

Appendix B - Section I. Blocked seasonal Kendall Long-term trends in water quality for the Virginia tributaries (1985-2007). Parameters are as follows: STN=Surface total nitrogen, BTN=Bottom total nitrogen, SDIN=Surface dissolved inorganic nitrogen, BDIN=Bottom dissolved inorganic nitrogen, STP=Surface total phosphorus, BTP=Bottom total phosphorus, SPO4F=Surface dissolved inorganic phosphorus, BPO4F=Bottom dissolved inorganic phosphorus.

Segment	Season	Parameter	'93		'93		'07		'07		Trend		Combined	Combined
			Trend	'93	Trend	'93	Trend	'07	Trend	'07	Comparison	P value	Trend	Trend
			P value	Slope	Direction	P value	Slope	Direction	P value	Comparison	P value	Direction	P value	Direction
APPTF	Annual	STN	0.0114	-0.024	No Trend	0.7440	0.001	No Trend	0.0962	Same	0.2650	No Trend		
APPTF	Annual	BTN	0.1008	-0.018	No Trend	0.3383	-0.004	No Trend	0.9314	Same	0.0884	No Trend		
APPTF	Annual	SDIN	0.2946	-0.005	No Trend	0.6393	-0.002	No Trend	0.8679	Same	0.3346	No Trend		
APPTF	Annual	BDIN	0.1003	-0.007	No Trend	0.3201	-0.004	No Trend	0.9867	Same	0.0858	No Trend		
APPTF	Annual	STP	0.7501	0.000	No Trend	0.1623	-0.001	No Trend	0.1690	Same	0.3121	No Trend		
APPTF	Annual	BTP	0.0346	0.003	No Trend	0.2651	-0.001	No Trend	0.0385	Same	0.8675	No Trend		
APPTF	Annual	SPO4F	0.0005	-0.001	Improving	0.0003	-0.001	Improving	0.1425	Same	0.0000	Improving		
APPTF	Annual	BPO4F	0.0001	-0.002	Improving	0.0001	-0.001	Improving	0.1409	Same	0.0000	Improving		
JMSTF2	Annual	STN	0.0001	-0.044	Improving	0.0001	0.017	Degrading	0.0000	Different	0.2048	--		
JMSTF2	Annual	BTN	0.0000	-0.110	Improving	0.0000	0.018	Degrading	0.0000	Different	1.0000	--		
JMSTF2	Annual	SDIN	0.0003	-0.020	Improving	0.1271	0.005	No Trend	0.0016	Different	0.6000	Improving 85		
JMSTF2	Annual	BDIN	0.0000	-0.055	Improving	0.1366	0.005	No Trend	0.0000	Different	0.1197	Improving 85		
JMSTF2	Annual	STP	0.0000	-0.013	Improving	0.7811	0.000	No Trend	0.0021	Different	0.0093	Improving 85		
JMSTF2	Annual	BTP	0.0000	-0.019	Improving	0.0867	0.001	No Trend	0.0000	Different	0.0770	Improving 85		
JMSTF2	Annual	SPO4F	0.0000	-0.011	Improving	0.0000	-0.002	Improving	0.1060	Same	0.0000	Improving		
JMSTF2	Annual	BPO4F	0.0000	-0.015	Improving	0.0000	-0.002	Improving	0.0571	Same	0.0000	Improving		
JMSTF1	Annual	STN	0.0808	-0.023	No Trend	0.0001	-0.018	Improving	0.0182	Same	0.0000	Improving		
JMSTF1	Annual	BTN	0.1387	-0.029	No Trend	0.0000	-0.028	Improving	0.0010	Different	0.0000	Improving 95		
JMSTF1	Annual	SDIN	0.0022	-0.026	Improving	0.9853	0.000	No Trend	0.1129	Same	0.1203	No Trend		
JMSTF1	Annual	BDIN	0.0003	-0.028	Improving	0.4734	0.003	No Trend	0.0134	Same	0.2161	No Trend		
JMSTF1	Annual	STP	0.1733	0.001	No Trend	0.0002	-0.003	Improving	0.0001	Different	0.0139	Improving 95		
JMSTF1	Annual	BTP	0.0008	0.005	Degrading	0.0000	-0.005	Improving	0.0000	Different	0.0287	--		
JMSTF1	Annual	SPO4F	0.0000	-0.003	Improving	0.7570	0.000	No Trend	0.0618	Same	0.0161	No Trend		
JMSTF1	Annual	BPO4F	0.0000	-0.002	Improving	0.4218	0.000	No Trend	0.1526	Same	0.0047	Improving		
CHKOH	Annual	STN	0.0290	-0.037	No Trend	0.0290	-0.007	No Trend	0.1827	Same	0.0052	Improving		
CHKOH	Annual	BTN	0.2880	-0.028	No Trend	0.0037	-0.012	Improving	0.0162	Same	0.0019	Improving		
CHKOH	Annual	SDIN	0.0576	0.000	No Trend	0.1291	0.001	No Trend	0.0432	Same	0.3776	No Trend		
CHKOH	Annual	BDIN	0.0381	-0.009	No Trend	0.7918	0.000	No Trend	0.3861	Same	0.7180	No Trend		
CHKOH	Annual	STP	0.0311	0.003	No Trend	0.0138	-0.001	No Trend	0.0025	Different	0.0957	No Trend*		
CHKOH	Annual	BTP	0.0315	0.005	No Trend	0.0082	-0.002	Improving	0.0014	Different	0.0677	Improving 95		
CHKOH	Annual	SPO4F	0.1546	0.000	No Trend	0.0154	0.000	No Trend	0.0396	Same	0.0073	Improving		
CHKOH	Annual	BPO4F	0.0335	0.000	No Trend	0.0155	0.000	No Trend	0.0646	Same	0.0042	Improving		
JMSOH	Annual	STN	0.0943	-0.012	No Trend	0.9247	0.000	No Trend	0.4269	Same	0.3388	No Trend		
JMSOH	Annual	BTN	0.1169	0.020	No Trend	0.2520	-0.007	No Trend	0.0713	Same	0.8698	No Trend		
JMSOH	Annual	SDIN	0.0001	-0.020	Improving	0.3545	0.003	No Trend	0.0053	Different	0.2300	Improving 85		
JMSOH	Annual	BDIN	0.0001	-0.020	Improving	0.8786	0.000	No Trend	0.0280	Same	0.0530	No Trend		
JMSOH	Annual	STP	0.0000	0.005	Degrading	0.7112	0.000	No Trend	0.0150	Same	0.0732	No Trend		
JMSOH	Annual	BTP	0.0000	0.012	Degrading	0.1001	-0.002	No Trend	0.0000	Different	0.1820	Degrading 85		
JMSOH	Annual	SPO4F	0.1452	0.000	No Trend	0.8981	0.000	No Trend	0.5428	Same	0.4050	No Trend		
JMSOH	Annual	BPO4F	0.4470	0.000	No Trend	0.4491	0.000	No Trend	0.7841	Same	0.2948	No Trend		

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Segment	Season	Parameter	'93		'93		'07		'07		Trend	Combined	Combined
			Trend	'93	Trend	Trend	'07	'07	Trend	Comparison	Trend	Trend	Trend
			P value	Slope	Direction	P value	Slope	Direction	P value	Comparison	P value	P value	Direction
JMSMH	Annual	STN	0.0808	0.013	No Trend	0.5125	0.002	No Trend	0.7802	Same	0.1532	No Trend	
JMSMH	Annual	BTN	0.0033	0.019	Degrading	0.8948	0.001	No Trend	0.2041	Same	0.1326	No Trend	
JMSMH	Annual	SDIN	0.5830	-0.002	No Trend	0.2116	0.003	No Trend	0.1692	Same	0.4209	No Trend	
JMSMH	Annual	BDIN	0.6912	0.000	No Trend	0.2821	0.002	No Trend	0.2488	Same	0.4556	No Trend	
JMSMH	Annual	STP	0.0000	0.004	Degrading	0.6851	0.000	No Trend	0.0071	Different	0.0468	Degrading	85
JMSMH	Annual	BTP	0.0000	0.003	Degrading	0.7097	0.000	No Trend	0.0108	Same	0.0568	No Trend	
JMSMH	Annual	SPO4F	0.0020	0.001	Degrading	0.1475	0.000	No Trend	0.8480	Same	0.0060	Degrading	
JMSMH	Annual	BPO4F	0.0009	0.001	Degrading	0.2408	0.000	No Trend	0.6032	Same	0.0093	Degrading	
JMSPH	Annual	STN	0.7406	0.001	No Trend	0.2863	0.002	No Trend	0.4627	Same	0.2706	No Trend	
JMSPH	Annual	BTN	0.2523	0.007	No Trend	0.0250	0.004	No Trend	0.1852	Same	0.0115	No Trend	
JMSPH	Annual	SDIN	0.5421	0.000	No Trend	0.0073	0.002	Degrading	0.0083	Different	0.0460	Degrading	95
JMSPH	Annual	BDIN	0.6873	0.000	No Trend	0.0345	0.002	No Trend	0.1056	Same	0.0404	No Trend	
JMSPH	Annual	STP	0.5062	0.000	No Trend	0.3420	0.000	No Trend	0.6437	Same	0.2412	No Trend	
JMSPH	Annual	BTP	0.4686	0.001	No Trend	0.2741	0.000	No Trend	0.1849	Same	0.5789	No Trend	
JMSPH	Annual	SPO4F	0.2896	0.000	No Trend	0.3171	0.000	No Trend	0.1585	Same	0.7449	No Trend	
JMSPH	Annual	BPO4F	0.6633	0.000	No Trend	0.9147	0.000	No Trend	0.7451	Same	0.8892	No Trend	
ELIPH	Annual	STN	0.2972	0.005	No Trend	0.0428	0.0058	No Trend	0.2154	Same	0.0219	No Trend	
ELIPH	Annual	BTN	0.3471	0.004	No Trend	0.0012	0.0075	Degrading	0.0186	Same	0.0010	Degrading	
ELIPH	Annual	SDIN	0.6402	0.002	No Trend	0.0091	0.0071	Degrading	0.0341	Same	0.0104	No Trend	
ELIPH	Annual	BDIN	0.8213	0.001	No Trend	0.0015	0.0069	Degrading	0.0058	Different	0.0029	Degrading	95
ELIPH	Annual	STP	0.8194	0.000	No Trend	0.9298	0.0000	No Trend	0.9629	Same	0.8402	No Trend	
ELIPH	Annual	BTP	0.0870	0.001	No Trend	0.2176	-0.0004	No Trend	0.0552	Same	0.8046	No Trend	
ELIPH	Annual	SPO4F	0.8150	0.000	No Trend	0.3401	0.0001	No Trend	0.4724	Same	0.3328	No Trend	
ELIPH	Annual	BPO4F	0.5472	0.000	No Trend	0.1847	0.0001	No Trend	0.3813	Same	0.1417	No Trend	
PMKTF	Annual	STN	0.9500	0.000	No Trend	0.0021	0.010	Degrading	0.0117	Same	0.0087	Degrading	
PMKTF	Annual	BTN	0.4911	-0.005	No Trend	0.3107	0.004	No Trend	0.2139	Same	0.6443	No Trend	
PMKTF	Annual	SDIN	0.7301	-0.003	No Trend	0.0002	0.010	Degrading	0.0007	Different	0.0027	Degrading	95
PMKTF	Annual	BDIN	0.8440	-0.002	No Trend	0.0822	0.005	No Trend	0.1072	Same	0.1689	No Trend	
PMKTF	Annual	STP	0.0005	0.003	Degrading	0.0168	0.001	No Trend	0.8919	Same	0.0001	Degrading	
PMKTF	Annual	BTP	0.0000	0.004	Degrading	0.4119	0.001	No Trend	0.0828	Same	0.0018	Degrading	
PMKTF	Annual	SPO4F	0.0042	0.000	High BDLs	0.0000	-0.001	Improving	0.0000	Different	0.0000	Improving	95
PMKTF	Annual	BPO4F	0.0041	0.000	High BDLs	0.0000	-0.001	Improving	0.0000	Different	0.0000	Improving	95
PMKOH	Annual	STN	0.0012	0.028	Degrading	0.5241	0.002	No Trend	0.2073	Same	0.0200	No Trend	
PMKOH	Annual	BTN	0.0005	0.050	Degrading	0.2927	0.009	No Trend	0.3253	Same	0.0057	Degrading	
PMKOH	Annual	SDIN	0.5354	-0.001	No Trend	0.6740	0.001	No Trend	0.4795	Same	1.0000	No Trend	
PMKOH	Annual	BDIN	0.8888	0.000	No Trend	0.6189	0.001	No Trend	0.7348	Same	0.6052	No Trend	
PMKOH	Annual	STP	0.0005	0.006	Degrading	0.1125	-0.001	No Trend	0.0011	Different	0.5515	Degrading	85
PMKOH	Annual	BTP	0.0003	0.018	Degrading	0.2810	0.002	No Trend	0.3064	Same	0.0043	Degrading	
PMKOH	Annual	SPO4F	0.0116	0.000	No Trend	0.3711	0.000	No Trend	0.0413	Same	0.6283	No Trend	
PMKOH	Annual	BPO4F	0.1884	0.000	No Trend	0.4951	0.000	No Trend	0.2153	Same	0.9718	No Trend	

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Segment	Season	Parameter	'93		'93		'07		'07		Trend Comparison	Trend	Combined	Combined
			Trend	P value	'93	Slope	Trend	P value	'07	Slope					Trend	Direction	Trend	Direction
MPNTF	Annual	STN	0.8507	0.001	No Trend	0.1677	0.006	No Trend	0.3047	Same	0.2041	No Trend		
MPNTF	Annual	BTN	0.0156	-0.013	No Trend	0.3317	0.002	No Trend	0.0310	Same	0.5928	No Trend		
MPNTF	Annual	SDIN	0.5936	0.002	No Trend	0.0002	0.008	Degrading	0.0045	Different	0.0006	Degrading	95	
MPNTF	Annual	BDIN	0.7114	0.001	No Trend	0.0012	0.007	Degrading	0.0106	Same	0.0029	Degrading		
MPNTF	Annual	STP	0.0002	0.002	Degrading	0.0680	-0.001	No Trend	0.0004	Different	0.6701	Degrading	85	
MPNTF	Annual	BTP	0.0211	0.001	No Trend	0.1258	-0.001	No Trend	0.0111	Same	0.9569	No Trend		
MPNTF	Annual	SPO4F	1.0000	0.000	No Trend	0.0000	-0.001	Improving	0.0000	Different	0.0000	Improving	95	
MPNTF	Annual	BPO4F	0.0287	0.000	No Trend	0.0000	-0.001	Improving	0.0000	Different	0.0000	Improving	95	
MPNOH	Annual	STN	0.0000	0.025	Degrading	0.1214	0.005	No Trend	0.2515	Same	0.0002	Degrading		
MPNOH	Annual	BTN	0.0211	0.022	No Trend	0.1793	-0.007	No Trend	0.0164	Same	0.8825	No Trend		
MPNOH	Annual	SDIN	0.3547	0.002	No Trend	0.0233	0.005	No Trend	0.1658	Same	0.0153	No Trend		
MPNOH	Annual	BDIN	0.3570	0.002	No Trend	0.0151	0.006	No Trend	0.1109	Same	0.0100	No Trend		
MPNOH	Annual	STP	0.0000	0.006	Degrading	0.9840	0.000	No Trend	0.0148	Same	0.0162	No Trend		
MPNOH	Annual	BTP	0.0012	0.006	Degrading	0.9836	0.000	No Trend	0.0866	Same	0.0804	No Trend		
MPNOH	Annual	SPO4F	0.0603	0.000	No Trend	0.1833	0.000	No Trend	0.0361	Same	0.8218	No Trend		
MPNOH	Annual	BPO4F	0.0943	0.000	No Trend	0.0481	0.000	No Trend	0.0105	Same	0.3740	No Trend		
YRKMH	Annual	STN	0.0122	0.020	No Trend	0.1639	0.003	No Trend	0.8905	Same	0.0120	No Trend		
YRKMH	Annual	BTN	0.0010	0.027	Degrading	0.2213	0.006	No Trend	0.5593	Same	0.0068	Degrading		
YRKMH	Annual	SDIN	0.3716	-0.002	No Trend	0.3907	0.001	No Trend	0.2235	Same	0.8077	No Trend		
YRKMH	Annual	BDIN	0.5417	-0.001	No Trend	0.4261	0.002	No Trend	0.3119	Same	0.7095	No Trend		
YRKMH	Annual	STP	0.0000	0.005	Degrading	0.3701	-0.001	No Trend	0.0001	Different	0.0169	Degrading	85	
YRKMH	Annual	BTP	0.0000	0.008	Degrading	0.1068	0.002	No Trend	0.3020	Same	0.0001	Degrading		
YRKMH	Annual	SPO4F	0.0000	0.001	Degrading	0.1659	0.000	No Trend	0.4042	Same	0.0011	Degrading		
YRKMH	Annual	BPO4F	0.0000	0.001	Degrading	0.0460	0.000	No Trend	0.8249	Same	0.0002	Degrading		
YRKPH	Annual	STN	0.0035	0.018	Degrading	0.0001	0.007	Degrading	0.0405	Same	0.0000	Degrading		
YRKPH	Annual	BTN	0.0000	0.033	Degrading	0.0671	0.005	No Trend	0.6933	Same	0.0003	Degrading		
YRKPH	Annual	SDIN	0.1261	-0.001	No Trend	0.1682	0.001	No Trend	0.0483	Same	0.6770	No Trend		
YRKPH	Annual	BDIN	0.5912	0.000	No Trend	0.6169	0.000	No Trend	0.8499	Same	0.4807	No Trend		
YRKPH	Annual	STP	0.0000	0.003	Degrading	0.7412	0.000	No Trend	0.0101	Same	0.0017	Degrading		
YRKPH	Annual	BTP	0.0000	0.004	Degrading	0.6424	0.000	No Trend	0.0007	Different	0.0095	Degrading	85	
YRKPH	Annual	SPO4F	0.0037	0.000	High BDLs	0.2171	0.000	No Trend	0.8383	Same	0.0157	No Trend		
YRKPH	Annual	BPO4F	0.0104	0.000	No Trend	0.6766	0.000	No Trend	0.4522	Same	0.1327	No Trend		
MOBPH	Annual	STN	0.4510	0.0098	No Trend	0.0000	-0.0033	Improving	0.0000	Different	0.0000	Improving	88	
MOBPH	Annual	BTN	0.6511	-0.0059	No Trend	0.0000	-0.0042	Improving	0.0000	Different	0.0000	Improving	88	
MOBPH	Annual	SDIN	0.8759	-0.0003	No Trend	0.8237	0.0000	No Trend	0.8084	Same	0.8398	No Trend		
MOBPH	Annual	BDIN	0.0973	-0.0082	No Trend	0.9529	0.0000	No Trend	0.9530	Same	0.8598	No Trend		
MOBPH	Annual	STP	0.0896	0.0026	No Trend	0.0000	-0.0003	Improving	0.0000	Different	0.0000	Improving	88	
MOBPH	Annual	BTP	0.4510	0.0011	No Trend	0.0019	-0.0002	Improving	0.0016	Different	0.0023	Improving	88	
MOBPH	Annual	SPO4F	0.0694	0.0000	High BDLs	0.4043	0.0000	High BDLs	0.7329	Same	0.2006	No Trend		
MOBPH	Annual	BPO4F	0.1595	0.0000	High BDLs	0.6035	0.0000	High BDLs	0.7538	Same	0.4735	No Trend		
RPPTF	Annual	STN	0.3813	-0.009	No Trend	0.8126	0.000	No Trend	0.5082	Same	0.8010	No Trend		
RPPTF	Annual	BTN	0.0187	-0.022	No Trend	0.4769	-0.004	No Trend	0.5786	Same	0.0729	No Trend		
RPPTF	Annual	SDIN	0.1096	0.011	No Trend	0.2664	0.003	No Trend	0.8763	Same	0.0760	No Trend		
RPPTF	Annual	BDIN	0.0489	0.010	No Trend	0.3418	0.003	No Trend	0.8878	Same	0.0714	No Trend		
RPPTF	Annual	STP	0.0808	0.001	No Trend	0.0373	-0.001	No Trend	0.0071	Different	0.3581	No Trend*		
RPPTF	Annual	BTP	0.3526	0.001	No Trend	0.0579	-0.001	No Trend	0.0338	Same	0.2469	No Trend		

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Segment	Season	Parameter	'93	'93	'07	'07	Trend Comparison	Trend Comparison	Trend Comparison	Trend Comparison	Trend Comparison	Trend Comparison
			Trend P value	Slope	Trend Direction	Trend P value						
RPPTF	Annual	SPO4F	0.6364	0.000	No Trend	0.0000	0.000	Improving	0.0001	Different	0.0003	Improving 95
RPPTF	Annual	BPO4F	0.7403	0.000	No Trend	0.0000	0.000	Improving	0.0002	Different	0.0001	Improving 95
RPPMH	Annual	STN	0.0235	0.010	No Trend	0.1487	0.004	No Trend	0.9149	Same	0.0165	No Trend
RPPMH	Annual	BTN	0.0009	0.015	Degrading	0.6344	0.001	No Trend	0.2013	Same	0.0358	No Trend
RPPMH	Annual	SDIN	0.0037	-0.005	Improving	0.0837	0.001	No Trend	0.0033	Different	0.9386	Improving 85
RPPMH	Annual	BDIN	0.2307	-0.001	No Trend	0.2449	0.001	No Trend	0.1052	Same	0.6911	No Trend
RPPMH	Annual	STP	0.0000	0.002	Degrading	0.8463	0.000	No Trend	0.0099	Different	0.0251	Degrading 85
RPPMH	Annual	BTP	0.0045	0.001	Degrading	0.1130	-0.001	No Trend	0.0051	Different	0.9634	Degrading 85
RPPMH	Annual	SPO4F	0.8505	0.000	No Trend	0.8719	0.000	No Trend	0.8227	Same	0.9313	No Trend
RPPMH	Annual	BPO4F	0.1538	0.000	No Trend	0.3273	0.000	No Trend	0.6353	Same	0.1648	No Trend
RPPOH	Annual	STN	0.2225	0.013	No Trend	0.0808	0.007	No Trend	0.4098	Same	0.0321	No Trend
RPPOH	Annual	BTN	0.0064	0.028	Degrading	0.0713	0.009	No Trend	0.9065	Same	0.0030	Degrading
RPPOH	Annual	SDIN	0.0211	-0.009	No Trend	0.7433	0.000	No Trend	0.1345	Same	0.3485	No Trend
RPPOH	Annual	BDIN	0.0046	-0.010	Improving	0.6835	0.000	No Trend	0.0709	Same	0.2697	No Trend
RPPOH	Annual	STP	0.0001	0.005	Degrading	0.8152	0.000	No Trend	0.0214	Same	0.0570	No Trend
RPPOH	Annual	BTP	0.0000	0.007	Degrading	0.5304	0.001	No Trend	0.0511	Same	0.0026	Degrading
RPPOH	Annual	SPO4F	0.4892	0.000	No Trend	0.0041	0.000	Improving	0.0142	Same	0.0031	Improving
RPPOH	Annual	BPO4F	0.1177	0.000	No Trend	0.0007	0.000	Improving	0.0095	Different	0.0002	Improving 95
CRRMH	Annual	STN	0.0776	0.012	No Trend	0.1034	0.004	No Trend	0.5754	Same	0.0217	No Trend
CRRMH	Annual	BTN	0.0109	0.020	No Trend	0.9839	0.000	No Trend	0.2341	Same	0.2486	No Trend
CRRMH	Annual	SDIN	0.0007	-0.005	Improving	0.0521	0.000	No Trend	0.7631	Same	0.0004	Improving
CRRMH	Annual	BDIN	0.0496	-0.002	No Trend	0.9820	0.000	No Trend	0.3229	Same	0.3427	No Trend
CRRMH	Annual	STP	0.0000	0.001	Degrading	0.6124	0.000	No Trend	0.0411	Same	0.0038	Degrading
CRRMH	Annual	BTP	0.0000	0.002	Degrading	0.0384	-0.001	No Trend	0.0001	Different	0.6350	Degrading 85
CRRMH	Annual	SPO4F	0.6865	0.000	No Trend	0.8656	0.000	No Trend	0.7621	Same	0.9839	No Trend
CRRMH	Annual	BPO4F	0.2846	0.000	No Trend	0.6499	0.000	No Trend	0.9691	Same	0.4159	No Trend
PIAMH	Annual	STN	0.2913	-0.0258	No Trend	0.0005	-0.0038	Improving	0.0007	Different	0.0004	Improving 88
PIAMH	Annual	BTN	0.4510	0.0193	No Trend	0.0073	-0.0027	Improving	0.0062	Different	0.0088	Improving 88
PIAMH	Annual	SDIN	0.8336	0.0000	High BDLs	0.0000	-0.0005	High BDLs	0.0000	Different	0.0000	No Trend*
PIAMH	Annual	BDIN	0.4772	0.0000	High BDLs	0.0351	0.0000	High BDLs	0.0312	Same	0.0401	No Trend
PIAMH	Annual	STP	0.0896	0.0024	No Trend	0.0029	-0.0002	Improving	0.0020	Different	0.0043	Improving 88
PIAMH	Annual	BTP	0.0328	0.0043	No Trend	0.0057	-0.0002	Improving	0.0036	Different	0.0090	Improving 88
PIAMH	Annual	SPO4F	0.1722	0.0010	High BDLs	0.3266	0.0000	High BDLs	0.1491	Same	0.6863	No Trend
PIAMH	Annual	BPO4F	0.1190	0.0008	High BDLs	0.5860	0.0000	High BDLs	0.8255	Same	0.3950	No Trend
POCMH	Annual	STN	0.6367	0.0203	No Trend	0.0003	-0.0063	Improving	0.0003	Different	0.0004	Improving 88
POCMH	Annual	BTN	0.0833	0.0224	No Trend	0.0012	-0.0050	Improving	0.0008	Different	0.0019	Improving 88
POCMH	Annual	SDIN	0.4311	0.0133	No Trend	0.0000	-0.0013	Improving	0.0000	Different	0.0000	Improving 88
POCMH	Annual	BDIN	0.4311	0.0028	No Trend	0.0001	-0.0013	Improving	0.0000	Different	0.0001	Improving 88
POCMH	Annual	STP	0.3387	0.0023	No Trend	0.0000	-0.0006	Improving	0.0000	Different	0.0000	Improving 88
POCMH	Annual	BTP	0.1063	0.0033	No Trend	0.0000	-0.0007	Improving	0.0000	Different	0.0000	Improving 88
POCMH	Annual	SPO4F	0.8216	0.0000	High BDLs	0.1064	0.0000	High BDLs	0.1212	Same	0.0976	No Trend
POCMH	Annual	BPO4F	1.0000	0.0000	High BDLs	0.6273	0.0000	High BDLs	0.6304	Same	0.6304	No Trend

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93		'07		'07		Trend		Combined	Combined
			Trend	'93	Trend	Trend	'07	Trend	Comparison	Trend	Comparison	P value	Trend	Trend
CB5MH	Annual	STN	0.8802	0.0076	No Trend	0.0001	-0.0041	Improving	0.0001	Different	0.0002	Improving	88	
CB5MH	Annual	BTN	1.0000	0.0099	No Trend	0.0007	-0.0040	Improving	0.0007	Different	0.0007	Improving	88	
CB5MH	Annual	SDIN	1.0000	0.0002	No Trend	0.0475	-0.0007	No Trend	0.0469	Same	0.0490	No Trend		
CB5MH	Annual	BDIN	0.8802	-0.0041	No Trend	0.0471	-0.0015	No Trend	0.0496	Same	0.0454	No Trend		
CB5MH	Annual	STP	0.1748	0.0027	No Trend	0.0054	0.0001	Degrading	0.0073	Different	0.0041	Degrading	88	
CB5MH	Annual	BTP	0.4510	0.0020	No Trend	0.0027	0.0002	Degrading	0.0033	Different	0.0023	Degrading	88	
CB5MH	Annual	SPO4F	1.0000	0.0000	High BDLs	0.1466	0.0000	High BDLs	0.1375	Same	0.1657	No Trend		
CB5MH	Annual	BPO4F	0.6810	0.0000	High BDLs	0.0285	0.0000	High BDLs	0.0258	Same	0.0324	No Trend		
CB6PH	Annual	STN	0.2913	0.0110	No Trend	0.0000	-0.0038	Improving	0.0000	Different	0.0000	Improving	88	
CB6PH	Annual	BTN	0.6511	0.0114	No Trend	0.0000	-0.0049	Improving	0.0000	Different	0.0000	Improving	88	
CB6PH	Annual	SDIN	1.0000	0.0005	No Trend	0.2573	0.0000	No Trend	0.2623	Same	0.2542	No Trend		
CB6PH	Annual	BDIN	0.0973	-0.0066	No Trend	0.5039	-0.0002	No Trend	0.5805	Same	0.4346	No Trend		
CB6PH	Annual	STP	1.0000	-0.0003	No Trend	0.0000	-0.0002	Improving	0.0000	Different	0.0000	Improving	88	
CB6PH	Annual	BTP	0.7604	-0.0007	No Trend	0.0793	-0.0002	No Trend	0.0849	Same	0.0751	No Trend		
CB6PH	Annual	SPO4F	0.1752	0.0000	High BDLs	0.7126	0.0000	High BDLs	0.8757	Same	0.5662	No Trend		
CB6PH	Annual	BPO4F	0.0330	0.0005	High BDLs	0.9881	0.0000	High BDLs	0.8581	Same	0.8348	No Trend		
CB7PH	Annual	STN	1.0000	0.0000	No Trend	0.0002	-0.0037	Improving	0.0002	Different	0.0002	Improving	88	
CB7PH	Annual	BTN	1.0000	-0.0065	No Trend	0.0000	-0.0044	Improving	0.0000	Different	0.0000	Improving	88	
CB7PH	Annual	SDIN	0.0896	-0.0050	No Trend	0.1935	0.0000	No Trend	0.1558	Same	0.2396	No Trend		
CB7PH	Annual	BDIN	0.4510	-0.0043	No Trend	0.5461	0.0000	No Trend	0.5857	Same	0.5094	No Trend		
CB7PH	Annual	STP	0.1273	-0.0016	No Trend	0.0000	-0.0003	Improving	0.0000	Different	0.0000	Improving	88	
CB7PH	Annual	BTP	0.4510	0.0010	No Trend	0.0003	-0.0003	Improving	0.0002	Different	0.0004	Improving	88	
CB7PH	Annual	SPO4F	0.3268	0.0000	High BDLs	0.5682	0.0000	High BDLs	0.4157	Same	0.7643	No Trend		
CB7PH	Annual	BPO4F	0.1722	0.0005	High BDLs	0.0128	0.0000	High BDLs	0.0089	Different	0.0190	No Trend*		
CB8PH	Annual	STN	0.6511	0.0210	No Trend	0.0186	0.0017	No Trend	0.0209	Same	0.0169	No Trend		
CB8PH	Annual	BTN	0.8802	-0.0008	No Trend	0.4119	0.0007	No Trend	0.4019	Same	0.4241	No Trend		
CB8PH	Annual	SDIN	0.0275	-0.0042	No Trend	0.0023	0.0003	Degrading	0.0014	Different	0.0038	Degrading	88	
CB8PH	Annual	BDIN	0.0104	-0.0098	Improving	0.0026	0.0005	Degrading	0.0015	Different	0.0048	I85 -D88		
CB8PH	Annual	STP	0.0005	-0.0090	Improving	0.0000	-0.0005	Improving	0.0000	Different	0.0000	Improving		
CB8PH	Annual	BTP	0.0015	-0.0109	Improving	0.0000	-0.0006	Improving	0.0000	Different	0.0000	Improving		
CB8PH	Annual	SPO4F	0.0311	-0.0002	High BDLs	0.0000	0.0000	High BDLs	0.0000	Different	0.0000	No Trend*		
CB8PH	Annual	BPO4F	0.0150	-0.0030	Improving	0.0000	0.0000	High BDLs	0.0000	Different	0.0000	Improving	85	
APPTF	Fall	STN	0.3346	-0.018	No Trend	0.9626	0.001	No Trend	0.5053	Same	0.5537	No Trend		
APPTF	Fall	BTN	0.8567	-0.004	No Trend	0.8147	-0.007	No Trend	0.9705	Same	0.7392	No Trend		
APPTF	Fall	SDIN	0.7157	-0.005	No Trend	0.6507	-0.005	No Trend	0.8916	Same	0.5397	No Trend		
APPTF	Fall	BDIN	0.7175	-0.003	No Trend	0.3874	-0.007	No Trend	0.6341	Same	0.3412	No Trend		
APPTF	Fall	STP	0.6295	0.002	No Trend	0.6727	0.000	No Trend	0.5050	Same	1.0000	No Trend		
APPTF	Fall	BTP	0.2270	0.005	No Trend	0.7428	-0.001	No Trend	0.2997	Same	0.6041	No Trend		
APPTF	Fall	SPO4F	0.0795	-0.002	No Trend	0.0286	-0.001	No Trend	0.4080	Same	0.0047	Improving		
APPTF	Fall	BPO4F	0.1308	-0.001	No Trend	0.0184	-0.001	No Trend	0.2686	Same	0.0046	Improving		
JMSTF2	Fall	STN	0.2062	-0.029	No Trend	0.0020	0.025	Degrading	0.0010	Different	0.0718	Degrading	95	
JMSTF2	Fall	BTN	0.0055	-0.103	Improving	0.0011	0.027	Degrading	0.0000	Different	0.2767	--		
JMSTF2	Fall	SDIN	0.1655	-0.012	No Trend	0.1627	0.011	No Trend	0.0510	Same	0.6775	No Trend		
JMSTF2	Fall	BDIN	0.0032	-0.056	Improving	0.1866	0.010	No Trend	0.0066	Different	0.6315	Improving	85	
JMSTF2	Fall	STP	0.0606	-0.013	No Trend	0.9349	0.000	No Trend	0.2495	Same	0.3096	No Trend		
JMSTF2	Fall	BTP	0.0159	-0.020	No Trend	0.1412	0.001	No Trend	0.0092	Different	0.8657	No Trend*		
JMSTF2	Fall	SPO4F	0.0772	-0.012	No Trend	0.0024	-0.002	Improving	0.1073	Same	0.0004	Improving		
JMSTF2	Fall	BPO4F	0.0694	-0.015	No Trend	0.0008	-0.002	Improving	0.0632	Same	0.0001	Improving		

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93		'07		'07		Trend		Combined	Combined
			Trend	'93	Trend	Trend	'07	'07	Trend	Comparison	Trend	Comparison	Trend	Trend
			P value	Slope	Direction	P value	Slope	Direction	P value	Comparison	P value	Direction	P value	Direction
JMSTF1	Fall	STN	0.7634	-0.022	No Trend	0.0480	-0.025	No Trend	0.1534	Same	0.0664	No Trend		
JMSTF1	Fall	BTN	0.9040	0.017	No Trend	0.1028	-0.021	No Trend	0.1516	Same	0.2210	No Trend		
JMSTF1	Fall	SDIN	0.3666	-0.027	No Trend	0.4944	-0.005	No Trend	0.9488	Same	0.2750	No Trend		
JMSTF1	Fall	BDIN	0.2062	-0.032	No Trend	0.7831	0.002	No Trend	0.3396	Same	0.6214	No Trend		
JMSTF1	Fall	STP	0.7155	0.001	No Trend	0.1329	-0.002	No Trend	0.1374	Same	0.3111	No Trend		
JMSTF1	Fall	BTP	0.0454	0.005	No Trend	0.8656	-0.001	No Trend	0.1873	Same	0.2979	No Trend		
JMSTF1	Fall	SPO4F	0.0084	-0.002	Improving	0.9091	0.000	No Trend	0.1933	Same	0.1346	No Trend		
JMSTF1	Fall	BPO4F	0.0039	-0.002	Improving	0.9368	0.000	No Trend	0.1317	Same	0.1007	No Trend		
CHKOH	Fall	STN	0.9131	0.010	No Trend	0.0796	-0.016	No Trend	0.0884	Same	0.1241	No Trend		
CHKOH	Fall	BTN	0.8283	0.006	No Trend	0.0385	-0.023	No Trend	0.0417	Same	0.0739	No Trend		
CHKOH	Fall	SDIN	0.1969	-0.013	No Trend	0.3438	-0.007	No Trend	0.6692	Same	0.1741	No Trend		
CHKOH	Fall	BDIN	0.0594	-0.020	No Trend	0.3031	-0.007	No Trend	0.7869	Same	0.0968	No Trend		
CHKOH	Fall	STP	0.2665	0.003	No Trend	0.0744	-0.002	No Trend	0.0348	Same	0.2300	No Trend		
CHKOH	Fall	BTP	0.2245	0.004	No Trend	0.1535	-0.002	No Trend	0.0688	Same	0.4082	No Trend		
CHKOH	Fall	SPO4F	0.4990	0.000	No Trend	0.4551	0.000	No Trend	0.6003	Same	0.3540	No Trend		
CHKOH	Fall	BPO4F	0.2801	0.000	No Trend	0.7403	0.000	No Trend	1.0000	Same	0.5221	No Trend		
JMSOH	Fall	STN	0.1041	-0.021	No Trend	0.3623	0.006	No Trend	0.0950	Same	0.8978	No Trend		
JMSOH	Fall	BTN	0.9520	-0.001	No Trend	0.9369	-0.001	No Trend	1.0000	Same	0.8947	No Trend		
JMSOH	Fall	SDIN	0.0620	-0.036	No Trend	0.3598	0.006	No Trend	0.0779	Same	0.8553	No Trend		
JMSOH	Fall	BDIN	0.0159	-0.030	No Trend	0.4652	0.005	No Trend	0.0567	Same	0.5119	No Trend		
JMSOH	Fall	STP	0.3607	0.003	No Trend	0.2131	0.001	No Trend	0.5855	Same	0.1160	No Trend		
JMSOH	Fall	BTP	0.0620	0.009	No Trend	0.4549	-0.001	No Trend	0.0931	Same	0.6686	No Trend		
JMSOH	Fall	SPO4F	0.5997	0.000	No Trend	0.3050	0.000	No Trend	0.5335	Same	0.2368	No Trend		
JMSOH	Fall	BPO4F	0.4414	0.000	No Trend	0.0920	0.001	No Trend	0.2939	Same	0.0606	No Trend		
JMSMH	Fall	STN	0.9431	0.005	No Trend	0.0684	0.008	No Trend	0.1231	Same	0.0937	No Trend		
JMSMH	Fall	BTN	0.5727	-0.007	No Trend	0.1783	0.007	No Trend	0.1356	Same	0.3556	No Trend		
JMSMH	Fall	SDIN	0.1521	-0.028	No Trend	0.0572	0.009	No Trend	0.0178	Same	0.2969	No Trend		
JMSMH	Fall	BDIN	0.1958	-0.024	No Trend	0.1866	0.009	No Trend	0.0754	Same	0.5382	No Trend		
JMSMH	Fall	STP	0.6041	0.000	No Trend	0.9099	0.000	No Trend	0.8449	Same	0.6956	No Trend		
JMSMH	Fall	BTP	0.6500	0.000	No Trend	0.5549	0.000	No Trend	0.4390	Same	0.8138	No Trend		
JMSMH	Fall	SPO4F	0.0757	0.002	No Trend	0.0288	0.001	No Trend	0.2906	Same	0.0051	Degrading		
JMSMH	Fall	BPO4F	0.0383	0.002	No Trend	0.1431	0.001	No Trend	0.7710	Same	0.0216	No Trend		
JMSPH	Fall	STN	0.5880	-0.004	No Trend	0.0409	0.009	No Trend	0.0394	Same	0.1510	No Trend		
JMSPH	Fall	BTN	0.5873	0.005	No Trend	0.2144	0.002	No Trend	0.4535	Same	0.1693	No Trend		
JMSPH	Fall	SDIN	0.4693	-0.007	No Trend	0.0285	0.007	No Trend	0.0226	Same	0.1421	No Trend		
JMSPH	Fall	BDIN	0.5465	-0.004	No Trend	0.0130	0.005	No Trend	0.0136	Same	0.0750	No Trend		
JMSPH	Fall	STP	0.5063	0.001	No Trend	0.9709	0.000	No Trend	0.7309	Same	0.6844	No Trend		
JMSPH	Fall	BTP	0.8562	0.000	No Trend	0.3424	0.000	No Trend	0.3485	Same	0.4918	No Trend		
JMSPH	Fall	SPO4F	0.4677	-0.001	No Trend	0.1541	0.000	No Trend	0.1038	Same	0.4160	No Trend		
JMSPH	Fall	BPO4F	0.8084	0.000	No Trend	0.1436	0.000	No Trend	0.1588	Same	0.2731	No Trend		

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93		'07		'07		Trend		Combined		Combined	
			Trend	'93	Trend	Trend	'07	'07	Trend	Comparison	P value	Comparison	Trend	Trend	P value	Trend
			P value	Slope	Direction	P value	Slope	Direction	P value	Comparison	P value	Comparison	P value	Direction	P value	Direction
ELIPH	Fall	STN	0.4860	-0.014	No Trend	0.1251	0.0073	No Trend	0.0876	Same	0.3426	No Trend				
ELIPH	Fall	BTN	0.3402	0.007	No Trend	0.0675	0.0136	No Trend	0.2812	Same	0.0364	No Trend				
ELIPH	Fall	SDIN	0.6501	-0.006	No Trend	0.1807	0.0109	No Trend	0.1508	Same	0.3223	No Trend				
ELIPH	Fall	BDIN	0.8798	-0.003	No Trend	0.0074	0.0127	Degrading	0.0117	Same	0.0198	No Trend				
ELIPH	Fall	STP	0.8984	0.000	No Trend	0.6217	-0.0002	No Trend	0.7343	Same	0.5999	No Trend				
ELIPH	Fall	BTP	0.0723	0.002	No Trend	0.2597	-0.0005	No Trend	0.0596	Same	0.9262	No Trend				
ELIPH	Fall	SPO4F	0.0600	0.002	No Trend	0.6725	0.0005	No Trend	0.5959	Same	0.2009	No Trend				
ELIPH	Fall	BPO4F	0.0245	0.001	No Trend	0.2048	0.0006	No Trend	0.9501	Same	0.0285	No Trend				
PMKTF	Fall	STN	0.7515	-0.005	No Trend	0.5552	0.004	No Trend	0.4829	Same	0.7636	No Trend				
PMKTF	Fall	BTN	0.2884	-0.010	No Trend	0.5714	0.004	No Trend	0.3020	Same	0.9734	No Trend				
PMKTF	Fall	SDIN	0.1436	-0.010	No Trend	0.6613	0.002	No Trend	0.2543	Same	0.7040	No Trend				
PMKTF	Fall	BDIN	0.3981	-0.008	No Trend	0.6875	-0.001	No Trend	0.9483	Same	0.4361	No Trend				
PMKTF	Fall	STP	0.0179	0.004	No Trend	0.2536	0.001	No Trend	0.7870	Same	0.0258	No Trend				
PMKTF	Fall	BTP	0.0156	0.003	No Trend	0.3061	0.002	No Trend	0.7815	Same	0.0375	No Trend				
PMKTF	Fall	SPO4F	0.3651	0.000	No Trend	0.0002	-0.001	Improving	0.0053	Different	0.0002	Improving 95				
PMKTF	Fall	BPO4F	0.0299	-0.001	No Trend	0.0005	-0.001	Improving	0.0286	Same	0.0000	Improving				
PMKOH	Fall	STN	0.0973	0.035	No Trend	0.2020	0.011	No Trend	0.8612	Same	0.0462	No Trend				
PMKOH	Fall	BTN	0.0112	0.052	No Trend	0.1357	0.023	No Trend	0.9419	Same	0.0087	Degrading				
PMKOH	Fall	SDIN	0.0833	-0.007	No Trend	0.6801	0.003	No Trend	0.1946	Same	0.5512	No Trend				
PMKOH	Fall	BDIN	0.3957	-0.006	No Trend	0.3420	0.004	No Trend	0.2011	Same	0.7039	No Trend				
PMKOH	Fall	STP	0.0137	0.010	No Trend	0.4397	-0.001	No Trend	0.0433	Same	0.4705	No Trend				
PMKOH	Fall	BTP	0.0192	0.020	No Trend	0.0358	0.007	No Trend	0.5450	Same	0.0025	Degrading				
PMKOH	Fall	SPO4F	0.8326	0.000	No Trend	0.4967	0.000	No Trend	0.6512	Same	0.4652	No Trend				
PMKOH	Fall	BPO4F	0.8137	0.000	No Trend	0.2644	0.000	No Trend	0.3936	Same	0.2553	No Trend				
MPNTF	Fall	STN	1.0000	0.000	No Trend	0.6135	0.004	No Trend	0.6427	Same	0.6909	No Trend				
MPNTF	Fall	BTN	0.0396	-0.021	No Trend	0.4485	0.003	No Trend	0.0884	Same	0.7021	No Trend				
MPNTF	Fall	SDIN	1.0000	0.000	No Trend	0.4145	0.003	No Trend	0.4860	Same	0.4860	No Trend				
MPNTF	Fall	BDIN	0.8314	-0.001	No Trend	0.6691	0.002	No Trend	0.6092	Same	0.8114	No Trend				
MPNTF	Fall	STP	0.1148	0.002	No Trend	0.5155	-0.001	No Trend	0.1564	Same	0.7557	No Trend				
MPNTF	Fall	BTP	0.3970	0.000	No Trend	0.7975	0.000	No Trend	0.5009	Same	0.8225	No Trend				
MPNTF	Fall	SPO4F	0.5571	0.000	No Trend	0.0054	-0.001	Improving	0.0321	Same	0.0057	Improving				
MPNTF	Fall	BPO4F	0.1474	0.000	No Trend	0.0020	-0.001	Improving	0.0351	Same	0.0006	Improving				
MPNOH	Fall	STN	0.0131	0.029	No Trend	0.7266	0.002	No Trend	0.3040	Same	0.1042	No Trend				
MPNOH	Fall	BTN	0.0060	0.035	Degrading	0.3805	-0.013	No Trend	0.0283	Same	0.4932	No Trend				
MPNOH	Fall	SDIN	0.4411	-0.004	No Trend	0.5926	0.002	No Trend	0.3677	Same	1.0000	No Trend				
MPNOH	Fall	BDIN	0.7364	-0.005	No Trend	0.3851	0.004	No Trend	0.3395	Same	0.5756	No Trend				
MPNOH	Fall	STP	0.0272	0.006	No Trend	0.5552	0.001	No Trend	0.5010	Same	0.0925	No Trend				
MPNOH	Fall	BTP	0.0909	0.005	No Trend	0.4549	0.002	No Trend	0.8119	Same	0.1260	No Trend				
MPNOH	Fall	SPO4F	1.0000	0.000	No Trend	0.9698	0.000	No Trend	1.0000	Same	0.9469	No Trend				
MPNOH	Fall	BPO4F	0.6501	0.000	No Trend	0.7049	0.000	No Trend	0.5649	Same	0.9191	No Trend				

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93 Trend	'93 Slope	'93 Trend	'07 Trend	'07 Slope	'07 Trend	Trend Comparison	Trend Comparison	Combined Trend	Combined Trend
			P value		Direction	P value		Direction	P value		P value	Direction
YRKM	Fall	STN	0.2265	0.022	No Trend	0.4088	0.002	No Trend	0.8890	Same	0.1849	No Trend
YRKM	Fall	BTN	0.0753	0.026	No Trend	0.0908	0.012	No Trend	0.4793	Same	0.0196	No Trend
YRKM	Fall	SDIN	0.4043	-0.008	No Trend	0.1109	0.005	No Trend	0.0668	Same	0.3086	No Trend
YRKM	Fall	BDIN	0.5178	-0.005	No Trend	0.0484	0.006	No Trend	0.0361	Same	0.1395	No Trend
YRKM	Fall	STP	0.0000	0.006	Degrading	0.7506	0.000	No Trend	0.0068	Different	0.0304	Degrading 85
YRKM	Fall	BTP	0.0000	0.009	Degrading	0.3033	0.002	No Trend	0.2062	Same	0.0024	Degrading
YRKM	Fall	SPO4F	0.0227	0.002	No Trend	0.0367	0.001	No Trend	0.5330	Same	0.0028	Degrading
YRKM	Fall	BPO4F	0.0070	0.003	Degrading	0.1962	0.001	No Trend	0.8416	Same	0.0137	No Trend
YRKP	Fall	STN	0.0187	0.022	No Trend	0.0003	0.010	Degrading	0.0262	Same	0.0000	Degrading
YRKP	Fall	BTN	0.0125	0.020	No Trend	0.0164	0.007	No Trend	0.3053	Same	0.0010	Degrading
YRKP	Fall	SDIN	0.0744	-0.011	No Trend	0.0409	0.008	No Trend	0.0085	Different	0.2719	No Trend*
YRKP	Fall	BDIN	0.5727	-0.005	No Trend	0.0993	0.004	No Trend	0.0772	Same	0.2173	No Trend
YRKP	Fall	STP	0.0023	0.005	Degrading	0.1492	0.001	No Trend	0.7201	Same	0.0046	Degrading
YRKP	Fall	BTP	0.0023	0.004	Degrading	0.8266	0.000	No Trend	0.0948	Same	0.1987	No Trend
YRKP	Fall	SPO4F	0.3764	0.001	No Trend	0.0926	0.001	No Trend	0.3027	Same	0.0533	No Trend
YRKP	Fall	BPO4F	0.1051	0.001	No Trend	0.3408	0.000	No Trend	0.9216	Same	0.1080	No Trend
MOBP	Fall	STN	1.0000	0.0050	No Trend	0.1502	-0.0021	No Trend	0.1456	Same	0.1565	No Trend
MOBP	Fall	BTN	0.0159	-0.0410	Improving	0.0575	-0.0025	No Trend	0.0849	Same	0.0387	No Trend
MOBP	Fall	SDIN	1.0000	0.0000	No Trend	0.8573	0.0000	No Trend	0.8420	Same	0.8733	No Trend
MOBP	Fall	BDIN	0.0704	-0.0130	No Trend	0.7985	0.0000	No Trend	0.9064	Same	0.6951	No Trend
MOBP	Fall	STP	0.5050	0.0018	No Trend	0.0004	-0.0005	Improving	0.0003	Different	0.0005	Improving 88
MOBP	Fall	BTP	1.0000	-0.0003	No Trend	0.0173	-0.0004	No Trend	0.0185	Same	0.0167	No Trend
MOBP	Fall	SPO4F	0.1939	0.0000	High BDLs	0.6646	0.0000	High BDLs	0.4441	Same	0.9322	No Trend
MOBP	Fall	BPO4F	0.1939	0.0000	High BDLs	0.3281	0.0000	High BDLs	0.4260	Same	0.2502	No Trend
RPPTF	Fall	STN	0.0913	-0.030	No Trend	0.1411	0.012	No Trend	0.0296	Same	0.7491	No Trend
RPPTF	Fall	BTN	0.0536	-0.034	No Trend	0.1218	0.015	No Trend	0.0179	Same	0.7980	No Trend
RPPTF	Fall	SDIN	0.6718	-0.006	No Trend	0.2144	0.014	No Trend	0.1891	Same	0.4163	No Trend
RPPTF	Fall	BDIN	0.6289	-0.010	No Trend	0.1887	0.013	No Trend	0.1596	Same	0.3988	No Trend
RPPTF	Fall	STP	0.0813	0.003	No Trend	0.8198	0.000	No Trend	0.2566	Same	0.4560	No Trend
RPPTF	Fall	BTP	1.0000	0.000	No Trend	0.3823	0.001	No Trend	0.4780	Same	0.4389	No Trend
RPPTF	Fall	SPO4F	0.7362	0.000	No Trend	0.6869	0.000	No Trend	0.5909	Same	0.8402	No Trend
RPPTF	Fall	BPO4F	0.7362	0.000	No Trend	0.7415	0.000	No Trend	0.6380	Same	0.8931	No Trend
RPPMH	Fall	STN	0.4671	-0.005	No Trend	0.0201	0.008	No Trend	0.0161	Same	0.1065	No Trend
RPPMH	Fall	BTN	0.9516	0.000	No Trend	0.1052	0.005	No Trend	0.1801	Same	0.1436	No Trend
RPPMH	Fall	SDIN	0.0169	-0.012	No Trend	0.0842	0.003	No Trend	0.0066	Different	0.7834	No Trend*
RPPMH	Fall	BDIN	0.1379	-0.008	No Trend	0.0445	0.003	No Trend	0.0120	Same	0.3272	No Trend
RPPMH	Fall	STP	0.0074	0.002	Degrading	0.6468	0.000	No Trend	0.3417	Same	0.0804	No Trend
RPPMH	Fall	BTP	0.1379	0.001	No Trend	0.6725	0.000	No Trend	0.2575	Same	0.6907	No Trend
RPPMH	Fall	SPO4F	0.7642	0.000	No Trend	0.6138	0.000	No Trend	0.5416	Same	0.7345	No Trend
RPPMH	Fall	BPO4F	0.2016	0.000	No Trend	0.7481	0.000	No Trend	0.3971	Same	0.7944	No Trend
RPPOH	Fall	STN	0.9040	0.005	No Trend	0.4734	0.009	No Trend	0.6088	Same	0.4816	No Trend
RPPOH	Fall	BTN	0.1324	0.024	No Trend	0.2882	0.013	No Trend	0.9737	Same	0.0810	No Trend
RPPOH	Fall	SDIN	0.3346	-0.015	No Trend	0.8264	0.001	No Trend	0.4721	Same	0.7309	No Trend
RPPOH	Fall	BDIN	0.3062	-0.015	No Trend	0.9395	0.001	No Trend	0.5208	Same	0.6074	No Trend
RPPOH	Fall	STP	0.0212	0.006	No Trend	0.9394	0.000	No Trend	0.2334	Same	0.1867	No Trend
RPPOH	Fall	BTP	0.0338	0.007	No Trend	0.2525	0.002	No Trend	0.7863	Same	0.0301	No Trend
RPPOH	Fall	SPO4F	0.5367	0.000	No Trend	0.5301	0.000	No Trend	0.7281	Same	0.4041	No Trend
RPPOH	Fall	BPO4F	0.2874	0.000	No Trend	0.3586	0.000	No Trend	0.7289	Same	0.1879	No Trend

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93		'07		'07		Trend Comparison	Trend	Combined	Combined
			Trend	P value	'93	Slope	Trend	P value	'07	Slope				
CRRMH	Fall	STN	0.8666	0.000	No Trend	0.8899	-0.001	No Trend	0.8083	Same	1.0000	No Trend		
CRRMH	Fall	BTN	0.6552	0.014	No Trend	0.6556	0.001	No Trend	0.8732	Same	0.5232	No Trend		
CRRMH	Fall	SDIN	0.1962	-0.005	No Trend	0.1196	0.000	No Trend	0.5982	Same	0.0394	No Trend		
CRRMH	Fall	BDIN	0.1703	-0.005	No Trend	0.4220	0.001	No Trend	0.1662	Same	0.9665	No Trend		
CRRMH	Fall	STP	0.0042	0.001	Degrading	0.1114	0.000	No Trend	0.0026	Different	0.6675	Degrading	85	
CRRMH	Fall	BTP	0.0075	0.002	Degrading	0.1622	-0.001	No Trend	0.0082	Different	0.7823	Degrading	85	
CRRMH	Fall	SPO4F	0.7473	0.000	No Trend	0.2118	0.000	No Trend	0.3286	Same	0.1880	No Trend		
CRRMH	Fall	BPO4F	1.0000	0.000	No Trend	0.2556	0.000	No Trend	0.3050	Same	0.2664	No Trend		
PIAMH	Fall	STN	0.5465	-0.0430	No Trend	0.0798	-0.0040	No Trend	0.0918	Same	0.0704	No Trend		
PIAMH	Fall	BTN	1.0000	-0.0170	No Trend	0.1036	-0.0031	No Trend	0.1089	Same	0.1001	No Trend		
PIAMH	Fall	SDIN	0.4268	0.0000	High BDLs	0.0019	-0.0009	High BDLs	0.0024	Different	0.0016	No Trend*		
PIAMH	Fall	BDIN	1.0000	0.0000	High BDLs									
PIAMH	Fall	STP	0.1138	0.0020	No Trend	0.0319	-0.0002	No Trend	0.0235	Same	0.0436	No Trend		
PIAMH	Fall	BTP	0.3428	0.0040	No Trend	0.0456	-0.0003	No Trend	0.0378	Same	0.0558	No Trend		
PIAMH	Fall	SPO4F	0.1120	-0.0030	High BDLs		0.0000	High BDLs	0.0469	Same	0.0469	No Trend		
PIAMH	Fall	BPO4F	0.1120	-0.0030	High BDLs	0.0995	0.0000	High BDLs	0.2356	Same	0.0420	No Trend		
POCMH	Fall	STN	1.0000	-0.0010	No Trend	0.1146	-0.0050	No Trend	0.1206	Same	0.1106	No Trend		
POCMH	Fall	BTN	0.2278	0.0475	No Trend	0.0554	-0.0063	No Trend	0.0440	Same	0.0705	No Trend		
POCMH	Fall	SDIN	0.5465	0.0175	No Trend	0.0031	-0.0018	Improving	0.0026	Different	0.0038	Improving	88	
POCMH	Fall	BDIN	0.5465	0.0235	No Trend	0.0441	-0.0014	No Trend	0.0384	Same	0.0517	No Trend		
POCMH	Fall	STP	1.0000	-0.0055	No Trend	0.0991	-0.0004	No Trend	0.1042	Same	0.0957	No Trend		
POCMH	Fall	BTP	1.0000	0.0015	No Trend	0.1379	-0.0004	No Trend	0.1334	Same	0.1444	No Trend		
POCMH	Fall	SPO4F	0.1120	-0.0030	High BDLs	0.2850	0.0000	High BDLs	0.3860	Same	0.2073	No Trend		
POCMH	Fall	BPO4F	0.1120	-0.0030	High BDLs	0.8724	0.0000	High BDLs	0.6713	Same	0.9155	No Trend		
CB5MH	Fall	STN	1.0000	-0.0122	No Trend	0.0848	-0.0032	No Trend	0.0889	Same	0.0821	No Trend		
CB5MH	Fall	BTN	0.5465	-0.0363	No Trend	0.1440	-0.0029	No Trend	0.1609	Same	0.1299	No Trend		
CB5MH	Fall	SDIN	1.0000	0.0004	No Trend	0.5241	-0.0006	No Trend	0.5127	Same	0.5371	No Trend		
CB5MH	Fall	BDIN	0.5465	-0.0193	No Trend	0.6130	-0.0005	No Trend	0.6536	Same	0.5748	No Trend		
CB5MH	Fall	STP	1.0000	0.0004	No Trend	0.1600	0.0001	No Trend	0.1664	Same	0.1553	No Trend		
CB5MH	Fall	BTP	0.2278	-0.0081	No Trend	0.3685	-0.0001	No Trend	0.4214	Same	0.3217	No Trend		
CB5MH	Fall	SPO4F	0.4268	0.0000	High BDLs	0.4352	0.0000	High BDLs	0.3093	Same	0.6112	No Trend		
CB5MH	Fall	BPO4F	0.7119	0.0000	High BDLs	0.1151	0.0000	High BDLs	0.1033	Same	0.1304	No Trend		
CB6PH	Fall	STN	1.0000	0.0045	No Trend	0.0148	-0.0042	No Trend	0.0143	Same	0.0158	No Trend		
CB6PH	Fall	BTN	0.5465	-0.0246	No Trend	0.0018	-0.0056	Improving	0.0023	Different	0.0015	Improving	88	
CB6PH	Fall	SDIN	1.0000	0.0010	No Trend	0.6847	0.0000	No Trend	0.6712	Same	0.6996	No Trend		
CB6PH	Fall	BDIN	0.2278	-0.0061	No Trend	0.7587	0.0002	No Trend	0.6874	Same	0.8331	No Trend		
CB6PH	Fall	STP	1.0000	0.0005	No Trend	0.0003	-0.0005	Improving	0.0003	Different	0.0004	Improving	88	
CB6PH	Fall	BTP	1.0000	-0.0002	No Trend	0.0031	-0.0006	Improving	0.0034	Different	0.0030	Improving	88	
CB6PH	Fall	SPO4F	0.1939	0.0000	High BDLs	0.9641	0.0000	High BDLs	0.8229	Same	0.8932	No Trend		
CB6PH	Fall	BPO4F	0.7119	0.0000	No Trend	0.7359	0.0000	No Trend	0.7792	Same	0.6947	No Trend		

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93		'07		'07		Trend		Combined	Combined
			Trend	'93	Trend	Trend	'07	'07	Trend	Comparison	Trend	Comparison	Trend	Trend
			P value	Slope	Direction	P value	Slope	Direction	P value	Comparison	P value	Direction	P value	Direction
CB7PH	Fall	STN	0.5465	-0.0035	No Trend	0.0014	-0.0056	Improving	0.0017	Different	0.0011	Improving	88	
CB7PH	Fall	BTN	0.2278	-0.0354	No Trend	0.0020	-0.0050	Improving	0.0028	Different	0.0015	Improving	88	
CB7PH	Fall	SDIN	0.5465	-0.0110	No Trend	0.8903	0.0000	No Trend	0.9373	Same	0.8442	No Trend		
CB7PH	Fall	BDIN	1.0000	-0.0060	No Trend	0.9847	0.0000	No Trend	1.0000	Same	0.9694	No Trend		
CB7PH	Fall	STP	1.0000	-0.0010	No Trend	0.0040	-0.0004	Improving	0.0043	Different	0.0038	Improving	88	
CB7PH	Fall	BTP	1.0000	-0.0010	No Trend	0.0273	-0.0004	No Trend	0.0290	Same	0.0263	No Trend		
CB7PH	Fall	SPO4F	0.1120	-0.0030	High BDLs	0.1934	0.0000	High BDLs	0.0902	Same	0.3969	No Trend		
CB7PH	Fall	BPO4F	1.0000	0.0000	No Trend	0.6916	0.0000	No Trend	0.6927	Same	0.6927	No Trend		
CB8PH	Fall	STN	0.0704	-0.1339	No Trend	0.0324	0.0029	No Trend	0.0231	Same	0.0458	No Trend		
CB8PH	Fall	BTN	0.0159	-0.1725	Improving	0.8403	0.0005	No Trend	0.7025	Same	0.9840	No Trend		
CB8PH	Fall	SDIN	0.0704	-0.0190	No Trend	0.7238	-0.0002	No Trend	0.8294	Same	0.6243	No Trend		
CB8PH	Fall	BDIN	0.0704	-0.0282	No Trend	0.3165	0.0005	No Trend	0.2556	Same	0.3885	No Trend		
CB8PH	Fall	STP	0.0704	-0.0135	No Trend	0.0003	-0.0007	Improving	0.0006	Different	0.0002	Improving	88	
CB8PH	Fall	BTP	0.0704	-0.0315	No Trend	0.0048	-0.0006	Improving	0.0075	Different	0.0031	Improving	88	
CB8PH	Fall	SPO4F	1.0000	-0.0040	No Trend	0.0020	-0.0001	Improving	0.0022	Different	0.0019	Improving	88	
CB8PH	Fall	BPO4F	0.0704	-0.0050	No Trend	0.0002	-0.0003	Improving	0.0003	Different	0.0001	Improving	88	
APPTF	SAV1	STN	0.0098	-0.034	Improving	0.6718	0.003	No Trend	0.0729	Same	0.2780	No Trend		
APPTF	SAV1	BTN	0.0401	-0.024	No Trend	0.4818	-0.004	No Trend	0.5846	Same	0.0841	No Trend		
APPTF	SAV1	SDIN	0.6861	-0.002	No Trend	0.7960	-0.002	No Trend	0.9826	Same	0.6474	No Trend		
APPTF	SAV1	BDIN	0.4441	-0.005	No Trend	0.6660	-0.002	No Trend	0.9486	Same	0.4268	No Trend		
APPTF	SAV1	STP	0.1941	-0.002	No Trend	0.4185	-0.001	No Trend	1.0000	Same	0.1661	No Trend		
APPTF	SAV1	BTP	0.4609	0.001	No Trend	0.4187	-0.001	No Trend	0.2741	Same	0.7684	No Trend		
APPTF	SAV1	SPO4F	0.0413	-0.001	No Trend	0.0716	0.000	No Trend	0.5808	Same	0.0096	Improving		
APPTF	SAV1	BPO4F	0.0053	-0.001	Improving	0.0642	0.000	No Trend	0.8323	Same	0.0026	Improving		
JMSTF2	SAV1	STN	0.0000	-0.057	Improving	0.0075	0.014	Degrading	0.0000	Different	0.9166	--		
JMSTF2	SAV1	BTN	0.0000	-0.126	Improving	0.0036	0.016	Degrading	0.0000	Different	0.3854	--		
JMSTF2	SAV1	SDIN	0.0002	-0.028	Improving	0.4915	0.004	No Trend	0.0119	Same	0.1841	No Trend		
JMSTF2	SAV1	BDIN	0.0000	-0.067	Improving	0.5792	0.003	No Trend	0.0013	Different	0.0238	Improving	85	
JMSTF2	SAV1	STP	0.0000	-0.015	Improving	0.3809	0.001	No Trend	0.0005	Different	0.0486	Improving	85	
JMSTF2	SAV1	BTP	0.0000	-0.023	Improving	0.0313	0.002	No Trend	0.0000	Different	0.1925	Improving	85	
JMSTF2	SAV1	SPO4F	0.0000	-0.013	Improving	0.0002	-0.002	Improving	0.5365	Same	0.0000	Improving		
JMSTF2	SAV1	BPO4F	0.0000	-0.018	Improving	0.0000	-0.002	Improving	0.4383	Same	0.0000	Improving		
JMSTF1	SAV1	STN	0.1240	-0.017	No Trend	0.0015	-0.015	Improving	0.0584	Same	0.0004	Improving		
JMSTF1	SAV1	BTN	0.1259	-0.027	No Trend	0.0000	-0.030	Improving	0.0049	Different	0.0000	Improving	95	
JMSTF1	SAV1	SDIN	0.0018	-0.027	Improving	0.0390	0.012	No Trend	0.0007	Different	0.8868	Improving	85	
JMSTF1	SAV1	BDIN	0.0006	-0.030	Improving	0.0338	0.010	No Trend	0.0003	Different	0.9834	Improving	85	
JMSTF1	SAV1	STP	0.0773	0.003	No Trend	0.0164	-0.002	No Trend	0.0029	Different	0.2379	No Trend*		
JMSTF1	SAV1	BTP	0.0002	0.005	Degrading	0.0000	-0.006	Improving	0.0000	Different	0.0813	--		
JMSTF1	SAV1	SPO4F	0.0276	-0.001	No Trend	0.0121	0.001	No Trend	0.0010	Different	0.2846	No Trend*		
JMSTF1	SAV1	BPO4F	0.0456	0.000	No Trend	0.0474	0.001	No Trend	0.0064	Different	0.4660	No Trend*		
CHKOH	SAV1	STN	0.0546	-0.038	No Trend	0.1225	-0.005	No Trend	0.4312	Same	0.0338	No Trend		
CHKOH	SAV1	BTN	0.7753	-0.015	No Trend	0.0694	-0.009	No Trend	0.1102	Same	0.0669	No Trend		
CHKOH	SAV1	SDIN	0.4664	0.000	No Trend	0.0049	0.002	Degrading	0.0034	Different	0.0143	Degrading	95	
CHKOH	SAV1	BDIN	0.4344	0.000	No Trend	0.1375	0.001	No Trend	0.0942	Same	0.2451	No Trend		
CHKOH	SAV1	STP	0.1175	0.002	No Trend	0.0399	-0.001	No Trend	0.0139	Same	0.1475	No Trend		
CHKOH	SAV1	BTP	0.0622	0.006	No Trend	0.0364	-0.003	No Trend	0.0094	Different	0.1686	No Trend*		
CHKOH	SAV1	SPO4F	0.3681	0.000	No Trend	0.1428	0.000	No Trend	0.2218	Same	0.1000	No Trend		
CHKOH	SAV1	BPO4F	0.0599	0.000	No Trend	0.1690	0.000	No Trend	0.3808	Same	0.0720	No Trend		

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93		'07		'07		Trend		Combined	Combined
			Trend	'93	Trend	Trend	'07	'07	Trend	Comparison	Trend	Comparison	Trend	Trend
			P value	Slope	Direction	P value	Slope	Direction	P value	Comparison	P value	Direction	P value	Direction
JMSOH	SAV1	STN	0.4530	-0.005	No Trend	0.4987	0.002	No Trend	0.3225	Same	0.8690	No Trend		
JMSOH	SAV1	BTN	0.0535	0.022	No Trend	0.8656	-0.001	No Trend	0.2402	Same	0.3756	No Trend		
JMSOH	SAV1	SDIN	0.0020	-0.017	Improving	0.0467	0.006	No Trend	0.0008	Different	0.9832	Improving 85		
JMSOH	SAV1	BDIN	0.0031	-0.015	Improving	0.1563	0.003	No Trend	0.0051	Different	0.6893	Improving 85		
JMSOH	SAV1	STP	0.0001	0.005	Degrading	0.7967	0.000	No Trend	0.0294	Same	0.0828	No Trend		
JMSOH	SAV1	BTP	0.0000	0.010	Degrading	0.3255	-0.001	No Trend	0.0019	Different	0.1585	Degrading 85		
JMSOH	SAV1	SPO4F	0.0083	0.001	Degrading	0.1969	0.000	No Trend	0.8538	Same	0.0149	No Trend		
JMSOH	SAV1	BPO4F	0.1579	0.000	No Trend	0.1271	0.000	No Trend	0.5398	Same	0.0410	No Trend		
JMSMH	SAV1	STN	0.0285	0.017	No Trend	0.2537	0.003	No Trend	0.9337	Same	0.0375	No Trend		
JMSMH	SAV1	BTN	0.0004	0.025	Degrading	0.7392	0.002	No Trend	0.1513	Same	0.0436	No Trend		
JMSMH	SAV1	SDIN	0.9656	0.000	No Trend	0.1352	0.003	No Trend	0.2112	Same	0.1814	No Trend		
JMSMH	SAV1	BDIN	0.8283	0.000	No Trend	0.3112	0.002	No Trend	0.4481	Same	0.3118	No Trend		
JMSMH	SAV1	STP	0.0000	0.005	Degrading	0.8176	0.000	No Trend	0.0089	Different	0.0265	Degrading 85		
JMSMH	SAV1	BTP	0.0000	0.005	Degrading	0.7294	0.000	No Trend	0.0254	Same	0.0046	Degrading		
JMSMH	SAV1	SPO4F	0.0054	0.002	Degrading	0.1219	0.000	No Trend	0.9679	Same	0.0063	Degrading		
JMSMH	SAV1	BPO4F	0.0018	0.001	Degrading	0.2871	0.000	No Trend	0.5441	Same	0.0136	No Trend		
JMSPH	SAV1	STN	0.4079	0.006	No Trend	0.8536	0.000	No Trend	0.7805	Same	0.5504	No Trend		
JMSPH	SAV1	BTN	0.2215	0.008	No Trend	0.0549	0.004	No Trend	0.3142	Same	0.0217	No Trend		
JMSPH	SAV1	SDIN	0.4254	0.003	No Trend	0.0027	0.002	Degrading	0.0296	Same	0.0026	Degrading		
JMSPH	SAV1	BDIN	0.3369	0.001	No Trend	0.0527	0.002	No Trend	0.2385	Same	0.0294	No Trend		
JMSPH	SAV1	STP	0.1430	0.001	No Trend	0.8536	0.000	No Trend	0.5500	Same	0.3594	No Trend		
JMSPH	SAV1	BTP	0.0580	0.001	No Trend	0.3684	0.000	No Trend	0.0796	Same	0.8421	No Trend		
JMSPH	SAV1	SPO4F	1.0000	0.000	No Trend	0.1160	0.000	No Trend	0.1721	Same	0.1721	No Trend		
JMSPH	SAV1	BPO4F	0.6873	0.000	No Trend	0.2674	0.000	No Trend	0.2371	Same	0.4584	No Trend		
ELIPH	SAV1	STN	0.0977	0.016	No Trend	0.0218	0.0085	No Trend	0.2682	Same	0.0045	Degrading		
ELIPH	SAV1	BTN	0.0830	0.010	No Trend	0.0003	0.0112	Degrading	0.0260	Same	0.0001	Degrading		
ELIPH	SAV1	SDIN	0.2981	0.005	No Trend	0.0128	0.0088	No Trend	0.0844	Same	0.0067	Degrading		
ELIPH	SAV1	BDIN	0.3179	0.006	No Trend	0.0020	0.0084	Degrading	0.0201	Same	0.0012	Degrading		
ELIPH	SAV1	STP	0.3526	0.000	No Trend	0.7819	0.0002	No Trend	0.8100	Same	0.4708	No Trend		
ELIPH	SAV1	BTP	0.1439	0.001	No Trend	0.7122	-0.0002	No Trend	0.2879	Same	0.6737	No Trend		
ELIPH	SAV1	SPO4F	0.7742	0.000	No Trend	0.1333	0.0004	No Trend	0.2514	Same	0.1419	No Trend		
ELIPH	SAV1	BPO4F	0.5596	0.000	No Trend	0.0400	0.0008	No Trend	0.1353	Same	0.0358	No Trend		
PMKTF	SAV1	STN	0.7822	0.002	No Trend	0.0665	0.008	No Trend	0.1757	Same	0.0885	No Trend		
PMKTF	SAV1	BTN	0.8128	0.003	No Trend	0.8899	0.000	No Trend	0.9639	Same	0.7857	No Trend		
PMKTF	SAV1	SDIN	0.3432	0.004	No Trend	0.0257	0.009	No Trend	0.1693	Same	0.0157	No Trend		
PMKTF	SAV1	BDIN	0.3636	0.005	No Trend	0.5595	0.004	No Trend	0.9830	Same	0.3157	No Trend		
PMKTF	SAV1	STP	0.0132	0.003	No Trend	0.3322	0.001	No Trend	0.5688	Same	0.0284	No Trend		
PMKTF	SAV1	BTP	0.0003	0.005	Degrading	0.4228	0.000	No Trend	0.0064	Different	0.1622	Degrading 85		
PMKTF	SAV1	SPO4F	0.0041	0.000	High BDLs	0.0000	-0.001	Improving	0.0055	Different	0.0000	Improving 95		
PMKTF	SAV1	BPO4F	0.0753	0.000	No Trend	0.0000	-0.001	Improving	0.0004	Different	0.0000	Improving 95		

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93 Trend Direction	'07		'07 Trend Direction	Trend		Trend Comparison	Combined		Combined Trend Direction
			P value	Slope		P value	Slope		P value	Comparison		P value	Comparison	
PMKOH	SAV1	STN	0.0001	0.035	Degrading	0.2504	-0.007	No Trend	0.0020	Different		0.2453	Degrading	85
PMKOH	SAV1	BTN	0.0026	0.044	Degrading	0.8312	-0.002	No Trend	0.0665	Same		0.1397	No Trend	
PMKOH	SAV1	SDIN	0.3295	0.005	No Trend	0.7699	-0.001	No Trend	0.4232	Same		0.7554	No Trend	
PMKOH	SAV1	BDIN	0.3415	0.005	No Trend	0.9586	0.000	No Trend	0.6284	Same		0.5673	No Trend	
PMKOH	SAV1	STP	0.0023	0.006	Degrading	0.0091	-0.002	Improving	0.0001	Different		0.5937	--	
PMKOH	SAV1	BTP	0.0014	0.019	Degrading	0.6944	-0.001	No Trend	0.0368	Same		0.1531	No Trend	
PMKOH	SAV1	SPO4F	0.0002	0.002	Degrading	0.5611	0.000	No Trend	0.0146	Same		0.1497	No Trend	
PMKOH	SAV1	BPO4F	0.0403	0.000	No Trend	0.6934	0.000	No Trend	0.1697	Same		0.4924	No Trend	
MPNTF	SAV1	STN	0.8123	-0.002	No Trend	0.5598	-0.002	No Trend	0.7503	Same		0.5245	No Trend	
MPNTF	SAV1	BTN	0.0110	-0.018	No Trend	0.4720	-0.002	No Trend	0.3610	Same		0.0371	No Trend	
MPNTF	SAV1	SDIN	0.0966	0.005	No Trend	0.0650	0.004	No Trend	0.5131	Same		0.0136	No Trend	
MPNTF	SAV1	BDIN	0.2934	0.003	No Trend	0.1444	0.003	No Trend	0.5253	Same		0.0690	No Trend	
MPNTF	SAV1	STP	0.0129	0.001	No Trend	0.0698	-0.001	No Trend	0.0038	Different		0.8771	No Trend*	
MPNTF	SAV1	BTP	0.6206	0.000	No Trend	0.1037	-0.001	No Trend	0.0981	Same		0.2868	No Trend	
MPNTF	SAV1	SPO4F	0.6734	0.000	No Trend	0.0000	-0.002	Improving	0.0000	Different		0.0000	Improving	95
MPNTF	SAV1	BPO4F	0.0695	0.000	No Trend	0.0000	-0.002	Improving	0.0004	Different		0.0000	Improving	95
MPNOH	SAV1	STN	0.0000	0.036	Degrading	0.6964	0.003	No Trend	0.0078	Different		0.0010	Degrading	85
MPNOH	SAV1	BTN	0.0292	0.035	No Trend	0.0175	-0.014	No Trend	0.0013	Different		0.4843	No Trend*	
MPNOH	SAV1	SDIN	0.0356	0.007	No Trend	0.8718	0.001	No Trend	0.2927	Same		0.1865	No Trend	
MPNOH	SAV1	BDIN	0.1485	0.007	No Trend	0.5842	0.001	No Trend	0.7410	Same		0.2091	No Trend	
MPNOH	SAV1	STP	0.0000	0.007	Degrading	0.2611	-0.002	No Trend	0.0002	Different		0.0733	Degrading	85
MPNOH	SAV1	BTP	0.0122	0.006	No Trend	0.3081	-0.002	No Trend	0.0252	Same		0.5984	No Trend	
MPNOH	SAV1	SPO4F	0.0163	0.001	No Trend	0.2036	0.000	No Trend	0.0182	Same		0.8454	No Trend	
MPNOH	SAV1	BPO4F	0.0141	0.001	No Trend	0.0800	0.000	No Trend	0.0052	Different		0.8431	No Trend*	
YRKMH	SAV1	STN	0.0002	0.033	Degrading	0.8225	0.000	No Trend	0.0839	Same		0.0347	No Trend	
YRKMH	SAV1	BTN	0.0012	0.030	Degrading	0.6125	-0.002	No Trend	0.0334	Same		0.2079	No Trend	
YRKMH	SAV1	SDIN	0.3622	-0.002	No Trend	0.9168	0.000	No Trend	0.5509	Same		0.6747	No Trend	
YRKMH	SAV1	BDIN	0.6708	0.000	No Trend	0.6206	-0.001	No Trend	0.8590	Same		0.5052	No Trend	
YRKMH	SAV1	STP	0.0000	0.006	Degrading	0.2553	-0.001	No Trend	0.0007	Different		0.1535	Degrading	85
YRKMH	SAV1	BTP	0.0011	0.008	Degrading	0.7309	0.000	No Trend	0.1588	Same		0.0457	No Trend	
YRKMH	SAV1	SPO4F	0.0001	0.001	Degrading	0.4247	0.000	No Trend	0.2307	Same		0.0092	Degrading	
YRKMH	SAV1	BPO4F	0.0005	0.001	Degrading	0.0775	0.000	No Trend	0.9162	Same		0.0013	Degrading	
YRKPH	SAV1	STN	0.0018	0.024	Degrading	0.0093	0.005	Degrading	0.5129	Same		0.0001	Degrading	
YRKPH	SAV1	BTN	0.0001	0.049	Degrading	0.4795	0.002	No Trend	0.1853	Same		0.0104	No Trend	
YRKPH	SAV1	SDIN	0.7579	0.000	No Trend	0.9567	0.000	No Trend	0.8898	Same		0.8173	No Trend	
YRKPH	SAV1	BDIN	0.1308	0.005	No Trend	0.6690	-0.001	No Trend	0.2730	Same		0.7359	No Trend	
YRKPH	SAV1	STP	0.0000	0.003	Degrading	0.4773	0.000	No Trend	0.0033	Different		0.0854	Degrading	85
YRKPH	SAV1	BTP	0.0000	0.004	Degrading	0.4263	-0.001	No Trend	0.0022	Different		0.0905	Degrading	85
YRKPH	SAV1	SPO4F	0.0610	0.000	No Trend	0.4041	0.000	No Trend	0.8824	Same		0.1037	No Trend	
YRKPH	SAV1	BPO4F	0.1598	0.000	No Trend	0.9053	0.000	No Trend	0.5695	Same		0.4357	No Trend	

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93		'07		'07		Trend		Combined	Combined
			Trend	'93	Trend	'93	Trend	'07	Trend	'07	Comparison	Trend	Trend	Trend
			P value	Slope	Direction	P value	Slope	Direction	P value	Comparison	P value	Direction		
MOBPH	SAV1	STN	1.0000	-0.0135	No Trend	0.0020	-0.0031	Improving	0.0021	Different	0.0020	Improving	88	
MOBPH	SAV1	BTN	0.4298	-0.0105	No Trend	0.0001	-0.0045	Improving	0.0001	Different	0.0001	Improving	88	
MOBPH	SAV1	SDIN	0.2076	-0.0020	No Trend	0.1006	0.0000	No Trend	0.0836	Same	0.1217	No Trend		
MOBPH	SAV1	BDIN	0.2363	-0.0070	No Trend	0.3571	0.0000	No Trend	0.3144	Same	0.4054	No Trend		
MOBPH	SAV1	STP	0.1072	0.0035	No Trend	0.0497	-0.0002	No Trend	0.0385	Same	0.0644	No Trend		
MOBPH	SAV1	BTP	0.4298	0.0035	No Trend	0.1345	-0.0001	No Trend	0.1200	Same	0.1520	No Trend		
MOBPH	SAV1	SPO4F	0.1761	0.0015	High BDLs	0.4043	0.0000	High BDLs	0.6051	Same	0.2626	No Trend		
MOBPH	SAV1	BPO4F	0.3902	0.0015	High BDLs	0.3578	0.0000	High BDLs	0.4275	Same	0.3012	No Trend		
PIAMH	SAV1	STN	1.0000	0.0025	No Trend	0.0005	-0.0044	Improving	0.0005	Different	0.0005	Improving	88	
PIAMH	SAV1	BTN	0.6930	0.0355	No Trend	0.0057	-0.0032	Improving	0.0052	Different	0.0066	Improving	88	
PIAMH	SAV1	SDIN	1.0000	0.0000	High BDLs	0.0004	-0.0010	High BDLs	0.0004	Different	0.0004	No Trend*		
PIAMH	SAV1	BDIN	0.6464	0.0000	High BDLs	0.1359	-0.0001	High BDLs	0.1266	Same	0.1470	No Trend		
PIAMH	SAV1	STP	0.0700	0.0048	No Trend	0.3440	-0.0001	No Trend	0.2837	Same	0.4140	No Trend		
PIAMH	SAV1	BTP	0.0484	0.0065	No Trend	0.0964	-0.0002	No Trend	0.0719	Same	0.1288	No Trend		
PIAMH	SAV1	SPO4F	0.3902	0.0015	High BDLs	0.6646	0.0000	High BDLs	0.4213	Same	1.0000	No Trend		
PIAMH	SAV1	BPO4F	0.3902	0.0015	High BDLs	0.2146	0.0000	High BDLs	0.2913	Same	0.1628	No Trend		
POCMH	SAV1	STN	1.0000	0.0205	No Trend	0.0013	-0.0070	Improving	0.0013	Different	0.0014	Improving	88	
POCMH	SAV1	BTN	0.0484	0.0355	No Trend	0.0007	-0.0062	Improving	0.0004	Different	0.0012	Improving	88	
POCMH	SAV1	SDIN	1.0000	0.0052	No Trend	0.0005	-0.0012	Improving	0.0005	Different	0.0006	Improving	88	
POCMH	SAV1	BDIN	0.4298	0.0028	No Trend	0.0004	-0.0012	Improving	0.0003	Different	0.0005	Improving	88	
POCMH	SAV1	STP	0.1587	0.0030	No Trend	0.0000	-0.0007	Improving	0.0000	Different	0.0000	Improving	88	
POCMH	SAV1	BTP	0.0238	0.0033	No Trend	0.0000	-0.0008	Improving	0.0000	Different	0.0000	Improving	88	
POCMH	SAV1	SPO4F	1.0000	0.0000	High BDLs	0.6523	0.0000	High BDLs	0.6576	Same	0.6576	No Trend		
POCMH	SAV1	BPO4F	1.0000	0.0000	High BDLs	0.7948	0.0000	High BDLs	0.7972	Same	0.7972	No Trend		
CB5MH	SAV1	STN	1.0000	0.0139	No Trend	0.0002	-0.0043	Improving	0.0002	Different	0.0003	Improving	88	
CB5MH	SAV1	BTN	0.6930	0.0310	No Trend	0.0014	-0.0042	Improving	0.0013	Different	0.0017	Improving	88	
CB5MH	SAV1	SDIN	0.8404	-0.0013	No Trend	0.1602	-0.0004	No Trend	0.1684	Same	0.1537	No Trend		
CB5MH	SAV1	BDIN	1.0000	-0.0048	No Trend	0.1696	-0.0014	No Trend	0.1743	Same	0.1667	No Trend		
CB5MH	SAV1	STP	0.2363	0.0028	No Trend	0.0132	0.0001	No Trend	0.0170	Same	0.0105	No Trend		
CB5MH	SAV1	BTP	0.4298	0.0033	No Trend	0.0001	0.0004	Degrading	0.0001	Different	0.0001	Degrading	88	
CB5MH	SAV1	SPO4F	1.0000	0.0000	High BDLs	0.1466	0.0000	High BDLs	0.1492	Same	0.1492	No Trend		
CB5MH	SAV1	BPO4F	0.8102	0.0000	High BDLs	0.0152	0.0000	High BDLs	0.0142	Same	0.0168	No Trend		
CB6PH	SAV1	STN	1.0000	0.0021	No Trend	0.0005	-0.0037	Improving	0.0005	Different	0.0005	Improving	88	
CB6PH	SAV1	BTN	1.0000	-0.0070	No Trend	0.0003	-0.0043	Improving	0.0003	Different	0.0003	Improving	88	
CB6PH	SAV1	SDIN	0.8404	-0.0008	No Trend	0.0582	0.0003	No Trend	0.0554	Same	0.0621	No Trend		
CB6PH	SAV1	BDIN	0.1143	-0.0089	No Trend	0.6411	-0.0002	No Trend	0.7225	Same	0.5650	No Trend		
CB6PH	SAV1	STP	0.6930	0.0005	No Trend	0.0087	-0.0002	Improving	0.0079	Different	0.0098	Improving	88	
CB6PH	SAV1	BTP	0.3141	0.0015	No Trend	0.6411	0.0001	No Trend	0.6952	Same	0.5901	No Trend		
CB6PH	SAV1	SPO4F	0.4533	0.0000	High BDLs	0.3621	0.0000	High BDLs	0.4260	Same	0.3098	No Trend		
CB6PH	SAV1	BPO4F	0.1175	0.0008	High BDLs	0.9131	0.0000	High BDLs	0.9876	Same	0.8155	No Trend		

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93		'07		'07		Trend		Combined	Combined
			Trend	'93	Trend	'93	Trend	'07	Trend	'07	Comparison	Trend	Trend	Trend
			P value	Slope	Direction	P value	Slope	Direction	P value	Comparison	P value	Direction		
CB7PH	SAV1	STN	1.0000	-0.0007	No Trend	0.0035	-0.0033	Improving	0.0037	Different	0.0034	Improving	88	
CB7PH	SAV1	BTN	0.6930	-0.0170	No Trend	0.0001	-0.0044	Improving	0.0001	Different	0.0000	Improving	88	
CB7PH	SAV1	SDIN	0.2174	-0.0045	No Trend	0.0549	0.0000	No Trend	0.0444	Same	0.0685	No Trend		
CB7PH	SAV1	BDIN	0.4298	-0.0085	No Trend	0.5797	-0.0002	No Trend	0.6232	Same	0.5391	No Trend		
CB7PH	SAV1	STP	1.0000	-0.0010	No Trend	0.0001	-0.0003	Improving	0.0001	Different	0.0001	Improving	88	
CB7PH	SAV1	BTP	0.0484	0.0023	No Trend	0.0027	-0.0003	Improving	0.0017	Different	0.0042	Improving	88	
CB7PH	SAV1	SPO4F	0.5973	0.0000	High BDLs	0.5682	0.0000	High BDLs	0.4884	Same	0.6650	No Trend		
CB7PH	SAV1	BPO4F	0.5023	0.0000	High BDLs	0.0134	0.0000	High BDLs	0.0115	Same	0.0162	No Trend		
CB8PH	SAV1	STN	0.6930	0.0218	No Trend	0.0259	0.0019	No Trend	0.0288	Same	0.0238	No Trend		
CB8PH	SAV1	BTN	0.6930	-0.0012	No Trend	0.2497	0.0011	No Trend	0.2354	Same	0.2666	No Trend		
CB8PH	SAV1	SDIN	0.1356	-0.0036	No Trend	0.0000	0.0008	Degrading	0.0000	Different	0.0000	Degrading	88	
CB8PH	SAV1	BDIN	0.0179	-0.0103	No Trend	0.0056	0.0007	Degrading	0.0034	Different	0.0093	Degrading	88	
CB8PH	SAV1	STP	0.0057	-0.0100	Improving	0.0000	-0.0003	Improving	0.0001	Different	0.0000	Improving		
CB8PH	SAV1	BTP	0.0057	-0.0113	Improving	0.0000	-0.0006	Improving	0.0000	Different	0.0000	Improving		
CB8PH	SAV1	SPO4F	0.2298	0.0000	High BDLs	0.0023	0.0000	High BDLs	0.0033	Different	0.0017	No Trend*		
CB8PH	SAV1	BPO4F	0.0587	-0.0030	No Trend	0.0000	-0.0002	Improving	0.0000	Different	0.0000	Improving	88	
RPPTF	SAV1	STN	0.4778	0.009	No Trend	0.8176	0.000	No Trend	0.8578	Same	0.5637	No Trend		
RPPTF	SAV1	BTN	0.4778	-0.010	No Trend	0.3561	-0.006	No Trend	0.6758	Same	0.2400	No Trend		
RPPTF	SAV1	SDIN	0.0126	0.021	No Trend	0.8536	0.000	No Trend	0.2645	Same	0.1514	No Trend		
RPPTF	SAV1	BDIN	0.0071	0.020	Degrading	0.9448	0.000	No Trend	0.1511	Same	0.1882	No Trend		
RPPTF	SAV1	STP	0.0884	0.001	No Trend	0.0538	-0.001	No Trend	0.0109	Same	0.4352	No Trend		
RPPTF	SAV1	BTP	0.0795	0.002	No Trend	0.0669	-0.001	No Trend	0.0127	Same	0.5132	No Trend		
RPPTF	SAV1	SPO4F	0.2040	0.000	No Trend	0.0214	0.000	No Trend	0.0083	Different	0.1152	No Trend*		
RPPTF	SAV1	BPO4F	0.5681	0.000	No Trend	0.0071	0.000	Improving	0.0067	Different	0.0277	Improving	95	
RPPMH	SAV1	STN	0.0025	0.018	Degrading	0.5488	0.002	No Trend	0.3091	Same	0.0400	No Trend		
RPPMH	SAV1	BTN	0.0000	0.026	Degrading	0.6281	0.001	No Trend	0.0903	Same	0.0114	No Trend		
RPPMH	SAV1	SDIN	0.0059	-0.005	Improving	0.1386	0.001	No Trend	0.0080	Different	0.9516	Improving	85	
RPPMH	SAV1	BDIN	0.3325	0.000	No Trend	0.4466	0.001	No Trend	0.2454	Same	0.8727	No Trend		
RPPMH	SAV1	STP	0.0001	0.002	Degrading	0.3563	0.000	No Trend	0.0055	Different	0.2433	Degrading	85	
RPPMH	SAV1	BTP	0.0204	0.002	No Trend	0.0651	-0.001	No Trend	0.0056	Different	0.6590	No Trend*		
RPPMH	SAV1	SPO4F	1.0000	0.000	No Trend	0.7424	0.000	No Trend	0.7507	Same	0.7507	No Trend		
RPPMH	SAV1	BPO4F	0.1059	0.000	No Trend	0.5761	0.000	No Trend	0.9644	Same	0.3050	No Trend		
RPPOH	SAV1	STN	0.0264	0.027	No Trend	0.1059	0.007	No Trend	0.8225	Same	0.0108	No Trend		
RPPOH	SAV1	BTN	0.0003	0.036	Degrading	0.1108	0.009	No Trend	0.6044	Same	0.0011	Degrading		
RPPOH	SAV1	SDIN	0.2774	-0.005	No Trend	0.8068	0.000	No Trend	0.7068	Same	0.4271	No Trend		
RPPOH	SAV1	BDIN	0.0481	-0.008	No Trend	0.9407	0.000	No Trend	0.3287	Same	0.2696	No Trend		
RPPOH	SAV1	STP	0.0005	0.005	Degrading	0.9024	0.000	No Trend	0.0498	Same	0.0797	No Trend		
RPPOH	SAV1	BTP	0.0001	0.007	Degrading	0.4559	0.001	No Trend	0.1404	Same	0.0063	Degrading		
RPPOH	SAV1	SPO4F	0.8404	0.000	No Trend	0.0160	0.000	No Trend	0.0295	Same	0.0184	No Trend		
RPPOH	SAV1	BPO4F	0.6073	0.000	No Trend	0.0113	0.000	No Trend	0.0305	Same	0.0100	No Trend		
CRRMH	SAV1	STN	0.1932	0.015	No Trend	0.0433	0.005	No Trend	0.2531	Same	0.0156	No Trend		
CRRMH	SAV1	BTN	0.0436	0.020	No Trend	0.8638	0.000	No Trend	0.2750	Same	0.4319	No Trend		
CRRMH	SAV1	SDIN	0.0001	-0.006	Improving	0.0351	0.000	No Trend	0.6672	Same	0.0001	Improving		
CRRMH	SAV1	BDIN	0.0431	-0.003	No Trend	0.2802	-0.001	No Trend	0.9423	Same	0.0505	No Trend		
CRRMH	SAV1	STP	0.0011	0.001	Degrading	0.3679	0.000	No Trend	0.3258	Same	0.0120	No Trend		
CRRMH	SAV1	BTP	0.0012	0.002	Degrading	0.1647	-0.001	No Trend	0.0035	Different	0.5771	Degrading	85	
CRRMH	SAV1	SPO4F	0.3893	0.000	No Trend	0.3075	0.000	No Trend	0.2011	Same	0.5227	No Trend		
CRRMH	SAV1	BPO4F	0.6626	0.000	No Trend	0.0987	0.000	No Trend	0.1800	Same	0.0859	No Trend		

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93	'07	'07	Trend	Comparison	Trend	Combined	Combined
			Trend	'93	Trend	Trend	'07	Trend	P value	Comparison	Trend	Trend
			P value	Slope	Direction	P value	Slope	Direction			P value	Direction
APPTF	SAV2	STN	0.6617	-0.003	No Trend	0.0350	0.005	No Trend	0.0403	Same	0.1213	No Trend
APPTF	SAV2	BTN	0.9304	0.002	No Trend	0.1279	0.004	No Trend	0.2159	Same	0.1699	No Trend
APPTF	SAV2	SDIN	0.1149	-0.008	No Trend	0.0835	0.003	No Trend	0.0207	Same	0.5045	No Trend
APPTF	SAV2	BDIN	0.0879	-0.009	No Trend	0.1482	0.003	No Trend	0.0328	Same	0.7220	No Trend
APPTF	SAV2	STP	0.0539	0.002	No Trend	0.2666	0.000	No Trend	0.0515	Same	0.9821	No Trend
APPTF	SAV2	BTP	0.0077	0.003	Degrading	0.4854	0.000	No Trend	0.0510	Same	0.4592	No Trend
APPTF	SAV2	SPO4F	0.2533	0.000	No Trend	0.2855	0.000	No Trend	0.6949	Same	0.1337	No Trend
APPTF	SAV2	BPO4F	0.1511	0.000	No Trend	0.1600	0.000	No Trend	0.5804	Same	0.0530	No Trend
JMSTF2	SAV2	STN	1.0000	-0.001	No Trend	0.0067	0.006	Degrading	0.0186	Same	0.0209	No Trend
JMSTF2	SAV2	BTN	0.1901	-0.009	No Trend	0.0087	0.006	Degrading	0.0032	Different	0.1206	Degrading 95
JMSTF2	SAV2	SDIN	0.1464	-0.007	No Trend	0.0436	0.004	No Trend	0.0125	Same	0.3222	No Trend
JMSTF2	SAV2	BDIN	0.0228	-0.015	No Trend	0.0376	0.004	No Trend	0.0030	Different	0.5245	No Trend*
JMSTF2	SAV2	STP	0.7941	0.000	No Trend	0.5010	0.000	No Trend	0.4622	Same	0.6654	No Trend
JMSTF2	SAV2	BTP	0.7210	0.000	No Trend	0.5094	0.000	No Trend	0.4400	Same	0.7076	No Trend
JMSTF2	SAV2	SPO4F	0.0106	0.000	No Trend	0.0317	0.000	No Trend	0.4935	Same	0.0018	Improving
JMSTF2	SAV2	BPO4F	0.0040	-0.001	Improving	0.0328	0.000	No Trend	0.5888	Same	0.0012	Improving
JMSTF1	SAV2	STN	0.7330	0.004	No Trend	0.6539	-0.002	No Trend	0.5615	Same	0.8465	No Trend
JMSTF1	SAV2	BTN	0.8613	-0.003	No Trend	0.2955	-0.004	No Trend	0.4234	Same	0.3092	No Trend
JMSTF1	SAV2	SDIN	0.1854	-0.008	No Trend	0.3969	0.002	No Trend	0.1555	Same	0.9657	No Trend
JMSTF1	SAV2	BDIN	0.1055	-0.008	No Trend	0.3191	0.002	No Trend	0.0913	Same	0.9655	No Trend
JMSTF1	SAV2	STP	0.0065	0.003	Degrading	0.0167	-0.001	No Trend	0.0006	Different	0.4744	Degrading 85
JMSTF1	SAV2	BTP	0.0027	0.003	Degrading	0.0008	-0.001	Improving	0.0000	Different	0.1506	--
JMSTF1	SAV2	SPO4F	0.0975	0.000	No Trend	0.8606	0.000	No Trend	0.5203	Same	0.3405	No Trend
JMSTF1	SAV2	BPO4F	0.1534	0.000	No Trend	0.8025	0.000	No Trend	0.6557	Same	0.3725	No Trend
CHKOH	SAV2	STN	0.9572	-0.001	No Trend	0.1282	0.004	No Trend	0.1553	Same	0.1837	No Trend
CHKOH	SAV2	BTN	0.6682	0.005	No Trend	0.2731	0.004	No Trend	0.4292	Same	0.2313	No Trend
CHKOH	SAV2	SDIN	0.1965	-0.008	No Trend	0.0067	0.005	Degrading	0.0025	Different	0.0600	Degrading 95
CHKOH	SAV2	BDIN	0.1606	-0.008	No Trend	0.0385	0.004	No Trend	0.0128	Same	0.2049	No Trend
CHKOH	SAV2	STP	0.0005	0.003	Degrading	0.2332	0.000	No Trend	0.0104	Same	0.6949	No Trend
CHKOH	SAV2	BTP	0.0004	0.003	Degrading	0.1284	0.000	No Trend	0.0042	Different	0.9276	Degrading 85
CHKOH	SAV2	SPO4F	0.7360	0.000	No Trend	0.3839	0.000	No Trend	0.5026	Same	0.3382	No Trend
CHKOH	SAV2	BPO4F	0.5012	0.000	No Trend	0.2690	0.000	No Trend	0.4374	Same	0.1956	No Trend
JMSOH	SAV2	STN	0.4685	0.006	No Trend	0.1953	0.003	No Trend	0.4646	Same	0.1322	No Trend
JMSOH	SAV2	BTN	0.0267	0.016	No Trend	0.6539	0.003	No Trend	0.4517	Same	0.1269	No Trend
JMSOH	SAV2	SDIN	0.1241	-0.008	No Trend	0.0225	0.004	No Trend	0.0056	Different	0.2479	No Trend*
JMSOH	SAV2	BDIN	0.1241	-0.008	No Trend	0.0332	0.004	No Trend	0.0083	Different	0.3055	No Trend*
JMSOH	SAV2	STP	0.0000	0.005	Degrading	0.0490	-0.001	No Trend	0.0000	Different	0.5024	Degrading 85
JMSOH	SAV2	BTP	0.0000	0.006	Degrading	0.0386	-0.001	No Trend	0.0000	Different	0.3411	Degrading 85
JMSOH	SAV2	SPO4F	0.3078	0.000	No Trend	0.4297	0.000	No Trend	0.2318	Same	0.8391	No Trend
JMSOH	SAV2	BPO4F	1.0000	0.000	No Trend	0.9594	0.000	No Trend	0.9640	Same	0.9640	No Trend
JMSMH	SAV2	STN	0.0170	0.015	No Trend	0.1109	0.004	No Trend	0.8804	Same	0.0093	Degrading
JMSMH	SAV2	BTN	0.0049	0.020	Degrading	0.3439	0.003	No Trend	0.5329	Same	0.0240	No Trend
JMSMH	SAV2	SDIN	0.6692	-0.002	No Trend	0.0445	0.003	No Trend	0.0496	Same	0.1394	No Trend
JMSMH	SAV2	BDIN	0.4925	-0.003	No Trend	0.1643	0.002	No Trend	0.1169	Same	0.4139	No Trend
JMSMH	SAV2	STP	0.0000	0.005	Degrading	0.1052	0.000	No Trend	0.0000	Different	0.1792	Degrading 85
JMSMH	SAV2	BTP	0.0000	0.005	Degrading	0.3069	0.000	No Trend	0.0011	Different	0.1351	Degrading 85
JMSMH	SAV2	SPO4F	0.4448	0.000	No Trend	0.8787	0.000	No Trend	0.6166	Same	0.8200	No Trend
JMSMH	SAV2	BPO4F	0.2016	0.000	No Trend	0.4447	0.000	No Trend	0.2017	Same	0.9273	No Trend

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93		'07		'07		Trend		Combined	Combined
			Trend	'93	Trend	Trend	'07	'07	Trend	Comparison	Trend	Comparison	Trend	Trend
			P value	Slope	Direction	P value	Slope	Direction	P value	Comparison	P value	Direction	P value	Direction
JMSPH	SAV2	STN	0.1055	0.011	No Trend	0.2319	0.003	No Trend	0.8466	Same	0.0614	No Trend		
JMSPH	SAV2	BTN	0.0297	0.015	No Trend	0.0192	0.005	No Trend	0.3664	Same	0.0017	Degrading		
JMSPH	SAV2	SDIN	0.6665	0.000	No Trend	0.1286	0.002	No Trend	0.1204	Same	0.2808	No Trend		
JMSPH	SAV2	BDIN	0.9296	0.000	No Trend	0.0856	0.002	No Trend	0.1182	Same	0.1521	No Trend		
JMSPH	SAV2	STP	0.0009	0.002	Degrading	0.2621	0.000	No Trend	0.0083	Different	0.4887	Degrading 85		
JMSPH	SAV2	BTP	0.0017	0.002	Degrading	0.5332	0.000	No Trend	0.0339	Same	0.2987	No Trend		
JMSPH	SAV2	SPO4F	1.0000	0.000	No Trend	0.5819	0.000	No Trend	0.6390	Same	0.6074	No Trend		
JMSPH	SAV2	BPO4F	0.8821	0.000	No Trend	0.8216	0.000	No Trend	0.9110	Same	0.7714	No Trend		
ELIPH	SAV2	STN	0.0550	0.016	No Trend	0.0033	0.0111	Degrading	0.1272	Same	0.0004	Degrading		
ELIPH	SAV2	BTN	0.2370	0.007	No Trend	0.0005	0.0120	Degrading	0.0158	Same	0.0003	Degrading		
ELIPH	SAV2	SDIN	0.2361	0.005	No Trend	0.0111	0.0085	No Trend	0.0938	Same	0.0048	Degrading		
ELIPH	SAV2	BDIN	0.4826	0.003	No Trend	0.0147	0.0085	No Trend	0.0641	Same	0.0117	No Trend		
ELIPH	SAV2	STP	0.3173	0.000	No Trend	0.3964	-0.0003	No Trend	0.2095	Same	0.8287	No Trend		
ELIPH	SAV2	BTP	0.0475	0.002	No Trend	0.5837	-0.0003	No Trend	0.1404	Same	0.6028	No Trend		
ELIPH	SAV2	SPO4F	0.2818	0.000	No Trend	0.0846	0.0003	No Trend	0.3367	Same	0.0401	No Trend		
ELIPH	SAV2	BPO4F	0.9283	0.000	No Trend	0.0895	0.0003	No Trend	0.1211	Same	0.1558	No Trend		
PMKTF	SAV2	STN	0.0332	0.013	No Trend	0.0012	0.006	Degrading	0.1022	Same	0.0001	Degrading		
PMKTF	SAV2	BTN	0.1594	0.009	No Trend	0.0345	0.004	No Trend	0.3077	Same	0.0104	No Trend		
PMKTF	SAV2	SDIN	0.8309	0.000	No Trend	0.0001	0.009	Degrading	0.0013	Different	0.0005	Degrading 95		
PMKTF	SAV2	BDIN	1.0000	0.000	No Trend	0.0134	0.005	No Trend	0.0371	Same	0.0332	No Trend		
PMKTF	SAV2	STP	0.0000	0.003	Degrading	0.5284	0.000	No Trend	0.0956	Same	0.0060	Degrading		
PMKTF	SAV2	BTP	0.0000	0.004	Degrading	0.7276	0.000	No Trend	0.0239	Same	0.0044	Degrading		
PMKTF	SAV2	SPO4F	0.7037	0.000	No Trend	0.0052	0.000	Improving	0.0188	Same	0.0066	Improving		
PMKTF	SAV2	BPO4F	0.7200	0.000	No Trend	0.0065	0.000	Improving	0.0257	Same	0.0091	Improving		
PMKOH	SAV2	STN	0.0884	0.015	No Trend	0.1724	0.004	No Trend	0.7914	Same	0.0383	No Trend		
PMKOH	SAV2	BTN	0.0960	0.014	No Trend	0.0133	0.006	No Trend	0.2314	Same	0.0027	Degrading		
PMKOH	SAV2	SDIN	0.6992	0.000	No Trend	0.0673	0.003	No Trend	0.1778	Same	0.0735	No Trend		
PMKOH	SAV2	BDIN	0.7001	0.000	No Trend	0.2466	0.002	No Trend	0.4400	Same	0.2250	No Trend		
PMKOH	SAV2	STP	0.0000	0.005	Degrading	0.4559	0.000	No Trend	0.0037	Different	0.1021	Degrading 85		
PMKOH	SAV2	BTP	0.0000	0.005	Degrading	0.6381	0.000	No Trend	0.0041	Different	0.0378	Degrading 85		
PMKOH	SAV2	SPO4F	0.3433	0.000	No Trend	0.0120	0.000	No Trend	0.0072	Different	0.0767	No Trend*		
PMKOH	SAV2	BPO4F	0.5497	0.000	No Trend	0.0185	0.000	No Trend	0.0169	Same	0.0732	No Trend		
MPNTF	SAV2	STN	0.0027	0.010	Degrading	0.0381	0.005	No Trend	0.8579	Same	0.0008	Degrading		
MPNTF	SAV2	BTN	0.7653	0.003	No Trend	0.0698	0.004	No Trend	0.1804	Same	0.0874	No Trend		
MPNTF	SAV2	SDIN	0.8638	0.000	No Trend	0.0002	0.008	Degrading	0.0009	Different	0.0020	Degrading 95		
MPNTF	SAV2	BDIN	0.9660	0.000	No Trend	0.0008	0.006	Degrading	0.0042	Different	0.0056	Degrading 95		
MPNTF	SAV2	STP	0.0000	0.003	Degrading	0.2736	0.000	No Trend	0.0017	Different	0.2089	Degrading 85		
MPNTF	SAV2	BTP	0.0001	0.003	Degrading	0.1867	0.000	No Trend	0.0016	Different	0.3627	Degrading 85		
MPNTF	SAV2	SPO4F	0.3564	0.000	No Trend	0.0153	0.000	No Trend	0.0093	Different	0.0870	No Trend*		
MPNTF	SAV2	BPO4F	0.7921	0.000	No Trend	0.0292	0.000	No Trend	0.0742	Same	0.0377	No Trend		

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93		'07		'07		Trend Comparison	Trend	Combined Trend	Combined Trend
			P value	Slope	Direction	P value	Slope	Direction						
MPNOH	SAV2	STN	0.0151	0.015	No Trend	0.0357	0.005	No Trend	0.6229	Same	0.0020	Degrading		
MPNOH	SAV2	BTN	0.2329	0.010	No Trend	0.4164	0.003	No Trend	0.9818	Same	0.1774	No Trend		
MPNOH	SAV2	SDIN	0.4943	0.002	No Trend	0.0046	0.005	Degrading	0.0418	Same	0.0052	Degrading		
MPNOH	SAV2	BDIN	0.5213	0.002	No Trend	0.0137	0.004	No Trend	0.0861	Same	0.0143	No Trend		
MPNOH	SAV2	STP	0.0000	0.005	Degrading	0.3378	0.000	No Trend	0.0004	Different	0.0594	Degrading	85	
MPNOH	SAV2	BTP	0.0000	0.005	Degrading	0.1040	0.000	No Trend	0.0003	Different	0.3947	Degrading	85	
MPNOH	SAV2	SPO4F	0.3848	0.000	No Trend	0.0361	0.000	No Trend	0.0223	Same	0.1508	No Trend		
MPNOH	SAV2	BPO4F	0.8050	0.000	No Trend	0.0352	0.000	No Trend	0.0470	Same	0.0893	No Trend		
YRKMH	SAV2	STN	0.0550	0.014	No Trend	0.0257	0.005	No Trend	0.3601	Same	0.0035	Degrading		
YRKMH	SAV2	BTN	0.0884	0.014	No Trend	0.0572	0.005	No Trend	0.4588	Same	0.0115	No Trend		
YRKMH	SAV2	SDIN	0.7977	0.000	No Trend	0.4469	0.002	No Trend	0.6161	Same	0.4199	No Trend		
YRKMH	SAV2	BDIN	0.7970	0.000	No Trend	0.4172	0.002	No Trend	0.3947	Same	0.5854	No Trend		
YRKMH	SAV2	STP	0.0001	0.003	Degrading	0.5183	0.000	No Trend	0.0105	Same	0.1482	No Trend		
YRKMH	SAV2	BTP	0.0030	0.003	Degrading	0.9794	0.000	No Trend	0.1197	Same	0.1306	No Trend		
YRKMH	SAV2	SPO4F	0.2214	0.000	No Trend	0.3213	0.000	No Trend	0.1516	Same	0.7114	No Trend		
YRKMH	SAV2	BPO4F	0.4799	0.000	No Trend	0.4912	0.000	No Trend	0.3439	Same	0.7641	No Trend		
YRKPH	SAV2	STN	0.0483	0.014	No Trend	0.0641	0.004	No Trend	0.5365	Same	0.0092	Degrading		
YRKPH	SAV2	BTN	0.0212	0.018	No Trend	0.1047	0.004	No Trend	0.7728	Same	0.0106	No Trend		
YRKPH	SAV2	SDIN	0.1691	-0.004	No Trend	0.0909	0.002	No Trend	0.0293	Same	0.4675	No Trend		
YRKPH	SAV2	BDIN	0.7788	0.000	No Trend	0.6063	0.001	No Trend	0.5422	Same	0.7692	No Trend		
YRKPH	SAV2	STP	0.0000	0.003	Degrading	0.2895	0.000	No Trend	0.0010	Different	0.1468	Degrading	85	
YRKPH	SAV2	BTP	0.0000	0.003	Degrading	0.6235	0.000	No Trend	0.0119	Same	0.0951	No Trend		
YRKPH	SAV2	SPO4F	0.7589	0.000	No Trend	0.8584	0.000	No Trend	0.7596	Same	0.9812	No Trend		
YRKPH	SAV2	BPO4F	0.8539	0.000	No Trend	0.5578	0.000	No Trend	0.5251	Same	0.6547	No Trend		
MOBPH	SAV2	STN	1.0000	-0.0011	No Trend	0.0001	-0.0045	Improving	0.0001	Different	0.0001	Improving	88	
MOBPH	SAV2	BTN	0.8312	0.0105	No Trend	0.0001	-0.0047	Improving	0.0001	Different	0.0001	Improving	88	
MOBPH	SAV2	SDIN	1.0000	-0.0004	No Trend	0.7156	0.0000	No Trend	0.7262	Same	0.7060	No Trend		
MOBPH	SAV2	BDIN	1.0000	0.0002	No Trend	0.5063	0.0000	No Trend	0.5072	Same	0.5072	No Trend		
MOBPH	SAV2	STP	0.1356	0.0024	No Trend	0.0012	-0.0002	Improving	0.0008	Different	0.0017	Improving	88	
MOBPH	SAV2	BTP	0.2864	0.0021	No Trend	0.0204	-0.0002	No Trend	0.0167	Same	0.0255	No Trend		
MOBPH	SAV2	SPO4F	1.0000	0.0000	High BDLs	0.4556	0.0000	High BDLs	0.4597	Same	0.4597	No Trend		
MOBPH	SAV2	BPO4F	1.0000	0.0000	High BDLs	0.4556	0.0000	High BDLs	0.4597	Same	0.4597	No Trend		
RPPTF	SAV2	STN	0.3824	0.007	No Trend	0.0463	0.004	No Trend	0.2018	Same	0.0289	No Trend		
RPPTF	SAV2	BTN	0.5120	0.005	No Trend	0.2222	0.004	No Trend	0.4750	Same	0.1594	No Trend		
RPPTF	SAV2	SDIN	0.9651	0.000	No Trend	0.0219	0.005	No Trend	0.0514	Same	0.0419	No Trend		
RPPTF	SAV2	BDIN	0.6614	0.002	No Trend	0.0219	0.004	No Trend	0.0795	Same	0.0257	No Trend		
RPPTF	SAV2	STP	0.0018	0.003	Degrading	0.1785	0.000	No Trend	0.0065	Different	0.7067	Degrading	85	
RPPTF	SAV2	BTP	0.0002	0.003	Degrading	0.0717	0.000	No Trend	0.0006	Different	0.7739	Degrading	85	
RPPTF	SAV2	SPO4F	0.4569	0.000	No Trend	0.0707	0.000	No Trend	0.0480	Same	0.1824	No Trend		
RPPTF	SAV2	BPO4F	0.8697	0.000	No Trend	0.1208	0.000	No Trend	0.1331	Same	0.1869	No Trend		
RPPMH	SAV2	STN	0.0332	0.013	No Trend	0.0584	0.005	No Trend	0.5909	Same	0.0063	Degrading		
RPPMH	SAV2	BTN	0.0884	0.013	No Trend	0.0729	0.004	No Trend	0.5051	Same	0.0151	No Trend		
RPPMH	SAV2	SDIN	0.3242	-0.005	No Trend	0.1706	0.002	No Trend	0.0888	Same	0.5043	No Trend		
RPPMH	SAV2	BDIN	0.7974	-0.002	No Trend	0.3699	0.002	No Trend	0.3546	Same	0.5325	No Trend		
RPPMH	SAV2	STP	0.0003	0.003	Degrading	0.9008	0.000	No Trend	0.0936	Same	0.0582	No Trend		
RPPMH	SAV2	BTP	0.0076	0.002	Degrading	0.8615	0.000	No Trend	0.1351	Same	0.2337	No Trend		
RPPMH	SAV2	SPO4F	1.0000	0.000	No Trend	0.4965	0.000	No Trend	0.5067	Same	0.5375	No Trend		
RPPMH	SAV2	BPO4F	0.6501	0.000	No Trend	0.4966	0.000	No Trend	0.6328	Same	0.4167	No Trend		

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93	'07		'07	Trend		Combined	Combined
			Trend	'93	Trend	Trend	'07	Trend	Comparison	Trend	Trend	Trend
			P value	Slope	Direction	P value	Slope	Direction	P value	Comparison	P value	Direction
RPPOH	SAV2	STN	0.2329	0.011	No Trend	0.0172	0.006	No Trend	0.1739	Same	0.0075	Degrading
RPPOH	SAV2	BTN	0.5509	0.005	No Trend	0.0345	0.004	No Trend	0.1470	Same	0.0332	No Trend
RPPOH	SAV2	SDIN	0.1590	-0.008	No Trend	0.1411	0.003	No Trend	0.0436	Same	0.6340	No Trend
RPPOH	SAV2	BDIN	0.0548	-0.010	No Trend	0.2085	0.003	No Trend	0.0350	Same	0.9819	No Trend
RPPOH	SAV2	STP	0.0013	0.004	Degrading	0.6627	0.000	No Trend	0.0355	Same	0.1729	No Trend
RPPOH	SAV2	BTP	0.0002	0.003	Degrading	0.3683	0.000	No Trend	0.0056	Different	0.2121	Degrading 85
RPPOH	SAV2	SPO4F	0.6425	0.000	No Trend	0.2571	0.000	No Trend	0.4194	Same	0.2121	No Trend
RPPOH	SAV2	BPO4F	0.6919	0.000	No Trend	0.1877	0.000	No Trend	0.3194	Same	0.1663	No Trend
CRRMH	SAV2	STN	0.2130	0.011	No Trend	0.1789	0.003	No Trend	0.5785	Same	0.0719	No Trend
CRRMH	SAV2	BTN	0.0720	0.014	No Trend	0.0943	0.004	No Trend	0.5635	Same	0.0185	No Trend
CRRMH	SAV2	SDIN	0.0553	-0.006	No Trend	0.3006	0.001	No Trend	0.0597	Same	0.9250	No Trend
CRRMH	SAV2	BDIN	0.2842	-0.003	No Trend	0.3075	0.001	No Trend	0.1492	Same	0.7447	No Trend
CRRMH	SAV2	STP	0.0001	0.002	Degrading	0.6052	0.000	No Trend	0.0131	Same	0.1127	No Trend
CRRMH	SAV2	BTP	0.0024	0.002	Degrading	0.2246	0.000	No Trend	0.0091	Different	0.6082	Degrading 85
CRRMH	SAV2	SPO4F	1.0000	0.000	No Trend	0.8541	0.000	No Trend	0.8439	Same	0.8826	No Trend
CRRMH	SAV2	BPO4F	0.7515	0.000	No Trend	0.7729	0.000	No Trend	0.6803	Same	0.9035	No Trend
PIAMH	SAV2	STN	0.2864	-0.0173	No Trend	0.0024	-0.0044	Improving	0.0032	Different	0.0018	Improving 88
PIAMH	SAV2	BTN	0.8312	-0.0054	No Trend	0.0016	-0.0045	Improving	0.0018	Different	0.0015	Improving 88
PIAMH	SAV2	SDIN	0.8102	0.0000	High BDLs	0.3820	-0.0001	High BDLs	0.3680	Same	0.3978	No Trend
PIAMH	SAV2	BDIN	1.0000	-0.0004	High BDLs	0.2631	-0.0004	High BDLs	0.2699	Same	0.2582	No Trend
PIAMH	SAV2	STP	0.1356	0.0031	No Trend	0.0031	-0.0002	Improving	0.0022	Different	0.0045	Improving 88
PIAMH	SAV2	BTP	0.2864	0.0020	No Trend	0.0032	-0.0002	Improving	0.0025	Different	0.0043	Improving 88
PIAMH	SAV2	SPO4F	1.0000	0.0000	High BDLs	0.7283	0.0000	High BDLs	0.7541	Same	0.7070	No Trend
PIAMH	SAV2	BPO4F	1.0000	0.0000	High BDLs	0.4556	0.0000	High BDLs	0.4806	Same	0.4398	No Trend
POCMH	SAV2	STN	0.8312	-0.0068	No Trend	0.0025	-0.0045	Improving	0.0028	Different	0.0024	Improving 88
POCMH	SAV2	BTN	1.0000	0.0074	No Trend	0.0298	-0.0031	No Trend	0.0302	Same	0.0302	No Trend
POCMH	SAV2	SDIN	1.0000	0.0006	No Trend	0.0822	-0.0010	No Trend	0.0828	Same	0.0828	No Trend
POCMH	SAV2	BDIN	0.8312	0.0024	No Trend	0.1373	-0.0008	No Trend	0.1312	Same	0.1453	No Trend
POCMH	SAV2	STP	0.5224	0.0009	No Trend	0.0037	-0.0003	Improving	0.0032	Different	0.0045	Improving 88
POCMH	SAV2	BTP	0.5224	0.0009	No Trend	0.0061	-0.0003	Improving	0.0053	Different	0.0073	Improving 88
POCMH	SAV2	SPO4F	0.3583	0.0000	High BDLs	0.5071	0.0000	High BDLs	0.4322	Same	0.5933	No Trend
POCMH	SAV2	BPO4F	0.7842	0.0000	High BDLs	0.5932	0.0000	High BDLs	0.5551	Same	0.6369	No Trend
CB5MH	SAV2	STN	0.8312	-0.0068	No Trend	0.0008	-0.0051	Improving	0.0009	Different	0.0008	Improving 88
CB5MH	SAV2	BTN	0.5224	-0.0068	No Trend	0.0039	-0.0045	Improving	0.0047	Different	0.0033	Improving 88
CB5MH	SAV2	SDIN	0.8312	0.0044	No Trend	0.3332	-0.0006	No Trend	0.3210	Same	0.3475	No Trend
CB5MH	SAV2	BDIN	0.8312	0.0044	No Trend	0.4499	-0.0004	No Trend	0.4350	Same	0.4668	No Trend
CB5MH	SAV2	STP	0.8312	0.0005	No Trend	0.9472	0.0000	No Trend	0.9684	Same	0.9263	No Trend
CB5MH	SAV2	BTP	0.1356	0.0035	No Trend	0.8218	0.0000	No Trend	0.9053	Same	0.7410	No Trend
CB5MH	SAV2	SPO4F	0.0771	0.0000	High BDLs	0.4556	0.0000	High BDLs	0.3445	Same	0.5891	No Trend
CB5MH	SAV2	BPO4F	0.0771	0.0000	High BDLs	0.4556	0.0000	High BDLs	0.3445	Same	0.5891	No Trend
CB6PH	SAV2	STN	0.8312	-0.0068	No Trend	0.0003	-0.0046	Improving	0.0004	Different	0.0003	Improving 88
CB6PH	SAV2	BTN	0.8312	-0.0068	No Trend	0.0001	-0.0049	Improving	0.0001	Different	0.0001	Improving 88
CB6PH	SAV2	SDIN	1.0000	0.0006	No Trend	0.5774	-0.0002	No Trend	0.5781	Same	0.5781	No Trend
CB6PH	SAV2	BDIN	1.0000	0.0006	No Trend	0.6810	-0.0001	No Trend	0.6816	Same	0.6816	No Trend
CB6PH	SAV2	STP	0.2864	0.0010	No Trend	0.0037	-0.0002	Improving	0.0029	Different	0.0048	Improving 88
CB6PH	SAV2	BTP	0.2864	0.0011	No Trend	0.1487	-0.0001	No Trend	0.1283	Same	0.1732	No Trend
CB6PH	SAV2	SPO4F	0.7842	0.0000	High BDLs	0.4556	0.0000	High BDLs	0.4192	Same	0.5008	No Trend
CB6PH	SAV2	BPO4F	0.7842	0.0000	High BDLs	0.4556	0.0000	High BDLs	0.4192	Same	0.5008	No Trend

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93		'07		'07		Trend		Combined	Combined
			Trend	'93	Trend	'93	Trend	'07	Trend	'07	Comparison	Trend	Trend	Trend
			P value	Slope	Direction	P value	Slope	Direction	P value	Comparison	P value	Direction		
CB7PH	SAV2	STN	0.8312	-0.0068	No Trend	0.0012	-0.0045	Improving	0.0014	Different	0.0011	Improving 88		
CB7PH	SAV2	BTN	0.8312	-0.0068	No Trend	0.0002	-0.0045	Improving	0.0002	Different	0.0002	Improving 88		
CB7PH	SAV2	SDIN	0.8312	-0.0020	No Trend	0.7089	0.0000	No Trend	0.7294	Same	0.6898	No Trend		
CB7PH	SAV2	BDIN	0.8312	-0.0014	No Trend	0.8104	0.0000	No Trend	0.8314	Same	0.7902	No Trend		
CB7PH	SAV2	STP	0.8312	0.0005	No Trend	0.0005	-0.0002	Improving	0.0005	Different	0.0006	Improving 88		
CB7PH	SAV2	BTP	0.1356	0.0010	No Trend	0.0243	-0.0002	No Trend	0.0186	Same	0.0322	No Trend		
CB7PH	SAV2	SPO4F	0.7842	0.0000	High BDLs	0.4556	0.0000	High BDLs	0.4192	Same	0.5008	No Trend		
CB7PH	SAV2	BPO4F	0.7842	0.0000	High BDLs	0.4556	0.0000	High BDLs	0.4192	Same	0.5008	No Trend		
CB8PH	SAV2	STN	0.8312	-0.0068	No Trend	0.0162	-0.0027	No Trend	0.0177	Same	0.0153	No Trend		
CB8PH	SAV2	BTN	0.5224	-0.0107	No Trend	0.0261	-0.0024	No Trend	0.0303	Same	0.0229	No Trend		
CB8PH	SAV2	SDIN	0.8312	-0.0007	High BDLs	0.7111	0.0000	High BDLs	0.6914	Same	0.7322	No Trend		
CB8PH	SAV2	BDIN	0.5224	-0.0031	No Trend	0.2536	0.0001	No Trend	0.2324	Same	0.2782	No Trend		
CB8PH	SAV2	STP	0.1356	-0.0054	No Trend	0.0000	-0.0003	Improving	0.0000	Different	0.0000	Improving 88		
CB8PH	SAV2	BTP	0.5224	-0.0061	No Trend	0.0050	-0.0003	Improving	0.0060	Different	0.0043	Improving 88		
CB8PH	SAV2	SPO4F	0.0137	-0.0026	High BDLs	0.4556	0.0000	High BDLs	0.2814	Same	0.6863	No Trend		
CB8PH	SAV2	BPO4F	0.0153	-0.0032	Improving	0.3548	0.0000	No Trend	0.5339	Same	0.2236	No Trend		
APPTF	Spring1	STN	0.0652	-0.018	No Trend	0.3065	0.007	No Trend	0.0585	Same	0.8634	No Trend		
APPTF	Spring1	BTN	0.3421	-0.018	No Trend	0.8749	0.001	No Trend	0.5037	Same	0.6883	No Trend		
APPTF	Spring1	SDIN	0.3743	-0.006	No Trend	0.4250	0.006	No Trend	0.2407	Same	0.8450	No Trend		
APPTF	Spring1	BDIN	0.2817	-0.010	No Trend	0.7042	0.003	No Trend	0.3620	Same	0.7945	No Trend		
APPTF	Spring1	STP	0.4056	-0.002	No Trend	0.7042	0.000	No Trend	0.8961	Same	0.4333	No Trend		
APPTF	Spring1	BTP	0.9482	0.000	No Trend	0.8198	0.000	No Trend	0.8957	Same	0.7931	No Trend		
APPTF	Spring1	SPO4F	0.0481	-0.002	No Trend	0.2641	0.000	No Trend	0.9470	Same	0.0461	No Trend		
APPTF	Spring1	BPO4F	0.0184	-0.003	No Trend	0.1067	0.000	No Trend	0.8684	Same	0.0089	Improving		
JMSTF2	Spring1	STN	0.2528	-0.029	No Trend	0.0528	0.012	No Trend	0.0226	Same	0.3027	No Trend		
JMSTF2	Spring1	BTN	0.0019	-0.084	Improving	0.0702	0.016	No Trend	0.0013	Different	0.8936	Improving 85		
JMSTF2	Spring1	SDIN	0.4693	-0.005	No Trend	0.2174	0.006	No Trend	0.1441	Same	0.5032	No Trend		
JMSTF2	Spring1	BDIN	0.0569	-0.030	No Trend	0.1884	0.007	No Trend	0.0339	Same	0.8742	No Trend		
JMSTF2	Spring1	STP	0.0026	-0.008	Improving	0.8326	0.000	No Trend	0.0830	Same	0.1711	No Trend		
JMSTF2	Spring1	BTP	0.0023	-0.014	Improving	0.7981	0.000	No Trend	0.0762	Same	0.1835	No Trend		
JMSTF2	Spring1	SPO4F	0.0002	-0.010	Improving	0.0091	-0.002	Improving	0.7144	Same	0.0000	Improving		
JMSTF2	Spring1	BPO4F	0.0000	-0.010	Improving	0.0086	-0.001	Improving	0.8741	Same	0.0000	Improving		
JMSTF1	Spring1	STN	0.5873	-0.008	No Trend	0.0112	-0.019	No Trend	0.0593	Same	0.0126	No Trend		
JMSTF1	Spring1	BTN	0.1452	-0.029	No Trend	0.0007	-0.035	Improving	0.0267	Same	0.0002	Improving		
JMSTF1	Spring1	SDIN	0.5873	-0.007	No Trend	0.6723	-0.003	No Trend	0.9515	Same	0.5032	No Trend		
JMSTF1	Spring1	BDIN	0.3421	-0.009	No Trend	0.8326	-0.001	No Trend	0.7582	Same	0.4983	No Trend		
JMSTF1	Spring1	STP	0.8061	0.000	No Trend	0.0264	-0.003	No Trend	0.0377	Same	0.0763	No Trend		
JMSTF1	Spring1	BTP	0.5664	0.001	No Trend	0.0004	-0.006	Improving	0.0006	Different	0.0050	Improving 95		
JMSTF1	Spring1	SPO4F	0.0107	-0.003	No Trend	0.8588	0.000	No Trend	0.1405	Same	0.2433	No Trend		
JMSTF1	Spring1	BPO4F	0.0195	-0.003	No Trend	0.9436	0.000	No Trend	0.2260	Same	0.2772	No Trend		

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93		'07		'07		Trend		Combined		Combined
			Trend	'93	Trend	Trend	'07	'07	Trend	Comparison	Trend	Comparison	Trend	Trend	
			P value	Slope	Direction	P value	Slope	Direction	P value	Comparison	P value	Comparison	P value	Direction	
CHKOH	Spring1	STN	0.0187	-0.048	No Trend	0.8266	0.002	No Trend	0.3464	Same	0.6009	No Trend			
CHKOH	Spring1	BTN	0.2933	-0.052	No Trend	0.7247	-0.002	No Trend	1.0000	Same	0.5000	No Trend			
CHKOH	Spring1	SDIN	0.8141	-0.005	No Trend	0.0258	0.008	No Trend	0.0255	Same	0.0430	No Trend			
CHKOH	Spring1	BDIN	0.6334	-0.007	No Trend	0.1915	0.007	No Trend	0.1551	Same	0.2787	No Trend			
CHKOH	Spring1	STP	0.5538	0.004	No Trend	0.6092	0.000	No Trend	0.4853	Same	0.7801	No Trend			
CHKOH	Spring1	BTP	0.4805	0.004	No Trend	0.3240	-0.002	No Trend	0.2376	Same	0.4786	No Trend			
CHKOH	Spring1	SPO4F	0.0736	0.000	No Trend	0.4140	0.000	No Trend	0.7457	Same	0.2073	No Trend			
CHKOH	Spring1	BPO4F	0.0122	-0.001	No Trend	0.2535	0.000	No Trend	0.6273	Same	0.0829	No Trend			
JMSOH	Spring1	STN	1.0000	-0.002	No Trend	0.9438	0.000	No Trend	0.9757	Same	0.9273	No Trend			
JMSOH	Spring1	BTN	0.0470	0.033	No Trend	0.2048	-0.010	No Trend	0.0333	Same	0.9515	No Trend			
JMSOH	Spring1	SDIN	0.3985	-0.008	No Trend	0.1081	0.006	No Trend	0.0654	Same	0.3650	No Trend			
JMSOH	Spring1	BDIN	0.3985	-0.009	No Trend	0.1653	0.005	No Trend	0.0978	Same	0.4725	No Trend			
JMSOH	Spring1	STP	0.0020	0.009	Degrading	0.1052	-0.002	No Trend	0.0029	Different	0.8551	Degrading 85			
JMSOH	Spring1	BTP	0.0000	0.021	Degrading	0.0782	-0.004	No Trend	0.0003	Different	0.5630	Degrading 85			
JMSOH	Spring1	SPO4F	0.3750	0.000	No Trend	0.4853	0.000	No Trend	0.2800	Same	0.8989	No Trend			
JMSOH	Spring1	BPO4F	0.6999	0.000	No Trend	0.7145	0.000	No Trend	0.5889	Same	0.9240	No Trend			
JMSMH	Spring1	STN	0.0259	0.030	No Trend	0.7247	0.001	No Trend	0.3946	Same	0.1445	No Trend			
JMSMH	Spring1	BTN	0.0047	0.038	Degrading	0.5730	-0.002	No Trend	0.0517	Same	0.3306	No Trend			
JMSMH	Spring1	SDIN	0.5465	0.004	No Trend	0.2269	0.004	No Trend	0.5015	Same	0.1688	No Trend			
JMSMH	Spring1	BDIN	0.8078	0.003	No Trend	0.7626	0.002	No Trend	0.9233	Same	0.6766	No Trend			
JMSMH	Spring1	STP	0.0000	0.006	Degrading	0.2597	-0.001	No Trend	0.0021	Different	0.2587	Degrading 85			
JMSMH	Spring1	BTP	0.0019	0.007	Degrading	0.7781	0.000	No Trend	0.0673	Same	0.1796	No Trend			
JMSMH	Spring1	SPO4F	0.5812	0.000	No Trend	0.8261	0.000	No Trend	0.9227	Same	0.6276	No Trend			
JMSMH	Spring1	BPO4F	0.2124	0.000	No Trend	0.5085	0.000	No Trend	0.2299	Same	0.9741	No Trend			
JMSPH	Spring1	STN	0.2528	0.016	No Trend	0.8326	-0.001	No Trend	0.4293	Same	0.6704	No Trend			
JMSPH	Spring1	BTN	0.0536	0.026	No Trend	0.1589	0.009	No Trend	0.8314	Same	0.0264	No Trend			
JMSPH	Spring1	SDIN	0.5393	0.004	No Trend	0.5970	0.002	No Trend	0.9027	Same	0.4268	No Trend			
JMSPH	Spring1	BDIN	0.2453	0.000	No Trend	0.4176	0.001	No Trend	0.9015	Same	0.1939	No Trend			
JMSPH	Spring1	STP	0.2760	0.001	No Trend	0.6725	0.000	No Trend	0.3453	Same	0.8312	No Trend			
JMSPH	Spring1	BTP	0.3945	0.001	No Trend	0.7781	0.000	No Trend	0.8310	Same	0.4833	No Trend			
JMSPH	Spring1	SPO4F	0.6458	0.000	No Trend	0.7232	0.000	No Trend	0.9503	Same	0.5748	No Trend			
JMSPH	Spring1	BPO4F	0.5136	0.000	No Trend	0.9152	0.000	No Trend	0.6624	Same	0.8030	No Trend			
ELIPH	Spring1	STN	0.2062	0.022	No Trend	0.2597	0.0049	No Trend	0.7611	Same	0.1007	No Trend			
ELIPH	Spring1	BTN	0.8487	0.004	No Trend	0.0572	0.0095	No Trend	0.1234	Same	0.0739	No Trend			
ELIPH	Spring1	SDIN	0.1593	0.015	No Trend	0.2311	0.0061	No Trend	0.7083	Same	0.0808	No Trend			
ELIPH	Spring1	BDIN	0.4497	0.006	No Trend	0.2906	0.0053	No Trend	0.5441	Same	0.1905	No Trend			
ELIPH	Spring1	STP	0.6646	0.000	No Trend	0.1379	-0.0005	No Trend	0.1250	Same	0.2968	No Trend			
ELIPH	Spring1	BTP	0.0652	0.003	No Trend	0.2906	-0.0008	No Trend	0.0645	Same	1.0000	No Trend			
ELIPH	Spring1	SPO4F	0.9466	0.000	No Trend	0.4782	0.0001	No Trend	0.4906	Same	0.5728	No Trend			
ELIPH	Spring1	BPO4F	0.0506	-0.001	No Trend	0.5013	0.0001	No Trend	0.1247	Same	0.7303	No Trend			

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93		'07		'07		Trend		Combined	Combined
			Trend	'93	Trend	Trend	'07	'07	Trend	Comparison	Trend	Comparison	Trend	Trend
			P value	Slope	Direction	P value	Slope	Direction	P value	Comparison	P value	Direction	P value	Direction
PMKTF	Spring1	STN	0.0620	0.021	No Trend	0.0070	0.015	Degrading	0.2103	Same	0.0009	Degrading		
PMKTF	Spring1	BTN	0.3985	0.009	No Trend	0.3035	0.008	No Trend	0.7339	Same	0.1739	No Trend		
PMKTF	Spring1	SDIN	0.1035	0.010	No Trend	0.0001	0.015	Degrading	0.0125	Same	0.0000	Degrading		
PMKTF	Spring1	BDIN	0.1838	0.008	No Trend	0.0574	0.008	No Trend	0.4078	Same	0.0187	No Trend		
PMKTF	Spring1	STP	0.0173	0.003	No Trend	0.0248	0.002	No Trend	0.5738	Same	0.0013	Degrading		
PMKTF	Spring1	BTP	0.0014	0.005	Degrading	0.0581	0.002	No Trend	0.7855	Same	0.0007	Degrading		
PMKTF	Spring1	SPO4F	0.2738	0.000	No Trend	0.0003	-0.001	Improving	0.0060	Different	0.0002	Improving 95		
PMKTF	Spring1	BPO4F	0.3297	0.000	No Trend	0.0003	-0.001	Improving	0.0087	Different	0.0003	Improving 95		
PMKOH	Spring1	STN	0.2062	0.034	No Trend	0.9699	0.000	No Trend	0.4621	Same	0.5020	No Trend		
PMKOH	Spring1	BTN	0.2270	0.053	No Trend	0.1132	0.041	No Trend	0.5441	Same	0.0432	No Trend		
PMKOH	Spring1	SDIN	0.0589	0.007	No Trend	0.3448	0.004	No Trend	0.8221	Same	0.0672	No Trend		
PMKOH	Spring1	BDIN	0.0606	0.009	No Trend	0.9699	0.000	No Trend	0.2907	Same	0.3209	No Trend		
PMKOH	Spring1	STP	0.0136	0.009	No Trend	0.8391	0.000	No Trend	0.2129	Same	0.1136	No Trend		
PMKOH	Spring1	BTP	0.0047	0.027	Degrading	0.4754	0.004	No Trend	0.2515	Same	0.0218	No Trend		
PMKOH	Spring1	SPO4F	0.4258	0.000	No Trend	0.0012	-0.001	Improving	0.0012	Different	0.0175	Improving 95		
PMKOH	Spring1	BPO4F	0.7402	0.000	No Trend	0.0027	-0.001	Improving	0.0051	Different	0.0162	Improving 95		
MPNTF	Spring1	STN	0.0020	0.011	Degrading	0.3251	0.007	No Trend	0.3725	Same	0.0110	No Trend		
MPNTF	Spring1	BTN	0.5465	-0.007	No Trend	0.5983	0.002	No Trend	0.4143	Same	0.9717	No Trend		
MPNTF	Spring1	SDIN	0.3311	0.004	No Trend	0.0001	0.015	Degrading	0.0083	Different	0.0002	Degrading 95		
MPNTF	Spring1	BDIN	0.2528	0.004	No Trend	0.0008	0.013	Degrading	0.0470	Same	0.0007	Degrading		
MPNTF	Spring1	STP	0.0216	0.002	No Trend	0.7437	0.000	No Trend	0.1163	Same	0.3057	No Trend		
MPNTF	Spring1	BTP	0.0831	0.001	No Trend	0.5097	0.000	No Trend	0.1148	Same	0.6159	No Trend		
MPNTF	Spring1	SPO4F	0.4434	0.000	No Trend	0.0015	-0.001	Improving	0.0015	Different	0.0193	Improving 95		
MPNTF	Spring1	BPO4F	0.3776	0.000	No Trend	0.0031	-0.001	Improving	0.0410	Same	0.0025	Improving		
MPNOH	Spring1	STN	0.0219	0.023	No Trend	0.3061	0.011	No Trend	0.6683	Same	0.0321	No Trend		
MPNOH	Spring1	BTN	0.5880	0.017	No Trend	0.3091	-0.009	No Trend	0.2387	Same	0.6276	No Trend		
MPNOH	Spring1	SDIN	0.0219	0.010	No Trend	0.0147	0.011	No Trend	0.4484	Same	0.0009	Degrading		
MPNOH	Spring1	BDIN	0.0254	0.010	No Trend	0.0565	0.010	No Trend	0.8081	Same	0.0040	Degrading		
MPNOH	Spring1	STP	0.0003	0.009	Degrading	0.9030	0.000	No Trend	0.0311	Same	0.0507	No Trend		
MPNOH	Spring1	BTP	0.0219	0.009	No Trend	0.2529	-0.004	No Trend	0.0222	Same	0.6775	No Trend		
MPNOH	Spring1	SPO4F	0.4877	0.000	No Trend	0.0072	-0.001	Improving	0.0067	Different	0.0517	Improving 95		
MPNOH	Spring1	BPO4F	1.0000	0.000	No Trend	0.0050	-0.001	Improving	0.0213	Same	0.0175	No Trend		
YRKMH	Spring1	STN	0.1169	0.020	No Trend	0.2144	0.009	No Trend	0.8269	Same	0.0567	No Trend		
YRKMH	Spring1	BTN	0.2062	0.023	No Trend	0.4429	0.015	No Trend	0.9751	Same	0.1792	No Trend		
YRKMH	Spring1	SDIN	0.0913	0.011	No Trend	0.5591	-0.001	No Trend	0.1599	Same	0.6847	No Trend		
YRKMH	Spring1	BDIN	0.3951	0.006	No Trend	0.6092	-0.002	No Trend	0.3641	Same	0.9750	No Trend		
YRKMH	Spring1	STP	0.0592	0.003	No Trend	0.7614	0.000	No Trend	0.4395	Same	0.1976	No Trend		
YRKMH	Spring1	BTP	0.5443	0.002	No Trend	0.2245	0.002	No Trend	0.4993	Same	0.1665	No Trend		
YRKMH	Spring1	SPO4F	0.2186	0.000	No Trend	0.3232	0.000	No Trend	0.1508	Same	0.7132	No Trend		
YRKMH	Spring1	BPO4F	0.6391	0.000	No Trend	0.5810	0.000	No Trend	0.4639	Same	0.7900	No Trend		

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93 Trend	'93 Slope	'93 Trend	'07 Trend	'07 Slope	'07 Trend	Trend Comparison	Trend Comparison	Combined Trend	Combined Trend
			P value		Direction	P value		Direction	P value		P value	Direction
YRKPH	Spring1	STN	0.0931	0.023	No Trend	0.4875	0.004	No Trend	0.8222	Same	0.1486	No Trend
YRKPH	Spring1	BTN	0.0268	0.051	No Trend	0.7150	0.001	No Trend	0.4744	Same	0.1721	No Trend
YRKPH	Spring1	SDIN	0.5745	0.000	No Trend	0.4906	0.001	No Trend	0.3586	Same	0.7972	No Trend
YRKPH	Spring1	BDIN	0.3012	0.001	No Trend	0.3259	-0.001	No Trend	0.1678	Same	0.7114	No Trend
YRKPH	Spring1	STP	0.0033	0.003	Degrading	0.7614	0.000	No Trend	0.0692	Same	0.1944	No Trend
YRKPH	Spring1	BTP	0.0326	0.003	No Trend	0.5951	0.000	No Trend	0.4782	Same	0.1070	No Trend
YRKPH	Spring1	SPO4F	1.0000	0.000	No Trend	0.8542	0.000	No Trend	0.8351	Same	0.8896	No Trend
YRKPH	Spring1	BPO4F	0.8333	0.000	No Trend	0.6860	0.000	No Trend	0.7813	Same	0.6271	No Trend
MOBPH	Spring1	STN	0.0704	0.0400	No Trend	0.0271	-0.0041	No Trend	0.0194	Same	0.0380	No Trend
MOBPH	Spring1	BTN	0.0159	0.0555	Degrading	0.0411	-0.0045	No Trend	0.0274	Same	0.0615	No Trend
MOBPH	Spring1	SDIN	0.7518	-0.0048	No Trend	0.7411	0.0000	No Trend	0.7711	Same	0.7125	No Trend
MOBPH	Spring1	BDIN	1.0000	-0.0070	No Trend	0.4439	0.0000	No Trend	0.4566	Same	0.4332	No Trend
MOBPH	Spring1	STP	0.0704	0.0035	No Trend	0.0514	-0.0002	No Trend	0.0379	Same	0.0697	No Trend
MOBPH	Spring1	BTP	0.2278	0.0045	No Trend	0.5242	-0.0001	No Trend	0.4659	Same	0.5877	No Trend
MOBPH	Spring1	SPO4F	0.0771	0.0030	High BDLs		0.0000	High BDLs	0.0339	Same	0.0339	No Trend
MOBPH	Spring1	BPO4F	0.0771	0.0030	High BDLs		0.0000	High BDLs	0.0339	Same	0.0339	No Trend
RPPTF	Spring1	STN	0.9495	0.005	No Trend	0.3598	0.006	No Trend	0.4600	Same	0.3887	No Trend
RPPTF	Spring1	BTN	0.8990	-0.008	No Trend	0.8601	-0.001	No Trend	0.9509	Same	0.8053	No Trend
RPPTF	Spring1	SDIN	0.1452	0.017	No Trend	0.1052	0.010	No Trend	0.4983	Same	0.0312	No Trend
RPPTF	Spring1	BDIN	0.0423	0.020	No Trend	0.1052	0.007	No Trend	0.6889	Same	0.0150	No Trend
RPPTF	Spring1	STP	0.4737	0.001	No Trend	0.4646	-0.001	No Trend	0.3076	Same	0.7987	No Trend
RPPTF	Spring1	BTP	0.1071	0.003	No Trend	0.1653	-0.001	No Trend	0.0420	Same	0.7030	No Trend
RPPTF	Spring1	SPO4F	0.5992	0.000	No Trend	0.0325	0.000	No Trend	0.0270	Same	0.0802	No Trend
RPPTF	Spring1	BPO4F	0.8742	0.000	No Trend	0.0766	0.000	No Trend	0.1287	Same	0.0867	No Trend
RPPMH	Spring1	STN	0.0620	0.020	No Trend	0.4384	0.008	No Trend	0.7611	Same	0.1007	No Trend
RPPMH	Spring1	BTN	0.2062	0.021	No Trend	0.5261	0.005	No Trend	0.9032	Same	0.2240	No Trend
RPPMH	Spring1	SDIN	0.9516	0.000	No Trend	0.7511	0.001	No Trend	0.7374	Same	0.8310	No Trend
RPPMH	Spring1	BDIN	0.3968	0.005	No Trend	0.7247	-0.001	No Trend	0.4466	Same	0.8790	No Trend
RPPMH	Spring1	STP	0.1425	0.001	No Trend	0.1807	0.001	No Trend	0.6660	Same	0.0559	No Trend
RPPMH	Spring1	BTP	0.8550	0.000	No Trend	0.3598	0.001	No Trend	0.5023	Same	0.3603	No Trend
RPPMH	Spring1	SPO4F	0.1752	0.000	No Trend	0.1619	0.000	No Trend	0.0974	Same	0.2743	No Trend
RPPMH	Spring1	BPO4F		0.000		0.1620	0.000	No Trend	0.1620	Same	0.1620	No Trend
RPPOH	Spring1	STN	0.5880	0.017	No Trend	0.1497	0.017	No Trend	0.3957	Same	0.1263	No Trend
RPPOH	Spring1	BTN	0.8567	-0.003	No Trend	0.3035	0.007	No Trend	0.3245	Same	0.4756	No Trend
RPPOH	Spring1	SDIN	0.5079	-0.006	No Trend	0.7111	0.001	No Trend	0.4756	Same	0.9188	No Trend
RPPOH	Spring1	BDIN	0.1662	-0.016	No Trend	0.9672	0.001	No Trend	0.3957	Same	0.4346	No Trend
RPPOH	Spring1	STP	0.3346	0.006	No Trend	0.4651	0.001	No Trend	1.0000	Same	0.2341	No Trend
RPPOH	Spring1	BTP	0.0907	0.005	No Trend	1.0000	0.000	No Trend	0.3099	Same	0.3099	No Trend
RPPOH	Spring1	SPO4F	0.1745	0.000	No Trend	0.2105	0.000	No Trend	0.5956	Same	0.0812	No Trend
RPPOH	Spring1	BPO4F	0.2317	0.000	No Trend	0.1259	0.000	No Trend	0.4127	Same	0.0529	No Trend
CRRMH	Spring1	STN	0.5667	0.013	No Trend	0.9709	0.000	No Trend	0.7448	Same	0.7946	No Trend
CRRMH	Spring1	BTN	0.1521	0.020	No Trend	0.6613	0.003	No Trend	0.7697	Same	0.2831	No Trend
CRRMH	Spring1	SDIN	0.1621	-0.005	No Trend	0.7310	-0.001	No Trend	0.6561	Same	0.2988	No Trend
CRRMH	Spring1	BDIN	0.9419	0.000	No Trend	0.7399	0.000	No Trend	0.8287	Same	0.7184	No Trend
CRRMH	Spring1	STP	0.0442	0.001	No Trend	0.6214	0.000	No Trend	0.5155	Same	0.1348	No Trend
CRRMH	Spring1	BTP	0.4968	0.000	No Trend	0.5951	0.000	No Trend	0.4004	Same	0.9484	No Trend
CRRMH	Spring1	SPO4F	0.1752	0.000	No Trend	0.4558	0.000	No Trend	0.2989	Same	0.6722	No Trend
CRRMH	Spring1	BPO4F	0.1640	0.000	No Trend	0.3681	0.000	No Trend	0.1819	Same	0.7108	No Trend

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93		'07		'07		Trend	Comparison	Combined		Combined
			Trend	Slope	Trend	Slope	Trend	Slope	Trend	Slope	P value		Trend	P value	Trend
PIAMH	Spring1	STN	1.0000	0.0185	No	Trend	0.4313	-0.0030	No	Trend	0.4209	Same	0.4439	No	Trend
PIAMH	Spring1	BTN	0.2278	0.0420	No	Trend	0.3449	-0.0039	No	Trend	0.2981	Same	0.3985	No	Trend
PIAMH	Spring1	SDIN	1.0000	0.0000	High	BDLs	0.2818	-0.0009	High	BDLs	0.2736	Same	0.2914	No	Trend
PIAMH	Spring1	BDIN	0.7518	-0.0435	High	BDLs	0.1521	-0.0019	High	BDLs	0.1646	Same	0.1418	No	Trend
PIAMH	Spring1	STP	0.0704	0.0060	No	Trend	0.1295	-0.0002	No	Trend	0.0989	Same	0.1691	No	Trend
PIAMH	Spring1	BTP	0.2278	0.0045	No	Trend	0.1344	-0.0001	No	Trend	0.1114	Same	0.1629	No	Trend
PIAMH	Spring1	SPO4F	0.0455	0.0030	High	BDLs	0.3402	0.0000	High	BDLs	0.1309	Same	0.7371	No	Trend
PIAMH	Spring1	BPO4F	0.0455	0.0030	High	BDLs	.	0.0000	High	BDLs	0.0196	Same	0.0196	No	Trend
POCMH	Spring1	STN	0.2278	0.0903	No	Trend	0.4098	-0.0028	No	Trend	0.3596	Same	0.4659	No	Trend
POCMH	Spring1	BTN	0.0704	0.0768	No	Trend	0.7079	0.0013	No	Trend	0.8080	Same	0.6137	No	Trend
POCMH	Spring1	SDIN	1.0000	-0.0065	No	Trend	0.0232	-0.0032	No	Trend	0.0246	Same	0.0223	No	Trend
POCMH	Spring1	BDIN	1.0000	0.0028	No	Trend	0.0556	-0.0016	No	Trend	0.0538	Same	0.0586	No	Trend
POCMH	Spring1	STP	0.5465	0.0045	No	Trend	0.1440	-0.0004	No	Trend	0.1299	Same	0.1609	No	Trend
POCMH	Spring1	BTP	0.5465	0.0038	No	Trend	0.2163	-0.0003	No	Trend	0.1971	Same	0.2389	No	Trend
POCMH	Spring1	SPO4F	0.5403	0.0000	High	BDLs	0.9309	0.0000	High	BDLs	0.7967	Same	0.9316	No	Trend
POCMH	Spring1	BPO4F	0.1939	0.0000	High	BDLs	0.8063	0.0000	High	BDLs	0.6272	Same	1.0000	No	Trend
CB5MH	Spring1	STN	0.2278	0.1144	No	Trend	0.2027	-0.0061	No	Trend	0.1723	Same	0.2389	No	Trend
CB5MH	Spring1	BTN	0.5465	0.1183	No	Trend	0.5242	-0.0040	No	Trend	0.4891	Same	0.5622	No	Trend
CB5MH	Spring1	SDIN	1.0000	0.0574	No	Trend	0.2379	-0.0060	No	Trend	0.2314	Same	0.2463	No	Trend
CB5MH	Spring1	BDIN	1.0000	0.0235	No	Trend	0.3786	-0.0020	No	Trend	0.3694	Same	0.3897	No	Trend
CB5MH	Spring1	STP	1.0000	0.0005	No	Trend	0.0062	0.0002	Degrading		0.0067	Different	0.0060	Degrading	88
CB5MH	Spring1	BTP	0.0704	0.0046	No	Trend	0.0031	0.0004	Degrading		0.0048	Different	0.0020	Degrading	88
CB5MH	Spring1	SPO4F	.	0.0000	High	BDLs	.	0.0000	High	BDLs	.	.	.	.	.
CB5MH	Spring1	BPO4F	.	0.0000	High	BDLs	.	0.0000	High	BDLs	.	.	.	.	.
CB6PH	Spring1	STN	0.2278	.	No	Trend	0.1072	-0.0044	No	Trend	0.0889	Same	0.1299	No	Trend
CB6PH	Spring1	BTN	0.2278	0.0625	No	Trend	0.0431	-0.0051	No	Trend	0.0346	Same	0.0541	No	Trend
CB6PH	Spring1	SDIN	1.0000	-0.0073	No	Trend	0.5481	-0.0008	No	Trend	0.5615	Same	0.5365	No	Trend
CB6PH	Spring1	BDIN	1.0000	-0.0019	No	Trend	0.6938	-0.0004	No	Trend	0.7082	Same	0.6806	No	Trend
CB6PH	Spring1	STP	0.2278	0.0020	No	Trend	0.1434	-0.0001	No	Trend	0.1202	Same	0.1717	No	Trend
CB6PH	Spring1	BTP	0.2278	0.0015	No	Trend	0.5488	0.0001	No	Trend	0.6136	Same	0.4889	No	Trend
CB6PH	Spring1	SPO4F	0.1939	0.0000	High	BDLs	.	0.0000	High	BDLs	0.0833	Same	0.0833	No	Trend
CB6PH	Spring1	BPO4F	0.1939	0.0000	High	BDLs	.	0.0000	High	BDLs	0.0833	Same	0.0833	No	Trend
CB7PH	Spring1	STN	0.2278	0.0648	No	Trend	0.2611	-0.0037	No	Trend	0.2243	Same	0.3038	No	Trend
CB7PH	Spring1	BTN	0.2278	0.0653	No	Trend	0.0721	-0.0037	No	Trend	0.0590	Same	0.0889	No	Trend
CB7PH	Spring1	SDIN	0.5465	-0.0035	No	Trend	0.7331	0.0000	No	Trend	0.7767	Same	0.6913	No	Trend
CB7PH	Spring1	BDIN	0.5465	-0.0085	No	Trend	0.8795	0.0000	No	Trend	0.9247	Same	0.8352	No	Trend
CB7PH	Spring1	STP	1.0000	0.0005	No	Trend	0.0243	-0.0002	No	Trend	0.0235	Same	0.0258	No	Trend
CB7PH	Spring1	BTP	0.0704	0.0018	No	Trend	0.5868	-0.0001	No	Trend	0.5008	Same	0.6807	No	Trend
CB7PH	Spring1	SPO4F	0.1939	0.0000	High	BDLs	.	0.0000	High	BDLs	0.0833	Same	0.0833	No	Trend
CB7PH	Spring1	BPO4F	0.1939	0.0000	High	BDLs	.	0.0000	High	BDLs	0.0833	Same	0.0833	No	Trend
CB8PH	Spring1	STN	0.2278	0.0580	No	Trend	0.8557	0.0003	No	Trend	0.9357	Same	0.7778	No	Trend
CB8PH	Spring1	BTN	0.5465	0.0288	No	Trend	0.6940	0.0009	No	Trend	0.7386	Same	0.6516	No	Trend
CB8PH	Spring1	SDIN	0.5465	-0.0037	No	Trend	0.4569	0.0000	No	Trend	0.4223	Same	0.4952	No	Trend
CB8PH	Spring1	BDIN	0.2278	-0.0089	No	Trend	0.0599	0.0004	No	Trend	0.0479	Same	0.0757	No	Trend
CB8PH	Spring1	STP	0.0159	-0.0064	Improving		0.0002	-0.0004	Improving		0.0004	Different	0.0001	Improving	
CB8PH	Spring1	BTP	0.2278	-0.0089	No	Trend	0.1938	-0.0002	No	Trend	0.2308	Same	0.1631	No	Trend
CB8PH	Spring1	SPO4F	0.1939	0.0000	High	BDLs	.	0.0000	High	BDLs	0.0833	Same	0.0833	No	Trend
CB8PH	Spring1	BPO4F	0.1824	-0.0035	High	BDLs	0.0106	0.0000	High	BDLs	0.0212	Same	0.0058	Improving	

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93		'07		'07		Trend	Trend	Combined	Combined
			Trend	'93	Trend	Trend	'07	'07	Trend	Comparison	P value		Trend	
APPTF	Spring2	STN	0.0860	-0.015	No Trend	0.1909	0.008	No Trend	0.0391	Same	0.8906	No Trend		
APPTF	Spring2	BTN	0.1835	-0.019	No Trend	0.5037	0.005	No Trend	0.1925	Same	0.8673	No Trend		
APPTF	Spring2	SDIN	0.5249	0.004	No Trend	0.5794	0.005	No Trend	0.9197	Same	0.4008	No Trend		
APPTF	Spring2	BDIN	0.4103	0.005	No Trend	0.5006	0.004	No Trend	0.9197	Same	0.2978	No Trend		
APPTF	Spring2	STP	0.1097	-0.004	No Trend	0.4037	-0.001	No Trend	0.8961	Same	0.1171	No Trend		
APPTF	Spring2	BTP	0.1945	-0.002	No Trend	0.7042	-0.001	No Trend	0.7186	Same	0.3098	No Trend		
APPTF	Spring2	SPO4F	0.1747	0.000	No Trend	0.1910	0.000	No Trend	0.6354	Same	0.0674	No Trend		
APPTF	Spring2	BPO4F	0.0791	-0.002	No Trend	0.1674	0.000	No Trend	0.7364	Same	0.0369	No Trend		
JMSTF2	Spring2	STN	0.0047	-0.057	Improving	0.0622	0.012	No Trend	0.0020	Different	0.9253	Improving 85		
JMSTF2	Spring2	BTN	0.0000	-0.117	Improving	0.0335	0.019	No Trend	0.0000	Different	0.5473	Improving 85		
JMSTF2	Spring2	SDIN	0.0351	-0.024	No Trend	0.2048	0.008	No Trend	0.0286	Same	1.0000	No Trend		
JMSTF2	Spring2	BDIN	0.0010	-0.059	Improving	0.2141	0.008	No Trend	0.0059	Different	0.5474	Improving 85		
JMSTF2	Spring2	STP	0.0001	-0.012	Improving	0.5261	0.001	No Trend	0.0115	Same	0.1524	No Trend		
JMSTF2	Spring2	BTP	0.0000	-0.019	Improving	0.4218	0.001	No Trend	0.0029	Different	0.1134	Improving 85		
JMSTF2	Spring2	SPO4F	0.0000	-0.011	Improving	0.0165	-0.001	No Trend	0.9757	Same	0.0000	Improving		
JMSTF2	Spring2	BPO4F	0.0000	-0.016	Improving	0.0094	-0.001	Improving	0.9494	Same	0.0000	Improving		
JMSTF1	Spring2	STN	0.2054	-0.014	No Trend	0.0112	-0.016	No Trend	0.1283	Same	0.0042	Improving		
JMSTF1	Spring2	BTN	0.1134	-0.029	No Trend	0.0002	-0.036	Improving	0.0180	Same	0.0001	Improving		
JMSTF1	Spring2	SDIN	0.2054	-0.015	No Trend	0.2311	0.009	No Trend	0.0885	Same	0.7151	No Trend		
JMSTF1	Spring2	BDIN	0.1835	-0.017	No Trend	0.3424	0.006	No Trend	0.1289	Same	0.8993	No Trend		
JMSTF1	Spring2	STP	0.4219	0.000	No Trend	0.0618	-0.002	No Trend	0.2325	Same	0.0403	No Trend		
JMSTF1	Spring2	BTP	0.2505	0.002	No Trend	0.0000	-0.007	Improving	0.0000	Different	0.0021	Improving 95		
JMSTF1	Spring2	SPO4F	0.2399	-0.001	No Trend	0.1652	0.001	No Trend	0.0688	Same	0.5578	No Trend		
JMSTF1	Spring2	BPO4F	0.2567	0.000	No Trend	0.2552	0.001	No Trend	0.1151	Same	0.6759	No Trend		
CHKOH	Spring2	STN	0.0064	-0.055	Improving	0.1718	-0.007	No Trend	0.7200	Same	0.0262	No Trend		
CHKOH	Spring2	BTN	0.1289	-0.054	No Trend	0.0679	-0.014	No Trend	0.2258	Same	0.0245	No Trend		
CHKOH	Spring2	SDIN	0.8283	-0.005	No Trend	0.0127	0.005	No Trend	0.0137	Same	0.0241	No Trend		
CHKOH	Spring2	BDIN	0.8262	-0.003	No Trend	0.3379	0.002	No Trend	0.3110	Same	0.4176	No Trend		
CHKOH	Spring2	STP	0.4865	0.000	No Trend	0.4037	-0.001	No Trend	0.2955	Same	0.5884	No Trend		
CHKOH	Spring2	BTP	0.5102	0.003	No Trend	0.1653	-0.003	No Trend	0.1190	Same	0.2828	No Trend		
CHKOH	Spring2	SPO4F	0.1148	0.000	No Trend	0.0237	0.000	No Trend	0.0786	Same	0.0088	Improving		
CHKOH	Spring2	BPO4F	0.0084	-0.001	Improving	0.0481	0.000	No Trend	0.2385	Same	0.0084	Improving		
JMSOH	Spring2	STN	0.8567	-0.011	No Trend	0.7702	-0.001	No Trend	0.9006	Same	0.7079	No Trend		
JMSOH	Spring2	BTN	0.1324	0.030	No Trend	0.2733	-0.011	No Trend	0.0804	Same	0.9006	No Trend		
JMSOH	Spring2	SDIN	0.2777	-0.011	No Trend	0.1589	0.006	No Trend	0.0727	Same	0.5230	No Trend		
JMSOH	Spring2	BDIN	0.6295	-0.006	No Trend	0.2048	0.005	No Trend	0.1711	Same	0.4115	No Trend		
JMSOH	Spring2	STP	0.0090	0.007	Degrading	0.2448	-0.001	No Trend	0.0189	Same	0.7374	No Trend		
JMSOH	Spring2	BTP	0.0037	0.015	Degrading	0.0411	-0.005	No Trend	0.0011	Different	0.7841	Degrading 85		
JMSOH	Spring2	SPO4F	0.0652	0.001	No Trend	0.5959	0.000	No Trend	0.1644	Same	0.6430	No Trend		
JMSOH	Spring2	BPO4F	0.6549	0.000	No Trend	0.5966	0.000	No Trend	0.8288	Same	0.4775	No Trend		

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93		'07		'07		Trend		Combined	
			Trend	'93	Trend	Trend	'07	'07	Trend	Comparison	Trend	Comparison	Trend	Comparison
			P value	Slope	Direction	P value	Slope	Direction	P value	Comparison	P value	Comparison	P value	Direction
JMSMH	Spring2	STN	0.0047	0.030	Degrading	0.3598	0.003	No Trend	0.5036	Same	0.0245	No Trend	No Trend	No Trend
JMSMH	Spring2	BTN	0.0009	0.035	Degrading	0.8326	-0.001	No Trend	0.0594	Same	0.1285	No Trend	No Trend	No Trend
JMSMH	Spring2	SDIN	0.1846	0.008	No Trend	0.9157	0.000	No Trend	0.5423	Same	0.4283	No Trend	No Trend	No Trend
JMSMH	Spring2	BDIN	0.1619	0.010	No Trend	0.6725	-0.001	No Trend	0.2725	Same	0.7145	No Trend	No Trend	No Trend
JMSMH	Spring2	STP	0.0001	0.005	Degrading	0.6725	0.000	No Trend	0.0204	Same	0.1126	No Trend	No Trend	No Trend
JMSMH	Spring2	BTP	0.0008	0.005	Degrading	0.4811	0.001	No Trend	0.2727	Same	0.0206	No Trend	No Trend	No Trend
JMSMH	Spring2	SPO4F	0.0379	0.002	No Trend	0.9437	0.000	No Trend	0.3247	Same	0.2679	No Trend	No Trend	No Trend
JMSMH	Spring2	BPO4F	0.0075	0.002	Degrading	0.7772	0.000	No Trend	0.1149	Same	0.2792	No Trend	No Trend	No Trend
JMSPH	Spring2	STN	0.7634	0.003	No Trend	0.2597	-0.003	No Trend	0.2480	Same	0.4293	No Trend	No Trend	No Trend
JMSPH	Spring2	BTN	0.2528	0.013	No Trend	0.0782	0.007	No Trend	0.3618	Same	0.0333	No Trend	No Trend	No Trend
JMSPH	Spring2	SDIN	0.3960	0.005	No Trend	0.9438	0.000	No Trend	0.6921	Same	0.6046	No Trend	No Trend	No Trend
JMSPH	Spring2	BDIN	0.3235	0.001	No Trend	0.4811	0.001	No Trend	0.9269	Same	0.2577	No Trend	No Trend	No Trend
JMSPH	Spring2	STP	0.3329	0.001	No Trend	0.3598	0.000	No Trend	0.1905	Same	0.7841	No Trend	No Trend	No Trend
JMSPH	Spring2	BTP	0.7626	0.000	No Trend	0.8880	0.000	No Trend	0.7609	Same	0.9515	No Trend	No Trend	No Trend
JMSPH	Spring2	SPO4F	1.0000	0.000	No Trend	0.4793	0.000	No Trend	0.5367	Same	0.5367	No Trend	No Trend	No Trend
JMSPH	Spring2	BPO4F	0.7049	0.000	No Trend	0.2029	0.000	No Trend	0.1846	Same	0.3709	No Trend	No Trend	No Trend
ELIPH	Spring2	STN	0.2062	0.021	No Trend	0.1212	0.0073	No Trend	0.5036	Same	0.0448	No Trend	No Trend	No Trend
ELIPH	Spring2	BTN	0.0860	0.020	No Trend	0.0137	0.0101	No Trend	0.1956	Same	0.0025	Degrading	No Trend	Degrading
ELIPH	Spring2	SDIN	0.3836	0.006	No Trend	0.1807	0.0060	No Trend	0.4543	Same	0.1050	No Trend	No Trend	No Trend
ELIPH	Spring2	BDIN	0.1736	0.008	No Trend	0.0782	0.0066	No Trend	0.3223	Same	0.0276	No Trend	No Trend	No Trend
ELIPH	Spring2	STP	0.6196	0.000	No Trend	0.2906	-0.0004	No Trend	0.2322	Same	0.5200	No Trend	No Trend	No Trend
ELIPH	Spring2	BTP	0.0419	0.002	No Trend	0.6219	-0.0004	No Trend	0.1476	Same	0.5583	No Trend	No Trend	No Trend
ELIPH	Spring2	SPO4F	0.5268	0.000	No Trend	0.6718	0.0001	No Trend	0.4782	Same	0.9754	No Trend	No Trend	No Trend
ELIPH	Spring2	BPO4F	1.0000	0.000	No Trend	0.3782	0.0004	No Trend	0.4537	Same	0.4170	No Trend	No Trend	No Trend
PMKTF	Spring2	STN	0.2777	0.007	No Trend	0.0028	0.017	Degrading	0.0601	Same	0.0017	Degrading	No Trend	Degrading
PMKTF	Spring2	BTN	0.8094	0.002	No Trend	0.0481	0.010	No Trend	0.1514	Same	0.0743	No Trend	No Trend	No Trend
PMKTF	Spring2	SDIN	0.0809	0.010	No Trend	0.0019	0.013	Degrading	0.0779	Same	0.0003	Degrading	No Trend	Degrading
PMKTF	Spring2	BDIN	0.1471	0.010	No Trend	0.2245	0.006	No Trend	0.8220	Same	0.0669	No Trend	No Trend	No Trend
PMKTF	Spring2	STP	0.0326	0.003	No Trend	0.0142	0.002	No Trend	0.3519	Same	0.0012	Degrading	No Trend	Degrading
PMKTF	Spring2	BTP	0.0064	0.004	Degrading	0.0983	0.002	No Trend	0.8949	Same	0.0037	Degrading	No Trend	Degrading
PMKTF	Spring2	SPO4F	0.0329	0.000	No Trend	0.0003	-0.001	Improving	0.0245	Same	0.0000	Improving	No Trend	Improving
PMKTF	Spring2	BPO4F	0.4042	0.000	No Trend	0.0001	-0.001	Improving	0.0019	Different	0.0001	Improving 95	No Trend	Improving 95
PMKOH	Spring2	STN	0.0616	0.041	No Trend	0.2131	-0.013	No Trend	0.0376	Same	0.9745	No Trend	No Trend	No Trend
PMKOH	Spring2	BTN	0.3035	0.045	No Trend	0.2878	0.020	No Trend	0.7478	Same	0.1391	No Trend	No Trend	No Trend
PMKOH	Spring2	SDIN	0.0208	0.012	No Trend	1.0000	0.000	No Trend	0.2217	Same	0.2217	No Trend	No Trend	No Trend
PMKOH	Spring2	BDIN	0.1016	0.010	No Trend	0.7702	-0.001	No Trend	0.2601	Same	0.5316	No Trend	No Trend	No Trend
PMKOH	Spring2	STP	0.1012	0.006	No Trend	0.1289	-0.003	No Trend	0.0286	Same	0.6993	No Trend	No Trend	No Trend
PMKOH	Spring2	BTP	0.0291	0.020	No Trend	0.9686	0.000	No Trend	0.2099	Same	0.2349	No Trend	No Trend	No Trend
PMKOH	Spring2	SPO4F	0.3717	0.000	No Trend	0.0437	-0.001	No Trend	0.0259	Same	0.1936	No Trend	No Trend	No Trend
PMKOH	Spring2	BPO4F	1.0000	0.000	No Trend	0.0555	-0.001	No Trend	0.0946	Same	0.0828	No Trend	No Trend	No Trend

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93	'93	'07	'07	Trend Comparison	Trend	Combined	Combined		
			Trend P value	'93 Slope	Trend Direction	Trend P value					'07 Slope	Trend Direction
MPNTF	Spring2	STN	0.0090	0.013	Degrading	0.2729	0.007	No Trend	0.5661	Same	0.0165	No Trend
MPNTF	Spring2	BTN	0.1846	-0.017	No Trend	0.7350	0.002	No Trend	0.2830	Same	0.6034	No Trend
MPNTF	Spring2	SDIN	0.0389	0.008	No Trend	0.0013	0.013	Degrading	0.0972	Same	0.0001	Degrading
MPNTF	Spring2	BDIN	0.3346	0.005	No Trend	0.0058	0.010	Degrading	0.0778	Same	0.0040	Degrading
MPNTF	Spring2	STP	0.0201	0.002	No Trend	0.5816	0.000	No Trend	0.4234	Same	0.0828	No Trend
MPNTF	Spring2	BTP	0.7117	0.000	No Trend	0.8707	0.000	No Trend	0.9189	Same	0.7089	No Trend
MPNTF	Spring2	SPO4F	0.3126	0.000	No Trend	0.0003	-0.002	Improving	0.0002	Different	0.0075	Improving 95
MPNTF	Spring2	BPO4F	0.2459	0.000	No Trend	0.0021	-0.002	Improving	0.0456	Same	0.0011	Improving
MPNOH	Spring2	STN	0.0080	0.025	Degrading	0.0935	0.015	No Trend	0.8923	Same	0.0036	Degrading
MPNOH	Spring2	BTN	0.3062	0.025	No Trend	0.3520	-0.007	No Trend	0.1662	Same	0.8899	No Trend
MPNOH	Spring2	SDIN	0.0068	0.011	Degrading	0.3448	0.003	No Trend	0.5015	Same	0.0231	No Trend
MPNOH	Spring2	BDIN	0.0133	0.010	No Trend	0.4142	0.002	No Trend	0.4923	Same	0.0394	No Trend
MPNOH	Spring2	STP	0.0001	0.008	Degrading	0.9072	0.000	No Trend	0.0286	Same	0.0462	No Trend
MPNOH	Spring2	BTP	0.0296	0.009	No Trend	0.5338	-0.002	No Trend	0.0831	Same	0.4923	No Trend
MPNOH	Spring2	SPO4F	0.6523	0.000	No Trend	0.0368	-0.001	No Trend	0.0394	Same	0.1243	No Trend
MPNOH	Spring2	BPO4F	0.6126	0.000	No Trend	0.0461	-0.001	No Trend	0.0459	Same	0.1623	No Trend
YRKMH	Spring2	STN	0.0133	0.029	No Trend	0.8839	0.000	No Trend	0.2350	Same	0.1506	No Trend
YRKMH	Spring2	BTN	0.0620	0.027	No Trend	0.5104	-0.008	No Trend	0.1182	Same	0.6617	No Trend
YRKMH	Spring2	SDIN	0.5866	0.004	No Trend	0.7917	-0.001	No Trend	0.5864	Same	0.9235	No Trend
YRKMH	Spring2	BDIN	0.4652	0.003	No Trend	0.5714	-0.002	No Trend	0.3692	Same	0.9489	No Trend
YRKMH	Spring2	STP	0.0174	0.004	No Trend	0.3808	-0.001	No Trend	0.0450	Same	0.6162	No Trend
YRKMH	Spring2	BTP	0.5423	0.003	No Trend	1.0000	0.000	No Trend	0.7304	Same	0.7304	No Trend
YRKMH	Spring2	SPO4F	0.2731	0.000	No Trend	0.6211	0.000	No Trend	0.3402	Same	0.9493	No Trend
YRKMH	Spring2	BPO4F	0.1651	0.000	No Trend	0.6969	0.000	No Trend	0.3232	Same	0.7743	No Trend
YRKPH	Spring2	STN	0.0260	0.029	No Trend	0.2426	0.005	No Trend	0.8992	Same	0.0313	No Trend
YRKPH	Spring2	BTN	0.0021	0.059	Degrading	0.9127	0.000	No Trend	0.1823	Same	0.1263	No Trend
YRKPH	Spring2	SDIN	0.4285	0.002	No Trend	0.7413	0.000	No Trend	0.4625	Same	0.8611	No Trend
YRKPH	Spring2	BDIN	0.0606	0.007	No Trend	0.5968	-0.001	No Trend	0.1832	Same	0.7038	No Trend
YRKPH	Spring2	STP	0.0002	0.003	Degrading	0.3424	0.000	No Trend	0.0067	Different	0.2837	Degrading 85
YRKPH	Spring2	BTP	0.0076	0.004	Degrading	0.9418	0.000	No Trend	0.1415	Same	0.1786	No Trend
YRKPH	Spring2	SPO4F	0.3582	0.000	No Trend	0.6703	0.000	No Trend	1.0000	Same	0.4333	No Trend
YRKPH	Spring2	BPO4F	0.6762	0.000	No Trend	0.6972	0.000	No Trend	0.5797	Same	0.8706	No Trend
MOBPH	Spring2	STN	0.0704	0.0478	No Trend	0.0246	-0.0037	No Trend	0.0176	Same	0.0346	No Trend
MOBPH	Spring2	BTN	0.2278	0.0555	No Trend	0.0430	-0.0042	No Trend	0.0346	Same	0.0541	No Trend
MOBPH	Spring2	SDIN	0.5050	-0.0010	No Trend	0.4004	0.0000	No Trend	0.3691	Same	0.4348	No Trend
MOBPH	Spring2	BDIN	0.2278	-0.0070	No Trend	0.5247	0.0000	No Trend	0.4648	Same	0.5901	No Trend
MOBPH	Spring2	STP	0.0704	0.0035	No Trend	0.3685	-0.0001	No Trend	0.3037	Same	0.4433	No Trend
MOBPH	Spring2	BTP	0.2278	0.0053	No Trend	0.9701	0.0000	No Trend	0.9553	Same	0.8958	No Trend
MOBPH	Spring2	SPO4F	0.0771	0.0015	High BDLs	.	0.0000	High BDLs	0.0339	Same	0.0339	No Trend
MOBPH	Spring2	BPO4F	0.0771	0.0015	High BDLs	.	0.0000	High BDLs	0.0339	Same	0.0339	No Trend

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93 Trend	'93 Slope	'93 Trend	'07 Trend	'07 Slope	'07 Trend	Trend Comparison	Trend Comparison	Combined Trend	Combined Trend
			P value		Direction	P value		Direction	P value		P value	Direction
RPPTF	Spring2	STN	0.9520	0.005	No Trend	0.5730	0.005	No Trend	0.6704	Same	0.5842	No Trend
RPPTF	Spring2	BTN	0.5465	-0.016	No Trend	0.7511	-0.005	No Trend	0.9515	Same	0.5428	No Trend
RPPTF	Spring2	SDIN	0.1662	0.018	No Trend	0.4384	0.004	No Trend	0.9515	Same	0.1620	No Trend
RPPTF	Spring2	BDIN	0.0704	0.019	No Trend	0.5261	0.003	No Trend	0.6926	Same	0.1361	No Trend
RPPTF	Spring2	STP	0.2676	0.001	No Trend	0.2132	-0.001	No Trend	0.0953	Same	0.6369	No Trend
RPPTF	Spring2	BTP	0.1429	0.003	No Trend	0.1541	-0.001	No Trend	0.0448	Same	0.6607	No Trend
RPPTF	Spring2	SPO4F	0.2490	0.000	No Trend	0.0353	0.000	No Trend	0.0152	Same	0.1642	No Trend
RPPTF	Spring2	BPO4F	0.6045	0.000	No Trend	0.0191	0.000	No Trend	0.0178	Same	0.0633	No Trend
RPPMH	Spring2	STN	0.0026	0.026	Degrading	0.4811	0.005	No Trend	0.3458	Same	0.0308	No Trend
RPPMH	Spring2	BTN	0.0021	0.035	Degrading	0.6219	0.004	No Trend	0.2480	Same	0.0448	No Trend
RPPMH	Spring2	SDIN	0.6682	0.000	No Trend	0.8599	0.000	No Trend	0.6910	Same	0.9269	No Trend
RPPMH	Spring2	BDIN	0.5866	0.005	No Trend	0.5491	-0.002	No Trend	0.4111	Same	0.8312	No Trend
RPPMH	Spring2	STP	0.1051	0.001	No Trend	0.9438	0.000	No Trend	0.4576	Same	0.3862	No Trend
RPPMH	Spring2	BTP	0.6227	0.000	No Trend	0.4384	-0.001	No Trend	0.3434	Same	0.6911	No Trend
RPPMH	Spring2	SPO4F	0.1752	0.000	No Trend	0.6416	0.000	No Trend	0.4597	Same	0.8603	No Trend
RPPMH	Spring2	BPO4F		0.000		0.7469	0.000	No Trend	0.7469	Same	0.7469	No Trend
RPPOH	Spring2	STN	0.0470	0.038	No Trend	0.2245	0.011	No Trend	0.9488	Same	0.0341	No Trend
RPPOH	Spring2	BTN	0.2062	0.029	No Trend	0.2878	0.009	No Trend	0.8472	Same	0.1084	No Trend
RPPOH	Spring2	SDIN	0.3985	0.010	No Trend	0.7040	0.001	No Trend	0.8723	Same	0.4217	No Trend
RPPOH	Spring2	BDIN	1.0000	0.000	No Trend	0.7614	-0.002	No Trend	0.7973	Same	0.7973	No Trend
RPPOH	Spring2	STP	0.0620	0.010	No Trend	0.8438	0.000	No Trend	0.2226	Same	0.3735	No Trend
RPPOH	Spring2	BTP	0.0901	0.004	No Trend	0.7231	0.000	No Trend	0.5093	Same	0.2099	No Trend
RPPOH	Spring2	SPO4F	0.4671	0.000	No Trend	0.1538	0.000	No Trend	0.3204	Same	0.1026	No Trend
RPPOH	Spring2	BPO4F	0.3071	0.000	No Trend	0.0658	0.000	No Trend	0.2021	Same	0.0335	No Trend
CRRMH	Spring2	STN	0.1593	0.023	No Trend	0.6613	0.002	No Trend	0.7485	Same	0.2756	No Trend
CRRMH	Spring2	BTN	0.2519	0.017	No Trend	0.3808	0.003	No Trend	0.8199	Same	0.1823	No Trend
CRRMH	Spring2	SDIN	0.0220	-0.006	No Trend	0.3638	-0.001	No Trend	0.5948	Same	0.0402	No Trend
CRRMH	Spring2	BDIN	0.7734	-0.001	No Trend	0.6494	-0.001	No Trend	0.8298	Same	0.5664	No Trend
CRRMH	Spring2	STP	0.2122	0.001	No Trend	0.9394	0.000	No Trend	0.5374	Same	0.4553	No Trend
CRRMH	Spring2	BTP	0.4616	0.001	No Trend	0.7042	0.000	No Trend	0.4578	Same	0.9229	No Trend
CRRMH	Spring2	SPO4F	0.1752	0.000	No Trend	0.5294	0.000	No Trend	0.7580	Same	0.3553	No Trend
CRRMH	Spring2	BPO4F	0.0466	0.000	No Trend	0.9067	0.000	No Trend	0.5129	Same	0.3829	No Trend
PIAMH	Spring2	STN	0.0704	0.0220	No Trend	0.1298	-0.0040	No Trend	0.0984	Same	0.1705	No Trend
PIAMH	Spring2	BTN	0.2278	0.0370	No Trend	0.2880	-0.0034	No Trend	0.2467	Same	0.3360	No Trend
PIAMH	Spring2	SDIN	1.0000	0.0000	High BDLs	0.0667	-0.0015	High BDLs	0.0668	Same	0.0668	No Trend
PIAMH	Spring2	BDIN	0.4268	0.0000	High BDLs	0.4152	-0.0008	High BDLs	0.4507	Same	0.3825	No Trend
PIAMH	Spring2	STP	1.0000	0.0060	No Trend	0.4198	-0.0001	No Trend	0.4096	Same	0.4322	No Trend
PIAMH	Spring2	BTP	0.2278	0.0070	No Trend	0.3549	-0.0001	No Trend	0.3071	Same	0.4094	No Trend
PIAMH	Spring2	SPO4F	0.0771	0.0015	High BDLs	.	0.0000	High BDLs	0.0339	Same	0.0339	No Trend
PIAMH	Spring2	BPO4F	0.0771	0.0015	High BDLs	.	0.0000	High BDLs	0.0339	Same	0.0339	No Trend
POCMH	Spring2	STN	0.5465	0.0615	No Trend	.	.	.	.	.	.	.
POCMH	Spring2	BTN	0.2278	0.0755	No Trend	0.3300	-0.0035	No Trend	0.2866	Same	0.3796	No Trend
POCMH	Spring2	SDIN	0.5465	-0.0120	No Trend	0.0133	-0.0016	No Trend	0.0157	Same	0.0115	No Trend
POCMH	Spring2	BDIN	1.0000	-0.0138	No Trend	0.0256	-0.0011	No Trend	0.0272	Same	0.0247	No Trend
POCMH	Spring2	STP	0.0704	0.0045	No Trend	0.3118	-0.0003	No Trend	0.2541	Same	0.3796	No Trend
POCMH	Spring2	BTP	0.3428	0.0033	No Trend	0.1440	-0.0003	No Trend	0.1252	Same	0.1664	No Trend
POCMH	Spring2	SPO4F	0.5403	0.0000	High BDLs	.	0.0000	High BDLs	0.2207	Same	0.2207	No Trend
POCMH	Spring2	BPO4F	0.5403	0.0000	High BDLs	0.9309	0.0000	High BDLs	0.7967	Same	0.9316	No Trend

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93 Trend	'93 Slope	'93 Trend	'07 Trend	'07 Slope	'07 Trend	Trend Comparison	Trend Comparison	Combined Trend	Combined Trend
			P value		Direction	P value		Direction	P value		P value	Direction
CB5MH	Spring2	STN	0.0704	0.0951	No Trend	0.1898	-0.0040	No Trend	0.1500	Same	0.2389	No Trend
CB5MH	Spring2	BTN	0.0704	0.1183	No Trend	0.4314	-0.0034	No Trend	0.3596	Same	0.5129	No Trend
CB5MH	Spring2	SDIN	1.0000	0.0059	No Trend	0.2163	-0.0030	No Trend	0.2103	Same	0.2243	No Trend
CB5MH	Spring2	BDIN	1.0000	0.0231	No Trend	0.2455	-0.0026	No Trend	0.2389	Same	0.2541	No Trend
CB5MH	Spring2	STP	0.2278	0.0028	No Trend	0.0010	0.0002	Degrading	0.0014	Different	0.0007	Degrading 88
CB5MH	Spring2	BTP	0.0704	0.0059	No Trend	0.0001	0.0005	Degrading	0.0002	Different	0.0001	Degrading 88
CB5MH	Spring2	SPO4F	.	0.0000	High BDLs	.	0.0000	High BDLs	.	.	.	.
CB5MH	Spring2	BPO4F	0.5403	0.0000	High BDLs	0.6736	0.0000	High BDLs	0.5998	Same	0.7529	No Trend
CB6PH	Spring2	STN	0.2278	0.0919	No Trend	0.1245	-0.0037	No Trend	0.1038	Same	0.1500	No Trend
CB6PH	Spring2	BTN	0.2278	0.0525	No Trend	0.0918	-0.0037	No Trend	0.0757	Same	0.1120	No Trend
CB6PH	Spring2	SDIN	0.5465	-0.0060	No Trend	0.7918	0.0000	No Trend	0.7490	Same	0.8360	No Trend
CB6PH	Spring2	BDIN	0.5465	-0.0080	No Trend	0.8220	-0.0001	No Trend	0.8663	Same	0.7790	No Trend
CB6PH	Spring2	STP	0.5465	0.0009	No Trend	0.2942	-0.0001	No Trend	0.2700	Same	0.3217	No Trend
CB6PH	Spring2	BTP	0.0704	0.0023	No Trend	0.0847	0.0002	No Trend	0.1118	Same	0.0640	No Trend
CB6PH	Spring2	SPO4F	0.1939	0.0000	High BDLs	.	0.0000	High BDLs	0.0833	Same	0.0833	No Trend
CB6PH	Spring2	BPO4F	0.1939	0.0000	High BDLs	0.8332	0.0000	High BDLs	0.6758	Same	1.0000	No Trend
CB7PH	Spring2	STN	0.5465	0.0515	No Trend	0.2163	-0.0024	No Trend	0.1971	Same	0.2389	No Trend
CB7PH	Spring2	BTN	0.5465	0.0336	No Trend	0.3489	-0.0015	No Trend	0.3217	Same	0.3795	No Trend
CB7PH	Spring2	SDIN	0.3428	-0.0085	No Trend	0.4298	0.0000	No Trend	0.3871	Same	0.4770	No Trend
CB7PH	Spring2	BDIN	0.5465	-0.0110	No Trend	0.6503	0.0000	No Trend	0.6107	Same	0.6921	No Trend
CB7PH	Spring2	STP	0.5465	0.0008	No Trend	0.0844	-0.0001	No Trend	0.0754	Same	0.0957	No Trend
CB7PH	Spring2	BTP	0.0159	0.0020	Degrading	0.7931	0.0000	No Trend	0.6671	Same	0.9255	No Trend
CB7PH	Spring2	SPO4F	0.5403	0.0000	High BDLs	.	0.0000	High BDLs	0.2207	Same	0.2207	No Trend
CB7PH	Spring2	BPO4F	0.1939	0.0000	High BDLs	0.3995	0.0000	High BDLs	0.2958	Same	0.5305	No Trend
CB8PH	Spring2	STN	0.5465	0.0325	No Trend	0.2881	0.0017	No Trend	0.3168	Same	0.2632	No Trend
CB8PH	Spring2	BTN	1.0000	0.0288	No Trend	0.2080	0.0026	No Trend	0.2162	Same	0.2020	No Trend
CB8PH	Spring2	SDIN	0.7119	0.0000	High BDLs	0.0151	0.0009	High BDLs	0.0136	Same	0.0170	No Trend
CB8PH	Spring2	BDIN	0.0704	-0.0084	High BDLs	0.0070	0.0007	Degrading	0.0047	Different	0.0107	Degrading 88
CB8PH	Spring2	STP	0.0159	-0.0064	Improving	0.0111	-0.0002	No Trend	0.0184	Same	0.0067	Improving
CB8PH	Spring2	BTP	0.0704	-0.0113	No Trend	0.1294	-0.0002	No Trend	0.1689	Same	0.0988	No Trend
CB8PH	Spring2	SPO4F	0.5403	0.0000	High BDLs	0.1934	0.0000	High BDLs	0.2644	Same	0.1444	No Trend
CB8PH	Spring2	BPO4F	0.3428	-0.0034	High BDLs	0.0000	0.0000	High BDLs	0.0000	Different	0.0000	No Trend*
APPTF	Summer1	STN	0.0759	-0.042	No Trend	0.9744	-0.001	No Trend	0.3526	Same	0.3250	No Trend
APPTF	Summer1	BTN	0.0854	-0.035	No Trend	0.3520	-0.008	No Trend	0.8913	Same	0.0851	No Trend
APPTF	Summer1	SDIN	0.5997	-0.004	No Trend	0.3747	-0.005	No Trend	0.6677	Same	0.2897	No Trend
APPTF	Summer1	BDIN	0.2730	-0.008	No Trend	0.3716	-0.007	No Trend	0.8889	Same	0.1708	No Trend
APPTF	Summer1	STP	0.9162	0.000	No Trend	0.6253	0.000	No Trend	0.7314	Same	0.6159	No Trend
APPTF	Summer1	BTP	0.1255	0.003	No Trend	0.2997	-0.002	No Trend	0.0909	Same	0.9158	No Trend
APPTF	Summer1	SPO4F	0.1516	0.000	No Trend	0.1325	-0.001	No Trend	0.5336	Same	0.0424	No Trend
APPTF	Summer1	BPO4F	0.0325	-0.001	No Trend	0.1173	0.000	No Trend	0.7463	Same	0.0153	No Trend
JMSTF2	Summer1	STN	0.0006	-0.073	Improving	0.1082	0.013	No Trend	0.0016	Different	0.6989	Improving 85
JMSTF2	Summer1	BTN	0.0000	-0.139	Improving	0.0583	0.013	No Trend	0.0000	Different	0.4347	Improving 85
JMSTF2	Summer1	SDIN	0.0041	-0.032	Improving	0.2896	-0.005	No Trend	0.5621	Same	0.0163	No Trend
JMSTF2	Summer1	BDIN	0.0000	-0.068	Improving	0.2896	-0.008	No Trend	0.2528	Same	0.0028	Improving
JMSTF2	Summer1	STP	0.0002	-0.016	Improving	0.2224	0.001	No Trend	0.0034	Different	0.4135	Improving 85
JMSTF2	Summer1	BTP	0.0000	-0.023	Improving	0.0281	0.003	No Trend	0.0000	Different	0.7901	Improving 85
JMSTF2	Summer1	SPO4F	0.0001	-0.013	Improving	0.0023	-0.002	Improving	0.5098	Same	0.0000	Improving
JMSTF2	Summer1	BPO4F	0.0000	-0.019	Improving	0.0013	-0.002	Improving	0.4714	Same	0.0000	Improving

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93		'07		'07		Trend		Combined	Combined
			Trend	'93	Trend	Trend	'07	'07	Trend	Comparison	Trend	Comparison	Trend	Trend
			P value	Slope	Direction	P value	Slope	Direction	P value	Comparison	P value	Direction	P value	Direction
JMSTF1	Summer1	STN	0.1593	-0.031	No Trend	0.0432	-0.013	No Trend	0.3388	Same	0.0129	No Trend		
JMSTF1	Summer1	BTN	0.5664	-0.018	No Trend	0.0018	-0.025	Improving	0.0228	Same	0.0031	Improving		
JMSTF1	Summer1	SDIN	0.0021	-0.030	Improving	0.0890	0.017	No Trend	0.0020	Different	0.8482	Improving 85		
JMSTF1	Summer1	BDIN	0.0015	-0.035	Improving	0.0540	0.021	No Trend	0.0007	Different	0.8872	Improving 85		
JMSTF1	Summer1	STP	0.0259	0.004	No Trend	0.0718	-0.002	No Trend	0.0070	Different	0.6721	No Trend*		
JMSTF1	Summer1	BTP	0.0002	0.008	Degrading	0.0007	-0.006	Improving	0.0000	Different	0.3796	--		
JMSTF1	Summer1	SPO4F	0.2344	-0.001	No Trend	0.0801	0.001	No Trend	0.0327	Same	0.3641	No Trend		
JMSTF1	Summer1	BPO4F	0.3439	0.000	No Trend	0.1947	0.001	No Trend	0.1042	Same	0.5377	No Trend		
CHKOH	Summer1	STN	0.2220	-0.044	No Trend	0.1124	-0.007	No Trend	0.2888	Same	0.0531	No Trend		
CHKOH	Summer1	BTN	0.5071	-0.035	No Trend	0.1368	-0.009	No Trend	0.2481	Same	0.0981	No Trend		
CHKOH	Summer1	SDIN	0.5538	0.000	No Trend	0.0346	0.001	No Trend	0.0260	Same	0.0659	No Trend		
CHKOH	Summer1	BDIN	0.5135	0.000	No Trend	0.2405	0.000	No Trend	0.1792	Same	0.3650	No Trend		
CHKOH	Summer1	STP	0.1594	0.002	No Trend	0.0644	-0.001	No Trend	0.0268	Same	0.1879	No Trend		
CHKOH	Summer1	BTP	0.2972	0.009	No Trend	0.0793	-0.003	No Trend	0.0431	Same	0.1906	No Trend		
CHKOH	Summer1	SPO4F	0.7165	0.000	No Trend	0.2673	0.000	No Trend	0.2361	Same	0.3161	No Trend		
CHKOH	Summer1	BPO4F	0.7822	0.000	No Trend	0.4036	0.000	No Trend	0.4688	Same	0.3651	No Trend		
JMSOH	Summer1	STN	0.4324	-0.005	No Trend	0.8974	0.000	No Trend	0.7419	Same	0.5831	No Trend		
JMSOH	Summer1	BTN	0.2305	0.021	No Trend	0.9743	-0.001	No Trend	0.4930	Same	0.5282	No Trend		
JMSOH	Summer1	SDIN	0.0027	-0.019	Improving	0.9440	0.000	No Trend	0.0796	Same	0.1018	No Trend		
JMSOH	Summer1	BDIN	0.0041	-0.017	Improving	0.6992	-0.001	No Trend	0.1899	Same	0.0510	No Trend		
JMSOH	Summer1	STP	0.0022	0.006	Degrading	0.6382	0.000	No Trend	0.2359	Same	0.0462	No Trend		
JMSOH	Summer1	BTP	0.0048	0.008	Degrading	0.8509	0.000	No Trend	0.1013	Same	0.1881	No Trend		
JMSOH	Summer1	SPO4F	0.0316	0.001	No Trend	0.3794	0.000	No Trend	0.7246	Same	0.0614	No Trend		
JMSOH	Summer1	BPO4F	0.1324	0.001	No Trend	0.5501	0.000	No Trend	0.7861	Same	0.1926	No Trend		
JMSMH	Summer1	STN	0.5988	0.005	No Trend	0.9003	0.000	No Trend	0.6990	Same	0.8684	No Trend		
JMSMH	Summer1	BTN	0.0473	0.016	No Trend	0.7069	-0.003	No Trend	0.1945	Same	0.5255	No Trend		
JMSMH	Summer1	SDIN	0.8145	-0.001	No Trend	0.9439	0.000	No Trend	0.9278	Same	0.8326	No Trend		
JMSMH	Summer1	BDIN	0.8594	0.000	No Trend	0.5966	0.001	No Trend	0.5639	Same	0.7291	No Trend		
JMSMH	Summer1	STP	0.0012	0.004	Degrading	0.7143	0.000	No Trend	0.1863	Same	0.0504	No Trend		
JMSMH	Summer1	BTP	0.0002	0.005	Degrading	0.9757	0.000	No Trend	0.0607	Same	0.0538	No Trend		
JMSMH	Summer1	SPO4F	0.0068	0.003	Degrading	0.1692	0.000	No Trend	0.8530	Same	0.0102	No Trend		
JMSMH	Summer1	BPO4F	0.0157	0.002	No Trend	0.1260	0.001	No Trend	0.8937	Same	0.0111	No Trend		
JMSPH	Summer1	STN	0.7152	0.002	No Trend	0.8547	0.000	No Trend	0.9580	Same	0.7123	No Trend		
JMSPH	Summer1	BTN	0.7152	-0.005	No Trend	0.1680	0.003	No Trend	0.1626	Same	0.3337	No Trend		
JMSPH	Summer1	SDIN	0.8323	0.000	No Trend	0.0019	0.002	Degrading	0.0047	Different	0.0104	Degrading 95		
JMSPH	Summer1	BDIN	0.9578	0.000	No Trend	0.2464	0.001	No Trend	0.2905	Same	0.3414	No Trend		
JMSPH	Summer1	STP	0.7535	0.000	No Trend	0.2464	0.000	No Trend	0.4139	Same	0.2356	No Trend		
JMSPH	Summer1	BTP	0.3755	0.001	No Trend	0.2855	0.000	No Trend	0.1628	Same	0.6543	No Trend		
JMSPH	Summer1	SPO4F	0.9161	0.000	No Trend	0.0813	0.001	No Trend	0.1125	Same	0.1532	No Trend		
JMSPH	Summer1	BPO4F	0.7938	0.000	No Trend	0.6037	0.000	No Trend	0.7718	Same	0.5443	No Trend		

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93	'07	'07	'07	Trend	Comparison	Combined	
			Trend	Slope	Trend	Trend	Slope	Direction	P value	Comparison	Trend	Direction
ELIPH	Summer1	STN	0.2508	0.010	No Trend	0.2464	0.0064	No Trend	0.6928	Same	0.1082	No Trend
ELIPH	Summer1	BTN	0.3755	0.006	No Trend	0.0381	0.0067	No Trend	0.1880	Same	0.0236	No Trend
ELIPH	Summer1	SDIN	0.7592	0.001	No Trend	0.0173	0.0108	No Trend	0.0493	Same	0.0218	No Trend
ELIPH	Summer1	BDIN	0.8066	0.003	No Trend	0.0173	0.0084	No Trend	0.0463	Same	0.0235	No Trend
ELIPH	Summer1	STP	0.7890	0.000	No Trend	0.2001	0.0010	No Trend	0.2033	Same	0.3400	No Trend
ELIPH	Summer1	BTP	0.7519	0.000	No Trend	0.6693	-0.0004	No Trend	0.8534	Same	0.5793	No Trend
ELIPH	Summer1	SPO4F	0.7469	0.000	No Trend	0.0931	0.0008	No Trend	0.0997	Same	0.2025	No Trend
ELIPH	Summer1	BPO4F	0.4892	0.000	No Trend	0.0671	0.0011	No Trend	0.2233	Same	0.0501	No Trend
PMKTF	Summer1	STN	0.1907	-0.011	No Trend	0.7923	0.002	No Trend	0.3134	Same	0.5616	No Trend
PMKTF	Summer1	BTN	0.7944	-0.005	No Trend	0.3498	-0.010	No Trend	0.5743	Same	0.3492	No Trend
PMKTF	Summer1	SDIN	0.6754	-0.007	No Trend	0.4326	0.002	No Trend	0.3604	Same	0.6890	No Trend
PMKTF	Summer1	BDIN	0.6762	-0.005	No Trend	0.7588	0.002	No Trend	0.6072	Same	1.0000	No Trend
PMKTF	Summer1	STP	0.1543	0.002	No Trend	0.9440	0.000	No Trend	0.4471	Same	0.3804	No Trend
PMKTF	Summer1	BTP	0.0455	0.005	No Trend	0.1063	-0.001	No Trend	0.0130	Same	0.8380	No Trend
PMKTF	Summer1	SPO4F	0.0174	-0.001	No Trend	0.0017	-0.001	Improving	0.1465	Same	0.0001	Improving
PMKTF	Summer1	BPO4F	0.1239	-0.001	No Trend	0.0004	-0.001	Improving	0.0256	Same	0.0001	Improving
PMKOH	Summer1	STN	0.0004	0.030	Degrading	0.2951	-0.011	No Trend	0.0038	Different	0.2422	Degrading 85
PMKOH	Summer1	BTN	0.0130	0.050	No Trend	0.1348	-0.012	No Trend	0.0081	Different	0.8761	No Trend*
PMKOH	Summer1	SDIN	0.8273	0.000	No Trend	0.2315	-0.002	No Trend	0.4051	Same	0.2539	No Trend
PMKOH	Summer1	BDIN	0.6917	-0.003	No Trend	0.5057	-0.002	No Trend	0.7568	Same	0.4208	No Trend
PMKOH	Summer1	STP	0.1402	0.005	No Trend	0.0144	-0.003	No Trend	0.0039	Different	0.2075	No Trend*
PMKOH	Summer1	BTP	0.2764	0.010	No Trend	0.4085	-0.002	No Trend	0.1937	Same	0.9100	No Trend
PMKOH	Summer1	SPO4F	0.0017	0.002	Degrading	0.3027	0.000	No Trend	0.4548	Same	0.0118	No Trend
PMKOH	Summer1	BPO4F	0.1393	0.001	No Trend	0.2732	0.000	No Trend	0.8394	Same	0.0876	No Trend
MPNTF	Summer1	STN	0.0602	-0.021	No Trend	0.3692	-0.005	No Trend	0.5966	Same	0.0551	No Trend
MPNTF	Summer1	BTN	0.0929	-0.013	No Trend	0.2483	-0.006	No Trend	0.8667	Same	0.0476	No Trend
MPNTF	Summer1	SDIN	0.5311	0.003	No Trend	0.5389	0.002	No Trend	0.8864	Same	0.3758	No Trend
MPNTF	Summer1	BDIN	0.9133	0.000	No Trend	0.4604	0.002	No Trend	0.4785	Same	0.5950	No Trend
MPNTF	Summer1	STP	0.0674	0.001	No Trend	0.0565	-0.002	No Trend	0.0086	Different	0.5749	No Trend*
MPNTF	Summer1	BTP	0.6217	0.001	No Trend	0.1091	-0.001	No Trend	0.1014	Same	0.3024	No Trend
MPNTF	Summer1	SPO4F	0.7780	0.000	No Trend	0.0000	-0.002	Improving	0.0002	Different	0.0007	Improving 95
MPNTF	Summer1	BPO4F	0.2060	0.000	No Trend	0.0001	-0.002	Improving	0.0069	Different	0.0000	Improving 95
MPNOH	Summer1	STN	0.0017	0.030	Degrading	0.7723	0.003	No Trend	0.0874	Same	0.0300	No Trend
MPNOH	Summer1	BTN	0.3379	0.023	No Trend	0.1075	-0.011	No Trend	0.0577	Same	0.4843	No Trend
MPNOH	Summer1	SDIN	0.4148	0.004	No Trend	0.6585	-0.002	No Trend	0.3933	Same	0.9029	No Trend
MPNOH	Summer1	BDIN	0.8208	-0.001	No Trend	0.7255	0.001	No Trend	0.6544	Same	0.8814	No Trend
MPNOH	Summer1	STP	0.0023	0.005	Degrading	0.5849	-0.001	No Trend	0.0318	Same	0.2183	No Trend
MPNOH	Summer1	BTP	0.2769	0.004	No Trend	0.8112	-0.001	No Trend	0.4184	Same	0.6858	No Trend
MPNOH	Summer1	SPO4F	0.0123	0.001	No Trend	0.8106	0.000	No Trend	0.1176	Same	0.2464	No Trend
MPNOH	Summer1	BPO4F	0.0130	0.001	No Trend	0.4303	0.000	No Trend	0.0462	Same	0.5190	No Trend

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93 Trend	'93 Slope	'93 Trend	'07 Trend	'07 Slope	'07 Trend	Trend Comparison	Trend Comparison	Combined Trend	Combined Trend
			P value		Direction	P value		Direction	P value		P value	Direction
YRKM	Summer1	STN	0.0299	0.033	No Trend	0.8049	-0.002	No Trend	0.1556	Same	0.3144	No Trend
YRKM	Summer1	BTN	0.0319	0.028	No Trend	0.4445	-0.005	No Trend	0.0664	Same	0.5818	No Trend
YRKM	Summer1	SDIN	0.0713	-0.005	No Trend	0.9379	0.000	No Trend	0.2537	Same	0.3103	No Trend
YRKM	Summer1	BDIN	0.1900	-0.003	No Trend	0.7865	-0.001	No Trend	0.5863	Same	0.3210	No Trend
YRKM	Summer1	STP	0.0011	0.007	Degrading	0.1169	-0.001	No Trend	0.0023	Different	0.7263	Degrading 85
YRKM	Summer1	BTP	0.0070	0.008	Degrading	0.7965	0.000	No Trend	0.1067	Same	0.2427	No Trend
YRKM	Summer1	SPO4F	0.0011	0.003	Degrading	0.2710	0.000	No Trend	0.4792	Same	0.0090	Degrading
YRKM	Summer1	BPO4F	0.0013	0.003	Degrading	0.0098	0.001	Degrading	0.5373	Same	0.0001	Degrading
YRKP	Summer1	STN	0.0311	0.026	No Trend	0.0272	0.004	No Trend	0.5020	Same	0.0023	Degrading
YRKP	Summer1	BTN	0.0039	0.044	Degrading	0.6120	0.003	No Trend	0.2666	Same	0.0483	No Trend
YRKP	Summer1	SDIN	1.0000	0.000	No Trend	0.8811	0.000	No Trend	0.8999	Same	0.8999	No Trend
YRKP	Summer1	BDIN	0.2596	0.005	No Trend	1.0000	0.000	No Trend	0.5719	Same	0.5719	No Trend
YRKP	Summer1	STP	0.0054	0.003	Degrading	0.2614	-0.001	No Trend	0.0155	Same	0.6204	No Trend
YRKP	Summer1	BTP	0.0002	0.004	Degrading	0.4224	-0.001	No Trend	0.0090	Different	0.2163	Degrading 85
YRKP	Summer1	SPO4F	0.0114	0.001	No Trend	0.5189	0.000	No Trend	0.4526	Same	0.0623	No Trend
YRKP	Summer1	BPO4F	0.0657	0.001	No Trend	0.8978	0.000	No Trend	0.3920	Same	0.2815	No Trend
MOBP	Summer1	STN	0.4334	-0.0223	No Trend	0.0114	-0.0030	No Trend	0.0139	Same	0.0096	Improving
MOBP	Summer1	BTN	0.0676	-0.0231	No Trend	0.0006	-0.0045	Improving	0.0010	Different	0.0004	Improving 88
MOBP	Summer1	SDIN	0.2793	-0.0015	No Trend	0.0446	0.0000	No Trend	0.0363	Same	0.0554	No Trend
MOBP	Summer1	BDIN	0.7940	-0.0045	No Trend	0.1128	0.0006	No Trend	0.1063	Same	0.1212	No Trend
MOBP	Summer1	STP	0.7940	0.0023	No Trend	0.1579	-0.0002	No Trend	0.1494	Same	0.1685	No Trend
MOBP	Summer1	BTP	0.7940	0.0024	No Trend	0.0978	-0.0002	No Trend	0.0920	Same	0.1052	No Trend
MOBP	Summer1	SPO4F	0.2416	0.0023	High BDLs	0.4761	0.0000	High BDLs	0.6518	Same	0.3407	No Trend
MOBP	Summer1	BPO4F	0.5885	0.0015	High BDLs	0.2381	0.0000	High BDLs	0.2731	Same	0.2104	No Trend
RPPT	Summer1	STN	0.3220	0.013	No Trend	0.0994	-0.008	No Trend	0.0513	Same	0.3705	No Trend
RPPT	Summer1	BTN	0.5664	-0.007	No Trend	0.0055	-0.014	Improving	0.0375	Same	0.0067	Improving
RPPT	Summer1	SDIN	0.0837	0.022	No Trend	0.1127	-0.013	No Trend	0.0234	Same	0.6351	No Trend
RPPT	Summer1	BDIN	0.0409	0.020	No Trend	0.0623	-0.011	No Trend	0.0077	Different	0.5793	No Trend*
RPPT	Summer1	STP	0.2358	0.001	No Trend	0.0258	-0.001	No Trend	0.0107	Same	0.1839	No Trend
RPPT	Summer1	BTP	0.1884	0.002	No Trend	0.0326	-0.001	No Trend	0.0112	Same	0.2453	No Trend
RPPT	Summer1	SPO4F	0.5726	0.000	No Trend	0.0076	-0.001	Improving	0.0069	Different	0.0282	Improving 95
RPPT	Summer1	BPO4F	0.8328	0.000	No Trend	0.0027	-0.001	Improving	0.0041	Different	0.0082	Improving 95
RPPM	Summer1	STN	0.0179	0.021	No Trend	0.7143	-0.001	No Trend	0.1259	Same	0.3696	No Trend
RPPM	Summer1	BTN	0.0003	0.031	Degrading	0.3441	-0.003	No Trend	0.0072	Different	0.2918	Degrading 85
RPPM	Summer1	SDIN	0.0052	-0.007	Improving	0.2199	0.000	No Trend	0.0151	Same	0.7871	No Trend
RPPM	Summer1	BDIN	0.1044	-0.003	No Trend	0.4827	0.001	No Trend	0.1511	Same	0.8316	No Trend
RPPM	Summer1	STP	0.0014	0.002	Degrading	0.0509	-0.001	No Trend	0.0010	Different	0.9153	Degrading 85
RPPM	Summer1	BTP	0.0661	0.002	No Trend	0.0019	-0.001	Improving	0.0003	Different	0.0751	Improving 95
RPPM	Summer1	SPO4F	0.4137	0.000	No Trend	0.6202	0.000	No Trend	0.4725	Same	0.8107	No Trend
RPPM	Summer1	BPO4F	0.1238	0.000	No Trend	0.7591	0.000	No Trend	0.8163	Same	0.4161	No Trend
RPPO	Summer1	STN	0.0237	0.037	No Trend	0.4641	0.003	No Trend	0.5977	Same	0.0727	No Trend
RPPO	Summer1	BTN	0.0005	0.051	Degrading	0.4277	0.006	No Trend	0.2998	Same	0.0156	No Trend
RPPO	Summer1	SDIN	0.1950	-0.006	No Trend	0.3881	0.000	No Trend	0.9561	Same	0.1526	No Trend
RPPO	Summer1	BDIN	0.0903	-0.007	No Trend	0.7267	0.000	No Trend	0.5797	Same	0.2449	No Trend
RPPO	Summer1	STP	0.0135	0.005	No Trend	0.4455	-0.001	No Trend	0.0540	Same	0.5438	No Trend
RPPO	Summer1	BTP	0.0024	0.008	Degrading	0.8725	0.000	No Trend	0.1509	Same	0.0868	No Trend
RPPO	Summer1	SPO4F	0.6171	0.000	No Trend	0.0088	0.000	Improving	0.0073	Different	0.0200	Improving 95
RPPO	Summer1	BPO4F	1.0000	0.000	No Trend	0.0061	0.000	Improving	0.0078	Different	0.0093	Improving 95

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93 Trend	'93 Slope	'93 Trend	'07 Trend	'07 Slope	'07 Trend	Trend Comparison	Trend Comparison	Combined Trend	Combined Trend
			P value		Direction	P value		Direction	P value		P value	Direction
CRRMH	Summer1	STN	0.3916	0.011	No Trend	0.0282	0.006	No Trend	0.1362	Same	0.0180	No Trend
CRRMH	Summer1	BTN	0.0803	0.025	No Trend	0.2459	-0.005	No Trend	0.0648	Same	0.8174	No Trend
CRRMH	Summer1	SDIN	0.0006	-0.006	Improving	0.0685	0.000	High BDLs	0.5467	Same	0.0004	Improving
CRRMH	Summer1	BDIN	0.0183	-0.005	No Trend	0.4052	-0.001	No Trend	0.6785	Same	0.0599	No Trend
CRRMH	Summer1	STP	0.0113	0.001	No Trend	0.4447	0.000	No Trend	0.4946	Same	0.0464	No Trend
CRRMH	Summer1	BTP	0.0037	0.003	Degrading	0.0711	-0.001	No Trend	0.0021	Different	0.9779	Degrading 85
CRRMH	Summer1	SPO4F	0.0828	0.000	No Trend	0.3740	0.000	No Trend	0.1470	Same	0.8215	No Trend
CRRMH	Summer1	BPO4F	0.9315	0.000	No Trend	0.0428	0.000	No Trend	0.0506	Same	0.0669	No Trend
PIAMH	Summer1	STN	0.7940	-0.0144	No Trend	0.0017	-0.0039	Improving	0.0019	Different	0.0015	Improving 88
PIAMH	Summer1	BTN	0.4334	0.0371	No Trend	0.0152	-0.0029	No Trend	0.0128	Same	0.0184	No Trend
PIAMH	Summer1	SDIN	0.5403	0.0000	High BDLs	0.0006	-0.0005	High BDLs	0.0005	Different	0.0007	No Trend*
PIAMH	Summer1	BDIN	0.1824	0.0030	High BDLs	0.2834	0.0000	High BDLs	0.2481	Same	0.3234	No Trend
PIAMH	Summer1	STP	0.5885	0.0040	No Trend	0.4776	-0.0001	No Trend	0.4483	Same	0.5097	No Trend
PIAMH	Summer1	BTP	0.0676	0.0070	No Trend	0.2094	-0.0002	No Trend	0.1662	Same	0.2624	No Trend
PIAMH	Summer1	SPO4F	0.3993	0.0023	High BDLs	0.6646	0.0000	High BDLs	0.4559	Same	0.9340	No Trend
PIAMH	Summer1	BPO4F	0.3993	0.0015	High BDLs	0.2146	0.0000	High BDLs	0.2735	Same	0.1711	No Trend
POCMH	Summer1	STN	0.7940	-0.0047	No Trend	0.0015	-0.0079	Improving	0.0017	Different	0.0013	Improving 88
POCMH	Summer1	BTN	0.4334	0.0178	No Trend	0.0002	-0.0084	Improving	0.0002	Different	0.0003	Improving 88
POCMH	Summer1	SDIN	1.0000	-0.0003	No Trend	0.0300	-0.0007	No Trend	0.0303	Same	0.0303	No Trend
POCMH	Summer1	BDIN	0.7940	0.0015	No Trend	0.0057	-0.0009	Improving	0.0053	Different	0.0064	Improving 88
POCMH	Summer1	STP	0.5885	0.0010	No Trend	0.0000	-0.0009	Improving	0.0000	Different	0.0000	Improving 88
POCMH	Summer1	BTP	0.0918	0.0033	No Trend	0.0000	-0.0010	Improving	0.0000	Different	0.0000	Improving 88
POCMH	Summer1	SPO4F	1.0000	0.0000	High BDLs	0.1774	0.0000	High BDLs	0.1838	Same	0.1838	No Trend
POCMH	Summer1	BPO4F	1.0000	0.0000	High BDLs	0.7130	0.0000	High BDLs	0.7170	Same	0.7170	No Trend
CB5MH	Summer1	STN	0.7940	-0.0094	No Trend	0.0003	-0.0041	Improving	0.0004	Different	0.0003	Improving 88
CB5MH	Summer1	BTN	1.0000	0.0094	No Trend	0.0007	-0.0045	Improving	0.0008	Different	0.0008	Improving 88
CB5MH	Summer1	SDIN	0.5885	-0.0028	No Trend	0.1324	-0.0003	No Trend	0.1462	Same	0.1209	No Trend
CB5MH	Summer1	BDIN	0.7940	-0.0160	No Trend	0.1356	-0.0017	No Trend	0.1451	Same	0.1280	No Trend
CB5MH	Summer1	STP	0.4334	0.0028	No Trend	0.2300	0.0001	No Trend	0.2571	Same	0.2066	No Trend
CB5MH	Summer1	BTP	1.0000	0.0006	No Trend	0.0012	0.0004	Degrading	0.0012	Different	0.0012	Degrading 88
CB5MH	Summer1	SPO4F	0.5403	0.0000	High BDLs	0.2201	0.0000	High BDLs	0.2721	Same	0.1795	No Trend
CB5MH	Summer1	BPO4F	1.0000	-0.0013	High BDLs	0.1082	0.0000	High BDLs	0.1051	Same	0.1129	No Trend
CB6PH	Summer1	STN	0.7940	-0.0153	No Trend	0.0010	-0.0035	Improving	0.0011	Different	0.0009	Improving 88
CB6PH	Summer1	BTN	0.4334	-0.0181	No Trend	0.0008	-0.0047	Improving	0.0011	Different	0.0007	Improving 88
CB6PH	Summer1	SDIN	1.0000	-0.0004	No Trend	0.0038	0.0006	Degrading	0.0036	Different	0.0040	Degrading 88
CB6PH	Summer1	BDIN	0.1917	-0.0088	No Trend	0.6265	-0.0004	No Trend	0.6976	Same	0.5600	No Trend
CB6PH	Summer1	STP	0.4334	-0.0018	No Trend	0.0410	-0.0002	No Trend	0.0482	Same	0.0353	No Trend
CB6PH	Summer1	BTP	0.5885	-0.0016	No Trend	0.9482	0.0000	No Trend	0.9871	Same	0.9097	No Trend
CB6PH	Summer1	SPO4F	0.3583	0.0008	High BDLs	0.6732	0.0000	High BDLs	0.7716	Same	0.5834	No Trend
CB6PH	Summer1	BPO4F	0.1046	0.0020	No Trend	0.8185	0.0000	No Trend	0.9158	Same	0.7246	No Trend
CB7PH	Summer1	STN	0.4334	-0.0116	No Trend	0.0136	-0.0031	No Trend	0.0165	Same	0.0115	No Trend
CB7PH	Summer1	BTN	0.4334	-0.0287	No Trend	0.0004	-0.0047	Improving	0.0006	Different	0.0003	Improving 88
CB7PH	Summer1	SDIN	0.1601	-0.0050	No Trend	0.0062	0.0000	High BDLs	0.0044	Different	0.0089	No Trend*
CB7PH	Summer1	BDIN	0.4334	-0.0084	No Trend	0.5059	-0.0003	No Trend	0.5491	Same	0.4662	No Trend
CB7PH	Summer1	STP	0.0676	-0.0019	No Trend	0.0005	-0.0004	Improving	0.0008	Different	0.0003	Improving 88
CB7PH	Summer1	BTP	0.7940	0.0014	No Trend	0.0010	-0.0004	Improving	0.0010	Different	0.0012	Improving 88
CB7PH	Summer1	SPO4F	0.5050	0.0000	High BDLs	0.1541	0.0000	High BDLs	0.1188	Same	0.2084	No Trend
CB7PH	Summer1	BPO4F	1.0000	0.0005	No Trend	0.0072	0.0000	Improving	0.0070	Different	0.0077	Improving 88

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93		'07		'07		Trend		Combined	Combined
			Trend	'93	Trend	Trend	'07	Trend	Comparison	Trend	Comparison	P value	Trend	Trend
CB8PH	Summer1	STN	1.0000	0.0152	No Trend	0.1730	0.0016	No Trend	0.1738	Same	0.1738	No Trend		
CB8PH	Summer1	BTN	0.7940	-0.0008	No Trend	0.3988	0.0008	No Trend	0.3818	Same	0.4181	No Trend		
CB8PH	Summer1	SDIN	0.2278	-0.0017	High BDLs	0.0000	0.0008	High BDLs	0.0000	Different	0.0000	No Trend*		
CB8PH	Summer1	BDIN	0.0676	-0.0113	No Trend	0.0441	0.0007	No Trend	0.0325	Same	0.0602	No Trend		
CB8PH	Summer1	STP	0.0676	-0.0130	No Trend	0.0090	-0.0003	Improving	0.0132	Same	0.0062	Improving		
CB8PH	Summer1	BTP	0.0188	-0.0160	Improving	0.0000	-0.0009	Improving	0.0000	Different	0.0000	Improving		
CB8PH	Summer1	SPO4F	0.2278	-0.0002	High BDLs	0.0063	0.0000	High BDLs	0.0086	Different	0.0047	No Trend*		
CB8PH	Summer1	BPO4F	0.3993	-0.0014	No Trend	0.0000	-0.0005	Improving	0.0000	Different	0.0000	Improving 88		
APPTF	Summer2	STN	0.0704	-0.047	No Trend	0.8504	-0.003	No Trend	0.4056	Same	0.2495	No Trend		
APPTF	Summer2	BTN	0.1324	-0.036	No Trend	0.2421	-0.009	No Trend	0.8730	Same	0.0684	No Trend		
APPTF	Summer2	SDIN	0.2502	-0.015	No Trend	0.6367	-0.006	No Trend	0.7918	Same	0.2910	No Trend		
APPTF	Summer2	BDIN	0.1035	-0.022	No Trend	0.4061	-0.008	No Trend	0.8477	Same	0.1096	No Trend		
APPTF	Summer2	STP	0.9033	0.000	No Trend	0.9438	0.000	No Trend	0.9757	Same	0.8788	No Trend		
APPTF	Summer2	BTP	0.0432	0.005	No Trend	0.7247	-0.001	No Trend	0.1791	Same	0.4636	No Trend		
APPTF	Summer2	SPO4F	0.1627	-0.001	No Trend	0.3395	0.000	No Trend	0.9016	Same	0.1223	No Trend		
APPTF	Summer2	BPO4F	0.0603	-0.001	No Trend	0.3041	0.000	No Trend	0.9508	Same	0.0642	No Trend		
JMSTF2	Summer2	STN	0.0065	-0.060	Improving	0.2269	0.013	No Trend	0.0137	Same	0.6971	No Trend		
JMSTF2	Summer2	BTN	0.0001	-0.120	Improving	0.1218	0.012	No Trend	0.0010	Different	0.5537	Improving 85		
JMSTF2	Summer2	SDIN	0.0094	-0.035	Improving	0.3455	-0.009	No Trend	0.5816	Same	0.0299	No Trend		
JMSTF2	Summer2	BDIN	0.0004	-0.065	Improving	0.3083	-0.014	No Trend	0.3747	Same	0.0077	Improving		
JMSTF2	Summer2	STP	0.0021	-0.017	Improving	0.4384	0.001	No Trend	0.0243	Same	0.3613	No Trend		
JMSTF2	Summer2	BTP	0.0005	-0.023	Improving	0.0411	0.003	No Trend	0.0004	Different	0.9509	Improving 85		
JMSTF2	Summer2	SPO4F	0.0037	-0.015	Improving	0.0136	-0.002	No Trend	0.5224	Same	0.0003	Improving		
JMSTF2	Summer2	BPO4F	0.0019	-0.019	Improving	0.0133	-0.002	No Trend	0.5368	Same	0.0002	Improving		
JMSTF1	Summer2	STN	0.4339	-0.014	No Trend	0.0315	-0.016	No Trend	0.1692	Same	0.0232	No Trend		
JMSTF1	Summer2	BTN	0.5880	-0.019	No Trend	0.0047	-0.024	Improving	0.0377	Same	0.0066	Improving		
JMSTF1	Summer2	SDIN	0.0134	-0.033	No Trend	0.1218	0.019	No Trend	0.0079	Different	0.9745	No Trend*		
JMSTF1	Summer2	BDIN	0.0096	-0.039	Improving	0.0475	0.024	No Trend	0.0019	Different	0.8192	Improving 85		
JMSTF1	Summer2	STP	0.0050	0.005	Degrading	0.0445	-0.002	No Trend	0.0015	Different	0.7602	Degrading 85		
JMSTF1	Summer2	BTP	0.0026	0.010	Degrading	0.0049	-0.007	Improving	0.0001	Different	0.4165	--		
JMSTF1	Summer2	SPO4F	0.1928	-0.001	No Trend	0.0334	0.001	No Trend	0.0116	Same	0.2421	No Trend		
JMSTF1	Summer2	BPO4F	0.3100	0.000	No Trend	0.0986	0.001	No Trend	0.0489	Same	0.3737	No Trend		
CHKOH	Summer2	STN	0.6644	-0.033	No Trend	0.3262	-0.006	No Trend	0.4539	Same	0.2689	No Trend		
CHKOH	Summer2	BTN	1.0000	0.000	No Trend	0.4281	-0.004	No Trend	0.4324	Same	0.4754	No Trend		
CHKOH	Summer2	SDIN	0.7604	0.000	No Trend	0.0927	0.001	No Trend	0.0814	Same	0.1310	No Trend		
CHKOH	Summer2	BDIN	0.6885	0.000	No Trend	0.2200	0.001	No Trend	0.1847	Same	0.3022	No Trend		
CHKOH	Summer2	STP	0.1444	0.005	No Trend	0.0526	-0.001	No Trend	0.0203	Same	0.1680	No Trend		
CHKOH	Summer2	BTP	0.1017	0.010	No Trend	0.0909	-0.004	No Trend	0.0319	Same	0.2834	No Trend		
CHKOH	Summer2	SPO4F	0.2472	0.000	No Trend	0.8037	0.000	No Trend	0.9720	Same	0.6482	No Trend		
CHKOH	Summer2	BPO4F	0.5997	0.000	No Trend	0.9434	0.000	No Trend	0.9445	Same	0.8347	No Trend		

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93		'07		'07		Trend		Combined		Combined	
			Trend	'93	Trend	Trend	'07	'07	Trend	Comparison	Trend	Comparison	Trend	Trend	Trend	Trend
			P value	Slope	Direction	P value	Slope	Direction	P value	Comparison	P value	Comparison	P value	Direction	P value	Direction
JMSOH	Summer2	STN	0.5860	-0.004	No Trend	0.7702	0.001	No Trend	0.5736	Same	0.9501	No Trend				
JMSOH	Summer2	BTN	0.3062	0.020	No Trend	0.7981	0.003	No Trend	0.7312	Same	0.4349	No Trend				
JMSOH	Summer2	SDIN	0.0173	-0.015	No Trend	0.4922	0.003	No Trend	0.0492	Same	0.3994	No Trend				
JMSOH	Summer2	BDIN	0.0047	-0.016	Improving	0.7636	0.001	No Trend	0.0544	Same	0.1516	No Trend				
JMSOH	Summer2	STP	0.0180	0.005	No Trend	0.7702	0.000	No Trend	0.3168	Same	0.1332	No Trend				
JMSOH	Summer2	BTP	0.0080	0.009	Degrading	0.6092	0.001	No Trend	0.3329	Same	0.0654	No Trend				
JMSOH	Summer2	SPO4F	0.0407	0.001	No Trend	0.0926	0.001	No Trend	0.7055	Same	0.0117	No Trend				
JMSOH	Summer2	BPO4F	0.1538	0.001	No Trend	0.2405	0.000	No Trend	0.8006	Same	0.0771	No Trend				
JMSMH	Summer2	STN	0.6212	-0.005	No Trend	0.8266	0.000	No Trend	0.9483	Same	0.6498	No Trend				
JMSMH	Summer2	BTN	0.2599	0.010	No Trend	1.0000	0.000	No Trend	0.5816	Same	0.5816	No Trend				
JMSMH	Summer2	SDIN	0.2563	-0.003	No Trend	0.3669	0.002	No Trend	0.1625	Same	0.8831	No Trend				
JMSMH	Summer2	BDIN	0.2840	-0.004	No Trend	0.2376	0.003	No Trend	0.1128	Same	0.6293	No Trend				
JMSMH	Summer2	STP	0.0122	0.003	No Trend	0.8326	0.000	No Trend	0.2718	Same	0.1429	No Trend				
JMSMH	Summer2	BTP	0.0034	0.004	Degrading	0.8051	0.000	No Trend	0.0874	Same	0.1998	No Trend				
JMSMH	Summer2	SPO4F	0.0567	0.002	No Trend	0.0974	0.001	No Trend	0.6463	Same	0.0157	No Trend				
JMSMH	Summer2	BPO4F	0.1105	0.001	No Trend	0.1284	0.001	No Trend	0.5990	Same	0.0328	No Trend				
JMSPH	Summer2	STN	0.4339	0.007	No Trend	0.4809	0.002	No Trend	0.8552	Same	0.3011	No Trend				
JMSPH	Summer2	BTN	0.9520	-0.002	No Trend	0.3808	0.003	No Trend	0.4170	Same	0.4922	No Trend				
JMSPH	Summer2	SDIN	0.7133	0.000	No Trend	0.0002	0.003	Degrading	0.0007	Different	0.0031	Degrading	95			
JMSPH	Summer2	BDIN	0.8080	0.001	No Trend	0.2048	0.002	No Trend	0.3449	Same	0.2115	No Trend				
JMSPH	Summer2	STP	1.0000	0.000	No Trend	0.2048	0.001	No Trend	0.2733	Same	0.2733	No Trend				
JMSPH	Summer2	BTP	0.2528	0.001	No Trend	0.2448	-0.001	No Trend	0.1070	Same	0.6926	No Trend				
JMSPH	Summer2	SPO4F	0.8550	0.000	No Trend	0.2305	0.001	No Trend	0.2461	Same	0.3598	No Trend				
JMSPH	Summer2	BPO4F	0.6295	0.001	No Trend	0.6723	0.000	No Trend	0.5228	Same	0.9273	No Trend				
ELIPH	Summer2	STN	0.4693	0.005	No Trend	0.2597	0.0087	No Trend	0.5633	Same	0.1711	No Trend				
ELIPH	Summer2	BTN	0.9520	0.000	No Trend	0.0782	0.0075	No Trend	0.1445	Same	0.1139	No Trend				
ELIPH	Summer2	SDIN	0.7241	0.003	No Trend	0.0166	0.0123	No Trend	0.0507	Same	0.0197	No Trend				
ELIPH	Summer2	BDIN	1.0000	-0.001	No Trend	0.0670	0.0083	No Trend	0.0950	Same	0.1081	No Trend				
ELIPH	Summer2	STP	0.8529	0.000	No Trend	0.1589	0.0011	No Trend	0.1781	Same	0.2706	No Trend				
ELIPH	Summer2	BTP	0.5423	-0.001	No Trend	0.7781	-0.0002	No Trend	0.9271	Same	0.5623	No Trend				
ELIPH	Summer2	SPO4F	1.0000	0.000	No Trend	0.0840	0.0013	No Trend	0.1245	Same	0.1403	No Trend				
ELIPH	Summer2	BPO4F	0.7609	0.000	No Trend	0.0907	0.0012	No Trend	0.2002	Same	0.0996	No Trend				
PMKTF	Summer2	STN	0.3337	-0.009	No Trend	1.0000	0.000	No Trend	0.5519	Same	0.5519	No Trend				
PMKTF	Summer2	BTN	0.9520	0.004	No Trend	0.0796	-0.022	No Trend	0.1398	Same	0.1827	No Trend				
PMKTF	Summer2	SDIN	0.8087	-0.006	No Trend	0.7111	0.002	No Trend	0.6337	Same	0.8917	No Trend				
PMKTF	Summer2	BDIN	0.9040	-0.003	No Trend	0.9672	0.000	No Trend	0.8918	Same	0.9458	No Trend				
PMKTF	Summer2	STP	0.3607	0.002	No Trend	0.3024	-0.002	No Trend	0.1601	Same	0.7788	No Trend				
PMKTF	Summer2	BTP	0.0689	0.008	No Trend	0.0162	-0.002	No Trend	0.0023	Different	0.3811	No Trend*				
PMKTF	Summer2	SPO4F	0.1722	0.000	No Trend	0.0041	-0.001	Improving	0.0996	Same	0.0014	Improving				
PMKTF	Summer2	BPO4F	0.3376	0.000	No Trend	0.0033	-0.001	Improving	0.0560	Same	0.0025	Improving				

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93		'07		'07		Trend		Combined Trend P value	Combined Trend Direction
			Trend	P value	Slope	Direction	Trend	P value	Slope	Direction	Comparison	P value			Comparison
PMKOH	Summer2	STN	0.0019	0.030	Degrading	0.4180	-0.007	No Trend	0.0147	Same	0.2730	No Trend		
PMKOH	Summer2	BTN	0.0190	0.043	No Trend	0.0610	-0.019	No Trend	0.0038	Different	0.8237	No Trend*		
PMKOH	Summer2	SDIN	0.7011	0.000	No Trend	0.3724	-0.002	No Trend	0.6343	Same	0.3232	No Trend		
PMKOH	Summer2	BDIN	0.8400	-0.002	No Trend	0.7254	-0.001	No Trend	0.8830	Same	0.6590	No Trend		
PMKOH	Summer2	STP	0.0528	0.006	No Trend	0.0699	-0.003	No Trend	0.0095	Different	0.6308	No Trend*		
PMKOH	Summer2	BTP	0.1835	0.012	No Trend	0.3656	-0.002	No Trend	0.1327	Same	0.9733	No Trend		
PMKOH	Summer2	SPO4F	0.0001	0.003	Degrading	0.2401	0.000	No Trend	0.3158	Same	0.0026	Degrading		
PMKOH	Summer2	BPO4F	0.0030	0.002	Degrading	0.1794	0.001	No Trend	0.6842	Same	0.0067	Degrading		
MPNTF	Summer2	STN	0.0068	-0.031	Improving	0.1729	-0.008	No Trend	0.4957	Same	0.0051	Improving		
MPNTF	Summer2	BTN	0.1444	-0.011	No Trend	0.1834	-0.011	No Trend	0.9365	Same	0.0464	No Trend		
MPNTF	Summer2	SDIN	0.6735	0.003	No Trend	0.8048	-0.001	No Trend	0.6341	Same	0.9458	No Trend		
MPNTF	Summer2	BDIN	0.7501	0.001	No Trend	0.9657	0.000	No Trend	0.8030	Same	0.8585	No Trend		
MPNTF	Summer2	STP	0.2417	0.001	No Trend	0.0045	-0.003	Improving	0.0023	Different	0.0935	Improving 95		
MPNTF	Summer2	BTP	0.4801	0.001	No Trend	0.0162	-0.003	No Trend	0.0152	Same	0.1164	No Trend		
MPNTF	Summer2	SPO4F	0.7056	0.000	No Trend	0.0001	-0.002	Improving	0.0006	Different	0.0034	Improving 95		
MPNTF	Summer2	BPO4F	0.4188	0.000	No Trend	0.0003	-0.002	Improving	0.0100	Different	0.0004	Improving 95		
MPNOH	Summer2	STN	0.0004	0.036	Degrading	0.4647	-0.004	No Trend	0.0054	Different	0.1045	Degrading 85		
MPNOH	Summer2	BTN	0.2029	0.032	No Trend	0.0114	-0.031	No Trend	0.0046	Different	0.2076	No Trend*		
MPNOH	Summer2	SDIN	0.6556	0.001	No Trend	0.4888	-0.003	No Trend	0.3900	Same	0.7936	No Trend		
MPNOH	Summer2	BDIN	0.8400	-0.001	No Trend	0.8637	0.001	No Trend	0.7722	Same	1.0000	No Trend		
MPNOH	Summer2	STP	0.0178	0.005	No Trend	0.2165	-0.003	No Trend	0.0170	Same	0.7332	No Trend		
MPNOH	Summer2	BTP	0.4454	0.004	No Trend	0.2020	-0.003	No Trend	0.1284	Same	0.5340	No Trend		
MPNOH	Summer2	SPO4F	0.0012	0.002	Degrading	0.9014	0.000	No Trend	0.0537	Same	0.0850	No Trend		
MPNOH	Summer2	BPO4F	0.0012	0.002	Degrading	0.4092	0.000	No Trend	0.0142	Same	0.2932	No Trend		
YRKMH	Summer2	STN	0.0363	0.034	No Trend	0.6507	-0.003	No Trend	0.1202	Same	0.4271	No Trend		
YRKMH	Summer2	BTN	0.0439	0.037	No Trend	0.6677	-0.002	No Trend	0.1381	Same	0.4475	No Trend		
YRKMH	Summer2	SDIN	0.1242	-0.005	No Trend	0.9641	0.000	No Trend	0.3772	Same	0.3387	No Trend		
YRKMH	Summer2	BDIN	0.2496	-0.003	No Trend	0.7212	-0.001	No Trend	0.7095	Same	0.3328	No Trend		
YRKMH	Summer2	STP	0.0037	0.007	Degrading	0.2138	-0.001	No Trend	0.0094	Different	0.6388	Degrading 85		
YRKMH	Summer2	BTP	0.0058	0.009	Degrading	1.0000	0.000	No Trend	0.1505	Same	0.1505	No Trend		
YRKMH	Summer2	SPO4F	0.0002	0.003	Degrading	0.3044	0.000	No Trend	0.3106	Same	0.0053	Degrading		
YRKMH	Summer2	BPO4F	0.0014	0.003	Degrading	0.0121	0.001	No Trend	0.5749	Same	0.0001	Degrading		
YRKPH	Summer2	STN	0.0801	0.023	No Trend	0.1147	0.004	No Trend	0.7187	Same	0.0212	No Trend		
YRKPH	Summer2	BTN	0.0378	0.040	No Trend	0.7012	0.002	No Trend	0.4081	Same	0.1403	No Trend		
YRKPH	Summer2	SDIN	0.6870	-0.001	No Trend	0.9289	0.000	No Trend	0.7381	Same	0.8526	No Trend		
YRKPH	Summer2	BDIN	0.2803	0.005	No Trend	0.9699	0.000	No Trend	0.5978	Same	0.5529	No Trend		
YRKPH	Summer2	STP	0.0349	0.002	No Trend	0.2421	-0.001	No Trend	0.0333	Same	0.8974	No Trend		
YRKPH	Summer2	BTP	0.0005	0.004	Degrading	0.4734	-0.001	No Trend	0.0144	Same	0.2212	No Trend		
YRKPH	Summer2	SPO4F	0.0195	0.001	No Trend	0.7619	0.000	No Trend	0.3300	Same	0.1352	No Trend		
YRKPH	Summer2	BPO4F	0.0730	0.001	No Trend	0.8504	0.000	No Trend	0.4207	Same	0.2596	No Trend		
MOBPH	Summer2	STN	0.2278	-0.0375	No Trend	0.0271	-0.0031	No Trend	0.0346	Same	0.0215	No Trend		
MOBPH	Summer2	BTN	0.0704	-0.0260	No Trend	0.0013	-0.0048	Improving	0.0020	Different	0.0008	Improving 88		
MOBPH	Summer2	SDIN	0.5465	-0.0020	No Trend	0.1538	0.0000	No Trend	0.1376	Same	0.1735	No Trend		
MOBPH	Summer2	BDIN	1.0000	0.0018	No Trend	0.3661	0.0005	No Trend	0.3771	Same	0.3571	No Trend		
MOBPH	Summer2	STP	1.0000	0.0030	No Trend	0.1959	-0.0002	No Trend	0.1903	Same	0.2033	No Trend		
MOBPH	Summer2	BTP	1.0000	0.0007	No Trend	0.0992	-0.0002	No Trend	0.0960	Same	0.1037	No Trend		
MOBPH	Summer2	SPO4F	0.5050	0.0030	High BDLs	0.4761	0.0000	High BDLs	0.5799	Same	0.3924	No Trend		
MOBPH	Summer2	BPO4F	1.0000	0.0015	High BDLs	0.2381	0.0000	High BDLs	0.2505	Same	0.2296	No Trend		

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93 Trend	'93 Slope	'93 Trend	'07 Trend	'07 Slope	'07 Trend	Trend Comparison	Trend Comparison	Combined Trend	Combined Trend
			P value		Direction	P value		Direction	P value		P value	Direction
RPPTF	Summer2	STN	0.2528	0.018	No Trend	0.1210	-0.008	No Trend	0.0516	Same	0.4654	No Trend
RPPTF	Summer2	BTN	0.6735	-0.004	No Trend	0.0054	-0.016	Improving	0.0308	Same	0.0081	Improving
RPPTF	Summer2	SDIN	0.0454	0.030	No Trend	0.2311	-0.012	No Trend	0.0384	Same	1.0000	No Trend
RPPTF	Summer2	BDIN	0.0338	0.025	No Trend	0.1478	-0.009	No Trend	0.0188	Same	0.8788	No Trend
RPPTF	Summer2	STP	0.2924	0.001	No Trend	0.0723	-0.001	No Trend	0.0345	Same	0.3121	No Trend
RPPTF	Summer2	BTP	0.1809	0.002	No Trend	0.0618	-0.001	No Trend	0.0205	Same	0.3603	No Trend
RPPTF	Summer2	SPO4F	0.6134	0.000	No Trend	0.1033	0.000	No Trend	0.0836	Same	0.2030	No Trend
RPPTF	Summer2	BPO4F	0.9331	0.000	No Trend	0.0562	0.000	No Trend	0.0681	Same	0.0902	No Trend
RPPMH	Summer2	STN	0.2736	0.009	No Trend	0.4384	-0.002	No Trend	0.2114	Same	0.9271	No Trend
RPPMH	Summer2	BTN	0.0157	0.022	No Trend	0.3067	-0.003	No Trend	0.0331	Same	0.7149	No Trend
RPPMH	Summer2	SDIN	0.0087	-0.006	Improving	0.1367	0.001	No Trend	0.0101	Same	0.9500	No Trend
RPPMH	Summer2	BDIN	0.1285	-0.002	No Trend	0.2311	0.001	No Trend	0.0693	Same	0.7817	No Trend
RPPMH	Summer2	STP	0.0026	0.003	Degrading	0.1390	-0.001	No Trend	0.0049	Different	0.8069	Degrading 85
RPPMH	Summer2	BTP	0.0721	0.002	No Trend	0.0346	-0.001	No Trend	0.0058	Different	0.3582	No Trend*
RPPMH	Summer2	SPO4F	0.4137	0.000	No Trend	0.9714	0.000	No Trend	0.7580	Same	0.8106	No Trend
RPPMH	Summer2	BPO4F	0.1238	0.000	No Trend	0.2885	0.000	No Trend	0.6925	Same	0.1137	No Trend
RPPOH	Summer2	STN	0.1277	0.027	No Trend	0.6219	0.002	No Trend	0.7144	Same	0.2225	No Trend
RPPOH	Summer2	BTN	0.0023	0.048	Degrading	0.4384	0.007	No Trend	0.4057	Same	0.0288	No Trend
RPPOH	Summer2	SDIN	0.0508	-0.008	No Trend	0.2450	0.000	High BDLs	0.9743	Same	0.0423	No Trend
RPPOH	Summer2	BDIN	0.0156	-0.008	No Trend	0.8524	0.000	No Trend	0.2976	Same	0.1716	No Trend
RPPOH	Summer2	STP	0.0446	0.005	No Trend	0.7781	0.000	No Trend	0.2004	Same	0.4280	No Trend
RPPOH	Summer2	BTP	0.0019	0.009	Degrading	0.7917	0.001	No Trend	0.1634	Same	0.0646	No Trend
RPPOH	Summer2	SPO4F	0.4936	0.000	No Trend	0.0250	-0.001	No Trend	0.0175	Same	0.0497	No Trend
RPPOH	Summer2	BPO4F	0.8021	0.000	No Trend	0.0332	0.000	No Trend	0.0314	Same	0.0515	No Trend
CRRMH	Summer2	STN	0.8798	0.005	No Trend	0.0275	0.007	No Trend	0.0618	Same	0.0383	No Trend
CRRMH	Summer2	BTN	0.1104	0.025	No Trend	0.1441	-0.006	No Trend	0.0413	Same	0.5535	No Trend
CRRMH	Summer2	SDIN	0.0048	-0.005	Improving	0.1995	0.000	High BDLs	0.5659	Same	0.0071	Improving
CRRMH	Summer2	BDIN	0.0197	-0.005	No Trend	0.4447	-0.001	No Trend	0.6523	Same	0.0715	No Trend
CRRMH	Summer2	STP	0.0058	0.002	Degrading	0.1718	0.001	No Trend	0.7938	Same	0.0090	Degrading
CRRMH	Summer2	BTP	0.0059	0.003	Degrading	0.1441	-0.001	No Trend	0.0073	Different	0.8747	Degrading 85
CRRMH	Summer2	SPO4F	0.0828	0.000	No Trend	0.5854	0.000	No Trend	0.2332	Same	0.8567	No Trend
CRRMH	Summer2	BPO4F	0.3879	0.000	No Trend	0.0550	0.000	No Trend	0.0328	Same	0.1481	No Trend
PIAMH	Summer2	STN	0.2278	-0.0245	No Trend	0.0035	-0.0039	Improving	0.0049	Different	0.0026	Improving 88
PIAMH	Summer2	BTN	1.0000	0.0373	No Trend	0.0148	-0.0030	No Trend	0.0143	Same	0.0158	No Trend
PIAMH	Summer2	SDIN	0.5403	0.0000	High BDLs	0.0036	0.0000	High BDLs	0.0032	Different	0.0042	No Trend*
PIAMH	Summer2	BDIN	0.1824	0.0190	High BDLs	0.1859	-0.0004	High BDLs	0.1562	Same	0.2211	No Trend
PIAMH	Summer2	STP	0.1138	0.0048	No Trend	0.5520	-0.0001	No Trend	0.4786	Same	0.6321	No Trend
PIAMH	Summer2	BTP	0.2278	0.0065	No Trend	0.1920	-0.0002	No Trend	0.1621	Same	0.2277	No Trend
PIAMH	Summer2	SPO4F	0.7518	0.0030	High BDLs	0.6646	0.0000	High BDLs	0.5583	Same	0.8019	No Trend
PIAMH	Summer2	BPO4F	0.7518	0.0015	High BDLs	0.2146	0.0000	High BDLs	0.2439	Same	0.1928	No Trend
POCMH	Summer2	STN	1.0000	0.0395	No Trend	0.0007	-0.0102	Improving	0.0007	Different	0.0008	Improving 88
POCMH	Summer2	BTN	0.2278	0.0240	No Trend	0.0005	-0.0098	Improving	0.0004	Different	0.0007	Improving 88
POCMH	Summer2	SDIN	1.0000	0.0273	No Trend	0.0617	-0.0006	No Trend	0.0597	Same	0.0649	No Trend
POCMH	Summer2	BDIN	0.5465	0.0213	No Trend	0.0069	-0.0013	Improving	0.0059	Different	0.0083	Improving 88
POCMH	Summer2	STP	1.0000	0.0000	No Trend	0.0000	-0.0011	Improving	0.0000	Different	0.0000	Improving 88
POCMH	Summer2	BTP	0.2059	0.0033	No Trend	0.0000	-0.0011	Improving	0.0000	Different	0.0000	Improving 88
POCMH	Summer2	SPO4F	1.0000	0.0000	High BDLs	0.1774	0.0000	High BDLs	0.1838	Same	0.1838	No Trend
POCMH	Summer2	BPO4F	1.0000	0.0000	High BDLs	0.7130	0.0000	High BDLs	0.7170	Same	0.7170	No Trend

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93		'07		'07		Trend		Combined	Combined
			Trend	'93	Trend	Trend	'07	'07	Trend	Comparison	Trend	Comparison	Trend	Trend
			P value	Slope	Direction	P value	Slope	Direction	P value	Comparison	P value	Direction	P value	Direction
CB5MH	Summer2	STN	0.2278	-0.0337	No Trend	0.0003	-0.0044	Improving	0.0005	Different	0.0002	Improving 88		
CB5MH	Summer2	BTN	0.5465	-0.0174	No Trend	0.0003	-0.0050	Improving	0.0004	Different	0.0002	Improving 88		
CB5MH	Summer2	SDIN	0.3428	-0.0035	No Trend	0.2889	-0.0002	No Trend	0.3256	Same	0.2567	No Trend		
CB5MH	Summer2	BDIN	0.5465	-0.0252	No Trend	0.2611	-0.0014	No Trend	0.2866	Same	0.2389	No Trend		
CB5MH	Summer2	STP	1.0000	0.0029	No Trend	0.8221	0.0000	No Trend	0.8371	Same	0.8080	No Trend		
CB5MH	Summer2	BTP	1.0000	-0.0032	No Trend	0.0327	0.0004	No Trend	0.0316	Same	0.0346	No Trend		
CB5MH	Summer2	SPO4F	0.5403	0.0000	High BDLs	0.2201	0.0000	High BDLs	0.2721	Same	0.1795	No Trend		
CB5MH	Summer2	BPO4F	0.5465	-0.0026	No Trend	0.0636	0.0003	No Trend	0.0564	Same	0.0726	No Trend		
CB6PH	Summer2	STN	0.5465	-0.0170	No Trend	0.0009	-0.0038	Improving	0.0011	Different	0.0008	Improving 88		
CB6PH	Summer2	BTN	0.5465	-0.0225	No Trend	0.0009	-0.0052	Improving	0.0011	Different	0.0007	Improving 88		
CB6PH	Summer2	SDIN	1.0000	0.0000	No Trend	0.0091	0.0005	Degrading	0.0093	Different	0.0093	Degrading 88		
CB6PH	Summer2	BDIN	0.5465	-0.0089	No Trend	0.4314	-0.0007	No Trend	0.4659	Same	0.4002	No Trend		
CB6PH	Summer2	STP	0.5465	-0.0013	No Trend	0.0471	-0.0003	No Trend	0.0541	Same	0.0416	No Trend		
CB6PH	Summer2	BTP	0.3428	-0.0020	No Trend	0.5741	-0.0001	No Trend	0.6268	Same	0.5249	No Trend		
CB6PH	Summer2	SPO4F	0.7237	0.0000	High BDLs	0.6732	0.0000	High BDLs	0.7223	Same	0.6280	No Trend		
CB6PH	Summer2	BPO4F	0.2278	0.0018	No Trend	0.7501	0.0000	No Trend	0.8225	Same	0.6808	No Trend		
CB7PH	Summer2	STN	0.5465	-0.0095	No Trend	0.0108	-0.0039	No Trend	0.0129	Same	0.0093	Improving		
CB7PH	Summer2	BTN	0.5465	-0.0268	No Trend	0.0000	-0.0065	Improving	0.0000	Different	0.0000	Improving 88		
CB7PH	Summer2	SDIN	0.3428	-0.0045	No Trend	0.0548	0.0000	No Trend	0.0447	Same	0.0683	No Trend		
CB7PH	Summer2	BDIN	0.5465	-0.0059	No Trend	0.2094	-0.0006	No Trend	0.2314	Same	0.1906	No Trend		
CB7PH	Summer2	STP	0.0704	-0.0018	No Trend	0.0004	-0.0005	Improving	0.0007	Different	0.0003	Improving 88		
CB7PH	Summer2	BTP	1.0000	-0.0006	No Trend	0.0002	-0.0005	Improving	0.0003	Different	0.0002	Improving 88		
CB7PH	Summer2	SPO4F	0.5050	0.0030	High BDLs	0.1541	0.0000	High BDLs	0.1188	Same	0.2084	No Trend		
CB7PH	Summer2	BPO4F	1.0000	-0.0009	No Trend	0.0107	-0.0002	No Trend	0.0115	Same	0.0103	No Trend		
CB8PH	Summer2	STN	1.0000	0.0417	No Trend	0.2611	0.0015	No Trend	0.2700	Same	0.2541	No Trend		
CB8PH	Summer2	BTN	1.0000	-0.0003	No Trend	0.5998	0.0006	No Trend	0.5876	Same	0.6136	No Trend		
CB8PH	Summer2	SDIN	0.2278	-0.0036	High BDLs	0.0005	0.0006	Degrading	0.0003	Different	0.0007	Degrading 88		
CB8PH	Summer2	BDIN	0.2278	-0.0124	No Trend	0.3027	0.0006	No Trend	0.2618	Same	0.3497	No Trend		
CB8PH	Summer2	STP	0.2278	-0.0125	No Trend	0.0183	-0.0003	No Trend	0.0237	Same	0.0143	No Trend		
CB8PH	Summer2	BTP	0.0704	-0.0095	No Trend	0.0000	-0.0010	Improving	0.0000	Different	0.0000	Improving 88		
CB8PH	Summer2	SPO4F	0.2278	-0.0015	No Trend	0.0123	0.0000	No Trend	0.0165	Same	0.0094	Improving		
CB8PH	Summer2	BPO4F	0.5050	-0.0010	No Trend	0.0000	-0.0005	Improving	0.0000	Different	0.0000	Improving 88		
APPTF	Winter	STN	1.0000	0.010	No Trend	0.6433	-0.006	No Trend	0.6506	Same	0.7171	No Trend		
APPTF	Winter	BTN	0.9066	0.018	No Trend	0.3549	-0.007	No Trend	0.3483	Same	0.4590	No Trend		
APPTF	Winter	SDIN	1.0000	-0.004	No Trend	0.7154	-0.006	No Trend	0.7732	Same	0.7110	No Trend		
APPTF	Winter	BDIN	0.6366	-0.014	No Trend	0.5325	-0.005	No Trend	0.7219	Same	0.4233	No Trend		
APPTF	Winter	STP	0.0799	0.007	No Trend	0.0756	-0.002	No Trend	0.0159	Same	0.4383	No Trend		
APPTF	Winter	BTP	0.2081	0.005	No Trend	0.2669	-0.001	No Trend	0.1072	Same	0.7203	No Trend		
APPTF	Winter	SPO4F	0.0817	-0.002	No Trend	0.0045	-0.001	Improving	0.0660	Same	0.0008	Improving		
APPTF	Winter	BPO4F	0.1054	-0.003	No Trend	0.0061	-0.001	Improving	0.0821	Same	0.0013	Improving		

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93		'07		'07		Trend		Combined		Combined
			Trend	'93	Trend	Trend	'07	'07	Trend	Comparison	Trend	Comparison	Trend	Trend	
			P value	Slope	Direction	P value	Slope	Direction	P value	Comparison	P value	Comparison	P value	Direction	
JMSTF2	Winter	STN	0.0440	-0.056	No Trend	0.1647	0.018	No Trend	0.0263	Same	0.8206	No Trend			
JMSTF2	Winter	BTN	0.0258	-0.089	No Trend	0.2402	0.018	No Trend	0.0357	Same	1.0000	No Trend			
JMSTF2	Winter	SDIN	0.0219	-0.030	No Trend	0.0449	0.016	No Trend	0.0045	Different	0.4345	No Trend*			
JMSTF2	Winter	BDIN	0.0335	-0.042	No Trend	0.0388	0.017	No Trend	0.0054	Different	0.3078	No Trend*			
JMSTF2	Winter	STP	0.0274	-0.014	No Trend	0.1130	-0.002	No Trend	0.6992	Same	0.0144	No Trend			
JMSTF2	Winter	BTP	0.0165	-0.015	No Trend	0.1737	-0.003	No Trend	0.9622	Same	0.0158	No Trend			
JMSTF2	Winter	SPO4F	0.0155	-0.009	No Trend	0.0544	-0.001	No Trend	0.5077	Same	0.0049	Improving			
JMSTF2	Winter	BPO4F	0.1773	-0.008	No Trend	0.0338	-0.001	No Trend	0.2109	Same	0.0109	No Trend			
JMSTF1	Winter	STN	0.2518	-0.108	No Trend	0.3282	-0.028	No Trend	0.7858	Same	0.1472	No Trend			
JMSTF1	Winter	BTN	0.1273	-0.089	No Trend	0.3817	-0.030	No Trend	0.8876	Same	0.1441	No Trend			
JMSTF1	Winter	SDIN	0.2518	-0.058	No Trend	0.3160	-0.015	No Trend	0.7112	Same	0.1500	No Trend			
JMSTF1	Winter	BDIN	0.1273	-0.053	No Trend	0.3620	-0.014	No Trend	0.7988	Same	0.1486	No Trend			
JMSTF1	Winter	STP	0.3291	-0.006	No Trend	0.0611	-0.004	No Trend	0.2277	Same	0.0312	No Trend			
JMSTF1	Winter	BTP	0.3857	-0.004	No Trend	0.1366	-0.007	No Trend	0.3667	Same	0.0780	No Trend			
JMSTF1	Winter	SPO4F	0.0142	-0.008	No Trend	0.0005	-0.001	Improving	0.0381	Same	0.0000	Improving			
JMSTF1	Winter	BPO4F	0.0063	-0.006	Improving	0.0001	-0.001	Improving	0.0253	Same	0.0000	Improving			
CHKOH	Winter	STN	0.3865	-0.068	No Trend	0.1356	-0.022	No Trend	0.2566	Same	0.0843	No Trend			
CHKOH	Winter	BTN	0.4712	-0.244	No Trend	0.0156	-0.027	No Trend	0.0305	Same	0.0103	No Trend			
CHKOH	Winter	SDIN	0.1190	-0.105	No Trend	0.3160	-0.007	No Trend	0.5968	Same	0.1584	No Trend			
CHKOH	Winter	BDIN	0.4712	-0.099	No Trend	0.1212	-0.013	No Trend	0.1791	Same	0.0888	No Trend			
CHKOH	Winter	STP	0.4470	0.003	No Trend	0.4713	-0.002	No Trend	0.3518	Same	0.6415	No Trend			
CHKOH	Winter	BTP	0.2760	0.009	No Trend	0.2694	-0.002	No Trend	0.1637	Same	0.4576	No Trend			
CHKOH	Winter	SPO4F	0.8026	0.000	No Trend	0.0152	-0.001	No Trend	0.0215	Same	0.0132	No Trend			
CHKOH	Winter	BPO4F	1.0000	0.000	No Trend	0.0037	-0.001	Improving	0.0039	Different	0.0052	Improving 95			
JMSOH	Winter	STN	0.3929	-0.033	No Trend	0.2107	-0.015	No Trend	0.4972	Same	0.1208	No Trend			
JMSOH	Winter	BTN	0.5066	-0.046	No Trend	0.2531	-0.026	No Trend	0.4500	Same	0.1739	No Trend			
JMSOH	Winter	SDIN	0.0710	-0.050	No Trend	0.2694	-0.011	No Trend	0.8268	Same	0.0728	No Trend			
JMSOH	Winter	BDIN	0.0842	-0.045	No Trend	0.0611	-0.017	No Trend	0.2589	Same	0.0167	No Trend			
JMSOH	Winter	STP	0.6674	0.003	No Trend	0.2669	-0.002	No Trend	0.2175	Same	0.4375	No Trend			
JMSOH	Winter	BTP	0.1349	0.015	No Trend	0.5123	-0.002	No Trend	0.2019	Same	0.9274	No Trend			
JMSOH	Winter	SPO4F	0.0389	-0.003	No Trend	0.1357	-0.001	No Trend	0.6283	Same	0.0248	No Trend			
JMSOH	Winter	BPO4F	0.2724	-0.002	No Trend	0.1013	-0.001	No Trend	0.3102	Same	0.0471	No Trend			
JMSMH	Winter	STN	0.9154	0.003	No Trend	0.3011	-0.014	No Trend	0.3091	Same	0.4103	No Trend			
JMSMH	Winter	BTN	0.3524	0.019	No Trend	0.9566	0.004	No Trend	0.7245	Same	0.6504	No Trend			
JMSMH	Winter	SDIN	0.9154	-0.010	No Trend	0.3383	-0.014	No Trend	0.4389	Same	0.3390	No Trend			
JMSMH	Winter	BDIN	0.6902	0.008	No Trend	0.8797	0.000	No Trend	0.7412	Same	0.9624	No Trend			
JMSMH	Winter	STP	0.5891	0.002	No Trend	0.7921	0.000	No Trend	0.6022	Same	0.9622	No Trend			
JMSMH	Winter	BTP	0.5912	0.001	No Trend	0.9161	0.000	No Trend	0.8500	Same	0.7052	No Trend			
JMSMH	Winter	SPO4F	0.8166	0.000	No Trend	0.1111	0.000	No Trend	0.1086	Same	0.1812	No Trend			
JMSMH	Winter	BPO4F	1.0000	0.000	No Trend	0.6971	0.000	No Trend	0.6827	Same	0.7505	No Trend			

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93		'07		'07		Trend		Combined		Combined	
			Trend	'93	Trend	Trend	'07	'07	Trend	Comparison	Trend	Comparison	Trend	Comparison	Trend	Comparison
			P value	Slope	Direction	P value	Slope	Direction	P value	Comparison	P value	Direction	P value	Direction	P value	Direction
JMSPH	Winter	STN	0.7124	-0.013	No Trend	0.8630	0.001	No Trend	0.7096	Same	0.9406	No Trend				
JMSPH	Winter	BTN	0.8250	0.003	No Trend	0.7625	0.004	No Trend	0.9110	Same	0.6819	No Trend				
JMSPH	Winter	SDIN	0.3317	-0.008	No Trend	0.2620	-0.004	No Trend	0.6540	Same	0.1351	No Trend				
JMSPH	Winter	BDIN	0.5921	0.000	No Trend	0.6662	0.000	No Trend	0.4987	Same	0.9401	No Trend				
JMSPH	Winter	STP	0.3007	-0.001	No Trend	0.2360	0.000	No Trend	0.1117	Same	0.6695	No Trend				
JMSPH	Winter	BTP	0.4174	-0.002	No Trend	0.7154	0.000	No Trend	0.8768	Same	0.4381	No Trend				
JMSPH	Winter	SPO4F	0.4367	0.000	No Trend	0.1875	0.000	High BDLs	0.4673	Same	0.1168	No Trend				
JMSPH	Winter	BPO4F	0.7531	0.000	No Trend	0.0183	0.000	No Trend	0.0612	Same	0.0242	No Trend				
ELIPH	Winter	STN	1.0000	0.004	No Trend	0.9312	0.0031	No Trend	0.9686	Same	0.9061	No Trend				
ELIPH	Winter	BTN	0.4572	-0.028	No Trend	0.7154	0.0020	No Trend	0.5028	Same	1.0000	No Trend				
ELIPH	Winter	SDIN	0.5667	-0.017	No Trend	0.9312	-0.0007	No Trend	0.8442	Same	0.7235	No Trend				
ELIPH	Winter	BDIN	0.5954	-0.008	No Trend	0.8630	-0.0015	No Trend	0.9363	Same	0.6894	No Trend				
ELIPH	Winter	STP	0.5152	-0.001	No Trend	0.6976	0.0004	No Trend	0.5209	Same	0.9360	No Trend				
ELIPH	Winter	BTP	0.9236	0.000	No Trend	0.7958	0.0002	No Trend	0.8749	Same	0.7529	No Trend				
ELIPH	Winter	SPO4F	0.2807	0.000	No Trend	0.1516	-0.0002	No Trend	0.4041	Same	0.0738	No Trend				
ELIPH	Winter	BPO4F	1.0000	0.000	No Trend	0.0790	-0.0003	No Trend	0.1008	Same	0.1186	No Trend				
PMKTF	Winter	STN	0.8595	0.004	No Trend	0.0019	0.023	Degrading	0.0123	Same	0.0054	Degrading				
PMKTF	Winter	BTN	0.1349	-0.025	No Trend	0.0602	0.018	No Trend	0.0156	Same	0.3817	No Trend				
PMKTF	Winter	SDIN	0.5983	-0.010	No Trend	0.0088	0.025	Degrading	0.0096	Different	0.0460	Degrading 95				
PMKTF	Winter	BDIN	0.4521	-0.018	No Trend	0.0269	0.024	No Trend	0.0179	Same	0.1043	No Trend				
PMKTF	Winter	STP	0.6569	0.002	No Trend	0.1107	0.002	No Trend	0.2656	Same	0.0994	No Trend				
PMKTF	Winter	BTP	0.2831	0.002	No Trend	0.4409	0.001	No Trend	0.9626	Same	0.2056	No Trend				
PMKTF	Winter	SPO4F	0.4047	0.000	No Trend	0.0702	-0.001	No Trend	0.1455	Same	0.0435	No Trend				
PMKTF	Winter	BPO4F	0.3827	0.000	No Trend	0.0167	-0.001	No Trend	0.0380	Same	0.0098	Improving				
PMKOH	Winter	STN	0.2518	-0.027	No Trend	0.0530	0.027	No Trend	0.0217	Same	0.4010	No Trend				
PMKOH	Winter	BTN	0.8604	-0.010	No Trend	0.3332	0.052	No Trend	0.3034	Same	0.4402	No Trend				
PMKOH	Winter	SDIN	0.0684	-0.015	No Trend	0.2889	0.014	No Trend	0.0530	Same	0.8753	No Trend				
PMKOH	Winter	BDIN	0.3865	-0.010	No Trend	0.2359	0.018	No Trend	0.1423	Same	0.4455	No Trend				
PMKOH	Winter	STP	1.0000	0.000	No Trend	0.4686	0.002	No Trend	0.5850	Same	0.5123	No Trend				
PMKOH	Winter	BTP	0.5919	0.004	No Trend	0.5532	0.007	No Trend	0.8130	Same	0.4078	No Trend				
PMKOH	Winter	SPO4F	0.7656	0.000	No Trend	0.5695	0.000	No Trend	0.7270	Same	0.4850	No Trend				
PMKOH	Winter	BPO4F	1.0000	0.000	No Trend	0.3148	-0.001	No Trend	0.3441	Same	0.3441	No Trend				
MPNTF	Winter	STN	0.5983	-0.024	No Trend	0.0186	0.019	No Trend	0.0183	Same	0.0768	No Trend				
MPNTF	Winter	BTN	1.0000	0.004	No Trend	0.0352	0.014	No Trend	0.0547	Same	0.0547	No Trend				
MPNTF	Winter	SDIN	0.3359	-0.012	No Trend	0.0138	0.020	No Trend	0.0076	Different	0.0896	No Trend*				
MPNTF	Winter	BDIN	1.0000	-0.001	No Trend	0.0115	0.020	No Trend	0.0178	Same	0.0228	No Trend				
MPNTF	Winter	STP	0.1228	0.003	No Trend	0.5531	-0.001	No Trend	0.2063	Same	0.8385	No Trend				
MPNTF	Winter	BTP	0.0998	0.005	No Trend	0.7242	0.000	No Trend	0.2637	Same	0.6229	No Trend				
MPNTF	Winter	SPO4F	0.2433	0.000	No Trend	0.0013	-0.001	Improving	0.0060	Different	0.0005	Improving 95				
MPNTF	Winter	BPO4F	0.7423	0.000	No Trend	0.0035	-0.001	Improving	0.0083	Different	0.0033	Improving 95				

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93		'93		'07		'07		Trend		Combined	Combined
			Trend	'93	Trend	Trend	'07	Trend	Comparison	Trend	Comparison	Trend	Trend	Trend
			P value	Slope	Direction	P value	Slope	Direction	P value	Comparison	P value	Direction		
MPNOH	Winter	STN	1.0000	0.000	No Trend	0.0874	0.017	No Trend	0.1473	Same	0.1473	No Trend		
MPNOH	Winter	BTN	1.0000	-0.002	No Trend	0.1587	0.014	No Trend	0.1787	Same	0.2161	No Trend		
MPNOH	Winter	SDIN	0.3271	-0.012	No Trend	0.0156	0.017	No Trend	0.0086	Different	0.1189	No Trend*		
MPNOH	Winter	BDIN	1.0000	0.000	No Trend	0.0238	0.018	No Trend	0.0407	Same	0.0316	No Trend		
MPNOH	Winter	STP	0.3284	-0.004	No Trend	0.8773	0.000	No Trend	0.5042	Same	0.6886	No Trend		
MPNOH	Winter	BTP	0.1948	0.008	No Trend	0.3474	0.003	No Trend	0.8770	Same	0.1346	No Trend		
MPNOH	Winter	SPO4F	0.7656	0.000	No Trend	0.6755	0.000	No Trend	0.5871	Same	0.8050	No Trend		
MPNOH	Winter	BPO4F	0.5959	0.000	No Trend	0.9556	0.000	No Trend	0.7907	Same	0.8735	No Trend		
YRKMH	Winter	STN	0.5403	-0.014	No Trend	0.1902	0.008	No Trend	0.1408	Same	0.5091	No Trend		
YRKMH	Winter	BTN	0.2330	0.045	No Trend	0.2889	0.011	No Trend	0.6453	Same	0.1346	No Trend		
YRKMH	Winter	SDIN	0.3798	-0.011	No Trend	0.4110	0.009	No Trend	0.2223	Same	0.8836	No Trend		
YRKMH	Winter	BDIN	1.0000	0.000	No Trend	0.6385	0.005	No Trend	0.6616	Same	0.6616	No Trend		
YRKMH	Winter	STP	0.0509	0.005	No Trend	0.8143	0.000	No Trend	0.3521	Same	0.1861	No Trend		
YRKMH	Winter	BTP	0.0545	0.008	No Trend	0.0602	0.008	No Trend	0.5035	Same	0.0087	Degrading		
YRKMH	Winter	SPO4F	0.3498	0.000	No Trend	0.5793	0.000	No Trend	1.0000	Same	0.3280	No Trend		
YRKMH	Winter	BPO4F	0.1223	0.000	No Trend	0.7822	0.000	No Trend	0.7187	Same	0.3817	No Trend		
YRKPH	Winter	STN	0.2853	-0.010	No Trend	0.1189	0.014	No Trend	0.0521	Same	0.4950	No Trend		
YRKPH	Winter	BTN	0.8964	-0.005	No Trend	0.7551	0.003	No Trend	0.6937	Same	0.8660	No Trend		
YRKPH	Winter	SDIN	0.3245	-0.004	No Trend	0.9065	0.000	No Trend	0.6498	Same	0.5120	No Trend		
YRKPH	Winter	BDIN	0.1486	-0.004	No Trend	0.6795	0.000	No Trend	0.3063	Same	0.7878	No Trend		
YRKPH	Winter	STP	0.0621	0.002	No Trend	0.1964	0.001	No Trend	1.0000	Same	0.0311	No Trend		
YRKPH	Winter	BTP	0.0080	0.003	Degrading	0.6624	-0.001	No Trend	0.0653	Same	0.2688	No Trend		
YRKPH	Winter	SPO4F	0.0205	0.000	No Trend	0.7386	0.000	No Trend	0.2324	Same	0.5679	No Trend		
YRKPH	Winter	BPO4F	0.0573	0.000	No Trend	0.8682	0.000	No Trend	0.6710	Same	0.4572	No Trend		
MOBPH	Winter	STN	0.7119	.	No Trend	0.0309	-0.0051	No Trend	0.0275	Same	0.0355	No Trend		
MOBPH	Winter	BTN	0.2679	.	No Trend	0.0761	-0.0046	No Trend	0.0612	Same	0.0955	No Trend		
MOBPH	Winter	SDIN	0.2679	.	No Trend	0.0857	-0.0006	No Trend	0.0689	Same	0.1077	No Trend		
MOBPH	Winter	BDIN	0.7119	.	No Trend	0.1735	-0.0002	No Trend	0.1922	Same	0.1584	No Trend		
MOBPH	Winter	STP	1.0000	.	No Trend	0.0679	-0.0002	No Trend	0.0685	Same	0.0685	No Trend		
MOBPH	Winter	BTP	1.0000	.	No Trend	0.1000	-0.0004	No Trend	0.1008	Same	0.1008	No Trend		
MOBPH	Winter	SPO4F	0.1939	.	High BDLs	.	0.0000	.	0.0833	Same	0.0833	No Trend		
MOBPH	Winter	BPO4F	0.1939	.	High BDLs	.	0.0000	.	0.0833	Same	0.0833	No Trend		
RPPTF	Winter	STN	0.0662	-0.051	No Trend	0.9227	0.002	No Trend	0.3088	Same	0.3963	No Trend		
RPPTF	Winter	BTN	0.0034	-0.091	Improving	0.4379	0.012	No Trend	0.0598	Same	0.6541	No Trend		
RPPTF	Winter	SDIN	0.9300	0.006	No Trend	0.1212	0.016	No Trend	0.1955	Same	0.1453	No Trend		
RPPTF	Winter	BDIN	0.9066	-0.003	No Trend	0.1447	0.012	No Trend	0.1486	Same	0.2025	No Trend		
RPPTF	Winter	STP	0.4621	-0.001	No Trend	0.5035	-0.001	No Trend	0.8575	Same	0.3232	No Trend		
RPPTF	Winter	BTP	0.0302	-0.010	No Trend	0.3817	-0.001	No Trend	0.7843	Same	0.0681	No Trend		
RPPTF	Winter	SPO4F	0.3355	0.000	No Trend	0.0009	-0.001	Improving	0.0063	Different	0.0005	Improving 95		
RPPTF	Winter	BPO4F	0.1168	0.000	No Trend	0.0007	-0.001	Improving	0.0124	Same	0.0002	Improving		
RPPMH	Winter	STN	0.4731	0.008	No Trend	0.7958	0.002	No Trend	0.8794	Same	0.5438	No Trend		
RPPMH	Winter	BTN	0.2688	0.012	No Trend	0.7958	-0.005	No Trend	0.4127	Same	0.7096	No Trend		
RPPMH	Winter	SDIN	1.0000	0.000	No Trend	1.0000	0.000	No Trend	0.9697	Same	0.9697	No Trend		
RPPMH	Winter	BDIN	1.0000	0.002	No Trend	0.8630	-0.002	No Trend	0.8522	Same	0.9110	No Trend		
RPPMH	Winter	STP	0.0385	0.003	No Trend	0.9311	0.000	No Trend	0.3137	Same	0.2474	No Trend		
RPPMH	Winter	BTP	0.0346	0.003	No Trend	0.9312	0.000	No Trend	0.2457	Same	0.3119	No Trend		
RPPMH	Winter	SPO4F	0.3378	0.000	No Trend	1.0000	0.000	No Trend	0.7390	Same	0.7390	No Trend		
RPPMH	Winter	BPO4F	0.3378	0.000	No Trend	0.5127	0.000	No Trend	0.3389	Same	0.7710	No Trend		

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93 Trend	'93 Slope	'93 Trend	'07 Trend	'07 Slope	'07 Trend	Trend Comparison	Trend	Combined Trend	Combined Trend
			P value		Direction	P value		Direction	P value	Comparison	P value	Direction
RPPOH	Winter	STN	0.1265	-0.058	No Trend	0.4810	0.017	No Trend	0.1469	Same	0.8025	No Trend
RPPOH	Winter	BTN	0.8943	-0.018	No Trend	0.4110	0.015	No Trend	0.3902	Same	0.5192	No Trend
RPPOH	Winter	SDIN	0.0684	-0.040	No Trend	0.1356	0.024	No Trend	0.0263	Same	0.6832	No Trend
RPPOH	Winter	BDIN	0.0842	-0.045	No Trend	0.1356	0.022	No Trend	0.0391	Same	0.4717	No Trend
RPPOH	Winter	STP	0.0323	0.005	No Trend	0.7412	-0.001	No Trend	0.1647	Same	0.4154	No Trend
RPPOH	Winter	BTP	0.0188	0.010	No Trend	0.9123	-0.001	No Trend	0.2212	Same	0.3042	No Trend
RPPOH	Winter	SPO4F	0.7423	0.000	No Trend	0.3463	0.000	No Trend	0.2951	Same	0.4546	No Trend
RPPOH	Winter	BPO4F	0.4533	0.000	No Trend	0.1737	0.000	No Trend	0.2599	Same	0.1245	No Trend
CRRMH	Winter	STN	0.0517	0.030	No Trend	0.2627	0.008	No Trend	0.8273	Same	0.0382	No Trend
CRRMH	Winter	BTN	0.2911	0.030	No Trend	0.3917	0.007	No Trend	0.8632	Same	0.1864	No Trend
CRRMH	Winter	SDIN	0.9209	0.000	No Trend	0.9422	0.000	No Trend	0.8606	Same	0.9533	No Trend
CRRMH	Winter	BDIN	0.6318	0.008	No Trend	0.2476	0.004	No Trend	0.5169	Same	0.1948	No Trend
CRRMH	Winter	STP	0.1943	0.003	No Trend	0.1530	0.001	No Trend	0.7421	Same	0.0483	No Trend
CRRMH	Winter	BTP	0.0391	0.002	No Trend	1.0000	0.000	No Trend	0.2052	Same	0.2052	No Trend
CRRMH	Winter	SPO4F		0.000		0.1082	0.000	No Trend	0.1082	Same	0.1082	No Trend
CRRMH	Winter	BPO4F	0.2801	0.000	No Trend	0.0115	0.000	No Trend	0.0050	Different	0.0566	No Trend*
PIAMH	Winter	STN	0.2679	.	No Trend	0.3547	-0.0040	No Trend	0.4118	Same	0.3050	No Trend
PIAMH	Winter	BTN	0.7119	.	No Trend	0.9181	0.0003	No Trend	0.8777	Same	0.9591	No Trend
PIAMH	Winter	SDIN	0.7119	.	High BDLs	0.5815	0.0000	High BDLs	0.5471	Same	0.6189	No Trend
PIAMH	Winter	BDIN	0.4268	.	High BDLs	0.8551	0.0000	High BDLs	0.9170	Same	0.7945	No Trend
PIAMH	Winter	STP	0.2679	.	No Trend	0.0472	-0.0002	No Trend	0.0611	Same	0.0369	No Trend
PIAMH	Winter	BTP	0.7119	.	No Trend	0.4556	-0.0001	No Trend	0.4884	Same	0.4263	No Trend
PIAMH	Winter	SPO4F	0.4268	.	No Trend	.	0.0000	.	0.2332	Same	0.2332	No Trend
PIAMH	Winter	BPO4F	0.1939	.	High BDLs	.	0.0000	.	0.0833	Same	0.0833	No Trend
POCMH	Winter	STN	0.6015	.	No Trend	0.1823	-0.0076	No Trend	0.1646	Same	0.2027	No Trend
POCMH	Winter	BTN	0.1172	.	No Trend	0.4687	-0.0034	No Trend	0.5434	Same	0.4013	No Trend
POCMH	Winter	SDIN	0.1172	.	No Trend	0.4218	-0.0016	No Trend	0.3613	Same	0.4892	No Trend
POCMH	Winter	BDIN	1.0000	.	No Trend	0.2527	-0.0022	No Trend	0.2534	Same	0.2534	No Trend
POCMH	Winter	STP	0.6015	.	No Trend	0.0408	-0.0010	No Trend	0.0360	Same	0.0469	No Trend
POCMH	Winter	BTP	1.0000	.	No Trend	0.0291	-0.0007	No Trend	0.0293	Same	0.0293	No Trend
POCMH	Winter	SPO4F	1.0000	.	High BDLs	0.5901	0.0000	High BDLs	0.5550	Same	0.6292	No Trend
POCMH	Winter	BPO4F	1.0000	.	High BDLs	0.5901	0.0000	High BDLs	0.5550	Same	0.6292	No Trend
CB5MH	Winter	STN	1.0000	.	No Trend	0.5509	-0.0040	No Trend	0.5516	Same	0.5516	No Trend
CB5MH	Winter	BTN	1.0000	.	No Trend	0.3468	-0.0037	No Trend	0.3477	Same	0.3477	No Trend
CB5MH	Winter	SDIN	0.7119	.	No Trend	0.6138	-0.0018	No Trend	0.5826	Same	0.6470	No Trend
CB5MH	Winter	BDIN	0.7119	.	No Trend	0.2913	-0.0020	No Trend	0.2717	Same	0.3137	No Trend
CB5MH	Winter	STP	0.2679	.	No Trend	0.9634	0.0000	No Trend	0.9634	Same	0.8906	No Trend
CB5MH	Winter	BTP	0.2679	.	No Trend	0.8185	0.0000	No Trend	0.8907	Same	0.7485	No Trend
CB5MH	Winter	SPO4F	.	0.0000	High BDLs	.	0.0000	High BDLs	.	.	.	.
CB5MH	Winter	BPO4F	1.0000	0.0000	High BDLs	.	0.0000	High BDLs	1.0000	Same	1.0000	No Trend
CB6PH	Winter	STN	0.2679	.	No Trend	0.5527	-0.0019	No Trend	0.4895	Same	0.6215	No Trend
CB6PH	Winter	BTN	0.0648	.	No Trend	0.1983	-0.0041	No Trend	0.1523	Same	0.2562	No Trend
CB6PH	Winter	SDIN	0.7119	.	No Trend	0.9605	0.0000	No Trend	0.9212	Same	1.0000	No Trend
CB6PH	Winter	BDIN	1.0000	.	No Trend	0.3836	-0.0006	No Trend	0.3847	Same	0.3847	No Trend
CB6PH	Winter	STP	0.7119	.	No Trend	0.0537	-0.0003	No Trend	0.0607	Same	0.0483	No Trend
CB6PH	Winter	BTP	0.2679	.	No Trend	0.1512	-0.0003	No Trend	0.1824	Same	0.1258	No Trend
CB6PH	Winter	SPO4F	0.1939	.	High BDLs	.	0.0000	High BDLs	0.0833	Same	0.0833	No Trend
CB6PH	Winter	BPO4F	0.1939	.	High BDLs	.	0.0000	High BDLs	0.0833	Same	0.0833	No Trend

Appendix B - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'07 Trend P value	'07 Slope	'07 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
CB7PH	Winter	STN	0.7119	.	No Trend	0.7291	-0.0015	No Trend	0.6929	Same	0.7671	No Trend
CB7PH	Winter	BTN	0.2679	.	No Trend	0.5863	-0.0021	No Trend	0.5210	Same	0.6568	No Trend
CB7PH	Winter	SDIN	1.0000	.	No Trend	0.8026	0.0000	No Trend	0.8031	Same	0.8031	No Trend
CB7PH	Winter	BDIN	0.7119	.	No Trend	0.7452	0.0000	No Trend	0.7083	Same	0.7838	No Trend
CB7PH	Winter	STP	0.4268	.	No Trend	0.0055	-0.0004	Improving	0.0071	Different	0.0045	Improving 88
CB7PH	Winter	BTP	0.7119	.	No Trend	0.3860	-0.0002	No Trend	0.4148	Same	0.3606	No Trend
CB7PH	Winter	SPO4F	0.1939	.	High BDLs	0.0000	High BDLs	0.0833	0.0833	Same	0.0833	No Trend
CB7PH	Winter	BPO4F	0.1939	.	High BDLs	0.0000	High BDLs	0.0833	0.0833	Same	0.0833	No Trend
CB8PH	Winter	STN	0.0648	.	No Trend	0.3345	0.0025	No Trend	0.4152	Same	0.2665	No Trend
CB8PH	Winter	BTN	0.0648	.	No Trend	0.9605	0.0003	No Trend	0.9214	Same	0.8435	No Trend
CB8PH	Winter	SDIN	1.0000	.	No Trend	0.6228	0.0000	No Trend	0.6237	Same	0.6237	No Trend
CB8PH	Winter	BDIN	0.7119	.	No Trend	0.3318	0.0000	No Trend	0.3591	Same	0.3082	No Trend
CB8PH	Winter	STP	1.0000	.	No Trend	0.0004	-0.0008	Improving	0.0004	Different	0.0004	Improving 88
CB8PH	Winter	BTP	1.0000	.	No Trend	0.0187	-0.0005	No Trend	0.0190	Same	0.0190	No Trend
CB8PH	Winter	SPO4F	0.2963	-0.0030	High BDLs	0.2174	0.0000	High BDLs	0.2860	Same	0.1654	No Trend
CB8PH	Winter	BPO4F	1.0000	.	High BDLs	0.0290	0.0000	High BDLs	0.0295	Same	0.0295	No Trend

Appendix B - Section II. Seasonal Kendall Long-term trends in water quality for the Virginia tributaries (1985-2007). Parameters are as follows: STN=Surface total nitrogen, BTN=Bottom total nitrogen, SDIN=Surface dissolved inorganic nitrogen, BDIN=Bottom dissolved inorganic nitrogen, STP=Surface total phosphorus, BTP=Bottom total phosphorus, SPO4F=Surface dissolved inorganic phosphorus, BPO4F=Bottom dissolved inorganic phosphorus, SCHLA=Surface chlorophyll *a*, STSS=Surface total suspended solids, BTSS=Bottom total suspended solids, SEECHI=Secchi depth, BDO=Bottom dissolved oxygen, SSALIN=Surface salinity, BSALIN=Bottom salinity, SWTEMP=Surface water temperature, BWTEMP=Bottom water temperature.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
APPTF	Annual	S	SCHLA	20.47	0.3102	0.00	30.94	No Estimate	No Trend	0.2593
APPTF	Annual	S	STSS	0.00	0.3759	-0.08	19.50	-7.89	No Trend	0.4485
APPTF	Annual	B	BTSS	0.00	0.2538	-0.19	27.25	-13.76	No Trend	0.7146
APPTF	Annual	S	SECCHI	0.00	0.0001	0.00	0.50	0.00	Unchanged	0.2140
APPTF	Annual	B	BDO	0.00	0.0019	0.03	8.95	7.91	Improving	0.0784
APPTF	Annual	S	SSALINITY	0.00	0.0982	0.00	0.01	0.00	No Trend	0.8708
APPTF	Annual	B	BSALINITY	0.00	0.0497	0.00	0.01	0.00	No Trend	0.9160
APPTF	Annual	S	SWTEMP	0.00	0.0078	0.05	19.68	6.23	Increasing	0.3872
APPTF	Annual	B	BWTEMP	0.00	0.0248	0.05	19.00	6.49	No Trend	0.4691
JMSTF1	Annual	S	SCHLA	18.26	0.0037	-0.07	16.56	No Estimate	Improving	0.1069
JMSTF1	Annual	S	STSS	0.27	0.6150	0.00	19.75	0.00	No Trend	0.8534
JMSTF1	Annual	B	BTSS	0.54	0.4829	-0.30	172.00	-4.01	No Trend	0.9957
JMSTF1	Annual	S	SECCHI	0.00	0.0004	0.00	0.60	-11.27	Degrading	0.4504
JMSTF1	Annual	B	BDO	0.00	0.0049	0.03	7.83	7.35	Improving	0.4220
JMSTF1	Annual	S	SSALINITY	0.00	0.0865	0.00	0.01	0.00	No Trend	0.9981
JMSTF1	Annual	B	BSALINITY	0.00	0.1537	0.00	0.01	0.00	No Trend	0.9896
JMSTF1	Annual	S	SWTEMP	0.00	0.2779	0.02	18.50	2.83	No Trend	0.1045
JMSTF1	Annual	B	BWTEMP	0.00	0.3163	0.02	18.35	2.69	No Trend	0.2659
JMSTF2	Annual	S	SCHLA	67.91	0.0166	0.00	3.80	No Estimate	High BDLs	0.9932
JMSTF2	Annual	S	STSS	30.49	0.0404	0.00	9.00	No Estimate	No Trend	0.4063
JMSTF2	Annual	B	BTSS	6.80	0.0001	0.42	16.25	51.28	Degrading	0.2404
JMSTF2	Annual	S	SECCHI	0.00	0.0002	-0.02	1.00	-38.33	Degrading	0.5261
JMSTF2	Annual	B	BDO	0.00	0.6130	0.00	7.75	1.06	No Trend	0.5854
JMSTF2	Annual	S	SSALINITY	0.00	0.0071	0.00	0.01	0.00	Unchanged	0.9870
JMSTF2	Annual	B	BSALINITY	0.00	0.0036	0.00	0.01	0.00	Unchanged	0.9989
JMSTF2	Annual	S	SWTEMP	0.00	0.3273	0.02	18.78	2.74	No Trend	0.9080
JMSTF2	Annual	B	BWTEMP	0.00	0.0782	0.04	19.00	5.21	No Trend	0.5033
CHKOH	Annual	S	SCHLA	8.40	0.0000	-0.45	22.35	-40.00	Improving	0.2095
CHKOH	Annual	S	STSS	0.00	0.5443	0.03	17.50	3.18	No Trend	0.6212
CHKOH	Annual	B	BTSS	0.00	0.0111	0.56	27.00	41.15	No Trend	0.5683
CHKOH	Annual	S	SECCHI	0.00	0.0000	-0.01	0.60	-23.81	Degrading	0.0331
CHKOH	Annual	B	BDO	0.00	0.8276	0.00	8.88	0.14	No Trend	0.1968
CHKOH	Annual	S	SSALINITY	0.00	0.0027	0.00	0.01	0.00	Unchanged	0.9376
CHKOH	Annual	B	BSALINITY	0.00	0.0021	0.00	0.01	0.00	Unchanged	0.9310
CHKOH	Annual	S	SWTEMP	0.00	0.3252	0.02	16.00	3.01	No Trend	0.1083
CHKOH	Annual	B	BWTEMP	0.00	0.2742	0.02	15.60	2.85	No Trend	0.1034

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
JMSOH	Annual	S	SCHLA	15.77	0.0805	-0.04	7.22	No Estimate	No Trend	0.1109
JMSOH	Annual	S	STSS	2.25	0.0816	-0.24	662.00	-0.84	No Trend	0.2456
JMSOH	Annual	B	BTSS	0.41	0.7871	-0.17	290.00	-1.36	No Trend	0.4852
JMSOH	Annual	S	SECCHI	0.00	0.9356	0.00	0.53	0.00	No Trend	0.6591
JMSOH	Annual	B	BDO	0.00	0.0743	-0.01	8.08	-3.56	No Trend	0.6040
JMSOH	Annual	S	SSALINITY	0.00	0.0397	0.02	2.72	16.93	No Trend	0.9243
JMSOH	Annual	B	BSALINITY	0.00	0.0235	0.04	3.47	25.68	No Trend	0.9169
JMSOH	Annual	S	SWTEMP	0.00	0.2315	0.02	18.30	3.11	No Trend	0.4194
JMSOH	Annual	B	BWTEMP	0.00	0.2163	0.02	18.48	2.94	No Trend	0.3762
JMSMH	Annual	S	SCHLA	25.84	0.1197	0.01	4.47	No Estimate	No Trend	0.0130
JMSMH	Annual	S	STSS	8.56	0.2785	-0.05	15.00	-6.97	No Trend	0.8554
JMSMH	Annual	B	BTSS	3.10	0.0002	0.50	142.00	8.10	Degrading	0.8330
JMSMH	Annual	S	SECCHI	0.00	0.7477	0.00	0.95	0.00	No Trend	0.7502
JMSMH	Annual	B	BDO	0.00	0.8655	0.00	7.50	0.00	No Trend	0.0366
JMSMH	Annual	S	SSALINITY	0.00	0.6121	0.02	14.96	3.30	No Trend	0.9649
JMSMH	Annual	B	BSALINITY	0.00	0.7851	-0.01	18.35	-1.04	No Trend	0.9505
JMSMH	Annual	S	SWTEMP	0.00	0.5013	0.01	20.13	1.10	No Trend	0.5621
JMSMH	Annual	B	BWTEMP	0.00	0.3979	0.01	19.90	1.52	No Trend	0.4126
JMSPH	Annual	S	SCHLA	13.92	0.0006	0.09	8.19	25.03	Degrading	0.0011
JMSPH	Annual	S	STSS	7.14	0.5702	0.01	8.25	3.25	No Trend	0.2459
JMSPH	Annual	B	BTSS	1.90	0.0754	-0.14	18.45	-17.73	No Trend	0.0039
JMSPH	Annual	S	SECCHI	0.00	0.0000	-0.01	1.30	-20.41	Degrading	0.6698
JMSPH	Annual	B	BDO	0.00	0.0000	0.04	7.63	11.65	Improving	0.7327
JMSPH	Annual	S	SSALINITY	0.00	0.0078	-0.07	21.56	-7.16	Decreasing	0.9963
JMSPH	Annual	B	BSALINITY	0.00	0.0000	-0.17	24.64	-16.14	Decreasing	0.4569
JMSPH	Annual	S	SWTEMP	0.00	0.3403	0.01	17.40	1.40	No Trend	0.4417
JMSPH	Annual	B	BWTEMP	0.00	0.0000	0.06	16.95	8.61	Increasing	0.1046
PMKTF	Annual	S	SCHLA	64.85	0.0331	0.00	3.10	No Estimate	High BDLs	0.0682
PMKTF	Annual	S	STSS	1.62	0.0129	0.23	14.00	32.97	No Trend	0.8668
PMKTF	Annual	B	BTSS	1.65	0.4164	-0.10	20.50	-9.31	No Trend	0.5500
PMKTF	Annual	S	SECCHI	0.00	0.0004	-0.01	0.70	-20.54	Degrading	0.1869
PMKTF	Annual	B	BDO	0.00	0.0351	0.02	6.83	6.13	No Trend	0.0110
PMKTF	Annual	S	SSALINITY	0.00	0.0001	0.00	0.01	0.00	Unchanged	0.8319
PMKTF	Annual	B	BSALINITY	0.00	0.0001	0.00	0.01	0.00	Unchanged	0.8421
PMKTF	Annual	S	SWTEMP	0.00	0.0680	0.04	18.00	5.11	No Trend	0.0013
PMKTF	Annual	B	BWTEMP	0.00	0.0780	0.04	19.10	5.02	No Trend	0.0014
PMKOH	Annual	S	SCHLA	27.12	0.1102	0.00	6.38	No Estimate	No Trend	0.4753
PMKOH	Annual	S	STSS	0.73	0.0059	-0.69	48.00	-32.94	Improving	0.6455
PMKOH	Annual	B	BTSS	0.42	0.3410	-1.00	102.00	-19.61	No Trend	0.7086
PMKOH	Annual	S	SECCHI	0.00	0.0026	0.00	0.30	0.00	Unchanged	0.8597
PMKOH	Annual	B	BDO	0.00	0.5819	0.00	6.20	-1.39	No Trend	0.0674
PMKOH	Annual	S	SSALINITY	0.00	0.0093	0.04	3.49	27.20	Increasing	0.9707
PMKOH	Annual	B	BSALINITY	0.00	0.0190	0.05	4.31	24.90	No Trend	0.9292
PMKOH	Annual	S	SWTEMP	0.00	0.9213	0.00	20.55	0.00	No Trend	0.0067
PMKOH	Annual	B	BWTEMP	0.00	0.6464	0.01	20.53	0.63	No Trend	0.0137
MPNTF	Annual	S	SCHLA	71.38	0.1619	0.00	3.10	No Estimate	High BDLs	0.7476
MPNTF	Annual	S	STSS	26.21	0.7710	0.00	6.75	No Estimate	No Trend	0.2623
MPNTF	Annual	B	BTSS	18.11	0.8156	0.00	8.25	No Estimate	No Trend	0.1649
MPNTF	Annual	S	SECCHI	0.00	0.0003	-0.01	1.00	-23.00	Degrading	0.0061
MPNTF	Annual	B	BDO	0.00	0.2177	0.01	6.98	3.12	No Trend	0.1387
MPNTF	Annual	S	SSALINITY	0.00	0.0111	0.00	0.01	0.00	No Trend	0.9523
MPNTF	Annual	B	BSALINITY	0.00	0.0102	0.00	0.01	0.00	No Trend	0.9542
MPNTF	Annual	S	SWTEMP	0.00	0.0031	0.08	17.50	10.22	Increasing	0.0104
MPNTF	Annual	B	BWTEMP	0.00	0.0187	0.06	18.58	7.68	No Trend	0.0175

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
MPNOH	Annual	S	SCHLA	38.51	0.2502	0.00	4.25	No Estimate	High BDLs	0.5402
MPNOH	Annual	S	STSS	1.09	0.9120	0.00	26.00	0.00	No Trend	0.1332
MPNOH	Annual	B	BTSS	0.42	0.3007	0.33	44.00	17.42	No Trend	0.4136
MPNOH	Annual	S	SECCHI	0.00	0.7624	0.00	0.48	0.00	No Trend	0.4519
MPNOH	Annual	B	BDO	0.00	0.3113	0.01	6.08	2.70	No Trend	0.3467
MPNOH	Annual	S	SSALINITY	0.00	0.0031	0.07	3.38	49.79	Increasing	0.9697
MPNOH	Annual	B	BSALINITY	0.00	0.0040	0.09	4.31	45.69	Increasing	0.9844
MPNOH	Annual	S	SWTEMP	0.00	0.0802	0.03	20.50	3.12	No Trend	0.0201
MPNOH	Annual	B	BWTEMP	0.00	0.1391	0.02	20.33	2.83	No Trend	0.0108
YRKMH	Annual	S	SCHLA	11.58	0.1020	0.07	9.59	15.65	No Trend	0.3389
YRKMH	Annual	S	STSS	0.00	0.1130	-0.23	27.00	-16.84	No Trend	0.8667
YRKMH	Annual	B	BTSS	0.62	0.0177	1.00	39.00	51.28	No Trend	0.3465
YRKMH	Annual	S	SECCHI	0.00	0.2913	0.00	0.60	0.00	No Trend	0.5199
YRKMH	Annual	B	BDO	0.00	0.8146	0.00	6.30	0.00	No Trend	0.0901
YRKMH	Annual	S	SSALINITY	0.00	1.0000	0.00	12.43	0.00	No Trend	0.9683
YRKMH	Annual	B	BSALINITY	0.00	0.6531	-0.01	13.58	-2.36	No Trend	0.9220
YRKMH	Annual	S	SWTEMP	0.00	0.8292	0.00	20.05	0.47	No Trend	0.0066
YRKMH	Annual	B	BWTEMP	0.00	0.4527	0.01	19.90	1.16	No Trend	0.0010
YRKPH	Annual	S	SCHLA	11.82	0.0039	0.08	8.00	24.31	Degrading	0.0219
YRKPH	Annual	S	STSS	20.31	0.1419	0.06	6.00	No Estimate	No Trend	0.7803
YRKPH	Annual	B	BTSS	4.69	0.0176	0.37	17.75	41.61	No Trend	0.6337
YRKPH	Annual	S	SECCHI	0.00	0.0000	-0.01	1.20	-20.54	Degrading	0.3446
YRKPH	Annual	B	BDO	0.00	0.9295	0.00	6.88	0.00	No Trend	0.1494
YRKPH	Annual	S	SSALINITY	0.00	0.0041	-0.08	20.65	-8.77	Decreasing	0.9157
YRKPH	Annual	B	BSALINITY	0.00	0.0317	-0.05	22.06	-5.61	No Trend	0.7602
YRKPH	Annual	S	SWTEMP	0.00	0.6837	-0.01	19.03	-0.66	No Trend	0.0252
YRKPH	Annual	B	BWTEMP	0.00	0.9810	0.00	18.73	0.00	No Trend	0.0156
MOBPH	Annual	S	SCHLA	1.39	0.0311	0.07	5.62	29.13	No Trend	0.6242
MOBPH	Annual	S	STSS	2.98	0.0000	-0.23	10.00	-53.74	Improving	0.8882
MOBPH	Annual	B	BTSS	1.45	0.0000	-0.28	15.00	-43.32	Improving	0.2473
MOBPH	Annual	S	SECCHI	0.00	0.0000	-0.02	1.45	-29.22	Degrading	0.6113
MOBPH	Annual	B	BDO	0.00	0.0000	0.05	7.68	14.73	Improving	0.2497
MOBPH	Annual	S	SSALINITY	0.00	0.0019	-0.08	22.22	-7.95	Decreasing	0.9998
MOBPH	Annual	B	BSALINITY	0.00	0.0001	-0.09	22.89	-8.78	Decreasing	0.9895
MOBPH	Annual	S	SWTEMP	0.00	0.1456	0.02	18.45	3.04	No Trend	0.7969
MOBPH	Annual	B	BWTEMP	0.00	0.0674	0.03	17.63	3.65	No Trend	0.8296
RPPTF	Annual	S	SCHLA	30.52	0.6102	0.00	12.39	No Estimate	No Trend	0.6247
RPPTF	Annual	S	STSS	2.47	0.4340	-0.08	24.75	-6.22	No Trend	0.7951
RPPTF	Annual	B	BTSS	2.34	0.2546	-0.23	36.75	-12.46	No Trend	0.9300
RPPTF	Annual	S	SECCHI	0.00	0.1086	0.00	0.50	0.00	No Trend	0.2396
RPPTF	Annual	B	BDO	0.00	0.3186	-0.01	8.60	-2.97	No Trend	0.0454
RPPTF	Annual	S	SSALINITY	0.00	0.0000	0.00	0.01	0.00	Unchanged	0.9926
RPPTF	Annual	B	BSALINITY	0.00	0.0000	0.00	0.01	0.00	Unchanged	0.9381
RPPTF	Annual	S	SWTEMP	0.00	0.1369	0.03	16.33	4.23	No Trend	0.4625
RPPTF	Annual	B	BWTEMP	0.00	0.0894	0.03	17.75	4.12	No Trend	0.6488
RPPOH	Annual	S	SCHLA	21.43	0.0000	0.17	5.04	No Estimate	Degrading	0.1867
RPPOH	Annual	S	STSS	0.82	0.5319	-0.08	31.00	-5.38	No Trend	0.6174
RPPOH	Annual	B	BTSS	0.41	0.0289	0.50	39.00	25.64	No Trend	0.6691
RPPOH	Annual	S	SECCHI	0.00	0.0267	0.00	0.40	0.00	No Trend	0.0583
RPPOH	Annual	B	BDO	0.00	0.3323	0.01	8.65	2.66	No Trend	0.1466
RPPOH	Annual	S	SSALINITY	0.00	0.0299	0.00	2.17	0.00	No Trend	0.9933
RPPOH	Annual	B	BSALINITY	0.00	0.0802	0.00	2.59	0.00	No Trend	0.9812
RPPOH	Annual	S	SWTEMP	0.00	0.0365	0.04	16.00	5.87	No Trend	0.0602
RPPOH	Annual	B	BWTEMP	0.00	0.1288	0.03	16.40	3.70	No Trend	0.0791

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
RPPMH	Annual	S	SCHLA	10.52	0.0003	0.10	8.33	26.63	Degrading	0.3130
RPPMH	Annual	S	STSS	22.99	0.1061	-0.05	7.00	No Estimate	No Trend	0.3359
RPPMH	Annual	B	BTSS	8.74	0.2522	0.09	10.75	18.67	No Trend	0.1349
RPPMH	Annual	S	SECCHI	0.00	0.0019	-0.01	1.28	-17.61	Degrading	0.2738
RPPMH	Annual	B	BDO	0.00	0.8071	0.00	7.03	-0.39	No Trend	0.3837
RPPMH	Annual	S	SSALINITY	0.00	0.0000	-0.13	15.30	-19.52	Decreasing	0.9999
RPPMH	Annual	B	BSALINITY	0.00	0.0002	-0.10	17.02	-13.52	Decreasing	0.9765
RPPMH	Annual	S	SWTEMP	0.00	0.3289	0.01	17.90	1.59	No Trend	0.0628
RPPMH	Annual	B	BWTEMP	0.00	0.9939	0.00	16.23	0.00	No Trend	0.0182
CRRMH	Annual	S	SCHLA	16.05	0.0152	0.05	7.33	No Estimate	No Trend	0.5475
CRRMH	Annual	S	STSS	56.99	0.0052	0.00	5.00	No Estimate	High BDLs	0.0283
CRRMH	Annual	B	BTSS	36.82	0.0405	0.00	13.50	No Estimate	High BDLs	0.2740
CRRMH	Annual	S	SECCHI	0.00	0.0000	-0.02	1.95	-20.94	Degrading	0.1221
CRRMH	Annual	B	BDO	0.00	0.2713	-0.01	7.33	-4.49	No Trend	0.6518
CRRMH	Annual	S	SSALINITY	0.00	0.0000	-0.13	16.51	-18.57	Decreasing	1.0000
CRRMH	Annual	B	BSALINITY	0.00	0.0000	-0.11	16.84	-14.44	Decreasing	0.9981
CRRMH	Annual	S	SWTEMP	0.00	0.2699	0.02	18.50	2.07	No Trend	0.1689
CRRMH	Annual	B	BWTEMP	0.00	0.6547	-0.01	17.83	-0.76	No Trend	0.0113
PIAMH	Annual	S	SCHLA	10.03	0.0963	0.06	7.69	17.96	No Trend	0.8823
PIAMH	Annual	S	STSS	18.18	0.0000	-0.14	6.00	No Estimate	Improving	0.7614
PIAMH	Annual	B	BTSS	9.68	0.0000	-0.17	12.25	-32.17	Improving	0.9572
PIAMH	Annual	S	SECCHI	0.00	0.0000	-0.03	1.80	-31.94	Degrading	0.7053
PIAMH	Annual	B	BDO	0.00	0.0000	0.06	8.28	16.68	Improving	0.2925
PIAMH	Annual	S	SSALINITY	0.00	0.0014	-0.09	18.17	-11.56	Decreasing	0.9990
PIAMH	Annual	B	BSALINITY	0.00	0.0014	-0.08	18.92	-10.13	Decreasing	0.9867
PIAMH	Annual	S	SWTEMP	0.00	0.2962	0.02	17.65	2.50	No Trend	0.3352
PIAMH	Annual	B	BWTEMP	0.00	0.8033	0.00	16.88	0.41	No Trend	0.4403
POCMH	Annual	S	SCHLA	0.66	0.0178	0.08	8.65	21.65	No Trend	0.5384
POCMH	Annual	S	STSS	1.13	0.0004	-0.27	13.50	-46.80	Improving	0.2370
POCMH	Annual	B	BTSS	0.81	0.0003	-0.32	17.15	-42.56	Improving	0.5076
POCMH	Annual	S	SECCHI	0.00	0.0000	-0.01	1.10	-26.14	Degrading	0.0223
POCMH	Annual	B	BDO	0.00	0.0128	0.02	8.10	4.73	No Trend	0.7883
POCMH	Annual	S	SSALINITY	0.00	0.0004	-0.08	19.02	-9.39	Decreasing	0.9941
POCMH	Annual	B	BSALINITY	0.00	0.0011	-0.07	18.98	-8.38	Decreasing	0.9908
POCMH	Annual	S	SWTEMP	0.00	0.5426	0.01	18.80	1.22	No Trend	0.7677
POCMH	Annual	B	BWTEMP	0.00	0.8664	0.00	18.70	0.16	No Trend	0.7760
CB6PH	Annual	S	SCHLA	1.79	0.2817	0.03	6.84	10.81	No Trend	0.5457
CB6PH	Annual	S	STSS	8.97	0.0002	-0.10	7.45	-31.50	Improving	0.3889
CB6PH	Annual	B	BTSS	1.04	0.0083	-0.17	15.00	-25.98	Improving	0.0099
CB6PH	Annual	S	SECCHI	0.00	0.0000	-0.02	2.00	-25.72	Degrading	0.1904
CB6PH	Annual	B	BDO	0.00	0.0000	0.03	7.05	11.26	Improving	0.6074
CB6PH	Annual	S	SSALINITY	0.00	0.0023	-0.07	19.69	-8.05	Decreasing	0.9977
CB6PH	Annual	B	BSALINITY	0.00	0.0006	-0.06	23.41	-6.19	Decreasing	0.9621
CB6PH	Annual	S	SWTEMP	0.00	0.7449	0.00	17.38	0.52	No Trend	0.7863
CB6PH	Annual	B	BWTEMP	0.00	0.8102	0.00	16.50	0.50	No Trend	0.7660
CB7PH	Annual	S	SCHLA	2.33	0.0386	0.05	5.10	21.47	No Trend	0.2959
CB7PH	Annual	S	STSS	8.27	0.0002	-0.10	7.00	-32.75	Improving	0.6881
CB7PH	Annual	B	BTSS	1.27	0.0027	-0.19	15.00	-28.62	Improving	0.0266
CB7PH	Annual	S	SECCHI	0.00	0.0000	-0.03	2.10	-27.38	Degrading	0.0624
CB7PH	Annual	B	BDO	0.00	0.0010	0.02	7.70	7.12	Improving	0.7817
CB7PH	Annual	S	SSALINITY	0.00	0.0067	-0.07	20.82	-7.67	Decreasing	0.9857
CB7PH	Annual	B	BSALINITY	0.00	0.0712	-0.03	24.43	-3.23	No Trend	0.7272
CB7PH	Annual	S	SWTEMP	0.00	0.1193	0.02	16.33	2.33	No Trend	0.7645
CB7PH	Annual	B	BWTEMP	0.00	0.4711	0.01	16.00	1.64	No Trend	0.5189

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
CB8PH	Annual	S	SCHLA	3.36	0.0230	0.06	4.48	32.95	No Trend	0.0161
CB8PH	Annual	S	STSS	8.39	0.2330	0.03	6.53	10.97	No Trend	0.4005
CB8PH	Annual	B	BTSS	0.98	0.0919	-0.10	11.73	-18.81	No Trend	0.5501
CB8PH	Annual	S	SECCHI	0.00	0.0000	-0.03	2.03	-28.40	Degrading	0.2786
CB8PH	Annual	B	BDO	0.00	0.0000	0.03	7.70	8.96	Improving	0.4329
CB8PH	Annual	S	SSALINITY	0.00	0.0001	-0.10	25.53	-8.59	Decreasing	0.9698
CB8PH	Annual	B	BSALINITY	0.00	0.0000	-0.06	29.92	-4.64	Decreasing	0.7531
CB8PH	Annual	S	SWTEMP	0.00	0.5137	0.01	15.93	1.59	No Trend	0.1870
CB8PH	Annual	B	BWTEMP	0.00	0.1499	0.03	15.63	3.80	No Trend	0.2746
APPTF	SAV1	S	SCHLA	17.42	0.0169	-0.65	43.51	No Estimate	No Trend	0.8043
APPTF	SAV1	S	STSS	0.00	0.6252	-0.03	23.75	-2.63	No Trend	0.3896
APPTF	SAV1	B	BTSS	0.00	0.7817	-0.05	30.25	-3.49	No Trend	0.6518
APPTF	SAV1	S	SECCHI	0.00	0.0001	0.00	0.50	-18.43	Degrading	0.1137
APPTF	SAV1	B	BDO	0.00	0.2822	0.01	8.20	4.17	No Trend	0.0664
APPTF	SAV1	S	SSALINITY	0.00	0.1561	0.00	0.01	0.00	No Trend	0.7108
APPTF	SAV1	B	BSALINITY	0.00	0.1198	0.00	0.01	0.00	No Trend	0.6918
APPTF	SAV1	S	SWTEMP	0.00	0.0182	0.07	22.75	7.48	No Trend	0.1548
APPTF	SAV1	B	BWTEMP	0.00	0.0509	0.07	22.50	6.81	No Trend	0.1859
JMSTF1	SAV1	S	SCHLA	12.95	0.0003	-0.66	24.30	-62.15	Improving	0.9488
JMSTF1	SAV1	S	STSS	0.26	0.8309	0.00	20.50	0.00	No Trend	0.6502
JMSTF1	SAV1	B	BTSS	0.52	0.4773	-0.50	37.25	-26.85	No Trend	0.9170
JMSTF1	SAV1	S	SECCHI	0.00	0.0001	-0.01	0.65	-25.27	Degrading	0.6498
JMSTF1	SAV1	B	BDO	0.00	0.4267	0.01	6.73	3.42	No Trend	0.5376
JMSTF1	SAV1	S	SSALINITY	0.00	0.1859	0.00	0.01	0.00	No Trend	0.9909
JMSTF1	SAV1	B	BSALINITY	0.00	0.3390	0.00	0.01	0.00	No Trend	0.9490
JMSTF1	SAV1	S	SWTEMP	0.00	0.1835	0.03	23.10	3.24	No Trend	0.0630
JMSTF1	SAV1	B	BWTEMP	0.00	0.1876	0.03	22.88	3.40	No Trend	0.1534
JMSTF2	SAV1	S	SCHLA	72.54	0.0551	0.00	4.87	No Estimate	High BDLs	0.9700
JMSTF2	SAV1	S	STSS	32.72	0.0753	0.09	10.00	No Estimate	No Trend	0.2311
JMSTF2	SAV1	B	BTSS	4.35	0.0001	0.56	17.50	64.29	Degrading	0.9009
JMSTF2	SAV1	S	SECCHI	0.00	0.0001	-0.02	1.00	-43.81	Degrading	0.4323
JMSTF2	SAV1	B	BDO	0.00	0.4754	0.01	6.55	2.51	No Trend	0.2883
JMSTF2	SAV1	S	SSALINITY	0.00	0.0236	0.00	0.01	0.00	No Trend	0.9170
JMSTF2	SAV1	B	BSALINITY	0.00	0.0208	0.00	0.01	0.00	No Trend	0.9744
JMSTF2	SAV1	S	SWTEMP	0.00	0.2948	0.03	24.03	2.79	No Trend	0.7291
JMSTF2	SAV1	B	BWTEMP	0.00	0.1147	0.05	21.88	5.26	No Trend	0.2147
CHKOH	SAV1	S	SCHLA	6.87	0.0000	-0.53	23.93	-44.57	Improving	0.4475
CHKOH	SAV1	S	STSS	0.00	0.1111	0.19	17.50	21.43	No Trend	0.4699
CHKOH	SAV1	B	BTSS	0.00	0.0013	1.17	32.50	71.79	Degrading	0.8669
CHKOH	SAV1	S	SECCHI	0.00	0.0000	-0.01	0.60	-37.04	Degrading	0.1093
CHKOH	SAV1	B	BDO	0.00	0.4941	-0.01	6.40	-2.56	No Trend	0.7515
CHKOH	SAV1	S	SSALINITY	0.00	0.0015	0.00	0.01	0.00	Unchanged	0.9047
CHKOH	SAV1	B	BSALINITY	0.00	0.0012	0.00	0.01	0.00	Unchanged	0.8946
CHKOH	SAV1	S	SWTEMP	0.00	0.0425	0.06	22.58	5.38	No Trend	0.0808
CHKOH	SAV1	B	BWTEMP	0.00	0.0322	0.06	22.45	5.44	No Trend	0.0925
JMSOH	SAV1	S	SCHLA	12.26	0.0679	-0.09	7.69	-26.85	No Trend	0.0921
JMSOH	SAV1	S	STSS	2.38	0.3454	-0.14	26.25	-10.39	No Trend	0.0807
JMSOH	SAV1	B	BTSS	0.78	0.6093	0.23	57.50	8.12	No Trend	0.2930
JMSOH	SAV1	S	SECCHI	0.00	0.5160	0.00	0.63	0.00	No Trend	0.4237
JMSOH	SAV1	B	BDO	0.00	0.0327	-0.02	7.00	-5.48	No Trend	0.3780
JMSOH	SAV1	S	SSALINITY	0.00	0.1543	0.02	3.85	9.96	No Trend	0.8941
JMSOH	SAV1	B	BSALINITY	0.00	0.2185	0.03	4.36	16.34	No Trend	0.8775
JMSOH	SAV1	S	SWTEMP	0.00	0.3437	0.02	23.90	2.38	No Trend	0.1462
JMSOH	SAV1	B	BWTEMP	0.00	0.3089	0.02	23.75	2.34	No Trend	0.1213

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
JMSMH	SAV1	S	SCHLA	30.82	0.1786	0.02	4.67	No Estimate	No Trend	0.0040
JMSMH	SAV1	S	STSS	7.87	0.1590	-0.10	19.00	-12.11	No Trend	0.9586
JMSMH	SAV1	B	BTSS	2.77	0.0003	0.88	24.75	70.71	Degrading	0.8788
JMSMH	SAV1	S	SECCHI	0.00	0.5899	0.00	1.08	0.00	No Trend	0.5138
JMSMH	SAV1	B	BDO	0.00	0.9351	0.00	6.48	0.00	No Trend	0.0066
JMSMH	SAV1	S	SSALINITY	0.00	0.9839	0.00	15.82	0.00	No Trend	0.9326
JMSMH	SAV1	B	BSALINITY	0.00	0.4997	-0.02	19.31	-2.61	No Trend	0.9979
JMSMH	SAV1	S	SWTEMP	0.00	0.6035	0.01	23.73	0.82	No Trend	0.2292
JMSMH	SAV1	B	BWTEMP	0.00	0.4302	0.01	23.45	1.37	No Trend	0.1738
JMSPH	SAV1	S	SCHLA	18.87	0.0001	0.12	5.98	No Estimate	Degrading	0.2612
JMSPH	SAV1	S	STSS	8.80	0.3582	0.05	9.35	11.71	No Trend	0.0544
JMSPH	SAV1	B	BTSS	0.70	0.6970	-0.05	19.00	-6.37	No Trend	0.0212
JMSPH	SAV1	S	SECCHI	0.00	0.0000	-0.01	1.35	-21.30	Degrading	0.7146
JMSPH	SAV1	B	BDO	0.00	0.0000	0.04	6.15	14.96	Improving	0.9000
JMSPH	SAV1	S	SSALINITY	0.00	0.0133	-0.07	22.13	-7.80	No Trend	0.9445
JMSPH	SAV1	B	BSALINITY	0.00	0.0000	-0.19	24.83	-17.39	Decreasing	0.6449
JMSPH	SAV1	S	SWTEMP	0.00	0.8730	0.00	23.10	0.11	No Trend	0.4772
JMSPH	SAV1	B	BWTEMP	0.00	0.0001	0.07	22.50	7.35	Increasing	0.1500
PMKTF	SAV1	S	SCHLA	77.63	0.1860	0.00	4.23	No Estimate	High BDLs	0.0307
PMKTF	SAV1	S	STSS	1.59	0.0211	0.23	12.25	38.10	No Trend	0.5986
PMKTF	SAV1	B	BTSS	1.61	0.2964	-0.18	19.00	-18.80	No Trend	0.2854
PMKTF	SAV1	S	SECCHI	0.00	0.0185	-0.01	0.70	-17.29	No Trend	0.0519
PMKTF	SAV1	B	BDO	0.00	0.0015	0.03	5.80	11.90	Improving	0.0351
PMKTF	SAV1	S	SSALINITY	0.00	0.0024	0.00	0.01	0.00	Unchanged	0.8793
PMKTF	SAV1	B	BSALINITY	0.00	0.0033	0.00	0.01	0.00	Unchanged	0.9004
PMKTF	SAV1	S	SWTEMP	0.00	0.2300	0.03	22.88	2.90	No Trend	0.0009
PMKTF	SAV1	B	BWTEMP	0.00	0.3464	0.02	22.88	2.43	No Trend	0.0014
PMKOH	SAV1	S	SCHLA	24.84	0.4006	0.03	7.54	No Estimate	No Trend	0.3819
PMKOH	SAV1	S	STSS	0.71	0.0022	-0.88	45.00	-44.72	Improving	0.7740
PMKOH	SAV1	B	BTSS	0.00	0.1128	-2.00	148.50	-26.94	No Trend	0.4414
PMKOH	SAV1	S	SECCHI	0.00	0.0185	0.00	0.45	0.00	No Trend	0.5908
PMKOH	SAV1	B	BDO	0.00	0.7170	0.00	5.58	-1.29	No Trend	0.0154
PMKOH	SAV1	S	SSALINITY	0.00	0.0984	0.03	5.03	13.40	No Trend	0.9366
PMKOH	SAV1	B	BSALINITY	0.00	0.2037	0.03	5.33	14.52	No Trend	0.8609
PMKOH	SAV1	S	SWTEMP	0.00	0.7839	0.00	24.43	-0.43	No Trend	0.0054
PMKOH	SAV1	B	BWTEMP	0.00	0.8719	0.00	24.45	0.09	No Trend	0.0049
MPNTF	SAV1	S	SCHLA	82.35	0.0972	0.00	4.59	No Estimate	High BDLs	0.7858
MPNTF	SAV1	S	STSS	27.56	0.5965	0.00	6.50	No Estimate	No Trend	0.0779
MPNTF	SAV1	B	BTSS	17.74	0.3187	0.00	8.75	No Estimate	No Trend	0.0889
MPNTF	SAV1	S	SECCHI	0.00	0.0299	-0.01	1.00	-14.38	No Trend	0.0026
MPNTF	SAV1	B	BDO	0.00	0.0387	0.02	6.35	6.29	No Trend	0.2549
MPNTF	SAV1	S	SSALINITY	0.00	0.0442	0.00	0.01	0.00	No Trend	0.5894
MPNTF	SAV1	B	BSALINITY	0.00	0.0398	0.00	0.01	0.00	No Trend	0.5973
MPNTF	SAV1	S	SWTEMP	0.00	0.0075	0.09	23.38	8.54	Increasing	0.0143
MPNTF	SAV1	B	BWTEMP	0.00	0.0577	0.06	23.00	6.27	No Trend	0.0343
MPNOH	SAV1	S	SCHLA	40.91	0.9824	0.00	7.42	No Estimate	High BDLs	0.3582
MPNOH	SAV1	S	STSS	1.42	0.2407	0.20	19.00	24.21	No Trend	0.5248
MPNOH	SAV1	B	BTSS	0.82	0.5363	0.33	44.00	17.42	No Trend	0.1568
MPNOH	SAV1	S	SECCHI	0.00	0.2848	0.00	0.53	0.00	No Trend	0.8645
MPNOH	SAV1	B	BDO	0.00	0.1069	0.01	5.33	5.40	No Trend	0.1679
MPNOH	SAV1	S	SSALINITY	0.00	0.0197	0.08	4.27	44.71	No Trend	0.8705
MPNOH	SAV1	B	BSALINITY	0.00	0.0162	0.10	5.02	44.90	No Trend	0.9143
MPNOH	SAV1	S	SWTEMP	0.00	0.3167	0.02	24.50	2.05	No Trend	0.0193
MPNOH	SAV1	B	BWTEMP	0.00	0.6554	0.01	24.38	0.94	No Trend	0.0149

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
YRKMh	SAV1	S	SCHLA	11.07	0.5213	0.04	9.59	10.60	No Trend	0.4653
YRKMh	SAV1	S	STSS	0.00	0.0358	-0.32	32.75	-19.26	No Trend	0.8973
YRKMh	SAV1	B	BTSS	0.41	0.3934	0.42	44.50	18.73	No Trend	0.3194
YRKMh	SAV1	S	SECCHI	0.00	0.2316	0.00	0.50	0.00	No Trend	0.4147
YRKMh	SAV1	B	BDO	0.00	0.9836	0.00	5.53	0.00	No Trend	0.0508
YRKMh	SAV1	S	SSALINITY	0.00	0.4561	-0.03	13.61	-5.76	No Trend	0.9355
YRKMh	SAV1	B	BSALINITY	0.00	0.2268	-0.04	15.31	-5.78	No Trend	0.9331
YRKMh	SAV1	S	SWTEMP	0.00	0.9920	0.00	24.28	0.00	No Trend	0.0022
YRKMh	SAV1	B	BWTEMP	0.00	0.6648	0.01	24.40	0.63	No Trend	0.0007
YRKPH	SAV1	S	SCHLA	12.50	0.0003	0.14	8.00	39.33	Degrading	0.2773
YRKPH	SAV1	S	STSS	19.39	0.3113	0.07	6.00	No Estimate	No Trend	0.7424
YRKPH	SAV1	B	BTSS	4.45	0.4383	0.17	22.00	15.15	No Trend	0.8035
YRKPH	SAV1	S	SECCHI	0.00	0.0000	-0.01	1.25	-23.00	Degrading	0.2869
YRKPH	SAV1	B	BDO	0.00	0.7118	0.01	5.15	2.76	No Trend	0.0387
YRKPH	SAV1	S	SSALINITY	0.00	0.0015	-0.10	21.83	-10.79	Decreasing	0.9069
YRKPH	SAV1	B	BSALINITY	0.00	0.0170	-0.07	23.58	-6.85	No Trend	0.9779
YRKPH	SAV1	S	SWTEMP	0.00	0.3823	-0.02	23.80	-1.57	No Trend	0.0351
YRKPH	SAV1	B	BWTEMP	0.00	0.4498	-0.01	23.25	-1.24	No Trend	0.0226
MOBPH	SAV1	S	SCHLA	2.27	0.0122	0.10	5.73	41.36	No Trend	0.5038
MOBPH	SAV1	S	STSS	3.75	0.0013	-0.20	9.90	-45.63	Improving	0.8001
MOBPH	SAV1	B	BTSS	2.10	0.0059	-0.20	16.50	-27.63	Improving	0.1024
MOBPH	SAV1	S	SECCHI	0.00	0.0000	-0.02	1.28	-33.23	Degrading	0.9120
MOBPH	SAV1	B	BDO	0.00	0.0000	0.05	6.90	16.67	Improving	0.1281
MOBPH	SAV1	S	SSALINITY	0.00	0.0053	-0.08	22.29	-8.47	Decreasing	0.9991
MOBPH	SAV1	B	BSALINITY	0.00	0.0033	-0.08	22.72	-8.60	Decreasing	0.9823
MOBPH	SAV1	S	SWTEMP	0.00	0.4245	0.02	22.00	1.74	No Trend	0.6558
MOBPH	SAV1	B	BWTEMP	0.00	0.1342	0.03	21.85	2.93	No Trend	0.5811
RPPTF	SAV1	S	SCHLA	32.04	0.6617	-0.02	25.14	No Estimate	No Trend	0.2588
RPPTF	SAV1	S	STSS	2.02	0.1342	-0.15	24.75	-11.83	No Trend	0.7942
RPPTF	SAV1	B	BTSS	1.78	0.1312	-0.33	35.75	-18.65	No Trend	0.9303
RPPTF	SAV1	S	SECCHI	0.00	0.9897	0.00	0.40	0.00	No Trend	0.3566
RPPTF	SAV1	B	BDO	0.00	0.0474	-0.02	7.88	-7.01	No Trend	0.0799
RPPTF	SAV1	S	SSALINITY	0.00	0.0000	0.00	0.01	0.00	Unchanged	0.9814
RPPTF	SAV1	B	BSALINITY	0.00	0.0000	0.00	0.01	0.00	Unchanged	0.7952
RPPTF	SAV1	S	SWTEMP	0.00	0.2387	0.03	23.63	2.84	No Trend	0.3503
RPPTF	SAV1	B	BWTEMP	0.00	0.1341	0.03	24.00	3.13	No Trend	0.3460
RPPOH	SAV1	S	SCHLA	15.79	0.0000	0.36	9.33	No Estimate	Degrading	0.3729
RPPOH	SAV1	S	STSS	0.79	0.1411	-0.24	29.00	-16.23	No Trend	0.5275
RPPOH	SAV1	B	BTSS	0.00	0.1106	0.44	41.00	21.68	No Trend	0.3264
RPPOH	SAV1	S	SECCHI	0.00	0.0123	0.00	0.58	0.00	No Trend	0.0118
RPPOH	SAV1	B	BDO	0.00	0.4899	0.01	6.58	3.03	No Trend	0.1224
RPPOH	SAV1	S	SSALINITY	0.00	0.0282	-0.01	3.99	-2.96	No Trend	0.9535
RPPOH	SAV1	B	BSALINITY	0.00	0.0856	0.00	4.34	0.00	No Trend	0.8637
RPPOH	SAV1	S	SWTEMP	0.00	0.1094	0.04	24.08	3.45	No Trend	0.0131
RPPOH	SAV1	B	BWTEMP	0.00	0.2257	0.02	24.65	2.11	No Trend	0.0238
RPPMH	SAV1	S	SCHLA	10.73	0.0018	0.10	8.49	27.82	Degrading	0.6958
RPPMH	SAV1	S	STSS	22.53	0.0489	-0.10	7.00	No Estimate	No Trend	0.3125
RPPMH	SAV1	B	BTSS	6.72	0.3424	0.09	9.25	23.23	No Trend	0.0506
RPPMH	SAV1	S	SECCHI	0.00	0.0089	-0.01	1.20	-13.69	Degrading	0.0825
RPPMH	SAV1	B	BDO	0.00	0.1475	-0.02	5.95	-6.01	No Trend	0.5838
RPPMH	SAV1	S	SSALINITY	0.00	0.0019	-0.10	16.06	-14.32	Decreasing	0.9987
RPPMH	SAV1	B	BSALINITY	0.00	0.0267	-0.07	17.02	-9.91	No Trend	0.9050
RPPMH	SAV1	S	SWTEMP	0.00	0.8888	0.00	23.10	0.12	No Trend	0.0182
RPPMH	SAV1	B	BWTEMP	0.00	0.2675	-0.02	22.98	-1.94	No Trend	0.0108

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
CRRMH	SAV1	S	SCHLA	16.56	0.1816	0.06	11.24	No Estimate	No Trend	0.4924
CRRMH	SAV1	S	STSS	51.75	0.0003	0.00	8.00	No Estimate	High BDLs	0.2226
CRRMH	SAV1	B	BTSS	37.30	0.0145	-0.13	12.00	No Estimate	High BDLs	0.3687
CRRMH	SAV1	S	SECCHI	0.00	0.0000	-0.02	1.75	-21.90	Degrading	0.0399
CRRMH	SAV1	B	BDO	0.00	0.0642	-0.03	6.43	-11.19	No Trend	0.7814
CRRMH	SAV1	S	SSALINITY	0.00	0.0001	-0.13	17.48	-17.54	Decreasing	0.9998
CRRMH	SAV1	B	BSALINITY	0.00	0.0005	-0.10	17.59	-13.08	Decreasing	0.9980
CRRMH	SAV1	S	SWTEMP	0.00	0.3378	0.02	23.80	1.49	No Trend	0.0519
CRRMH	SAV1	B	BWTEMP	0.00	0.3382	-0.02	23.68	-1.54	No Trend	0.0048
PIAMH	SAV1	S	SCHLA	12.80	0.0515	0.08	7.77	22.91	No Trend	0.7004
PIAMH	SAV1	S	STSS	21.69	0.0071	-0.12	6.00	No Estimate	Improving	0.7192
PIAMH	SAV1	B	BTSS	10.24	0.0039	-0.18	12.63	-32.36	Improving	0.9749
PIAMH	SAV1	S	SECCHI	0.00	0.0000	-0.02	1.60	-32.51	Degrading	0.7129
PIAMH	SAV1	B	BDO	0.00	0.0000	0.06	6.78	20.37	Improving	0.0834
PIAMH	SAV1	S	SSALINITY	0.00	0.0115	-0.08	18.91	-10.00	No Trend	0.9901
PIAMH	SAV1	B	BSALINITY	0.00	0.0133	-0.08	19.41	-9.48	No Trend	0.8544
PIAMH	SAV1	S	SWTEMP	0.00	0.9422	0.00	21.70	-0.29	No Trend	0.2689
PIAMH	SAV1	B	BWTEMP	0.00	0.3957	-0.02	21.48	-1.79	No Trend	0.5081
POCMH	SAV1	S	SCHLA	0.32	0.0448	0.08	8.96	20.54	No Trend	0.4550
POCMH	SAV1	S	STSS	2.19	0.0030	-0.27	13.08	-47.75	Improving	0.2662
POCMH	SAV1	B	BTSS	1.56	0.0049	-0.29	18.43	-36.14	Improving	0.2822
POCMH	SAV1	S	SECCHI	0.00	0.0000	-0.01	1.08	-26.74	Degrading	0.0229
POCMH	SAV1	B	BDO	0.00	0.1416	0.01	6.95	3.82	No Trend	0.8098
POCMH	SAV1	S	SSALINITY	0.00	0.0149	-0.06	19.11	-7.57	No Trend	0.9975
POCMH	SAV1	B	BSALINITY	0.00	0.0267	-0.06	19.24	-6.58	No Trend	0.9921
POCMH	SAV1	S	SWTEMP	0.00	0.9681	0.00	23.23	0.00	No Trend	0.7136
POCMH	SAV1	B	BWTEMP	0.00	0.7645	-0.01	22.98	-0.50	No Trend	0.7573
CB6PH	SAV1	S	SCHLA	2.83	0.0807	0.06	6.32	21.42	No Trend	0.5517
CB6PH	SAV1	S	STSS	11.44	0.1147	-0.06	5.98	-22.80	No Trend	0.4070
CB6PH	SAV1	B	BTSS	1.53	0.7193	-0.03	11.95	-5.06	No Trend	0.0100
CB6PH	SAV1	S	SECCHI	0.00	0.0000	-0.03	1.98	-30.83	Degrading	0.5537
CB6PH	SAV1	B	BDO	0.00	0.0001	0.05	5.50	19.17	Improving	0.3651
CB6PH	SAV1	S	SSALINITY	0.00	0.0540	-0.06	20.02	-6.89	No Trend	0.9727
CB6PH	SAV1	B	BSALINITY	0.00	0.0481	-0.04	24.26	-4.14	No Trend	0.8560
CB6PH	SAV1	S	SWTEMP	0.00	0.5227	-0.01	22.23	-1.35	No Trend	0.7317
CB6PH	SAV1	B	BWTEMP	0.00	0.4846	-0.01	21.65	-1.40	No Trend	0.7978
CB7PH	SAV1	S	SCHLA	3.55	0.0023	0.08	4.55	39.74	Degrading	0.7755
CB7PH	SAV1	S	STSS	10.02	0.0877	-0.05	6.25	-17.09	No Trend	0.6709
CB7PH	SAV1	B	BTSS	1.80	0.1592	-0.10	13.76	-16.07	No Trend	0.0041
CB7PH	SAV1	S	SECCHI	0.00	0.0000	-0.03	2.13	-33.82	Degrading	0.4436
CB7PH	SAV1	B	BDO	0.00	0.0031	0.03	6.28	9.43	Improving	0.6895
CB7PH	SAV1	S	SSALINITY	0.00	0.0677	-0.05	21.33	-5.93	No Trend	0.9044
CB7PH	SAV1	B	BSALINITY	0.00	0.0995	-0.04	25.37	-3.26	No Trend	0.6956
CB7PH	SAV1	S	SWTEMP	0.00	0.7190	0.00	22.60	0.32	No Trend	0.6826
CB7PH	SAV1	B	BWTEMP	0.00	0.5292	-0.01	21.93	-0.95	No Trend	0.5811
CB8PH	SAV1	S	SCHLA	5.35	0.0061	0.09	4.44	44.71	Degrading	0.0607
CB8PH	SAV1	S	STSS	9.35	0.0441	0.06	6.35	23.32	No Trend	0.8033
CB8PH	SAV1	B	BTSS	1.02	0.8628	-0.01	10.83	-2.97	No Trend	0.3815
CB8PH	SAV1	S	SECCHI	0.00	0.0000	-0.04	2.20	-39.20	Degrading	0.8399
CB8PH	SAV1	B	BDO	0.00	0.0000	0.04	6.40	13.55	Improving	0.8808
CB8PH	SAV1	S	SSALINITY	0.00	0.0003	-0.10	25.30	-9.42	Decreasing	0.9692
CB8PH	SAV1	B	BSALINITY	0.00	0.0000	-0.06	29.92	-4.84	Decreasing	0.7595
CB8PH	SAV1	S	SWTEMP	0.00	0.2074	-0.02	21.58	-1.80	No Trend	0.5113
CB8PH	SAV1	B	BWTEMP	0.00	0.5285	-0.01	19.38	-1.36	No Trend	0.5713

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
APPTF	SAV2	S	SCHLA	6.70	0.1264	0.03	4.49	13.36	No Trend	0.5191
APPTF	SAV2	S	STSS	0.00	0.0169	-0.18	9.08	-46.08	No Trend	0.3170
APPTF	SAV2	B	BTSS	0.00	0.1041	-0.15	9.08	-39.15	No Trend	0.1795
APPTF	SAV2	S	SECCHI	0.00	0.0020	-0.01	0.98	-16.85	Degrading	0.0451
APPTF	SAV2	B	BDO	0.00	0.2800	0.01	8.28	2.94	No Trend	0.0157
APPTF	SAV2	S	SSALINITY	0.00	0.0930	0.00	9.65	0.00	No Trend	0.6088
APPTF	SAV2	B	BSALINITY	0.00	0.0979	0.00	9.65	0.00	No Trend	0.6074
APPTF	SAV2	S	SWTEMP	0.00	0.0139	0.06	19.55	7.63	No Trend	0.2389
APPTF	SAV2	B	BWTEMP	0.00	0.0269	0.06	19.05	7.29	No Trend	0.2544
JMSTF1	SAV2	S	SCHLA	6.52	0.8761	0.00	4.94	1.13	No Trend	0.0347
JMSTF1	SAV2	S	STSS	0.21	0.0401	-0.19	9.08	-47.46	No Trend	0.7489
JMSTF1	SAV2	B	BTSS	0.42	0.0227	-0.22	9.08	-56.36	No Trend	0.8883
JMSTF1	SAV2	S	SECCHI	0.00	0.0013	-0.01	1.00	-20.91	Degrading	0.0615
JMSTF1	SAV2	B	BDO	0.00	0.2008	0.01	7.73	3.58	No Trend	0.0800
JMSTF1	SAV2	S	SSALINITY	0.00	0.2083	0.00	9.68	0.00	No Trend	0.5546
JMSTF1	SAV2	B	BSALINITY	0.00	0.2394	0.00	9.68	0.00	No Trend	0.5094
JMSTF1	SAV2	S	SWTEMP	0.00	0.0069	0.07	18.55	8.27	Increasing	0.2428
JMSTF1	SAV2	B	BWTEMP	0.00	0.0226	0.06	18.43	6.87	No Trend	0.4553
JMSTF2	SAV2	S	SCHLA	61.54	0.0802	0.00	4.49	No Estimate	High BDLs	0.7873
JMSTF2	SAV2	S	STSS	28.87	0.2463	-0.11	9.08	No Estimate	No Trend	0.3398
JMSTF2	SAV2	B	BTSS	1.27	0.5550	-0.06	9.08	-14.81	No Trend	0.0480
JMSTF2	SAV2	S	SECCHI	0.00	0.0000	-0.02	1.25	-33.45	Degrading	0.4321
JMSTF2	SAV2	B	BDO	0.00	0.5329	0.01	7.55	1.52	No Trend	0.0392
JMSTF2	SAV2	S	SSALINITY	0.00	0.2585	0.00	9.63	0.00	No Trend	0.2690
JMSTF2	SAV2	B	BSALINITY	0.00	0.2938	0.00	9.63	0.00	No Trend	0.3408
JMSTF2	SAV2	S	SWTEMP	0.00	0.1732	0.04	19.55	4.95	No Trend	0.7239
JMSTF2	SAV2	B	BWTEMP	0.00	0.0327	0.06	18.93	7.73	No Trend	0.3438
CHKOH	SAV2	S	SCHLA	4.32	0.2998	0.02	4.30	12.64	No Trend	0.4365
CHKOH	SAV2	S	STSS	0.00	0.0800	-0.15	9.08	-38.46	No Trend	0.7428
CHKOH	SAV2	B	BTSS	0.00	0.3225	-0.13	9.08	-31.68	No Trend	0.2552
CHKOH	SAV2	S	SECCHI	0.00	0.0000	-0.01	1.50	-19.17	Degrading	0.2718
CHKOH	SAV2	B	BDO	0.00	0.1253	0.02	6.33	5.45	No Trend	0.0725
CHKOH	SAV2	S	SSALINITY	0.00	0.4360	0.00	20.34	0.00	No Trend	0.2034
CHKOH	SAV2	B	BSALINITY	0.00	0.4360	0.00	20.34	0.00	No Trend	0.2034
CHKOH	SAV2	S	SWTEMP	0.00	0.0553	0.05	21.03	5.47	No Trend	0.1881
CHKOH	SAV2	B	BWTEMP	0.00	0.0600	0.05	21.03	4.97	No Trend	0.1607
JMSOH	SAV2	S	SCHLA	6.55	0.2852	0.03	4.54	13.08	No Trend	0.1877
JMSOH	SAV2	S	STSS	1.90	0.0006	-0.29	9.08	-72.83	Improving	0.8443
JMSOH	SAV2	B	BTSS	0.63	0.0036	-0.28	9.08	-71.90	Improving	0.8111
JMSOH	SAV2	S	SECCHI	0.00	0.1035	0.00	0.93	-2.39	No Trend	0.0007
JMSOH	SAV2	B	BDO	0.00	0.9828	0.00	7.80	0.00	No Trend	0.0132
JMSOH	SAV2	S	SSALINITY	0.00	0.9826	0.00	11.03	0.00	No Trend	0.2507
JMSOH	SAV2	B	BSALINITY	0.00	0.9217	0.00	11.22	0.00	No Trend	0.1795
JMSOH	SAV2	S	SWTEMP	0.00	0.0717	0.05	18.38	5.72	No Trend	0.6615
JMSOH	SAV2	B	BWTEMP	0.00	0.0563	0.05	18.45	5.71	No Trend	0.5751
JMSMH	SAV2	S	SCHLA	23.54	0.4625	0.02	4.49	No Estimate	No Trend	0.3173
JMSMH	SAV2	S	STSS	3.93	0.1041	-0.13	12.70	-24.02	No Trend	0.7714
JMSMH	SAV2	B	BTSS	0.96	0.6406	-0.06	9.08	-15.52	No Trend	0.0938
JMSMH	SAV2	S	SECCHI	0.00	0.0381	-0.01	1.08	-11.89	No Trend	0.0033
JMSMH	SAV2	B	BDO	0.00	0.6737	0.00	7.65	1.09	No Trend	0.0485
JMSMH	SAV2	S	SSALINITY	0.00	0.4077	-0.04	16.96	-5.86	No Trend	0.5958
JMSMH	SAV2	B	BSALINITY	0.00	0.3601	-0.04	18.52	-5.00	No Trend	0.6366
JMSMH	SAV2	S	SWTEMP	0.00	0.1204	0.04	18.18	5.02	No Trend	0.6326
JMSMH	SAV2	B	BWTEMP	0.00	0.0549	0.04	17.95	5.62	No Trend	0.6482

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
JMSPH	SAV2	S	SCHLA	12.62	0.5676	0.01	6.94	4.46	No Trend	0.0994
JMSPH	SAV2	S	STSS	4.42	0.8970	0.00	9.78	-0.21	No Trend	0.0060
JMSPH	SAV2	B	BTSS	0.51	0.8885	-0.02	11.58	-4.65	No Trend	0.0052
JMSPH	SAV2	S	SECCHI	0.00	0.0001	-0.01	1.35	-19.85	Degrading	0.1843
JMSPH	SAV2	B	BDO	0.00	0.0065	0.02	7.75	6.64	Improving	0.2580
JMSPH	SAV2	S	SSALINITY	0.00	0.0668	-0.07	20.30	-7.39	No Trend	0.9226
JMSPH	SAV2	B	BSALINITY	0.00	0.0002	-0.12	21.52	-12.47	Decreasing	0.4337
JMSPH	SAV2	S	SWTEMP	0.00	0.1674	0.03	17.35	3.70	No Trend	0.7956
JMSPH	SAV2	B	BWTEMP	0.00	0.0124	0.06	16.83	7.56	No Trend	0.4128
PMKTF	SAV2	S	SCHLA	51.83	0.0139	0.00	3.24	No Estimate	High BDLs	0.7303
PMKTF	SAV2	S	STSS	1.90	0.7982	-0.03	9.08	-6.59	No Trend	0.0433
PMKTF	SAV2	B	BTSS	2.58	0.2917	-0.10	9.08	-26.07	No Trend	0.2448
PMKTF	SAV2	S	SECCHI	0.00	0.0000	-0.02	1.30	-29.49	Degrading	0.8264
PMKTF	SAV2	B	BDO	0.00	0.0006	0.03	7.13	10.05	Improving	0.1763
PMKTF	SAV2	S	SSALINITY	0.00	0.2766	0.00	9.65	0.00	No Trend	0.3037
PMKTF	SAV2	B	BSALINITY	0.00	0.2779	0.00	9.65	0.00	No Trend	0.3055
PMKTF	SAV2	S	SWTEMP	0.00	0.1009	-0.04	19.30	-4.83	No Trend	0.2051
PMKTF	SAV2	B	BWTEMP	0.00	0.1205	-0.04	19.18	-4.50	No Trend	0.2444
PMKOH	SAV2	S	SCHLA	14.29	0.0813	0.02	4.35	8.70	No Trend	0.6133
PMKOH	SAV2	S	STSS	0.58	0.0191	-0.22	29.30	-17.44	No Trend	0.8251
PMKOH	SAV2	B	BTSS	0.00	0.1404	-0.16	9.08	-41.15	No Trend	0.4214
PMKOH	SAV2	S	SECCHI	0.00	0.0144	0.00	0.80	0.00	No Trend	0.0025
PMKOH	SAV2	B	BDO	0.00	0.0014	0.03	7.05	8.26	Improving	0.1567
PMKOH	SAV2	S	SSALINITY	0.00	0.7266	0.00	12.17	-0.04	No Trend	0.4315
PMKOH	SAV2	B	BSALINITY	0.00	0.3827	-0.01	12.27	-2.52	No Trend	0.5636
PMKOH	SAV2	S	SWTEMP	0.00	0.0671	-0.03	18.48	-4.15	No Trend	0.0934
PMKOH	SAV2	B	BWTEMP	0.00	0.1021	-0.04	18.40	-4.38	No Trend	0.1483
MPNTF	SAV2	S	SCHLA	59.49	0.1237	0.00	3.54	No Estimate	High BDLs	0.4476
MPNTF	SAV2	S	STSS	32.92	0.2528	-0.09	9.08	No Estimate	No Trend	0.4314
MPNTF	SAV2	B	BTSS	20.89	0.1819	-0.12	9.08	No Estimate	No Trend	0.3124
MPNTF	SAV2	S	SECCHI	0.00	0.0000	-0.02	1.30	-29.49	Degrading	0.5749
MPNTF	SAV2	B	BDO	0.00	0.0024	0.02	7.18	7.88	Improving	0.3226
MPNTF	SAV2	S	SSALINITY	0.00	0.1114	0.00	9.63	0.00	No Trend	0.4821
MPNTF	SAV2	B	BSALINITY	0.00	0.1114	0.00	9.63	0.00	No Trend	0.4821
MPNTF	SAV2	S	SWTEMP	0.00	0.4151	-0.02	19.05	-2.01	No Trend	0.5955
MPNTF	SAV2	B	BWTEMP	0.00	0.3285	-0.02	18.93	-2.60	No Trend	0.5024
MPNOH	SAV2	S	SCHLA	26.04	0.0471	0.00	3.58	No Estimate	No Trend	0.5728
MPNOH	SAV2	S	STSS	0.58	0.4309	-0.11	11.80	-20.79	No Trend	0.1335
MPNOH	SAV2	B	BTSS	0.00	0.1551	-0.15	9.55	-36.30	No Trend	0.4017
MPNOH	SAV2	S	SECCHI	0.00	0.0143	0.00	0.90	-6.40	No Trend	0.0042
MPNOH	SAV2	B	BDO	0.00	0.0013	0.03	7.05	8.81	Improving	0.2246
MPNOH	SAV2	S	SSALINITY	0.00	0.6249	0.00	11.31	0.00	No Trend	0.4644
MPNOH	SAV2	B	BSALINITY	0.00	0.6421	0.00	11.78	0.00	No Trend	0.3858
MPNOH	SAV2	S	SWTEMP	0.00	0.2958	-0.02	18.55	-2.56	No Trend	0.3776
MPNOH	SAV2	B	BWTEMP	0.00	0.1967	-0.03	18.35	-3.36	No Trend	0.3343
YRKMH	SAV2	S	SCHLA	5.64	0.0070	0.06	6.22	23.56	Degrading	0.8608
YRKMH	SAV2	S	STSS	0.00	0.0659	-0.19	9.08	-47.49	No Trend	0.6447
YRKMH	SAV2	B	BTSS	0.32	0.6523	-0.06	9.08	-14.81	No Trend	0.1089
YRKMH	SAV2	S	SECCHI	0.00	0.0176	0.00	0.90	-11.62	No Trend	0.0022
YRKMH	SAV2	B	BDO	0.00	0.0030	0.03	7.05	9.13	Improving	0.3802
YRKMH	SAV2	S	SSALINITY	0.00	0.2442	-0.04	15.98	-6.17	No Trend	0.8212
YRKMH	SAV2	B	BSALINITY	0.00	0.2486	-0.04	16.48	-5.94	No Trend	0.6930
YRKMH	SAV2	S	SWTEMP	0.00	0.0787	-0.05	18.33	-5.86	No Trend	0.1763
YRKMH	SAV2	B	BWTEMP	0.00	0.1081	-0.03	18.13	-4.38	No Trend	0.2369

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
YRKPH	SAV2	S	SCHLA	7.99	0.2705	0.03	6.66	9.60	No Trend	0.5020
YRKPH	SAV2	S	STSS	15.90	0.3826	-0.07	8.80	No Estimate	No Trend	0.2036
YRKPH	SAV2	B	BTSS	3.23	0.2523	-0.13	9.08	-34.11	No Trend	0.2847
YRKPH	SAV2	S	SECCHI	0.00	0.0000	-0.02	1.40	-25.27	Degrading	0.3491
YRKPH	SAV2	B	BDO	0.00	0.0052	0.03	7.35	8.26	Improving	0.2661
YRKPH	SAV2	S	SSALINITY	0.00	0.0354	-0.07	19.68	-8.28	No Trend	0.9966
YRKPH	SAV2	B	BSALINITY	0.00	0.0946	-0.05	20.59	-5.57	No Trend	0.9498
YRKPH	SAV2	S	SWTEMP	0.00	0.0700	-0.04	17.43	-4.95	No Trend	0.1919
YRKPH	SAV2	B	BWTEMP	0.00	0.1011	-0.03	17.30	-4.17	No Trend	0.2596
MOBPH	SAV2	S	SCHLA	1.38	0.1919	0.03	4.38	13.68	No Trend	0.6356
MOBPH	SAV2	S	STSS	2.09	0.0030	-0.16	9.68	-37.62	Improving	0.8813
MOBPH	SAV2	B	BTSS	1.26	0.0903	-0.11	10.68	-23.38	No Trend	0.2420
MOBPH	SAV2	S	SECCHI	0.00	0.0000	-0.02	1.50	-30.67	Degrading	0.7452
MOBPH	SAV2	B	BDO	0.00	0.0001	0.04	7.63	11.05	Improving	0.0714
MOBPH	SAV2	S	SSALINITY	0.00	0.0337	-0.07	19.81	-8.68	No Trend	0.9990
MOBPH	SAV2	B	BSALINITY	0.00	0.0328	-0.08	19.88	-8.71	No Trend	0.9994
MOBPH	SAV2	S	SWTEMP	0.00	0.6429	0.01	17.60	1.56	No Trend	0.5435
MOBPH	SAV2	B	BWTEMP	0.00	0.7627	0.01	17.00	0.99	No Trend	0.7186
RPPTF	SAV2	S	SCHLA	17.86	0.0330	0.04	4.30	No Estimate	No Trend	0.6429
RPPTF	SAV2	S	STSS	1.04	0.1319	-0.14	9.08	-35.34	No Trend	0.4985
RPPTF	SAV2	B	BTSS	1.44	0.0670	-0.19	9.08	-46.89	No Trend	0.6708
RPPTF	SAV2	S	SECCHI	0.00	0.0001	-0.01	1.50	-17.04	Degrading	0.0669
RPPTF	SAV2	B	BDO	0.00	0.0075	0.02	7.80	7.06	Improving	0.4128
RPPTF	SAV2	S	SSALINITY	0.00	0.3300	0.00	9.63	0.00	No Trend	0.0007
RPPTF	SAV2	B	BSALINITY	0.00	0.3366	0.00	9.63	0.00	No Trend	0.0008
RPPTF	SAV2	S	SWTEMP	0.00	0.9305	0.00	18.30	0.15	No Trend	0.8961
RPPTF	SAV2	B	BWTEMP	0.00	0.7853	0.01	18.30	0.84	No Trend	0.9206
RPPOH	SAV2	S	SCHLA	8.29	0.0009	0.07	3.91	39.02	Degrading	0.3140
RPPOH	SAV2	S	STSS	0.63	0.0413	-0.19	9.08	-48.02	No Trend	0.4809
RPPOH	SAV2	B	BTSS	0.65	0.2066	-0.14	9.08	-35.48	No Trend	0.2304
RPPOH	SAV2	S	SECCHI	0.00	0.0048	-0.01	0.85	-13.53	Degrading	0.0194
RPPOH	SAV2	B	BDO	0.00	0.0063	0.03	7.80	7.37	Improving	0.3661
RPPOH	SAV2	S	SSALINITY	0.00	0.0407	0.00	10.71	0.00	No Trend	0.9477
RPPOH	SAV2	B	BSALINITY	0.00	0.0501	0.00	19.25	0.00	No Trend	0.9600
RPPOH	SAV2	S	SWTEMP	0.00	0.5595	-0.01	18.25	-1.74	No Trend	0.5342
RPPOH	SAV2	B	BWTEMP	0.00	0.4628	-0.01	18.90	-1.62	No Trend	0.5611
RPPMH	SAV2	S	SCHLA	6.81	0.0364	0.05	5.48	20.49	No Trend	0.8445
RPPMH	SAV2	S	STSS	19.69	0.2847	-0.07	8.80	No Estimate	No Trend	0.5023
RPPMH	SAV2	B	BTSS	7.40	0.5457	0.04	8.45	11.66	No Trend	0.0239
RPPMH	SAV2	S	SECCHI	0.00	0.0000	-0.02	1.35	-28.40	Degrading	0.1765
RPPMH	SAV2	B	BDO	0.00	0.0921	0.02	7.33	4.91	No Trend	0.1785
RPPMH	SAV2	S	SSALINITY	0.00	0.0058	-0.09	17.18	-12.44	Decreasing	0.9991
RPPMH	SAV2	B	BSALINITY	0.00	0.0035	-0.10	17.42	-13.36	Decreasing	0.9924
RPPMH	SAV2	S	SWTEMP	0.00	0.3481	-0.02	17.80	-2.76	No Trend	0.5102
RPPMH	SAV2	B	BWTEMP	0.00	0.1609	-0.03	16.25	-3.63	No Trend	0.2385
CRRMH	SAV2	S	SCHLA	7.61	0.0256	0.04	4.94	20.81	No Trend	0.8569
CRRMH	SAV2	S	STSS	49.43	0.0086	-0.09	8.00	No Estimate	Improving	0.9471
CRRMH	SAV2	B	BTSS	29.94	0.1301	-0.11	8.60	No Estimate	No Trend	0.6046
CRRMH	SAV2	S	SECCHI	0.00	0.0000	-0.02	1.85	-26.64	Degrading	0.6336
CRRMH	SAV2	B	BDO	0.00	0.1895	0.02	7.68	4.50	No Trend	0.1599
CRRMH	SAV2	S	SSALINITY	0.00	0.0055	-0.09	17.73	-12.30	Decreasing	0.9991
CRRMH	SAV2	B	BSALINITY	0.00	0.0038	-0.09	17.78	-12.22	Decreasing	0.9932
CRRMH	SAV2	S	SWTEMP	0.00	0.5490	-0.01	18.30	-1.69	No Trend	0.5966
CRRMH	SAV2	B	BWTEMP	0.00	0.0941	-0.04	17.83	-4.77	No Trend	0.1598

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
PIAMH	SAV2	S	SCHLA	7.23	0.2431	0.03	4.94	12.13	No Trend	0.4789
PIAMH	SAV2	S	STSS	12.66	0.0057	-0.13	7.95	-36.57	Improving	0.7504
PIAMH	SAV2	B	BTSS	3.80	0.0394	-0.12	9.28	-30.58	No Trend	0.8906
PIAMH	SAV2	S	SECCHI	0.00	0.0000	-0.02	1.78	-28.79	Degrading	0.8137
PIAMH	SAV2	B	BDO	0.00	0.0001	0.04	7.80	11.17	Improving	0.1332
PIAMH	SAV2	S	SSALINITY	0.00	0.0094	-0.09	18.46	-11.52	Decreasing	0.9914
PIAMH	SAV2	B	BSALINITY	0.00	0.0039	-0.10	18.64	-12.30	Decreasing	0.9818
PIAMH	SAV2	S	SWTEMP	0.00	0.6201	-0.01	17.48	-1.46	No Trend	0.2734
PIAMH	SAV2	B	BWTEMP	0.00	0.5446	-0.01	17.08	-1.56	No Trend	0.2367
POCMH	SAV2	S	SCHLA	0.23	0.0135	0.06	5.19	24.91	No Trend	0.8721
POCMH	SAV2	S	STSS	1.57	0.0751	-0.15	10.68	-31.96	No Trend	0.8281
POCMH	SAV2	B	BTSS	0.89	0.1608	-0.13	11.40	-25.44	No Trend	0.5311
POCMH	SAV2	S	SECCHI	0.00	0.0000	-0.02	1.50	-32.86	Degrading	0.8523
POCMH	SAV2	B	BDO	0.00	0.0532	0.02	7.80	5.10	No Trend	0.3158
POCMH	SAV2	S	SSALINITY	0.00	0.0062	-0.08	19.03	-9.93	Decreasing	0.9974
POCMH	SAV2	B	BSALINITY	0.00	0.0229	-0.08	19.07	-9.08	No Trend	0.9992
POCMH	SAV2	S	SWTEMP	0.00	0.9914	0.00	17.63	0.00	No Trend	0.7103
POCMH	SAV2	B	BWTEMP	0.00	0.8714	0.00	17.50	-0.40	No Trend	0.6681
CB6PH	SAV2	S	SCHLA	2.34	0.1129	0.04	4.59	18.33	No Trend	0.5290
CB6PH	SAV2	S	STSS	8.94	0.1775	-0.06	7.65	-17.07	No Trend	0.4935
CB6PH	SAV2	B	BTSS	1.17	0.6978	-0.03	10.16	-7.27	No Trend	0.0165
CB6PH	SAV2	S	SECCHI	0.00	0.0000	-0.02	1.85	-26.64	Degrading	0.6672
CB6PH	SAV2	B	BDO	0.00	0.0008	0.03	7.13	8.27	Improving	0.1381
CB6PH	SAV2	S	SSALINITY	0.00	0.0091	-0.08	19.07	-10.00	Decreasing	0.9981
CB6PH	SAV2	B	BSALINITY	0.00	0.0210	-0.07	21.29	-7.66	No Trend	0.9942
CB6PH	SAV2	S	SWTEMP	0.00	0.8124	-0.01	17.13	-0.87	No Trend	0.5119
CB6PH	SAV2	B	BWTEMP	0.00	0.7874	-0.01	16.40	-0.79	No Trend	0.4647
CB7PH	SAV2	S	SCHLA	2.99	0.0825	0.03	4.30	17.71	No Trend	0.5184
CB7PH	SAV2	S	STSS	8.63	0.0605	-0.08	7.08	-27.26	No Trend	0.6785
CB7PH	SAV2	B	BTSS	1.47	0.3371	-0.09	10.93	-17.96	No Trend	0.0901
CB7PH	SAV2	S	SECCHI	0.00	0.0000	-0.02	2.05	-24.93	Degrading	0.3593
CB7PH	SAV2	B	BDO	0.00	0.0027	0.02	7.65	7.52	Improving	0.2204
CB7PH	SAV2	S	SSALINITY	0.00	0.0085	-0.09	19.77	-10.58	Decreasing	0.8988
CB7PH	SAV2	B	BSALINITY	0.00	0.0405	-0.06	21.52	-5.88	No Trend	0.8846
CB7PH	SAV2	S	SWTEMP	0.00	0.8460	0.00	16.23	0.22	No Trend	0.6531
CB7PH	SAV2	B	BWTEMP	0.00	0.8292	0.00	15.80	-0.58	No Trend	0.4758
CB8PH	SAV2	S	SCHLA	3.98	0.1827	0.03	4.55	13.06	No Trend	0.3979
CB8PH	SAV2	S	STSS	10.08	0.4213	-0.04	6.93	-13.29	No Trend	0.3466
CB8PH	SAV2	B	BTSS	0.85	0.2804	-0.10	9.08	-26.41	No Trend	0.1063
CB8PH	SAV2	S	SECCHI	0.00	0.0000	-0.02	1.98	-24.95	Degrading	0.6573
CB8PH	SAV2	B	BDO	0.00	0.0003	0.03	7.80	8.42	Improving	0.0747
CB8PH	SAV2	S	SSALINITY	0.00	0.0261	-0.08	21.38	-8.22	No Trend	0.9782
CB8PH	SAV2	B	BSALINITY	0.00	0.0026	-0.07	24.74	-6.43	Decreasing	0.5875
CB8PH	SAV2	S	SWTEMP	0.00	0.7245	-0.01	16.05	-1.20	No Trend	0.1068
CB8PH	SAV2	B	BWTEMP	0.00	0.8171	0.00	15.58	-0.66	No Trend	0.1891
APPTF	Spring1	S	SCHLA	17.95	0.8310	0.01	13.03	No Estimate	No Trend	0.5209
APPTF	Spring1	S	STSS	0.00	0.1832	-0.17	23.75	-14.67	No Trend	0.0974
APPTF	Spring1	B	BTSS	0.00	0.9830	0.00	26.25	0.00	No Trend	0.1068
APPTF	Spring1	S	SECCHI	0.00	0.9057	0.00	0.53	0.00	No Trend	0.9922
APPTF	Spring1	B	BDO	0.00	0.5056	-0.01	9.70	-1.81	No Trend	0.0774
APPTF	Spring1	S	SSALINITY	0.00	1.0000	0.00	0.01	0.00	No Trend	0.3203
APPTF	Spring1	B	BSALINITY	0.00	0.9161	0.00	0.01	0.00	No Trend	0.3552
APPTF	Spring1	S	SWTEMP	0.00	0.0016	0.14	18.25	17.01	Increasing	0.4381
APPTF	Spring1	B	BWTEMP	0.00	0.0052	0.12	17.25	16.30	Increasing	0.3057

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
JMSTF1	Spring1	S	SCHLA	12.39	0.0841	-0.25	10.72	-50.28	No Trend	0.1245
JMSTF1	Spring1	S	STSS	0.00	0.4299	-0.19	24.25	-15.98	No Trend	0.6432
JMSTF1	Spring1	B	BTSS	0.51	0.2489	-0.83	41.50	-40.16	No Trend	0.8618
JMSTF1	Spring1	S	SECCHI	0.00	0.8487	0.00	0.63	0.00	No Trend	0.7462
JMSTF1	Spring1	B	BDO	0.00	0.7499	0.00	9.33	-0.82	No Trend	0.3405
JMSTF1	Spring1	S	SSALINITY	0.00	0.3812	0.00	0.01	0.00	No Trend	0.8293
JMSTF1	Spring1	B	BSALINITY	0.00	0.3226	0.00	0.01	0.00	No Trend	0.8335
JMSTF1	Spring1	S	SWTEMP	0.00	0.0006	0.13	16.38	17.88	Increasing	0.5973
JMSTF1	Spring1	B	BWTEMP	0.00	0.0046	0.12	16.25	17.34	Increasing	0.7859
JMSTF2	Spring1	S	SCHLA	74.21	0.6074	0.00	6.30	No Estimate	High BDLs	0.9802
JMSTF2	Spring1	S	STSS	20.83	0.5017	0.17	9.00	No Estimate	No Trend	0.5661
JMSTF2	Spring1	B	BTSS	0.00	0.0886	0.43	17.50	48.98	No Trend	0.2007
JMSTF2	Spring1	S	SECCHI	0.00	0.0314	-0.02	1.10	-42.29	No Trend	0.5870
JMSTF2	Spring1	B	BDO	0.00	0.1931	-0.02	8.93	-6.34	No Trend	0.5736
JMSTF2	Spring1	S	SSALINITY	0.00	0.1374	0.00	0.01	0.00	No Trend	0.9060
JMSTF2	Spring1	B	BSALINITY	0.00	0.1124	0.00	0.01	0.00	No Trend	0.9481
JMSTF2	Spring1	S	SWTEMP	0.00	0.1349	0.10	17.88	12.55	No Trend	0.6013
JMSTF2	Spring1	B	BWTEMP	0.00	0.0081	0.14	15.63	21.08	Increasing	0.3894
CHKOH	Spring1	S	SCHLA	7.58	0.5034	-0.09	17.38	-10.43	No Trend	0.8965
CHKOH	Spring1	S	STSS	0.00	0.7670	0.00	18.50	0.00	No Trend	0.8773
CHKOH	Spring1	B	BTSS	0.00	0.3442	0.50	25.00	40.00	No Trend	0.5252
CHKOH	Spring1	S	SECCHI	0.00	0.1045	-0.01	0.63	-17.78	No Trend	0.5654
CHKOH	Spring1	B	BDO	0.00	0.8594	0.00	9.08	-0.59	No Trend	0.2338
CHKOH	Spring1	S	SSALINITY	0.00	0.0451	0.00	0.01	0.00	No Trend	0.8889
CHKOH	Spring1	B	BSALINITY	0.00	0.0451	0.00	0.01	0.00	No Trend	0.8889
CHKOH	Spring1	S	SWTEMP	0.00	0.0105	0.12	14.35	17.10	No Trend	0.1330
CHKOH	Spring1	B	BWTEMP	0.00	0.0125	0.12	14.15	16.50	No Trend	0.0994
JMSOH	Spring1	S	SCHLA	12.88	0.6960	-0.04	7.38	-12.35	No Trend	0.1742
JMSOH	Spring1	S	STSS	0.81	0.0020	-1.00	34.25	-55.47	Improving	0.8295
JMSOH	Spring1	B	BTSS	0.80	0.0266	-2.83	74.25	-72.50	No Trend	0.5527
JMSOH	Spring1	S	SECCHI	0.00	0.0458	0.00	0.43	19.33	No Trend	0.9921
JMSOH	Spring1	B	BDO	0.00	0.0352	-0.03	8.93	-7.33	No Trend	0.6217
JMSOH	Spring1	S	SSALINITY	0.00	0.0667	0.01	1.88	17.17	No Trend	0.9163
JMSOH	Spring1	B	BSALINITY	0.00	0.0523	0.03	2.34	30.44	No Trend	0.6656
JMSOH	Spring1	S	SWTEMP	0.00	0.0353	0.08	16.13	10.94	No Trend	0.7519
JMSOH	Spring1	B	BWTEMP	0.00	0.0240	0.08	15.95	11.54	No Trend	0.6445
JMSMH	Spring1	S	SCHLA	20.73	0.3792	-0.06	5.51	No Estimate	No Trend	0.7038
JMSMH	Spring1	S	STSS	0.00	0.7670	-0.03	20.50	-3.51	No Trend	0.9716
JMSMH	Spring1	B	BTSS	0.81	0.0567	0.86	29.00	56.58	No Trend	0.6914
JMSMH	Spring1	S	SECCHI	0.00	0.1743	0.00	0.70	10.95	No Trend	0.9100
JMSMH	Spring1	B	BDO	0.00	0.1388	-0.02	8.78	-5.62	No Trend	0.9440
JMSMH	Spring1	S	SSALINITY	0.00	0.5437	0.04	12.90	7.13	No Trend	0.6342
JMSMH	Spring1	B	BSALINITY	0.00	0.6292	0.05	15.79	7.28	No Trend	0.6336
JMSMH	Spring1	S	SWTEMP	0.00	0.0794	0.06	14.83	9.65	No Trend	0.5272
JMSMH	Spring1	B	BWTEMP	0.00	0.0231	0.07	14.30	11.48	No Trend	0.8336
JMSPH	Spring1	S	SCHLA	7.27	0.3070	-0.09	10.88	-18.96	No Trend	0.1593
JMSPH	Spring1	S	STSS	2.05	0.0718	0.16	10.03	37.17	No Trend	0.0174
JMSPH	Spring1	B	BTSS	0.00	0.0744	0.32	15.50	46.99	No Trend	0.0144
JMSPH	Spring1	S	SECCHI	0.00	0.1534	-0.01	1.15	-10.00	No Trend	0.3987
JMSPH	Spring1	B	BDO	0.00	0.0764	0.03	8.68	6.85	No Trend	0.4110
JMSPH	Spring1	S	SSALINITY	0.00	0.4017	-0.05	20.24	-5.40	No Trend	0.6235
JMSPH	Spring1	B	BSALINITY	0.00	0.0003	-0.16	23.94	-14.89	Decreasing	0.2121
JMSPH	Spring1	S	SWTEMP	0.00	0.1310	0.04	14.23	6.64	No Trend	0.7773
JMSPH	Spring1	B	BWTEMP	0.00	0.0020	0.09	11.80	18.47	Increasing	0.9011

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
PMKTF	Spring1	S	SCHLA	94.94	0.0467	0.00	3.10	No Estimate	High BDLs	0.5133
PMKTF	Spring1	S	STSS	1.56	0.0278	0.50	15.75	63.49	No Trend	0.4167
PMKTF	Spring1	B	BTSS	0.00	0.3378	0.33	20.25	32.92	No Trend	0.5120
PMKTF	Spring1	S	SECCHI	0.00	0.0000	-0.02	0.90	-42.59	Degrading	0.7511
PMKTF	Spring1	B	BDO	0.00	0.0050	0.05	7.83	14.55	Improving	0.2628
PMKTF	Spring1	S	SSALINITY	0.00	0.2483	0.00	0.01	0.00	No Trend	0.3438
PMKTF	Spring1	B	BSALINITY	0.00	0.2547	0.00	0.01	0.00	No Trend	0.3549
PMKTF	Spring1	S	SWTEMP	0.00	0.0046	-0.13	17.63	-16.31	Decreasing	0.7729
PMKTF	Spring1	B	BWTEMP	0.00	0.0068	-0.10	17.25	-13.33	Decreasing	0.8171
PMKOH	Spring1	S	SCHLA	38.27	0.5660	0.00	4.53	No Estimate	High BDLs	0.5382
PMKOH	Spring1	S	STSS	0.00	0.1854	-0.56	90.00	-14.20	No Trend	0.6356
PMKOH	Spring1	B	BTSS	0.00	0.8359	0.86	134.50	12.11	No Trend	0.4710
PMKOH	Spring1	S	SECCHI	0.00	0.3260	0.00	0.25	0.00	No Trend	0.2501
PMKOH	Spring1	B	BDO	0.00	0.0149	0.04	7.90	10.79	No Trend	0.1992
PMKOH	Spring1	S	SSALINITY	0.00	0.1936	0.01	3.17	5.81	No Trend	0.9252
PMKOH	Spring1	B	BSALINITY	0.00	0.5845	0.01	3.86	3.36	No Trend	0.5582
PMKOH	Spring1	S	SWTEMP	0.00	0.0021	-0.09	16.03	-12.70	Decreasing	0.3715
PMKOH	Spring1	B	BWTEMP	0.00	0.0053	-0.08	15.85	-12.22	Decreasing	0.4363
MPNTF	Spring1	S	SCHLA	90.00	0.7999	0.00	3.10	No Estimate	High BDLs	0.4116
MPNTF	Spring1	S	STSS	15.38	0.4424	0.04	9.50	No Estimate	No Trend	0.9761
MPNTF	Spring1	B	BTSS	9.68	0.5926	0.09	11.13	15.66	No Trend	0.3579
MPNTF	Spring1	S	SECCHI	0.00	0.0022	-0.02	1.08	-35.66	Degrading	0.4687
MPNTF	Spring1	B	BDO	0.00	0.0254	0.03	7.73	8.93	No Trend	0.5715
MPNTF	Spring1	S	SSALINITY	0.00	0.4352	0.00	0.01	0.00	No Trend	
MPNTF	Spring1	B	BSALINITY	0.00	0.4352	0.00	0.01	0.00	No Trend	
MPNTF	Spring1	S	SWTEMP	0.00	0.1011	-0.07	17.38	-9.46	No Trend	0.8984
MPNTF	Spring1	B	BWTEMP	0.00	0.0501	-0.08	17.25	-11.06	No Trend	0.9238
MPNOH	Spring1	S	SCHLA	63.75	0.3696	0.00	3.10	No Estimate	High BDLs	0.3951
MPNOH	Spring1	S	STSS	0.00	0.3176	0.44	43.00	23.77	No Trend	0.2507
MPNOH	Spring1	B	BTSS	0.00	0.7292	0.14	44.00	7.47	No Trend	0.5985
MPNOH	Spring1	S	SECCHI	0.00	0.3379	0.00	0.33	0.00	No Trend	0.3594
MPNOH	Spring1	B	BDO	0.00	0.0122	0.03	8.10	9.81	No Trend	0.3398
MPNOH	Spring1	S	SSALINITY	0.00	0.2492	0.00	2.82	0.37	No Trend	0.8650
MPNOH	Spring1	B	BSALINITY	0.00	0.2096	0.01	2.86	5.21	No Trend	0.7731
MPNOH	Spring1	S	SWTEMP	0.00	0.0456	-0.07	16.10	-9.69	No Trend	0.5546
MPNOH	Spring1	B	BWTEMP	0.00	0.0169	-0.08	15.88	-11.29	No Trend	0.7546
YRKMH	Spring1	S	SCHLA	13.75	0.0459	0.29	11.44	55.47	No Trend	0.8253
YRKMH	Spring1	S	STSS	0.00	0.6712	-0.25	42.75	-11.11	No Trend	0.5822
YRKMH	Spring1	B	BTSS	0.00	0.0602	2.33	66.75	66.42	No Trend	0.7870
YRKMH	Spring1	S	SECCHI	0.00	0.3438	0.00	0.43	0.00	No Trend	0.1911
YRKMH	Spring1	B	BDO	0.00	0.0338	0.04	7.88	12.17	No Trend	0.7426
YRKMH	Spring1	S	SSALINITY	0.00	0.9150	0.01	11.31	1.74	No Trend	0.8127
YRKMH	Spring1	B	BSALINITY	0.00	0.9029	0.01	12.88	1.34	No Trend	0.5395
YRKMH	Spring1	S	SWTEMP	0.00	0.0034	-0.10	15.98	-14.58	Decreasing	0.7145
YRKMH	Spring1	B	BWTEMP	0.00	0.0066	-0.09	15.45	-13.60	Decreasing	0.7771
YRKPH	Spring1	S	SCHLA	6.29	0.7143	-0.04	14.06	-5.74	No Trend	0.8110
YRKPH	Spring1	S	STSS	16.18	0.4350	0.10	8.50	No Estimate	No Trend	0.3153
YRKPH	Spring1	B	BTSS	4.80	0.4669	0.25	22.75	20.88	No Trend	0.4754
YRKPH	Spring1	S	SECCHI	0.00	0.0359	-0.01	1.33	-19.73	No Trend	0.4510
YRKPH	Spring1	B	BDO	0.00	0.0606	0.04	8.25	11.15	No Trend	0.4253
YRKPH	Spring1	S	SSALINITY	0.00	0.2222	-0.06	19.39	-7.25	No Trend	0.9256
YRKPH	Spring1	B	BSALINITY	0.00	0.5417	-0.02	20.59	-2.42	No Trend	0.8017
YRKPH	Spring1	S	SWTEMP	0.00	0.0027	-0.09	14.35	-13.86	Decreasing	0.9186
YRKPH	Spring1	B	BWTEMP	0.00	0.0057	-0.07	12.68	-12.31	Decreasing	0.9614

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
MOBPH	Spring1	S	SCHLA	2.91	0.9878	0.00	4.70	0.49	No Trend	0.8787
MOBPH	Spring1	S	STSS	3.16	0.0269	-0.14	9.90	-33.56	No Trend	0.7147
MOBPH	Spring1	B	BTSS	2.02	0.6805	-0.03	12.83	-5.97	No Trend	0.1094
MOBPH	Spring1	S	SECCHI	0.00	0.0001	-0.03	1.73	-33.33	Degrading	0.5995
MOBPH	Spring1	B	BDO	0.00	0.0004	0.07	8.93	17.25	Improving	0.1141
MOBPH	Spring1	S	SSALINITY	0.00	0.2111	-0.07	19.79	-8.52	No Trend	0.9846
MOBPH	Spring1	B	BSALINITY	0.00	0.2057	-0.08	19.84	-8.69	No Trend	0.9991
MOBPH	Spring1	S	SWTEMP	0.00	0.8309	0.01	15.25	1.68	No Trend	0.2571
MOBPH	Spring1	B	BWTEMP	0.00	0.9878	0.00	13.65	0.00	No Trend	0.4780
RPPTF	Spring1	S	SCHLA	41.55	0.2475	0.05	4.26	No Estimate	High BDLs	0.4499
RPPTF	Spring1	S	STSS	1.48	0.9218	0.00	24.00	0.00	No Trend	0.6064
RPPTF	Spring1	B	BTSS	1.49	0.6658	-0.18	34.00	-10.50	No Trend	0.6563
RPPTF	Spring1	S	SECCHI	0.00	0.3899	0.00	0.50	0.00	No Trend	0.2099
RPPTF	Spring1	B	BDO	0.00	0.0894	0.03	8.65	7.70	No Trend	0.8816
RPPTF	Spring1	S	SSALINITY	0.00	0.0000	0.00	0.01	0.00	Unchanged	0.6431
RPPTF	Spring1	B	BSALINITY	0.00	0.0000	0.00	0.01	0.00	Unchanged	0.6491
RPPTF	Spring1	S	SWTEMP	0.00	0.7436	-0.01	14.63	-2.31	No Trend	0.9750
RPPTF	Spring1	B	BWTEMP	0.00	0.9503	0.00	14.50	-0.23	No Trend	0.9955
RPPOH	Spring1	S	SCHLA	25.00	0.0027	0.25	3.35	No Estimate	Degrading	0.1622
RPPOH	Spring1	S	STSS	0.00	0.4699	-0.30	48.00	-12.58	No Trend	0.2666
RPPOH	Spring1	B	BTSS	0.00	0.5269	0.42	65.00	12.92	No Trend	0.3088
RPPOH	Spring1	S	SECCHI	0.00	0.5682	0.00	0.30	0.00	No Trend	0.9683
RPPOH	Spring1	B	BDO	0.00	0.0744	0.03	9.65	7.94	No Trend	0.7132
RPPOH	Spring1	S	SSALINITY	0.00	0.2742	0.00	0.76	0.00	No Trend	0.6352
RPPOH	Spring1	B	BSALINITY	0.00	0.3417	0.00	0.85	0.00	No Trend	0.7083
RPPOH	Spring1	S	SWTEMP	0.00	0.1919	-0.06	15.28	-8.47	No Trend	0.5310
RPPOH	Spring1	B	BWTEMP	0.00	0.1223	-0.06	14.90	-9.17	No Trend	0.7342
RPPMH	Spring1	S	SCHLA	13.96	0.2591	0.09	10.51	19.98	No Trend	0.8719
RPPMH	Spring1	S	STSS	16.89	0.6352	0.02	8.25	No Estimate	No Trend	0.8840
RPPMH	Spring1	B	BTSS	6.97	0.0045	0.50	8.10	141.98	Degrading	0.8813
RPPMH	Spring1	S	SECCHI	0.00	0.0137	-0.02	1.00	-34.50	No Trend	0.1106
RPPMH	Spring1	B	BDO	0.00	0.7602	0.00	9.03	1.27	No Trend	0.5107
RPPMH	Spring1	S	SSALINITY	0.00	0.0315	-0.13	13.81	-21.44	No Trend	0.9642
RPPMH	Spring1	B	BSALINITY	0.00	0.0173	-0.13	15.11	-20.30	No Trend	0.8848
RPPMH	Spring1	S	SWTEMP	0.00	0.0769	-0.05	14.00	-7.68	No Trend	0.7659
RPPMH	Spring1	B	BWTEMP	0.00	0.0153	-0.06	12.75	-10.52	No Trend	0.5070
CRRMH	Spring1	S	SCHLA	19.75	0.1915	0.08	10.65	No Estimate	No Trend	0.8653
CRRMH	Spring1	S	STSS	41.56	0.0851	0.00	6.75	No Estimate	High BDLs	0.9586
CRRMH	Spring1	B	BTSS	29.69	0.9208	0.00	7.00	No Estimate	No Trend	0.8278
CRRMH	Spring1	S	SECCHI	0.00	0.0002	-0.03	1.90	-40.35	Degrading	0.4423
CRRMH	Spring1	B	BDO	0.00	0.7866	-0.01	9.38	-2.15	No Trend	0.7980
CRRMH	Spring1	S	SSALINITY	0.00	0.0292	-0.12	15.07	-19.04	No Trend	0.9708
CRRMH	Spring1	B	BSALINITY	0.00	0.0184	-0.12	15.14	-17.48	No Trend	0.8903
CRRMH	Spring1	S	SWTEMP	0.00	0.1909	-0.04	14.20	-6.82	No Trend	0.6526
CRRMH	Spring1	B	BWTEMP	0.00	0.0040	-0.08	13.98	-12.62	Decreasing	0.5892
PIAMH	Spring1	S	SCHLA	20.00	0.7909	-0.04	8.83	No Estimate	No Trend	0.7150
PIAMH	Spring1	S	STSS	25.29	0.0539	-0.09	5.75	No Estimate	No Trend	0.4480
PIAMH	Spring1	B	BTSS	14.94	0.3641	-0.06	9.63	-14.60	No Trend	0.9741
PIAMH	Spring1	S	SECCHI	0.00	0.0000	-0.04	2.00	-43.55	Degrading	0.7172
PIAMH	Spring1	B	BDO	0.00	0.0003	0.08	9.58	20.02	Improving	0.2855
PIAMH	Spring1	S	SSALINITY	0.00	0.0541	-0.11	15.67	-16.59	No Trend	0.7986
PIAMH	Spring1	B	BSALINITY	0.00	0.0193	-0.12	15.77	-17.87	No Trend	0.7849
PIAMH	Spring1	S	SWTEMP	0.00	0.2385	-0.04	14.58	-5.92	No Trend	0.1616
PIAMH	Spring1	B	BWTEMP	0.00	0.1810	-0.04	13.63	-6.47	No Trend	0.1489

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
POCMH	Spring1	S	SCHLA	0.00	0.0965	0.16	7.97	47.10	No Trend	0.8593
POCMH	Spring1	S	STSS	2.96	0.5936	-0.08	15.00	-12.78	No Trend	0.9825
POCMH	Spring1	B	BTSS	1.78	1.0000	0.00	15.58	0.00	No Trend	0.5776
POCMH	Spring1	S	SECCHI	0.00	0.0000	-0.03	1.53	-50.27	Degrading	0.8231
POCMH	Spring1	B	BDO	0.00	0.5113	0.01	9.18	2.67	No Trend	0.9103
POCMH	Spring1	S	SSALINITY	0.00	0.0340	-0.09	17.11	-11.59	No Trend	0.9087
POCMH	Spring1	B	BSALINITY	0.00	0.1432	-0.07	17.44	-9.75	No Trend	0.9543
POCMH	Spring1	S	SWTEMP	0.00	0.6693	-0.01	14.58	-2.05	No Trend	0.5335
POCMH	Spring1	B	BWTEMP	0.00	0.5019	-0.03	14.13	-4.29	No Trend	0.5250
CB6PH	Spring1	S	SCHLA	3.85	0.6806	0.04	8.33	11.85	No Trend	0.4440
CB6PH	Spring1	S	STSS	14.02	0.9392	0.00	6.00	1.15	No Trend	0.5448
CB6PH	Spring1	B	BTSS	1.72	0.1517	0.13	13.33	22.57	No Trend	0.0309
CB6PH	Spring1	S	SECCHI	0.00	0.0008	-0.04	2.25	-36.51	Degrading	0.5503
CB6PH	Spring1	B	BDO	0.00	0.0072	0.04	8.98	9.14	Improving	0.1777
CB6PH	Spring1	S	SSALINITY	0.00	0.0528	-0.09	17.09	-12.59	No Trend	0.9011
CB6PH	Spring1	B	BSALINITY	0.00	0.1312	-0.07	22.90	-6.66	No Trend	0.8365
CB6PH	Spring1	S	SWTEMP	0.00	0.4366	-0.02	13.05	-4.11	No Trend	0.3293
CB6PH	Spring1	B	BWTEMP	0.00	0.4101	-0.03	11.45	-5.38	No Trend	0.2844
CB7PH	Spring1	S	SCHLA	4.59	0.5318	0.03	5.14	13.91	No Trend	0.3716
CB7PH	Spring1	S	STSS	12.10	0.5021	-0.03	6.25	-10.51	No Trend	0.5447
CB7PH	Spring1	B	BTSS	1.58	0.5319	0.05	12.28	10.15	No Trend	0.0800
CB7PH	Spring1	S	SECCHI	0.00	0.0004	-0.04	2.43	-36.48	Degrading	0.1639
CB7PH	Spring1	B	BDO	0.00	0.0302	0.03	8.80	8.36	No Trend	0.3176
CB7PH	Spring1	S	SSALINITY	0.00	0.0492	-0.10	19.41	-12.21	No Trend	0.4617
CB7PH	Spring1	B	BSALINITY	0.00	0.2528	-0.04	24.11	-3.86	No Trend	0.4734
CB7PH	Spring1	S	SWTEMP	0.00	0.8667	-0.01	13.00	-1.24	No Trend	0.4025
CB7PH	Spring1	B	BWTEMP	0.00	0.4549	-0.02	12.25	-3.52	No Trend	0.2831
CB8PH	Spring1	S	SCHLA	6.92	0.9873	0.00	5.02	0.00	No Trend	0.3551
CB8PH	Spring1	S	STSS	11.08	0.3643	0.06	5.65	23.66	No Trend	0.8357
CB8PH	Spring1	B	BTSS	1.95	0.6106	0.05	8.80	14.14	No Trend	0.0925
CB8PH	Spring1	S	SECCHI	0.00	0.0006	-0.04	2.20	-36.90	Degrading	0.5039
CB8PH	Spring1	B	BDO	0.00	0.0020	0.04	9.08	10.14	Improving	0.0940
CB8PH	Spring1	S	SSALINITY	0.00	0.1661	-0.08	23.23	-7.64	No Trend	0.7150
CB8PH	Spring1	B	BSALINITY	0.00	0.0114	-0.06	29.43	-5.02	No Trend	0.1877
CB8PH	Spring1	S	SWTEMP	0.00	0.3316	-0.03	12.83	-5.78	No Trend	0.0361
CB8PH	Spring1	B	BWTEMP	0.00	0.4262	-0.02	10.38	-4.71	No Trend	0.0708
APPTF	Spring2	S	SCHLA	8.54	0.2837	-0.35	35.86	-22.13	No Trend	0.8203
APPTF	Spring2	S	STSS	0.00	0.3080	-0.14	23.75	-12.03	No Trend	0.0980
APPTF	Spring2	B	BTSS	0.00	0.5350	0.18	27.50	13.22	No Trend	0.3926
APPTF	Spring2	S	SECCHI	0.00	0.8735	0.00	0.50	0.00	No Trend	0.8579
APPTF	Spring2	B	BDO	0.00	0.1379	-0.03	8.80	-6.68	No Trend	0.4265
APPTF	Spring2	S	SSALINITY	0.00	0.3024	0.00	0.01	0.00	No Trend	0.8539
APPTF	Spring2	B	BSALINITY	0.00	0.2721	0.00	0.01	0.00	No Trend	0.9110
APPTF	Spring2	S	SWTEMP	0.00	0.0029	0.14	22.45	14.72	Increasing	0.3537
APPTF	Spring2	B	BWTEMP	0.00	0.0075	0.14	22.25	14.13	Increasing	0.2658
JMSTF1	Spring2	S	SCHLA	9.24	0.0059	-0.61	21.27	-65.48	Improving	0.6304
JMSTF1	Spring2	S	STSS	0.00	0.8473	0.00	25.00	0.00	No Trend	0.6099
JMSTF1	Spring2	B	BTSS	0.97	0.1630	-1.00	40.50	-49.38	No Trend	0.9552
JMSTF1	Spring2	S	SECCHI	0.00	0.1784	0.00	0.63	0.00	No Trend	0.5937
JMSTF1	Spring2	B	BDO	0.00	0.7323	-0.01	7.58	-1.69	No Trend	0.3264
JMSTF1	Spring2	S	SSALINITY	0.00	0.1447	0.00	0.01	0.00	No Trend	0.9260
JMSTF1	Spring2	B	BSALINITY	0.00	0.1029	0.00	0.01	0.00	No Trend	0.9660
JMSTF1	Spring2	S	SWTEMP	0.00	0.0064	0.12	22.25	12.47	Increasing	0.1974
JMSTF1	Spring2	B	BWTEMP	0.00	0.0133	0.12	22.00	12.36	No Trend	0.4960

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
JMSTF2	Spring2	S	SCHLA	66.52	0.3295	0.00	6.58	No Estimate	High BDLs	0.9099
JMSTF2	Spring2	S	STSS	22.93	0.1140	0.30	9.50	No Estimate	No Trend	0.9655
JMSTF2	Spring2	B	BTSS	0.00	0.0092	0.65	20.50	63.60	Degrading	0.8634
JMSTF2	Spring2	S	SECCHI	0.00	0.0073	-0.02	0.98	-47.18	Degrading	0.7385
JMSTF2	Spring2	B	BDO	0.00	0.7264	-0.01	7.25	-2.98	No Trend	0.0536
JMSTF2	Spring2	S	SSALINITY	0.00	0.2408	0.00	0.01	0.00	No Trend	0.8273
JMSTF2	Spring2	B	BSALINITY	0.00	0.1630	0.00	0.01	0.00	No Trend	0.9868
JMSTF2	Spring2	S	SWTEMP	0.00	0.1706	0.07	22.38	7.39	No Trend	0.5789
JMSTF2	Spring2	B	BWTEMP	0.00	0.0345	0.13	21.75	13.40	No Trend	0.1864
CHKOH	Spring2	S	SCHLA	8.57	0.0655	-0.29	17.38	-32.99	No Trend	0.5011
CHKOH	Spring2	S	STSS	0.00	0.5626	-0.06	19.50	-6.03	No Trend	0.6995
CHKOH	Spring2	B	BTSS	0.00	0.2054	0.69	30.25	45.77	No Trend	0.8135
CHKOH	Spring2	S	SECCHI	0.00	0.1516	0.00	0.55	0.00	No Trend	0.3746
CHKOH	Spring2	B	BDO	0.00	0.3570	-0.03	7.73	-6.47	No Trend	0.8292
CHKOH	Spring2	S	SSALINITY	0.00	0.0170	0.00	0.01	0.00	No Trend	0.8116
CHKOH	Spring2	B	BSALINITY	0.00	0.0146	0.00	0.01	0.00	No Trend	0.7885
CHKOH	Spring2	S	SWTEMP	0.00	0.0013	0.14	19.13	15.14	Increasing	0.5732
CHKOH	Spring2	B	BWTEMP	0.00	0.0014	0.15	18.98	15.81	Increasing	0.5179
JMSOH	Spring2	S	SCHLA	9.36	0.6674	-0.03	7.58	-8.70	No Trend	0.2179
JMSOH	Spring2	S	STSS	0.75	0.0147	-0.82	48.75	-33.76	No Trend	0.4600
JMSOH	Spring2	B	BTSS	0.75	0.3752	-0.67	62.50	-21.58	No Trend	0.1729
JMSOH	Spring2	S	SECCHI	0.00	0.1998	0.00	0.50	0.00	No Trend	0.6085
JMSOH	Spring2	B	BDO	0.00	0.0327	-0.03	8.05	-8.00	No Trend	0.6284
JMSOH	Spring2	S	SSALINITY	0.00	0.0588	0.02	2.72	19.04	No Trend	0.8988
JMSOH	Spring2	B	BSALINITY	0.00	0.0863	0.05	3.12	33.15	No Trend	0.7749
JMSOH	Spring2	S	SWTEMP	0.00	0.0213	0.08	21.25	8.71	No Trend	0.8284
JMSOH	Spring2	B	BWTEMP	0.00	0.0129	0.08	21.03	9.12	No Trend	0.7645
JMSMH	Spring2	S	SCHLA	21.05	0.9239	0.01	5.51	No Estimate	No Trend	0.1995
JMSMH	Spring2	S	STSS	0.00	0.5123	-0.08	22.50	-8.52	No Trend	0.8533
JMSMH	Spring2	B	BTSS	0.00	0.0061	1.34	28.50	94.02	Degrading	0.9415
JMSMH	Spring2	S	SECCHI	0.00	0.4583	0.00	0.65	0.00	No Trend	0.5936
JMSMH	Spring2	B	BDO	0.00	0.0279	-0.02	7.55	-6.53	No Trend	0.4691
JMSMH	Spring2	S	SSALINITY	0.00	0.6404	0.04	14.19	5.96	No Trend	0.6559
JMSMH	Spring2	B	BSALINITY	0.00	0.9627	0.00	17.56	0.00	No Trend	0.9178
JMSMH	Spring2	S	SWTEMP	0.00	0.0509	0.07	20.45	7.59	No Trend	0.5721
JMSMH	Spring2	B	BWTEMP	0.00	0.0189	0.07	19.98	8.32	No Trend	0.8844
JMSPH	Spring2	S	SCHLA	7.30	0.3848	0.05	9.00	11.53	No Trend	0.6001
JMSPH	Spring2	S	STSS	3.16	0.0250	0.20	9.65	47.67	No Trend	0.0448
JMSPH	Spring2	B	BTSS	0.00	0.1127	0.25	19.28	30.34	No Trend	0.0122
JMSPH	Spring2	S	SECCHI	0.00	0.0112	-0.01	1.20	-17.42	No Trend	0.4623
JMSPH	Spring2	B	BDO	0.00	0.0068	0.03	7.65	9.02	Improving	0.9008
JMSPH	Spring2	S	SSALINITY	0.00	0.2223	-0.06	21.28	-6.52	No Trend	0.5515
JMSPH	Spring2	B	BSALINITY	0.00	0.0000	-0.21	24.43	-19.82	Decreasing	0.8874
JMSPH	Spring2	S	SWTEMP	0.00	0.1161	0.04	19.25	4.48	No Trend	0.7339
JMSPH	Spring2	B	BWTEMP	0.00	0.0005	0.11	18.45	13.50	Increasing	0.8160
PMKTF	Spring2	S	SCHLA	78.05	0.6820	0.00	3.10	No Estimate	High BDLs	0.1160
PMKTF	Spring2	S	STSS	0.00	0.0117	0.50	12.50	80.00	No Trend	0.6426
PMKTF	Spring2	B	BTSS	0.00	0.4314	0.25	17.25	28.99	No Trend	0.4467
PMKTF	Spring2	S	SECCHI	0.00	0.0006	-0.01	0.78	-37.10	Degrading	0.1045
PMKTF	Spring2	B	BDO	0.00	0.0005	0.05	6.58	17.49	Improving	0.4777
PMKTF	Spring2	S	SSALINITY	0.00	0.0797	0.00	0.01	0.00	No Trend	0.8226
PMKTF	Spring2	B	BSALINITY	0.00	0.0797	0.00	0.01	0.00	No Trend	0.8226
PMKTF	Spring2	S	SWTEMP	0.00	0.0151	-0.12	22.13	-12.13	No Trend	0.5404
PMKTF	Spring2	B	BWTEMP	0.00	0.0116	-0.09	21.88	-9.37	No Trend	0.7332

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
PMKOH	Spring2	S	SCHLA	28.57	0.1411	0.06	5.40	No Estimate	No Trend	0.4013
PMKOH	Spring2	S	STSS	0.00	0.1025	-0.75	81.50	-21.17	No Trend	0.4348
PMKOH	Spring2	B	BTSS	0.00	0.6567	-1.17	134.50	-16.48	No Trend	0.2618
PMKOH	Spring2	S	SECCHI	0.00	0.2302	0.00	0.30	0.00	No Trend	0.1880
PMKOH	Spring2	B	BDO	0.00	0.0960	0.02	6.18	8.38	No Trend	0.0707
PMKOH	Spring2	S	SSALINITY	0.00	0.1986	0.01	4.38	5.91	No Trend	0.9261
PMKOH	Spring2	B	BSALINITY	0.00	0.5826	0.01	4.86	4.42	No Trend	0.5639
PMKOH	Spring2	S	SWTEMP	0.00	0.0032	-0.08	20.75	-9.05	Decreasing	0.3506
PMKOH	Spring2	B	BWTEMP	0.00	0.0060	-0.08	20.78	-8.86	Decreasing	0.4294
MPNTF	Spring2	S	SCHLA	72.62	0.8523	0.00	3.40	No Estimate	High BDLs	0.7135
MPNTF	Spring2	S	STSS	25.71	0.1308	0.13	7.25	No Estimate	No Trend	0.6800
MPNTF	Spring2	B	BTSS	16.18	0.4075	0.07	12.50	No Estimate	No Trend	0.3297
MPNTF	Spring2	S	SECCHI	0.00	0.0005	-0.02	1.08	-40.12	Degrading	0.2216
MPNTF	Spring2	B	BDO	0.00	0.0076	0.03	6.83	10.36	Improving	0.9237
MPNTF	Spring2	S	SSALINITY	0.00	0.6203	0.00	0.01	0.00	No Trend	
MPNTF	Spring2	B	BSALINITY	0.00	0.5812	0.00	0.01	0.00	No Trend	
MPNTF	Spring2	S	SWTEMP	0.00	0.3238	-0.04	22.13	-4.16	No Trend	0.8616
MPNTF	Spring2	B	BWTEMP	0.00	0.1721	-0.06	22.38	-6.54	No Trend	0.8369
MPNOH	Spring2	S	SCHLA	48.19	0.1695	0.00	3.63	No Estimate	High BDLs	0.2576
MPNOH	Spring2	S	STSS	0.00	0.1072	0.50	28.50	40.35	No Trend	0.3389
MPNOH	Spring2	B	BTSS	0.00	0.1524	1.00	44.00	52.27	No Trend	0.3061
MPNOH	Spring2	S	SECCHI	0.00	0.6710	0.00	0.43	0.00	No Trend	0.6177
MPNOH	Spring2	B	BDO	0.00	0.0023	0.04	5.90	14.62	Improving	0.7147
MPNOH	Spring2	S	SSALINITY	0.00	0.1040	0.05	3.25	37.23	No Trend	0.6375
MPNOH	Spring2	B	BSALINITY	0.00	0.0639	0.07	4.23	39.60	No Trend	0.6855
MPNOH	Spring2	S	SWTEMP	0.00	0.0470	-0.07	20.83	-7.49	No Trend	0.5562
MPNOH	Spring2	B	BWTEMP	0.00	0.0158	-0.09	20.60	-9.73	No Trend	0.7558
YRKMH	Spring2	S	SCHLA	9.76	0.2050	0.13	9.12	32.43	No Trend	0.4814
YRKMH	Spring2	S	STSS	0.00	0.1820	-0.50	43.00	-22.09	No Trend	0.4180
YRKMH	Spring2	B	BTSS	0.00	0.1632	1.81	73.00	47.17	No Trend	0.5215
YRKMH	Spring2	S	SECCHI	0.00	0.1648	0.00	0.43	0.00	No Trend	0.1420
YRKMH	Spring2	B	BDO	0.00	0.0603	0.03	5.95	12.08	No Trend	0.6816
YRKMH	Spring2	S	SSALINITY	0.00	0.8429	0.02	12.06	3.18	No Trend	0.8172
YRKMH	Spring2	B	BSALINITY	0.00	0.5725	-0.03	13.63	-4.68	No Trend	0.7947
YRKMH	Spring2	S	SWTEMP	0.00	0.0019	-0.11	20.48	-12.25	Decreasing	0.7902
YRKMH	Spring2	B	BWTEMP	0.00	0.0095	-0.09	20.28	-10.49	Decreasing	0.7685
YRKPH	Spring2	S	SCHLA	5.52	0.0942	0.12	8.95	30.62	No Trend	0.1018
YRKPH	Spring2	S	STSS	20.29	0.0908	0.17	6.00	No Estimate	No Trend	0.9487
YRKPH	Spring2	B	BTSS	2.33	0.9517	0.05	31.75	2.99	No Trend	0.8718
YRKPH	Spring2	S	SECCHI	0.00	0.0542	-0.01	1.33	-17.36	No Trend	0.2895
YRKPH	Spring2	B	BDO	0.00	0.1092	0.03	6.88	9.92	No Trend	0.2881
YRKPH	Spring2	S	SSALINITY	0.00	0.2855	-0.06	20.25	-6.74	No Trend	0.9063
YRKPH	Spring2	B	BSALINITY	0.00	0.2995	-0.04	20.90	-4.71	No Trend	0.9942
YRKPH	Spring2	S	SWTEMP	0.00	0.0027	-0.09	19.03	-10.46	Decreasing	0.9186
YRKPH	Spring2	B	BWTEMP	0.00	0.0029	-0.10	18.73	-12.69	Decreasing	0.9872
MOBPH	Spring2	S	SCHLA	2.33	0.5521	0.04	5.14	20.11	No Trend	0.5550
MOBPH	Spring2	S	STSS	2.30	0.1603	-0.10	9.90	-23.23	No Trend	0.9258
MOBPH	Spring2	B	BTSS	1.80	0.9392	0.00	14.00	-0.79	No Trend	0.2532
MOBPH	Spring2	S	SECCHI	0.00	0.0000	-0.03	1.40	-41.07	Degrading	0.8078
MOBPH	Spring2	B	BDO	0.00	0.0000	0.07	7.33	21.02	Improving	0.3389
MOBPH	Spring2	S	SSALINITY	0.00	0.1235	-0.07	20.44	-8.44	No Trend	0.9716
MOBPH	Spring2	B	BSALINITY	0.00	0.0528	-0.09	20.57	-9.96	No Trend	0.6501
MOBPH	Spring2	S	SWTEMP	0.00	0.6583	-0.02	19.18	-2.67	No Trend	0.7350
MOBPH	Spring2	B	BWTEMP	0.00	0.8309	0.01	18.05	0.93	No Trend	0.3135

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
RPPTF	Spring2	S	SCHLA	28.44	0.1862	0.13	8.51	No Estimate	No Trend	0.6392
RPPTF	Spring2	S	STSS	2.34	0.4879	-0.15	24.00	-12.20	No Trend	0.8294
RPPTF	Spring2	B	BTSS	2.35	0.4763	-0.29	34.50	-16.60	No Trend	0.8294
RPPTF	Spring2	S	SECCHI	0.00	0.4468	0.00	0.40	0.00	No Trend	0.7361
RPPTF	Spring2	B	BDO	0.00	0.3844	0.02	8.03	4.48	No Trend	0.6320
RPPTF	Spring2	S	SSALINITY	0.00	0.0000	0.00	0.01	0.00	Unchanged	0.7761
RPPTF	Spring2	B	BSALINITY	0.00	0.0000	0.00	0.01	0.00	Unchanged	0.7937
RPPTF	Spring2	S	SWTEMP	0.00	0.9271	0.00	22.50	0.33	No Trend	0.7628
RPPTF	Spring2	B	BWTEMP	0.00	0.6581	0.01	21.63	1.11	No Trend	0.7319
RPPOH	Spring2	S	SCHLA	16.67	0.0043	0.31	4.41	No Estimate	Degrading	0.1715
RPPOH	Spring2	S	STSS	1.47	0.0825	-0.74	44.50	-33.20	No Trend	0.2673
RPPOH	Spring2	B	BTSS	0.00	0.6335	-0.56	55.00	-20.45	No Trend	0.3608
RPPOH	Spring2	S	SECCHI	0.00	0.2561	0.00	0.38	0.00	No Trend	0.5840
RPPOH	Spring2	B	BDO	0.00	0.0999	0.03	7.78	9.27	No Trend	0.7366
RPPOH	Spring2	S	SSALINITY	0.00	0.1567	0.00	1.26	0.00	No Trend	0.7626
RPPOH	Spring2	B	BSALINITY	0.00	0.2551	0.00	1.64	0.00	No Trend	0.7592
RPPOH	Spring2	S	SWTEMP	0.00	0.1339	-0.06	20.88	-7.08	No Trend	0.5478
RPPOH	Spring2	B	BWTEMP	0.00	0.1340	-0.06	21.25	-6.28	No Trend	0.7412
RPPMH	Spring2	S	SCHLA	10.29	0.1517	0.08	8.95	19.28	No Trend	0.7479
RPPMH	Spring2	S	STSS	18.16	1.0000	0.00	6.75	No Estimate	No Trend	0.9112
RPPMH	Spring2	B	BTSS	6.00	0.0108	0.46	8.20	129.46	No Trend	0.7003
RPPMH	Spring2	S	SECCHI	0.00	0.0027	-0.02	1.30	-26.54	Degrading	0.3796
RPPMH	Spring2	B	BDO	0.00	0.7370	0.00	6.70	-1.25	No Trend	0.9554
RPPMH	Spring2	S	SSALINITY	0.00	0.0586	-0.08	14.49	-13.32	No Trend	0.8396
RPPMH	Spring2	B	BSALINITY	0.00	0.0848	-0.09	15.53	-13.99	No Trend	0.6688
RPPMH	Spring2	S	SWTEMP	0.00	0.0315	-0.05	19.63	-5.82	No Trend	0.9665
RPPMH	Spring2	B	BWTEMP	0.00	0.0017	-0.08	17.50	-10.51	Decreasing	0.7850
CRRMH	Spring2	S	SCHLA	8.24	0.4079	0.06	12.62	11.30	No Trend	0.6255
CRRMH	Spring2	S	STSS	40.51	0.4363	0.00	6.50	No Estimate	High BDLs	0.5660
CRRMH	Spring2	B	BTSS	23.53	0.5495	-0.06	8.00	No Estimate	No Trend	0.3841
CRRMH	Spring2	S	SECCHI	0.00	0.0000	-0.02	1.85	-26.17	Degrading	0.8590
CRRMH	Spring2	B	BDO	0.00	0.6513	-0.02	7.23	-4.78	No Trend	0.8580
CRRMH	Spring2	S	SSALINITY	0.00	0.0270	-0.12	15.62	-17.67	No Trend	0.9771
CRRMH	Spring2	B	BSALINITY	0.00	0.0238	-0.10	15.82	-14.44	No Trend	0.8442
CRRMH	Spring2	S	SWTEMP	0.00	0.1652	-0.03	20.95	-3.29	No Trend	0.6579
CRRMH	Spring2	B	BWTEMP	0.00	0.0017	-0.08	20.20	-9.49	Decreasing	0.6778
PIAMH	Spring2	S	SCHLA	14.58	0.5397	0.05	7.93	14.47	No Trend	0.2756
PIAMH	Spring2	S	STSS	17.35	0.3315	-0.06	5.75	No Estimate	No Trend	0.7614
PIAMH	Spring2	B	BTSS	6.12	0.0979	-0.14	11.50	-27.14	No Trend	0.7326
PIAMH	Spring2	S	SECCHI	0.00	0.0000	-0.03	1.83	-37.81	Degrading	0.6005
PIAMH	Spring2	B	BDO	0.00	0.0009	0.08	7.63	22.83	Improving	0.1436
PIAMH	Spring2	S	SSALINITY	0.00	0.0721	-0.10	17.57	-13.39	No Trend	0.7136
PIAMH	Spring2	B	BSALINITY	0.00	0.0201	-0.11	18.00	-14.27	No Trend	0.7737
PIAMH	Spring2	S	SWTEMP	0.00	0.1115	-0.06	18.58	-6.86	No Trend	0.3968
PIAMH	Spring2	B	BWTEMP	0.00	0.1386	-0.05	17.85	-6.44	No Trend	0.2018
POCMH	Spring2	S	SCHLA	0.53	0.0119	0.19	7.43	59.09	No Trend	0.5105
POCMH	Spring2	S	STSS	2.66	0.5022	-0.09	13.08	-16.52	No Trend	0.9928
POCMH	Spring2	B	BTSS	1.59	0.5623	-0.09	17.75	-11.46	No Trend	0.2018
POCMH	Spring2	S	SECCHI	0.00	0.0000	-0.03	1.75	-32.86	Degrading	0.8891
POCMH	Spring2	B	BDO	0.00	0.7951	0.00	7.85	0.70	No Trend	0.8621
POCMH	Spring2	S	SSALINITY	0.00	0.0744	-0.08	18.21	-9.47	No Trend	0.9274
POCMH	Spring2	B	BSALINITY	0.00	0.1391	-0.07	18.26	-8.55	No Trend	0.9528
POCMH	Spring2	S	SWTEMP	0.00	0.6363	-0.01	19.25	-1.33	No Trend	0.5672
POCMH	Spring2	B	BWTEMP	0.00	0.4014	-0.02	19.05	-2.72	No Trend	0.6613

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
CB6PH	Spring2	S	SCHLA	3.48	0.6806	0.05	6.99	16.24	No Trend	0.4440
CB6PH	Spring2	S	STSS	12.64	0.6917	0.01	5.25	5.97	No Trend	0.7595
CB6PH	Spring2	B	BTSS	1.79	0.0174	0.21	10.16	47.44	No Trend	0.3745
CB6PH	Spring2	S	SECCHI	0.00	0.0000	-0.03	2.23	-34.46	Degrading	0.5534
CB6PH	Spring2	B	BDO	0.00	0.0187	0.03	6.53	12.14	No Trend	0.1021
CB6PH	Spring2	S	SSALINITY	0.00	0.1094	-0.08	18.38	-10.45	No Trend	0.9484
CB6PH	Spring2	B	BSALINITY	0.00	0.4102	-0.03	22.90	-3.48	No Trend	0.8632
CB6PH	Spring2	S	SWTEMP	0.00	0.2526	-0.03	18.50	-4.30	No Trend	0.6223
CB6PH	Spring2	B	BWTEMP	0.00	0.1844	-0.04	17.38	-4.73	No Trend	0.6826
CB7PH	Spring2	S	SCHLA	4.06	0.1390	0.07	4.17	39.47	No Trend	0.4700
CB7PH	Spring2	S	STSS	11.17	0.9635	0.00	5.68	-0.37	No Trend	0.8529
CB7PH	Spring2	B	BTSS	1.61	0.0650	0.18	11.28	37.40	No Trend	0.5963
CB7PH	Spring2	S	SECCHI	0.00	0.0000	-0.04	2.30	-42.86	Degrading	0.3085
CB7PH	Spring2	B	BDO	0.00	0.0314	0.03	7.30	9.00	No Trend	0.3076
CB7PH	Spring2	S	SSALINITY	0.00	0.0849	-0.10	20.01	-11.49	No Trend	0.5086
CB7PH	Spring2	B	BSALINITY	0.00	0.3523	-0.03	24.21	-2.85	No Trend	0.4891
CB7PH	Spring2	S	SWTEMP	0.00	0.7953	-0.01	17.60	-1.96	No Trend	0.4557
CB7PH	Spring2	B	BWTEMP	0.00	0.3141	-0.02	16.73	-3.09	No Trend	0.4696
CB8PH	Spring2	S	SCHLA	6.27	0.1079	0.09	4.47	44.43	No Trend	0.7648
CB8PH	Spring2	S	STSS	11.96	0.3813	0.06	6.35	23.34	No Trend	0.8340
CB8PH	Spring2	B	BTSS	1.38	0.2145	0.11	10.73	23.75	No Trend	0.3130
CB8PH	Spring2	S	SECCHI	0.00	0.0000	-0.04	2.20	-45.30	Degrading	0.8993
CB8PH	Spring2	B	BDO	0.00	0.0000	0.05	7.80	13.45	Improving	0.7723
CB8PH	Spring2	S	SSALINITY	0.00	0.0721	-0.09	23.90	-8.76	No Trend	0.9410
CB8PH	Spring2	B	BSALINITY	0.00	0.0009	-0.06	29.92	-4.85	Decreasing	0.5483
CB8PH	Spring2	S	SWTEMP	0.00	0.0521	-0.05	17.43	-6.27	No Trend	0.4382
CB8PH	Spring2	B	BWTEMP	0.00	0.0800	-0.05	15.63	-6.87	No Trend	0.5979
APPTF	Summer1	S	SCHLA	3.48	0.0989	-0.64	47.23	-30.96	No Trend	0.9293
APPTF	Summer1	S	STSS	0.00	1.0000	0.00	24.50	0.00	No Trend	0.8034
APPTF	Summer1	B	BTSS	0.00	0.4007	-0.25	32.25	-15.50	No Trend	0.7841
APPTF	Summer1	S	SECCHI	0.00	0.0000	-0.01	0.50	-28.75	Degrading	0.3342
APPTF	Summer1	B	BDO	0.00	0.0100	0.04	8.20	11.69	Improving	0.5340
APPTF	Summer1	S	SSALINITY	0.00	0.5925	0.00	0.01	0.00	No Trend	0.5861
APPTF	Summer1	B	BSALINITY	0.00	0.4590	0.00	0.01	0.00	No Trend	0.5300
APPTF	Summer1	S	SWTEMP	0.00	0.0740	0.06	25.63	5.07	No Trend	0.8982
APPTF	Summer1	B	BWTEMP	0.00	0.1975	0.06	25.13	5.16	No Trend	0.8878
JMSTF1	Summer1	S	SCHLA	4.06	0.0268	-0.69	26.79	-59.01	No Trend	0.9642
JMSTF1	Summer1	S	STSS	0.00	0.5289	0.11	19.75	11.25	No Trend	0.4003
JMSTF1	Summer1	B	BTSS	0.36	0.7842	-0.23	33.00	-13.64	No Trend	0.8407
JMSTF1	Summer1	S	SECCHI	0.00	0.0000	-0.01	0.65	-32.17	Degrading	0.9545
JMSTF1	Summer1	B	BDO	0.00	0.0857	0.03	6.40	8.98	No Trend	0.7420
JMSTF1	Summer1	S	SSALINITY	0.00	0.4424	0.00	0.01	0.00	No Trend	0.8994
JMSTF1	Summer1	B	BSALINITY	0.00	0.7716	0.00	0.01	0.00	No Trend	0.7661
JMSTF1	Summer1	S	SWTEMP	0.00	0.8949	0.00	24.88	0.27	No Trend	0.6191
JMSTF1	Summer1	B	BWTEMP	0.00	0.6924	0.01	25.00	1.21	No Trend	0.4517
JMSTF2	Summer1	S	SCHLA	53.00	0.0373	0.01	4.64	No Estimate	High BDLs	0.9901
JMSTF2	Summer1	S	STSS	25.90	0.1766	0.13	10.00	No Estimate	No Trend	0.0469
JMSTF2	Summer1	B	BTSS	1.09	0.0011	0.71	18.75	76.19	Degrading	0.8461
JMSTF2	Summer1	S	SECCHI	0.00	0.0001	-0.02	0.90	-54.76	Degrading	0.6647
JMSTF2	Summer1	B	BDO	0.00	0.0595	0.02	6.20	7.42	No Trend	0.7602
JMSTF2	Summer1	S	SSALINITY	0.00	0.2150	0.00	0.01	0.00	No Trend	0.9591
JMSTF2	Summer1	B	BSALINITY	0.00	0.1890	0.00	0.01	0.00	No Trend	0.9682
JMSTF2	Summer1	S	SWTEMP	0.00	0.3979	0.02	26.30	1.89	No Trend	0.8488
JMSTF2	Summer1	B	BWTEMP	0.00	0.4208	0.02	25.38	2.23	No Trend	0.7284

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
CHKOH	Summer1	S	SCHLA	2.13	0.0000	-0.62	29.45	-42.15	Improving	0.7804
CHKOH	Summer1	S	STSS	0.00	0.1093	0.25	18.50	27.03	No Trend	0.2233
CHKOH	Summer1	B	BTSS	0.00	0.0075	1.41	35.25	79.95	Degrading	0.5157
CHKOH	Summer1	S	SECCHI	0.00	0.0000	-0.01	0.55	-40.40	Degrading	0.0351
CHKOH	Summer1	B	BDO	0.00	0.6198	0.01	5.75	3.48	No Trend	0.8686
CHKOH	Summer1	S	SSALINITY	0.00	0.0039	0.00	0.01	0.00	Unchanged	0.7510
CHKOH	Summer1	B	BSALINITY	0.00	0.0030	0.00	0.01	0.00	Unchanged	0.7576
CHKOH	Summer1	S	SWTEMP	0.00	0.3462	0.04	26.75	2.79	No Trend	0.3406
CHKOH	Summer1	B	BWTEMP	0.00	0.3053	0.04	26.60	3.10	No Trend	0.3576
JMSOH	Summer1	S	SCHLA	3.51	0.8511	0.02	8.07	4.39	No Trend	0.7144
JMSOH	Summer1	S	STSS	1.09	0.9731	0.00	26.00	0.00	No Trend	0.3052
JMSOH	Summer1	B	BTSS	0.00	0.2684	0.61	55.75	21.78	No Trend	0.8491
JMSOH	Summer1	S	SECCHI	0.00	0.1281	0.00	0.68	-8.97	No Trend	0.8862
JMSOH	Summer1	B	BDO	0.00	0.0829	-0.02	6.88	-5.26	No Trend	0.4945
JMSOH	Summer1	S	SSALINITY	0.00	0.5024	0.02	6.21	6.98	No Trend	0.6624
JMSOH	Summer1	B	BSALINITY	0.00	0.4938	0.03	6.88	11.49	No Trend	0.6659
JMSOH	Summer1	S	SWTEMP	0.00	0.4207	0.02	25.85	1.99	No Trend	0.6304
JMSOH	Summer1	B	BWTEMP	0.00	0.4605	0.02	25.70	1.49	No Trend	0.7238
JMSMH	Summer1	S	SCHLA	20.35	0.0007	0.09	4.67	No Estimate	Degrading	0.2727
JMSMH	Summer1	S	STSS	4.23	0.2520	-0.10	12.00	-19.17	No Trend	0.8567
JMSMH	Summer1	B	BTSS	1.10	0.0070	0.88	20.75	84.34	Degrading	0.5020
JMSMH	Summer1	S	SECCHI	0.00	0.3038	0.00	1.10	-5.36	No Trend	0.5449
JMSMH	Summer1	B	BDO	0.00	0.7574	0.00	6.20	-0.82	No Trend	0.0083
JMSMH	Summer1	S	SSALINITY	0.00	0.7714	-0.02	17.31	-2.62	No Trend	0.8424
JMSMH	Summer1	B	BSALINITY	0.00	0.5175	-0.03	19.60	-2.93	No Trend	0.9666
JMSMH	Summer1	S	SWTEMP	0.00	0.8017	0.00	25.13	0.46	No Trend	0.5434
JMSMH	Summer1	B	BWTEMP	0.00	0.7213	0.01	24.73	0.57	No Trend	0.6608
JMSPH	Summer1	S	SCHLA	9.58	0.0000	0.21	3.96	122.10	Degrading	0.5214
JMSPH	Summer1	S	STSS	2.95	0.5881	-0.03	9.78	-7.99	No Trend	0.6216
JMSPH	Summer1	B	BTSS	0.84	0.1614	-0.19	18.45	-24.20	No Trend	0.7029
JMSPH	Summer1	S	SECCHI	0.00	0.0000	-0.01	1.25	-26.29	Degrading	0.7569
JMSPH	Summer1	B	BDO	0.00	0.0000	0.04	5.95	15.46	Improving	0.6839
JMSPH	Summer1	S	SSALINITY	0.00	0.0156	-0.08	23.61	-7.83	No Trend	0.9979
JMSPH	Summer1	B	BSALINITY	0.00	0.0000	-0.20	25.21	-18.49	Decreasing	0.5311
JMSPH	Summer1	S	SWTEMP	0.00	0.9368	0.00	25.38	0.00	No Trend	0.2385
JMSPH	Summer1	B	BWTEMP	0.00	0.0002	0.08	22.93	8.12	Increasing	0.2562
PMKTF	Summer1	S	SCHLA	31.19	0.0128	-0.05	7.19	No Estimate	No Trend	0.2165
PMKTF	Summer1	S	STSS	3.30	0.2472	0.16	11.50	27.17	No Trend	0.5507
PMKTF	Summer1	B	BTSS	4.44	0.0716	-0.42	18.00	-46.30	No Trend	0.5968
PMKTF	Summer1	S	SECCHI	0.00	0.7043	0.00	0.63	0.00	No Trend	0.6113
PMKTF	Summer1	B	BDO	0.00	0.0023	0.03	5.35	14.46	Improving	0.8599
PMKTF	Summer1	S	SSALINITY	0.00	0.1083	0.00	0.01	0.00	No Trend	0.8243
PMKTF	Summer1	B	BSALINITY	0.00	0.1389	0.00	0.01	0.00	No Trend	0.9083
PMKTF	Summer1	S	SWTEMP	0.00	0.0122	0.07	25.50	6.24	No Trend	0.0531
PMKTF	Summer1	B	BWTEMP	0.00	0.0366	0.07	26.00	6.41	No Trend	0.0318
PMKOH	Summer1	S	SCHLA	7.96	0.4769	0.07	9.46	17.42	No Trend	0.1715
PMKOH	Summer1	S	STSS	1.02	0.0023	-1.00	33.00	-69.70	Improving	0.7100
PMKOH	Summer1	B	BTSS	0.00	0.0113	-4.00	182.75	-43.78	No Trend	0.9826
PMKOH	Summer1	S	SECCHI	0.00	0.0047	0.01	0.45	25.56	Improving	0.9927
PMKOH	Summer1	B	BDO	0.00	0.3679	-0.01	4.78	-4.82	No Trend	0.8516
PMKOH	Summer1	S	SSALINITY	0.00	0.2450	0.07	5.61	29.81	No Trend	0.6560
PMKOH	Summer1	B	BSALINITY	0.00	0.2001	0.08	6.74	27.98	No Trend	0.7290
PMKOH	Summer1	S	SWTEMP	0.00	0.3909	0.02	26.03	1.47	No Trend	0.0817
PMKOH	Summer1	B	BWTEMP	0.00	0.2270	0.02	25.90	1.95	No Trend	0.0636

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
MPNTF	Summer1	S	SCHLA	36.94	0.0773	-0.03	7.25	No Estimate	High BDLs	0.7880
MPNTF	Summer1	S	STSS	40.66	0.5517	0.00	6.00	No Estimate	High BDLs	0.0277
MPNTF	Summer1	B	BTSS	27.78	0.3478	0.00	8.75	No Estimate	No Trend	0.0672
MPNTF	Summer1	S	SECCHI	0.00	0.0548	-0.01	1.00	-23.00	No Trend	0.0022
MPNTF	Summer1	B	BDO	0.00	0.0699	0.02	5.85	6.55	No Trend	0.8575
MPNTF	Summer1	S	SSALINITY	0.00	0.4676	0.00	0.01	0.00	No Trend	0.9931
MPNTF	Summer1	B	BSALINITY	0.00	0.4317	0.00	0.01	0.00	No Trend	0.9724
MPNTF	Summer1	S	SWTEMP	0.00	0.0009	0.13	25.63	11.37	Increasing	0.0852
MPNTF	Summer1	B	BWTEMP	0.00	0.0141	0.10	26.50	8.55	No Trend	0.2070
MPNOH	Summer1	S	SCHLA	11.01	0.9202	0.00	9.65	0.36	No Trend	0.2160
MPNOH	Summer1	S	STSS	1.02	0.6462	0.10	17.50	13.14	No Trend	0.5227
MPNOH	Summer1	B	BTSS	0.00	0.4429	0.59	40.00	29.29	No Trend	0.0489
MPNOH	Summer1	S	SECCHI	0.00	0.1377	0.00	0.58	0.00	No Trend	0.8025
MPNOH	Summer1	B	BDO	0.00	0.4214	0.01	4.98	3.47	No Trend	0.7722
MPNOH	Summer1	S	SSALINITY	0.00	0.0397	0.13	7.29	40.02	No Trend	0.5771
MPNOH	Summer1	B	BSALINITY	0.00	0.0421	0.15	7.80	43.23	No Trend	0.6788
MPNOH	Summer1	S	SWTEMP	0.00	0.1632	0.03	26.25	3.03	No Trend	0.0824
MPNOH	Summer1	B	BWTEMP	0.00	0.3173	0.03	25.95	2.53	No Trend	0.0671
YRKMH	Summer1	S	SCHLA	3.54	0.6484	-0.02	9.81	-5.76	No Trend	0.4824
YRKMH	Summer1	S	STSS	0.00	0.0450	-0.31	23.75	-25.79	No Trend	0.8516
YRKMH	Summer1	B	BTSS	0.56	0.9044	-0.08	42.25	-3.94	No Trend	0.2154
YRKMH	Summer1	S	SECCHI	0.00	0.1775	0.00	0.58	0.00	No Trend	0.6378
YRKMH	Summer1	B	BDO	0.00	0.8592	0.00	5.18	0.00	No Trend	0.2997
YRKMH	Summer1	S	SSALINITY	0.00	0.3547	-0.05	15.34	-7.50	No Trend	0.8049
YRKMH	Summer1	B	BSALINITY	0.00	0.2122	-0.05	16.80	-6.73	No Trend	0.7725
YRKMH	Summer1	S	SWTEMP	0.00	0.2954	0.02	25.85	1.94	No Trend	0.0323
YRKMH	Summer1	B	BWTEMP	0.00	0.2220	0.03	25.53	2.25	No Trend	0.0044
YRKPH	Summer1	S	SCHLA	4.44	0.0010	0.15	7.88	43.69	Degrading	0.5775
YRKPH	Summer1	S	STSS	13.76	0.8152	0.00	6.00	0.00	No Trend	0.5491
YRKPH	Summer1	B	BTSS	3.33	0.5605	0.16	21.50	14.59	No Trend	0.5314
YRKPH	Summer1	S	SECCHI	0.00	0.0300	-0.01	1.18	-13.35	No Trend	0.4338
YRKPH	Summer1	B	BDO	0.00	0.8807	0.00	4.75	0.99	No Trend	0.3974
YRKPH	Summer1	S	SSALINITY	0.00	0.0050	-0.12	22.73	-11.81	Decreasing	0.7376
YRKPH	Summer1	B	BSALINITY	0.00	0.0288	-0.08	23.87	-7.84	No Trend	0.8439
YRKPH	Summer1	S	SWTEMP	0.00	0.9674	0.00	24.98	0.00	No Trend	0.2265
YRKPH	Summer1	B	BWTEMP	0.00	0.7373	-0.01	24.48	-0.57	No Trend	0.1611
MOBPH	Summer1	S	SCHLA	0.51	0.0284	0.10	7.70	30.87	No Trend	0.7956
MOBPH	Summer1	S	STSS	1.17	0.0030	-0.28	12.00	-53.74	Improving	0.5193
MOBPH	Summer1	B	BTSS	0.17	0.0003	-0.39	21.40	-42.37	Improving	0.4613
MOBPH	Summer1	S	SECCHI	0.00	0.0000	-0.02	1.18	-32.62	Degrading	0.7398
MOBPH	Summer1	B	BDO	0.00	0.0005	0.04	5.95	15.21	Improving	0.0839
MOBPH	Summer1	S	SSALINITY	0.00	0.0135	-0.09	23.01	-8.86	No Trend	0.9968
MOBPH	Summer1	B	BSALINITY	0.00	0.0093	-0.09	23.38	-8.92	Decreasing	0.8828
MOBPH	Summer1	S	SWTEMP	0.00	0.1500	0.03	25.65	3.10	No Trend	0.5915
MOBPH	Summer1	B	BWTEMP	0.00	0.0201	0.04	25.05	4.09	No Trend	0.8350
RPPTF	Summer1	S	SCHLA	7.53	0.5091	-0.14	26.66	-12.22	No Trend	0.8105
RPPTF	Summer1	S	STSS	1.09	0.1190	-0.17	24.75	-13.47	No Trend	0.4876
RPPTF	Summer1	B	BTSS	1.79	0.4852	-0.23	33.75	-13.45	No Trend	0.9404
RPPTF	Summer1	S	SECCHI	0.00	0.6030	0.00	0.40	0.00	No Trend	0.2215
RPPTF	Summer1	B	BDO	0.00	0.0233	-0.03	7.38	-9.12	No Trend	0.5635
RPPTF	Summer1	S	SSALINITY	0.00	0.0000	0.00	0.01	0.00	Unchanged	0.9269
RPPTF	Summer1	B	BSALINITY	0.00	0.0000	0.00	0.01	0.00	Unchanged	0.4762
RPPTF	Summer1	S	SWTEMP	0.00	0.1255	0.04	26.13	3.81	No Trend	0.1508
RPPTF	Summer1	B	BWTEMP	0.00	0.0858	0.05	25.75	4.14	No Trend	0.1338

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
RPPOH	Summer1	S	SCHLA	5.31	0.0000	0.42	9.57	100.24	Degrading	0.8319
RPPOH	Summer1	S	STSS	1.10	0.1456	-0.28	24.50	-22.68	No Trend	0.5598
RPPOH	Summer1	B	BTSS	1.11	0.2449	0.39	34.50	22.66	No Trend	0.3500
RPPOH	Summer1	S	SECCHI	0.00	0.0081	0.00	0.63	-16.73	Degrading	0.0056
RPPOH	Summer1	B	BDO	0.00	0.2517	0.02	6.25	5.52	No Trend	0.6951
RPPOH	Summer1	S	SSALINITY	0.00	0.2235	-0.01	4.65	-6.92	No Trend	0.9597
RPPOH	Summer1	B	BSALINITY	0.00	0.3724	-0.02	4.79	-8.12	No Trend	0.7282
RPPOH	Summer1	S	SWTEMP	0.00	0.0499	0.05	26.18	4.18	No Trend	0.0362
RPPOH	Summer1	B	BWTEMP	0.00	0.1395	0.03	26.10	2.76	No Trend	0.0280
RPPMH	Summer1	S	SCHLA	4.00	0.0024	0.14	7.72	40.44	Degrading	0.4902
RPPMH	Summer1	S	STSS	19.81	0.0070	-0.19	7.00	No Estimate	Improving	0.3131
RPPMH	Summer1	B	BTSS	8.88	0.3546	-0.15	12.75	-26.94	No Trend	0.1397
RPPMH	Summer1	S	SECCHI	0.00	0.3788	0.00	1.15	0.00	No Trend	0.0959
RPPMH	Summer1	B	BDO	0.00	0.5173	-0.01	5.38	-4.38	No Trend	0.5049
RPPMH	Summer1	S	SSALINITY	0.00	0.0324	-0.10	17.23	-12.80	No Trend	0.9638
RPPMH	Summer1	B	BSALINITY	0.00	0.3029	-0.04	17.82	-4.76	No Trend	0.8122
RPPMH	Summer1	S	SWTEMP	0.00	0.5971	0.01	25.15	0.74	No Trend	0.0495
RPPMH	Summer1	B	BWTEMP	0.00	0.5344	-0.01	25.13	-1.02	No Trend	0.0689
CRRMH	Summer1	S	SCHLA	5.22	0.9679	0.00	11.24	0.00	No Trend	0.7073
CRRMH	Summer1	S	STSS	52.43	0.0006	-0.06	7.50	No Estimate	High BDLs	0.0751
CRRMH	Summer1	B	BTSS	28.26	0.0030	-0.24	14.00	No Estimate	Improving	0.5397
CRRMH	Summer1	S	SECCHI	0.00	0.0092	-0.01	1.48	-12.31	Degrading	0.0297
CRRMH	Summer1	B	BDO	0.00	0.2557	-0.03	4.95	-11.62	No Trend	0.8651
CRRMH	Summer1	S	SSALINITY	0.00	0.0040	-0.14	18.17	-18.29	Decreasing	0.9924
CRRMH	Summer1	B	BSALINITY	0.00	0.0247	-0.09	18.38	-10.84	No Trend	0.9953
CRRMH	Summer1	S	SWTEMP	0.00	0.1910	0.02	25.75	2.21	No Trend	0.0654
CRRMH	Summer1	B	BWTEMP	0.00	0.7311	-0.01	25.50	-0.58	No Trend	0.0414
PIAMH	Summer1	S	SCHLA	2.00	0.0428	0.10	7.95	27.95	No Trend	0.9592
PIAMH	Summer1	S	STSS	8.00	0.0104	-0.17	8.25	-47.60	No Trend	0.4765
PIAMH	Summer1	B	BTSS	2.00	0.0064	-0.23	19.00	-28.19	Improving	0.9290
PIAMH	Summer1	S	SECCHI	0.00	0.0000	-0.02	1.35	-30.98	Degrading	0.3971
PIAMH	Summer1	B	BDO	0.00	0.0516	0.05	6.45	16.39	No Trend	0.0762
PIAMH	Summer1	S	SSALINITY	0.00	0.1512	-0.06	19.41	-7.48	No Trend	0.9839
PIAMH	Summer1	B	BSALINITY	0.00	0.2772	-0.05	19.99	-5.84	No Trend	0.8236
PIAMH	Summer1	S	SWTEMP	0.00	0.1840	0.03	25.10	3.09	No Trend	0.7092
PIAMH	Summer1	B	BWTEMP	0.00	0.7884	0.00	24.83	0.41	No Trend	0.9062
POCMH	Summer1	S	SCHLA	0.38	0.3417	0.05	10.03	10.83	No Trend	0.2006
POCMH	Summer1	S	STSS	0.00	0.0022	-0.38	15.50	-55.67	Improving	0.1220
POCMH	Summer1	B	BTSS	0.00	0.0005	-0.46	21.75	-48.64	Improving	0.7521
POCMH	Summer1	S	SECCHI	0.00	0.0018	-0.01	0.75	-21.90	Degrading	0.0054
POCMH	Summer1	B	BDO	0.00	0.1250	0.01	6.73	4.89	No Trend	0.4908
POCMH	Summer1	S	SSALINITY	0.00	0.0664	-0.06	19.37	-6.97	No Trend	0.9765
POCMH	Summer1	B	BSALINITY	0.00	0.1161	-0.05	19.56	-5.70	No Trend	0.8876
POCMH	Summer1	S	SWTEMP	0.00	0.5347	0.01	25.05	1.08	No Trend	0.5345
POCMH	Summer1	B	BWTEMP	0.00	0.7213	0.01	25.03	0.50	No Trend	0.6042
CB6PH	Summer1	S	SCHLA	1.09	0.0507	0.07	6.32	26.10	No Trend	0.4979
CB6PH	Summer1	S	STSS	6.74	0.0265	-0.10	8.28	-27.70	No Trend	0.4453
CB6PH	Summer1	B	BTSS	0.68	0.0684	-0.21	15.13	-32.01	No Trend	0.1660
CB6PH	Summer1	S	SECCHI	0.00	0.0000	-0.03	1.83	-31.51	Degrading	0.9037
CB6PH	Summer1	B	BDO	0.00	0.0207	0.05	4.58	23.06	No Trend	0.3787
CB6PH	Summer1	S	SSALINITY	0.00	0.2561	-0.04	20.45	-4.78	No Trend	0.8145
CB6PH	Summer1	B	BSALINITY	0.00	0.2096	-0.03	24.86	-2.81	No Trend	0.5679
CB6PH	Summer1	S	SWTEMP	0.00	0.9579	0.00	25.80	0.02	No Trend	0.6468
CB6PH	Summer1	B	BWTEMP	0.00	0.9368	0.00	24.70	0.12	No Trend	0.8033

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
CB7PH	Summer1	S	SCHLA	2.22	0.0021	0.10	4.62	51.71	Degrading	0.9190
CB7PH	Summer1	S	STSS	6.53	0.0644	-0.07	7.41	-21.41	No Trend	0.4658
CB7PH	Summer1	B	BTSS	0.90	0.0162	-0.28	18.00	-35.35	No Trend	0.0202
CB7PH	Summer1	S	SECCHI	0.00	0.0000	-0.03	1.95	-33.70	Degrading	0.5320
CB7PH	Summer1	B	BDO	0.00	0.1693	0.02	5.83	6.58	No Trend	0.5970
CB7PH	Summer1	S	SSALINITY	0.00	0.2398	-0.04	21.76	-4.67	No Trend	0.8896
CB7PH	Summer1	B	BSALINITY	0.00	0.3980	-0.02	25.55	-1.99	No Trend	0.7087
CB7PH	Summer1	S	SWTEMP	0.00	0.5343	0.01	25.80	0.81	No Trend	0.6040
CB7PH	Summer1	B	BWTEMP	0.00	0.9473	0.00	24.70	0.00	No Trend	0.4542
CB8PH	Summer1	S	SCHLA	2.69	0.0007	0.12	4.32	62.70	Degrading	0.0842
CB8PH	Summer1	S	STSS	9.52	0.0406	0.08	7.00	25.41	No Trend	0.5904
CB8PH	Summer1	B	BTSS	0.67	0.5436	-0.05	10.83	-10.25	No Trend	0.8561
CB8PH	Summer1	S	SECCHI	0.00	0.0000	-0.04	2.20	-41.82	Degrading	0.9335
CB8PH	Summer1	B	BDO	0.00	0.0002	0.03	6.25	12.00	Improving	0.7391
CB8PH	Summer1	S	SSALINITY	0.00	0.0100	-0.09	25.65	-8.11	No Trend	0.8943
CB8PH	Summer1	B	BSALINITY	0.00	0.0082	-0.06	29.84	-4.25	Decreasing	0.7393
CB8PH	Summer1	S	SWTEMP	0.00	0.9053	0.00	24.90	0.03	No Trend	0.7436
CB8PH	Summer1	B	BWTEMP	0.00	0.7214	0.01	22.28	1.25	No Trend	0.8367
APPTF	Summer2	S	SCHLA	4.76	0.1907	-0.58	47.23	-28.08	No Trend	0.8224
APPTF	Summer2	S	STSS	0.00	0.7730	0.05	24.50	4.30	No Trend	0.7166
APPTF	Summer2	B	BTSS	0.00	0.4552	-0.24	32.25	-14.59	No Trend	0.5862
APPTF	Summer2	S	SECCHI	0.00	0.0000	-0.01	0.50	-38.33	Degrading	0.9651
APPTF	Summer2	B	BDO	0.00	0.0036	0.05	6.70	17.16	Improving	0.8546
APPTF	Summer2	S	SSALINITY	0.00	0.7542	0.00	0.01	0.00	No Trend	0.4052
APPTF	Summer2	B	BSALINITY	0.00	0.6284	0.00	0.01	0.00	No Trend	0.3576
APPTF	Summer2	S	SWTEMP	0.00	0.1347	0.05	25.63	4.49	No Trend	0.7489
APPTF	Summer2	B	BWTEMP	0.00	0.2964	0.05	25.13	4.99	No Trend	0.7355
JMSTF1	Summer2	S	SCHLA	3.00	0.0672	-0.69	26.75	-59.32	No Trend	0.8853
JMSTF1	Summer2	S	STSS	0.00	0.5766	0.13	19.25	12.99	No Trend	0.2294
JMSTF1	Summer2	B	BTSS	0.00	0.9374	0.11	30.00	7.14	No Trend	0.8138
JMSTF1	Summer2	S	SECCHI	0.00	0.0001	-0.01	0.68	-34.07	Degrading	0.9843
JMSTF1	Summer2	B	BDO	0.00	0.1608	0.02	6.40	6.62	No Trend	0.5435
JMSTF1	Summer2	S	SSALINITY	0.00	0.6765	0.00	0.13	0.00	No Trend	0.9181
JMSTF1	Summer2	B	BSALINITY	0.00	0.8938	0.00	0.16	0.00	No Trend	0.9727
JMSTF1	Summer2	S	SWTEMP	0.00	0.9878	0.00	24.88	0.00	No Trend	0.4186
JMSTF1	Summer2	B	BWTEMP	0.00	0.8639	0.00	25.00	0.32	No Trend	0.2861
JMSTF2	Summer2	S	SCHLA	52.59	0.0594	0.04	4.64	No Estimate	High BDLs	0.9573
JMSTF2	Summer2	S	STSS	27.94	0.3616	0.06	10.00	No Estimate	No Trend	0.0207
JMSTF2	Summer2	B	BTSS	1.48	0.0016	0.79	14.00	112.24	Degrading	0.8100
JMSTF2	Summer2	S	SECCHI	0.00	0.0003	-0.02	1.00	-53.08	Degrading	0.5046
JMSTF2	Summer2	B	BDO	0.00	0.2394	0.01	6.20	4.73	No Trend	0.8639
JMSTF2	Summer2	S	SSALINITY	0.00	0.2866	0.00	0.01	0.00	No Trend	0.8600
JMSTF2	Summer2	B	BSALINITY	0.00	0.3016	0.00	0.01	0.00	No Trend	0.8997
JMSTF2	Summer2	S	SWTEMP	0.00	0.5021	0.02	26.30	1.80	No Trend	0.6744
JMSTF2	Summer2	B	BWTEMP	0.00	0.3832	0.03	25.38	2.78	No Trend	0.5524
CHKOH	Summer2	S	SCHLA	0.00	0.0002	-0.63	29.45	-42.48	Improving	0.5875
CHKOH	Summer2	S	STSS	0.00	0.0139	0.44	17.25	51.53	No Trend	0.9582
CHKOH	Summer2	B	BTSS	0.00	0.0028	2.00	36.25	110.34	Degrading	0.7672
CHKOH	Summer2	S	SECCHI	0.00	0.0000	-0.02	0.65	-47.34	Degrading	0.8877
CHKOH	Summer2	B	BDO	0.00	0.5384	0.01	5.75	3.48	No Trend	0.7427
CHKOH	Summer2	S	SSALINITY	0.00	0.0167	0.01	0.01	2500.00	No Trend	0.5613
CHKOH	Summer2	B	BSALINITY	0.00	0.0144	0.01	0.01	2750.00	No Trend	0.5749
CHKOH	Summer2	S	SWTEMP	0.00	0.6588	0.02	26.93	1.39	No Trend	0.2473
CHKOH	Summer2	B	BWTEMP	0.00	0.5643	0.02	26.78	1.40	No Trend	0.2419

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
JMSOH Summer2	S	SCHLA		2.37	0.6742	-0.02	8.07	-6.33	No Trend	0.9795
JMSOH Summer2	S	STSS		1.47	0.7828	0.04	26.00	3.35	No Trend	0.1941
JMSOH Summer2	B	BTSS		0.00	0.3878	0.50	57.25	17.47	No Trend	0.6823
JMSOH Summer2	S	SECCHI		0.00	0.0910	0.00	0.70	-16.43	No Trend	0.9731
JMSOH Summer2	B	BDO		0.00	0.1225	-0.02	6.98	-5.28	No Trend	0.3034
JMSOH Summer2	S	SSALINITY		0.00	1.0000	0.00	6.41	0.00	No Trend	0.8780
JMSOH Summer2	B	BSALINITY		0.00	0.9503	0.00	7.10	1.35	No Trend	0.7944
JMSOH Summer2	S	SWTEMP		0.00	0.8032	0.01	26.05	0.74	No Trend	0.6209
JMSOH Summer2	B	BWTEMP		0.00	0.8517	0.01	25.90	0.51	No Trend	0.7647
JMSMH Summer2	S	SCHLA		22.75	0.0018	0.10	4.28	No Estimate	Degrading	0.1553
JMSMH Summer2	S	STSS		5.71	0.3945	-0.08	12.00	-15.97	No Trend	0.7065
JMSMH Summer2	B	BTSS		1.47	0.0391	0.72	20.25	71.58	No Trend	0.3568
JMSMH Summer2	S	SECCHI		0.00	0.3254	0.00	1.10	-6.53	No Trend	0.3504
JMSMH Summer2	B	BDO		0.00	0.3844	0.01	6.00	4.09	No Trend	0.0496
JMSMH Summer2	S	SSALINITY		0.00	0.6041	-0.03	18.36	-4.18	No Trend	0.7616
JMSMH Summer2	B	BSALINITY		0.00	0.4277	-0.03	20.42	-3.13	No Trend	0.9763
JMSMH Summer2	S	SWTEMP		0.00	0.7718	-0.01	25.90	-0.55	No Trend	0.5732
JMSMH Summer2	B	BWTEMP		0.00	0.8908	0.00	25.55	-0.15	No Trend	0.6712
JMSPH Summer2	S	SCHLA		10.55	0.0000	0.26	3.85	154.61	Degrading	0.5776
JMSPH Summer2	S	STSS		2.75	0.4188	-0.05	9.78	-11.76	No Trend	0.5197
JMSPH Summer2	B	BTSS		1.09	0.0718	-0.26	17.95	-33.56	No Trend	0.9845
JMSPH Summer2	S	SECCHI		0.00	0.0002	-0.01	1.25	-26.29	Degrading	0.5576
JMSPH Summer2	B	BDO		0.00	0.0001	0.05	5.90	19.49	Improving	0.5734
JMSPH Summer2	S	SSALINITY		0.00	0.0315	-0.09	24.03	-8.82	No Trend	0.9868
JMSPH Summer2	B	BSALINITY		0.00	0.0002	-0.19	25.83	-16.86	Decreasing	0.4319
JMSPH Summer2	S	SWTEMP		0.00	0.3440	-0.01	26.15	-1.12	No Trend	0.5651
JMSPH Summer2	B	BWTEMP		0.00	0.0032	0.07	23.38	6.66	Increasing	0.1569
PMKTF Summer2	S	SCHLA		24.69	0.0242	-0.09	6.12	No Estimate	No Trend	0.1097
PMKTF Summer2	S	STSS		4.48	0.4797	0.13	12.25	20.41	No Trend	0.4015
PMKTF Summer2	B	BTSS		6.06	0.0710	-0.57	18.00	-63.49	No Trend	0.4363
PMKTF Summer2	S	SECCHI		0.00	0.7711	0.00	0.60	0.00	No Trend	0.4039
PMKTF Summer2	B	BDO		0.00	0.0184	0.03	5.08	13.12	No Trend	0.7892
PMKTF Summer2	S	SSALINITY		0.00	0.1314	0.00	0.01	0.00	No Trend	0.6638
PMKTF Summer2	B	BSALINITY		0.00	0.1689	0.00	0.01	0.00	No Trend	0.7786
PMKTF Summer2	S	SWTEMP		0.00	0.0008	0.10	25.50	9.08	Increasing	0.2898
PMKTF Summer2	B	BWTEMP		0.00	0.0021	0.10	26.00	8.85	Increasing	0.2432
PMKOH Summer2	S	SCHLA		3.57	0.9379	-0.01	10.48	-1.98	No Trend	0.2117
PMKOH Summer2	S	STSS		1.41	0.0158	-0.90	19.00	-108.52	No Trend	0.5387
PMKOH Summer2	B	BTSS		0.00	0.0240	-3.98	182.75	-43.60	No Trend	0.9267
PMKOH Summer2	S	SECCHI		0.00	0.0196	0.00	0.45	23.23	No Trend	0.9771
PMKOH Summer2	B	BDO		0.00	0.3710	-0.01	4.73	-4.87	No Trend	0.6878
PMKOH Summer2	S	SSALINITY		0.00	0.3715	0.07	6.68	24.35	No Trend	0.4589
PMKOH Summer2	B	BSALINITY		0.00	0.2863	0.09	7.17	28.19	No Trend	0.5245
PMKOH Summer2	S	SWTEMP		0.00	0.0701	0.04	26.48	3.63	No Trend	0.3093
PMKOH Summer2	B	BWTEMP		0.00	0.0303	0.04	26.38	3.36	No Trend	0.3012
MPNTF Summer2	S	SCHLA		32.93	0.0381	-0.05	8.59	No Estimate	No Trend	0.9861
MPNTF Summer2	S	STSS		41.79	0.0805	0.00	5.50	No Estimate	High BDLs	0.1388
MPNTF Summer2	B	BTSS		27.27	0.1096	-0.08	8.00	No Estimate	No Trend	0.0838
MPNTF Summer2	S	SECCHI		0.00	0.6407	0.00	0.88	0.00	No Trend	0.0171
MPNTF Summer2	B	BDO		0.00	0.1761	0.01	5.45	5.86	No Trend	0.7288
MPNTF Summer2	S	SSALINITY		0.00	0.5905	0.00	0.01	0.00	No Trend	0.9418
MPNTF Summer2	B	BSALINITY		0.00	0.5715	0.00	0.01	0.00	No Trend	0.8389
MPNTF Summer2	S	SWTEMP		0.00	0.0001	0.16	25.63	14.16	Increasing	0.3339
MPNTF Summer2	B	BWTEMP		0.00	0.0016	0.12	26.50	10.63	Increasing	0.6641

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
MPNOH	Summer2	S	SCHLA	7.50	0.3666	-0.07	9.77	-15.53	No Trend	0.5569
MPNOH	Summer2	S	STSS	1.41	0.9005	0.00	14.50	0.00	No Trend	0.5117
MPNOH	Summer2	B	BTSS	0.00	0.8357	-0.11	36.00	-6.17	No Trend	0.0858
MPNOH	Summer2	S	SECCHI	0.00	0.2187	0.00	0.60	0.00	No Trend	0.6097
MPNOH	Summer2	B	BDO	0.00	0.8939	0.00	4.95	0.00	No Trend	0.9958
MPNOH	Summer2	S	SSALINITY	0.00	0.1523	0.10	7.84	30.61	No Trend	0.4561
MPNOH	Summer2	B	BSALINITY	0.00	0.1527	0.13	8.23	34.93	No Trend	0.5640
MPNOH	Summer2	S	SWTEMP	0.00	0.0158	0.06	26.58	5.33	No Trend	0.4640
MPNOH	Summer2	B	BWTEMP	0.00	0.0422	0.05	26.35	4.76	No Trend	0.3115
YRKMHS	Summer2	S	SCHLA	1.79	0.6293	-0.03	10.17	-5.99	No Trend	0.2977
YRKMHS	Summer2	S	STSS	0.00	0.1443	-0.25	22.50	-22.22	No Trend	0.7909
YRKMHS	Summer2	B	BTSS	0.75	0.8749	-0.08	38.25	-4.36	No Trend	0.1080
YRKMHS	Summer2	S	SECCHI	0.00	0.4649	0.00	0.58	0.00	No Trend	0.6474
YRKMHS	Summer2	B	BDO	0.00	0.5135	-0.01	5.25	-4.09	No Trend	0.2501
YRKMHS	Summer2	S	SSALINITY	0.00	0.2492	-0.08	16.05	-12.18	No Trend	0.7724
YRKMHS	Summer2	B	BSALINITY	0.00	0.2245	-0.06	17.12	-7.88	No Trend	0.5922
YRKMHS	Summer2	S	SWTEMP	0.00	0.0316	0.05	26.15	3.96	No Trend	0.2568
YRKMHS	Summer2	B	BWTEMP	0.00	0.0259	0.04	25.98	3.58	No Trend	0.0209
YRKPH	Summer2	S	SCHLA	5.36	0.0240	0.11	7.88	31.92	No Trend	0.7189
YRKPH	Summer2	S	STSS	10.00	0.8513	0.00	6.50	0.00	No Trend	0.4495
YRKPH	Summer2	B	BTSS	3.73	0.5692	0.15	19.25	15.28	No Trend	0.3364
YRKPH	Summer2	S	SECCHI	0.00	0.0088	-0.01	1.18	-18.35	Degrading	0.7617
YRKPH	Summer2	B	BDO	0.00	0.8360	0.01	4.90	3.23	No Trend	0.2308
YRKPH	Summer2	S	SSALINITY	0.00	0.0027	-0.14	23.06	-13.68	Decreasing	0.9846
YRKPH	Summer2	B	BSALINITY	0.00	0.0270	-0.09	23.89	-8.61	No Trend	0.8071
YRKPH	Summer2	S	SWTEMP	0.00	0.4268	0.02	25.88	1.76	No Trend	0.4391
YRKPH	Summer2	B	BWTEMP	0.00	0.5129	0.02	24.93	2.05	No Trend	0.4451
MOBPH	Summer2	S	SCHLA	0.66	0.0607	0.10	8.02	29.70	No Trend	0.6001
MOBPH	Summer2	S	STSS	1.52	0.0018	-0.35	15.50	-51.94	Improving	0.5939
MOBPH	Summer2	B	BTSS	0.22	0.0007	-0.44	23.90	-42.10	Improving	0.3260
MOBPH	Summer2	S	SECCHI	0.00	0.0000	-0.02	1.18	-29.36	Degrading	0.5339
MOBPH	Summer2	B	BDO	0.00	0.0036	0.04	5.48	18.90	Improving	0.0368
MOBPH	Summer2	S	SSALINITY	0.00	0.0260	-0.09	23.01	-9.16	No Trend	0.9887
MOBPH	Summer2	B	BSALINITY	0.00	0.0547	-0.09	23.38	-8.46	No Trend	0.8961
MOBPH	Summer2	S	SWTEMP	0.00	0.1350	0.04	26.43	3.17	No Trend	0.4353
MOBPH	Summer2	B	BWTEMP	0.00	0.0546	0.04	25.43	3.73	No Trend	0.6614
RPPTF	Summer2	S	SCHLA	6.13	0.4190	-0.20	26.66	-17.54	No Trend	0.6913
RPPTF	Summer2	S	STSS	0.00	0.1597	-0.17	25.75	-12.94	No Trend	0.2982
RPPTF	Summer2	B	BTSS	0.99	0.4880	-0.28	33.25	-16.69	No Trend	0.8321
RPPTF	Summer2	S	SECCHI	0.00	0.9842	0.00	0.40	0.00	No Trend	0.1609
RPPTF	Summer2	B	BDO	0.00	0.0121	-0.04	6.98	-13.64	No Trend	0.6408
RPPTF	Summer2	S	SSALINITY	0.00	0.0001	0.00	0.01	0.00	Unchanged	0.7944
RPPTF	Summer2	B	BSALINITY	0.00	0.0001	0.00	0.01	0.00	Unchanged	0.2901
RPPTF	Summer2	S	SWTEMP	0.00	0.1606	0.05	26.25	4.38	No Trend	0.0713
RPPTF	Summer2	B	BWTEMP	0.00	0.1430	0.05	26.00	4.79	No Trend	0.0614
RPPOH	Summer2	S	SCHLA	2.44	0.0000	0.52	9.91	120.97	Degrading	0.7391
RPPOH	Summer2	S	STSS	0.00	0.4537	-0.15	18.50	-16.63	No Trend	0.5886
RPPOH	Summer2	B	BTSS	1.49	0.0709	0.63	30.00	41.67	No Trend	0.7611
RPPOH	Summer2	S	SECCHI	0.00	0.0001	-0.01	0.68	-34.07	Degrading	0.3523
RPPOH	Summer2	B	BDO	0.00	0.4543	0.01	6.13	4.69	No Trend	0.5564
RPPOH	Summer2	S	SSALINITY	0.00	0.3055	-0.03	5.14	-11.89	No Trend	0.8617
RPPOH	Summer2	B	BSALINITY	0.00	0.4822	-0.02	5.50	-10.12	No Trend	0.5269
RPPOH	Summer2	S	SWTEMP	0.00	0.0069	0.07	27.53	6.23	Increasing	0.1298
RPPOH	Summer2	B	BWTEMP	0.00	0.0268	0.05	27.43	4.61	No Trend	0.0726

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
RPPMH	Summer2	S	SCHLA	3.90	0.0058	0.14	8.04	41.34	Degrading	0.3087
RPPMH	Summer2	S	STSS	18.46	0.0029	-0.24	8.50	No Estimate	Improving	0.3841
RPPMH	Summer2	B	BTSS	10.04	0.1193	-0.30	12.75	-54.12	No Trend	0.2020
RPPMH	Summer2	S	SECCHI	0.00	0.5478	0.00	1.05	0.00	No Trend	0.0441
RPPMH	Summer2	B	BDO	0.00	0.4548	-0.01	5.38	-5.50	No Trend	0.3328
RPPMH	Summer2	S	SSALINITY	0.00	0.0353	-0.10	18.07	-13.13	No Trend	0.9868
RPPMH	Summer2	B	BSALINITY	0.00	0.3291	-0.04	18.85	-5.15	No Trend	0.6291
RPPMH	Summer2	S	SWTEMP	0.00	0.2108	0.03	26.40	2.25	No Trend	0.0699
RPPMH	Summer2	B	BWTEMP	0.00	0.7140	0.00	26.08	0.32	No Trend	0.1477
CRRMH	Summer2	S	SCHLA	7.14	0.9503	0.00	11.24	0.00	No Trend	0.5065
CRRMH	Summer2	S	STSS	52.00	0.0000	-0.16	9.00	No Estimate	High BDLs	0.7484
CRRMH	Summer2	B	BTSS	30.88	0.0083	-0.25	16.00	No Estimate	Improving	0.3464
CRRMH	Summer2	S	SECCHI	0.00	0.0812	-0.01	1.58	-11.23	No Trend	0.0212
CRRMH	Summer2	B	BDO	0.00	0.2223	-0.03	4.60	-13.33	No Trend	0.7746
CRRMH	Summer2	S	SSALINITY	0.00	0.0083	-0.15	18.77	-18.38	Decreasing	0.9943
CRRMH	Summer2	B	BSALINITY	0.00	0.0380	-0.09	19.13	-11.37	No Trend	0.9991
CRRMH	Summer2	S	SWTEMP	0.00	0.0491	0.04	27.10	3.59	No Trend	0.1094
CRRMH	Summer2	B	BWTEMP	0.00	0.5721	0.01	26.55	1.18	No Trend	0.0717
PIAMH	Summer2	S	SCHLA	0.87	0.1310	0.08	7.95	24.08	No Trend	0.9623
PIAMH	Summer2	S	STSS	7.83	0.0058	-0.19	9.00	-47.95	Improving	0.5050
PIAMH	Summer2	B	BTSS	1.74	0.0259	-0.23	19.00	-28.10	No Trend	0.8226
PIAMH	Summer2	S	SECCHI	0.00	0.0030	-0.02	1.35	-25.56	Degrading	0.7846
PIAMH	Summer2	B	BDO	0.00	0.0397	0.05	5.93	20.24	No Trend	0.0424
PIAMH	Summer2	S	SSALINITY	0.00	0.1611	-0.07	19.41	-8.15	No Trend	0.9693
PIAMH	Summer2	B	BSALINITY	0.00	0.4272	-0.05	20.14	-5.50	No Trend	0.6636
PIAMH	Summer2	S	SWTEMP	0.00	0.1431	0.04	25.63	4.00	No Trend	0.6021
PIAMH	Summer2	B	BWTEMP	0.00	0.9008	0.00	25.63	0.22	No Trend	0.7743
POCMH	Summer2	S	SCHLA	0.00	0.8191	-0.01	11.22	-1.78	No Trend	0.9019
POCMH	Summer2	S	STSS	0.00	0.0010	-0.40	17.50	-52.57	Improving	0.1253
POCMH	Summer2	B	BTSS	0.00	0.0024	-0.46	21.75	-49.03	Improving	0.5480
POCMH	Summer2	S	SECCHI	0.00	0.0514	0.00	0.73	-15.11	No Trend	0.0055
POCMH	Summer2	B	BDO	0.00	0.0626	0.02	6.60	6.53	No Trend	0.5291
POCMH	Summer2	S	SSALINITY	0.00	0.1060	-0.05	19.47	-6.16	No Trend	0.9030
POCMH	Summer2	B	BSALINITY	0.00	0.2002	-0.04	19.79	-5.04	No Trend	0.7361
POCMH	Summer2	S	SWTEMP	0.00	0.6583	0.01	25.60	1.01	No Trend	0.3412
POCMH	Summer2	B	BWTEMP	0.00	0.7719	0.01	25.43	0.49	No Trend	0.3969
CB6PH	Summer2	S	SCHLA	1.29	0.0231	0.09	6.11	34.91	No Trend	0.5963
CB6PH	Summer2	S	STSS	6.29	0.0141	-0.13	8.90	-32.51	No Trend	0.4651
CB6PH	Summer2	B	BTSS	0.66	0.0196	-0.28	18.00	-36.14	No Trend	0.2465
CB6PH	Summer2	S	SECCHI	0.00	0.0000	-0.03	1.83	-31.51	Degrading	0.7997
CB6PH	Summer2	B	BDO	0.00	0.0108	0.06	4.08	33.93	No Trend	0.3878
CB6PH	Summer2	S	SSALINITY	0.00	0.4017	-0.04	20.45	-3.99	No Trend	0.6501
CB6PH	Summer2	B	BSALINITY	0.00	0.1653	-0.04	25.06	-3.56	No Trend	0.4362
CB6PH	Summer2	S	SWTEMP	0.00	0.9878	0.00	26.08	0.00	No Trend	0.4402
CB6PH	Summer2	B	BWTEMP	0.00	0.9029	0.00	25.45	0.31	No Trend	0.6126
CB7PH	Summer2	S	SCHLA	2.25	0.0041	0.11	4.62	55.26	Degrading	0.8454
CB7PH	Summer2	S	STSS	5.92	0.0366	-0.09	7.41	-29.24	No Trend	0.4493
CB7PH	Summer2	B	BTSS	0.88	0.0012	-0.38	21.75	-40.10	Improving	0.1122
CB7PH	Summer2	S	SECCHI	0.00	0.0000	-0.03	1.93	-29.87	Degrading	0.6686
CB7PH	Summer2	B	BDO	0.00	0.1160	0.02	5.78	8.69	No Trend	0.5217
CB7PH	Summer2	S	SSALINITY	0.00	0.4642	-0.04	21.76	-3.70	No Trend	0.8595
CB7PH	Summer2	B	BSALINITY	0.00	0.4926	-0.02	25.81	-1.86	No Trend	0.5020
CB7PH	Summer2	S	SWTEMP	0.00	0.7026	0.01	25.90	0.53	No Trend	0.4161
CB7PH	Summer2	B	BWTEMP	0.00	0.8787	0.00	24.88	-0.29	No Trend	0.2948

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
CB8PHSummer2		S	SCHLA	2.74	0.0024	0.13	3.88	75.68	Degrading	0.0369
CB8PHSummer2		S	STSS	8.74	0.0353	0.08	7.00	25.88	No Trend	0.4785
CB8PHSummer2		B	BTSS	0.58	0.4368	-0.07	9.78	-15.69	No Trend	0.7715
CB8PHSummer2		S	SECCHI	0.00	0.0000	-0.04	2.18	-39.66	Degrading	0.8571
CB8PHSummer2		B	BDO	0.00	0.0012	0.03	6.10	11.91	Improving	0.5332
CB8PHSummer2		S	SSALINITY	0.00	0.0135	-0.09	26.02	-8.35	No Trend	0.8276
CB8PHSummer2		B	BSALINITY	0.00	0.0315	-0.06	29.82	-4.28	No Trend	0.5537
CB8PHSummer2		S	SWTEMP	0.00	0.8308	0.00	24.93	0.42	No Trend	0.5516
CB8PHSummer2		B	BWTEMP	0.00	0.5935	0.02	22.50	1.87	No Trend	0.7222
APPTF	Fall	S	SCHLA	30.88	0.2130	0.00	8.09	No Estimate	No Trend	0.0576
APPTF	Fall	S	STSS	0.00	0.5608	0.13	15.00	16.67	No Trend	0.6489
APPTF	Fall	B	BTSS	0.00	0.7715	-0.10	23.00	-8.70	No Trend	0.9219
APPTF	Fall	S	SECCHI	0.00	0.0779	0.00	0.50	0.00	No Trend	0.6813
APPTF	Fall	B	BDO	0.00	0.0085	0.06	8.23	17.79	Improving	0.1786
APPTF	Fall	S	SSALINITY	0.00	0.1196	0.00	0.01	0.00	No Trend	0.8350
APPTF	Fall	B	BSALINITY	0.00	0.1196	0.00	0.01	0.00	No Trend	0.8350
APPTF	Fall	S	SWTEMP	0.00	0.4163	-0.05	12.25	-9.13	No Trend	0.4996
APPTF	Fall	B	BWTEMP	0.00	0.5506	-0.03	12.25	-6.02	No Trend	0.4168
JMSTF1	Fall	S	SCHLA	26.90	0.0196	-0.12	11.27	No Estimate	No Trend	0.4463
JMSTF1	Fall	S	STSS	0.57	0.2863	-0.28	20.75	-26.62	No Trend	0.7523
JMSTF1	Fall	B	BTSS	0.57	0.8595	0.00	172.00	0.00	No Trend	0.8222
JMSTF1	Fall	S	SECCHI	0.00	0.0854	0.00	0.53	0.00	No Trend	0.7850
JMSTF1	Fall	B	BDO	0.00	0.0455	0.05	8.80	11.79	No Trend	0.4774
JMSTF1	Fall	S	SSALINITY	0.00	0.3102	0.00	0.01	0.00	No Trend	0.9366
JMSTF1	Fall	B	BSALINITY	0.00	0.3320	0.00	0.01	0.00	No Trend	0.8690
JMSTF1	Fall	S	SWTEMP	0.00	0.1753	-0.07	12.63	-12.75	No Trend	0.6231
JMSTF1	Fall	B	BWTEMP	0.00	0.2352	-0.07	12.50	-12.11	No Trend	0.7727
JMSTF2	Fall	S	SCHLA	82.99	0.2717	0.00	3.10	No Estimate	High BDLs	0.5592
JMSTF2	Fall	S	STSS	47.70	0.0941	0.00	5.00	No Estimate	High BDLs	0.7580
JMSTF2	Fall	B	BTSS	15.52	0.0137	0.36	9.50	No Estimate	No Trend	0.4288
JMSTF2	Fall	S	SECCHI	0.00	0.5911	-0.01	0.90	-18.25	No Trend	0.8229
JMSTF2	Fall	B	BDO	0.00	0.9337	0.00	10.20	0.52	No Trend	0.8760
JMSTF2	Fall	S	SSALINITY	0.00	0.1000	0.00	0.01	0.00	No Trend	0.3184
JMSTF2	Fall	B	BSALINITY	0.00	0.0659	0.00	0.01	0.00	No Trend	0.6539
JMSTF2	Fall	S	SWTEMP	0.00	0.3909	-0.05	11.75	-9.49	No Trend	0.9018
JMSTF2	Fall	B	BWTEMP	0.00	0.5163	-0.04	11.75	-8.17	No Trend	0.6301
CHKOH	Fall	S	SCHLA	8.77	0.0001	-0.81	22.35	-72.80	Improving	0.1623
CHKOH	Fall	S	STSS	0.00	0.9151	0.00	14.00	0.00	No Trend	0.4762
CHKOH	Fall	B	BTSS	0.00	0.0968	0.58	16.25	71.79	No Trend	0.9149
CHKOH	Fall	S	SECCHI	0.00	0.0351	-0.01	0.65	-18.10	No Trend	0.0452
CHKOH	Fall	B	BDO	0.00	0.0459	-0.04	10.20	-8.82	No Trend	0.9633
CHKOH	Fall	S	SSALINITY	0.00	0.4980	0.00	0.81	0.00	No Trend	0.9477
CHKOH	Fall	B	BSALINITY	0.00	0.4983	0.00	0.81	0.00	No Trend	0.9602
CHKOH	Fall	S	SWTEMP	0.00	0.4098	-0.06	13.70	-8.76	No Trend	0.6729
CHKOH	Fall	B	BWTEMP	0.00	0.5428	-0.04	13.50	-5.93	No Trend	0.6053
JMSOH	Fall	S	SCHLA	24.64	0.0031	-0.19	3.19	No Estimate	Improving	0.1126
JMSOH	Fall	S	STSS	5.83	0.8220	0.08	662.00	0.30	No Trend	0.2808
JMSOH	Fall	B	BTSS	0.85	0.6179	0.29	290.00	2.33	No Trend	0.3493
JMSOH	Fall	S	SECCHI	0.00	0.5726	0.00	0.53	0.00	No Trend	0.7164
JMSOH	Fall	B	BDO	0.00	0.4440	0.02	8.40	4.32	No Trend	0.7157
JMSOH	Fall	S	SSALINITY	0.00	0.5141	0.05	3.20	35.99	No Trend	0.7635
JMSOH	Fall	B	BSALINITY	0.00	0.2863	0.09	3.73	56.81	No Trend	0.6485
JMSOH	Fall	S	SWTEMP	0.00	0.1188	-0.07	12.70	-12.17	No Trend	0.4128
JMSOH	Fall	B	BWTEMP	0.00	0.1151	-0.07	12.83	-12.08	No Trend	0.3954

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
JMSMH	Fall	S	SCHLA	44.53	0.9474	0.00	3.10	No Estimate	High BDLs	0.0164
JMSMH	Fall	S	STSS	27.05	0.4299	-0.03	14.00	No Estimate	No Trend	0.5971
JMSMH	Fall	B	BTSS	9.40	0.2109	0.18	142.00	2.94	No Trend	0.3641
JMSMH	Fall	S	SECCHI	0.00	0.2569	-0.01	1.30	-17.69	No Trend	0.9268
JMSMH	Fall	B	BDO	0.00	0.0345	0.04	7.25	13.01	No Trend	0.4619
JMSMH	Fall	S	SSALINITY	0.00	0.6965	0.05	15.34	7.50	No Trend	0.7743
JMSMH	Fall	B	BSALINITY	0.00	0.9352	0.01	17.89	0.96	No Trend	0.8254
JMSMH	Fall	S	SWTEMP	0.00	0.1574	-0.08	15.40	-11.20	No Trend	0.6834
JMSMH	Fall	B	BWTEMP	0.00	0.0791	-0.07	15.70	-10.65	No Trend	0.5967
JMSPH	Fall	S	SCHLA	35.88	0.0005	0.09	3.10	No Estimate	Degrading	0.6175
JMSPH	Fall	S	STSS	23.97	0.7905	0.00	6.40	No Estimate	No Trend	0.8870
JMSPH	Fall	B	BTSS	5.79	0.0007	-0.40	22.88	-40.22	Improving	0.1754
JMSPH	Fall	S	SECCHI	0.00	0.0332	-0.01	1.85	-17.27	No Trend	0.3543
JMSPH	Fall	B	BDO	0.00	0.0037	0.05	7.55	13.90	Improving	0.4779
JMSPH	Fall	S	SSALINITY	0.00	0.3068	-0.07	22.66	-7.19	No Trend	0.8941
JMSPH	Fall	B	BSALINITY	0.00	0.1094	-0.09	24.26	-8.33	No Trend	0.6471
JMSPH	Fall	S	SWTEMP	0.00	0.2995	-0.04	14.10	-6.69	No Trend	0.9831
JMSPH	Fall	B	BWTEMP	0.00	0.3214	-0.04	14.28	-6.27	No Trend	0.9318
PMKTF	Fall	S	SCHLA	73.53	0.6061	0.00	3.10	No Estimate	High BDLs	0.7669
PMKTF	Fall	S	STSS	0.00	0.4649	0.14	12.75	22.41	No Trend	0.6895
PMKTF	Fall	B	BTSS	0.00	0.5898	-0.10	20.00	-10.00	No Trend	0.3744
PMKTF	Fall	S	SECCHI	0.00	0.1116	0.00	0.60	-10.09	No Trend	0.3390
PMKTF	Fall	B	BDO	0.00	0.0105	-0.06	6.55	-20.82	No Trend	0.5762
PMKTF	Fall	S	SSALINITY	0.00	0.0006	0.00	0.01	0.00	Unchanged	0.9847
PMKTF	Fall	B	BSALINITY	0.00	0.0006	0.00	0.01	0.00	Unchanged	0.9662
PMKTF	Fall	S	SWTEMP	0.00	0.0023	0.15	14.00	24.74	Increasing	0.8303
PMKTF	Fall	B	BWTEMP	0.00	0.0012	0.17	15.83	25.39	Increasing	0.8058
PMKOH	Fall	S	SCHLA	27.69	0.3238	0.00	3.10	No Estimate	No Trend	0.1473
PMKOH	Fall	S	STSS	1.59	0.9151	-0.08	36.00	-5.19	No Trend	0.3604
PMKOH	Fall	B	BTSS	0.00	0.4309	1.22	63.50	38.50	No Trend	0.9911
PMKOH	Fall	S	SECCHI	0.00	0.6317	0.00	0.50	0.00	No Trend	0.8895
PMKOH	Fall	B	BDO	0.00	0.0072	-0.05	6.38	-18.04	Degrading	0.4537
PMKOH	Fall	S	SSALINITY	0.00	0.1821	0.08	1.90	102.56	No Trend	0.8209
PMKOH	Fall	B	BSALINITY	0.00	0.1707	0.10	2.09	110.05	No Trend	0.7444
PMKOH	Fall	S	SWTEMP	0.00	0.0114	0.11	17.90	14.13	No Trend	0.8307
PMKOH	Fall	B	BWTEMP	0.00	0.0160	0.10	17.88	12.87	No Trend	0.9804
MPNTF	Fall	S	SCHLA	94.12	0.3296	0.00	3.10	No Estimate	High BDLs	0.7830
MPNTF	Fall	S	STSS	25.42	0.7889	0.00	6.00	No Estimate	No Trend	0.3805
MPNTF	Fall	B	BTSS	15.25	0.9676	0.00	7.00	No Estimate	No Trend	0.2407
MPNTF	Fall	S	SECCHI	0.00	0.8638	0.00	0.80	0.00	No Trend	0.1231
MPNTF	Fall	B	BDO	0.00	0.0235	-0.05	7.08	-14.86	No Trend	0.4308
MPNTF	Fall	S	SSALINITY	0.00	0.0214	0.00	0.01	0.00	No Trend	0.6121
MPNTF	Fall	B	BSALINITY	0.00	0.0214	0.00	0.01	0.00	No Trend	0.6121
MPNTF	Fall	S	SWTEMP	0.00	0.0006	0.17	13.50	29.43	Increasing	0.7962
MPNTF	Fall	B	BWTEMP	0.00	0.0005	0.20	15.28	29.61	Increasing	0.7601
MPNOH	Fall	S	SCHLA	36.23	0.4052	0.00	3.10	No Estimate	High BDLs	0.3159
MPNOH	Fall	S	STSS	3.03	0.3790	0.19	20.00	21.56	No Trend	0.5472
MPNOH	Fall	B	BTSS	1.67	0.8136	0.25	42.25	11.83	No Trend	0.3576
MPNOH	Fall	S	SECCHI	0.00	0.8928	0.00	0.50	0.00	No Trend	0.8432
MPNOH	Fall	B	BDO	0.00	0.1558	-0.03	6.53	-10.07	No Trend	0.8276
MPNOH	Fall	S	SSALINITY	0.00	0.0662	0.18	2.02	200.39	No Trend	0.9608
MPNOH	Fall	B	BSALINITY	0.00	0.1043	0.17	2.52	152.70	No Trend	0.9447
MPNOH	Fall	S	SWTEMP	0.00	0.0013	0.13	17.68	16.60	Increasing	0.8045
MPNOH	Fall	B	BWTEMP	0.00	0.0014	0.13	17.63	16.31	Increasing	0.7940

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
YRKMh	Fall	S	SCHLA	15.15	0.1311	0.10	4.90	No Estimate	No Trend	0.5028
YRKMh	Fall	S	STSS	0.00	1.0000	0.00	15.50	0.00	No Trend	0.5758
YRKMh	Fall	B	BTSS	0.85	0.2224	0.54	27.00	39.81	No Trend	0.4266
YRKMh	Fall	S	SECCHI	0.00	0.3826	0.00	0.85	0.00	No Trend	0.7584
YRKMh	Fall	B	BDO	0.00	0.0091	-0.04	6.85	-12.23	Degrading	0.5548
YRKMh	Fall	S	SSALINITY	0.00	0.6419	0.03	10.16	7.93	No Trend	0.6764
YRKMh	Fall	B	BSALINITY	0.00	0.9206	0.00	13.10	-0.88	No Trend	0.9320
YRKMh	Fall	S	SWTEMP	0.00	0.0147	0.14	17.73	17.91	No Trend	0.6666
YRKMh	Fall	B	BWTEMP	0.00	0.0045	0.15	17.78	19.41	Increasing	0.6082
YRKPH	Fall	S	SCHLA	31.06	0.0017	0.12	3.10	No Estimate	Degrading	0.1234
YRKPH	Fall	S	STSS	33.06	0.1402	0.06	5.00	No Estimate	No Trend	0.4538
YRKPH	Fall	B	BTSS	6.78	0.0950	0.50	10.25	97.56	No Trend	0.2602
YRKPH	Fall	S	SECCHI	0.00	0.0010	-0.02	1.50	-34.07	Degrading	0.1293
YRKPH	Fall	B	BDO	0.00	0.3261	-0.02	6.60	-8.18	No Trend	0.0915
YRKPH	Fall	S	SSALINITY	0.00	0.3137	-0.07	19.10	-7.95	No Trend	0.5045
YRKPH	Fall	B	BSALINITY	0.00	0.1111	-0.10	22.43	-10.36	No Trend	0.9465
YRKPH	Fall	S	SWTEMP	0.00	0.0098	0.12	18.00	15.51	Increasing	0.5650
YRKPH	Fall	B	BWTEMP	0.00	0.0033	0.14	18.20	17.06	Increasing	0.6827
MOBPH	Fall	S	SCHLA	2.25	0.0329	0.11	4.16	59.48	No Trend	0.3702
MOBPH	Fall	S	STSS	5.95	0.0020	-0.30	6.75	-102.48	Improving	0.3641
MOBPH	Fall	B	BTSS	3.35	0.0106	-0.45	7.25	-142.76	No Trend	0.9111
MOBPH	Fall	S	SECCHI	0.00	0.0015	-0.03	2.23	-25.84	Degrading	0.9912
MOBPH	Fall	B	BDO	0.00	0.0011	0.05	8.00	14.68	Improving	0.7407
MOBPH	Fall	S	SSALINITY	0.00	0.2492	-0.06	22.59	-6.21	No Trend	0.9671
MOBPH	Fall	B	BSALINITY	0.00	0.0369	-0.09	23.21	-8.99	No Trend	0.7947
MOBPH	Fall	S	SWTEMP	0.00	0.9876	0.00	15.33	-0.15	No Trend	0.8582
MOBPH	Fall	B	BWTEMP	0.00	0.9256	-0.01	14.60	-0.89	No Trend	0.8763
RPPTF	Fall	S	SCHLA	40.11	0.1969	0.00	11.38	No Estimate	High BDLs	0.1659
RPPTF	Fall	S	STSS	4.60	0.9082	0.00	27.00	0.00	No Trend	0.9089
RPPTF	Fall	B	BTSS	1.73	0.2816	-0.33	43.75	-15.24	No Trend	0.4696
RPPTF	Fall	S	SECCHI	0.00	0.0740	-0.01	0.50	-30.00	No Trend	0.4325
RPPTF	Fall	B	BDO	0.00	0.0448	-0.04	10.55	-9.81	No Trend	0.0972
RPPTF	Fall	S	SSALINITY	0.00	0.0001	0.00	0.01	0.00	Unchanged	0.6869
RPPTF	Fall	B	BSALINITY	0.00	0.0001	0.00	0.01	0.00	Unchanged	0.6869
RPPTF	Fall	S	SWTEMP	0.00	0.7319	0.02	9.00	3.93	No Trend	0.8940
RPPTF	Fall	B	BWTEMP	0.00	0.5231	0.02	9.00	5.79	No Trend	0.9344
RPPOH	Fall	S	SCHLA	20.00	0.0489	0.09	5.27	No Estimate	No Trend	0.7310
RPPOH	Fall	S	STSS	1.72	0.2994	0.29	19.00	30.08	No Trend	0.6525
RPPOH	Fall	B	BTSS	0.00	0.0424	0.92	28.25	65.32	No Trend	0.5160
RPPOH	Fall	S	SECCHI	0.00	0.2189	0.00	0.60	0.00	No Trend	0.4527
RPPOH	Fall	B	BDO	0.00	0.6650	-0.01	9.50	-2.70	No Trend	0.0210
RPPOH	Fall	S	SSALINITY	0.00	0.1882	-0.03	4.57	-14.51	No Trend	0.5067
RPPOH	Fall	B	BSALINITY	0.00	0.2069	-0.03	4.32	-13.67	No Trend	0.6463
RPPOH	Fall	S	SWTEMP	0.00	0.0827	0.10	11.35	20.26	No Trend	0.4706
RPPOH	Fall	B	BWTEMP	0.00	0.1111	0.07	11.20	15.32	No Trend	0.6252
RPPMH	Fall	S	SCHLA	12.62	0.0021	0.13	5.80	50.43	Degrading	0.5222
RPPMH	Fall	S	STSS	36.36	0.1746	-0.04	6.00	No Estimate	High BDLs	0.6477
RPPMH	Fall	B	BTSS	11.17	0.8907	0.00	13.50	0.00	No Trend	0.4020
RPPMH	Fall	S	SECCHI	0.00	0.2913	-0.01	1.50	-14.60	No Trend	0.9971
RPPMH	Fall	B	BDO	0.00	0.9513	0.00	7.93	0.00	No Trend	0.0448
RPPMH	Fall	S	SSALINITY	0.00	0.0352	-0.13	18.08	-15.91	No Trend	0.9465
RPPMH	Fall	B	BSALINITY	0.00	0.0340	-0.11	19.46	-13.09	No Trend	0.8166
RPPMH	Fall	S	SWTEMP	0.00	0.0876	0.06	12.98	10.86	No Trend	0.4152
RPPMH	Fall	B	BWTEMP	0.00	0.0769	0.07	13.33	11.22	No Trend	0.4674

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
CRRMH	Fall	S	SCHLA	28.36	0.0006	0.10	5.07	No Estimate	Degrading	0.8457
CRRMH	Fall	S	STSS	80.33	0.9097	0.00	5.00	No Estimate	High BDLs	0.1797
CRRMH	Fall	B	BTSS	54.72	0.2387	0.00	8.00	No Estimate	High BDLs	0.3052
CRRMH	Fall	S	SECCHI	0.00	0.0019	-0.04	2.50	-32.20	Degrading	0.2137
CRRMH	Fall	B	BDO	0.00	0.8860	-0.01	8.20	-1.40	No Trend	0.0327
CRRMH	Fall	S	SSALINITY	0.00	0.0145	-0.13	19.11	-16.12	No Trend	0.9148
CRRMH	Fall	B	BSALINITY	0.00	0.0329	-0.11	19.25	-13.66	No Trend	0.4710
CRRMH	Fall	S	SWTEMP	0.00	0.2303	0.05	13.10	9.61	No Trend	0.4959
CRRMH	Fall	B	BWTEMP	0.00	0.1517	0.05	13.10	8.78	No Trend	0.4222
PIAMH	Fall	S	SCHLA	9.38	0.1358	0.08	5.60	32.31	No Trend	0.6787
PIAMH	Fall	S	STSS	28.13	0.0205	-0.19	5.25	No Estimate	No Trend	0.5869
PIAMH	Fall	B	BTSS	15.63	0.0630	-0.19	7.25	No Estimate	No Trend	0.5777
PIAMH	Fall	S	SECCHI	0.00	0.0001	-0.04	2.40	-37.27	Degrading	0.9119
PIAMH	Fall	B	BDO	0.00	0.0002	0.07	8.35	17.92	Improving	0.8909
PIAMH	Fall	S	SSALINITY	0.00	0.0589	-0.10	19.52	-12.13	No Trend	0.6764
PIAMH	Fall	B	BSALINITY	0.00	0.0415	-0.09	20.10	-10.54	No Trend	0.8506
PIAMH	Fall	S	SWTEMP	0.00	0.7154	0.02	14.90	2.96	No Trend	0.7684
PIAMH	Fall	B	BWTEMP	0.00	0.7402	0.01	14.50	2.14	No Trend	0.6643
POCMH	Fall	S	SCHLA	1.63	0.0186	0.14	4.91	67.54	No Trend	0.8813
POCMH	Fall	S	STSS	1.60	0.0178	-0.33	10.00	-75.14	No Trend	0.5898
POCMH	Fall	B	BTSS	1.60	0.0194	-0.39	13.75	-64.79	No Trend	0.8275
POCMH	Fall	S	SECCHI	0.00	0.0027	-0.02	1.25	-30.67	Degrading	0.9036
POCMH	Fall	B	BDO	0.00	0.1158	0.02	9.20	5.56	No Trend	0.6525
POCMH	Fall	S	SSALINITY	0.00	0.0275	-0.11	21.40	-12.25	No Trend	0.5024
POCMH	Fall	B	BSALINITY	0.00	0.0076	-0.11	21.52	-11.73	Decreasing	0.7813
POCMH	Fall	S	SWTEMP	0.00	0.7781	-0.01	13.65	-1.34	No Trend	0.9092
POCMH	Fall	B	BWTEMP	0.00	0.6665	-0.02	13.65	-3.98	No Trend	0.8705
CB6PH	Fall	S	SCHLA	1.45	0.5965	0.02	6.27	9.17	No Trend	0.8357
CB6PH	Fall	S	STSS	8.94	0.0116	-0.22	5.60	-90.87	No Trend	0.5657
CB6PH	Fall	B	BTSS	1.19	0.0036	-0.43	12.14	-81.40	Improving	0.5993
CB6PH	Fall	S	SECCHI	0.00	0.1300	-0.02	2.15	-17.83	No Trend	0.8802
CB6PH	Fall	B	BDO	0.00	0.0096	0.03	7.73	9.89	Improving	0.8370
CB6PH	Fall	S	SSALINITY	0.00	0.1088	-0.06	21.61	-6.46	No Trend	0.8765
CB6PH	Fall	B	BSALINITY	0.00	0.0384	-0.09	24.22	-8.07	No Trend	0.9256
CB6PH	Fall	S	SWTEMP	0.00	0.8152	0.01	14.83	1.00	No Trend	0.9748
CB6PH	Fall	B	BWTEMP	0.00	0.9503	0.00	15.20	0.55	No Trend	0.8899
CB7PH	Fall	S	SCHLA	1.00	0.2426	0.04	5.25	18.56	No Trend	0.7625
CB7PH	Fall	S	STSS	9.29	0.0145	-0.23	5.09	-103.98	No Trend	0.7129
CB7PH	Fall	B	BTSS	2.34	0.0249	-0.21	14.48	-33.77	No Trend	0.9812
CB7PH	Fall	S	SECCHI	0.00	0.0794	-0.01	2.40	-13.69	No Trend	0.9856
CB7PH	Fall	B	BDO	0.00	0.0475	0.02	7.90	6.41	No Trend	0.7419
CB7PH	Fall	S	SSALINITY	0.00	0.4181	-0.04	23.19	-4.17	No Trend	0.9808
CB7PH	Fall	B	BSALINITY	0.00	0.1706	-0.06	25.56	-5.76	No Trend	0.6344
CB7PH	Fall	S	SWTEMP	0.00	0.2185	0.03	14.55	5.23	No Trend	0.7484
CB7PH	Fall	B	BWTEMP	0.00	0.3915	0.03	14.70	4.93	No Trend	0.6342
CB8PH	Fall	S	SCHLA	1.63	0.1717	0.07	3.21	52.10	No Trend	0.0958
CB8PH	Fall	S	STSS	5.39	0.4745	0.04	5.63	14.62	No Trend	0.9371
CB8PH	Fall	B	BTSS	0.00	0.0474	-0.26	14.28	-41.10	No Trend	0.9626
CB8PH	Fall	S	SECCHI	0.00	0.1122	-0.01	2.00	-16.43	No Trend	0.7737
CB8PH	Fall	B	BDO	0.00	0.0484	0.02	7.70	7.29	No Trend	0.7546
CB8PH	Fall	S	SSALINITY	0.00	0.0834	-0.08	25.73	-7.40	No Trend	0.3631
CB8PH	Fall	B	BSALINITY	0.00	0.0261	-0.08	30.38	-5.71	No Trend	0.4569
CB8PH	Fall	S	SWTEMP	0.00	0.2212	0.04	14.43	6.89	No Trend	0.3210
CB8PH	Fall	B	BWTEMP	0.00	0.1016	0.06	14.80	8.84	No Trend	0.6087

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
APPTF	Winter	S	SCHLA	59.46	0.1048	0.00	3.10	No Estimate	High BDLs	0.7943
APPTF	Winter	S	STSS	0.00	0.1559	-0.31	13.00	-44.97	No Trend	0.3370
APPTF	Winter	B	BTSS	0.00	0.2186	-0.40	19.00	-40.00	No Trend	0.2527
APPTF	Winter	S	SECCHI	0.00	0.1886	0.00	0.55	0.00	No Trend	0.1992
APPTF	Winter	B	BDO	0.00	0.1302	0.04	12.20	6.91	No Trend	0.8970
APPTF	Winter	S	SSALINITY	0.00	0.2323	0.00	0.01	0.00	No Trend	
APPTF	Winter	B	BSALINITY	0.00	0.1469	0.00	0.01	0.00	No Trend	0.7102
APPTF	Winter	S	SWTEMP	0.00	0.2416	0.05	2.75	41.82	No Trend	0.6817
APPTF	Winter	B	BWTEMP	0.00	0.3169	0.05	2.75	41.82	No Trend	0.5526
JMSTF1	Winter	S	SCHLA	57.55	0.1171	0.00	3.10	No Estimate	High BDLs	0.1302
JMSTF1	Winter	S	STSS	1.02	0.8975	0.00	17.50	0.00	No Trend	0.8605
JMSTF1	Winter	B	BTSS	1.02	0.8774	-0.14	47.50	-5.50	No Trend	0.9638
JMSTF1	Winter	S	SECCHI	0.00	0.5989	0.00	0.45	0.00	No Trend	0.2479
JMSTF1	Winter	B	BDO	0.00	0.0112	0.06	11.55	11.62	No Trend	0.3754
JMSTF1	Winter	S	SSALINITY	0.00	0.3850	0.00	0.01	0.00	No Trend	0.3448
JMSTF1	Winter	B	BSALINITY	0.00	0.3850	0.00	0.01	0.00	No Trend	0.3448
JMSTF1	Winter	S	SWTEMP	0.00	0.9321	-0.01	3.63	-3.46	No Trend	0.3002
JMSTF1	Winter	B	BWTEMP	0.00	0.8314	-0.01	3.63	-9.23	No Trend	0.3166
JMSTF2	Winter	S	SCHLA	72.16	0.4263	0.00	3.10	No Estimate	High BDLs	0.5488
JMSTF2	Winter	S	STSS	31.91	0.8141	0.00	5.00	No Estimate	No Trend	0.3922
JMSTF2	Winter	B	BTSS	21.67	0.5987	-0.08	29.25	No Estimate	No Trend	0.2187
JMSTF2	Winter	S	SECCHI	0.00	0.8561	0.00	0.60	-7.99	No Trend	0.9779
JMSTF2	Winter	B	BDO	0.00	1.0000	0.00	12.40	0.00	No Trend	0.1902
JMSTF2	Winter	S	SSALINITY	0.00	0.3094	0.00	0.01	0.00	No Trend	
JMSTF2	Winter	B	BSALINITY	0.00	0.2559	0.00	0.01	0.00	No Trend	
JMSTF2	Winter	S	SWTEMP	0.00	0.7016	0.02	3.13	17.48	No Trend	0.4307
JMSTF2	Winter	B	BWTEMP	0.00	0.4831	0.03	3.25	24.57	No Trend	0.3942
CHKOH	Winter	S	SCHLA	27.27	0.5004	-0.03	14.98	No Estimate	No Trend	0.3917
CHKOH	Winter	S	STSS	0.00	0.5199	-0.24	16.00	-28.81	No Trend	0.7955
CHKOH	Winter	B	BTSS	0.00	0.3798	-0.36	24.50	-27.70	No Trend	0.5574
CHKOH	Winter	S	SECCHI	0.00	0.2432	0.00	0.60	0.00	No Trend	0.3533
CHKOH	Winter	B	BDO	0.00	0.0101	0.07	11.45	12.24	No Trend	0.5700
CHKOH	Winter	S	SSALINITY	0.00	0.7839	0.00	0.26	0.00	No Trend	0.8904
CHKOH	Winter	B	BSALINITY	0.00	0.7839	0.00	0.26	0.00	No Trend	0.8904
CHKOH	Winter	S	SWTEMP	0.00	0.1995	-0.05	6.50	-15.94	No Trend	0.6965
CHKOH	Winter	B	BWTEMP	0.00	0.1806	-0.05	6.40	-16.19	No Trend	0.6955
JMSOH	Winter	S	SCHLA	46.27	0.6427	0.00	3.80	No Estimate	High BDLs	0.1721
JMSOH	Winter	S	STSS	1.64	0.3288	-0.64	68.00	-17.78	No Trend	0.7056
JMSOH	Winter	B	BTSS	0.00	0.7170	-0.36	143.00	-4.75	No Trend	0.6455
JMSOH	Winter	S	SECCHI	0.00	0.5315	0.00	0.40	0.00	No Trend	0.5905
JMSOH	Winter	B	BDO	0.00	0.9453	0.00	11.80	-0.24	No Trend	0.9408
JMSOH	Winter	S	SSALINITY	0.00	0.2715	0.03	1.63	39.08	No Trend	0.1997
JMSOH	Winter	B	BSALINITY	0.00	0.3595	0.04	4.31	23.22	No Trend	0.3213
JMSOH	Winter	S	SWTEMP	0.00	0.2528	0.07	3.35	48.46	No Trend	0.8478
JMSOH	Winter	B	BWTEMP	0.00	0.2437	0.06	3.25	45.53	No Trend	0.9495
JMSMH	Winter	S	SCHLA	18.84	0.9242	-0.03	28.37	No Estimate	No Trend	0.2957
JMSMH	Winter	S	STSS	4.62	0.7050	0.05	9.00	12.78	No Trend	0.0831
JMSMH	Winter	B	BTSS	1.64	0.1462	0.58	11.00	100.76	No Trend	0.3683
JMSMH	Winter	S	SECCHI	0.00	0.6617	0.00	1.03	0.00	No Trend	0.3344
JMSMH	Winter	B	BDO	0.00	0.5219	-0.01	12.28	-2.68	No Trend	0.7458
JMSMH	Winter	S	SSALINITY	0.00	0.6033	0.08	14.09	12.81	No Trend	0.2632
JMSMH	Winter	B	BSALINITY	0.00	0.6310	-0.04	19.12	-4.60	No Trend	0.1312
JMSMH	Winter	S	SWTEMP	0.00	0.3822	0.05	2.10	54.76	No Trend	0.6503
JMSMH	Winter	B	BWTEMP	0.00	0.3847	0.06	2.30	57.00	No Trend	0.7963

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
JMSPH	Winter	S	SCHLA	5.33	0.5501	-0.09	22.53	-9.66	No Trend	0.0400
JMSPH	Winter	S	STSS	2.86	0.7937	0.03	8.65	8.86	No Trend	0.5752
JMSPH	Winter	B	BTSS	2.82	0.6272	-0.09	13.65	-15.11	No Trend	0.5752
JMSPH	Winter	S	SECCHI	0.00	0.0688	-0.02	1.38	-30.32	No Trend	0.7219
JMSPH	Winter	B	BDO	0.00	0.1612	0.04	11.55	8.53	No Trend	0.7504
JMSPH	Winter	S	SSALINITY	0.00	0.4112	-0.05	20.05	-5.73	No Trend	0.8519
JMSPH	Winter	B	BSALINITY	0.00	0.0005	-0.23	24.30	-22.21	Decreasing	0.6410
JMSPH	Winter	S	SWTEMP	0.00	0.0617	0.07	2.45	69.89	No Trend	0.5752
JMSPH	Winter	B	BWTEMP	0.00	0.0261	0.09	2.83	73.08	No Trend	0.6662
PMKTF	Winter	S	SCHLA	83.78	0.0373	0.00	3.10	No Estimate	High BDLs	0.2463
PMKTF	Winter	S	STSS	0.00	0.3751	0.25	19.50	24.36	No Trend	0.6092
PMKTF	Winter	B	BTSS	0.00	0.8448	0.00	25.00	0.00	No Trend	0.4539
PMKTF	Winter	S	SECCHI	0.00	0.4129	0.00	0.55	0.00	No Trend	0.6397
PMKTF	Winter	B	BDO	0.00	0.6689	0.02	12.05	3.04	No Trend	0.6377
PMKTF	Winter	S	SSALINITY	0.00	0.2374	0.00	0.01	0.00	No Trend	0.9343
PMKTF	Winter	B	BSALINITY	0.00	0.2559	0.00	0.01	0.00	No Trend	0.9744
PMKTF	Winter	S	SWTEMP	0.00	0.5093	0.05	3.00	38.33	No Trend	0.3961
PMKTF	Winter	B	BWTEMP	0.00	0.4676	0.05	3.00	39.77	No Trend	0.4171
PMKOH	Winter	S	SCHLA	61.11	0.2099	0.00	3.10	No Estimate	High BDLs	0.9440
PMKOH	Winter	S	STSS	0.00	0.6167	-0.43	86.00	-11.46	No Trend	0.8819
PMKOH	Winter	B	BTSS	3.23	0.8246	0.42	72.00	11.00	No Trend	0.9071
PMKOH	Winter	S	SECCHI	0.00	0.0918	0.01	0.30	46.51	No Trend	0.5651
PMKOH	Winter	B	BDO	0.00	0.8903	0.00	12.05	-0.21	No Trend	0.9634
PMKOH	Winter	S	SSALINITY	0.00	0.1054	0.14	0.70	445.63	No Trend	0.2380
PMKOH	Winter	B	BSALINITY	0.00	0.0741	0.16	0.98	375.51	No Trend	0.3372
PMKOH	Winter	S	SWTEMP	0.00	1.0000	0.00	2.30	0.00	No Trend	0.6795
PMKOH	Winter	B	BWTEMP	0.00	0.8905	0.01	2.35	6.93	No Trend	0.7830
MPNTF	Winter	S	SCHLA	92.11	0.5275	0.00	3.10	No Estimate	High BDLs	
MPNTF	Winter	S	STSS	9.09	0.3398	0.19	11.00	32.98	No Trend	0.6323
MPNTF	Winter	B	BTSS	12.50	0.1642	0.27	8.00	64.77	No Trend	0.9947
MPNTF	Winter	S	SECCHI	0.00	0.0204	-0.02	0.75	-51.11	No Trend	0.9985
MPNTF	Winter	B	BDO	0.00	0.5240	0.02	12.60	4.36	No Trend	0.5902
MPNTF	Winter	S	SSALINITY	0.00	0.5812	0.00	0.01	0.00	No Trend	
MPNTF	Winter	B	BSALINITY	0.00	0.5812	0.00	0.01	0.00	No Trend	
MPNTF	Winter	S	SWTEMP	0.00	0.7415	0.03	2.50	23.92	No Trend	0.6123
MPNTF	Winter	B	BWTEMP	0.00	0.9126	0.01	2.50	4.60	No Trend	0.5683
MPNOH	Winter	S	SCHLA	68.42	0.4833	0.00	3.10	No Estimate	High BDLs	0.4590
MPNOH	Winter	S	STSS	0.00	0.0054	-1.14	60.00	-43.63	Improving	0.9332
MPNOH	Winter	B	BTSS	0.00	0.4348	0.72	30.50	44.99	No Trend	0.6312
MPNOH	Winter	S	SECCHI	0.00	0.1131	0.00	0.30	0.00	No Trend	0.1502
MPNOH	Winter	B	BDO	0.00	0.9671	0.00	12.35	0.00	No Trend	0.3862
MPNOH	Winter	S	SSALINITY	0.00	0.5173	0.00	0.32	0.00	No Trend	0.3388
MPNOH	Winter	B	BSALINITY	0.00	0.5471	0.01	0.31	49.46	No Trend	0.4096
MPNOH	Winter	S	SWTEMP	0.00	0.4096	0.05	2.10	54.76	No Trend	0.4650
MPNOH	Winter	B	BWTEMP	0.00	0.2747	0.05	2.00	62.81	No Trend	0.4981
YRKMH	Winter	S	SCHLA	24.36	0.6087	0.05	10.29	No Estimate	No Trend	0.0441
YRKMH	Winter	S	STSS	0.00	0.6295	-0.18	18.25	-18.44	No Trend	0.3084
YRKMH	Winter	B	BTSS	1.47	0.0198	2.85	29.38	184.49	No Trend	0.3211
YRKMH	Winter	S	SECCHI	0.00	0.5744	0.00	0.68	0.00	No Trend	0.1670
YRKMH	Winter	B	BDO	0.00	0.9659	0.00	12.03	0.00	No Trend	0.2851
YRKMH	Winter	S	SSALINITY	0.00	0.4523	0.09	8.71	22.83	No Trend	0.6454
YRKMH	Winter	B	BSALINITY	0.00	0.4390	0.09	11.18	18.63	No Trend	0.4030
YRKMH	Winter	S	SWTEMP	0.00	0.8981	-0.01	2.18	-7.97	No Trend	0.7007
YRKMH	Winter	B	BWTEMP	0.00	0.8309	0.02	2.40	17.49	No Trend	0.5218

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
YRKPH	Winter	S	SCHLA	11.84	0.1921	-0.21	17.70	-25.99	No Trend	0.2968
YRKPH	Winter	S	STSS	23.29	0.6217	0.04	8.50	No Estimate	No Trend	0.5344
YRKPH	Winter	B	BTSS	4.48	0.0319	1.04	11.75	167.92	No Trend	0.7073
YRKPH	Winter	S	SECCHI	0.00	0.8808	0.00	1.13	0.00	No Trend	0.7157
YRKPH	Winter	B	BDO	0.00	0.1716	-0.04	12.15	-7.83	No Trend	0.8980
YRKPH	Winter	S	SSALINITY	0.00	0.8251	-0.04	18.18	-4.81	No Trend	0.9583
YRKPH	Winter	B	BSALINITY	0.00	0.4790	0.05	20.99	5.23	No Trend	0.1271
YRKPH	Winter	S	SWTEMP	0.00	0.8309	-0.01	2.48	-6.31	No Trend	0.5218
YRKPH	Winter	B	BWTEMP	0.00	0.6382	0.03	3.33	18.01	No Trend	0.3690
MOBPH	Winter	S	SCHLA	0.00	0.5779	-0.06	7.66	-17.13	No Trend	0.4837
MOBPH	Winter	S	STSS	4.35	0.0274	-0.28	13.30	-47.84	No Trend	0.5265
MOBPH	Winter	B	BTSS	1.86	0.0023	-0.61	22.53	-61.88	Improving	0.4194
MOBPH	Winter	S	SECCHI	0.00	0.6203	-0.01	1.48	-10.63	No Trend	0.9476
MOBPH	Winter	B	BDO	0.00	0.2401	0.04	11.95	7.70	No Trend	0.7560
MOBPH	Winter	S	SSALINITY	0.00	0.2418	-0.08	20.40	-8.97	No Trend	0.5042
MOBPH	Winter	B	BSALINITY	0.00	0.1308	-0.11	20.82	-11.97	No Trend	0.2467
MOBPH	Winter	S	SWTEMP	0.00	0.1804	0.07	3.30	47.05	No Trend	0.5252
MOBPH	Winter	B	BWTEMP	0.00	0.1737	0.07	3.05	53.42	No Trend	0.6833
RPPTF	Winter	S	SCHLA	65.79	0.9020	0.00	3.10	No Estimate	High BDLs	0.9767
RPPTF	Winter	S	STSS	5.33	0.6916	0.15	25.50	11.53	No Trend	0.2540
RPPTF	Winter	B	BTSS	8.00	0.9408	0.10	46.50	3.90	No Trend	0.1897
RPPTF	Winter	S	SECCHI	0.00	0.1672	-0.01	0.45	-29.63	No Trend	0.3468
RPPTF	Winter	B	BDO	0.00	0.2156	0.03	12.70	5.82	No Trend	0.7415
RPPTF	Winter	S	SSALINITY	0.00	0.0048	0.00	0.01	0.00	Unchanged	0.7013
RPPTF	Winter	B	BSALINITY	0.00	0.0060	0.00	0.01	0.00	Unchanged	0.7468
RPPTF	Winter	S	SWTEMP	0.00	0.1399	0.09	2.00	103.71	No Trend	0.1019
RPPTF	Winter	B	BWTEMP	0.00	0.3025	0.06	3.00	42.42	No Trend	0.2332
RPPOH	Winter	S	SCHLA	66.67	1.0000	0.00	3.10	No Estimate	High BDLs	0.2196
RPPOH	Winter	S	STSS	0.00	0.8934	0.14	42.00	6.25	No Trend	0.6486
RPPOH	Winter	B	BTSS	0.00	0.7276	0.39	43.00	17.12	No Trend	0.6877
RPPOH	Winter	S	SECCHI	0.00	0.4229	0.00	0.35	0.00	No Trend	0.5754
RPPOH	Winter	B	BDO	0.00	0.2324	-0.02	12.85	-3.97	No Trend	0.4084
RPPOH	Winter	S	SSALINITY	0.00	0.5446	0.00	0.50	0.00	No Trend	0.7344
RPPOH	Winter	B	BSALINITY	0.00	0.8093	0.00	0.41	0.00	No Trend	0.5601
RPPOH	Winter	S	SWTEMP	0.00	0.0484	0.11	2.90	88.37	No Trend	0.9268
RPPOH	Winter	B	BWTEMP	0.00	0.0933	0.12	2.95	93.44	No Trend	0.9072
RPPMH	Winter	S	SCHLA	20.64	0.5880	-0.03	9.42	No Estimate	No Trend	0.1975
RPPMH	Winter	S	STSS	21.86	0.3495	0.10	7.75	No Estimate	No Trend	0.7645
RPPMH	Winter	B	BTSS	7.61	0.6401	0.13	16.50	18.17	No Trend	0.3795
RPPMH	Winter	S	SECCHI	0.00	0.0396	-0.03	1.50	-41.94	No Trend	0.9703
RPPMH	Winter	B	BDO	0.00	0.9851	0.00	12.30	0.00	No Trend	0.2391
RPPMH	Winter	S	SSALINITY	0.00	0.0160	-0.25	14.58	-39.97	No Trend	0.7790
RPPMH	Winter	B	BSALINITY	0.00	0.0238	-0.22	17.27	-28.78	No Trend	0.8957
RPPMH	Winter	S	SWTEMP	0.00	0.0857	0.08	3.23	59.53	No Trend	0.5012
RPPMH	Winter	B	BWTEMP	0.00	0.0892	0.08	2.68	68.89	No Trend	0.4221
CRRMH	Winter	S	SCHLA	19.44	0.6187	0.01	4.45	No Estimate	No Trend	0.5522
CRRMH	Winter	S	STSS	63.16	0.2434	0.00	5.00	No Estimate	High BDLs	0.7429
CRRMH	Winter	B	BTSS	46.67	0.3168	0.00	5.00	No Estimate	High BDLs	0.8188
CRRMH	Winter	S	SECCHI	0.00	0.3513	-0.02	2.75	-13.94	No Trend	0.9913
CRRMH	Winter	B	BDO	0.00	0.5662	-0.02	12.75	-4.40	No Trend	0.6963
CRRMH	Winter	S	SSALINITY	0.00	0.1988	-0.13	15.81	-19.40	No Trend	0.8477
CRRMH	Winter	B	BSALINITY	0.00	0.2159	-0.13	16.50	-18.19	No Trend	0.9624
CRRMH	Winter	S	SWTEMP	0.00	0.2802	0.06	3.80	35.41	No Trend	0.2807
CRRMH	Winter	B	BWTEMP	0.00	0.1755	0.06	3.55	35.67	No Trend	0.2801

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
PIAMH	Winter	S	SCHLA	20.00	0.6801	-0.05	6.98	No Estimate	No Trend	0.7517
PIAMH	Winter	S	STSS	25.00	0.0513	-0.14	13.35	No Estimate	No Trend	0.1427
PIAMH	Winter	B	BTSS	17.50	0.0053	-0.23	13.50	No Estimate	Improving	0.7961
PIAMH	Winter	S	SECCHI	0.00	0.2741	-0.02	1.80	-21.30	No Trend	0.5866
PIAMH	Winter	B	BDO	0.00	0.0197	0.05	11.50	10.36	No Trend	0.6617
PIAMH	Winter	S	SSALINITY	0.00	0.2418	-0.11	16.49	-14.88	No Trend	0.9462
PIAMH	Winter	B	BSALINITY	0.00	0.3382	-0.09	17.56	-11.68	No Trend	0.8951
PIAMH	Winter	S	SWTEMP	0.00	0.0870	0.09	2.10	93.10	No Trend	0.2322
PIAMH	Winter	B	BWTEMP	0.00	0.1220	0.08	2.40	73.79	No Trend	0.2514
POCMH	Winter	S	SCHLA	1.82	0.5371	-0.05	11.79	-10.36	No Trend	0.4747
POCMH	Winter	S	STSS	0.00	0.4506	-0.23	24.00	-21.86	No Trend	0.0633
POCMH	Winter	B	BTSS	0.00	0.2627	-0.44	29.00	-35.18	No Trend	0.1710
POCMH	Winter	S	SECCHI	0.00	0.8544	0.00	0.70	0.00	No Trend	0.4674
POCMH	Winter	B	BDO	0.00	0.1921	0.03	11.90	5.07	No Trend	0.0763
POCMH	Winter	S	SSALINITY	0.00	0.4506	-0.07	17.76	-9.64	No Trend	0.9894
POCMH	Winter	B	BSALINITY	0.00	0.4506	-0.04	17.84	-4.77	No Trend	0.7222
POCMH	Winter	S	SWTEMP	0.00	0.0906	0.10	1.50	157.93	No Trend	0.4685
POCMH	Winter	B	BWTEMP	0.00	0.1434	0.07	1.50	107.33	No Trend	0.3725
CB6PH	Winter	S	SCHLA	0.34	0.1628	-0.15	9.72	-35.01	No Trend	0.5766
CB6PH	Winter	S	STSS	6.25	0.0023	-0.30	13.56	-51.04	Improving	0.7644
CB6PH	Winter	B	BTSS	0.64	0.0283	-0.30	19.56	-35.70	No Trend	0.6901
CB6PH	Winter	S	SECCHI	0.00	0.8729	0.00	1.48	0.00	No Trend	0.6602
CB6PH	Winter	B	BDO	0.00	0.4851	0.02	11.50	3.54	No Trend	0.4368
CB6PH	Winter	S	SSALINITY	0.00	0.1199	-0.12	19.09	-14.54	No Trend	0.7497
CB6PH	Winter	B	BSALINITY	0.00	0.0207	-0.11	22.71	-10.69	No Trend	0.6609
CB6PH	Winter	S	SWTEMP	0.00	0.1400	0.07	2.88	52.67	No Trend	0.4726
CB6PH	Winter	B	BWTEMP	0.00	0.1347	0.06	3.10	47.17	No Trend	0.3693
CB7PH	Winter	S	SCHLA	0.00	0.1021	-0.18	8.78	-45.94	No Trend	0.8109
CB7PH	Winter	S	STSS	4.97	0.0034	-0.18	9.10	-45.35	Improving	0.9836
CB7PH	Winter	B	BTSS	0.29	0.0419	-0.41	24.65	-38.47	No Trend	0.4245
CB7PH	Winter	S	SECCHI	0.00	0.8570	0.00	1.65	0.00	No Trend	0.6167
CB7PH	Winter	B	BDO	0.00	0.2901	0.03	11.28	5.82	No Trend	0.1943
CB7PH	Winter	S	SSALINITY	0.00	0.1107	-0.14	19.67	-16.03	No Trend	0.8420
CB7PH	Winter	B	BSALINITY	0.00	0.9048	-0.01	21.92	-1.19	No Trend	0.0666
CB7PH	Winter	S	SWTEMP	0.00	0.0860	0.08	2.53	71.50	No Trend	0.3592
CB7PH	Winter	B	BWTEMP	0.00	0.1018	0.08	3.05	62.06	No Trend	0.4023
CB8PH	Winter	S	SCHLA	1.26	0.2816	-0.12	7.70	-37.00	No Trend	0.5766
CB8PH	Winter	S	STSS	3.23	0.0289	-0.20	8.45	-54.44	No Trend	0.9399
CB8PH	Winter	B	BTSS	1.63	0.1172	-0.40	12.20	-74.57	No Trend	0.9898
CB8PH	Winter	S	SECCHI	0.00	0.8564	0.00	2.00	0.00	No Trend	0.4567
CB8PH	Winter	B	BDO	0.00	0.7258	0.01	11.35	2.25	No Trend	0.5411
CB8PH	Winter	S	SSALINITY	0.00	0.0380	-0.20	25.85	-17.55	No Trend	0.9054
CB8PH	Winter	B	BSALINITY	0.00	0.1150	-0.05	29.64	-3.65	No Trend	0.2724
CB8PH	Winter	S	SWTEMP	0.00	0.2473	0.06	3.05	45.25	No Trend	0.2814
CB8PH	Winter	B	BWTEMP	0.00	0.0399	0.10	3.65	62.41	No Trend	0.5106