Appendix B - Section I. Blocked seasonal Kendall Long-term trends in water quality for the Virginia tributaries (1985-2006). 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 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
APPTF	Annual	STN	0.0114	-0.0238	No Trend	0.8002	0.0014	No Trend	0.0869	Same	0.1928	No Trend
APPTF	Annual	BTN	0.1008	-0.0175	No Trend	0.6461	-0.0029	No Trend	0.5498	Same	0.1784	No Trend
APPTF	Annual	SDIN	0.2946	-0.0050	No Trend	0.5258	-0.0037	No Trend	0.9282	Same	0.2564	No Trend
APPTF	Annual	BDIN	0.1003	-0.0067	No Trend	0.3943	-0.0032	No Trend	0.8142	Same	0.0999	No Trend
APPTF	Annual	STP	0.7501	<0.0001	No Trend	0.3063	-0.0005	No Trend	0.2973	Same	0.5177	No Trend
APPTF	Annual	BTP	0.0346	0.0025	No Trend	0.4171	-0.0007	No Trend	0.0599	Same	0.5873	No Trend
APPTF	Annual	SPO4F	0.0005	-0.0013	Improving	0.0134	-0.0004	No Trend	0.8161	Same	0.0001	Improving
APPTF	Annual	BPO4F	0.0001	-0.0017	Improving	0.0082	-0.0005	Improving	0.9142	Same	<0.0001	Improving
JMSTF2	Annual	STN	0.0001	-0.0438	Improving	0.0028	0.0134	Degrading	<0.0001	Different	0.8715	-
JMSTF2	Annual	BTN	<0.0001	-0.1100	Improving	0.0012	0.0175	Degrading	<0.0001	Different	0.2531	-
JMSTF2	Annual	SDIN	0.0003	-0.0200	Improving	0.0621	0.0065	No Trend	0.0004	Different	0.6523	-
JMSTF2	Annual	BDIN	<0.0001	-0.0550	Improving	0.0225	0.0088	No Trend	<0.0001	Different	0.2397	-
JMSTF2	Annual	STP	<0.0001	-0.0125	Improving	0.7858	-0.0002	No Trend	0.0041	Different	0.0009	-
JMSTF2	Annual	BTP	<0.0001	-0.0188	Improving	0.6514	0.0004	No Trend	0.0001	Different	0.0016	-
JMSTF2	Annual	SPO4F	<0.0001	-0.0110	Improving	0.0003	-0.0013	Improving	0.7843	Same	<0.0001	Improving
JMSTF2	Annual	BPO4F	<0.0001	-0.0150	Improving	0.0001	-0.0013	Improving	0.9722	Same	<0.0001	Improving
JMSTF1	Annual	STN	0.0808	-0.0225	No Trend	0.0007	-0.0163	Improving	0.0759	Same	0.0001	Improving
JMSTF1	Annual	BTN	0.1387	-0.0292	No Trend	<0.0001	-0.0300	Improving	0.0043	Different	<0.0001	-
JMSTF1	Annual	SDIN	0.0022	-0.0258	Improving	0.6780	-0.0020	No Trend	0.1722	Same	0.0397	No Trend
JMSTF1	Annual	BDIN	0.0003	-0.0283	Improving	0.8312	-0.0011	No Trend	0.0646	Same	0.0276	No Trend
JMSTF1	Annual	STP	0.1733	0.0013	No Trend	0.0025	-0.0022	Improving	0.0010	Different	0.0784	-
JMSTF1	Annual	BTP	0.0008	0.0050	Degrading	0.0001	-0.0053	Improving	<0.0001	Different	0.2058	-
JMSTF1	Annual	SPO4F	<0.0001	-0.0025	Improving	0.0487	-0.0004	No Trend	0.5000	Same	0.0001	Improving
JMSTF1	Annual	BPO4F	<0.0001	-0.0017	Improving	0.0144	-0.0005	No Trend	0.7898	Same	<0.0001	Improving
CHKOH	Annual	STN	0.0290	-0.0367	No Trend	0.2696	-0.0036	No Trend	0.8339	Same	0.0649	No Trend
CHKOH	Annual	BTN	0.2880	-0.0283	No Trend	0.0501	-0.0124	No Trend	0.1506	Same	0.0258	No Trend
CHKOH	Annual	SDIN	0.0576	<0.0001	No Trend	0.0675	0.0015	No Trend	0.0179	Same	0.2754	No Trend
CHKOH	Annual	BDIN	0.0381	-0.0090	No Trend	0.3276	0.0010	No Trend	0.1068	Same	0.8089	No Trend
CHKOH	Annual	STP	0.0311	0.0025	No Trend	0.0236	-0.0013	No Trend	0.0039	Different	0.1706	-
CHKOH	Annual	BTP	0.0315	0.0050	No Trend	0.0067	-0.0029	Improving	0.0009	Different	0.0758	-
CHKOH	Annual	SPO4F	0.1546	<0.0001	No Trend	0.1614	-0.0002	No Trend	0.3119	Same	0.0867	No Trend
CHKOH	Annual	BPO4F	0.0335	<0.0001	No Trend	0.0892	-0.0002	No Trend	0.2825	Same	0.0271	No Trend
JMSOH	Annual	STN	0.0943	-0.0119	No Trend	0.4469	0.0024	No Trend	0.1141	Same	0.7520	No Trend
JMSOH	Annual	BTN	0.1169	0.0195	No Trend	0.2667	-0.0080	No Trend	0.0700	Same	0.9717	No Trend
JMSOH	Annual	SDIN	0.0001	-0.0200	Improving	0.1283	0.0046	No Trend	0.0006	Different	0.3704	-
JMSOH	Annual	BDIN	0.0001	-0.0200	Improving	0.5499	0.0012	No Trend	0.0062	Different	0.0816	-
JMSOH	Annual	STP	<0.0001	0.0050	Degrading	0.9835	<0.0001	No Trend	0.0212	Same	0.0232	No Trend
JMSOH	Annual	BTP	<0.0001	0.0117	Degrading	0.0663	-0.0024	No Trend	<0.0001	Different	0.1485	-
JMSOH	Annual	SPO4F	0.1452	<0.0001	No Trend	0.8542	<0.0001	No Trend	0.3479	Same	0.5315	No Trend
JMSOH	Annual	BPO4F	0.4470	<0.0001	No Trend	0.9671	<0.0001	No Trend	0.7003	Same	0.6492	No Trend
JMSMH	Annual	STN	0.0808	0.0125	No Trend	0.1632	0.0035	No Trend	0.8013	Same	0.0339	No Trend
JMSMH	Annual	BTN	0.0033	0.0188	Degrading	0.4810	0.0033	No Trend	0.3592	Same	0.0334	No Trend
JMSMH	Annual	SDIN	0.5830	-0.0017	No Trend	0.1127	0.0037	No Trend	0.0985	Same	0.3039	No Trend
JMSMH	Annual	BDIN	0.6912	<0.0001	No Trend	0.3175	0.0024	No Trend	0.2802	Same	0.5267	No Trend
JMSMH	Annual	STP	<0.0001	0.0036	Degrading	0.5085	-0.0002	No Trend	0.0019	Different	0.0469	-
JMSMH	Annual	BTP	<0.0001	0.0033	Degrading	0.7861	-0.0001	No Trend	0.0081	Different	0.0283	-
JMSMH	Annual	SPO4F	0.0020	0.0013	Degrading	0.3919	0.0002	No Trend	0.3824	Same	0.0192	No Trend
JMSMH	Annual	BPO4F	0.0009	0.0006	Degrading	0.4091	0.0001	No Trend	0.3192	Same	0.0156	No Trend

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
JMSPH	Annual	STN	0.7406	0.0014	No Trend	0.2675	0.0023	No Trend	0.4667	Same	0.2607	No Trend
JMSPH	Annual	BTN	0.2523	0.0070	No Trend	0.0721	0.0036	No Trend	0.3957	Same	0.0317	No Trend
JMSPH	Annual	SDIN	0.5421	<0.0001	No Trend	0.0205	0.0025	No Trend	0.0219	Same	0.1109	No Trend
JMSPH	Annual	BDIN	0.6873	<0.0001	No Trend	0.0500	0.0016	No Trend	0.1562	Same	0.0594	No Trend
JMSPH	Annual	STP	0.5062	0.0002	No Trend	0.7665	<0.0001	No Trend	0.5291	Same	0.8946	No Trend
JMSPH	Annual	BTP	0.4686	0.0005	No Trend	0.0106	-0.0007	No Trend	0.0108	Same	0.0851	No Trend
JMSPH	Annual	SPO4F	0.2896	<0.0001	No Trend	0.9841	<0.0001	No Trend	0.5687	Same	0.5462	No Trend
JMSPH	Annual	BPO4F	0.6633	<0.0001	No Trend	0.2034	-0.0001	No Trend	0.4119	Same	0.1858	No Trend
ELIPH	Annual	STN	1.0000	<0.0001	No Trend	1.0000	<0.0001	No Trend	1.0000	Same	0.9797	No Trend
ELIPH	Annual	BTN	1.0000	<0.0001	No Trend	1.0000	<0.0001	No Trend	1.0000	Same	1.0000	No Trend
ELIPH	Annual	STP	0.8184	<0.0001	No Trend	0.8184	<0.0001	No Trend	1.0000	Same	0.7280	No Trend
ELIPH	Annual	STP	0.8184	<0.0001	No Trend	0.8184	<0.0001	No Trend	1.0000	Same	0.7280	No Trend
ELIPH	Annual	BTP	0.1060	0.0013	No Trend	0.1060	0.0013	No Trend	1.0000	Same	0.0210	No Trend
ELIPH	Annual	BTP	0.1060	0.0013	No Trend	0.1060	0.0013	No Trend	1.0000	Same	0.0210	No Trend
ELIPH	Annual	SPO4F	0.5337	<0.0001	No Trend	0.8150	<0.0001	No Trend	0.8101	Same	0.5320	No Trend
ELIPH	Annual	BPO4F	0.3081	<0.0001	No Trend	0.5472	<0.0001	No Trend	0.7932	Same	0.2429	No Trend
PMKTF	Annual	STN	0.9500	<0.0001	No Trend	0.0006	0.0125	Degrading	0.0071	Different	0.0050	-
PMKTF	Annual	BTN	0.4911	-0.0050	No Trend	0.1598	0.0056	No Trend	0.1185	Same	0.4757	No Trend
PMKTF	Annual	SDIN	0.7301	-0.0032	No Trend	<0.0001	0.0126	Degrading	0.0001	Different	0.0004	-
PMKTF	Annual	BDIN	0.8440	-0.0020	No Trend	0.0085	0.0078	Degrading	0.0206	Same	0.0394	No Trend
PMKTF	Annual	STP	0.0005	0.0025	Degrading	0.0122	0.0011	No Trend	1.0000	Same	<0.0001	Degrading
PMKTF	Annual	BTP	<0.0001	0.0043	Degrading	0.3319	0.0008	No Trend	0.0650	Same	0.0006	Degrading
PMKTF	Annual	SPO4F	0.0042	<0.0001	High BDLs	<0.0001	-0.0010	Improving	0.0011	Different	<0.0001	-
PMKTF	Annual	BPO4F	0.0041	<0.0001	High BDLs	<0.0001	-0.0010	Improving	0.0006	Different	<0.0001	-
PMKOH	Annual	STN	0.0012	0.0275	Degrading	0.2955	0.0036	No Trend	0.2747	Same	0.0055	Degrading
PMKOH	Annual	BTN	0.0005	0.0500	Degrading	0.0923	0.0152	No Trend	0.5393	Same	0.0007	Degrading
PMKOH	Annual	SDIN	0.5354	-0.0008	No Trend	0.3005	0.0031	No Trend	0.2220	Same	0.6470	No Trend
PMKOH	Annual	BDIN	0.8888	<0.0001	No Trend	0.1554	0.0037	No Trend	0.2746	Same	0.1991	No Trend
PMKOH	Annual	STP	0.0005	0.0063	Degrading	0.3036	-0.0013	No Trend	0.0036	Different	0.2120	-
PMKOH	Annual	BTP	0.0003	0.0175	Degrading	0.2332	0.0033	No Trend	0.2725	Same	0.0022	Degrading
PMKOH	Annual	SPO4F	0.0116	<0.0001	No Trend	0.2325	-0.0003	No Trend	0.0176	Same	0.7224	No Trend
PMKOH	Annual	BPO4F	0.1884	<0.0001	No Trend	0.2329	-0.0002	No Trend	0.0865	Same	0.7317	No Trend
MPNTF	Annual	STN	0.8507	0.0005	No Trend	0.0103	0.0092	No Trend	0.0539	Same	0.0285	No Trend
MPNTF	Annual	BTN	0.0156	-0.0130	No Trend	0.0736	0.0057	No Trend	0.0038	Different	1.0000	-
MPNTF	Annual	SDIN	0.5936	0.0023	No Trend	<0.0001	0.0120	Degrading	0.0001	Different	<0.0001	-
MPNTF	Annual	BDIN	0.7114	0.0008	No Trend	<0.0001	0.0098	Degrading	0.0008	Different	0.0001	-
MPNTF	Annual	STP	0.0002	0.0017	Degrading	0.4171	-0.0002	No Trend	0.0050	Different	0.1392	-
MPNTF	Annual	BTP	0.0211	0.0013	No Trend	0.4474	-0.0003	No Trend	0.0495	Same	0.4717	No Trend
MPNTF	Annual	SPO4F	1.0000	<0.0001	No Trend	<0.0001	-0.0013	Improving	<0.0001	Different	<0.0001	-
MPNTF	Annual	BPO4F	0.0287	<0.0001	No Trend	<0.0001	-0.0013	Improving	<0.0001	Different	<0.0001	-
MPNOH	Annual	STN	<0.0001	0.0246	Degrading	0.2125	0.0044	No Trend	0.1081	Same	0.0003	Degrading
MPNOH	Annual	BTN	0.0211	0.0218	No Trend	0.4192	-0.0050	No Trend	0.0429	Same	0.4749	No Trend
MPNOH	Annual	SDIN	0.3547	0.0015	No Trend	0.0062	0.0075	Degrading	0.0970	Same	0.0055	Degrading
MPNOH	Annual	BDIN	0.3570	0.0025	No Trend	0.0052	0.0077	Degrading	0.0722	Same	0.0043	Degrading
MPNOH	Annual	STP	<0.0001	0.0058	Degrading	0.9822	<0.0001	No Trend	0.0096	Different	0.0087	-
MPNOH	Annual	BTP	0.0012	0.0061	Degrading	0.4349	0.0013	No Trend	0.2204	Same	0.0122	No Trend
MPNOH	Annual	SPO4F	0.0603	<0.0001	No Trend	0.1453	-0.0003	No Trend	0.0246	Same	0.8221	No Trend
MPNOH	Annual	BPO4F	0.0943	<0.0001	No Trend	0.0489	-0.0004	No Trend	0.0100	Same	0.4420	No Trend

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
YRKMH	Annual	STN	0.0122	0.0200	No Trend	0.0503	0.0046	No Trend	0.8661	Same	0.0023	Degrading
YRKMH	Annual	BTN	0.0010	0.0270	Degrading	0.1865	0.0064	No Trend	0.5018	Same	0.0038	Degrading
YRKMH	Annual	SDIN	0.3716	-0.0017	No Trend	0.0887	0.0038	No Trend	0.0540	Same	0.3850	No Trend
YRKMH	Annual	BDIN	0.5417	-0.0006	No Trend	0.1169	0.0041	No Trend	0.0949	Same	0.3275	No Trend
YRKMH	Annual	STP	<0.0001	0.0050	Degrading	0.3576	-0.0006	No Trend	<0.0001	Different	0.0077	-
YRKMH	Annual	BTP	<0.0001	0.0075	Degrading	0.1616	0.0017	No Trend	0.1491	Same	0.0002	Degrading
YRKMH	Annual	SPO4F	<0.0001	0.0008	Degrading	0.4698	0.0001	No Trend	0.1059	Same	0.0043	Degrading
YRKMH	Annual	BPO4F	<0.0001	0.0010	Degrading	0.0455	0.0003	No Trend	0.6717	Same	0.0001	Degrading
YRKPH	Annual	STN	0.0035	0.0179	Degrading	0.0001	0.0071	Degrading	0.1000	Same	<0.0001	Degrading
YRKPH	Annual	BTN	<0.0001	0.0333	Degrading	0.0131	0.0081	No Trend	0.9374	Same	<0.0001	Degrading
YRKPH	Annual	SDIN	0.1261	-0.0013	No Trend	0.1134	0.0012	No Trend	0.0295	Same	0.6239	No Trend
YRKPH	Annual	BDIN	0.5912	<0.0001	No Trend	0.2620	0.0008	No Trend	0.4866	Same	0.2077	No Trend
YRKPH	Annual	STP	<0.0001	0.0029	Degrading	0.8102	0.0001	No Trend	0.0037	Different	0.0010	-
YRKPH	Annual	BTP	<0.0001	0.0036	Degrading	0.8790	0.0001	No Trend	0.0018	Different	0.0007	-
YRKPH	Annual	SPO4F	0.0037	<0.0001	High BDLs	0.4312	0.0001	No Trend	0.4572	Same	0.0341	No Trend
YRKPH	Annual	BPO4F	0.0104	<0.0001	No Trend	0.6403	0.0001	No Trend	0.4107	Same	0.0999	No Trend
RPPTF	Annual	STN	0.3813	-0.0089	No Trend	0.1233	0.0055	No Trend	0.0741	Same	0.4296	No Trend
RPPTF	Annual	BTN	0.0187	-0.0215	No Trend	0.8532	0.0010	No Trend	0.1504	Same	0.2601	No Trend
RPPTF	Annual	SDIN	0.1096	0.0113	No Trend	0.0193	0.0105	No Trend	0.2775	Same	0.0044	Degrading
RPPTF	Annual	BDIN	0.0489	0.0100	No Trend	0.0307	0.0088	No Trend	0.4411	Same	0.0038	Degrading
RPPTF	Annual	STP	0.0808	0.0007	No Trend	0.1660	-0.0008	No Trend	0.0332	Same	0.8465	No Trend
RPPTF	Annual	BTP	0.3526	0.0007	No Trend	0.4012	-0.0005	No Trend	0.2191	Same	0.8606	No Trend
RPPTF	Annual	SPO4F	0.6364	<0.0001	No Trend	0.0004	-0.0004	Improving	0.0006	Different	0.0030	-
RPPTF	Annual	BPO4F	0.7403	<0.0001	No Trend	0.0009	-0.0004	Improving	0.0048	Different	0.0016	-
RPPMH	Annual	STN	0.0235	0.0100	No Trend	0.2197	0.0041	No Trend	0.8289	Same	0.0228	No Trend
RPPMH	Annual	BTN	0.0009	0.0149	Degrading	0.9842	<0.0001	No Trend	0.0637	Same	0.0686	No Trend
RPPMH	Annual	SDIN	0.0037	-0.0050	Improving	0.1316	0.0007	No Trend	0.0045	Different	0.7752	-
RPPMH	Annual	BDIN	0.2307	-0.0008	No Trend	0.6066	0.0006	No Trend	0.2719	Same	0.8157	No Trend
RPPMH	Annual	STP	<0.0001	0.0020	Degrading	0.7664	-0.0001	No Trend	0.0040	Different	0.0176	-
RPPMH	Annual	BTP	0.0045	0.0015	Degrading	0.2052	-0.0005	No Trend	0.0089	Different	0.6289	-
RPPMH	Annual	SPO4F	0.8505	<0.0001	No Trend	0.7020	<0.0001	No Trend	0.6591	Same	0.7736	No Trend
RPPMH	Annual	BPO4F	0.1538	<0.0001	No Trend	0.4468	<0.0001	No Trend	0.8361	Same	0.2216	No Trend
RPPOH	Annual	STN	0.2225	0.0133	No Trend	0.1214	0.0070	No Trend	0.5706	Same	0.0471	No Trend
RPPOH	Annual	BTN	0.0064	0.0275	Degrading	0.0939	0.0095	No Trend	0.8850	Same	0.0034	Degrading
RPPOH	Annual	SDIN	0.0211	-0.0086	No Trend	0.4171	<0.0001	No Trend	0.0476	Same	0.5242	No Trend
RPPOH	Annual	BDIN	0.0046	-0.0100	Improving	0.2819	0.0006	No Trend	0.0136	Same	0.5051	No Trend
RPPOH	Annual	STP	0.0001	0.0050	Degrading	0.7454	-0.0003	No Trend	0.0114	Same	0.0459	No Trend
RPPOH	Annual	BTP	<0.0001	0.0070	Degrading	0.6201	0.0006	No Trend	0.0234	Same	0.0021	Degrading
RPPOH	Annual	SPO4F	0.4892	<0.0001	No Trend	0.0271	-0.0003	No Trend	0.0758	Same	0.0199	No Trend
RPPOH	Annual	BPO4F	0.1177	<0.0001	No Trend	0.0036	-0.0003	Improving	0.0404	Same	0.0009	Improving
CRRMH	Annual	STN	0.0776	0.0121	No Trend	0.1528	0.0035	No Trend	0.7708	Same	0.0311	No Trend
CRRMH	Annual	BTN	0.0109	0.0200	No Trend	0.6892	-0.0013	No Trend	0.1073	Same	0.3618	No Trend
CRRMH	Annual	SDIN	0.0007	-0.0050	Improving	0.1350	-0.0002	No Trend	0.4118	Same	0.0012	Improving
CRRMH	Annual	BDIN	0.0496	-0.0017	No Trend	0.5232	-0.0002	No Trend	0.6282	Same	0.1144	No Trend
CRRMH	Annual	STP	<0.0001	0.0013	Degrading	0.8718	0.0001	No Trend	0.0127	Same	0.0059	Degrading
CRRMH	Annual	BTP	<0.0001	0.0017	Degrading	0.0339	-0.0007	No Trend	<0.0001	Different	0.5376	-
CRRMH	Annual	SPO4F	0.6865	<0.0001	No Trend	0.8179	<0.0001	No Trend	0.7112	Same	0.9479	No Trend
CRRMH	Annual	BPO4F	0.2846	<0.0001	No Trend	0.6378	<0.0001	No Trend	0.9834	Same	0.3932	No Trend

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
APPTF	SAV1	STN	0.0098	-0.0340	Improving	0.6353	0.0037	No Trend	0.0530	Same	0.2418	No Trend
APPTF	SAV1	BTN	0.0401	-0.0242	No Trend	0.7266	-0.0029	No Trend	0.3452	Same	0.1309	No Trend
APPTF	SAV1	SDIN	0.6861	-0.0024	No Trend	0.7300	-0.0027	No Trend	0.9813	Same	0.5900	No Trend
APPTF	SAV1	BDIN	0.4441	-0.0046	No Trend	0.6517	-0.0015	No Trend	0.9263	Same	0.4054	No Trend
APPTF	SAV1	STP	0.1941	-0.0020	No Trend	0.4954	-0.0006	No Trend	0.8563	Same	0.1893	No Trend
APPTF	SAV1	BTP	0.4609	0.0009	No Trend	0.4292	-0.0011	No Trend	0.2760	Same	0.8205	No Trend
APPTF	SAV1	SPO4F	0.0413	-0.0007	No Trend	0.3177	-0.0002	No Trend	0.8009	Same	0.0513	No Trend
APPTF	SAV1	BPO4F	0.0053	-0.0013	Improving	0.3174	-0.0001	No Trend	0.5074	Same	0.0185	No Trend
JMSTF2	SAV1	STN	<0.0001	-0.0567	Improving	0.0117	0.0157	No Trend	<0.0001	Different	0.5997	-
JMSTF2	SAV1	BTN	<0.0001	-0.1255	Improving	0.0084	0.0189	Degrading	<0.0001	Different	0.1355	-
JMSTF2	SAV1	SDIN	0.0002	-0.0278	Improving	0.0305	0.0094	No Trend	0.0001	Different	0.7723	-
JMSTF2	SAV1	BDIN	<0.0001	-0.0667	Improving	0.0339	0.0103	No Trend	<0.0001	Different	0.2259	-
JMSTF2	SAV1	STP	<0.0001	-0.0150	Improving	0.6408	0.0005	No Trend	0.0008	Different	0.0099	-
JMSTF2	SAV1	BTP	<0.0001	-0.0225	Improving	0.3297	0.0009	No Trend	<0.0001	Different	0.0082	-
JMSTF2	SAV1	SPO4F	<0.0001	-0.0125	Improving	0.0224	-0.0010	No Trend	0.3509	Same	<0.0001	Improving
JMSTF2	SAV1	BPO4F	<0.0001	-0.0180	Improving	0.0051	-0.0012	Improving	0.4629	Same	<0.0001	Improving
JMSTF1	SAV1	STN	0.1240	-0.0166	No Trend	0.0030	-0.0147	Improving	0.1224	Same	0.0009	Improving
JMSTF1	SAV1	BTN	0.1259	-0.0271	No Trend	<0.0001	-0.0310	Improving	0.0086	Different	<0.0001	-
JMSTF1	SAV1	SDIN	0.0018	-0.0273	Improving	0.2506	0.0081	No Trend	0.0065	Different	0.4130	-
JMSTF1	SAV1	BDIN	0.0006	-0.0300	Improving	0.4248	0.0055	No Trend	0.0090	Different	0.1954	-
JMSTF1	SAV1	STP	0.0773	0.0025	No Trend	0.0584	-0.0018	No Trend	0.0102	Same	0.5420	No Trend
JMSTF1	SAV1	BTP	0.0002	0.0050	Degrading	0.0002	-0.0058	Improving	<0.0001	Different	0.2936	-
JMSTF1	SAV1	SPO4F	0.0276	-0.0011	No Trend	0.4638	0.0001	No Trend	0.0676	Same	0.5521	No Trend
JMSTF1	SAV1	BPO4F	0.0456	-0.0003	No Trend	0.8928	<0.0001	No Trend	0.2276	Same	0.3276	No Trend
CHKOH	SAV1	STN	0.0546	-0.0375	No Trend	0.6672	-0.0016	No Trend	0.7296	Same	0.2529	No Trend
CHKOH	SAV1	BTN	0.7753	-0.0150	No Trend	0.3989	-0.0072	No Trend	0.5131	Same	0.3598	No Trend
CHKOH	SAV1	SDIN	0.4664	<0.0001	No Trend	0.0028	0.0027	Degrading	0.0020	Different	0.0107	-
CHKOH	SAV1	BDIN	0.4344	<0.0001	No Trend	0.0263	0.0025	No Trend	0.0172	Same	0.0700	No Trend
CHKOH	SAV1	STP	0.1175	0.0020	No Trend	0.0637	-0.0011	No Trend	0.0212	Same	0.2388	No Trend
CHKOH	SAV1	BTP	0.0622	0.0063	No Trend	0.0184	-0.0038	No Trend	0.0039	Different	0.1258	-
CHKOH	SAV1	SPO4F	0.3681	<0.0001	No Trend	0.5690	<0.0001	No Trend	0.7517	Same	0.4290	No Trend
CHKOH	SAV1	BPO4F	0.0599	<0.0001	No Trend	0.4716	<0.0001	No Trend	0.8570	Same	0.2263	No Trend
JMSOH	SAV1	STN	0.4530	-0.0050	No Trend	0.1636	0.0052	No Trend	0.1104	Same	0.4780	No Trend
JMSOH	SAV1	BTN	0.0535	0.0221	No Trend	0.9786	-0.0005	No Trend	0.2584	Same	0.2775	No Trend
JMSOH	SAV1	SDIN	0.0020	-0.0173	Improving	0.0081	0.0080	Degrading	0.0001	Different	0.7002	-
JMSOH	SAV1	BDIN	0.0031	-0.0154	Improving	0.0439	0.0059	No Trend	0.0008	Different	0.9459	-
JMSOH	SAV1	STP	0.0001	0.0050	Degrading	0.9793	<0.0001	No Trend	0.0334	Same	0.0372	No Trend
JMSOH	SAV1	BTP	<0.0001	0.0104	Degrading	0.2332	-0.0019	No Trend	0.0006	Different	0.1526	-
JMSOH	SAV1	SPO4F	0.0083	0.0007	Degrading	0.3363	0.0002	No Trend	0.5510	Same	0.0257	No Trend
JMSOH	SAV1	BPO4F	0.1579	<0.0001	No Trend	0.3908	0.0001	No Trend	0.9648	Same	0.1340	No Trend
JMSMH	SAV1	STN	0.0285	0.0167	No Trend	0.0417	0.0056	No Trend	0.5854	Same	0.0036	Degrading
JMSMH	SAV1	BTN	0.0004	0.0250	Degrading	0.2605	0.0045	No Trend	0.3515	Same	0.0045	Degrading
JMSMH	SAV1	SDIN	0.9656	<0.0001	No Trend	0.0458	0.0050	No Trend	0.1041	Same	0.0856	No Trend
JMSMH	SAV1	BDIN	0.8283	<0.0001	No Trend	0.1655	0.0038	No Trend	0.2999	Same	0.1891	No Trend
JMSMH	SAV1	STP	<0.0001	0.0050	Degrading	0.5339	-0.0003	No Trend	0.0016	Different	0.0348	-
JMSMH	SAV1	BTP	<0.0001	0.0050	Degrading	0.6594	0.0002	No Trend	0.0168	Same	0.0017	Degrading
JMSMH	SAV1	SPO4F	0.0054	0.0017	Degrading	0.3240	0.0004	No Trend	0.4970	Same	0.0191	No Trend
JMSMH	SAV1	BPO4F	0.0018	0.0014	Degrading	0.3910	0.0003	No Trend	0.3432	Same	0.0163	No Trend

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
JMSPH	SAV1	STN	0.4079	0.0059	No Trend	0.4067	0.0013	No Trend	0.8285	Same	0.2422	No Trend
JMSPH	SAV1	BTN	0.2215	0.0083	No Trend	0.0374	0.0049	No Trend	0.3032	Same	0.0150	No Trend
JMSPH	SAV1	SDIN	0.4254	0.0031	No Trend	0.0013	0.0034	Degrading	0.0252	Same	0.0016	Degrading
JMSPH	SAV1	BDIN	0.3369	0.0011	No Trend	0.0111	0.0028	No Trend	0.1123	Same	0.0075	Degrading
JMSPH	SAV1	STP	0.1430	0.0008	No Trend	0.4069	-0.0003	No Trend	0.1290	Same	0.8965	No Trend
JMSPH	SAV1	BTP	0.0580	0.0012	No Trend	0.0405	-0.0007	No Trend	0.0055	Different	0.5155	-
JMSPH	SAV1	SPO4F	1.0000	<0.0001	No Trend	0.6775	0.0001	No Trend	0.7262	Same	0.7262	No Trend
JMSPH	SAV1	BPO4F	0.6873	<0.0001	No Trend	0.7951	<0.0001	No Trend	0.9826	Same	0.6468	No Trend
ELIPH	SAV1	STN	0.4414	0.0080	No Trend	0.4414	0.0080	No Trend	1.0000	Same	0.2624	No Trend
ELIPH	SAV1	BTN	0.2526	0.0117	No Trend	0.2526	0.0117	No Trend	1.0000	Same	0.0986	No Trend
ELIPH	SAV1	SDIN	0.3891	0.0025	No Trend	0.4419	0.0032	No Trend	0.9745	Same	0.2361	No Trend
ELIPH	SAV1	BDIN	0.3903	0.0034	No Trend	0.3168	0.0051	No Trend	0.9462	Same	0.1773	No Trend
ELIPH	SAV1	SPO4F	0.7742	<0.0001	No Trend	0.7742	<0.0001	No Trend	1.0000	Same	0.6638	No Trend
ELIPH	SAV1	BPO4F	0.5596	<0.0001	No Trend	0.5596	<0.0001	No Trend	1.0000	Same	0.3927	No Trend
PMKTF	SAV1	STN	0.7822	0.0017	No Trend	0.0164	0.0119	No Trend	0.0819	Same	0.0344	No Trend
PMKTF	SAV1	BTN	0.8128	0.0025	No Trend	0.4955	0.0042	No Trend	0.7147	Same	0.4797	No Trend
PMKTF	SAV1	SDIN	0.3432	0.0043	No Trend	0.0021	0.0107	Degrading	0.0483	Same	0.0020	Degrading
PMKTF	SAV1	BDIN	0.3636	0.0053	No Trend	0.1339	0.0058	No Trend	0.5049	Same	0.0766	No Trend
PMKTF	SAV1	STP	0.0132	0.0025	No Trend	0.3343	0.0006	No Trend	0.4788	Same	0.0234	No Trend
PMKTF	SAV1	BTP	0.0003	0.0046	Degrading	0.3245	-0.0006	No Trend	0.0026	Different	0.1518	-
PMKTF	SAV1	SPO4F	0.0041	<0.0001	High BDLs	<0.0001	-0.0010	Improving	0.0475	Same	<0.0001	Improving
PMKTF	SAV1	BPO4F	0.0753	<0.0001	No Trend	<0.0001	-0.0010	Improving	0.0067	Different	<0.0001	-
PMKOH	SAV1	STN	0.0001	0.0350	Degrading	0.3678	-0.0065	No Trend	0.0026	Different	0.1198	-
PMKOH	SAV1	BTN	0.0026	0.0441	Degrading	1.0000	-0.0002	No Trend	0.0782	Same	0.0782	No Trend
PMKOH	SAV1	SDIN	0.3295	0.0050	No Trend	0.6776	0.0009	No Trend	0.7920	Same	0.3498	No Trend
PMKOH	SAV1	BDIN	0.3415	0.0050	No Trend	0.4252	0.0026	No Trend	0.9252	Same	0.2225	No Trend
PMKOH	SAV1	STP	0.0023	0.0063	Degrading	0.0165	-0.0026	No Trend	0.0002	Different	0.8722	-
PMKOH	SAV1	BTP	0.0014	0.0185	Degrading	0.7745	-0.0009	No Trend	0.0354	Same	0.1018	No Trend
PMKOH	SAV1	SPO4F	0.0002	0.0017	Degrading	0.5737	-0.0002	No Trend	0.0104	Same	0.1058	No Trend
PMKOH	SAV1	BPO4F	0.0403	0.0003	No Trend	0.4685	-0.0002	No Trend	0.0863	Same	0.6311	No Trend
MPNTF	SAV1	STN	0.8123	-0.0016	No Trend	0.6251	0.0043	No Trend	0.5781	Same	0.8277	No Trend
MPNTF	SAV1	BTN	0.0110	-0.0185	No Trend	0.9750	-0.0002	No Trend	0.1187	Same	0.1075	No Trend
MPNTF	SAV1	SDIN	0.0966	0.0050	No Trend	0.0023	0.0082	Degrading	0.1286	Same	0.0005	Degrading
MPNTF	SAV1	BDIN	0.2934	0.0027	No Trend	0.0202	0.0062	No Trend	0.2066	Same	0.0115	No Trend
MPNTF	SAV1	STP	0.0129	0.0014	No Trend	0.3631	-0.0006	No Trend	0.0268	Same	0.4603	No Trend
MPNTF	SAV1	BTP	0.6206	<0.0001	No Trend	0.1990	-0.0007	No Trend	0.1755	Same	0.4679	No Trend
MPNTF	SAV1	SPO4F	0.6734	<0.0001	No Trend	<0.0001	-0.0019	Improving	<0.0001	Different	0.0001	-
MPNTF	SAV1	BPO4F	0.0695	<0.0001	No Trend	<0.0001	-0.0020	Improving	0.0028	Different	<0.0001	-
MPNOH	SAV1	STN	<0.0001	0.0355	Degrading	0.8262	0.0025	No Trend	0.0023	Different	0.0007	-
MPNOH	SAV1	BTN	0.0292	0.0345	No Trend	0.0600	-0.0110	No Trend	0.0044	Different	0.8997	-
MPNOH	SAV1	SDIN	0.0356	0.0073	No Trend	0.3588	0.0030	No Trend	0.5748	Same	0.0429	No Trend
MPNOH	SAV1	BDIN	0.1485	0.0071	No Trend	0.2489	0.0030	No Trend	0.9425	Same	0.0714	No Trend
MPNOH	SAV1	STP	<0.0001	0.0067	Degrading	0.3578	-0.0017	No Trend	0.0002	Different	0.0254	-
MPNOH	SAV1	BTP	0.0122	0.0065	No Trend	0.6140	-0.0014	No Trend	0.0557	Same	0.2713	No Trend
MPNOH	SAV1	SPO4F	0.0163	0.0008	No Trend	0.1951	-0.0004	No Trend	0.0139	Same	0.7407	No Trend
MPNOH	SAV1	BPO4F	0.0141	0.0009	No Trend	0.0857	-0.0006	No Trend	0.0046	Different	1.0000	-

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
YRKMH	SAV1	STN	0.0002	0.0329	Degrading	0.3669	0.0023	No Trend	0.1770	Same	0.0045	Degrading
YRKMH	SAV1	BTN	0.0012	0.0300	Degrading	0.6115	-0.0022	No Trend	0.0244	Same	0.1594	No Trend
YRKMH	SAV1	SDIN	0.3622	-0.0017	No Trend	0.2357	0.0030	No Trend	0.1289	Same	0.6820	No Trend
YRKMH	SAV1	BDIN	0.6708	<0.0001	No Trend	0.6630	0.0018	No Trend	0.5329	Same	0.9236	No Trend
YRKMH	SAV1	STP	<0.0001	0.0063	Degrading	0.2089	-0.0008	No Trend	0.0003	Different	0.1148	-
YRKMH	SAV1	BTP	0.0011	0.0075	Degrading	0.8487	0.0001	No Trend	0.0938	Same	0.0463	No Trend
YRKMH	SAV1	SPO4F	0.0001	0.0013	Degrading	0.7513	0.0001	No Trend	0.0708	Same	0.0188	No Trend
YRKMH	SAV1	BPO4F	0.0005	0.0013	Degrading	0.1186	0.0003	No Trend	0.6490	Same	0.0017	Degrading
YRKPH	SAV1	STN	0.0018	0.0238	Degrading	0.0110	0.0048	No Trend	0.7028	Same	0.0001	Degrading
YRKPH	SAV1	BTN	0.0001	0.0489	Degrading	0.1372	0.0055	No Trend	0.3837	Same	0.0007	Degrading
YRKPH	SAV1	SDIN	0.7579	<0.0001	No Trend	0.5850	0.0006	No Trend	0.5160	Same	0.8027	No Trend
YRKPH	SAV1	BDIN	0.1308	0.0046	No Trend	0.8306	0.0003	No Trend	0.5482	Same	0.3321	No Trend
YRKPH	SAV1	STP	<0.0001	0.0025	Degrading	0.3059	-0.0005	No Trend	0.0007	Different	0.0907	-
YRKPH	SAV1	BTP	<0.0001	0.0038	Degrading	0.6246	-0.0006	No Trend	0.0028	Different	0.0292	-
YRKPH	SAV1	SPO4F	0.0610	<0.0001	No Trend	0.4359	0.0001	No Trend	0.7634	Same	0.1001	No Trend
YRKPH	SAV1	BPO4F	0.1598	<0.0001	No Trend	0.6488	0.0001	No Trend	0.7293	Same	0.2583	No Trend
RPPTF	SAV1	STN	0.4778	0.0090	No Trend	0.1776	0.0055	No Trend	0.4747	Same	0.1240	No Trend
RPPTF	SAV1	BTN	0.4778	-0.0102	No Trend	0.8763	-0.0009	No Trend	0.7782	Same	0.5880	No Trend
RPPTF	SAV1	SDIN	0.0126	0.0213	No Trend	0.2135	0.0052	No Trend	0.7286	Same	0.0152	No Trend
RPPTF	SAV1	BDIN	0.0071	0.0200	Degrading	0.3115	0.0056	No Trend	0.5150	Same	0.0191	No Trend
RPPTF	SAV1	STP	0.0884	0.0010	No Trend	0.0813	-0.0011	No Trend	0.0157	Same	0.6226	No Trend
RPPTF	SAV1	BTP	0.0795	0.0021	No Trend	0.1402	-0.0013	No Trend	0.0261	Same	0.8239	No Trend
RPPTF	SAV1	SPO4F	0.2040	<0.0001	No Trend	0.0895	-0.0002	No Trend	0.0350	Same	0.3488	No Trend
RPPTF	SAV1	BPO4F	0.5681	<0.0001	No Trend	0.0643	-0.0003	No Trend	0.0532	Same	0.1694	No Trend
RPPMH	SAV1	STN	0.0025	0.0175	Degrading	0.5685	0.0022	No Trend	0.2325	Same	0.0316	No Trend
RPPMH	SAV1	BTN	<0.0001	0.0258	Degrading	0.8155	0.0006	No Trend	0.0354	Same	0.0126	No Trend
RPPMH	SAV1	SDIN	0.0059	-0.0048	Improving	0.2117	0.0005	No Trend	0.0111	Same	0.6750	No Trend
RPPMH	SAV1	BDIN	0.3325	<0.0001	No Trend	0.9793	<0.0001	No Trend	0.5706	Same	0.6006	No Trend
RPPMH	SAV1	STP	0.0001	0.0020	Degrading	0.5685	-0.0002	No Trend	0.0085	Different	0.0955	-
RPPMH	SAV1	BTP	0.0204	0.0017	No Trend	0.1950	-0.0006	No Trend	0.0182	Same	0.8612	No Trend
RPPMH	SAV1	SPO4F	1.0000	<0.0001	No Trend	0.3559	<0.0001	No Trend	0.3761	Same	0.3761	No Trend
RPPMH	SAV1	BPO4F	0.1059	<0.0001	No Trend	0.6753	<0.0001	No Trend	0.8818	Same	0.3462	No Trend
RPPOH	SAV1	STN	0.0264	0.0273	No Trend	0.2573	0.0059	No Trend	0.7587	Same	0.0282	No Trend
RPPOH	SAV1	BTN	0.0003	0.0360	Degrading	0.2839	0.0069	No Trend	0.2553	Same	0.0035	Degrading
RPPOH	SAV1	SDIN	0.2774	-0.0050	No Trend	0.8922	<0.0001	No Trend	0.6051	Same	0.4582	No Trend
RPPOH	SAV1	BDIN	0.0481	-0.0075	No Trend	0.9126	<0.0001	No Trend	0.2260	Same	0.3040	No Trend
RPPOH	SAV1	STP	0.0005	0.0050	Degrading	0.4949	-0.0007	No Trend	0.0104	Same	0.1501	No Trend
RPPOH	SAV1	BTP	0.0001	0.0067	Degrading	0.8186	0.0002	No Trend	0.0376	Same	0.0141	No Trend
RPPOH	SAV1	SPO4F	0.8404	<0.0001	No Trend	0.0347	-0.0003	No Trend	0.0625	Same	0.0393	No Trend
RPPOH	SAV1	BPO4F	0.6073	<0.0001	No Trend	0.0150	-0.0003	No Trend	0.0436	Same	0.0137	No Trend
CRRMH	SAV1	STN	0.1932	0.0150	No Trend	0.0560	0.0060	No Trend	0.3413	Same	0.0197	No Trend
CRRMH	SAV1	BTN	0.0436	0.0200	No Trend	0.4148	-0.0024	No Trend	0.0842	Same	0.7584	No Trend
CRRMH	SAV1	SDIN	0.0001	-0.0060	Improving	0.0795	-0.0003	No Trend	0.3585	Same	0.0002	Improving
CRRMH	SAV1	BDIN	0.0431	-0.0025	No Trend	0.0768	-0.0010	No Trend	0.6780	Same	0.0095	Improving
CRRMH	SAV1	STP	0.0011	0.0013	Degrading	0.7101	0.0002	No Trend	0.1152	Same	0.0288	No Trend
CRRMH	SAV1	BTP	0.0012	0.0020	Degrading	0.1300	-0.0008	No Trend	0.0018	Different	0.5334	-
CRRMH	SAV1	SPO4F	0.3893	<0.0001	No Trend	0.2700	<0.0001	No Trend	0.1699	Same	0.5011	No Trend
CRRMH	SAV1	BPO4F	0.6626	<0.0001	No Trend	0.0964	-0.0002	No Trend	0.1904	Same	0.0854	No Trend

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
APPTF	SAV2	STN	0.6617	-0.0025	No Trend	0.0500	0.0055	No Trend	0.0592	Same	0.1800	No Trend
APPTF	SAV2	BTN	0.9304	0.0021	No Trend	0.0708	0.0046	No Trend	0.1551	Same	0.1167	No Trend
APPTF	SAV2	SDIN	0.1149	-0.0075	No Trend	0.0808	0.0041	No Trend	0.0187	Same	0.5772	No Trend
APPTF	SAV2	BDIN	0.0879	-0.0094	No Trend	0.0625	0.0047	No Trend	0.0117	Same	0.5609	No Trend
APPTF	SAV2	STP	0.0539	0.0017	No Trend	0.0913	-0.0005	No Trend	0.0128	Same	0.7325	No Trend
APPTF	SAV2	BTP	0.0077	0.0025	Degrading	0.2946	-0.0002	No Trend	0.0188	Same	0.5570	No Trend
APPTF	SAV2	SPO4F	0.2533	<0.0001	No Trend	0.3785	-0.0001	No Trend	0.8795	Same	0.1724	No Trend
APPTF	SAV2	BPO4F	0.1511	<0.0001	No Trend	0.3043	-0.0001	No Trend	0.8996	Same	0.1008	No Trend
JMSTF2	SAV2	STN	1.0000	-0.0005	No Trend	0.0301	0.0055	No Trend	0.0679	Same	0.0753	No Trend
JMSTF2	SAV2	BTN	0.1901	-0.0092	No Trend	0.0382	0.0059	No Trend	0.0133	Same	0.3392	No Trend
JMSTF2	SAV2	SDIN	0.1464	-0.0069	No Trend	0.0201	0.0060	No Trend	0.0057	Different	0.2609	-
JMSTF2	SAV2	BDIN	0.0228	-0.0150	No Trend	0.0130	0.0061	No Trend	0.0008	Different	0.4162	-
JMSTF2	SAV2	STP	0.7941	<0.0001	No Trend	0.1453	-0.0004	No Trend	0.1647	Same	0.2893	No Trend
JMSTF2	SAV2	BTP	0.7210	<0.0001	No Trend	0.0866	-0.0005	No Trend	0.0969	Same	0.2199	No Trend
JMSTF2	SAV2	SPO4F	0.0106	-0.0001	No Trend	0.1035	-0.0003	No Trend	0.9423	Same	0.0064	Improving
JMSTF2	SAV2	BPO4F	0.0040	-0.0009	Improving	0.1093	-0.0003	No Trend	0.9214	Same	0.0042	Improving
JMSTF1	SAV2	STN	0.7330	0.0037	No Trend	0.7369	-0.0022	No Trend	0.6231	Same	0.9440	No Trend
JMSTF1	SAV2	BTN	0.8613	-0.0025	No Trend	0.3135	-0.0053	No Trend	0.4650	Same	0.3339	No Trend
JMSTF1	SAV2	SDIN	0.1854	-0.0075	No Trend	0.1168	0.0041	No Trend	0.0393	Same	0.5740	No Trend
JMSTF1	SAV2	BDIN	0.1055	-0.0081	No Trend	0.1616	0.0033	No Trend	0.0380	Same	0.7772	No Trend
JMSTF1	SAV2	STP	0.0065	0.0025	Degrading	0.0072	-0.0007	Improving	0.0002	Different	0.4359	-
JMSTF1	SAV2	BTP	0.0027	0.0025	Degrading	0.0002	-0.0013	Improving	<0.0001	Different	0.1347	-
JMSTF1	SAV2	SPO4F	0.0975	<0.0001	No Trend	0.5722	<0.0001	No Trend	0.6980	Same	0.1744	No Trend
JMSTF1	SAV2	BPO4F	0.1534	<0.0001	No Trend	0.5177	-0.0001	No Trend	0.8643	Same	0.1956	No Trend
CHKOH	SAV2	STN	0.9572	-0.0007	No Trend	0.0923	0.0044	No Trend	0.1244	Same	0.1510	No Trend
CHKOH	SAV2	BTN	0.6682	0.0050	No Trend	0.3412	0.0039	No Trend	0.5351	Same	0.2860	No Trend
CHKOH	SAV2	SDIN	0.1965	-0.0075	No Trend	0.0025	0.0057	Degrading	0.0010	Different	0.0411	-
CHKOH	SAV2	BDIN	0.1606	-0.0081	No Trend	0.0172	0.0053	No Trend	0.0053	Different	0.1490	-
CHKOH	SAV2	STP	0.0005	0.0033	Degrading	0.0816	-0.0005	No Trend	0.0015	Different	0.9393	-
CHKOH	SAV2	BTP	0.0004	0.0033	Degrading	0.0100	-0.0007	Improving	0.0001	Different	0.4998	-
CHKOH	SAV2	SPO4F	0.7360	<0.0001	No Trend	0.4885	<0.0001	No Trend	0.6330	Same	0.4261	No Trend
CHKOH	SAV2	BPO4F	0.5012	<0.0001	No Trend	0.3092	-0.0001	No Trend	0.5150	Same	0.2209	No Trend
JMSOH	SAV2	STN	0.4685	0.0057	No Trend	0.1616	0.0037	No Trend	0.4539	Same	0.1115	No Trend
JMSOH	SAV2	BTN	0.0267	0.0164	No Trend	0.9108	-0.0006	No Trend	0.1824	Same	0.2516	No Trend
JMSOH	SAV2	SDIN	0.1241	-0.0083	No Trend	0.0111	0.0051	No Trend	0.0028	Different	0.2173	-
JMSOH	SAV2	BDIN	0.1241	-0.0081	No Trend	0.0242	0.0047	No Trend	0.0059	Different	0.3190	-
JMSOH	SAV2	STP	<0.0001	0.0050	Degrading	0.0137	-0.0006	No Trend	<0.0001	Different	0.6042	-
JMSOH	SAV2	BTP	<0.0001	0.0063	Degrading	0.0061	-0.0009	Improving	<0.0001	Different	0.4944	-
JMSOH	SAV2	SPO4F	0.3078	<0.0001	No Trend	0.4731	-0.0001	No Trend	0.2455	Same	0.9409	No Trend
JMSOH	SAV2	BPO4F	1.0000	<0.0001	No Trend	0.8636	<0.0001	No Trend	0.8821	Same	0.8821	No Trend
JMSMH	SAV2	STN	0.0170	0.0154	No Trend	0.3135	0.0033	No Trend	0.6232	Same	0.0296	No Trend
JMSMH	SAV2	BTN	0.0049	0.0200	Degrading	0.7369	0.0023	No Trend	0.1982	Same	0.0646	No Trend
JMSMH	SAV2	SDIN	0.6692	-0.0021	No Trend	0.0720	0.0035	No Trend	0.0797	Same	0.2208	No Trend
JMSMH	SAV2	BDIN	0.4925	-0.0033	No Trend	0.1468	0.0028	No Trend	0.1073	Same	0.4276	No Trend
JMSMH	SAV2	STP	<0.0001	0.0050	Degrading	0.0117	-0.0006	No Trend	<0.0001	Different	0.3826	-
JMSMH	SAV2	BTP	<0.0001	0.0046	Degrading	0.0825	-0.0005	No Trend	<0.0001	Different	0.2575	-
JMSMH	SAV2	SPO4F	0.4448	<0.0001	No Trend	0.6467	-0.0001	No Trend	0.4243	Same	1.0000	No Trend
JMSMH	SAV2	BPO4F	0.2016	<0.0001	No Trend	0.4059	-0.0001	No Trend	0.1693	Same	0.9402	No Trend

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
JMSPH	SAV2	STN	0.1055	0.0113	No Trend	0.3703	0.0033	No Trend	0.8699	Same	0.0967	No Trend
JMSPH	SAV2	BTN	0.0297	0.0149	No Trend	0.1044	0.0044	No Trend	0.8883	Same	0.0100	No Trend
JMSPH	SAV2	SDIN	0.6665	-0.0001	No Trend	0.1377	0.0026	No Trend	0.1329	Same	0.3240	No Trend
JMSPH	SAV2	BDIN	0.9296	<0.0001	No Trend	0.0606	0.0027	No Trend	0.0978	Same	0.1301	No Trend
JMSPH	SAV2	STP	0.0009	0.0015	Degrading	0.0438	-0.0005	No Trend	0.0004	Different	0.9062	-
JMSPH	SAV2	BTP	0.0017	0.0020	Degrading	0.1043	-0.0004	No Trend	0.0020	Different	0.7236	-
JMSPH	SAV2	SPO4F	1.0000	<0.0001	No Trend	0.4307	-0.0001	No Trend	0.5088	Same	0.4779	No Trend
JMSPH	SAV2	BPO4F	0.8821	<0.0001	No Trend	0.4142	-0.0001	No Trend	0.5408	Same	0.4195	No Trend
ELIPH	SAV2	STN	0.3427	0.0116	No Trend	0.3427	0.0116	No Trend	1.0000	Same	0.1690	No Trend
ELIPH	SAV2	BTN	0.6883	0.0044	No Trend	0.6883	0.0044	No Trend	1.0000	Same	0.5466	No Trend
ELIPH	SAV2	SDIN	0.4749	0.0025	No Trend	0.3197	0.0032	No Trend	0.8666	Same	0.2139	No Trend
ELIPH	SAV2	BDIN	0.6112	0.0025	No Trend	0.5807	0.0025	No Trend	1.0000	Same	0.4319	No Trend
ELIPH	SAV2	SPO4F	0.2740	<0.0001	No Trend	0.2818	<0.0001	No Trend	1.0000	Same	0.1173	No Trend
ELIPH	SAV2	BPO4F	0.9275	<0.0001	No Trend	0.9283	<0.0001	No Trend	0.8729	Same	1.0000	No Trend
PMKTF	SAV2	STN	0.0332	0.0133	No Trend	0.0027	0.0069	Degrading	0.2113	Same	0.0002	Degrading
PMKTF	SAV2	BTN	0.1594	0.0092	No Trend	0.0962	0.0045	No Trend	0.6044	Same	0.0281	No Trend
PMKTF	SAV2	SDIN	0.8309	<0.0001	No Trend	<0.0001	0.0098	Degrading	0.0005	Different	0.0002	-
PMKTF	SAV2	BDIN	1.0000	<0.0001	No Trend	0.0048	0.0058	Degrading	0.0218	Same	0.0192	No Trend
PMKTF	SAV2	STP	<0.0001	0.0033	Degrading	0.9527	<0.0001	No Trend	0.0185	Same	0.0141	No Trend
PMKTF	SAV2	BTP	<0.0001	0.0042	Degrading	0.7164	-0.0001	No Trend	0.0021	Different	0.0130	-
PMKTF	SAV2	SPO4F	0.7037	<0.0001	No Trend	0.0162	-0.0005	No Trend	0.0543	Same	0.0198	No Trend
PMKTF	SAV2	BPO4F	0.7200	<0.0001	No Trend	0.0170	-0.0004	No Trend	0.0634	Same	0.0233	No Trend
PMKOH	SAV2	STN	0.0884	0.0150	No Trend	0.2579	0.0037	No Trend	0.9618	Same	0.0551	No Trend
PMKOH	SAV2	BTN	0.0960	0.0141	No Trend	0.0508	0.0056	No Trend	0.5391	Same	0.0099	Degrading
PMKOH	SAV2	SDIN	0.6992	<0.0001	No Trend	0.0451	0.0046	No Trend	0.1559	Same	0.0574	No Trend
PMKOH	SAV2	BDIN	0.7001	0.0004	No Trend	0.0870	0.0041	No Trend	0.2394	Same	0.0976	No Trend
PMKOH	SAV2	STP	<0.0001	0.0050	Degrading	0.1761	-0.0004	No Trend	0.0003	Different	0.1739	-
PMKOH	SAV2	BTP	<0.0001	0.0050	Degrading	0.1883	-0.0004	No Trend	0.0002	Different	0.1038	-
PMKOH	SAV2	SPO4F	0.3433	<0.0001	No Trend	0.0212	-0.0003	No Trend	0.0127	Same	0.1374	No Trend
PMKOH	SAV2	BPO4F	0.5497	<0.0001	No Trend	0.0230	-0.0003	No Trend	0.0220	Same	0.1019	No Trend
MPNTF	SAV2	STN	0.0027	0.0100	Degrading	0.0295	0.0056	No Trend	0.9235	Same	0.0005	Degrading
MPNTF	SAV2	BTN	0.7653	0.0031	No Trend	0.0710	0.0045	No Trend	0.2048	Same	0.0957	No Trend
MPNTF	SAV2	SDIN	0.8638	<0.0001	No Trend	<0.0001	0.0099	Degrading	0.0002	Different	0.0005	-
MPNTF	SAV2	BDIN	0.9660	-0.0003	No Trend	0.0001	0.0080	Degrading	0.0013	Different	0.0019	-
MPNTF	SAV2	STP	<0.0001	0.0025	Degrading	0.2863	-0.0002	No Trend	0.0012	Different	0.1399	-
MPNTF	SAV2	BTP	0.0001	0.0025	Degrading	0.0863	-0.0004	No Trend	0.0003	Different	0.4355	-
MPNTF	SAV2	SPO4F	0.3564	<0.0001	No Trend	0.0213	-0.0003	No Trend	0.0131	Same	0.1286	No Trend
MPNTF	SAV2	BPO4F	0.7921	<0.0001	No Trend	0.0394	-0.0003	No Trend	0.1053	Same	0.0526	No Trend
MPNOH	SAV2	STN	0.0151	0.0150	No Trend	0.0708	0.0054	No Trend	0.9418	Same	0.0038	Degrading
MPNOH	SAV2	BTN	0.2329	0.0100	No Trend	0.6459	0.0013	No Trend	0.7277	Same	0.2738	No Trend
MPNOH	SAV2	SDIN	0.4943	0.0020	No Trend	0.0028	0.0066	Degrading	0.0409	Same	0.0041	Degrading
MPNOH	SAV2	BDIN	0.5213	0.0020	No Trend	0.0143	0.0061	No Trend	0.1110	Same	0.0168	No Trend
MPNOH	SAV2	STP	<0.0001	0.0050	Degrading	0.1577	-0.0004	No Trend	<0.0001	Different	0.0750	-
MPNOH	SAV2	BTP	<0.0001	0.0050	Degrading	0.0274	-0.0006	No Trend	<0.0001	Different	0.5312	-
MPNOH	SAV2	SPO4F	0.3848	<0.0001	No Trend	0.0420	-0.0003	No Trend	0.0265	Same	0.1969	No Trend
MPNOH	SAV2	BPO4F	0.8050	<0.0001	No Trend	0.0416	-0.0003	No Trend	0.0595	Same	0.1163	No Trend

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
YRKMH	SAV2	STN	0.0550	0.0141	No Trend	0.0373	0.0055	No Trend	0.5220	Same	0.0048	Degrading
YRKMH	SAV2	BTN	0.0884	0.0137	No Trend	0.2306	0.0040	No Trend	0.9811	Same	0.0490	No Trend
YRKMH	SAV2	SDIN	0.7977	0.0004	No Trend	0.1039	0.0041	No Trend	0.2355	Same	0.1289	No Trend
YRKMH	SAV2	BDIN	0.7970	<0.0001	No Trend	0.1039	0.0034	No Trend	0.1285	Same	0.2350	No Trend
YRKMH	SAV2	STP	0.0001	0.0033	Degrading	0.1805	-0.0004	No Trend	0.0010	Different	0.2863	-
YRKMH	SAV2	BTP	0.0030	0.0029	Degrading	0.4491	-0.0002	No Trend	0.0214	Same	0.2977	No Trend
YRKMH	SAV2	SPO4F	0.2214	<0.0001	No Trend	0.4568	-0.0001	No Trend	0.2124	Same	0.9391	No Trend
YRKMH	SAV2	BPO4F	0.4799	<0.0001	No Trend	0.6878	<0.0001	No Trend	0.4773	Same	1.0000	No Trend
YRKPH	SAV2	STN	0.0483	0.0137	No Trend	0.0677	0.0045	No Trend	0.6472	Same	0.0087	Degrading
YRKPH	SAV2	BTN	0.0212	0.0176	No Trend	0.1992	0.0040	No Trend	0.8843	Same	0.0199	No Trend
YRKPH	SAV2	SDIN	0.1691	-0.0042	No Trend	0.0563	0.0017	No Trend	0.0175	Same	0.4186	No Trend
YRKPH	SAV2	BDIN	0.7788	<0.0001	No Trend	0.3238	0.0014	No Trend	0.3119	Same	0.5054	No Trend
YRKPH	SAV2	STP	<0.0001	0.0029	Degrading	0.1805	-0.0002	No Trend	0.0002	Different	0.1443	-
YRKPH	SAV2	BTP	<0.0001	0.0033	Degrading	0.2946	-0.0003	No Trend	0.0016	Different	0.1597	-
YRKPH	SAV2	SPO4F	0.7589	<0.0001	No Trend	0.7963	<0.0001	No Trend	0.6966	Same	0.9378	No Trend
YRKPH	SAV2	BPO4F	0.8539	<0.0001	No Trend	0.5469	-0.0001	No Trend	0.5158	Same	0.6586	No Trend
RPPTF	SAV2	STN	0.3824	0.0071	No Trend	0.0438	0.0055	No Trend	0.2294	Same	0.0284	No Trend
RPPTF	SAV2	BTN	0.5120	0.0052	No Trend	0.1700	0.0042	No Trend	0.4365	Same	0.1253	No Trend
RPPTF	SAV2	SDIN	0.9651	<0.0001	No Trend	0.0100	0.0068	No Trend	0.0338	Same	0.0266	No Trend
RPPTF	SAV2	BDIN	0.6614	0.0018	No Trend	0.0118	0.0060	No Trend	0.0624	Same	0.0172	No Trend
RPPTF	SAV2	STP	0.0018	0.0025	Degrading	0.1098	-0.0005	No Trend	0.0023	Different	0.7353	-
RPPTF	SAV2	BTP	0.0002	0.0028	Degrading	0.0558	-0.0006	No Trend	0.0003	Different	0.6820	-
RPPTF	SAV2	SPO4F	0.4569	<0.0001	No Trend	0.0344	-0.0002	No Trend	0.0243	Same	0.1227	No Trend
RPPTF	SAV2	BPO4F	0.8697	<0.0001	No Trend	0.1088	-0.0002	No Trend	0.1271	Same	0.1849	No Trend
RPPMH	SAV2	STN	0.0332	0.0133	No Trend	0.2397	0.0040	No Trend	0.8332	Same	0.0296	No Trend
RPPMH	SAV2	BTN	0.0884	0.0133	No Trend	0.3135	0.0036	No Trend	0.9069	Same	0.0716	No Trend
RPPMH	SAV2	SDIN	0.3242	-0.0046	No Trend	0.1532	0.0020	No Trend	0.0787	Same	0.5267	No Trend
RPPMH	SAV2	BDIN	0.7974	-0.0021	No Trend	0.5017	0.0012	No Trend	0.4677	Same	0.6904	No Trend
RPPMH	SAV2	STP	0.0003	0.0025	Degrading	0.4665	-0.0001	No Trend	0.0103	Same	0.1837	No Trend
RPPMH	SAV2	BTP	0.0076	0.0020	Degrading	0.2395	-0.0003	No Trend	0.0142	Same	0.6371	No Trend
RPPMH	SAV2	SPO4F	1.0000	<0.0001	No Trend	0.4610	<0.0001	No Trend	0.4776	Same	0.5108	No Trend
RPPMH	SAV2	BPO4F	0.6501	<0.0001	No Trend	0.4281	<0.0001	No Trend	0.5778	Same	0.3536	No Trend
RPPOH	SAV2	STN	0.2329	0.0113	No Trend	0.0313	0.0063	No Trend	0.2795	Same	0.0133	No Trend
RPPOH	SAV2	BTN	0.5509	0.0050	No Trend	0.0712	0.0045	No Trend	0.2587	Same	0.0643	No Trend
RPPOH	SAV2	SDIN	0.1590	-0.0075	No Trend	0.0548	0.0041	No Trend	0.0162	Same	0.4416	No Trend
RPPOH	SAV2	BDIN	0.0548	-0.0100	No Trend	0.0914	0.0042	No Trend	0.0124	Same	0.7729	No Trend
RPPOH	SAV2	STP	0.0013	0.0037	Degrading	0.4754	-0.0002	No Trend	0.0151	Same	0.2106	No Trend
RPPOH	SAV2	BTP	0.0002	0.0033	Degrading	0.2462	-0.0004	No Trend	0.0020	Different	0.2385	-
RPPOH	SAV2	SPO4F	0.6425	<0.0001	No Trend	0.3781	-0.0001	No Trend	0.5820	Same	0.3067	No Trend
RPPOH	SAV2	BPO4F	0.6919	<0.0001	No Trend	0.2926	-0.0002	No Trend	0.4670	Same	0.2531	No Trend
CRRMH	SAV2	STN	0.2130	0.0107	No Trend	0.2509	0.0037	No Trend	0.7556	Same	0.0986	No Trend
CRRMH	SAV2	BTN	0.0720	0.0135	No Trend	0.2628	0.0037	No Trend	1.0000	Same	0.0555	No Trend
CRRMH	SAV2	SDIN	0.0553	-0.0058	No Trend	0.1296	0.0019	No Trend	0.0197	Same	0.8214	No Trend
CRRMH	SAV2	BDIN	0.2842	-0.0033	No Trend	0.2544	0.0014	No Trend	0.1189	Same	0.7104	No Trend
CRRMH	SAV2	STP	0.0001	0.0018	Degrading	0.2089	-0.0002	No Trend	0.0012	Different	0.2588	-
CRRMH	SAV2	BTP	0.0024	0.0020	Degrading	0.0427	-0.0005	No Trend	0.0007	Different	0.9809	-
CRRMH	SAV2	SPO4F	1.0000	<0.0001	No Trend	0.7270	<0.0001	No Trend	0.7267	Same	0.7674	No Trend
CRRMH	SAV2	BPO4F	0.7515	<0.0001	No Trend	0.6848	<0.0001	No Trend	0.5980	Same	0.8330	No Trend

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
APPTF	Spring1	STN	0.0652	-0.0180	No Trend	0.2446	0.0123	No Trend	0.0389	Same	0.8510	No Trend
APPTF	Spring1	BTN	0.3421	-0.0175	No Trend	0.3485	0.0058	No Trend	0.1770	Same	0.8552	No Trend
APPTF	Spring1	SDIN	0.3743	-0.0063	No Trend	0.7313	0.0023	No Trend	0.4135	Same	0.8034	No Trend
APPTF	Spring1	BDIN	0.2817	-0.0100	No Trend	0.6065	0.0041	No Trend	0.2864	Same	0.8312	No Trend
APPTF	Spring1	STP	0.4056	-0.0021	No Trend	0.5479	-0.0007	No Trend	1.0000	Same	0.3182	No Trend
APPTF	Spring1	BTP	0.9482	<0.0001	No Trend	0.7313	0.0005	No Trend	0.8298	Same	0.7202	No Trend
APPTF	Spring1	SPO4F	0.0481	-0.0018	No Trend	0.3170	-0.0002	No Trend	0.7715	Same	0.0499	No Trend
APPTF	Spring1	BPO4F	0.0184	-0.0028	No Trend	0.2233	-0.0002	No Trend	0.7443	Same	0.0185	No Trend
JMSTF2	Spring1	STN	0.2528	-0.0293	No Trend	0.1381	0.0117	No Trend	0.0570	Same	0.5865	No Trend
JMSTF2	Spring1	BTN	0.0019	-0.0836	Improving	0.1809	0.0171	No Trend	0.0035	Different	0.4658	-
JMSTF2	Spring1	SDIN	0.4693	-0.0053	No Trend	0.2193	0.0065	No Trend	0.1451	Same	0.5511	No Trend
JMSTF2	Spring1	BDIN	0.0569	-0.0296	No Trend	0.1494	0.0097	No Trend	0.0226	Same	0.8901	No Trend
JMSTF2	Spring1	STP	0.0026	-0.0083	Improving	0.7515	-0.0004	No Trend	0.1547	Same	0.0509	No Trend
JMSTF2	Spring1	BTP	0.0023	-0.0140	Improving	0.5098	-0.0011	No Trend	0.2542	Same	0.0247	No Trend
JMSTF2	Spring1	SPO4F	0.0002	-0.0100	Improving	0.0433	-0.0015	No Trend	0.7151	Same	0.0002	Improving
JMSTF2	Spring1	BPO4F	<0.0001	-0.0100	Improving	0.0437	-0.0013	No Trend	0.5337	Same	0.0001	Improving
JMSTF1	Spring1	STN	0.5873	-0.0081	No Trend	0.0395	-0.0160	No Trend	0.1645	Same	0.0402	No Trend
JMSTF1	Spring1	BTN	0.1452	-0.0288	No Trend	0.0026	-0.0314	Improving	0.0809	Same	0.0008	Improving
JMSTF1	Spring1	SDIN	0.5873	-0.0065	No Trend	0.8741	0.0012	No Trend	0.6429	Same	0.8425	No Trend
JMSTF1	Spring1	BDIN	0.3421	-0.0093	No Trend	0.9369	-0.0005	No Trend	0.6384	Same	0.5457	No Trend
JMSTF1	Spring1	STP	0.8061	<0.0001	No Trend	0.0395	-0.0027	No Trend	0.0579	Same	0.1179	No Trend
JMSTF1	Spring1	BTP	0.5664	0.0009	No Trend	0.0006	-0.0064	Improving	0.0011	Different	0.0096	-
JMSTF1	Spring1	SPO4F	0.0107	-0.0033	No Trend	0.6021	<0.0001	No Trend	0.3153	Same	0.0609	No Trend
JMSTF1	Spring1	BPO4F	0.0195	-0.0029	No Trend	0.5245	-0.0002	No Trend	0.4764	Same	0.0723	No Trend
CHKOH	Spring1	STN	0.0187	-0.0475	No Trend	0.4342	0.0055	No Trend	0.1202	Same	0.9381	No Trend
CHKOH	Spring1	BTN	0.2933	-0.0520	No Trend	0.8122	-0.0021	No Trend	0.8808	Same	0.5486	No Trend
CHKOH	Spring1	SDIN	0.8141	-0.0050	No Trend	0.0261	0.0080	No Trend	0.0267	Same	0.0474	No Trend
CHKOH	Spring1	BDIN	0.6334	-0.0073	No Trend	0.1901	0.0066	No Trend	0.1523	Same	0.2915	No Trend
CHKOH	Spring1	STP	0.5538	0.0035	No Trend	0.4841	-0.0006	No Trend	0.3712	Same	0.6689	No Trend
CHKOH	Spring1	BTP	0.4805	0.0042	No Trend	0.0574	-0.0035	No Trend	0.0391	Same	0.1240	No Trend
CHKOH	Spring1	SPO4F	0.0736	<0.0001	No Trend	0.4758	<0.0001	No Trend	0.8717	Same	0.2258	No Trend
CHKOH	Spring1	BPO4F	0.0122	-0.0013	No Trend	0.2445	-0.0002	No Trend	0.6702	Same	0.0688	No Trend
JMSOH	Spring1	STN	1.0000	-0.0020	No Trend	0.6922	0.0009	No Trend	0.7158	Same	0.7658	No Trend
JMSOH	Spring1	BTN	0.0470	0.0325	No Trend	0.0815	-0.0180	No Trend	0.0099	Different	0.7408	-
JMSOH	Spring1	SDIN	0.3985	-0.0083	No Trend	0.1278	0.0061	No Trend	0.0771	Same	0.4545	No Trend
JMSOH	Spring1	BDIN	0.3985	-0.0087	No Trend	0.2665	0.0041	No Trend	0.1534	Same	0.6833	No Trend
JMSOH	Spring1	STP	0.0020	0.0092	Degrading	0.0815	-0.0025	No Trend	0.0015	Different	0.7910	-
JMSOH	Spring1	BTP	<0.0001	0.0213	Degrading	0.0325	-0.0055	No Trend	<0.0001	Different	0.6192	-
JMSOH	Spring1	SPO4F	0.3750	<0.0001	No Trend	0.4555	-0.0001	No Trend	0.2522	Same	0.9171	No Trend
JMSOH	Spring1	BPO4F	0.6999	<0.0001	No Trend	0.9671	<0.0001	No Trend	0.7812	Same	0.8350	No Trend
JMSMH	Spring1	STN	0.0259	0.0295	No Trend	0.8742	-0.0009	No Trend	0.1648	Same	0.2608	No Trend
JMSMH	Spring1	BTN	0.0047	0.0379	Degrading	0.2676	-0.0079	No Trend	0.0119	Same	0.5083	No Trend
JMSMH	Spring1	SDIN	0.5465	0.0042	No Trend	0.6696	0.0021	No Trend	0.9722	Same	0.4645	No Trend
JMSMH	Spring1	BDIN	0.8078	0.0025	No Trend	0.9320	-0.0002	No Trend	0.8068	Same	0.9165	No Trend
JMSMH	Spring1	STP	<0.0001	0.0063	Degrading	0.0686	-0.0014	No Trend	0.0001	Different	0.4446	-
JMSMH	Spring1	BTP	0.0019	0.0067	Degrading	0.4761	-0.0008	No Trend	0.0201	Same	0.2589	No Trend
JMSMH	Spring1	SPO4F	0.5812	<0.0001	No Trend	0.7101	-0.0001	No Trend	0.5237	Same	1.0000	No Trend
JMSMH	Spring1	BPO4F	0.2124	<0.0001	No Trend	0.3632	-0.0002	No Trend	0.1456	Same	0.9152	No Trend

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
JMSPH	Spring1	STN	0.2528	0.0159	No Trend	0.7515	-0.0014	No Trend	0.3544	Same	0.6914	No Trend
JMSPH	Spring1	BTN	0.0536	0.0259	No Trend	0.4761	0.0051	No Trend	0.6196	Same	0.0914	No Trend
JMSPH	Spring1	SDIN	0.5393	0.0039	No Trend	0.9684	0.0001	No Trend	0.7392	Same	0.6895	No Trend
JMSPH	Spring1	BDIN	0.2453	<0.0001	No Trend	0.5523	0.0012	No Trend	0.8926	Same	0.2509	No Trend
JMSPH	Spring1	STP	0.2760	0.0010	No Trend	0.2676	-0.0006	No Trend	0.1194	Same	0.7656	No Trend
JMSPH	Spring1	BTP	0.3945	0.0011	No Trend	0.5794	-0.0003	No Trend	0.3359	Same	0.9735	No Trend
JMSPH	Spring1	SPO4F	0.6458	<0.0001	No Trend	0.4029	-0.0001	No Trend	0.6580	Same	0.3234	No Trend
JMSPH	Spring1	BPO4F	0.5136	<0.0001	No Trend	0.3805	-0.0001	No Trend	0.7082	Same	0.2615	No Trend
ELIPH	Spring1	STN	0.3471	0.0165	No Trend	0.3471	0.0165	No Trend	1.0000	Same	0.1684	No Trend
ELIPH	Spring1	BTN	0.8798	0.0044	No Trend	0.8798	0.0044	No Trend	1.0000	Same	0.7893	No Trend
ELIPH	Spring1	SDIN	0.3097	0.0054	No Trend	0.1593	0.0100	No Trend	0.8117	Same	0.0780	No Trend
ELIPH	Spring1	BDIN	0.4353	0.0029	No Trend	0.4043	0.0058	No Trend	1.0000	Same	0.2317	No Trend
ELIPH	Spring1	STP	0.7102	<0.0001	No Trend	0.7102	<0.0001	No Trend	1.0000	Same	0.5691	No Trend
ELIPH	Spring1	BTP	0.0738	0.0026	No Trend	0.0738	0.0026	No Trend	1.0000	Same	0.0101	No Trend
ELIPH	Spring1	SPO4F	0.9446	<0.0001	No Trend	0.9466	<0.0001	No Trend	1.0000	Same	0.8851	No Trend
ELIPH	Spring1	BPO4F	0.1119	<0.0001	No Trend	0.0506	-0.0007	No Trend	0.8093	Same	0.0105	No Trend
PMKTF	Spring1	STN	0.0620	0.0213	No Trend	0.0068	0.0204	Degrading	0.2783	Same	0.0009	Degrading
PMKTF	Spring1	BTN	0.3985	0.0092	No Trend	0.4819	0.0076	No Trend	1.0000	Same	0.2668	No Trend
PMKTF	Spring1	SDIN	0.1035	0.0100	No Trend	<0.0001	0.0163	Degrading	0.0131	Same	<0.0001	Degrading
PMKTF	Spring1	BDIN	0.1838	0.0084	No Trend	0.0533	0.0080	No Trend	0.4708	Same	0.0173	No Trend
PMKTF	Spring1	STP	0.0173	0.0025	No Trend	0.0400	0.0017	No Trend	0.8288	Same	0.0019	Degrading
PMKTF	Spring1	BTP	0.0014	0.0050	Degrading	0.1331	0.0021	No Trend	0.4152	Same	0.0014	Degrading
PMKTF	Spring1	SPO4F	0.2738	<0.0001	No Trend	0.0015	-0.0012	Improving	0.0238	Same	0.0008	Improving
PMKTF	Spring1	BPO4F	0.3297	<0.0001	No Trend	0.0010	-0.0010	Improving	0.0281	Same	0.0009	Improving
PMKOH	Spring1	STN	0.2062	0.0341	No Trend	0.9660	-0.0004	No Trend	0.4236	Same	0.4651	No Trend
PMKOH	Spring1	BTN	0.2270	0.0525	No Trend	0.2487	0.0315	No Trend	0.8834	Same	0.0916	No Trend
PMKOH	Spring1	SDIN	0.0589	0.0067	No Trend	0.4678	0.0030	No Trend	0.5999	Same	0.0866	No Trend
PMKOH	Spring1	BDIN	0.0606	0.0094	No Trend	0.7654	0.0018	No Trend	0.3836	Same	0.1741	No Trend
PMKOH	Spring1	STP	0.0136	0.0089	No Trend	0.9632	-0.0001	No Trend	0.1153	Same	0.1332	No Trend
PMKOH	Spring1	BTP	0.0047	0.0268	Degrading	0.9185	0.0007	No Trend	0.0729	Same	0.0513	No Trend
PMKOH	Spring1	SPO4F	0.4258	<0.0001	No Trend	0.0020	-0.0008	Improving	0.0022	Different	0.0334	-
PMKOH	Spring1	BPO4F	0.7402	<0.0001	No Trend	0.0023	-0.0009	Improving	0.0056	Different	0.0193	-
MPNTF	Spring1	STN	0.0020	0.0106	Degrading	0.1354	0.0093	No Trend	0.5529	Same	0.0024	Degrading
MPNTF	Spring1	BTN	0.5465	-0.0072	No Trend	0.3593	0.0067	No Trend	0.2584	Same	0.7631	No Trend
MPNTF	Spring1	SDIN	0.3311	0.0041	No Trend	<0.0001	0.0162	Degrading	0.0052	Different	0.0001	-
MPNTF	Spring1	BDIN	0.2528	0.0042	No Trend	0.0003	0.0143	Degrading	0.0384	Same	0.0003	Degrading
MPNTF	Spring1	STP	0.0216	0.0018	No Trend	0.7212	0.0002	No Trend	0.2771	Same	0.0956	No Trend
MPNTF	Spring1	BTP	0.0831	0.0015	No Trend	0.5622	-0.0002	No Trend	0.1185	Same	0.5174	No Trend
MPNTF	Spring1	SPO4F	0.4434	<0.0001	No Trend	0.0020	-0.0013	Improving	0.0022	Different	0.0286	-
MPNTF	Spring1	BPO4F	0.3776	<0.0001	No Trend	0.0036	-0.0010	Improving	0.0572	Same	0.0031	Improving
MPNOH	Spring1	STN	0.0219	0.0225	No Trend	0.3485	0.0138	No Trend	0.5184	Same	0.0313	No Trend
MPNOH	Spring1	BTN	0.5880	0.0167	No Trend	0.2267	-0.0098	No Trend	0.1870	Same	0.5718	No Trend
MPNOH	Spring1	SDIN	0.0219	0.0100	No Trend	0.0287	0.0111	No Trend	0.7197	Same	0.0016	Degrading
MPNOH	Spring1	BDIN	0.0254	0.0100	No Trend	0.1757	0.0097	No Trend	0.7058	Same	0.0127	No Trend
MPNOH	Spring1	STP	0.0003	0.0088	Degrading	0.8899	-0.0002	No Trend	0.0190	Same	0.0336	No Trend
MPNOH	Spring1	BTP	0.0219	0.0092	No Trend	0.1763	-0.0055	No Trend	0.0115	Same	0.6784	No Trend
MPNOH	Spring1	SPO4F	0.4877	<0.0001	No Trend	0.0057	-0.0008	Improving	0.0063	Different	0.0577	-
MPNOH	Spring1	BPO4F	1.0000	<0.0001	No Trend	0.0039	-0.0008	Improving	0.0231	Same	0.0188	No Trend

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
YRKMH	Spring1	STN	0.1169	0.0200	No Trend	0.1744	0.0093	No Trend	0.8384	Same	0.0414	No Trend
YRKMH	Spring1	BTN	0.2062	0.0229	No Trend	0.9343	0.0007	No Trend	0.4966	Same	0.4146	No Trend
YRKMH	Spring1	SDIN	0.0913	0.0109	No Trend	0.8370	0.0009	No Trend	0.4146	Same	0.2478	No Trend
YRKMH	Spring1	BDIN	0.3951	0.0055	No Trend	0.8370	0.0009	No Trend	0.7333	Same	0.4956	No Trend
YRKMH	Spring1	STP	0.0592	0.0030	No Trend	0.9316	-0.0001	No Trend	0.2330	Same	0.2926	No Trend
YRKMH	Spring1	BTP	0.5443	0.0023	No Trend	0.4397	0.0020	No Trend	0.8063	Same	0.3096	No Trend
YRKMH	Spring1	SPO4F	0.2186	<0.0001	No Trend	0.4334	-0.0003	No Trend	0.1973	Same	0.9120	No Trend
YRKMH	Spring1	BPO4F	0.6391	<0.0001	No Trend	0.7716	-0.0001	No Trend	0.6081	Same	1.0000	No Trend
YRKPH	Spring1	STN	0.0931	0.0229	No Trend	0.3228	0.0054	No Trend	0.9440	Same	0.0791	No Trend
YRKPH	Spring1	BTN	0.0268	0.0508	No Trend	0.8370	0.0013	No Trend	0.3356	Same	0.1870	No Trend
YRKPH	Spring1	SDIN	0.5745	<0.0001	No Trend	0.6045	0.0005	No Trend	0.4342	Same	0.9377	No Trend
YRKPH	Spring1	BDIN	0.3012	0.0013	No Trend	0.4425	-0.0011	No Trend	0.2228	Same	0.9117	No Trend
YRKPH	Spring1	STP	0.0033	0.0025	Degrading	0.9316	<0.0001	No Trend	0.0769	Same	0.1036	No Trend
YRKPH	Spring1	BTP	0.0326	0.0033	No Trend	0.7313	0.0002	No Trend	0.3255	Same	0.1223	No Trend
YRKPH	Spring1	SPO4F	1.0000	<0.0001	No Trend	0.9340	<0.0001	No Trend	0.9693	Same	0.9079	No Trend
YRKPH	Spring1	BPO4F	0.8333	<0.0001	No Trend	0.5619	-0.0001	No Trend	0.6716	Same	0.5123	No Trend
RPPTF	Spring1	STN	0.9495	0.0045	No Trend	0.2052	0.0082	No Trend	0.3139	Same	0.2537	No Trend
RPPTF	Spring1	BTN	0.8990	-0.0085	No Trend	0.7214	0.0037	No Trend	0.6867	Same	0.8402	No Trend
RPPTF	Spring1	SDIN	0.1452	0.0173	No Trend	0.1133	0.0108	No Trend	0.5912	Same	0.0317	No Trend
RPPTF	Spring1	BDIN	0.0423	0.0204	No Trend	0.1325	0.0085	No Trend	0.8666	Same	0.0171	No Trend
RPPTF	Spring1	STP	0.4737	0.0012	No Trend	0.6211	-0.0007	No Trend	0.4034	Same	1.0000	No Trend
RPPTF	Spring1	BTP	0.1071	0.0025	No Trend	0.3438	-0.0015	No Trend	0.0892	Same	0.9171	No Trend
RPPTF	Spring1	SPO4F	0.5992	<0.0001	No Trend	0.0065	-0.0003	Improving	0.0063	Different	0.0264	-
RPPTF	Spring1	BPO4F	0.8742	<0.0001	No Trend	0.0466	-0.0003	No Trend	0.0947	Same	0.0595	No Trend
RPPMH	Spring1	STN	0.0620	0.0201	No Trend	0.9369	0.0004	No Trend	0.3210	Same	0.2608	No Trend
RPPMH	Spring1	BTN	0.2062	0.0208	No Trend	0.8742	-0.0024	No Trend	0.3898	Same	0.5516	No Trend
RPPMH	Spring1	SDIN	0.9516	<0.0001	No Trend	0.9684	-0.0001	No Trend	0.9735	Same	0.9207	No Trend
RPPMH	Spring1	BDIN	0.3968	0.0050	No Trend	0.2676	-0.0036	No Trend	0.1543	Same	0.6667	No Trend
RPPMH	Spring1	STP	0.1425	0.0011	No Trend	0.4761	0.0005	No Trend	0.8401	Same	0.1578	No Trend
RPPMH	Spring1	BTP	0.8550	<0.0001	No Trend	0.9369	<0.0001	No Trend	0.9471	Same	0.8421	No Trend
RPPMH	Spring1	SPO4F	0.1752	<0.0001	No Trend	0.1820	0.0001	No Trend	0.1045	Same	0.3223	No Trend
RPPMH	Spring1	BPO4F		<0.0001		0.1585	0.0001	No Trend	0.1585	Same	0.1585	No Trend
RPPOH	Spring1	STN	0.5880	0.0167	No Trend	0.1444	0.0185	No Trend	0.4016	Same	0.1241	No Trend
RPPOH	Spring1	BTN	0.8567	-0.0027	No Trend	0.3450	0.0078	No Trend	0.3635	Same	0.5293	No Trend
RPPOH	Spring1	SDIN	0.5079	-0.0061	No Trend	0.5479	0.0030	No Trend	0.3635	Same	0.9443	No Trend
RPPOH	Spring1	BDIN	0.1662	-0.0160	No Trend	0.7967	0.0038	No Trend	0.2944	Same	0.5293	No Trend
RPPOH	Spring1	STP	0.3346	0.0059	No Trend	0.3682	0.0020	No Trend	0.9139	Same	0.1821	No Trend
RPPOH	Spring1	BTP	0.0907	0.0054	No Trend	0.8220	0.0003	No Trend	0.3865	Same	0.2199	No Trend
RPPOH	Spring1	SPO4F	0.1745	<0.0001	No Trend	0.3161	-0.0001	No Trend	0.7834	Same	0.1256	No Trend
RPPOH	Spring1	BPO4F	0.2317	<0.0001	No Trend	0.2111	-0.0003	No Trend	0.5899	Same	0.0903	No Trend
CRRMH	Spring1	STN	0.5667	0.0133	No Trend	0.9684	0.0003	No Trend	0.7815	Same	0.7288	No Trend
CRRMH	Spring1	BTN	0.1521	0.0200	No Trend	1.0000	0.0001	No Trend	0.4669	Same	0.4669	No Trend
CRRMH	Spring1	SDIN	0.1621	-0.0046	No Trend	0.9641	<0.0001	No Trend	0.4658	Same	0.4202	No Trend
CRRMH	Spring1	BDIN	0.9419	<0.0001	No Trend	0.5734	-0.0007	No Trend	0.6821	Same	0.5765	No Trend
CRRMH	Spring1	STP	0.0442	0.0011	No Trend	1.0000	<0.0001	No Trend	0.2555	Same	0.2555	No Trend
CRRMH	Spring1	BTP	0.4968	0.0003	No Trend	0.2665	-0.0007	No Trend	0.1816	Same	0.6074	No Trend
CRRMH	Spring1	SPO4F	0.1752	<0.0001	No Trend	0.4174	<0.0001	No Trend	0.2605	Same	0.6466	No Trend
CRRMH	Spring1	BPO4F	0.1640	<0.0001	No Trend	0.3736	<0.0001	No Trend	0.1760	Same	0.7502	No Trend

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
APPTF	Spring2	STN	0.0860	-0.0149	No Trend	0.0509	0.0110	No Trend	0.0086	Different	0.5993	-
APPTF	Spring2	BTN	0.1835	-0.0188	No Trend	0.1809	0.0095	No Trend	0.0579	Same	0.7705	No Trend
APPTF	Spring2	SDIN	0.5249	0.0042	No Trend	0.5002	0.0064	No Trend	0.8833	Same	0.3399	No Trend
APPTF	Spring2	BDIN	0.4103	0.0050	No Trend	0.3682	0.0060	No Trend	0.8258	Same	0.2124	No Trend
APPTF	Spring2	STP	0.1097	-0.0038	No Trend	0.6065	-0.0008	No Trend	0.6177	Same	0.1756	No Trend
APPTF	Spring2	BTP	0.1945	-0.0021	No Trend	0.7313	-0.0006	No Trend	0.6417	Same	0.2992	No Trend
APPTF	Spring2	SPO4F	0.1747	-0.0004	No Trend	0.3609	-0.0001	No Trend	0.9704	Same	0.1277	No Trend
APPTF	Spring2	BPO4F	0.0791	-0.0017	No Trend	0.3396	-0.0002	No Trend	0.8826	Same	0.0763	No Trend
JMSTF2	Spring2	STN	0.0047	-0.0567	Improving	0.1172	0.0135	No Trend	0.0034	Different	0.7338	-
JMSTF2	Spring2	BTN	<0.0001	-0.1168	Improving	0.1083	0.0197	No Trend	0.0001	Different	0.1893	-
JMSTF2	Spring2	SDIN	0.0351	-0.0238	No Trend	0.0478	0.0115	No Trend	0.0044	Different	0.6433	-
JMSTF2	Spring2	BDIN	0.0010	-0.0592	Improving	0.0529	0.0147	No Trend	0.0006	Different	0.8358	-
JMSTF2	Spring2	STP	0.0001	-0.0119	Improving	0.7515	0.0005	No Trend	0.0155	Same	0.0589	No Trend
JMSTF2	Spring2	BTP	<0.0001	-0.0189	Improving	0.9017	-0.0005	No Trend	0.0171	Same	0.0096	Improving
JMSTF2	Spring2	SPO4F	<0.0001	-0.0108	Improving	0.1223	-0.0010	No Trend	0.3205	Same	0.0003	Improving
JMSTF2	Spring2	BPO4F	<0.0001	-0.0163	Improving	0.0693	-0.0013	No Trend	0.3156	Same	0.0001	Improving
JMSTF1	Spring2	STN	0.2054	-0.0142	No Trend	0.1133	-0.0127	No Trend	0.5514	Same	0.0402	No Trend
JMSTF1	Spring2	BTN	0.1134	-0.0288	No Trend	0.0043	-0.0318	Improving	0.1471	Same	0.0010	Improving
JMSTF1	Spring2	SDIN	0.2054	-0.0146	No Trend	0.2349	0.0091	No Trend	0.0853	Same	0.7912	No Trend
JMSTF1	Spring2	BDIN	0.1835	-0.0171	No Trend	0.5926	0.0053	No Trend	0.2271	Same	0.7561	No Trend
JMSTF1	Spring2	STP	0.4219	-0.0004	No Trend	0.4285	-0.0011	No Trend	0.8415	Same	0.2571	No Trend
JMSTF1	Spring2	BTP	0.2505	0.0023	No Trend	0.0009	-0.0059	Improving	0.0005	Different	0.0320	-
JMSTF1	Spring2	SPO4F	0.2399	-0.0013	No Trend	0.7789	<0.0001	No Trend	0.3635	Same	0.6618	No Trend
JMSTF1	Spring2	BPO4F	0.2567	-0.0004	No Trend	1.0000	<0.0001	No Trend	0.5264	Same	0.5264	No Trend
CHKOH	Spring2	STN	0.0064	-0.0550	Improving	0.4922	-0.0037	No Trend	0.6895	Same	0.0934	No Trend
CHKOH	Spring2	BTN	0.1289	-0.0540	No Trend	0.2020	-0.0157	No Trend	0.5381	Same	0.0767	No Trend
CHKOH	Spring2	SDIN	0.8283	-0.0050	No Trend	0.0072	0.0064	Degrading	0.0086	Different	0.0167	-
CHKOH	Spring2	BDIN	0.8262	-0.0025	No Trend	0.1617	0.0049	No Trend	0.1534	Same	0.2293	No Trend
CHKOH	Spring2	STP	0.4865	<0.0001	No Trend	0.6065	-0.0005	No Trend	0.4443	Same	0.8405	No Trend
CHKOH	Spring2	BTP	0.5102	0.0033	No Trend	0.0437	-0.0043	No Trend	0.0309	Same	0.1055	No Trend
CHKOH	Spring2	SPO4F	0.1148	<0.0001	No Trend	0.0655	-0.0003	No Trend	0.1985	Same	0.0244	No Trend
CHKOH	Spring2	BPO4F	0.0084	-0.0013	Improving	0.0834	-0.0002	No Trend	0.3970	Same	0.0137	No Trend
JMSOH	Spring2	STN	0.8567	-0.0105	No Trend	0.8370	0.0012	No Trend	0.7598	Same	0.9729	No Trend
JMSOH	Spring2	BTN	0.1324	0.0300	No Trend	0.0768	-0.0191	No Trend	0.0191	Same	0.5636	No Trend
JMSOH	Spring2	SDIN	0.2777	-0.0113	No Trend	0.0574	0.0084	No Trend	0.0266	Same	0.3372	No Trend
JMSOH	Spring2	BDIN	0.6295	-0.0062	No Trend	0.1133	0.0067	No Trend	0.1049	Same	0.3049	No Trend
JMSOH	Spring2	STP	0.0090	0.0071	Degrading	0.2505	-0.0012	No Trend	0.0154	Same	0.6187	No Trend
JMSOH	Spring2	BTP	0.0037	0.0150	Degrading	0.0044	-0.0073	Improving	0.0001	Different	0.4460	-
JMSOH	Spring2	SPO4F	0.0652	0.0008	No Trend	0.7807	<0.0001	No Trend	0.2121	Same	0.4380	No Trend
JMSOH	Spring2	BPO4F	0.6549	<0.0001	No Trend	0.5517	0.0001	No Trend	0.8135	Same	0.4382	No Trend
JMSMH	Spring2	STN	0.0047	0.0304	Degrading	0.2052	0.0042	No Trend	0.5966	Same	0.0081	Degrading
JMSMH	Spring2	BTN	0.0009	0.0350	Degrading	0.6347	-0.0029	No Trend	0.0245	Same	0.1456	No Trend
JMSMH	Spring2	SDIN	0.1846	0.0085	No Trend	0.9054	-0.0003	No Trend	0.3893	Same	0.5078	No Trend
JMSMH	Spring2	BDIN	0.1619	0.0104	No Trend	0.5794	-0.0017	No Trend	0.2074	Same	0.7400	No Trend
JMSMH	Spring2	STP	0.0001	0.0050	Degrading	0.3838	-0.0006	No Trend	0.0043	Different	0.1629	-
JMSMH	Spring2	BTP	0.0008	0.0050	Degrading	0.8122	0.0003	No Trend	0.0972	Same	0.0397	No Trend
JMSMH	Spring2	SPO4F	0.0379	0.0015	No Trend	0.6339	-0.0002	No Trend	0.1226	Same	0.4603	No Trend
JMSMH	Spring2	BPO4F	0.0075	0.0015	Degrading	0.6059	-0.0002	No Trend	0.0593	Same	0.3124	No Trend

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
JMSPH	Spring2	STN	0.7634	0.0031	No Trend	0.5794	-0.0016	No Trend	0.5083	Same	0.7913	No Trend
JMSPH	Spring2	BTN	0.2528	0.0130	No Trend	0.2349	0.0061	No Trend	0.7408	Same	0.0982	No Trend
JMSPH	Spring2	SDIN	0.3960	0.0047	No Trend	0.8122	-0.0003	No Trend	0.4863	Same	0.7654	No Trend
JMSPH	Spring2	BDIN	0.3235	0.0009	No Trend	0.4761	0.0013	No Trend	0.9734	Same	0.2435	No Trend
JMSPH	Spring2	STP	0.3329	0.0006	No Trend	0.1325	-0.0007	No Trend	0.0684	Same	0.4866	No Trend
JMSPH	Spring2	BTP	0.7626	0.0005	No Trend	0.3033	-0.0004	No Trend	0.2893	Same	0.5078	No Trend
JMSPH	Spring2	SPO4F	1.0000	<0.0001	No Trend	0.8113	<0.0001	No Trend	0.8397	Same	0.8397	No Trend
JMSPH	Spring2	BPO4F	0.7049	<0.0001	No Trend	0.7506	0.0001	No Trend	0.6140	Same	0.9732	No Trend
ELIPH	Spring2	STN	0.4192	0.0140	No Trend	0.4192	0.0140	No Trend	1.0000	Same	0.2340	No Trend
ELIPH	Spring2	BTN	0.3643	0.0150	No Trend	0.3643	0.0150	No Trend	1.0000	Same	0.1814	No Trend
ELIPH	Spring2	SDIN	0.4202	0.0025	No Trend	0.5464	0.0033	No Trend	0.9244	Same	0.2966	No Trend
ELIPH	Spring2	BDIN	0.2527	0.0057	No Trend	0.1712	0.0079	No Trend	0.9143	Same	0.0672	No Trend
ELIPH	Spring2	STP	0.4906	<0.0001	No Trend	0.4906	<0.0001	No Trend	1.0000	Same	0.3081	No Trend
ELIPH	Spring2	BTP	0.0646	0.0019	No Trend	0.0646	0.0019	No Trend	1.0000	Same	0.0079	Degrading
ELIPH	Spring2	SPO4F	0.5268	<0.0001	No Trend	0.5268	<0.0001	No Trend	1.0000	Same	0.3473	No Trend
ELIPH	Spring2	BPO4F	1.0000	<0.0001	No Trend	1.0000	<0.0001	No Trend	1.0000	Same	0.9621	No Trend
PMKTF	Spring2	STN	0.2777	0.0067	No Trend	0.0028	0.0255	Degrading	0.0848	Same	0.0020	Degrading
PMKTF	Spring2	BTN	0.8094	0.0021	No Trend	0.0690	0.0131	No Trend	0.2228	Same	0.1096	No Trend
PMKTF	Spring2	SDIN	0.0809	0.0100	No Trend	0.0004	0.0160	Degrading	0.0472	Same	0.0001	Degrading
PMKTF	Spring2	BDIN	0.1471	0.0100	No Trend	0.0860	0.0082	No Trend	0.5997	Same	0.0229	No Trend
PMKTF	Spring2	STP	0.0326	0.0025	No Trend	0.0964	0.0014	No Trend	0.9165	Same	0.0088	Degrading
PMKTF	Spring2	BTP	0.0064	0.0039	Degrading	0.5030	0.0011	No Trend	0.2651	Same	0.0283	No Trend
PMKTF	Spring2	SPO4F	0.0329	-0.0003	No Trend	0.0019	-0.0013	Improving	0.1026	Same	0.0002	Improving
PMKTF	Spring2	BPO4F	0.4042	<0.0001	No Trend	0.0005	-0.0012	Improving	0.0127	Same	0.0006	Improving
PMKOH	Spring2	STN	0.0616	0.0408	No Trend	0.3269	-0.0115	No Trend	0.0556	Same	0.7541	No Trend
PMKOH	Spring2	BTN	0.3035	0.0451	No Trend	0.4397	0.0161	No Trend	1.0000	Same	0.2075	No Trend
PMKOH	Spring2	SDIN	0.0208	0.0115	No Trend	0.7106	0.0013	No Trend	0.3059	Same	0.1014	No Trend
PMKOH	Spring2	BDIN	0.1016	0.0100	No Trend	0.9017	0.0004	No Trend	0.3946	Same	0.2911	No Trend
PMKOH	Spring2	STP	0.1012	0.0055	No Trend	0.0860	-0.0034	No Trend	0.0172	Same	0.6740	No Trend
PMKOH	Spring2	BTP	0.0291	0.0200	No Trend	0.5323	-0.0043	No Trend	0.0670	Same	0.4087	No Trend
PMKOH	Spring2	SPO4F	0.3717	<0.0001	No Trend	0.0291	-0.0008	No Trend	0.0183	Same	0.1777	No Trend
PMKOH	Spring2	BPO4F	1.0000	<0.0001	No Trend	0.0152	-0.0007	No Trend	0.0385	Same	0.0325	No Trend
MPNTF	Spring2	STN	0.0090	0.0125	Degrading	0.1350	0.0106	No Trend	0.7218	Same	0.0055	Degrading
MPNTF	Spring2	BTN	0.1846	-0.0173	No Trend	0.5769	0.0038	No Trend	0.1975	Same	0.6855	No Trend
MPNTF	Spring2	SDIN	0.0389	0.0085	No Trend	0.0004	0.0152	Degrading	0.0681	Same	<0.0001	Degrading
MPNTF	Spring2	BDIN	0.3346	0.0047	No Trend	0.0025	0.0114	Degrading	0.0602	Same	0.0022	Degrading
MPNTF	Spring2	STP	0.0201	0.0015	No Trend	0.5192	0.0003	No Trend	0.4147	Same	0.0601	No Trend
MPNTF	Spring2	BTP	0.7117	<0.0001	No Trend	0.7544	-0.0002	No Trend	0.6126	Same	1.0000	No Trend
MPNTF	Spring2	SPO4F	0.3126	<0.0001	No Trend	0.0007	-0.0018	Improving	0.0005	Different	0.0182	-
MPNTF	Spring2	BPO4F	0.2459	<0.0001	No Trend	0.0028	-0.0016	Improving	0.0696	Same	0.0015	Improving
MPNOH	Spring2	STN	0.0080	0.0254	Degrading	0.0695	0.0168	No Trend	0.8250	Same	0.0020	Degrading
MPNOH	Spring2	BTN	0.3062	0.0248	No Trend	0.3110	-0.0070	No Trend	0.1421	Same	0.9101	No Trend
MPNOH	Spring2	SDIN	0.0068	0.0111	Degrading	0.2156	0.0054	No Trend	0.5538	Same	0.0090	Degrading
MPNOH	Spring2	BDIN	0.0133	0.0100	No Trend	0.3330	0.0040	No Trend	0.4768	Same	0.0228	No Trend
MPNOH	Spring2	STP	0.0001	0.0079	Degrading	0.7250	0.0009	No Trend	0.0465	Same	0.0105	No Trend
MPNOH	Spring2	BTP	0.0296	0.0092	No Trend	0.6283	-0.0023	No Trend	0.0877	Same	0.3550	No Trend
MPNOH	Spring2	SPO4F	0.6523	<0.0001	No Trend	0.0356	-0.0008	No Trend	0.0419	Same	0.1434	No Trend
MPNOH	Spring2	BPO4F	0.6126	<0.0001	No Trend	0.0379	-0.0007	No Trend	0.0425	Same	0.1686	No Trend

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
YRKMH	Spring2	STN	0.0133	0.0288	No Trend	0.3438	0.0047	No Trend	0.5181	Same	0.0270	No Trend
YRKMH	Spring2	BTN	0.0620	0.0268	No Trend	0.4334	-0.0120	No Trend	0.0828	Same	0.6584	No Trend
YRKMH	Spring2	SDIN	0.5866	0.0044	No Trend	0.5795	0.0018	No Trend	0.9168	Same	0.4231	No Trend
YRKMH	Spring2	BDIN	0.4652	0.0033	No Trend	0.9660	0.0004	No Trend	0.6752	Same	0.6250	No Trend
YRKMH	Spring2	STP	0.0174	0.0037	No Trend	0.3438	-0.0014	No Trend	0.0316	Same	0.5620	No Trend
YRKMH	Spring2	BTP	0.5423	0.0025	No Trend	0.7733	-0.0010	No Trend	0.5393	Same	0.8915	No Trend
YRKMH	Spring2	SPO4F	0.2731	<0.0001	No Trend	0.7210	-0.0001	No Trend	0.3833	Same	0.8072	No Trend
YRKMH	Spring2	BPO4F	0.1651	<0.0001	No Trend	0.7198	-0.0001	No Trend	0.3102	Same	0.7003	No Trend
YRKPH	Spring2	STN	0.0260	0.0287	No Trend	0.2020	0.0052	No Trend	0.8628	Same	0.0206	No Trend
YRKPH	Spring2	BTN	0.0021	0.0588	Degrading	0.8691	0.0008	No Trend	0.1535	Same	0.0867	No Trend
YRKPH	Spring2	SDIN	0.4285	0.0023	No Trend	0.9282	<0.0001	No Trend	0.5766	Same	0.6822	No Trend
YRKPH	Spring2	BDIN	0.0606	0.0068	No Trend	0.6065	-0.0018	No Trend	0.1648	Same	0.6268	No Trend
YRKPH	Spring2	STP	0.0002	0.0033	Degrading	0.2326	-0.0007	No Trend	0.0022	Different	0.2866	-
YRKPH	Spring2	BTP	0.0076	0.0035	Degrading	0.7733	-0.0005	No Trend	0.0766	Same	0.1957	No Trend
YRKPH	Spring2	SPO4F	0.3582	<0.0001	No Trend	0.8418	<0.0001	No Trend	0.8010	Same	0.5404	No Trend
YRKPH	Spring2	BPO4F	0.6762	<0.0001	No Trend	0.4992	-0.0002	No Trend	0.4091	Same	0.6930	No Trend
RPPTF	Spring2	STN	0.9520	0.0045	No Trend	0.1783	0.0085	No Trend	0.2898	Same	0.2337	No Trend
RPPTF	Spring2	BTN	0.5465	-0.0156	No Trend	0.7214	0.0040	No Trend	0.5078	Same	0.9472	No Trend
RPPTF	Spring2	SDIN	0.1662	0.0175	No Trend	0.2676	0.0093	No Trend	0.8947	Same	0.0854	No Trend
RPPTF	Spring2	BDIN	0.0704	0.0194	No Trend	0.3420	0.0074	No Trend	0.8168	Same	0.0687	No Trend
RPPTF	Spring2	STP	0.2676	0.0009	No Trend	0.3866	-0.0008	No Trend	0.1706	Same	0.9454	No Trend
RPPTF	Spring2	BTP	0.1429	0.0025	No Trend	0.4100	-0.0013	No Trend	0.1244	Same	0.8644	No Trend
RPPTF	Spring2	SPO4F	0.2490	<0.0001	No Trend	0.0370	-0.0003	No Trend	0.0156	Same	0.2005	No Trend
RPPTF	Spring2	BPO4F	0.6045	<0.0001	No Trend	0.0378	-0.0003	No Trend	0.0349	Same	0.1220	No Trend
RPPMH	Spring2	STN	0.0026	0.0255	Degrading	0.6347	0.0051	No Trend	0.1968	Same	0.0371	No Trend
RPPMH	Spring2	BTN	0.0021	0.0349	Degrading	0.8122	0.0019	No Trend	0.1281	Same	0.0551	No Trend
RPPMH	Spring2	SDIN	0.6682	<0.0001	No Trend	0.7511	0.0005	No Trend	0.5943	Same	1.0000	No Trend
RPPMH	Spring2	BDIN	0.5866	0.0047	No Trend	0.3621	-0.0032	No Trend	0.2742	Same	0.6667	No Trend
RPPMH	Spring2	STP	0.1051	0.0011	No Trend	1.0000	<0.0001	No Trend	0.3797	Same	0.3797	No Trend
RPPMH	Spring2	BTP	0.6227	0.0003	No Trend	0.3420	-0.0007	No Trend	0.2720	Same	0.6175	No Trend
RPPMH	Spring2	SPO4F	0.1752	<0.0001	No Trend	0.2256	0.0001	No Trend	0.1330	Same	0.3844	No Trend
RPPMH	Spring2	BPO4F		<0.0001		0.7474	<0.0001	No Trend	0.7474	Same	0.7474	No Trend
RPPOH	Spring2	STN	0.0470	0.0377	No Trend	0.1497	0.0156	No Trend	0.9729	Same	0.0191	No Trend
RPPOH	Spring2	BTN	0.2062	0.0292	No Trend	0.3035	0.0117	No Trend	0.9188	Same	0.1103	No Trend
RPPOH	Spring2	SDIN	0.3985	0.0104	No Trend	0.2665	0.0071	No Trend	0.6833	Same	0.1534	No Trend
RPPOH	Spring2	BDIN	1.0000	0.0004	No Trend	0.7111	0.0040	No Trend	0.7598	Same	0.7598	No Trend
RPPOH	Spring2	STP	0.0620	0.0100	No Trend	0.9315	<0.0001	No Trend	0.2341	Same	0.2938	No Trend
RPPOH	Spring2	BTP	0.0901	0.0042	No Trend	0.7310	0.0004	No Trend	0.4619	Same	0.1949	No Trend
RPPOH	Spring2	SPO4F	0.4671	<0.0001	No Trend	0.3355	-0.0002	No Trend	0.5944	Same	0.2236	No Trend
RPPOH	Spring2	BPO4F	0.3071	<0.0001	No Trend	0.1832	-0.0003	No Trend	0.4477	Same	0.0949	No Trend
CRRMH	Spring2	STN	0.1593	0.0225	No Trend	0.6507	0.0025	No Trend	0.6997	Same	0.2471	No Trend
CRRMH	Spring2	BTN	0.2519	0.0168	No Trend	0.7111	0.0020	No Trend	0.7753	Same	0.3535	No Trend
CRRMH	Spring2	SDIN	0.0220	-0.0061	No Trend	0.6936	-0.0001	No Trend	0.2964	Same	0.0916	No Trend
CRRMH	Spring2	BDIN	0.7734	-0.0013	No Trend	0.3429	-0.0010	No Trend	0.5405	Same	0.3199	No Trend
CRRMH	Spring2	STP	0.2122	0.0008	No Trend	0.5471	-0.0003	No Trend	0.2153	Same	0.8043	No Trend
CRRMH	Spring2	BTP	0.4616	0.0007	No Trend	0.5479	-0.0003	No Trend	0.3423	Same	0.9719	No Trend
CRRMH	Spring2	SPO4F	0.1752	<0.0001	No Trend	0.7548	<0.0001	No Trend	0.9653	Same	0.5143	No Trend
CRRMH	Spring2	BPO4F	0.0466	<0.0001	No Trend	0.8253	<0.0001	No Trend	0.2941	Same	0.5185	No Trend

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
APPTF	Summer1	STN	0.0759	-0.0423	No Trend	0.9135	-0.0014	No Trend	0.3411	Same	0.2583	No Trend
APPTF	Summer1	BTN	0.0854	-0.0346	No Trend	0.4915	-0.0063	No Trend	0.6556	Same	0.1150	No Trend
APPTF	Summer1	SDIN	0.5997	-0.0044	No Trend	0.4857	-0.0049	No Trend	0.8273	Same	0.3661	No Trend
APPTF	Summer1	BDIN	0.2730	-0.0083	No Trend	0.5003	-0.0050	No Trend	0.9031	Same	0.2236	No Trend
APPTF	Summer1	STP	0.9162	<0.0001	No Trend	0.7315	-0.0004	No Trend	0.8406	Same	0.7087	No Trend
APPTF	Summer1	BTP	0.1255	0.0028	No Trend	0.3727	-0.0017	No Trend	0.1073	Same	0.9084	No Trend
APPTF	Summer1	SPO4F	0.1516	<0.0001	No Trend	0.6287	-0.0001	No Trend	0.7225	Same	0.2365	No Trend
APPTF	Summer1	BPO4F	0.0325	-0.0013	No Trend	0.5571	-0.0001	No Trend	0.5172	Same	0.0993	No Trend
JMSTF2	Summer1	STN	0.0006	-0.0725	Improving	0.1107	0.0186	No Trend	0.0011	Different	0.5469	-
JMSTF2	Summer1	BTN	<0.0001	-0.1390	Improving	0.0465	0.0162	No Trend	<0.0001	Different	0.3294	-
JMSTF2	Summer1	SDIN	0.0041	-0.0318	Improving	0.6905	0.0030	No Trend	0.0505	Same	0.1957	No Trend
JMSTF2	Summer1	BDIN	<0.0001	-0.0683	Improving	0.6905	0.0042	No Trend	0.0096	Different	0.0550	-
JMSTF2	Summer1	STP	0.0002	-0.0155	Improving	0.3727	0.0010	No Trend	0.0054	Different	0.1963	-
JMSTF2	Summer1	BTP	<0.0001	-0.0227	Improving	0.1702	0.0022	No Trend	0.0004	Different	0.2230	-
JMSTF2	Summer1	SPO4F	0.0001	-0.0131	Improving	0.0592	-0.0011	No Trend	0.5662	Same	0.0002	Improving
JMSTF2	Summer1	BPO4F	<0.0001	-0.0191	Improving	0.0356	-0.0013	No Trend	0.6211	Same	0.0001	Improving
JMSTF1	Summer1	STN	0.1593	-0.0311	No Trend	0.0550	-0.0131	No Trend	0.4573	Same	0.0160	No Trend
JMSTF1	Summer1	BTN	0.5664	-0.0179	No Trend	0.0009	-0.0307	Improving	0.0220	Same	0.0024	Improving
JMSTF1	Summer1	SDIN	0.0021	-0.0300	Improving	0.5871	0.0084	No Trend	0.0257	Same	0.1807	No Trend
JMSTF1	Summer1	BDIN	0.0015	-0.0354	Improving	0.5658	0.0077	No Trend	0.0175	Same	0.1470	No Trend
JMSTF1	Summer1	STP	0.0259	0.0037	No Trend	0.1596	-0.0018	No Trend	0.0155	Same	0.9541	No Trend
JMSTF1	Summer1	BTP	0.0002	0.0078	Degrading	0.0032	-0.0071	Improving	<0.0001	Different	0.8110	-
JMSTF1	Summer1	SPO4F	0.2344	-0.0007	No Trend	0.7557	<0.0001	No Trend	0.3514	Same	0.6835	No Trend
JMSTF1	Summer1	BPO4F	0.3439	<0.0001	No Trend	0.8259	<0.0001	No Trend	0.7133	Same	0.4624	No Trend
CHKOH	Summer1	STN	0.2220	-0.0438	No Trend	0.4772	-0.0034	No Trend	0.8620	Same	0.2514	No Trend
CHKOH	Summer1	BTN	0.5071	-0.0350	No Trend	0.4108	-0.0066	No Trend	0.6263	Same	0.2968	No Trend
CHKOH	Summer1	SDIN	0.5538	<0.0001	No Trend	0.0476	0.0012	No Trend	0.0355	Same	0.0953	No Trend
CHKOH	Summer1	BDIN	0.5135	<0.0001	No Trend	0.0611	0.0013	No Trend	0.0436	Same	0.1258	No Trend
CHKOH	Summer1	STP	0.1594	0.0018	No Trend	0.0663	-0.0016	No Trend	0.0256	Same	0.2177	No Trend
CHKOH	Summer1	BTP	0.2972	0.0094	No Trend	0.0443	-0.0046	No Trend	0.0225	Same	0.1367	No Trend
CHKOH	Summer1	SPO4F	0.7165	<0.0001	No Trend	0.8350	<0.0001	No Trend	0.7589	Same	0.9185	No Trend
CHKOH	Summer1	BPO4F	0.7822	<0.0001	No Trend	0.9171	<0.0001	No Trend	1.0000	Same	0.8400	No Trend
JMSOH	Summer1	STN	0.4324	-0.0050	No Trend	0.5966	0.0029	No Trend	0.3644	Same	0.9767	No Trend
JMSOH	Summer1	BTN	0.2305	0.0213	No Trend	0.7240	0.0058	No Trend	0.6823	Same	0.3202	No Trend
JMSOH	Summer1	SDIN	0.0027	-0.0187	Improving	0.4885	0.0034	No Trend	0.0182	Same	0.2139	No Trend
JMSOH	Summer1	BDIN	0.0041	-0.0172	Improving	0.7289	0.0012	No Trend	0.0441	Same	0.1455	No Trend
JMSOH	Summer1	STP	0.0022	0.0058	Degrading	0.3543	0.0008	No Trend	0.3576	Same	0.0134	No Trend
JMSOH	Summer1	BTP	0.0048	0.0079	Degrading	0.7317	-0.0009	No Trend	0.0625	Same	0.1972	No Trend
JMSOH	Summer1	SPO4F	0.0316	0.0010	No Trend	0.4919	0.0002	No Trend	0.5432	Same	0.0774	No Trend
JMSOH	Summer1	BPO4F	0.1324	0.0008	No Trend	0.8633	<0.0001	No Trend	0.4865	Same	0.3242	No Trend
JMSMH	Summer1	STN	0.5988	0.0050	No Trend	0.3061	0.0044	No Trend	0.5660	Same	0.2387	No Trend
JMSMH	Summer1	BTN	0.0473	0.0163	No Trend	0.5486	0.0032	No Trend	0.5868	Same	0.1164	No Trend
JMSMH	Summer1	SDIN	0.8145	-0.0006	No Trend	0.4475	0.0026	No Trend	0.4279	Same	0.6437	No Trend
JMSMH	Summer1	BDIN	0.8594	<0.0001	No Trend	0.3895	0.0026	No Trend	0.3935	Same	0.5482	No Trend
JMSMH	Summer1	STP	0.0012	0.0038	Degrading	0.5833	0.0004	No Trend	0.1855	Same	0.0248	No Trend
JMSMH	Summer1	BTP	0.0002	0.0050	Degrading	0.7059	0.0002	No Trend	0.0794	Same	0.0170	No Trend
JMSMH	Summer1	SPO4F	0.0068	0.0025	Degrading	0.2165	0.0005	No Trend	0.6446	Same	0.0112	No Trend
JMSMH	Summer1	BPO4F	0.0157	0.0023	No Trend	0.1218	0.0005	No Trend	1.0000	Same	0.0087	Degrading

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
JMSPH	Summer1	STN	0.7152	0.0015	No Trend	0.5369	0.0010	No Trend	0.7744	Same	0.4562	No Trend
JMSPH	Summer1	BTN	0.7152	-0.0049	No Trend	0.0719	0.0049	No Trend	0.0847	Same	0.2089	No Trend
JMSPH	Summer1	SDIN	0.8323	<0.0001	No Trend	0.0008	0.0032	Degrading	0.0030	Different	0.0074	-
JMSPH	Summer1	BDIN	0.9578	<0.0001	No Trend	0.0467	0.0025	No Trend	0.0843	Same	0.1071	No Trend
JMSPH	Summer1	STP	0.7535	0.0001	No Trend	0.6312	0.0001	No Trend	0.8409	Same	0.5470	No Trend
JMSPH	Summer1	BTP	0.3755	0.0009	No Trend	0.0505	-0.0009	No Trend	0.0316	Same	0.2637	No Trend
JMSPH	Summer1	SPO4F	0.9161	<0.0001	No Trend	0.4288	0.0003	No Trend	0.4539	Same	0.5646	No Trend
JMSPH	Summer1	BPO4F	0.7938	0.0003	No Trend	0.7315	-0.0002	No Trend	0.6463	Same	0.9087	No Trend
ELIPH	Summer1	STN	1.0000	0.0040	No Trend	1.0000	0.0040	No Trend	1.0000	Same	0.9654	No Trend
ELIPH	Summer1	BTN	0.7130	0.0050	No Trend	0.7130	0.0050	No Trend	1.0000	Same	0.5730	No Trend
ELIPH	Summer1	SDIN	0.9022	0.0002	No Trend	1.0000	<0.0001	No Trend	0.9308	Same	0.9308	No Trend
ELIPH	Summer1	BDIN	0.8541	0.0002	No Trend	0.8541	0.0023	No Trend	1.0000	Same	0.7615	No Trend
ELIPH	Summer1	STP	0.7860	<0.0001	No Trend	0.7860	<0.0001	No Trend	1.0000	Same	0.6727	No Trend
ELIPH	Summer1	BTP	0.8744	<0.0001	No Trend	0.8744	<0.0001	No Trend	1.0000	Same	0.7943	No Trend
ELIPH	Summer1	SPO4F	0.7469	<0.0001	No Trend	0.7469	<0.0001	No Trend	1.0000	Same	0.6210	No Trend
ELIPH	Summer1	BPO4F	0.4892	0.0001	No Trend	0.4892	0.0001	No Trend	1.0000	Same	0.3098	No Trend
PMKTF	Summer1	STN	0.1907	-0.0109	No Trend	0.5061	0.0039	No Trend	0.1716	Same	0.7448	No Trend
PMKTF	Summer1	BTN	0.7944	-0.0050	No Trend	0.7961	-0.0011	No Trend	1.0000	Same	0.6903	No Trend
PMKTF	Summer1	SDIN	0.6754	-0.0071	No Trend	0.1883	0.0090	No Trend	0.1791	Same	0.4273	No Trend
PMKTF	Summer1	BDIN	0.6762	-0.0050	No Trend	0.2756	0.0060	No Trend	0.2464	Same	0.5418	No Trend
PMKTF	Summer1	STP	0.1543	0.0023	No Trend	0.7863	0.0001	No Trend	0.5121	Same	0.2745	No Trend
PMKTF	Summer1	BTP	0.0455	0.0050	No Trend	0.1522	-0.0016	No Trend	0.0178	Same	0.9503	No Trend
PMKTF	Summer1	SPO4F	0.0174	-0.0010	No Trend	0.0078	-0.0010	Improving	0.3732	Same	0.0004	Improving
PMKTF	Summer1	BPO4F	0.1239	-0.0008	No Trend	0.0025	-0.0010	Improving	0.1015	Same	0.0007	Improving
PMKOH	Summer1	STN	0.0004	0.0300	Degrading	0.3254	-0.0096	No Trend	0.0028	Different	0.1489	-
PMKOH	Summer1	BTN	0.0130	0.0497	No Trend	0.4329	-0.0085	No Trend	0.0330	Same	0.3863	No Trend
PMKOH	Summer1	SDIN	0.8273	<0.0001	No Trend	0.7647	-0.0008	No Trend	0.9463	Same	0.6864	No Trend
PMKOH	Summer1	BDIN	0.6917	-0.0030	No Trend	0.8056	0.0006	No Trend	0.6419	Same	0.9470	No Trend
PMKOH	Summer1	STP	0.1402	0.0050	No Trend	0.0668	-0.0034	No Trend	0.0173	Same	0.5418	No Trend
PMKOH	Summer1	BTP	0.2764	0.0104	No Trend	0.8564	-0.0006	No Trend	0.4332	Same	0.6296	No Trend
PMKOH	Summer1	SPO4F	0.0017	0.0017	Degrading	0.2457	0.0004	No Trend	0.4158	Same	0.0061	Degrading
PMKOH	Summer1	BPO4F	0.1393	0.0010	No Trend	0.3827	0.0003	No Trend	0.9506	Same	0.1214	No Trend
MPNTF	Summer1	STN	0.0602	-0.0213	No Trend	0.9235	-0.0015	No Trend	0.2162	Same	0.1682	No Trend
MPNTF	Summer1	BTN	0.0929	-0.0133	No Trend	0.4315	-0.0025	No Trend	0.5976	Same	0.0846	No Trend
MPNTF	Summer1	SDIN	0.5311	0.0032	No Trend	0.1411	0.0058	No Trend	0.4368	Same	0.1127	No Trend
MPNTF	Summer1	BDIN	0.9133	<0.0001	No Trend	0.2449	0.0049	No Trend	0.2974	Same	0.3939	No Trend
MPNTF	Summer1	STP	0.0674	0.0014	No Trend	0.2128	-0.0009	No Trend	0.0336	Same	0.8975	No Trend
MPNTF	Summer1	BTP	0.6217	0.0009	No Trend	0.2279	-0.0011	No Trend	0.1948	Same	0.5168	No Trend
MPNTF	Summer1	SPO4F	0.7780	<0.0001	No Trend	0.0004	-0.0020	Improving	0.0019	Different	0.0066	-
MPNTF	Summer1	BPO4F	0.2060	<0.0001	No Trend	0.0005	-0.0024	Improving	0.0310	Same	0.0003	Improving
MPNOH	Summer1	STN	0.0017	0.0300	Degrading	0.8530	0.0020	No Trend	0.0528	Same	0.0265	No Trend
MPNOH	Summer1	BTN	0.3379	0.0230	No Trend	0.1514	-0.0102	No Trend	0.0797	Same	0.6419	No Trend
MPNOH	Summer1	SDIN	0.4148	0.0035	No Trend	0.7688	0.0027	No Trend	0.7649	Same	0.4446	No Trend
MPNOH	Summer1	BDIN	0.8208	-0.0013	No Trend	0.2160	0.0033	No Trend	0.2402	Same	0.3963	No Trend
MPNOH	Summer1	STP	0.0023	0.0050	Degrading	0.6421	-0.0013	No Trend	0.0268	Same	0.1428	No Trend
MPNOH	Summer1	BTP	0.2769	0.0042	No Trend	0.7865	0.0010	No Trend	0.6589	Same	0.3773	No Trend
MPNOH	Summer1	SPO4F	0.0123	0.0013	No Trend	0.9690	<0.0001	No Trend	0.1460	Same	0.1293	No Trend
MPNOH	Summer1	BPO4F	0.0130	0.0013	No Trend	0.6416	-0.0002	No Trend	0.0684	Same	0.2914	No Trend

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
YRKMH	Summer1	STN	0.0299	0.0335	No Trend	0.6299	0.0011	No Trend	0.3491	Same	0.0871	No Trend
YRKMH	Summer1	BTN	0.0319	0.0275	No Trend	0.8407	-0.0012	No Trend	0.1497	Same	0.2656	No Trend
YRKMH	Summer1	SDIN	0.0713	-0.0054	No Trend	0.3252	0.0014	No Trend	0.0526	Same	0.6779	No Trend
YRKMH	Summer1	BDIN	0.1900	-0.0030	No Trend	0.5783	0.0025	No Trend	0.2057	Same	0.7068	No Trend
YRKMH	Summer1	STP	0.0011	0.0067	Degrading	0.1682	-0.0013	No Trend	0.0028	Different	0.4818	-
YRKMH	Summer1	BTP	0.0070	0.0077	Degrading	0.9718	-0.0001	No Trend	0.1297	Same	0.1455	No Trend
YRKMH	Summer1	SPO4F	0.0011	0.0025	Degrading	0.5710	0.0001	No Trend	0.1819	Same	0.0224	No Trend
YRKMH	Summer1	BPO4F	0.0013	0.0025	Degrading	0.0215	0.0005	No Trend	0.8337	Same	0.0002	Degrading
YRKPH	Summer1	STN	0.0311	0.0256	No Trend	0.0353	0.0040	No Trend	0.6888	Same	0.0027	Degrading
YRKPH	Summer1	BTN	0.0039	0.0441	Degrading	0.1370	0.0081	No Trend	0.6358	Same	0.0036	Degrading
YRKPH	Summer1	SDIN	1.0000	<0.0001	No Trend	0.8307	0.0003	No Trend	0.8633	Same	0.8633	No Trend
YRKPH	Summer1	BDIN	0.2596	0.0046	No Trend	0.5617	0.0017	No Trend	0.9015	Same	0.2652	No Trend
YRKPH	Summer1	STP	0.0054	0.0025	Degrading	0.1804	-0.0011	No Trend	0.0070	Different	0.6315	-
YRKPH	Summer1	BTP	0.0002	0.0038	Degrading	0.9711	<0.0001	No Trend	0.0389	Same	0.0336	No Trend
YRKPH	Summer1	SPO4F	0.0114	0.0010	No Trend	0.6360	0.0001	No Trend	0.3020	Same	0.0685	No Trend
YRKPH	Summer1	BPO4F	0.0657	0.0011	No Trend	0.6638	0.0001	No Trend	0.4887	Same	0.1571	No Trend
RPPTF	Summer1	STN	0.3220	0.0129	No Trend	0.4504	-0.0049	No Trend	0.2287	Same	0.9543	No Trend
RPPTF	Summer1	BTN	0.5664	-0.0074	No Trend	0.0364	-0.0122	No Trend	0.1603	Same	0.0364	No Trend
RPPTF	Summer1	SDIN	0.0837	0.0221	No Trend	0.5371	-0.0089	No Trend	0.1357	Same	0.6462	No Trend
RPPTF	Summer1	BDIN	0.0409	0.0200	No Trend	0.3903	-0.0082	No Trend	0.0618	Same	0.6664	No Trend
RPPTF	Summer1	STP	0.2358	0.0008	No Trend	0.0280	-0.0016	No Trend	0.0118	Same	0.2352	No Trend
RPPTF	Summer1	BTP	0.1884	0.0020	No Trend	0.0861	-0.0016	No Trend	0.0289	Same	0.4902	No Trend
RPPTF	Summer1	SPO4F	0.5726	<0.0001	No Trend	0.0536	-0.0004	No Trend	0.0442	Same	0.1456	No Trend
RPPTF	Summer1	BPO4F	0.8328	<0.0001	No Trend	0.0229	-0.0005	No Trend	0.0303	Same	0.0550	No Trend
RPPMH	Summer1	STN	0.0179	0.0215	No Trend	0.8370	-0.0005	No Trend	0.1353	Same	0.2506	No Trend
RPPMH	Summer1	BTN	0.0003	0.0305	Degrading	0.4713	-0.0020	No Trend	0.0083	Different	0.1516	-
RPPMH	Summer1	SDIN	0.0052	-0.0075	Improving	0.4482	0.0003	No Trend	0.0337	Same	0.4089	No Trend
RPPMH	Summer1	BDIN	0.1044	-0.0026	No Trend	0.8638	0.0002	No Trend	0.2969	Same	0.4512	No Trend
RPPMH	Summer1	STP	0.0014	0.0021	Degrading	0.1314	-0.0008	No Trend	0.0026	Different	0.6429	-
RPPMH	Summer1	BTP	0.0661	0.0015	No Trend	0.0236	-0.0012	No Trend	0.0035	Different	0.3694	-
RPPMH	Summer1	SPO4F	0.4137	<0.0001	No Trend	0.9446	<0.0001	No Trend	0.7393	Same	0.8417	No Trend
RPPMH	Summer1	BPO4F	0.1238	<0.0001	No Trend	1.0000	<0.0001	No Trend	0.5620	Same	0.5620	No Trend
RPPOH	Summer1	STN	0.0237	0.0372	No Trend	0.8370	0.0017	No Trend	0.2750	Same	0.1509	No Trend
RPPOH	Summer1	BTN	0.0005	0.0508	Degrading	0.9453	0.0007	No Trend	0.0679	Same	0.0522	No Trend
RPPOH	Summer1	SDIN	0.1950	-0.0064	No Trend	0.3311	<0.0001	No Trend	0.9522	Same	0.1193	No Trend
RPPOH	Summer1	BDIN	0.0903	-0.0068	No Trend	0.7751	<0.0001	No Trend	0.4875	Same	0.2391	No Trend
RPPOH	Summer1	STP	0.0135	0.0050	No Trend	0.0928	-0.0015	No Trend	0.0053	Different	0.9771	-
RPPOH	Summer1	BTP	0.0024	0.0083	Degrading	0.4915	-0.0012	No Trend	0.0221	Same	0.2524	No Trend
RPPOH	Summer1	SPO4F	0.6171	<0.0001	No Trend	0.0152	-0.0005	No Trend	0.0128	Same	0.0360	No Trend
RPPOH	Summer1	BPO4F	1.0000	<0.0001	No Trend	0.0062	-0.0005	Improving	0.0084	Different	0.0102	-
CRRMH	Summer1	STN	0.3916	0.0108	No Trend	0.0413	0.0061	No Trend	0.1993	Same	0.0262	No Trend
CRRMH	Summer1	BTN	0.0803	0.0250	No Trend	0.1479	-0.0072	No Trend	0.0325	Same	0.6871	No Trend
CRRMH	Summer1	SDIN	0.0006	-0.0063	Improving	0.1595	-0.0001	High BDLs	0.2587	Same	0.0009	Improving
CRRMH	Summer1	BDIN	0.0183	-0.0050	No Trend	0.2445	-0.0009	No Trend	0.8093	Same	0.0250	No Trend
CRRMH	Summer1	STP	0.0113	0.0013	No Trend	0.5850	0.0003	No Trend	0.3310	Same	0.0596	No Trend
CRRMH	Summer1	BTP	0.0037	0.0025	Degrading	0.1123	-0.0012	No Trend	0.0032	Different	0.7679	-
CRRMH	Summer1	SPO4F	0.0828	<0.0001	No Trend	0.3700	<0.0001	No Trend	0.1342	Same	0.8617	No Trend
CRRMH	Summer1	BPO4F	0.9315	<0.0001	No Trend	0.0532	-0.0002	No Trend	0.0642	Same	0.0857	No Trend

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
APPTF	Summer2	STN	0.0704	-0.0468	No Trend	0.5226	-0.0089	No Trend	0.5776	Same	0.1093	No Trend
APPTF	Summer2	BTN	0.1324	-0.0360	No Trend	0.2164	-0.0135	No Trend	0.9169	Same	0.0557	No Trend
APPTF	Summer2	SDIN	0.2502	-0.0150	No Trend	0.5030	-0.0080	No Trend	0.8574	Same	0.2086	No Trend
APPTF	Summer2	BDIN	0.1035	-0.0222	No Trend	0.3058	-0.0116	No Trend	0.8892	Same	0.0701	No Trend
APPTF	Summer2	STP	0.9033	<0.0001	No Trend	0.8741	-0.0002	No Trend	0.9735	Same	0.8163	No Trend
APPTF	Summer2	BTP	0.0432	0.0050	No Trend	0.7515	-0.0007	No Trend	0.1625	Same	0.3873	No Trend
APPTF	Summer2	SPO4F	0.1627	-0.0007	No Trend	0.9049	<0.0001	No Trend	0.5000	Same	0.3806	No Trend
APPTF	Summer2	BPO4F	0.0603	-0.0011	No Trend	0.8733	<0.0001	No Trend	0.3639	Same	0.2392	No Trend
JMSTF2	Summer2	STN	0.0065	-0.0600	Improving	0.1469	0.0206	No Trend	0.0058	Different	0.7235	-
JMSTF2	Summer2	BTN	0.0001	-0.1204	Improving	0.0668	0.0162	No Trend	0.0002	Different	0.5647	-
JMSTF2	Summer2	SDIN	0.0094	-0.0350	Improving	0.7012	0.0035	No Trend	0.0713	Same	0.2432	No Trend
JMSTF2	Summer2	BDIN	0.0004	-0.0652	Improving	0.7654	0.0042	No Trend	0.0282	Same	0.0909	No Trend
JMSTF2	Summer2	STP	0.0021	-0.0173	Improving	0.5794	0.0009	No Trend	0.0289	Same	0.2083	No Trend
JMSTF2	Summer2	BTP	0.0005	-0.0232	Improving	0.1541	0.0029	No Trend	0.0020	Different	0.5015	-
JMSTF2	Summer2	SPO4F	0.0037	-0.0150	Improving	0.1427	-0.0012	No Trend	0.6909	Same	0.0044	Improving
JMSTF2	Summer2	BPO4F	0.0019	-0.0191	Improving	0.1311	-0.0010	No Trend	0.6861	Same	0.0030	Improving
JMSTF1	Summer2	STN	0.4339	-0.0144	No Trend	0.0191	-0.0173	No Trend	0.1538	Same	0.0164	No Trend
JMSTF1	Summer2	BTN	0.5880	-0.0188	No Trend	0.0010	-0.0349	Improving	0.0198	Same	0.0025	Improving
JMSTF1	Summer2	SDIN	0.0134	-0.0325	No Trend	0.5795	0.0092	No Trend	0.0556	Same	0.3128	No Trend
JMSTF1	Summer2	BDIN	0.0096	-0.0385	Improving	0.4287	0.0096	No Trend	0.0277	Same	0.3560	No Trend
JMSTF1	Summer2	STP	0.0050	0.0050	Degrading	0.0522	-0.0023	No Trend	0.0014	Different	0.9470	-
JMSTF1	Summer2	BTP	0.0026	0.0100	Degrading	0.0084	-0.0075	Improving	0.0001	Different	0.6584	-
JMSTF1	Summer2	SPO4F	0.1928	-0.0010	No Trend	0.3380	0.0004	No Trend	0.1225	Same	0.9465	No Trend
JMSTF1	Summer2	BPO4F	0.3100	<0.0001	No Trend	0.6787	0.0002	No Trend	0.3490	Same	0.8081	No Trend
CHKOH	Summer2	STN	0.6644	-0.0325	No Trend	0.9320	-0.0004	No Trend	0.9052	Same	0.7811	No Trend
CHKOH	Summer2	BTN	1.0000	<0.0001	No Trend	0.8312	-0.0010	No Trend	0.8116	Same	0.8737	No Trend
CHKOH	Summer2	SDIN	0.7604	<0.0001	No Trend	0.1103	0.0009	No Trend	0.0967	Same	0.1619	No Trend
CHKOH	Summer2	BDIN	0.6885	<0.0001	No Trend	0.0637	0.0016	No Trend	0.0537	Same	0.1095	No Trend
CHKOH	Summer2	STP	0.1444	0.0050	No Trend	0.0433	-0.0020	No Trend	0.0152	Same	0.1668	No Trend
CHKOH	Summer2	BTP	0.1017	0.0100	No Trend	0.0574	-0.0048	No Trend	0.0172	Same	0.2337	No Trend
CHKOH	Summer2	SPO4F	0.2472	<0.0001	No Trend	0.2460	0.0003	No Trend	0.3646	Same	0.1677	No Trend
CHKOH	Summer2	BPO4F	0.5997	<0.0001	No Trend	0.3800	0.0002	No Trend	0.4837	Same	0.3118	No Trend
JMSOH	Summer2	STN	0.5860	-0.0037	No Trend	0.4761	0.0045	No Trend	0.3536	Same	0.7910	No Trend
JMSOH	Summer2	BTN	0.3062	0.0195	No Trend	0.4516	0.0102	No Trend	0.9736	Same	0.2208	No Trend
JMSOH	Summer2	SDIN	0.0173	-0.0150	No Trend	0.3064	0.0045	No Trend	0.0218	Same	0.5056	No Trend
JMSOH	Summer2	BDIN	0.0047	-0.0165	Improving	0.4288	0.0025	No Trend	0.0167	Same	0.2537	No Trend
JMSOH	Summer2	STP	0.0180	0.0054	No Trend	0.4761	0.0006	No Trend	0.4658	Same	0.0545	No Trend
JMSOH	Summer2	BTP	0.0080	0.0090	Degrading	0.5264	0.0009	No Trend	0.3372	Same	0.0435	No Trend
JMSOH	Summer2	SPO4F	0.0407	0.0013	No Trend	0.2342	0.0004	No Trend	0.8937	Same	0.0325	No Trend
JMSOH	Summer2	BPO4F	0.1538	0.0010	No Trend	0.6906	0.0001	No Trend	0.6391	Same	0.2548	No Trend
JMSMH	Summer2	STN	0.6212	-0.0050	No Trend	0.5370	0.0036	No Trend	0.4135	Same	0.8034	No Trend
JMSMH	Summer2	BTN	0.2599	0.0100	No Trend	0.2326	0.0054	No Trend	0.6698	Same	0.1021	No Trend
JMSMH	Summer2	SDIN	0.2563	-0.0033	No Trend	0.0768	0.0050	No Trend	0.0323	Same	0.4427	No Trend
JMSMH	Summer2	BDIN	0.2840	-0.0036	No Trend	0.0816	0.0048	No Trend	0.0373	Same	0.3839	No Trend
JMSMH	Summer2	STP	0.0122	0.0033	No Trend	0.8122	0.0003	No Trend	0.2315	Same	0.1106	No Trend
JMSMH	Summer2	BTP	0.0034	0.0041	Degrading	0.7815	0.0001	No Trend	0.1628	Same	0.0627	No Trend
JMSMH	Summer2	SPO4F	0.0567	0.0023	No Trend	0.0961	0.0008	No Trend	0.7391	Same	0.0137	No Trend
JMSMH	Summer2	BPO4F	0.1105	0.0013	No Trend	0.0874	0.0008	No Trend	0.5662	Same	0.0199	No Trend

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
JMSPH	Summer2	STN	0.4339	0.0066	No Trend	0.4281	0.0024	No Trend	0.8426	Same	0.2605	No Trend
JMSPH	Summer2	BTN	0.9520	-0.0019	No Trend	0.1085	0.0049	No Trend	0.1636	Same	0.2087	No Trend
JMSPH	Summer2	SDIN	0.7133	<0.0001	No Trend	<0.0001	0.0043	Degrading	0.0002	Different	0.0013	-
JMSPH	Summer2	BDIN	0.8080	0.0012	No Trend	0.0266	0.0030	No Trend	0.0907	Same	0.0430	No Trend
JMSPH	Summer2	STP	1.0000	<0.0001	No Trend	0.5794	0.0002	No Trend	0.6429	Same	0.6429	No Trend
JMSPH	Summer2	BTP	0.2528	0.0010	No Trend	0.0884	-0.0013	No Trend	0.0371	Same	0.4465	No Trend
JMSPH	Summer2	SPO4F	0.8550	<0.0001	No Trend	0.7511	0.0002	No Trend	0.6900	Same	0.8942	No Trend
JMSPH	Summer2	BPO4F	0.6295	0.0005	No Trend	0.2346	-0.0006	No Trend	0.1966	Same	0.4868	No Trend
ELIPH	Summer2	STN	1.0000	-0.0005	No Trend	1.0000	-0.0005	No Trend	1.0000	Same	0.9603	No Trend
ELIPH	Summer2	BTN	1.0000	0.0025	No Trend	1.0000	0.0025	No Trend	1.0000	Same	0.9602	No Trend
ELIPH	Summer2	SDIN	0.8874	0.0021	No Trend	0.8323	0.0025	No Trend	1.0000	Same	0.7643	No Trend
ELIPH	Summer2	BDIN	1.0000	-0.0013	No Trend	1.0000	-0.0013	No Trend	1.0000	Same	0.9603	No Trend
ELIPH	Summer2	STP	0.8515	<0.0001	No Trend	0.8515	<0.0001	No Trend	1.0000	Same	0.7574	No Trend
ELIPH	Summer2	BTP	0.7606	-0.0002	No Trend	0.7606	-0.0002	No Trend	1.0000	Same	0.6355	No Trend
ELIPH	Summer2	SPO4F	1.0000	<0.0001	No Trend	1.0000	<0.0001	No Trend	1.0000	Same	0.9647	No Trend
ELIPH	Summer2	BPO4F	0.7609	0.0003	No Trend	0.7609	0.0003	No Trend	1.0000	Same	0.6360	No Trend
PMKTF	Summer2	STN	0.3337	-0.0093	No Trend	0.5422	0.0040	No Trend	0.2665	Same	0.8822	No Trend
PMKTF	Summer2	BTN	0.9520	0.0042	No Trend	0.3026	-0.0130	No Trend	0.3816	Same	0.4698	No Trend
PMKTF	Summer2	SDIN	0.8087	-0.0060	No Trend	0.3452	0.0074	No Trend	0.3481	Same	0.5637	No Trend
PMKTF	Summer2	BDIN	0.9040	-0.0025	No Trend	0.4448	0.0049	No Trend	0.4711	Same	0.6139	No Trend
PMKTF	Summer2	STP	0.3607	0.0015	No Trend	0.6727	-0.0008	No Trend	0.3526	Same	0.7947	No Trend
PMKTF	Summer2	BTP	0.0689	0.0081	No Trend	0.0675	-0.0020	No Trend	0.0094	Different	0.7667	-
PMKTF	Summer2	SPO4F	0.1722	<0.0001	No Trend	0.0083	-0.0010	Improving	0.1797	Same	0.0029	Improving
PMKTF	Summer2	BPO4F	0.3376	<0.0001	No Trend	0.0076	-0.0008	Improving	0.1122	Same	0.0056	Improving
PMKOH	Summer2	STN	0.0019	0.0300	Degrading	0.4361	-0.0082	No Trend	0.0109	Same	0.1894	No Trend
PMKOH	Summer2	BTN	0.0190	0.0430	No Trend	0.2427	-0.0112	No Trend	0.0181	Same	0.6365	No Trend
PMKOH	Summer2	SDIN	0.7011	-0.0004	No Trend	0.8378	-0.0010	No Trend	0.9046	Same	0.6603	No Trend
PMKOH	Summer2	BDIN	0.8400	-0.0019	No Trend	0.7356	0.0010	No Trend	0.6662	Same	0.9064	No Trend
PMKOH	Summer2	STP	0.0528	0.0058	No Trend	0.2006	-0.0030	No Trend	0.0280	Same	0.9167	No Trend
PMKOH	Summer2	BTP	0.1835	0.0120	No Trend	0.8312	-0.0007	No Trend	0.3397	Same	0.5477	No Trend
PMKOH	Summer2	SPO4F	0.0001	0.0025	Degrading	0.1714	0.0007	No Trend	0.2906	Same	0.0009	Degrading
PMKOH	Summer2	BPO4F	0.0030	0.0021	Degrading	0.1989	0.0006	No Trend	0.5654	Same	0.0063	Degrading
MPNTF	Summer2	STN	0.0068	-0.0308	Improving	0.5887	-0.0036	No Trend	0.1476	Same	0.0243	No Trend
MPNTF	Summer2	BTN	0.1444	-0.0108	No Trend	0.3869	-0.0068	No Trend	0.7420	Same	0.0997	No Trend
MPNTF	Summer2	SDIN	0.6735	0.0029	No Trend	0.3982	0.0037	No Trend	0.7113	Same	0.3359	No Trend
MPNTF	Summer2	BDIN	0.7501	0.0008	No Trend	0.5729	0.0013	No Trend	0.8205	Same	0.4961	No Trend
MPNTF	Summer2	STP	0.2417	0.0013	No Trend	0.0546	-0.0024	No Trend	0.0228	Same	0.4333	No Trend
MPNTF	Summer2	BTP	0.4801	0.0013	No Trend	0.0828	-0.0021	No Trend	0.0636	Same	0.3439	No Trend
MPNTF	Summer2	SPO4F	0.7056	<0.0001	No Trend	0.0009	-0.0020	Improving	0.0033	Different	0.0160	-
MPNTF	Summer2	BPO4F	0.4188	<0.0001	No Trend	0.0012	-0.0023	Improving	0.0307	Same	0.0016	Improving
MPNOH	Summer2	STN	0.0004	0.0363	Degrading	0.3869	-0.0043	No Trend	0.0027	Different	0.0915	-
MPNOH	Summer2	BTN	0.2029	0.0324	No Trend	0.0305	-0.0310	No Trend	0.0116	Same	0.4000	No Trend
MPNOH	Summer2	SDIN	0.6556	0.0010	No Trend	0.9155	-0.0002	No Trend	0.6835	Same	0.8068	No Trend
MPNOH	Summer2	BDIN	0.8400	-0.0013	No Trend	0.4040	0.0030	No Trend	0.4049	Same	0.6061	No Trend
MPNOH	Summer2	STP	0.0178	0.0050	No Trend	0.1591	-0.0037	No Trend	0.0093	Different	0.7103	-
MPNOH	Summer2	BTP	0.4454	0.0042	No Trend	0.4255	-0.0029	No Trend	0.2576	Same	0.8800	No Trend
MPNOH	Summer2	SPO4F	0.0012	0.0017	Degrading	0.9251	<0.0001	No Trend	0.0553	Same	0.0388	No Trend
MPNOH	Summer2	BPO4F	0.0012	0.0017	Degrading	0.6731	-0.0003	No Trend	0.0239	Same	0.1165	No Trend

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
YRKMH	Summer2	STN	0.0363	0.0340	No Trend	0.8882	-0.0017	No Trend	0.1630	Same	0.2424	No Trend
YRKMH	Summer2	BTN	0.0439	0.0373	No Trend	0.8147	-0.0013	No Trend	0.1664	Same	0.3175	No Trend
YRKMH	Summer2	SDIN	0.1242	-0.0050	No Trend	0.5700	0.0011	No Trend	0.1478	Same	0.5735	No Trend
YRKMH	Summer2	BDIN	0.2496	-0.0030	No Trend	0.8456	0.0019	No Trend	0.3845	Same	0.5800	No Trend
YRKMH	Summer2	STP	0.0037	0.0071	Degrading	0.2012	-0.0014	No Trend	0.0064	Different	0.5397	-
YRKMH	Summer2	BTP	0.0058	0.0089	Degrading	0.9017	0.0002	No Trend	0.1554	Same	0.1034	No Trend
YRKMH	Summer2	SPO4F	0.0002	0.0033	Degrading	0.7724	<0.0001	No Trend	0.0672	Same	0.0207	No Trend
YRKMH	Summer2	BPO4F	0.0014	0.0025	Degrading	0.0289	0.0006	No Trend	0.8886	Same	0.0004	Degrading
YRKPH	Summer2	STN	0.0801	0.0231	No Trend	0.1442	0.0034	No Trend	0.9058	Same	0.0245	No Trend
YRKPH	Summer2	BTN	0.0378	0.0399	No Trend	0.2427	0.0062	No Trend	0.7527	Same	0.0274	No Trend
YRKPH	Summer2	SDIN	0.6870	-0.0013	No Trend	0.8378	0.0003	No Trend	0.6544	Same	0.9028	No Trend
YRKPH	Summer2	BDIN	0.2803	0.0050	No Trend	0.5788	0.0017	No Trend	0.8852	Same	0.2790	No Trend
YRKPH	Summer2	STP	0.0349	0.0021	No Trend	0.1864	-0.0013	No Trend	0.0204	Same	0.8882	No Trend
YRKPH	Summer2	BTP	0.0005	0.0040	Degrading	0.9660	0.0003	No Trend	0.0495	Same	0.0419	No Trend
YRKPH	Summer2	SPO4F	0.0195	0.0013	No Trend	0.8979	<0.0001	No Trend	0.2152	Same	0.1465	No Trend
YRKPH	Summer2	BPO4F	0.0730	0.0015	No Trend	0.5226	0.0004	No Trend	0.5986	Same	0.1143	No Trend
RPPTF	Summer2	STN	0.2528	0.0179	No Trend	0.3416	-0.0059	No Trend	0.1453	Same	0.8947	No Trend
RPPTF	Summer2	BTN	0.6735	-0.0038	No Trend	0.0194	-0.0137	No Trend	0.0914	Same	0.0266	No Trend
RPPTF	Summer2	SDIN	0.0454	0.0300	No Trend	0.7515	-0.0087	No Trend	0.1638	Same	0.3887	No Trend
RPPTF	Summer2	BDIN	0.0338	0.0246	No Trend	0.6057	-0.0049	No Trend	0.1036	Same	0.4449	No Trend
RPPTF	Summer2	STP	0.2924	0.0010	No Trend	0.0522	-0.0017	No Trend	0.0253	Same	0.3008	No Trend
RPPTF	Summer2	BTP	0.1809	0.0023	No Trend	0.0884	-0.0018	No Trend	0.0284	Same	0.5067	No Trend
RPPTF	Summer2	SPO4F	0.6134	<0.0001	No Trend	0.2832	-0.0003	No Trend	0.2217	Same	0.4722	No Trend
RPPTF	Summer2	BPO4F	0.9331	<0.0001	No Trend	0.2038	-0.0003	No Trend	0.2223	Same	0.2815	No Trend
RPPMH	Summer2	STN	0.2736	0.0090	No Trend	0.5264	-0.0015	No Trend	0.2455	Same	0.9207	No Trend
RPPMH	Summer2	BTN	0.0157	0.0222	No Trend	0.4054	-0.0022	No Trend	0.0400	Same	0.5076	No Trend
RPPMH	Summer2	SDIN	0.0087	-0.0056	Improving	0.3594	0.0003	No Trend	0.0307	Same	0.5599	No Trend
RPPMH	Summer2	BDIN	0.1285	-0.0022	No Trend	0.5264	0.0007	No Trend	0.1687	Same	0.7626	No Trend
RPPMH	Summer2	STP	0.0026	0.0025	Degrading	0.2676	-0.0008	No Trend	0.0094	Different	0.4640	-
RPPMH	Summer2	BTP	0.0721	0.0017	No Trend	0.1783	-0.0009	No Trend	0.0327	Same	0.8938	No Trend
RPPMH	Summer2	SPO4F	0.4137	<0.0001	No Trend	0.9680	<0.0001	No Trend	0.7907	Same	0.7329	No Trend
RPPMH	Summer2	BPO4F	0.1238	<0.0001	No Trend	0.6617	0.0001	No Trend	0.7988	Same	0.2909	No Trend
RPPOH	Summer2	STN	0.1277	0.0273	No Trend	0.7515	-0.0023	No Trend	0.2590	Same	0.5501	No Trend
RPPOH	Summer2	BTN	0.0023	0.0475	Degrading	0.9369	-0.0006	No Trend	0.0867	Same	0.1144	No Trend
RPPOH	Summer2	SDIN	0.0508	-0.0075	No Trend	0.0690	<0.0001	High BDLs	0.6993	Same	0.0084	Improving
RPPOH	Summer2	BDIN	0.0156	-0.0075	No Trend	0.5581	<0.0001	No Trend	0.4141	Same	0.0701	No Trend
RPPOH	Summer2	STP	0.0446	0.0046	No Trend	0.2052	-0.0011	No Trend	0.0285	Same	0.9471	No Trend
RPPOH	Summer2	BTP	0.0019	0.0091	Degrading	0.6391	-0.0013	No Trend	0.0310	Same	0.1678	No Trend
RPPOH	Summer2	SPO4F	0.4936	<0.0001	No Trend	0.0277	-0.0006	No Trend	0.0191	Same	0.0598	No Trend
RPPOH	Summer2	BPO4F	0.8021	<0.0001	No Trend	0.0206	-0.0005	No Trend	0.0203	Same	0.0364	No Trend
CRRMH	Summer2	STN	0.8798	0.0050	No Trend	0.0355	0.0083	No Trend	0.0823	Same	0.0506	No Trend
CRRMH	Summer2	BTN	0.1104	0.0250	No Trend	0.0964	-0.0084	No Trend	0.0246	Same	0.4825	No Trend
CRRMH	Summer2	SDIN	0.0048	-0.0050	Improving	0.3139	<0.0001	High BDLs	0.3445	Same	0.0107	No Trend
CRRMH	Summer2	BDIN	0.0197	-0.0050	No Trend	0.3755	-0.0008	No Trend	0.6572	Same	0.0480	No Trend
CRRMH	Summer2	STP	0.0058	0.0017	Degrading	0.2020	0.0009	No Trend	0.6525	Same	0.0094	Degrading
CRRMH	Summer2	BTP	0.0059	0.0025	Degrading	0.1325	-0.0014	No Trend	0.0055	Different	0.8148	-
CRRMH	Summer2	SPO4F	0.0828	<0.0001	No Trend	0.3770	-0.0001	No Trend	0.1230	Same	0.9385	No Trend
CRRMH	Summer2	BPO4F	0.3879	<0.0001	No Trend	0.0307	-0.0003	No Trend	0.0181	Same	0.1042	No Trend

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
APPTF	Fall	STN	0.3346	-0.0175	No Trend	0.5020	-0.0120	No Trend	0.8753	Same	0.2393	No Trend
APPTF	Fall	BTN	0.8567	-0.0044	No Trend	0.3800	-0.0160	No Trend	0.6104	Same	0.4105	No Trend
APPTF	Fall	SDIN	0.7157	-0.0050	No Trend	0.4754	-0.0094	No Trend	0.7463	Same	0.4084	No Trend
APPTF	Fall	BDIN	0.7175	-0.0029	No Trend	0.2844	-0.0127	No Trend	0.5421	Same	0.2663	No Trend
APPTF	Fall	STP	0.6295	0.0019	No Trend	0.8376	-0.0001	No Trend	0.6118	Same	0.8452	No Trend
APPTF	Fall	BTP	0.2270	0.0053	No Trend	0.6089	-0.0007	No Trend	0.2261	Same	0.6676	No Trend
APPTF	Fall	SPO4F	0.0795	-0.0017	No Trend	0.1279	-0.0008	No Trend	0.8555	Same	0.0217	No Trend
APPTF	Fall	BPO4F	0.1308	-0.0009	No Trend	0.0882	-0.0010	No Trend	0.6348	Same	0.0213	No Trend
JMSTF2	Fall	STN	0.2062	-0.0290	No Trend	0.0276	0.0158	No Trend	0.0107	Same	0.3551	No Trend
JMSTF2	Fall	BTN	0.0055	-0.1032	Improving	0.0130	0.0201	No Trend	0.0002	Different	0.8243	-
JMSTF2	Fall	SDIN	0.1655	-0.0116	No Trend	0.3707	0.0060	No Trend	0.1173	Same	0.9168	No Trend
JMSTF2	Fall	BDIN	0.0032	-0.0560	Improving	0.2498	0.0100	No Trend	0.0074	Different	0.4236	-
JMSTF2	Fall	STP	0.0606	-0.0127	No Trend	0.6420	-0.0006	No Trend	0.4173	Same	0.1215	No Trend
JMSTF2	Fall	BTP	0.0159	-0.0200	No Trend	0.5769	0.0006	No Trend	0.0510	Same	0.2856	No Trend
JMSTF2	Fall	SPO4F	0.0772	-0.0117	No Trend	0.0483	-0.0011	No Trend	0.5745	Same	0.0077	Improving
JMSTF2	Fall	BPO4F	0.0694	-0.0150	No Trend	0.0189	-0.0015	No Trend	0.4026	Same	0.0027	Improving
JMSTF1	Fall	STN	0.7634	-0.0215	No Trend	0.0389	-0.0285	No Trend	0.1596	Same	0.0642	No Trend
JMSTF1	Fall	BTN	0.9040	0.0169	No Trend	0.0556	-0.0268	No Trend	0.1098	Same	0.1705	No Trend
JMSTF1	Fall	SDIN	0.3666	-0.0266	No Trend	0.1978	-0.0145	No Trend	0.6246	Same	0.1079	No Trend
JMSTF1	Fall	BDIN	0.2062	-0.0324	No Trend	0.4754	-0.0074	No Trend	0.8298	Same	0.1733	No Trend
JMSTF1	Fall	STP	0.7155	0.0008	No Trend	0.1526	-0.0018	No Trend	0.1626	Same	0.3779	No Trend
JMSTF1	Fall	BTP	0.0454	0.0054	No Trend	0.8849	0.0002	No Trend	0.2419	Same	0.1625	No Trend
JMSTF1	Fall	SPO4F	0.0084	-0.0023	Improving	0.1555	-0.0007	No Trend	0.7227	Same	0.0070	Improving
JMSTF1	Fall	BPO4F	0.0039	-0.0017	Improving	0.2096	-0.0007	No Trend	0.4885	Same	0.0063	Improving
CHKOH	Fall	STN	0.9131	0.0100	No Trend	0.1094	-0.0193	No Trend	0.1235	Same	0.1759	No Trend
CHKOH	Fall	BTN	0.8283	0.0063	No Trend	0.1208	-0.0272	No Trend	0.1235	Same	0.2076	No Trend
CHKOH	Fall	SDIN	0.1969	-0.0125	No Trend	0.6061	-0.0074	No Trend	0.9653	Same	0.3167	No Trend
CHKOH	Fall	BDIN	0.0594	-0.0200	No Trend	0.3725	-0.0087	No Trend	0.9655	Same	0.1098	No Trend
CHKOH	Fall	STP	0.2665	0.0025	No Trend	0.2603	-0.0018	No Trend	0.1251	Same	0.6092	No Trend
CHKOH	Fall	BTP	0.2245	0.0040	No Trend	0.7589	-0.0009	No Trend	0.4034	Same	0.7806	No Trend
CHKOH	Fall	SPO4F	0.4990	<0.0001	No Trend	0.8874	<0.0001	No Trend	0.9276	Same	0.7161	No Trend
CHKOH	Fall	BPO4F	0.2801	<0.0001	No Trend	0.9624	<0.0001	No Trend	0.6852	Same	0.7526	No Trend
JMSOH	Fall	STN	0.1041	-0.0208	No Trend	0.1028	0.0083	No Trend	0.0211	Same	0.7267	No Trend
JMSOH	Fall	BTN	0.9520	-0.0010	No Trend	0.4448	0.0090	No Trend	0.4938	Same	0.5891	No Trend
JMSOH	Fall	SDIN	0.0620	-0.0359	No Trend	0.1133	0.0143	No Trend	0.0172	Same	0.7913	No Trend
JMSOH	Fall	BDIN	0.0159	-0.0302	No Trend	0.1744	0.0108	No Trend	0.0119	Same	0.7857	No Trend
JMSOH	Fall	STP	0.3607	0.0025	No Trend	0.0668	0.0022	No Trend	0.3456	Same	0.0393	No Trend
JMSOH	Fall	BTP	0.0620	0.0088	No Trend	0.9289	0.0006	No Trend	0.2823	Same	0.2231	No Trend
JMSOH	Fall	SPO4F	0.5997	<0.0001	No Trend	0.3820	0.0004	No Trend	0.6586	Same	0.2921	No Trend
JMSOH	Fall	BPO4F	0.4414	<0.0001	No Trend	0.1481	0.0005	No Trend	0.4447	Same	0.0954	No Trend
JMSMH	Fall	STN	0.9431	0.0047	No Trend	0.0162	0.0184	No Trend	0.0469	Same	0.0328	No Trend
JMSMH	Fall	BTN	0.5727	-0.0073	No Trend	0.0533	0.0130	No Trend	0.0453	Same	0.1695	No Trend
JMSMH	Fall	SDIN	0.1521	-0.0277	No Trend	0.0071	0.0157	Degrading	0.0020	Different	0.1034	-
JMSMH	Fall	BDIN	0.1958	-0.0243	No Trend	0.0964	0.0098	No Trend	0.0347	Same	0.4068	No Trend
JMSMH	Fall	STP	0.6041	<0.0001	No Trend	0.9660	0.0001	No Trend	0.7757	Same	0.7217	No Trend
JMSMH	Fall	BTP	0.6500	<0.0001	No Trend	0.6553	-0.0003	No Trend	0.5081	Same	0.9414	No Trend
JMSMH	Fall	SPO4F	0.0757	0.0018	No Trend	0.0357	0.0009	No Trend	0.3961	Same	0.0060	Degrading
JMSMH	Fall	BPO4F	0.0383	0.0017	No Trend	0.2158	0.0007	No Trend	0.9717	Same	0.0307	No Trend

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
JMSPH	Fall	STN	0.5880	-0.0041	No Trend	0.0325	0.0106	No Trend	0.0343	Same	0.1456	No Trend
JMSPH	Fall	BTN	0.5873	0.0052	No Trend	0.3420	0.0016	No Trend	0.6431	Same	0.2605	No Trend
JMSPH	Fall	SDIN	0.4693	-0.0069	No Trend	0.0395	0.0091	No Trend	0.0315	Same	0.1968	No Trend
JMSPH	Fall	BDIN	0.5465	-0.0035	No Trend	0.0395	0.0051	No Trend	0.0371	Same	0.1748	No Trend
JMSPH	Fall	STP	0.5063	0.0006	No Trend	0.5006	-0.0001	No Trend	0.3366	Same	0.8684	No Trend
JMSPH	Fall	BTP	0.8562	0.0004	No Trend	0.0686	-0.0007	No Trend	0.0978	Same	0.1643	No Trend
JMSPH	Fall	SPO4F	0.4677	-0.0006	No Trend	0.5523	0.0002	No Trend	0.3533	Same	0.9471	No Trend
JMSPH	Fall	BPO4F	0.8084	-0.0001	No Trend	0.5258	0.0001	No Trend	0.4859	Same	0.7151	No Trend
ELIPH	Fall	STN	0.3244	-0.0255	No Trend	0.3244	-0.0255	No Trend	1.0000	Same	0.1478	No Trend
ELIPH	Fall	BTN	0.5956	0.0150	No Trend	0.5956	0.0150	No Trend	1.0000	Same	0.4213	No Trend
ELIPH	Fall	SDIN	0.6501	-0.0058	No Trend	0.6501	-0.0058	No Trend	1.0000	Same	0.4871	No Trend
ELIPH	Fall	BDIN	0.8798	-0.0025	No Trend	0.8798	-0.0025	No Trend	1.0000	Same	0.7893	No Trend
ELIPH	Fall	STP	0.8481	0.0003	No Trend	0.8481	0.0003	No Trend	1.0000	Same	0.7520	No Trend
ELIPH	Fall	BTP	0.2751	0.0012	No Trend	0.2751	0.0012	No Trend	1.0000	Same	0.1121	No Trend
ELIPH	Fall	SPO4F	0.0600	0.0016	No Trend	0.0600	0.0016	No Trend	1.0000	Same	0.0068	Degrading
ELIPH	Fall	BPO4F	0.0245	0.0010	No Trend	0.0245	0.0010	No Trend	1.0000	Same	0.0012	Degrading
PMKTF	Fall	STN	0.7515	-0.0051	No Trend	0.2844	0.0065	No Trend	0.2740	Same	0.5116	No Trend
PMKTF	Fall	BTN	0.2884	-0.0100	No Trend	0.2866	0.0080	No Trend	0.1344	Same	0.7424	No Trend
PMKTF	Fall	SDIN	0.1436	-0.0100	No Trend	0.2326	0.0065	No Trend	0.0671	Same	0.8628	No Trend
PMKTF	Fall	BDIN	0.3981	-0.0083	No Trend	0.6801	0.0026	No Trend	0.4132	Same	0.9150	No Trend
PMKTF	Fall	STP	0.0179	0.0037	No Trend	0.1080	0.0017	No Trend	0.9705	Same	0.0070	Degrading
PMKTF	Fall	BTP	0.0156	0.0033	No Trend	0.1663	0.0019	No Trend	0.9089	Same	0.0132	No Trend
PMKTF	Fall	SPO4F	0.3651	<0.0001	No Trend	0.0030	-0.0012	Improving	0.0395	Same	0.0023	Improving
PMKTF	Fall	BPO4F	0.0299	-0.0007	No Trend	0.0072	-0.0010	Improving	0.1889	Same	0.0006	Improving
PMKOH	Fall	STN	0.0973	0.0350	No Trend	0.1294	0.0141	No Trend	0.7672	Same	0.0264	No Trend
PMKOH	Fall	BTN	0.0112	0.0520	No Trend	0.0744	0.0301	No Trend	0.9100	Same	0.0037	Degrading
PMKOH	Fall	SDIN	0.0833	-0.0070	No Trend	0.4998	0.0045	No Trend	0.1174	Same	0.6546	No Trend
PMKOH	Fall	BDIN	0.3957	-0.0057	No Trend	0.2294	0.0045	No Trend	0.1324	Same	0.5819	No Trend
PMKOH	Fall	STP	0.0137	0.0100	No Trend	0.4819	-0.0008	No Trend	0.0422	Same	0.3779	No Trend
PMKOH	Fall	BTP	0.0192	0.0200	No Trend	0.0963	0.0056	No Trend	0.9093	Same	0.0070	Degrading
PMKOH	Fall	SPO4F	0.8326	<0.0001	No Trend	0.8622	<0.0001	No Trend	0.7676	Same	1.0000	No Trend
PMKOH	Fall	BPO4F	0.8137	<0.0001	No Trend	0.7622	0.0001	No Trend	0.9095	Same	0.6769	No Trend
MPNTF	Fall	STN	1.0000	-0.0004	No Trend	0.2183	0.0074	No Trend	0.2946	Same	0.3292	No Trend
MPNTF	Fall	BTN	0.0396	-0.0214	No Trend	0.1137	0.0072	No Trend	0.0132	Same	0.8489	No Trend
MPNTF	Fall	SDIN	1.0000	<0.0001	No Trend	0.0431	0.0083	No Trend	0.0960	Same	0.0960	No Trend
MPNTF	Fall	BDIN	0.8314	-0.0010	No Trend	0.0786	0.0080	No Trend	0.1001	Same	0.1785	No Trend
MPNTF	Fall	STP	0.1148	0.0023	No Trend	0.6118	-0.0002	No Trend	0.1740	Same	0.5971	No Trend
MPNTF	Fall	BTP	0.3970	<0.0001	No Trend	1.0000	<0.0001	No Trend	0.6215	Same	0.6215	No Trend
MPNTF	Fall	SPO4F	0.5571	<0.0001	No Trend	0.0053	-0.0014	Improving	0.0406	Same	0.0063	Improving
MPNTF	Fall	BPO4F	0.1474	<0.0001	No Trend	0.0017	-0.0015	Improving	0.0440	Same	0.0005	Improving
MPNOH	Fall	STN	0.0131	0.0292	No Trend	0.8982	-0.0005	No Trend	0.1279	Same	0.1902	No Trend
MPNOH	Fall	BTN	0.0060	0.0345	Degrading	0.7919	-0.0045	No Trend	0.0776	Same	0.1857	No Trend
MPNOH	Fall	SDIN	0.4411	-0.0042	No Trend	0.3012	0.0028	No Trend	0.1850	Same	0.7127	No Trend
MPNOH	Fall	BDIN	0.7364	-0.0050	No Trend	0.2322	0.0060	No Trend	0.2188	Same	0.4190	No Trend
MPNOH	Fall	STP	0.0272	0.0065	No Trend	0.5479	0.0013	No Trend	0.4520	Same	0.0793	No Trend
MPNOH	Fall	BTP	0.0909	0.0050	No Trend	0.1978	0.0031	No Trend	0.8847	Same	0.0424	No Trend
MPNOH	Fall	SPO4F	1.0000	<0.0001	No Trend	0.8687	<0.0001	No Trend	0.9151	Same	0.8589	No Trend
MPNOH	Fall	BPO4F	0.6501	<0.0001	No Trend	0.7101	-0.0001	No Trend	0.5620	Same	0.9422	No Trend

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
YRKMH	Fall	STN	0.2265	0.0217	No Trend	0.4754	0.0031	No Trend	0.9694	Same	0.2049	No Trend
YRKMH	Fall	BTN	0.0753	0.0257	No Trend	0.0744	0.0158	No Trend	0.5067	Same	0.0139	No Trend
YRKMH	Fall	SDIN	0.4043	-0.0075	No Trend	0.1028	0.0055	No Trend	0.0618	Same	0.3314	No Trend
YRKMH	Fall	BDIN	0.5178	-0.0050	No Trend	0.0589	0.0081	No Trend	0.0445	Same	0.1845	No Trend
YRKMH	Fall	STP	<0.0001	0.0063	Degrading	0.5571	-0.0005	No Trend	0.0017	Different	0.0291	-
YRKMH	Fall	BTP	<0.0001	0.0087	Degrading	0.2612	0.0031	No Trend	0.1549	Same	0.0010	Degrading
YRKMH	Fall	SPO4F	0.0227	0.0017	No Trend	0.1829	0.0006	No Trend	0.8577	Same	0.0163	No Trend
YRKMH	Fall	BPO4F	0.0070	0.0025	Degrading	0.1688	0.0007	No Trend	0.7702	Same	0.0086	Degrading
YRKPH	Fall	STN	0.0187	0.0221	No Trend	0.0019	0.0098	Degrading	0.1047	Same	0.0001	Degrading
YRKPH	Fall	BTN	0.0125	0.0200	No Trend	0.0043	0.0107	Degrading	0.2118	Same	0.0002	Degrading
YRKPH	Fall	SDIN	0.0744	-0.0107	No Trend	0.0190	0.0095	No Trend	0.0033	Different	0.2121	-
YRKPH	Fall	BDIN	0.5727	-0.0050	No Trend	0.0473	0.0059	No Trend	0.0395	Same	0.1414	No Trend
YRKPH	Fall	STP	0.0023	0.0050	Degrading	0.1978	0.0007	No Trend	0.4993	Same	0.0050	Degrading
YRKPH	Fall	BTP	0.0023	0.0040	Degrading	0.9672	-0.0001	No Trend	0.0984	Same	0.1136	No Trend
YRKPH	Fall	SPO4F	0.3764	0.0013	No Trend	0.1490	0.0006	No Trend	0.4590	Same	0.0840	No Trend
YRKPH	Fall	BPO4F	0.1051	0.0013	No Trend	0.3418	0.0003	No Trend	1.0000	Same	0.0973	No Trend
RPPTF	Fall	STN	0.0913	-0.0302	No Trend	0.0191	0.0294	No Trend	0.0035	Different	0.3655	-
RPPTF	Fall	BTN	0.0536	-0.0336	No Trend	0.0367	0.0234	No Trend	0.0043	Different	0.5776	-
RPPTF	Fall	SDIN	0.6718	-0.0055	No Trend	0.0236	0.0298	No Trend	0.0320	Same	0.1097	No Trend
RPPTF	Fall	BDIN	0.6289	-0.0100	No Trend	0.0190	0.0283	No Trend	0.0248	Same	0.1025	No Trend
RPPTF	Fall	STP	0.0813	0.0027	No Trend	0.4922	0.0011	No Trend	0.6459	Same	0.1118	No Trend
RPPTF	Fall	BTP	1.0000	<0.0001	No Trend	0.1326	0.0026	No Trend	0.2322	Same	0.2059	No Trend
RPPTF	Fall	SPO4F	0.7362	<0.0001	No Trend	0.6199	0.0003	No Trend	0.7951	Same	0.5282	No Trend
RPPTF	Fall	BPO4F	0.7362	<0.0001	No Trend	0.5354	0.0003	No Trend	0.7107	Same	0.4581	No Trend
RPPMH	Fall	STN	0.4671	-0.0045	No Trend	0.0217	0.0088	No Trend	0.0186	Same	0.1358	No Trend
RPPMH	Fall	BTN	0.9516	<0.0001	No Trend	0.2052	0.0051	No Trend	0.3198	Same	0.2595	No Trend
RPPMH	Fall	SDIN	0.0169	-0.0115	No Trend	0.0626	0.0034	No Trend	0.0038	Different	0.8159	-
RPPMH	Fall	BDIN	0.1379	-0.0080	No Trend	0.0626	0.0037	No Trend	0.0163	Same	0.4630	No Trend
RPPMH	Fall	STP	0.0074	0.0019	Degrading	0.4516	0.0004	No Trend	0.4033	Same	0.0352	No Trend
RPPMH	Fall	BTP	0.1379	0.0013	No Trend	0.8122	-0.0001	No Trend	0.3014	Same	0.5264	No Trend
RPPMH	Fall	SPO4F	0.7642	<0.0001	No Trend	0.4910	<0.0001	No Trend	0.4304	Same	0.6255	No Trend
RPPMH	Fall	BPO4F	0.2016	<0.0001	No Trend	0.5481	<0.0001	No Trend	0.2521	Same	0.9429	No Trend
RPPOH	Fall	STN	0.9040	0.0055	No Trend	0.2866	0.0160	No Trend	0.4438	Same	0.3297	No Trend
RPPOH	Fall	BTN	0.1324	0.0243	No Trend	0.0744	0.0205	No Trend	0.6159	Same	0.0180	No Trend
RPPOH	Fall	SDIN	0.3346	-0.0154	No Trend	0.3866	0.0066	No Trend	0.1959	Same	0.8917	No Trend
RPPOH	Fall	BDIN	0.3062	-0.0150	No Trend	0.4922	0.0038	No Trend	0.2347	Same	0.9443	No Trend
RPPOH	Fall	STP	0.0212	0.0059	No Trend	0.5471	0.0007	No Trend	0.3805	Same	0.0630	No Trend
RPPOH	Fall	BTP	0.0338	0.0067	No Trend	0.1631	0.0035	No Trend	0.8248	Same	0.0149	No Trend
RPPOH	Fall	SPO4F	0.5367	<0.0001	No Trend	0.9668	<0.0001	No Trend	0.8168	Same	0.7574	No Trend
RPPOH	Fall	BPO4F	0.2874	<0.0001	No Trend	0.6036	-0.0001	No Trend	0.9390	Same	0.3199	No Trend
CRRMH	Fall	STN	0.8666	<0.0001	No Trend	0.7589	-0.0011	No Trend	0.6941	Same	0.8957	No Trend
CRRMH	Fall	BTN	0.6552	0.0143	No Trend	0.5234	0.0026	No Trend	0.7633	Same	0.4137	No Trend
CRRMH	Fall	SDIN	0.1962	-0.0050	No Trend	0.1357	-0.0003	No Trend	0.7168	Same	0.0433	No Trend
CRRMH	Fall	BDIN	0.1703	-0.0050	No Trend	0.7549	0.0001	No Trend	0.3198	Same	0.6511	No Trend
CRRMH	Fall	STP	0.0042	0.0013	Degrading	0.2183	-0.0004	No Trend	0.0052	Different	0.3812	-
CRRMH	Fall	BTP	0.0075	0.0017	Degrading	0.3564	-0.0003	No Trend	0.0203	Same	0.4229	No Trend
CRRMH	Fall	SPO4F	0.7473	<0.0001	No Trend	0.1562	-0.0001	No Trend	0.2717	Same	0.1427	No Trend
CRRMH	Fall	BPO4F	1.0000	<0.0001	No Trend	0.2999	<0.0001	No Trend	0.3583	Same	0.3123	No Trend

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
APPTF	Winter	STN	1.0000	0.0100	No Trend	0.9065	0.0015	No Trend	0.9601	Same	0.8807	No Trend
APPTF	Winter	BTN	0.9066	0.0175	No Trend	0.7551	-0.0045	No Trend	0.6998	Same	0.8688	No Trend
APPTF	Winter	SDIN	1.0000	-0.0040	No Trend	0.8773	-0.0056	No Trend	0.9277	Same	0.8561	No Trend
APPTF	Winter	BDIN	0.6366	-0.0142	No Trend	0.6243	-0.0046	No Trend	0.8433	Same	0.4890	No Trend
APPTF	Winter	STP	0.0799	0.0067	No Trend	0.3011	-0.0014	No Trend	0.0711	Same	1.0000	No Trend
APPTF	Winter	BTP	0.2081	0.0050	No Trend	0.6055	-0.0008	No Trend	0.2562	Same	0.8050	No Trend
APPTF	Winter	SPO4F	0.0817	-0.0020	No Trend	0.0175	-0.0015	No Trend	0.1965	Same	0.0032	Improving
APPTF	Winter	BPO4F	0.1054	-0.0025	No Trend	0.0252	-0.0014	No Trend	0.2489	Same	0.0053	Improving
JMSTF2	Winter	STN	0.0440	-0.0563	No Trend	0.5571	0.0060	No Trend	0.1090	Same	0.5478	No Trend
JMSTF2	Winter	BTN	0.0258	-0.0887	No Trend	0.7343	0.0044	No Trend	0.1419	Same	0.3781	No Trend
JMSTF2	Winter	SDIN	0.0219	-0.0300	No Trend	0.1647	0.0144	No Trend	0.0185	Same	0.9278	No Trend
JMSTF2	Winter	BDIN	0.0335	-0.0418	No Trend	0.0568	0.0166	No Trend	0.0076	Different	0.4290	-
JMSTF2	Winter	STP	0.0274	-0.0142	No Trend	0.2531	-0.0024	No Trend	0.8871	Same	0.0332	No Trend
JMSTF2	Winter	BTP	0.0165	-0.0150	No Trend	0.3494	-0.0026	No Trend	0.5651	Same	0.0320	No Trend
JMSTF2	Winter	SPO4F	0.0155	-0.0088	No Trend	0.1955	-0.0008	No Trend	0.9636	Same	0.0199	No Trend
JMSTF2	Winter	BPO4F	0.1773	-0.0079	No Trend	0.1259	-0.0010	No Trend	0.5365	Same	0.0409	No Trend
JMSTF1	Winter	STN	0.2518	-0.1080	No Trend	0.6385	-0.0148	No Trend	0.8025	Same	0.2935	No Trend
JMSTF1	Winter	BTN	0.1273	-0.0889	No Trend	0.9065	-0.0147	No Trend	0.5286	Same	0.4008	No Trend
JMSTF1	Winter	SDIN	0.2518	-0.0580	No Trend	0.6433	-0.0107	No Trend	0.8562	Same	0.3190	No Trend
JMSTF1	Winter	BDIN	0.1273	-0.0531	No Trend	0.7187	-0.0042	No Trend	0.7415	Same	0.3224	No Trend
JMSTF1	Winter	STP	0.3291	-0.0060	No Trend	0.2531	-0.0033	No Trend	0.6346	Same	0.1283	No Trend
JMSTF1	Winter	BTP	0.3857	-0.0043	No Trend	0.4793	-0.0045	No Trend	0.8870	Same	0.2758	No Trend
JMSTF1	Winter	SPO4F	0.0142	-0.0075	No Trend	0.0023	-0.0014	Improving	0.1311	Same	0.0001	Improving
JMSTF1	Winter	BPO4F	0.0063	-0.0064	Improving	0.0006	-0.0015	Improving	0.0909	Same	<0.0001	Improving
CHKOH	Winter	STN	0.3865	-0.0675	No Trend	0.2905	-0.0149	No Trend	0.5045	Same	0.1820	No Trend
CHKOH	Winter	BTN	0.4712	-0.2438	No Trend	0.0781	-0.0195	No Trend	0.1380	Same	0.0524	No Trend
CHKOH	Winter	SDIN	0.1190	-0.1050	No Trend	0.5714	-0.0051	No Trend	0.9607	Same	0.3003	No Trend
CHKOH	Winter	BDIN	0.4712	-0.0988	No Trend	0.3282	-0.0086	No Trend	0.4504	Same	0.2472	No Trend
CHKOH	Winter	STP	0.4470	0.0033	No Trend	0.4793	-0.0018	No Trend	0.3463	Same	0.6755	No Trend
CHKOH	Winter	BTP	0.2760	0.0088	No Trend	0.4143	-0.0016	No Trend	0.2515	Same	0.6767	No Trend
CHKOH	Winter	SPO4F	0.8026	<0.0001	No Trend	0.0388	-0.0007	No Trend	0.0545	Same	0.0336	No Trend
CHKOH	Winter	BPO4F	1.0000	<0.0001	No Trend	0.0091	-0.0007	Improving	0.0097	Different	0.0130	-
JMSOH	Winter	STN	0.3929	-0.0328	No Trend	0.0921	-0.0250	No Trend	0.3323	Same	0.0525	No Trend
JMSOH	Winter	BTN	0.5066	-0.0462	No Trend	0.0290	-0.0485	No Trend	0.1015	Same	0.0206	No Trend
JMSOH	Winter	SDIN	0.0710	-0.0504	No Trend	0.2107	-0.0180	No Trend	0.8087	Same	0.0471	No Trend
JMSOH	Winter	BDIN	0.0842	-0.0454	No Trend	0.0257	-0.0183	No Trend	0.1739	Same	0.0056	Improving
JMSOH	Winter	STP	0.6674	0.0029	No Trend	0.1213	-0.0028	No Trend	0.1053	Same	0.2655	No Trend
JMSOH	Winter	BTP	0.1349	0.0152	No Trend	0.1363	-0.0062	No Trend	0.0385	Same	0.5787	No Trend
JMSOH	Winter	SPO4F	0.0389	-0.0025	No Trend	0.0717	-0.0008	No Trend	0.5260	Same	0.0097	Improving
JMSOH	Winter	BPO4F	0.2724	-0.0017	No Trend	0.0333	-0.0010	No Trend	0.1712	Same	0.0145	No Trend
JMSMH	Winter	STN	0.9154	0.0031	No Trend	0.3494	-0.0181	No Trend	0.3605	Same	0.4844	No Trend
JMSMH	Winter	BTN	0.3524	0.0194	No Trend	0.9503	0.0037	No Trend	0.6927	Same	0.6113	No Trend
JMSMH	Winter	SDIN	0.9154	-0.0100	No Trend	0.1691	-0.0262	No Trend	0.2673	Same	0.1899	No Trend
JMSMH	Winter	BDIN	0.6902	0.0084	No Trend	0.4217	-0.0069	No Trend	0.3430	Same	0.5983	No Trend
JMSMH	Winter	STP	0.5891	0.0020	No Trend	0.8633	-0.0001	No Trend	0.6483	Same	0.8792	No Trend
JMSMH	Winter	BTP	0.5912	0.0010	No Trend	0.8187	0.0006	No Trend	0.9195	Same	0.6132	No Trend
JMSMH	Winter	SPO4F	0.8166	<0.0001	No Trend	0.0376	-0.0007	No Trend	0.0425	Same	0.0833	No Trend
JMSMH	Winter	BPO4F	1.0000	<0.0001	No Trend	0.4742	-0.0002	No Trend	0.4797	Same	0.5446	No Trend

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
JMSPH	Winter	STN	0.7124	-0.0134	No Trend	0.6981	-0.0027	No Trend	0.9354	Same	0.5706	No Trend
JMSPH	Winter	BTN	0.8250	0.0028	No Trend	0.8842	-0.0037	No Trend	0.7766	Same	0.9677	No Trend
JMSPH	Winter	SDIN	0.3317	-0.0076	No Trend	0.0992	-0.0082	No Trend	0.4160	Same	0.0509	No Trend
JMSPH	Winter	BDIN	0.5921	<0.0001	No Trend	0.2074	-0.0017	No Trend	0.1637	Same	0.4609	No Trend
JMSPH	Winter	STP	0.3007	-0.0010	No Trend	0.4379	0.0002	No Trend	0.2088	Same	0.9677	No Trend
JMSPH	Winter	BTP	0.4174	-0.0021	No Trend	0.5607	-0.0007	No Trend	1.0000	Same	0.3309	No Trend
JMSPH	Winter	SPO4F	0.4367	<0.0001	No Trend	0.3775	-0.0002	High BDLs	0.7716	Same	0.2291	No Trend
JMSPH	Winter	BPO4F	0.7531	<0.0001	No Trend	0.0187	-0.0005	No Trend	0.0738	Same	0.0275	No Trend
ELIPH	Winter	STN	0.8485	-0.0040	No Trend	0.8485	-0.0040	No Trend	1.0000	Same	0.7357	No Trend
ELIPH	Winter	BTN	0.0710	-0.0296	No Trend	0.0710	-0.0296	No Trend	1.0000	Same	0.0086	Improving
ELIPH	Winter	SDIN	0.6906	<0.0001	No Trend	0.3396	-0.0187	No Trend	0.7305	Same	0.3014	No Trend
ELIPH	Winter	BDIN	1.0000	<0.0001	No Trend	0.7500	-0.0067	No Trend	0.7516	Same	0.8742	No Trend
ELIPH	Winter	STP	0.3855	-0.0007	No Trend	0.3855	-0.0007	No Trend	1.0000	Same	0.1923	No Trend
ELIPH	Winter	BTP	0.5019	0.0018	No Trend	0.5019	0.0018	No Trend	1.0000	Same	0.3089	No Trend
ELIPH	Winter	SPO4F	1.0000	<0.0001	No Trend	0.2807	-0.0004	No Trend	0.4372	Same	0.3512	No Trend
ELIPH	Winter	BPO4F	0.5232	<0.0001	No Trend	1.0000	<0.0001	No Trend	0.7196	Same	0.6153	No Trend
PMKTF	Winter	STN	0.8595	0.0036	No Trend	0.0050	0.0220	Degrading	0.0322	Same	0.0144	No Trend
PMKTF	Winter	BTN	0.1349	-0.0255	No Trend	0.0897	0.0176	No Trend	0.0219	Same	0.5667	No Trend
PMKTF	Winter	SDIN	0.5983	-0.0100	No Trend	0.0082	0.0256	Degrading	0.0103	Same	0.0558	No Trend
PMKTF	Winter	BDIN	0.4521	-0.0183	No Trend	0.0257	0.0256	No Trend	0.0178	Same	0.1222	No Trend
PMKTF	Winter	STP	0.6569	0.0023	No Trend	0.1964	0.0016	No Trend	0.4331	Same	0.1702	No Trend
PMKTF	Winter	BTP	0.2831	0.0020	No Trend	0.3116	0.0018	No Trend	0.8769	Same	0.1342	No Trend
PMKTF	Winter	SPO4F	0.4047	<0.0001	No Trend	0.0586	-0.0007	No Trend	0.1396	Same	0.0348	No Trend
PMKTF	Winter	BPO4F	0.3827	<0.0001	No Trend	0.0201	-0.0006	No Trend	0.0507	Same	0.0114	No Trend
PMKOH	Winter	STN	0.2518	-0.0267	No Trend	0.0090	0.0387	Degrading	0.0049	Different	0.2087	-
PMKOH	Winter	BTN	0.8604	-0.0100	No Trend	0.0651	0.0836	No Trend	0.0671	Same	0.1213	No Trend
PMKOH	Winter	SDIN	0.0684	-0.0150	No Trend	0.1971	0.0154	No Trend	0.0307	Same	0.9558	No Trend
PMKOH	Winter	BDIN	0.3865	-0.0104	No Trend	0.1540	0.0243	No Trend	0.0879	Same	0.3431	No Trend
PMKOH	Winter	STP	1.0000	<0.0001	No Trend	0.1280	0.0055	No Trend	0.2445	Same	0.2005	No Trend
PMKOH	Winter	BTP	0.5919	0.0035	No Trend	0.2179	0.0194	No Trend	0.4442	Same	0.1607	No Trend
PMKOH	Winter	SPO4F	0.7656	<0.0001	No Trend	0.4915	-0.0004	No Trend	0.6620	Same	0.4168	No Trend
PMKOH	Winter	BPO4F	1.0000	<0.0001	No Trend	0.3378	-0.0005	No Trend	0.3721	Same	0.3721	No Trend
MPNTF	Winter	STN	0.5983	-0.0235	No Trend	0.0077	0.0213	Degrading	0.0096	Different	0.0520	-
MPNTF	Winter	BTN	1.0000	0.0038	No Trend	0.0308	0.0157	No Trend	0.0545	Same	0.0545	No Trend
MPNTF	Winter	SDIN	0.3359	-0.0121	No Trend	0.0064	0.0203	Degrading	0.0039	Different	0.0690	-
MPNTF	Winter	BDIN	1.0000	-0.0010	No Trend	0.0116	0.0188	No Trend	0.0202	Same	0.0265	No Trend
MPNTF	Winter	STP	0.1228	0.0025	No Trend	0.9179	<0.0001	No Trend	0.3701	Same	0.4734	No Trend
MPNTF	Winter	BTP	0.0998	0.0050	No Trend	0.5667	0.0006	No Trend	0.6932	Same	0.1674	No Trend
MPNTF	Winter	SPO4F	0.2433	<0.0001	No Trend	0.0013	-0.0008	Improving	0.0074	Different	0.0005	-
MPNTF	Winter	BPO4F	0.7423	<0.0001	No Trend	0.0034	-0.0008	Improving	0.0096	Different	0.0035	-
MPNOH	Winter	STN	1.0000	<0.0001	No Trend	0.0682	0.0198	No Trend	0.1293	Same	0.1293	No Trend
MPNOH	Winter	BTN	1.0000	-0.0017	No Trend	0.0705	0.0185	No Trend	0.0898	Same	0.1133	No Trend
MPNOH	Winter	SDIN	0.3271	-0.0117	No Trend	0.0277	0.0168	No Trend	0.0149	Same	0.1898	No Trend
MPNOH	Winter	BDIN	1.0000	<0.0001	No Trend	0.0395	0.0209	No Trend	0.0660	Same	0.0516	No Trend
MPNOH	Winter	STP	0.3284	-0.0043	No Trend	0.9123	0.0001	No Trend	0.5124	Same	0.6398	No Trend
MPNOH	Winter	BTP	0.1948	0.0075	No Trend	0.1189	0.0058	No Trend	0.5168	Same	0.0401	No Trend
MPNOH	Winter	SPO4F	0.7656	<0.0001	No Trend	0.9108	<0.0001	No Trend	0.9582	Same	0.7932	No Trend
MPNOH	Winter	BPO4F	0.5959	<0.0001	No Trend	0.6773	-0.0001	No Trend	0.8658	Same	0.5354	No Trend

Appendix B. - Section I. Continued.

Segment	Season	Parameter	'93 Trend P value	'93 Slope	'93 Trend Direction	'06 Trend P value	'06 Slope	'06 Trend Direction	Trend Comparison P value	Trend Comparison	Combined Trend P value	Combined Trend Direction
YRKMH	Winter	STN	0.5403	-0.0142	No Trend	0.0897	0.0092	No Trend	0.0768	Same	0.3619	No Trend
YRKMH	Winter	BTN	0.2330	0.0450	No Trend	0.1540	0.0257	No Trend	0.4585	Same	0.0638	No Trend
YRKMH	Winter	SDIN	0.3798	-0.0108	No Trend	0.5745	0.0045	No Trend	0.3091	Same	0.9190	No Trend
YRKMH	Winter	BDIN	1.0000	<0.0001	No Trend	0.6624	0.0047	No Trend	0.6866	Same	0.6866	No Trend
YRKMH	Winter	STP	0.0509	0.0050	No Trend	0.4479	0.0015	No Trend	0.5710	Same	0.0715	No Trend
YRKMH	Winter	BTP	0.0545	0.0075	No Trend	0.1641	0.0067	No Trend	0.8703	Same	0.0257	No Trend
YRKMH	Winter	SPO4F	0.3498	<0.0001	No Trend	0.7224	0.0001	No Trend	0.8370	Same	0.4105	No Trend
YRKMH	Winter	BPO4F	0.1223	<0.0001	No Trend	0.8137	0.0001	No Trend	0.6638	Same	0.3846	No Trend
YRKPH	Winter	STN	0.2853	-0.0100	No Trend	0.1540	0.0124	No Trend	0.0663	Same	0.6165	No Trend
YRKPH	Winter	BTN	0.8964	-0.0050	No Trend	0.8386	0.0043	No Trend	0.7634	Same	0.9520	No Trend
YRKPH	Winter	SDIN	0.3245	-0.0043	No Trend	0.7551	-0.0005	No Trend	0.7518	Same	0.3991	No Trend
YRKPH	Winter	BDIN	0.1486	-0.0044	No Trend	0.7066	0.0003	No Trend	0.3082	Same	0.7341	No Trend
YRKPH	Winter	STP	0.0621	0.0023	No Trend	0.2059	0.0009	No Trend	0.9179	Same	0.0305	No Trend
YRKPH	Winter	BTP	0.0080	0.0025	Degrading	0.9459	-0.0003	No Trend	0.1053	Same	0.1316	No Trend
YRKPH	Winter	SPO4F	0.0205	<0.0001	No Trend	0.5935	-0.0002	No Trend	0.1536	Same	0.6606	No Trend
YRKPH	Winter	BPO4F	0.0573	<0.0001	No Trend	0.9529	<0.0001	No Trend	0.5729	Same	0.4987	No Trend
RPPTF	Winter	STN	0.0662	-0.0514	No Trend	0.5820	0.0072	No Trend	0.1360	Same	0.5761	No Trend
RPPTF	Winter	BTN	0.0034	-0.0910	Improving	0.5089	0.0138	No Trend	0.0583	Same	0.4854	No Trend
RPPTF	Winter	SDIN	0.9300	0.0058	No Trend	0.0448	0.0190	No Trend	0.1004	Same	0.0687	No Trend
RPPTF	Winter	BDIN	0.9066	-0.0030	No Trend	0.0569	0.0181	No Trend	0.0661	Same	0.0991	No Trend
RPPTF	Winter	STP	0.4621	-0.0014	No Trend	0.7246	-0.0013	No Trend	0.8820	Same	0.4579	No Trend
RPPTF	Winter	BTP	0.0302	-0.0100	No Trend	0.9065	-0.0002	No Trend	0.2895	Same	0.2073	No Trend
RPPTF	Winter	SPO4F	0.3355	<0.0001	No Trend	0.0014	-0.0010	Improving	0.0121	Same	0.0008	Improving
RPPTF	Winter	BPO4F	0.1168	<0.0001	No Trend	0.0011	-0.0012	Improving	0.0242	Same	0.0002	Improving
RPPMH	Winter	STN	0.4731	0.0081	No Trend	0.6981	0.0055	No Trend	0.9340	Same	0.4559	No Trend
RPPMH	Winter	BTN	0.2688	0.0125	No Trend	0.6981	-0.0074	No Trend	0.3309	Same	0.7459	No Trend
RPPMH	Winter	SDIN	1.0000	-0.0004	No Trend	0.6981	0.0039	No Trend	0.7090	Same	0.7716	No Trend
RPPMH	Winter	BDIN	1.0000	0.0017	No Trend	0.9227	0.0017	No Trend	0.9677	Same	0.9032	No Trend
RPPMH	Winter	STP	0.0385	0.0025	No Trend	0.6974	-0.0002	No Trend	0.1329	Same	0.3938	No Trend
RPPMH	Winter	BTP	0.0346	0.0033	No Trend	0.7711	0.0003	No Trend	0.3481	Same	0.1534	No Trend
RPPMH	Winter	SPO4F	0.3378	<0.0001	No Trend	0.8061	<0.0001	No Trend	0.5480	Same	0.8897	No Trend
RPPMH	Winter	BPO4F	0.3378	<0.0001	No Trend	0.3763	0.0001	No Trend	0.2291	Same	0.6437	No Trend
RPPOH	Winter	STN	0.1265	-0.0575	No Trend	0.6347	0.0132	No Trend	0.1842	Same	0.5801	No Trend
RPPOH	Winter	BTN	0.8943	-0.0180	No Trend	0.3775	0.0290	No Trend	0.3645	Same	0.5061	No Trend
RPPOH	Winter	SDIN	0.0684	-0.0400	No Trend	0.0781	0.0341	No Trend	0.0123	Same	0.6165	No Trend
RPPOH	Winter	BDIN	0.0842	-0.0447	No Trend	0.0345	0.0339	No Trend	0.0072	Different	0.2374	-
RPPOH	Winter	STP	0.0323	0.0050	No Trend	1.0000	0.0005	No Trend	0.2226	Same	0.2226	No Trend
RPPOH	Winter	BTP	0.0188	0.0100	No Trend	0.7043	0.0041	No Trend	0.3549	Same	0.1145	No Trend
RPPOH	Winter	SPO4F	0.7423	<0.0001	No Trend	0.5510	-0.0002	No Trend	0.4662	Same	0.6948	No Trend
RPPOH	Winter	BPO4F	0.4533	<0.0001	No Trend	0.3378	-0.0004	No Trend	0.4845	Same	0.2440	No Trend
CRRMH	Winter	STN	0.0517	0.0300	No Trend	0.3564	0.0090	No Trend	0.5873	Same	0.0466	No Trend
CRRMH	Winter	BTN	0.2911	0.0300	No Trend	0.4422	0.0072	No Trend	1.0000	Same	0.1986	No Trend
CRRMH	Winter	SDIN	0.9209	<0.0001	No Trend	0.8733	-0.0003	No Trend	0.8036	Same	1.0000	No Trend
CRRMH	Winter	BDIN	0.6318	0.0080	No Trend	0.3900	0.0035	No Trend	0.7269	Same	0.2948	No Trend
CRRMH	Winter	STP	0.1943	0.0025	No Trend	0.2757	0.0007	No Trend	1.0000	Same	0.0862	No Trend
CRRMH	Winter	BTP	0.0391	0.0023	No Trend	0.7713	-0.0001	No Trend	0.1209	Same	0.2750	No Trend
CRRMH	Winter	SPO4F	-	<0.0001	-	0.1308	0.0001	No Trend	0.1308	Same	0.1308	No Trend
CRRMH	Winter	BPO4F	0.2801	<0.0001	No Trend	0.0343	0.0002	No Trend	0.0152	Same	0.1386	No Trend

Appendix B - Section II. Seasonal Kendall Long-term trends in water quality for the Virginia tributaries (1985-2006). 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	2.00	0.1715	0.000	30.940	0.00	No Trend	0.0515
APPTF	Annual	S	STSS	0.00	0.4189	-0.077	19.500	-7.50	No Trend	0.4880
APPTF	Annual	B	BTSS	0.00	0.5001	-0.150	27.250	-10.46	No Trend	0.8244
APPTF	Annual	S	SECCHI	0.00	0.0004	0.000	0.500	0.00	Unchanged	0.3564
APPTF	Annual	B	BDO	0.00	0.0026	0.030	8.950	7.37	Improving	0.0617
APPTF	Annual	S	SSALINITY	0.00	0.0391	0.000	0.010	0.00	No Trend	0.8463
APPTF	Annual	B	BSALINITY	0.00	0.0168	0.000	0.010	0.00	No Trend	0.9005
APPTF	Annual	S	SWTEMP	0.00	0.0065	0.058	19.675	6.52	Increasing	0.0965
APPTF	Annual	B	BWTEMP	0.00	0.0206	0.057	19.000	6.62	No Trend	0.1966
JMSTF1	Annual	S	SCHLA	5.00	0.1059	0.000	16.560	0.00	No Trend	0.0826
JMSTF1	Annual	S	STSS	0.00	0.1756	0.167	19.750	16.03	No Trend	0.4720
JMSTF1	Annual	B	BTSS	0.00	0.2732	0.333	172.000	4.26	No Trend	0.9334
JMSTF1	Annual	S	SECCHI	0.00	0.0000	-0.006	0.600	-22.92	Degrading	0.0953
JMSTF1	Annual	B	BDO	0.00	0.0024	0.027	7.825	7.68	Improving	0.7881
JMSTF1	Annual	S	SSALINITY	0.00	0.0185	0.000	0.010	0.00	No Trend	0.9976
JMSTF1	Annual	B	BSALINITY	0.00	0.0366	0.000	0.010	0.00	No Trend	0.9884
JMSTF1	Annual	S	SWTEMP	0.00	0.2165	0.027	18.500	3.17	No Trend	0.0656
JMSTF1	Annual	B	BWTEMP	0.00	0.2292	0.028	18.350	3.34	No Trend	0.1955
JMSTF2	Annual	S	SCHLA	14.00	0.3667	0.000	3.795	0.00	No Trend	0.9992
JMSTF2	Annual	S	STSS	0.00	0.5343	0.000	9.000	0.00	No Trend	0.3451
JMSTF2	Annual	B	BTSS	0.00	0.0141	0.263	16.250	30.69	No Trend	0.3099
JMSTF2	Annual	S	SECCHI	0.00	0.0263	-0.010	1.000	-22.00	No Trend	0.4220
JMSTF2	Annual	B	BDO	0.00	0.1712	0.012	7.750	3.41	No Trend	0.5229
JMSTF2	Annual	S	SSALINITY	0.00	0.0190	0.000	0.010	0.00	No Trend	0.7336
JMSTF2	Annual	B	BSALINITY	0.00	0.0069	0.000	0.010	0.00	Unchanged	0.9698
JMSTF2	Annual	S	SWTEMP	0.00	0.5319	0.016	18.775	1.93	No Trend	0.4884
JMSTF2	Annual	B	BWTEMP	0.00	0.1578	0.037	19.000	4.34	No Trend	0.2030
CHKOH	Annual	S	SCHLA	0.00	0.0000	-0.475	22.345	-40.39	Improving	0.1062
CHKOH	Annual	S	STSS	0.00	0.1821	0.154	17.500	16.70	No Trend	0.4859
CHKOH	Annual	B	BTSS	0.00	0.0035	0.806	27.000	56.69	Degrading	0.5098
CHKOH	Annual	S	SECCHI	0.00	0.0000	-0.009	0.600	-27.94	Degrading	0.1507
CHKOH	Annual	B	BDO	0.00	0.8724	0.000	8.875	0.00	No Trend	0.1299
CHKOH	Annual	S	SSALINITY	0.00	0.0147	0.000	0.010	0.00	No Trend	0.7703
CHKOH	Annual	B	BSALINITY	0.00	0.0122	0.000	0.010	0.00	No Trend	0.7541
CHKOH	Annual	S	SWTEMP	0.00	0.3281	0.024	16.000	2.86	No Trend	0.1263
CHKOH	Annual	B	BWTEMP	0.00	0.2777	0.022	15.600	2.64	No Trend	0.1234
JMSOH	Annual	S	SCHLA	6.00	0.1184	-0.034	7.215	-10.24	No Trend	0.0687
JMSOH	Annual	S	STSS	0.00	0.2163	-0.188	662.000	-0.62	No Trend	0.1761
JMSOH	Annual	B	BTSS	0.00	0.8131	-0.167	290.000	-1.26	No Trend	0.3690
JMSOH	Annual	S	SECCHI	0.00	0.7966	0.000	0.525	0.00	No Trend	0.3266
JMSOH	Annual	B	BDO	0.00	0.2067	-0.010	8.075	-2.72	No Trend	0.2788
JMSOH	Annual	S	SSALINITY	0.00	0.1044	0.017	2.718	13.49	No Trend	0.6799
JMSOH	Annual	B	BSALINITY	0.00	0.0601	0.032	3.470	20.39	No Trend	0.6325
JMSOH	Annual	S	SWTEMP	0.00	0.3251	0.022	18.300	2.67	No Trend	0.1297
JMSOH	Annual	B	BWTEMP	0.00	0.3730	0.017	18.475	2.08	No Trend	0.1460

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
JMSMH	Annual	S	SCHLA	8.00	0.0907	0.018	4.465	8.82	No Trend	0.0374
JMSMH	Annual	S	STSS	1.00	0.4656	-0.031	15.000	-4.58	No Trend	0.8619
JMSMH	Annual	B	BTSS	0.00	0.0001	0.667	142.000	10.33	Degrading	0.4976
JMSMH	Annual	S	SECCHI	0.00	0.6060	0.000	0.950	0.00	No Trend	0.5925
JMSMH	Annual	B	BDO	0.00	0.7233	0.003	7.500	0.81	No Trend	0.0136
JMSMH	Annual	S	SSALINITY	0.00	0.8295	0.009	14.958	1.31	No Trend	0.7797
JMSMH	Annual	B	BSALINITY	0.00	0.7837	-0.009	18.345	-1.03	No Trend	0.5732
JMSMH	Annual	S	SWTEMP	0.00	0.6936	0.005	20.125	0.55	No Trend	0.3172
JMSMH	Annual	B	BWTEMP	0.00	0.4949	0.010	19.900	1.11	No Trend	0.1606
JMSPH	Annual	S	SCHLA	11.00	0.0010	0.087	8.188	23.48	Degrading	0.0009
JMSPH	Annual	S	STSS	1.00	0.3487	0.032	8.250	8.51	No Trend	0.4884
JMSPH	Annual	B	BTSS	0.00	0.0773	-0.161	18.450	-19.16	No Trend	0.0197
JMSPH	Annual	S	SECCHI	0.00	0.0000	-0.013	1.300	-21.15	Degrading	0.7468
JMSPH	Annual	B	BDO	0.00	0.0000	0.050	7.625	14.43	Improving	0.6172
JMSPH	Annual	S	SSALINITY	0.00	0.0048	-0.077	21.560	-7.88	Decreasing	0.9307
JMSPH	Annual	B	BSALINITY	0.00	0.0000	-0.178	24.640	-15.89	Decreasing	0.4786
JMSPH	Annual	S	SWTEMP	0.00	0.4153	0.009	17.400	1.20	No Trend	0.3013
JMSPH	Annual	B	BWTEMP	0.00	0.0002	0.064	16.950	8.25	Increasing	0.1002
WBEMH	Annual	S	STN	0.00	0.9445	-0.0001	0.8	-0.21	No Trend	0.7437
WBEMH	Annual	B	BTN	0.00	0.8403	-0.0005	0.791	-1.07	No Trend	0.8227
WBEMH	Annual	S	SDIN	10.38	0.9279	0.0000	0.19795	0.00	No Trend	0.9734
WBEMH	Annual	B	BDIN	5.84	0.3910	-0.0008	0.25685	-5.61	No Trend	0.8977
WBEMH	Annual	S	STP	0.00	0.0288	-0.0006	0.083	-12.00	No Trend	0.8867
WBEMH	Annual	B	BTP	0.00	0.0135	-0.0006	0.0795	-13.10	No Trend	0.5139
WBEMH	Annual	S	SPO4F	28.91	0.0362	0.0000	0.0345	-	No Trend	0.9240
WBEMH	Annual	B	BPO4F	30.10	0.0108	0.0000	0.033	-	No Trend	0.9946
WBEMH	Annual	S	SCHLA	0.35	0.5108	-0.0888	23	-6.95	No Trend	0.3678
WBEMH	Annual	S	STSS	0.00	0.1848	-0.1286	20.6	-11.23	No Trend	0.2602
WBEMH	Annual	B	BTSS	0.00	0.3047	-0.1588	20.5	-13.95	No Trend	0.4907
WBEMH	Annual	S	SECCHI	0.00	0.2598	0.0000	0.6	0.00	No Trend	0.5948
WBEMH	Annual	B	BDO	0.00	0.7895	-0.0037	6.9	-0.97	No Trend	0.7374
WBEMH	Annual	S	SSALINITY	0.00	0.2476	-0.0606	15.9	-6.86	No Trend	0.5720
WBEMH	Annual	B	BSALINITY	0.00	0.1308	-0.0650	16.7	-7.01	No Trend	0.7606
WBEMH	Annual	B	BWTEMP	0.00	0.0035	0.0750	16.15	8.36	Increasing	0.5813
WBEMH	Annual	S	SWTEMP	0.00	0.0248	0.0550	17	5.82	No Trend	0.5903
SBEMH	Annual	S	STN	0.00	0.0001	-0.0140	1.333	-18.87	Improving	0.1501
SBEMH	Annual	B	BTN	0.00	0.0438	-0.0055	1.07	-9.25	No Trend	0.5097
SBEMH	Annual	S	SDIN	0.00	0.0000	-0.0136	0.73755	-33.23	Improving	0.5823
SBEMH	Annual	B	BDIN	0.00	0.0258	-0.0045	0.585525	-13.98	No Trend	0.4674
SBEMH	Annual	S	STP	0.00	0.0000	-0.0013	0.0735	-31.05	Improving	0.4349
SBEMH	Annual	B	BTP	0.00	0.0000	-0.0016	0.07875	-36.24	Improving	0.8073
SBEMH	Annual	S	SPO4F	10.25	0.0002	-0.0006	0.04775	-21.91	Improving	0.9615
SBEMH	Annual	B	BPO4F	12.85	0.0000	-0.0007	0.04775	-27.33	Improving	0.9688
SBEMH	Annual	S	SCHLA	10.13	0.0179	-0.0625	4.05	-27.78	No Trend	0.4365
SBEMH	Annual	S	STSS	0.76	0.0001	-0.2078	8.575	-43.63	Improving	0.7819
SBEMH	Annual	B	BTSS	0.26	0.0000	-0.5332	13.075	-73.41	Improving	0.9928
SBEMH	Annual	S	SECCHI	0.00	0.4194	0.0000	0.75	0.00	No Trend	0.5670
SBEMH	Annual	B	BDO	0.00	0.0100	0.0426	5.25	14.61	Improving	0.8807
SBEMH	Annual	S	SSALINITY	0.00	0.2047	0.0544	14.75	6.64	No Trend	0.7300
SBEMH	Annual	B	BSALINITY	0.00	0.0477	-0.0939	18.45	-9.16	No Trend	0.9732
SBEMH	Annual	B	BWTEMP	0.00	0.0000	0.1688	17.1	17.76	Increasing	0.5516
SBEMH	Annual	S	SWTEMP	0.00	0.0014	0.0900	18.2	8.90	Increasing	0.1463

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
EBEMH	Annual	S	STN	0.00	0.1038	-0.0057	1.04	-9.90	No Trend	0.1876
EBEMH	Annual	B	BTN	0.00	0.0068	-0.0052	0.855	-11.01	Improving	0.4396
EBEMH	Annual	S	SDIN	0.00	0.0023	-0.0062	0.50685	-21.89	Improving	0.8652
EBEMH	Annual	B	BDIN	0.00	0.0172	-0.0044	0.4902	-16.00	No Trend	0.8753
EBEMH	Annual	S	STP	0.00	0.0002	-0.0008	0.0745	-19.07	Improving	0.1569
EBEMH	Annual	B	BTP	0.00	0.0000	-0.0009	0.074	-22.80	Improving	0.3388
EBEMH	Annual	S	SPO4F	20.41	0.0237	-0.0002	0.0435	-	No Trend	0.9009
EBEMH	Annual	B	BPO4F	19.39	0.0090	-0.0002	0.0455	-	Improving	0.8835
EBEMH	Annual	S	SCHLA	5.10	0.2908	0.0507	6.6	13.84	No Trend	0.0928
EBEMH	Annual	S	STSS	0.51	0.0001	-0.1909	9.95	-34.54	Improving	0.0480
EBEMH	Annual	B	BTSS	0.00	0.0005	-0.3357	12.15	-49.74	Improving	0.7609
EBEMH	Annual	S	SECCHI	0.00	0.4361	0.0000	1	0.00	No Trend	0.3454
EBEMH	Annual	B	BDO	0.00	0.0089	0.0389	6.1	11.49	Improving	0.4972
EBEMH	Annual	S	SSALINITY	0.00	0.7348	-0.0086	16.85	-0.92	No Trend	0.4620
EBEMH	Annual	B	BSALINITY	0.00	0.1466	-0.0514	18.4	-5.03	No Trend	0.8355
EBEMH	Annual	B	BWTEMP	0.00	0.0004	0.0786	15.9	8.89	Increasing	0.1132
EBEMH	Annual	S	SWTEMP	0.00	0.0114	0.0612	17	6.48	No Trend	0.4576
LAFMH	Annual	S	STN	0.00	0.0187	0.0114	0.6175	16.58	No Trend	0.9862
LAFMH	Annual	B	BTN	0.00	0.2492	0.0053	0.601	7.90	No Trend	0.7979
LAFMH	Annual	S	SDIN	10.06	0.4069	0.0015	0.1405	9.61	No Trend	0.6516
LAFMH	Annual	B	BDIN	8.15	0.4640	0.0026	0.1395	16.87	No Trend	0.7924
LAFMH	Annual	S	STP	0.00	0.3410	0.0006	0.064	8.44	No Trend	0.1731
LAFMH	Annual	B	BTP	0.00	0.6554	0.0006	0.06075	9.14	No Trend	0.5188
LAFMH	Annual	S	SPO4F	20.74	0.7375	0.0000	0.016	-	No Trend	0.2836
LAFMH	Annual	B	BPO4F	19.69	0.6144	0.0000	0.015	-	No Trend	0.4423
LAFMH	Annual	S	SCHLA	0.00	0.0879	0.5750	10.025	51.62	No Trend	0.4434
LAFMH	Annual	S	STSS	0.00	0.1037	0.5000	15.5	29.03	No Trend	0.2571
LAFMH	Annual	B	BTSS	0.00	0.8108	0.0000	19.5	0.00	No Trend	0.2944
LAFMH	Annual	S	SECCHI	0.00	0.1250	-0.0100	0.725	-12.41	No Trend	0.5513
LAFMH	Annual	B	BDO	0.00	0.0022	0.1149	7.5225	13.75	Improving	0.4471
LAFMH	Annual	S	SSALINITY	0.00	0.6706	-0.0983	17.825	-4.96	No Trend	0.8654
LAFMH	Annual	B	BSALINITY	0.00	0.5338	-0.1200	17.95	-6.02	No Trend	0.8823
LAFMH	Annual	B	BWTEMP	0.00	0.3105	0.0667	16.2575	3.69	No Trend	0.5662
LAFMH	Annual	S	SWTEMP	0.00	0.2386	0.0929	16.115	5.19	No Trend	0.5405
ELIPH	Annual	S	SCHLA	1.19	0.8771	-0.0035	8.63	-0.90	No Trend	0.2511
ELIPH	Annual	S	STSS	0.00	0.0001	-0.2164	8	-59.52	Improving	0.6757
ELIPH	Annual	B	BTSS	0.00	0.0001	-0.4300	16	-59.13	Improving	0.8530
ELIPH	Annual	S	SECCHI	0.00	0.0000	-0.0083	1.1	-16.67	DEGRADING	0.8192
ELIPH	Annual	B	BDO	0.00	0.0976	0.0125	6.7	4.10	No Trend	0.2627
ELIPH	Annual	S	SSALINITY	0.00	0.0143	-0.0917	21.0125	-9.60	No Trend	0.9128
ELIPH	Annual	B	BSALINITY	0.00	0.0000	-0.1518	24.08	-13.86	Decreasing	0.9981
ELIPH	Annual	B	BWTEMP	0.00	0.0410	0.0440	17.9	5.40	No Trend	0.1715
ELIPH	Annual	S	SWTEMP	0.00	0.0084	0.0464	20	5.11	Increasing	0.3006
PMKTF	Annual	S	SCHLA	5.00	0.0134	0.000	3.100	0.00	No Trend	0.1303
PMKTF	Annual	S	STSS	0.00	0.0389	0.200	14.000	27.14	No Trend	0.9580
PMKTF	Annual	B	BTSS	0.00	0.1565	-0.200	20.500	-18.54	No Trend	0.7786
PMKTF	Annual	S	SECCHI	0.00	0.0009	-0.006	0.700	-19.64	Degrading	0.1972
PMKTF	Annual	B	BDO	0.00	0.0661	0.017	6.825	5.57	No Trend	0.0456
PMKTF	Annual	S	SSALINITY	0.00	0.0002	0.000	0.010	0.00	Unchanged	0.9598
PMKTF	Annual	B	BSALINITY	0.00	0.0003	0.000	0.010	0.00	Unchanged	0.9723
PMKTF	Annual	S	SWTEMP	0.00	0.2029	0.027	18.000	3.30	No Trend	0.0099
PMKTF	Annual	B	BWTEMP	0.00	0.2497	0.025	19.100	2.93	No Trend	0.0098

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
PMKOH	Annual	S	SCHLA	2.00	0.4084	0.000	6.383	0.00	No Trend	0.6259
PMKOH	Annual	S	STSS	2.00	0.0782	-0.500	48.000	-22.92	No Trend	0.6362
PMKOH	Annual	B	BTSS	0.00	0.2752	-1.028	102.000	-19.14	No Trend	0.8617
PMKOH	Annual	S	SECCHI	0.00	0.0206	0.000	0.300	0.00	No Trend	0.9254
PMKOH	Annual	B	BDO	0.00	0.8379	0.000	6.200	0.00	No Trend	0.2497
PMKOH	Annual	S	SSALINITY	0.00	0.1424	0.016	3.490	9.93	No Trend	0.9622
PMKOH	Annual	B	BSALINITY	0.00	0.2227	0.016	4.310	8.08	No Trend	0.9833
PMKOH	Annual	S	SWTEMP	0.00	0.6356	-0.008	20.550	-0.89	No Trend	0.0144
PMKOH	Annual	B	BWTEMP	0.00	0.8477	-0.004	20.525	-0.45	No Trend	0.0216
MPNTF	Annual	S	SCHLA	4.00	0.1026	0.000	3.100	0.00	No Trend	0.9128
MPNTF	Annual	S	STSS	0.00	0.5249	0.000	6.750	0.00	No Trend	0.3873
MPNTF	Annual	B	BTSS	0.00	0.6913	0.000	8.250	0.00	No Trend	0.2186
MPNTF	Annual	S	SECCHI	0.00	0.0000	-0.013	1.000	-27.50	Degrading	0.0389
MPNTF	Annual	B	BDO	0.00	0.2642	0.009	6.975	2.88	No Trend	0.2136
MPNTF	Annual	S	SSALINITY	0.00	0.0118	0.000	0.010	0.00	No Trend	0.9955
MPNTF	Annual	B	BSALINITY	0.00	0.0118	0.000	0.010	0.00	No Trend	0.9950
MPNTF	Annual	S	SWTEMP	0.00	0.0184	0.066	17.500	8.31	No Trend	0.0387
MPNTF	Annual	B	BWTEMP	0.00	0.0559	0.050	18.575	5.96	No Trend	0.0428
MPNOH	Annual	S	SCHLA	2.00	0.1868	0.000	4.245	0.00	No Trend	0.7000
MPNOH	Annual	S	STSS	1.00	0.7798	0.000	26.000	0.00	No Trend	0.1204
MPNOH	Annual	B	BTSS	0.00	0.1524	0.500	44.000	25.00	No Trend	0.4405
MPNOH	Annual	S	SECCHI	0.00	0.9558	0.000	0.475	0.00	No Trend	0.4788
MPNOH	Annual	B	BDO	0.00	0.1433	0.011	6.075	4.07	No Trend	0.5668
MPNOH	Annual	S	SSALINITY	0.00	0.0090	0.068	3.380	44.12	Increasing	0.9869
MPNOH	Annual	B	BSALINITY	0.00	0.0153	0.077	4.310	39.09	No Trend	0.9919
MPNOH	Annual	S	SWTEMP	0.00	0.2654	0.020	20.500	2.15	No Trend	0.0798
MPNOH	Annual	B	BWTEMP	0.00	0.3814	0.016	20.325	1.68	No Trend	0.0631
YRKMH	Annual	S	SCHLA	2.00	0.1153	0.070	9.590	16.15	No Trend	0.6934
YRKMH	Annual	S	STSS	0.00	0.4699	-0.133	27.000	-9.38	No Trend	0.7675
YRKMH	Annual	B	BTSS	0.00	0.0016	1.365	39.000	66.48	Degrading	0.5063
YRKMH	Annual	S	SECCHI	0.00	0.4698	0.000	0.600	0.00	No Trend	0.3402
YRKMH	Annual	B	BDO	0.00	0.9657	0.000	6.300	0.00	No Trend	0.1765
YRKMH	Annual	S	SSALINITY	0.00	0.5106	-0.026	12.430	-4.65	No Trend	0.8928
YRKMH	Annual	B	BSALINITY	0.00	0.2703	-0.040	13.580	-6.48	No Trend	0.8760
YRKMH	Annual	S	SWTEMP	0.00	0.6220	-0.012	20.050	-1.37	No Trend	0.0104
YRKMH	Annual	B	BWTEMP	0.00	0.8516	0.002	19.900	0.20	No Trend	0.0055
YRKPH	Annual	S	SCHLA	5.00	0.0018	0.093	7.998	25.67	Degrading	0.0678
YRKPH	Annual	S	STSS	3.00	0.0411	0.094	6.000	34.38	No Trend	0.7577
YRKPH	Annual	B	BTSS	0.00	0.0008	0.567	17.750	60.69	Degrading	0.4576
YRKPH	Annual	S	SECCHI	0.00	0.0001	-0.011	1.200	-20.37	Degrading	0.2977
YRKPH	Annual	B	BDO	0.00	0.8709	0.002	6.875	0.56	No Trend	0.1694
YRKPH	Annual	S	SSALINITY	0.00	0.0014	-0.100	20.645	-10.66	Decreasing	0.7701
YRKPH	Annual	B	BSALINITY	0.00	0.0350	-0.058	22.055	-5.77	No Trend	0.5073
YRKPH	Annual	S	SWTEMP	0.00	0.2618	-0.018	19.025	-2.06	No Trend	0.0480
YRKPH	Annual	B	BWTEMP	0.00	0.5258	-0.009	18.725	-1.05	No Trend	0.0327

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
MOBPH	Annual	S	STN	0.00	0.0000	-0.0038	0.4818	-17.23	Improving	0.9986
MOBPH	Annual	B	BTN	0.00	0.0000	-0.0050	0.5213	-21.13	Improving	0.9950
MOBPH	Annual	S	SDIN	0.00	0.0000	-0.0003	0.0438	-13.41	Improving	0.8350
MOBPH	Annual	B	BDIN	0.00	0.0001	-0.0005	0.0620	-18.92	Improving	0.7788
MOBPH	Annual	S	STP	2.00	0.0865	-0.0001	0.0280	-7.86	No Trend	0.2539
MOBPH	Annual	B	BTP	0.00	0.0123	-0.0002	0.0338	-10.86	No Trend	0.8956
MOBPH	Annual	S	SPO4F	60.00	0.0000	0.0000	0.0050	-	High BDLs	0.9454
MOBPH	Annual	B	BPO4F	54.00	0.0005	0.0000	0.0050	-	High BDLs	0.7721
MOBPH	Annual	S	SCHLA	0.00	0.0203	0.085	5.620	33.33	No Trend	0.4282
MOBPH	Annual	S	STSS	1.00	0.0000	-0.223	10.000	-49.04	Improving	0.9392
MOBPH	Annual	B	BTSS	1.00	0.0001	-0.270	15.000	-39.57	Improving	0.3199
MOBPH	Annual	S	SECCHI	0.00	0.0000	-0.019	1.450	-29.18	Degrading	0.5350
MOBPH	Annual	B	BDO	0.00	0.0000	0.050	7.675	14.33	Improving	0.2214
MOBPH	Annual	S	SSALINITY	0.00	0.0003	-0.097	22.215	-9.58	Decreasing	0.9919
MOBPH	Annual	B	BSALINITY	0.00	0.0000	-0.101	22.885	-9.69	Decreasing	0.9362
MOBPH	Annual	S	SWTEMP	0.00	0.2410	0.019	18.450	2.29	No Trend	0.8945
MOBPH	Annual	B	BWTEMP	0.00	0.1084	0.025	17.625	3.12	No Trend	0.8695
RPPTF	Annual	S	SCHLA	2.00	0.2744	0.000	12.390	0.00	No Trend	0.4911
RPPTF	Annual	S	STSS	0.00	0.8921	0.000	24.750	0.00	No Trend	0.8160
RPPTF	Annual	B	BTSS	0.00	0.9501	0.000	36.750	0.00	No Trend	0.7778
RPPTF	Annual	S	SECCHI	0.00	0.0485	0.000	0.500	0.00	No Trend	0.6101
RPPTF	Annual	B	BDO	0.00	0.7670	-0.001	8.600	-0.36	No Trend	0.1877
RPPTF	Annual	S	SSALINITY	0.00	0.0000	0.000	0.010	0.00	Unchanged	0.9822
RPPTF	Annual	B	BSALINITY	0.00	0.0000	0.000	0.010	0.00	Unchanged	0.9214
RPPTF	Annual	S	SWTEMP	0.00	0.3302	0.025	16.325	3.37	No Trend	0.7099
RPPTF	Annual	B	BWTEMP	0.00	0.2315	0.025	17.750	3.10	No Trend	0.8610
RPPOH	Annual	S	SCHLA	2.00	0.0000	0.144	5.035	62.99	Degrading	0.1263
RPPOH	Annual	S	STSS	0.00	0.5039	-0.100	31.000	-6.13	No Trend	0.4023
RPPOH	Annual	B	BTSS	0.00	0.0273	0.556	39.000	27.07	No Trend	0.5499
RPPOH	Annual	S	SECCHI	0.00	0.0083	0.000	0.400	0.00	Unchanged	0.1451
RPPOH	Annual	B	BDO	0.00	0.0934	0.016	8.650	4.00	No Trend	0.2174
RPPOH	Annual	S	SSALINITY	0.00	0.0039	-0.002	2.165	-2.36	Decreasing	0.9518
RPPOH	Annual	B	BSALINITY	0.00	0.0166	0.000	2.588	0.00	No Trend	0.9383
RPPOH	Annual	S	SWTEMP	0.00	0.1442	0.029	16.000	4.04	No Trend	0.2273
RPPOH	Annual	B	BWTEMP	0.00	0.3421	0.018	16.400	2.35	No Trend	0.2463
RPPMH	Annual	S	SCHLA	6.00	0.0007	0.099	8.328	26.17	Degrading	0.0847
RPPMH	Annual	S	STSS	15.00	0.2170	-0.036	7.000	-	No Trend	0.1444
RPPMH	Annual	B	BTSS	1.00	0.3613	0.067	10.750	13.68	No Trend	0.1540
RPPMH	Annual	S	SECCHI	0.00	0.0023	-0.010	1.275	-17.25	Degrading	0.0833
RPPMH	Annual	B	BDO	0.00	0.9092	0.000	7.025	0.00	No Trend	0.7921
RPPMH	Annual	S	SSALINITY	0.00	0.0000	-0.148	15.295	-21.29	Decreasing	0.9987
RPPMH	Annual	B	BSALINITY	0.00	0.0001	-0.109	17.018	-14.12	Decreasing	0.9985
RPPMH	Annual	S	SWTEMP	0.00	0.7882	0.003	17.900	0.38	No Trend	0.2175
RPPMH	Annual	B	BWTEMP	0.00	0.8007	-0.003	16.225	-0.44	No Trend	0.1151
CRRMH	Annual	S	SCHLA	1.00	0.0208	0.051	7.325	15.44	No Trend	0.5335
CRRMH	Annual	S	STSS	7.00	0.0100	0.000	5.000	0.00	Unchanged	0.0177
CRRMH	Annual	B	BTSS	0.00	0.0202	0.000	13.500	0.00	No Trend	0.1507
CRRMH	Annual	S	SECCHI	0.00	0.0000	-0.020	1.950	-22.56	Degrading	0.2413
CRRMH	Annual	B	BDO	0.00	0.7024	-0.008	7.325	-2.25	No Trend	0.6853
CRRMH	Annual	S	SSALINITY	0.00	0.0000	-0.150	16.510	-19.99	Decreasing	0.9936
CRRMH	Annual	B	BSALINITY	0.00	0.0000	-0.122	16.840	-15.89	Decreasing	0.9970
CRRMH	Annual	S	SWTEMP	0.00	0.8012	0.003	18.500	0.37	No Trend	0.4855
CRRMH	Annual	B	BWTEMP	0.00	0.3530	-0.014	17.825	-1.71	No Trend	0.0922

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
PIAMH	Annual	S	STN	0.00	0.0000	-0.0050	0.5618	-19.73	Improving	0.6383
PIAMH	Annual	B	BTN	0.00	0.0000	-0.0053	0.5888	-19.79	Improving	0.4356
PIAMH	Annual	S	SDIN	19.00	0.0000	-0.0013	0.0500	-	Improving	0.1840
PIAMH	Annual	B	BDIN	17.00	0.0000	-0.0012	0.0718	-	Improving	0.5482
PIAMH	Annual	S	STP	1.00	0.0209	-0.0001	0.0205	-11.86	No Trend	0.2260
PIAMH	Annual	B	BTP	0.00	0.0021	-0.0002	0.0248	-14.02	Improving	0.9736
PIAMH	Annual	S	SPO4F	15.00	0.0000	0.0000	0.0050	-	Unchanged	0.9986
PIAMH	Annual	B	BPO4F	15.00	0.0000	0.0000	0.0050	-	Unchanged	0.6800
PIAMH	Annual	S	SCHLA	3.00	0.1330	0.059	7.685	16.94	No Trend	0.9084
PIAMH	Annual	S	STSS	6.00	0.0001	-0.140	6.000	-51.33	Improving	0.6321
PIAMH	Annual	B	BTSS	2.00	0.0001	-0.181	12.250	-32.58	Improving	0.9199
PIAMH	Annual	S	SECCHI	0.00	0.0000	-0.021	1.800	-26.19	Degrading	0.5673
PIAMH	Annual	B	BDO	0.00	0.0000	0.067	8.275	17.72	Improving	0.5340
PIAMH	Annual	S	SSALINITY	0.00	0.0003	-0.109	18.173	-13.14	Decreasing	0.9966
PIAMH	Annual	B	BSALINITY	0.00	0.0003	-0.097	18.915	-11.22	Decreasing	0.9937
PIAMH	Annual	S	SWTEMP	0.00	0.2564	0.023	17.650	2.86	No Trend	0.5603
PIAMH	Annual	B	BWTEMP	0.00	0.7634	0.005	16.875	0.65	No Trend	0.6811
POCMH	Annual	S	STN	0.00	0.0014	-0.0046	0.6895	-14.73	Improving	0.7335
POCMH	Annual	B	BTN	0.00	0.0011	-0.0042	0.6710	-13.75	Improving	0.4760
POCMH	Annual	S	SDIN	0.00	0.0000	-0.0018	0.0735	-52.68	Improving	0.9842
POCMH	Annual	B	BDIN	0.00	0.0000	-0.0017	0.0710	-54.00	Improving	0.9256
POCMH	Annual	S	STP	0.00	0.0392	-0.0002	0.0320	-15.71	No Trend	0.5495
POCMH	Annual	B	BTP	0.00	0.0014	-0.0003	0.0370	-19.82	Improving	0.0841
POCMH	Annual	S	SPO4F	14.00	0.0001	0.0000	0.0050	0.00	Unchanged	0.4513
POCMH	Annual	B	BPO4F	15.00	0.0002	0.0000	0.0050	-	Unchanged	0.6688
POCMH	Annual	S	SCHLA	0.00	0.0472	0.068	8.650	17.29	No Trend	0.4188
POCMH	Annual	S	STSS	0.00	0.0014	-0.273	13.500	-44.56	Improving	0.3324
POCMH	Annual	B	BTSS	0.00	0.0016	-0.300	17.150	-38.48	Improving	0.3488
POCMH	Annual	S	SECCHI	0.00	0.0000	-0.013	1.100	-25.00	Degrading	0.0301
POCMH	Annual	B	BDO	0.00	0.0761	0.013	8.100	3.40	No Trend	0.8285
POCMH	Annual	S	SSALINITY	0.00	0.0003	-0.089	19.020	-10.31	Decreasing	0.9529
POCMH	Annual	B	BSALINITY	0.00	0.0006	-0.073	18.975	-8.52	Decreasing	0.9312
POCMH	Annual	S	SWTEMP	0.00	0.4085	0.013	18.800	1.46	No Trend	0.9684
POCMH	Annual	B	BWTEMP	0.00	0.5854	0.007	18.700	0.88	No Trend	0.9598
CB5MH	Annual	S	STN	0.00	0.0067	-0.0028	0.6205	-10.06	Improving	0.9882
CB5MH	Annual	B	BTN	0.00	0.0001	-0.0041	0.6480	-13.89	Improving	0.6191
CB5MH	Annual	S	SDIN	5.00	0.0040	-0.0010	0.1269	-16.62	Improving	0.5785
CB5MH	Annual	B	BDIN	0.00	0.0013	-0.0020	0.1546	-29.05	Improving	0.4047
CB5MH	Annual	S	STP	3.00	0.0001	0.0001	0.0224	13.85	Degrading	0.5915
CB5MH	Annual	B	BTP	0.00	0.0021	0.0002	0.0339	12.99	Degrading	0.1626
CB5MH	Annual	S	SPO4F	83.00	0.2909	0.0000	0.0050	-	High BDLs	0.0682
CB5MH	Annual	B	BPO4F	37.00	0.4830	0.0000	0.0050	-	High BDLs	0.0286
CB5MH	Annual	S	SCHLA	0.00	0.0056	0.083	6.600	27.77	Degrading	0.5194
CB5MH	Annual	S	STSS	27.00	0.0309	-0.033	5.288	-	No Trend	0.4029
CB5MH	Annual	B	BTSS	3.00	0.2717	-0.029	9.875	-6.51	No Trend	0.1502
CB5MH	Annual	S	SECCHI	0.00	0.0000	-0.022	2.000	-24.06	Degrading	0.3506
CB5MH	Annual	B	BDO	0.00	0.1895	0.013	6.375	4.31	No Trend	0.2943
CB5MH	Annual	S	SSALINITY	0.00	0.0010	-0.085	16.330	-11.45	Decreasing	0.9951
CB5MH	Annual	B	BSALINITY	0.00	0.0103	-0.047	20.760	-5.02	No Trend	0.8876
CB5MH	Annual	S	SWTEMP	0.00	0.5796	0.006	16.425	0.77	No Trend	0.9743
CB5MH	Annual	B	BWTEMP	0.00	0.5739	0.009	15.725	1.22	No Trend	0.9993

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
CB6PH	Annual	S	STN	0.00	0.0000	-0.0040	0.5409	-16.29	Improving	0.6250
CB6PH	Annual	B	BTN	0.00	0.0000	-0.0064	0.5423	-25.90	Improving	0.4950
CB6PH	Annual	S	SDIN	4.00	0.0174	-0.0003	0.0709	-8.15	No Trend	0.6252
CB6PH	Annual	B	BDIN	2.00	0.0213	-0.0008	0.1024	-17.40	No Trend	0.3014
CB6PH	Annual	S	STP	1.00	0.0030	-0.0001	0.0246	-12.76	Improving	0.1000
CB6PH	Annual	B	BTP	0.00	0.0003	-0.0003	0.0381	-16.97	Improving	0.0225
CB6PH	Annual	S	SPO4F	96.00	0.0000	0.0000	0.0050	-	High BDLs	0.7002
CB6PH	Annual	B	BPO4F	36.00	0.0050	0.0000	0.0050	-	Unchanged	0.8703
CB6PH	Annual	S	SCHLA	11.00	0.4080	0.028	6.843	9.07	No Trend	0.1768
CB6PH	Annual	S	STSS	20.00	0.0009	-0.097	7.450	-	Improving	0.2796
CB6PH	Annual	B	BTSS	2.00	0.0328	-0.154	15.000	-22.55	No Trend	0.0477
CB6PH	Annual	S	SECCHI	0.00	0.0000	-0.022	2.000	-24.06	Degrading	0.1182
CB6PH	Annual	B	BDO	0.00	0.0001	0.036	7.050	11.35	Improving	0.4802
CB6PH	Annual	S	SSALINITY	0.00	0.0007	-0.080	19.685	-8.97	Decreasing	0.9999
CB6PH	Annual	B	BSALINITY	0.00	0.0002	-0.076	23.413	-7.14	Decreasing	0.9856
CB6PH	Annual	S	SWTEMP	0.00	0.7847	0.003	17.375	0.38	No Trend	0.9735
CB6PH	Annual	B	BWTEMP	0.00	0.9604	0.000	16.500	0.00	No Trend	0.9293
CB7PH	Annual	S	STN	0.00	0.0000	-0.0048	0.5100	-20.75	Improving	0.1329
CB7PH	Annual	B	BTN	0.00	0.0000	-0.0067	0.5432	-27.09	Improving	0.0767
CB7PH	Annual	S	SDIN	19.00	0.0105	0.0000	0.0599	-	No Trend	0.4109
CB7PH	Annual	B	BDIN	8.00	0.0165	-0.0007	0.0900	-17.11	No Trend	0.1196
CB7PH	Annual	S	STP	1.00	0.0000	-0.0002	0.0255	-17.25	Improving	0.5873
CB7PH	Annual	B	BTP	0.00	0.0000	-0.0004	0.0430	-20.93	Improving	0.4066
CB7PH	Annual	S	SPO4F	122.00	0.0000	0.0000	0.0050	-	High BDLs	0.9009
CB7PH	Annual	B	BPO4F	82.00	0.0000	0.0000	0.0080	-	High BDLs	0.7933
CB7PH	Annual	S	SCHLA	24.00	0.0638	0.048	5.099	-	No Trend	0.0923
CB7PH	Annual	S	STSS	28.00	0.0005	-0.100	7.000	-	Improving	0.7486
CB7PH	Annual	B	BTSS	7.00	0.0042	-0.195	15.000	-28.60	Improving	0.1304
CB7PH	Annual	S	SECCHI	0.00	0.0000	-0.024	2.100	-24.65	Degrading	0.0235
CB7PH	Annual	B	BDO	0.00	0.0005	0.028	7.700	8.00	Improving	0.7576
CB7PH	Annual	S	SSALINITY	0.00	0.0041	-0.081	20.818	-8.54	Decreasing	0.9973
CB7PH	Annual	B	BSALINITY	0.00	0.0255	-0.046	24.433	-4.13	No Trend	0.9308
CB7PH	Annual	S	SWTEMP	0.00	0.1825	0.015	16.325	2.02	No Trend	0.9719
CB7PH	Annual	B	BWTEMP	0.00	0.6252	0.007	16.000	0.96	No Trend	0.8499
CB8PH	Annual	S	STN	0.00	0.0196	-0.0019	0.4932	-8.65	No Trend	0.9643
CB8PH	Annual	B	BTN	0.00	0.0008	-0.0032	0.4948	-14.26	Improving	0.8882
CB8PH	Annual	S	SDIN	16.00	0.4510	0.0000	0.0450	-	No Trend	0.0000
CB8PH	Annual	B	BDIN	5.00	0.6650	0.0000	0.0419	0.00	No Trend	0.1571
CB8PH	Annual	S	STP	0.00	0.0000	-0.0006	0.0413	-33.14	Improving	0.7642
CB8PH	Annual	B	BTP	0.00	0.0000	-0.0008	0.0529	-32.16	Improving	0.9870
CB8PH	Annual	S	SPO4F	21.00	0.0000	0.0000	0.0131	-	Unchanged	0.4476
CB8PH	Annual	B	BPO4F	4.00	0.0000	-0.0002	0.0193	-26.53	Improving	0.6443
CB8PH	Annual	S	SCHLA	17.00	0.0068	0.079	4.478	-	Degrading	0.0275
CB8PH	Annual	S	STSS	21.00	0.0637	0.059	6.525	-	No Trend	0.5897
CB8PH	Annual	B	BTSS	6.00	0.6894	-0.026	11.725	-4.94	No Trend	0.6590
CB8PH	Annual	S	SECCHI	0.00	0.0000	-0.027	2.025	-29.63	Degrading	0.5650
CB8PH	Annual	B	BDO	0.00	0.0000	0.033	7.700	9.43	Improving	0.5486
CB8PH	Annual	S	SSALINITY	0.00	0.0000	-0.112	25.525	-9.67	Decreasing	0.9203
CB8PH	Annual	B	BSALINITY	0.00	0.0000	-0.063	29.920	-4.64	Decreasing	0.8489
CB8PH	Annual	S	SWTEMP	0.00	0.4642	0.013	15.925	1.84	No Trend	0.3510
CB8PH	Annual	B	BWTEMP	0.00	0.2193	0.024	15.625	3.34	No Trend	0.3351

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
APPTF	SAV1	S	SCHLA	1.00	0.0033	-0.779	43.508	-39.39	Improving	0.5503
APPTF	SAV1	S	STSS	0.00	0.7777	0.000	23.750	0.00	No Trend	0.3846
APPTF	SAV1	B	BTSS	0.00	0.9550	0.000	30.250	0.00	No Trend	0.7416
APPTF	SAV1	S	SECCHI	0.00	0.0003	-0.004	0.500	-16.92	Degrading	0.2369
APPTF	SAV1	B	BDO	0.00	0.3052	0.015	8.200	3.99	No Trend	0.0514
APPTF	SAV1	S	SSALINITY	0.00	0.0739	0.000	0.010	0.00	No Trend	0.6535
APPTF	SAV1	B	BSALINITY	0.00	0.0551	0.000	0.010	0.00	No Trend	0.6371
APPTF	SAV1	S	SWTEMP	0.00	0.0270	0.069	22.750	6.72	No Trend	0.0370
APPTF	SAV1	B	BWTEMP	0.00	0.0703	0.064	22.500	6.25	No Trend	0.0676
JMSTF1	SAV1	S	SCHLA	3.00	0.0093	-0.535	24.303	-48.47	Improving	0.9338
JMSTF1	SAV1	S	STSS	0.00	0.0461	0.250	20.500	23.17	No Trend	0.5534
JMSTF1	SAV1	B	BTSS	0.00	0.3493	0.500	37.250	25.50	No Trend	0.8743
JMSTF1	SAV1	S	SECCHI	0.00	0.0000	-0.009	0.650	-30.77	Degrading	0.6315
JMSTF1	SAV1	B	BDO	0.00	0.1146	0.019	6.725	6.08	No Trend	0.7867
JMSTF1	SAV1	S	SSALINITY	0.00	0.0713	0.000	0.010	0.00	No Trend	0.9916
JMSTF1	SAV1	B	BSALINITY	0.00	0.1431	0.000	0.010	0.00	No Trend	0.9541
JMSTF1	SAV1	S	SWTEMP	0.00	0.2965	0.025	23.100	2.38	No Trend	0.0562
JMSTF1	SAV1	B	BWTEMP	0.00	0.2981	0.030	22.875	2.89	No Trend	0.1271
JMSTF2	SAV1	S	SCHLA	6.00	0.5378	0.000	4.868	0.00	No Trend	0.9561
JMSTF2	SAV1	S	STSS	0.00	0.4832	0.000	10.000	0.00	No Trend	0.1570
JMSTF2	SAV1	B	BTSS	0.00	0.0050	0.375	17.500	40.71	Degrading	0.8787
JMSTF2	SAV1	S	SECCHI	0.00	0.0037	-0.014	1.000	-31.89	Degrading	0.3257
JMSTF2	SAV1	B	BDO	0.00	0.1641	0.014	6.550	4.80	No Trend	0.4492
JMSTF2	SAV1	S	SSALINITY	0.00	0.1069	0.000	0.010	0.00	No Trend	0.4856
JMSTF2	SAV1	B	BSALINITY	0.00	0.0727	0.000	0.010	0.00	No Trend	0.8392
JMSTF2	SAV1	S	SWTEMP	0.00	0.5397	0.018	24.025	1.68	No Trend	0.4868
JMSTF2	SAV1	B	BWTEMP	0.00	0.2833	0.039	21.875	3.88	No Trend	0.1496
CHKOH	SAV1	S	SCHLA	0.00	0.0000	-0.618	23.933	-49.02	Improving	0.3534
CHKOH	SAV1	S	STSS	0.00	0.0280	0.286	17.500	31.02	No Trend	0.5143
CHKOH	SAV1	B	BTSS	0.00	0.0007	1.401	32.500	81.90	Degrading	0.8537
CHKOH	SAV1	S	SECCHI	0.00	0.0000	-0.012	0.600	-37.25	Degrading	0.3725
CHKOH	SAV1	B	BDO	0.00	0.3594	-0.011	6.400	-3.24	No Trend	0.9270
CHKOH	SAV1	S	SSALINITY	0.00	0.0089	0.000	0.010	0.00	Unchanged	0.6734
CHKOH	SAV1	B	BSALINITY	0.00	0.0073	0.000	0.010	0.00	Unchanged	0.6574
CHKOH	SAV1	S	SWTEMP	0.00	0.0911	0.056	22.575	4.73	No Trend	0.0676
CHKOH	SAV1	B	BWTEMP	0.00	0.0701	0.052	22.450	4.43	No Trend	0.0754
JMSOH	SAV1	S	SCHLA	4.00	0.0786	-0.091	7.688	-26.11	No Trend	0.1151
JMSOH	SAV1	S	STSS	0.00	0.5711	-0.107	26.250	-7.76	No Trend	0.0697
JMSOH	SAV1	B	BTSS	0.00	0.6328	0.230	57.500	7.61	No Trend	0.1589
JMSOH	SAV1	S	SECCHI	0.00	0.2946	0.000	0.625	0.00	No Trend	0.2617
JMSOH	SAV1	B	BDO	0.00	0.1306	-0.013	7.000	-4.14	No Trend	0.1149
JMSOH	SAV1	S	SSALINITY	0.00	0.3713	0.010	3.850	5.71	No Trend	0.7455
JMSOH	SAV1	B	BSALINITY	0.00	0.5324	0.011	4.355	5.43	No Trend	0.7607
JMSOH	SAV1	S	SWTEMP	0.00	0.6014	0.016	23.900	1.50	No Trend	0.0451
JMSOH	SAV1	B	BWTEMP	0.00	0.6314	0.012	23.750	1.16	No Trend	0.0443
JMSMH	SAV1	S	SCHLA	6.00	0.1842	0.026	4.670	12.17	No Trend	0.0078
JMSMH	SAV1	S	STSS	1.00	0.3220	-0.083	19.000	-9.65	No Trend	0.9105
JMSMH	SAV1	B	BTSS	0.00	0.0001	1.033	24.750	79.33	Degrading	0.5449
JMSMH	SAV1	S	SECCHI	0.00	0.4281	0.000	1.075	0.00	No Trend	0.3162
JMSMH	SAV1	B	BDO	0.00	0.6876	0.004	6.475	1.42	No Trend	0.0036
JMSMH	SAV1	S	SSALINITY	0.00	0.6056	-0.032	15.820	-4.40	No Trend	0.7846
JMSMH	SAV1	B	BSALINITY	0.00	0.2916	-0.036	19.313	-4.13	No Trend	0.8166
JMSMH	SAV1	S	SWTEMP	0.00	0.8813	0.000	23.725	0.05	No Trend	0.1272
JMSMH	SAV1	B	BWTEMP	0.00	0.6698	0.007	23.450	0.67	No Trend	0.0559

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
JMSPH	SAV1	S	SCHLA	7.00	0.0001	0.135	5.983	49.71	Degrading	0.2906
JMSPH	SAV1	S	STSS	1.00	0.1658	0.077	9.350	18.20	No Trend	0.2455
JMSPH	SAV1	B	BTSS	0.00	0.6933	-0.067	19.000	-7.72	No Trend	0.0951
JMSPH	SAV1	S	SECCHI	0.00	0.0000	-0.014	1.350	-22.22	Degrading	0.7718
JMSPH	SAV1	B	BDO	0.00	0.0000	0.050	6.150	17.89	Improving	0.9435
JMSPH	SAV1	S	SSALINITY	0.00	0.0052	-0.101	22.125	-10.09	Decreasing	0.7440
JMSPH	SAV1	B	BSALINITY	0.00	0.0000	-0.200	24.833	-17.76	Decreasing	0.8339
JMSPH	SAV1	S	SWTEMP	0.00	0.8897	-0.001	23.100	-0.09	No Trend	0.3692
JMSPH	SAV1	B	BWTEMP	0.00	0.0005	0.069	22.500	6.71	Increasing	0.1175
WBEMH	SAV1	S	STN	0.00	0.6068	0.0017	0.8125	3.83	No Trend	0.8891
WBEMH	SAV1	B	BTN	0.00	0.8156	-0.0007	0.891	-1.35	No Trend	0.5375
WBEMH	SAV1	S	SDIN	6.85	0.6996	0.0004	0.2458	3.18	No Trend	0.9644
WBEMH	SAV1	B	BDIN	4.14	0.7786	-0.0003	0.29235	-1.82	No Trend	0.8765
WBEMH	SAV1	S	STP	0.00	0.0747	-0.0008	0.1095	-12.98	No Trend	0.9661
WBEMH	SAV1	B	BTP	0.00	0.0341	-0.0010	0.1155	-15.47	No Trend	0.9002
WBEMH	SAV1	S	SPO4F	23.81	0.0808	-0.0002	0.051	-	No Trend	0.8083
WBEMH	SAV1	B	BPO4F	25.50	0.0916	-0.0002	0.054	-	No Trend	0.9650
WBEMH	SAV1	S	SCHLA	0.00	0.8317	-0.0305	19.25	-2.85	No Trend	0.7568
WBEMH	SAV1	S	STSS	0.00	0.4910	0.2023	26.3	13.85	No Trend	0.6262
WBEMH	SAV1	B	BTSS	0.00	0.8376	-0.0400	37.1	-1.94	No Trend	0.2978
WBEMH	SAV1	S	SECCHI	0.00	0.7788	0.0000	0.55	0.00	No Trend	0.5199
WBEMH	SAV1	B	BDO	0.00	0.6753	-0.0056	6.25	-1.60	No Trend	0.6732
WBEMH	SAV1	S	SSALINITY	0.00	0.6925	-0.0300	17.15	-3.15	No Trend	0.7153
WBEMH	SAV1	B	BSALINITY	0.00	0.3826	-0.0438	17.1	-4.61	No Trend	0.9612
WBEMH	SAV1	B	BWTEMP	0.00	0.0021	0.0833	23.8	6.30	Increasing	0.5940
WBEMH	SAV1	S	SWTEMP	0.00	0.0128	0.0620	24.2	4.61	No Trend	0.6380
SBEMH	SAV1	S	STN	0.00	0.0588	-0.0078	1.26625	-11.07	No Trend	0.2547
SBEMH	SAV1	B	BTN	0.00	0.4388	-0.0019	0.978	-3.47	No Trend	0.7660
SBEMH	SAV1	S	SDIN	0.00	0.0398	-0.0078	0.7021	-19.89	No Trend	0.9871
SBEMH	SAV1	B	BDIN	0.00	0.7066	-0.0012	0.561075	-3.88	No Trend	0.7466
SBEMH	SAV1	S	STP	0.00	0.0001	-0.0013	0.0995	-22.79	Improving	0.4225
SBEMH	SAV1	B	BTP	0.00	0.0000	-0.0019	0.0985	-34.61	Improving	0.7627
SBEMH	SAV1	S	SPO4F	8.08	0.0277	-0.0006	0.06725	-17.01	No Trend	0.9903
SBEMH	SAV1	B	BPO4F	11.06	0.0006	-0.0009	0.069	-24.17	Improving	0.9833
SBEMH	SAV1	S	SCHLA	13.78	0.0039	-0.1469	3.75	-70.51	Improving	0.7888
SBEMH	SAV1	S	STSS	0.50	0.0059	-0.1750	8.575	-36.73	Improving	0.8590
SBEMH	SAV1	B	BTSS	0.50	0.0000	-0.6208	14.6	-76.54	Improving	0.9933
SBEMH	SAV1	S	SECCHI	0.00	0.0473	0.0088	0.75	21.18	No Trend	0.8720
SBEMH	SAV1	B	BDO	0.00	0.0376	0.0455	4.2	19.48	No Trend	0.7145
SBEMH	SAV1	S	SSALINITY	0.00	0.1314	0.0783	16.7	8.44	No Trend	0.5603
SBEMH	SAV1	B	BSALINITY	0.00	0.1829	-0.0793	18.45	-7.74	No Trend	0.7689
SBEMH	SAV1	B	BWTEMP	0.00	0.0000	0.1981	23.925	14.91	Increasing	0.3411
SBEMH	SAV1	S	SWTEMP	0.00	0.0036	0.1000	25.2	7.14	Increasing	0.2298
EBEMH	SAV1	S	STN	0.00	0.8857	0.0008	1.049	1.31	No Trend	0.4530
EBEMH	SAV1	B	BTN	0.00	0.1645	-0.0038	0.8605	-7.84	No Trend	0.1726
EBEMH	SAV1	S	SDIN	0.00	0.0467	-0.0050	0.53035	-16.97	No Trend	0.5611
EBEMH	SAV1	B	BDIN	0.00	0.3990	-0.0028	0.51135	-9.97	No Trend	0.8031
EBEMH	SAV1	S	STP	0.00	0.3270	-0.0004	0.086	-7.44	No Trend	0.4773
EBEMH	SAV1	B	BTP	0.00	0.0051	-0.0008	0.099	-15.27	Improving	0.4551
EBEMH	SAV1	S	SPO4F	16.67	0.3525	-0.0002	0.066	-	No Trend	0.9756
EBEMH	SAV1	B	BPO4F	13.68	0.1641	-0.0004	0.0675	-9.87	No Trend	0.8424

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
EBEMH	SAV1	S	SCHLA	7.37	0.0216	0.1445	3.55	73.28	No Trend	0.5498
EBEMH	SAV1	S	STSS	1.02	0.0781	-0.1200	9.95	-21.71	No Trend	0.0479
EBEMH	SAV1	B	BTSS	0.00	0.1274	-0.2755	12.6	-39.36	No Trend	0.8186
EBEMH	SAV1	S	SECCHI	0.00	0.8923	0.0000	0.95	0.00	No Trend	0.2419
EBEMH	SAV1	B	BDO	0.00	0.0993	0.0311	4.8	11.65	No Trend	0.3370
EBEMH	SAV1	S	SSALINITY	0.00	0.9882	0.0000	17.95	0.00	No Trend	0.4444
EBEMH	SAV1	B	BSALINITY	0.00	0.2314	-0.0514	18.65	-4.96	No Trend	0.8923
EBEMH	SAV1	B	BWTEMP	0.00	0.0000	0.1093	23	8.55	Increasing	0.1878
EBEMH	SAV1	S	SWTEMP	0.00	0.0077	0.0685	23.95	5.15	Increasing	0.3723
LAFMH	SAV1	S	STN	0.00	0.0858	0.0112	0.637625	15.83	No Trend	0.8554
LAFMH	SAV1	B	BTN	0.00	0.7021	0.0017	0.67	2.27	No Trend	0.5559
LAFMH	SAV1	S	SDIN	8.99	0.3903	0.0017	0.1365	11.23	No Trend	0.4486
LAFMH	SAV1	B	BDIN	5.43	0.4700	0.0050	0.1385	32.49	No Trend	0.9093
LAFMH	SAV1	S	STP	0.00	0.4169	0.0007	0.0802	8.25	No Trend	0.0425
LAFMH	SAV1	B	BTP	0.00	0.7286	0.0008	0.08125	8.40	No Trend	0.3964
LAFMH	SAV1	S	SPO4F	13.04	0.1624	0.0006	0.02325	24.19	No Trend	0.3594
LAFMH	SAV1	B	BPO4F	11.46	0.1141	0.0008	0.0185	38.92	No Trend	0.7032
LAFMH	SAV1	S	SCHLA	0.00	0.8922	0.0758	11.7075	5.83	No Trend	0.5014
LAFMH	SAV1	S	STSS	0.00	0.5558	0.3750	23.25	14.52	No Trend	0.0954
LAFMH	SAV1	B	BTSS	0.00	0.1995	-0.4000	37.5	-9.60	No Trend	0.3475
LAFMH	SAV1	S	SECCHI	0.00	0.4749	0.0000	0.575	0.00	No Trend	0.2749
LAFMH	SAV1	B	BDO	0.00	0.0446	0.0830	6.08	12.29	No Trend	0.4467
LAFMH	SAV1	S	SSALINITY	0.00	0.6524	0.0662	17.375	3.43	No Trend	0.9867
LAFMH	SAV1	B	BSALINITY	0.00	0.8375	0.0980	17.4	5.07	No Trend	0.9971
LAFMH	SAV1	B	BWTEMP	0.00	0.1766	0.1525	20.9725	6.54	No Trend	0.6643
LAFMH	SAV1	S	SWTEMP	0.00	0.0783	0.1892	20.84	8.17	No Trend	0.6173
ELIPH	SAV1	S	SCHLA	1.99	0.7610	0.0118	7.9575	3.26	No Trend	0.6444
ELIPH	SAV1	S	STSS	0.00	0.0006	-0.3193	15.95	-38.03	Improving	0.8190
ELIPH	SAV1	B	BTSS	0.00	0.0035	-0.4143	26.3	-29.93	Improving	0.7920
ELIPH	SAV1	S	SECCHI	0.00	0.0001	-0.0091	1.125	-17.78	DEGRADING	0.7449
ELIPH	SAV1	B	BDO	0.00	0.4642	0.0066	5.825	2.50	No Trend	0.3023
ELIPH	SAV1	S	SSALINITY	0.00	0.0246	-0.0944	22.275	-9.32	No Trend	0.6931
ELIPH	SAV1	B	BSALINITY	0.00	0.0000	-0.1521	24.455	-13.68	Decreasing	0.9865
ELIPH	SAV1	B	BWTEMP	0.00	0.0541	0.0493	22.25	4.88	No Trend	0.3292
ELIPH	SAV1	S	SWTEMP	0.00	0.0920	0.0335	23.55	3.13	No Trend	0.1426
PMKTF	SAV1	S	SCHLA	4.00	0.0742	0.000	4.230	0.00	No Trend	0.0570
PMKTF	SAV1	S	STSS	0.00	0.0459	0.200	12.250	31.02	No Trend	0.7487
PMKTF	SAV1	B	BTSS	0.00	0.1196	-0.271	19.000	-27.10	No Trend	0.4474
PMKTF	SAV1	S	SECCHI	0.00	0.0165	-0.006	0.700	-18.49	No Trend	0.0947
PMKTF	SAV1	B	BDO	0.00	0.0054	0.029	5.800	11.06	Improving	0.1059
PMKTF	SAV1	S	SSALINITY	0.00	0.0014	0.000	0.010	0.00	Unchanged	0.9503
PMKTF	SAV1	B	BSALINITY	0.00	0.0020	0.000	0.010	0.00	Unchanged	0.9714
PMKTF	SAV1	S	SWTEMP	0.00	0.5282	0.018	22.875	1.74	No Trend	0.0051
PMKTF	SAV1	B	BWTEMP	0.00	0.7651	0.010	22.875	0.96	No Trend	0.0077
PMKOH	SAV1	S	SCHLA	1.00	0.7416	0.002	7.540	0.59	No Trend	0.6294
PMKOH	SAV1	S	STSS	1.00	0.0168	-0.778	45.000	-38.02	No Trend	0.8121
PMKOH	SAV1	B	BTSS	0.00	0.1023	-2.264	148.500	-28.97	No Trend	0.6874
PMKOH	SAV1	S	SECCHI	0.00	0.0504	0.000	0.450	0.00	No Trend	0.7696
PMKOH	SAV1	B	BDO	0.00	0.6498	0.004	5.575	1.67	No Trend	0.0519
PMKOH	SAV1	S	SSALINITY	0.00	0.3684	0.012	5.028	5.16	No Trend	0.8908
PMKOH	SAV1	B	BSALINITY	0.00	0.5795	0.011	5.328	4.45	No Trend	0.9450
PMKOH	SAV1	S	SWTEMP	0.00	0.2875	-0.021	24.425	-1.90	No Trend	0.0107
PMKOH	SAV1	B	BWTEMP	0.00	0.5114	-0.012	24.450	-1.06	No Trend	0.0084

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
MPNTF	SAV1	S	SCHLA	3.00	0.0878	0.000	4.588	0.00	No Trend	0.8152
MPNTF	SAV1	S	STSS	0.00	0.9213	0.000	6.500	0.00	No Trend	0.1859
MPNTF	SAV1	B	BTSS	0.00	0.3835	0.000	8.750	0.00	No Trend	0.1862
MPNTF	SAV1	S	SECCHI	0.00	0.0038	-0.011	1.000	-23.57	Degrading	0.0132
MPNTF	SAV1	B	BDO	0.00	0.0920	0.015	6.350	5.20	No Trend	0.5003
MPNTF	SAV1	S	SSALINITY	0.00	0.0950	0.000	0.010	0.00	No Trend	0.8912
MPNTF	SAV1	B	BSALINITY	0.00	0.0952	0.000	0.010	0.00	No Trend	0.8830
MPNTF	SAV1	S	SWTEMP	0.00	0.0479	0.071	23.375	6.67	No Trend	0.0364
MPNTF	SAV1	B	BWTEMP	0.00	0.1648	0.050	23.000	4.78	No Trend	0.0602
MPNOH	SAV1	S	SCHLA	1.00	0.9337	0.000	7.415	0.00	No Trend	0.6229
MPNOH	SAV1	S	STSS	1.00	0.1410	0.270	19.000	31.23	No Trend	0.4313
MPNOH	SAV1	B	BTSS	0.00	0.2813	0.613	44.000	30.66	No Trend	0.2536
MPNOH	SAV1	S	SECCHI	0.00	0.1675	0.000	0.525	0.00	No Trend	0.8328
MPNOH	SAV1	B	BDO	0.00	0.0477	0.017	5.325	6.89	No Trend	0.3232
MPNOH	SAV1	S	SSALINITY	0.00	0.0551	0.070	4.273	36.04	No Trend	0.8325
MPNOH	SAV1	B	BSALINITY	0.00	0.0551	0.076	5.023	33.47	No Trend	0.8487
MPNOH	SAV1	S	SWTEMP	0.00	0.6276	0.012	24.500	1.04	No Trend	0.0581
MPNOH	SAV1	B	BWTEMP	0.00	0.9909	0.000	24.375	0.00	No Trend	0.0669
YRKMH	SAV1	S	SCHLA	1.00	0.6422	0.030	9.590	6.95	No Trend	0.7479
YRKMH	SAV1	S	STSS	0.00	0.1666	-0.250	32.750	-14.50	No Trend	0.6364
YRKMH	SAV1	B	BTSS	0.00	0.1845	0.833	44.500	35.58	No Trend	0.5068
YRKMH	SAV1	S	SECCHI	0.00	0.2813	0.000	0.500	0.00	No Trend	0.1976
YRKMH	SAV1	B	BDO	0.00	0.7753	0.002	5.525	0.60	No Trend	0.0743
YRKMH	SAV1	S	SSALINITY	0.00	0.1930	-0.064	13.605	-10.38	No Trend	0.7856
YRKMH	SAV1	B	BSALINITY	0.00	0.1020	-0.055	15.308	-7.95	No Trend	0.8442
YRKMH	SAV1	S	SWTEMP	0.00	0.3776	-0.023	24.275	-2.12	No Trend	0.0035
YRKMH	SAV1	B	BWTEMP	0.00	0.7879	-0.007	24.400	-0.63	No Trend	0.0023
YRKPH	SAV1	S	SCHLA	3.00	0.0002	0.153	7.998	41.97	Degrading	0.6822
YRKPH	SAV1	S	STSS	2.00	0.1088	0.121	6.000	44.49	No Trend	0.6836
YRKPH	SAV1	B	BTSS	0.00	0.1388	0.333	22.000	28.79	No Trend	0.6785
YRKPH	SAV1	S	SECCHI	0.00	0.0000	-0.014	1.250	-24.00	Degrading	0.3097
YRKPH	SAV1	B	BDO	0.00	0.7924	0.004	5.150	1.78	No Trend	0.0535
YRKPH	SAV1	S	SSALINITY	0.00	0.0007	-0.125	21.825	-12.58	Decreasing	0.6463
YRKPH	SAV1	B	BSALINITY	0.00	0.0169	-0.079	23.583	-7.39	No Trend	0.9133
YRKPH	SAV1	S	SWTEMP	0.00	0.0825	-0.034	23.800	-3.10	No Trend	0.0619
YRKPH	SAV1	B	BWTEMP	0.00	0.1553	-0.029	23.250	-2.75	No Trend	0.0456
MOBPH	SAV1	S	STN	0.00	0.0010	-0.0027	0.5035	-11.88	Improving	0.9980
MOBPH	SAV1	B	BTN	0.00	0.0000	-0.0049	0.5620	-19.25	Improving	0.9515
MOBPH	SAV1	S	SDIN	0.00	0.0113	0.0000	0.0400	0.00	No Trend	0.9470
MOBPH	SAV1	B	BDIN	0.00	0.0537	-0.0003	0.0498	-13.27	No Trend	0.8056
MOBPH	SAV1	S	STP	2.00	0.6466	0.0000	0.0290	2.32	No Trend	0.6527
MOBPH	SAV1	B	BTP	0.00	0.3593	-0.0001	0.0355	-4.96	No Trend	0.9136
MOBPH	SAV1	S	SPO4F	28.00	0.0035	0.0000	0.0050	-	Unchanged	0.8690
MOBPH	SAV1	B	BPO4F	25.00	0.0436	0.0000	0.0050	-	No Trend	0.6156
MOBPH	SAV1	S	SCHLA	0.00	0.0034	0.130	5.733	49.82	Degrading	0.4288
MOBPH	SAV1	S	STSS	1.00	0.0039	-0.194	9.900	-43.06	Improving	0.8240
MOBPH	SAV1	B	BTSS	1.00	0.0169	-0.182	16.500	-24.27	No Trend	0.1301
MOBPH	SAV1	S	SECCHI	0.00	0.0000	-0.019	1.275	-32.35	Degrading	0.9110
MOBPH	SAV1	B	BDO	0.00	0.0000	0.052	6.900	16.43	Improving	0.1532
MOBPH	SAV1	S	SSALINITY	0.00	0.0013	-0.106	22.293	-10.43	Decreasing	0.9631
MOBPH	SAV1	B	BSALINITY	0.00	0.0010	-0.104	22.723	-10.09	Decreasing	0.8515
MOBPH	SAV1	S	SWTEMP	0.00	0.4556	0.015	22.000	1.50	No Trend	0.8475
MOBPH	SAV1	B	BWTEMP	0.00	0.1355	0.028	21.850	2.82	No Trend	0.6982

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
RPPTF	SAV1	S	SCHLA	1.00	0.2915	-0.082	25.135	-7.19	No Trend	0.1523
RPPTF	SAV1	S	STSS	0.00	0.5165	-0.067	24.750	-5.12	No Trend	0.7533
RPPTF	SAV1	B	BTSS	0.00	0.4914	-0.188	35.750	-9.97	No Trend	0.7180
RPPTF	SAV1	S	SECCHI	0.00	0.5279	0.000	0.400	0.00	No Trend	0.5822
RPPTF	SAV1	B	BDO	0.00	0.2115	-0.018	7.875	-4.89	No Trend	0.1512
RPPTF	SAV1	S	SSALINITY	0.00	0.0000	0.000	0.010	0.00	Unchanged	0.9118
RPPTF	SAV1	B	BSALINITY	0.00	0.0000	0.000	0.010	0.00	Unchanged	0.7169
RPPTF	SAV1	S	SWTEMP	0.00	0.5224	0.018	23.625	1.64	No Trend	0.5760
RPPTF	SAV1	B	BWTEMP	0.00	0.3265	0.022	24.000	2.02	No Trend	0.5652
RPPOH	SAV1	S	SCHLA	1.00	0.0000	0.376	9.325	88.72	Degrading	0.2969
RPPOH	SAV1	S	STSS	0.00	0.0871	-0.300	29.000	-19.66	No Trend	0.4369
RPPOH	SAV1	B	BTSS	0.00	0.2287	0.364	41.000	16.85	No Trend	0.2853
RPPOH	SAV1	S	SECCHI	0.00	0.0078	-0.003	0.575	-12.36	Degrading	0.0362
RPPOH	SAV1	B	BDO	0.00	0.0890	0.019	6.575	6.41	No Trend	0.1760
RPPOH	SAV1	S	SSALINITY	0.00	0.0048	-0.018	3.990	-9.82	Decreasing	0.8915
RPPOH	SAV1	B	BSALINITY	0.00	0.0217	-0.013	4.340	-6.43	No Trend	0.7975
RPPOH	SAV1	S	SWTEMP	0.00	0.2675	0.025	24.075	2.28	No Trend	0.0951
RPPOH	SAV1	B	BWTEMP	0.00	0.4406	0.016	24.650	1.39	No Trend	0.1487
RPPMH	SAV1	S	SCHLA	5.00	0.0028	0.110	8.488	28.51	Degrading	0.4358
RPPMH	SAV1	S	STSS	5.00	0.1496	-0.078	7.000	-24.51	No Trend	0.2334
RPPMH	SAV1	B	BTSS	1.00	0.2118	0.135	9.250	32.11	No Trend	0.0500
RPPMH	SAV1	S	SECCHI	0.00	0.0078	-0.009	1.200	-16.67	Degrading	0.0475
RPPMH	SAV1	B	BDO	0.00	0.4054	-0.009	5.950	-3.26	No Trend	0.6920
RPPMH	SAV1	S	SSALINITY	0.00	0.0006	-0.132	16.060	-18.12	Decreasing	0.9803
RPPMH	SAV1	B	BSALINITY	0.00	0.0054	-0.095	17.018	-12.28	Decreasing	0.9641
RPPMH	SAV1	S	SWTEMP	0.00	0.6620	-0.010	23.100	-0.95	No Trend	0.0924
RPPMH	SAV1	B	BWTEMP	0.00	0.2323	-0.022	22.975	-2.12	No Trend	0.0913
CRRMH	SAV1	S	SCHLA	0.00	0.1604	0.070	11.240	13.70	No Trend	0.4564
CRRMH	SAV1	S	STSS	3.00	0.0007	0.000	8.000	0.00	Unchanged	0.1726
CRRMH	SAV1	B	BTSS	0.00	0.0044	-0.192	12.000	-33.65	Improving	0.3543
CRRMH	SAV1	S	SECCHI	0.00	0.0000	-0.019	1.750	-23.57	Degrading	0.1458
CRRMH	SAV1	B	BDO	0.00	0.1960	-0.023	6.425	-7.90	No Trend	0.7578
CRRMH	SAV1	S	SSALINITY	0.00	0.0001	-0.155	17.480	-19.46	Decreasing	0.9647
CRRMH	SAV1	B	BSALINITY	0.00	0.0005	-0.117	17.585	-14.62	Decreasing	0.9923
CRRMH	SAV1	S	SWTEMP	0.00	0.8814	0.002	23.800	0.15	No Trend	0.1784
CRRMH	SAV1	B	BWTEMP	0.00	0.1522	-0.023	23.675	-2.15	No Trend	0.0478
PIAMH	SAV1	S	STN	0.00	0.0000	-0.0041	0.5618	-15.87	Improving	0.4285
PIAMH	SAV1	B	BTN	0.00	0.0001	-0.0050	0.6410	-17.16	Improving	0.1752
PIAMH	SAV1	S	SDIN	10.00	0.0000	-0.0013	0.0500	-58.30	Improving	0.3647
PIAMH	SAV1	B	BDIN	9.00	0.0004	-0.0015	0.0940	-34.87	Improving	0.6255
PIAMH	SAV1	S	STP	1.00	0.7649	0.0000	0.0238	-1.32	No Trend	0.3475
PIAMH	SAV1	B	BTP	0.00	0.0881	-0.0001	0.0300	-9.78	No Trend	0.9139
PIAMH	SAV1	S	SPO4F	7.00	0.0000	0.0000	0.0050	0.00	Unchanged	0.9808
PIAMH	SAV1	B	BPO4F	7.00	0.0039	0.0000	0.0065	0.00	Unchanged	0.4982
PIAMH	SAV1	S	SCHLA	3.00	0.0630	0.079	7.765	22.48	No Trend	0.8202
PIAMH	SAV1	S	STSS	6.00	0.0112	-0.131	6.000	-48.19	No Trend	0.6121
PIAMH	SAV1	B	BTSS	1.00	0.0047	-0.185	12.625	-32.30	Improving	0.9560
PIAMH	SAV1	S	SECCHI	0.00	0.0000	-0.020	1.600	-27.50	Degrading	0.6019
PIAMH	SAV1	B	BDO	0.00	0.0000	0.067	6.775	21.65	Improving	0.2287
PIAMH	SAV1	S	SSALINITY	0.00	0.0018	-0.106	18.905	-12.39	Decreasing	0.9821
PIAMH	SAV1	B	BSALINITY	0.00	0.0017	-0.097	19.405	-11.00	Decreasing	0.9674
PIAMH	SAV1	S	SWTEMP	0.00	0.8075	0.007	21.700	0.68	No Trend	0.3738
PIAMH	SAV1	B	BWTEMP	0.00	0.5797	-0.012	21.475	-1.18	No Trend	0.5774

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
POCMH	SAV1	S	STN	0.00	0.0080	-0.0051	0.7180	-15.74	Improving	0.5605
POCMH	SAV1	B	BTN	0.00	0.0051	-0.0043	0.7078	-13.37	Improving	0.2027
POCMH	SAV1	S	SDIN	0.00	0.0000	-0.0016	0.0763	-47.16	Improving	0.9588
POCMH	SAV1	B	BDIN	0.00	0.0000	-0.0016	0.0720	-48.48	Improving	0.8738
POCMH	SAV1	S	STP	0.00	0.1471	-0.0002	0.0348	-13.93	No Trend	0.4052
POCMH	SAV1	B	BTP	0.00	0.0093	-0.0003	0.0383	-18.61	Improving	0.0724
POCMH	SAV1	S	SPO4F	6.00	0.0009	0.0000	0.0050	0.00	Unchanged	0.7202
POCMH	SAV1	B	BPO4F	7.00	0.0063	0.0000	0.0050	0.00	Unchanged	0.8048
POCMH	SAV1	S	SCHLA	0.00	0.0652	0.075	8.958	18.35	No Trend	0.4816
POCMH	SAV1	S	STSS	0.00	0.0115	-0.258	13.075	-43.47	No Trend	0.2602
POCMH	SAV1	B	BTSS	0.00	0.0281	-0.256	18.425	-30.51	No Trend	0.1570
POCMH	SAV1	S	SECCHI	0.00	0.0000	-0.013	1.075	-25.58	Degrading	0.0515
POCMH	SAV1	B	BDO	0.00	0.3530	0.007	6.950	2.18	No Trend	0.7202
POCMH	SAV1	S	SSALINITY	0.00	0.0040	-0.077	19.110	-8.90	Decreasing	0.9996
POCMH	SAV1	B	BSALINITY	0.00	0.0056	-0.072	19.238	-8.21	Decreasing	0.9843
POCMH	SAV1	S	SWTEMP	0.00	0.6543	0.007	23.225	0.63	No Trend	0.9304
POCMH	SAV1	B	BWTEMP	0.00	0.8813	0.002	22.975	0.21	No Trend	0.9508
CB5MH	SAV1	S	STN	0.00	0.0805	-0.0019	0.5861	-7.31	No Trend	0.9389
CB5MH	SAV1	B	BTN	0.00	0.0007	-0.0040	0.6479	-13.52	Improving	0.2508
CB5MH	SAV1	S	SDIN	1.00	0.0307	-0.0006	0.0734	-17.41	No Trend	0.2998
CB5MH	SAV1	B	BDIN	0.00	0.1627	-0.0011	0.1579	-15.05	No Trend	0.4448
CB5MH	SAV1	S	STP	3.00	0.0000	0.0002	0.0252	18.46	Degrading	0.6469
CB5MH	SAV1	B	BTP	0.00	0.0000	0.0004	0.0339	23.27	Degrading	0.6243
CB5MH	SAV1	S	SPO4F	39.00	0.8869	0.0000	0.0050	-	High BDLs	0.2264
CB5MH	SAV1	B	BPO4F	19.00	0.0601	0.0000	0.0118	-	No Trend	0.6037
CB5MH	SAV1	S	SCHLA	0.00	0.0175	0.083	5.581	32.62	No Trend	0.7485
CB5MH	SAV1	S	STSS	16.00	0.7817	-0.003	5.150	-	No Trend	0.7672
CB5MH	SAV1	B	BTSS	3.00	0.4303	0.030	9.450	6.98	No Trend	0.1982
CB5MH	SAV1	S	SECCHI	0.00	0.0000	-0.021	1.900	-24.81	Degrading	0.6990
CB5MH	SAV1	B	BDO	0.00	0.1297	0.020	3.475	12.66	No Trend	0.1595
CB5MH	SAV1	S	SSALINITY	0.00	0.0026	-0.092	15.928	-12.74	Decreasing	0.9875
CB5MH	SAV1	B	BSALINITY	0.00	0.0842	-0.035	21.630	-3.56	No Trend	0.7850
CB5MH	SAV1	S	SWTEMP	0.00	0.9915	0.000	22.875	0.00	No Trend	0.9926
CB5MH	SAV1	B	BWTEMP	0.00	0.8062	0.004	21.575	0.45	No Trend	0.9982
CB6PH	SAV1	S	STN	0.00	0.0002	-0.0028	0.5368	-11.64	Improving	0.7004
CB6PH	SAV1	B	BTN	0.00	0.0000	-0.0053	0.5456	-21.38	Improving	0.3509
CB6PH	SAV1	S	SDIN	2.00	0.3454	0.0000	0.0463	0.00	No Trend	0.8256
CB6PH	SAV1	B	BDIN	1.00	0.3762	-0.0004	0.1039	-7.72	No Trend	0.3276
CB6PH	SAV1	S	STP	1.00	0.9830	0.0000	0.0255	-0.31	No Trend	0.7030
CB6PH	SAV1	B	BTP	0.00	0.5434	-0.0001	0.0373	-3.61	No Trend	0.3403
CB6PH	SAV1	S	SPO4F	40.00	0.0263	0.0000	0.0050	-	High BDLs	0.9120
CB6PH	SAV1	B	BPO4F	20.00	0.1312	0.0000	0.0125	-	No Trend	0.8662
CB6PH	SAV1	S	SCHLA	7.00	0.0751	0.069	6.316	23.92	No Trend	0.2825
CB6PH	SAV1	S	STSS	15.00	0.2865	-0.044	5.975	-	No Trend	0.3947
CB6PH	SAV1	B	BTSS	2.00	0.9660	-0.001	11.950	-0.12	No Trend	0.0579
CB6PH	SAV1	S	SECCHI	0.00	0.0000	-0.028	1.975	-30.94	Degrading	0.6225
CB6PH	SAV1	B	BDO	0.00	0.0004	0.047	5.500	18.67	Improving	0.2056
CB6PH	SAV1	S	SSALINITY	0.00	0.0175	-0.075	20.023	-8.24	No Trend	0.9929
CB6PH	SAV1	B	BSALINITY	0.00	0.0119	-0.064	24.260	-5.81	No Trend	0.9056
CB6PH	SAV1	S	SWTEMP	0.00	0.6542	-0.009	22.225	-0.87	No Trend	0.9625
CB6PH	SAV1	B	BWTEMP	0.00	0.4427	-0.016	21.650	-1.59	No Trend	0.9344

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
CB7PH	SAV1	S	STN	0.00	0.0004	-0.0037	0.4891	-16.56	Improving	0.3015
CB7PH	SAV1	B	BTN	0.00	0.0000	-0.0064	0.5660	-24.94	Improving	0.0369
CB7PH	SAV1	S	SDIN	7.00	0.2358	0.0000	0.0410	0.00	No Trend	0.5914
CB7PH	SAV1	B	BDIN	1.00	0.1997	-0.0004	0.0871	-9.86	No Trend	0.0508
CB7PH	SAV1	S	STP	1.00	0.0280	-0.0001	0.0258	-9.61	No Trend	0.7669
CB7PH	SAV1	B	BTP	0.00	0.0000	-0.0004	0.0454	-16.97	Improving	0.1815
CB7PH	SAV1	S	SPO4F	52.00	0.0020	0.0000	0.0050	-	High BDLs	0.6646
CB7PH	SAV1	B	BPO4F	39.00	0.0000	0.0000	0.0133	-	Unchanged	0.3619
CB7PH	SAV1	S	SCHLA	18.00	0.0024	0.085	4.548	-	Degrading	0.6459
CB7PH	SAV1	S	STSS	18.00	0.0984	-0.046	6.250	-	No Trend	0.6343
CB7PH	SAV1	B	BTSS	4.00	0.1626	-0.105	13.763	-16.84	No Trend	0.0273
CB7PH	SAV1	S	SECCHI	0.00	0.0000	-0.032	2.125	-32.94	Degrading	0.5491
CB7PH	SAV1	B	BDO	0.00	0.0013	0.033	6.275	11.39	Improving	0.6229
CB7PH	SAV1	S	SSALINITY	0.00	0.0274	-0.068	21.330	-7.05	No Trend	0.9728
CB7PH	SAV1	B	BSALINITY	0.00	0.0274	-0.061	25.370	-5.25	No Trend	0.8847
CB7PH	SAV1	S	SWTEMP	0.00	0.6930	0.004	22.600	0.38	No Trend	0.9193
CB7PH	SAV1	B	BWTEMP	0.00	0.4816	-0.010	21.925	-1.00	No Trend	0.8765
CB8PH	SAV1	S	STN	0.00	0.1613	-0.0015	0.4650	-6.88	No Trend	0.9583
CB8PH	SAV1	B	BTN	0.00	0.0159	-0.0027	0.4904	-12.12	No Trend	0.4908
CB8PH	SAV1	S	SDIN	7.00	0.0015	0.0001	0.0199	8.29	Degrading	0.0978
CB8PH	SAV1	B	BDIN	1.00	0.1551	0.0002	0.0321	10.29	No Trend	0.5399
CB8PH	SAV1	S	STP	0.00	0.0000	-0.0005	0.0408	-26.99	Improving	0.6510
CB8PH	SAV1	B	BTP	0.00	0.0000	-0.0007	0.0529	-30.51	Improving	0.8767
CB8PH	SAV1	S	SPO4F	12.00	0.0000	0.0000	0.0111	0.00	Unchanged	0.5784
CB8PH	SAV1	B	BPO4F	1.00	0.0000	-0.0003	0.0193	-34.29	Improving	0.7186
CB8PH	SAV1	S	SCHLA	15.00	0.0020	0.103	4.440	-	Degrading	0.1599
CB8PH	SAV1	S	STSS	16.00	0.0282	0.075	6.350	-	No Trend	0.8097
CB8PH	SAV1	B	BTSS	4.00	0.4736	0.039	10.825	7.85	No Trend	0.4503
CB8PH	SAV1	S	SECCHI	0.00	0.0000	-0.038	2.200	-37.50	Degrading	0.9465
CB8PH	SAV1	B	BDO	0.00	0.0000	0.040	6.400	13.75	Improving	0.8156
CB8PH	SAV1	S	SSALINITY	0.00	0.0001	-0.126	25.298	-10.97	Decreasing	0.9121
CB8PH	SAV1	B	BSALINITY	0.00	0.0000	-0.064	29.920	-4.74	Decreasing	0.9223
CB8PH	SAV1	S	SWTEMP	0.00	0.3501	-0.011	21.575	-1.12	No Trend	0.5204
CB8PH	SAV1	B	BWTEMP	0.00	0.5648	-0.013	19.375	-1.49	No Trend	0.4415
APPTF	SAV2	S	SCHLA	0.00	0.0783	0.038	4.486	18.53	No Trend	0.4559
APPTF	SAV2	S	STSS	0.00	0.0140	-0.200	9.075	-48.48	No Trend	0.3220
APPTF	SAV2	B	BTSS	0.00	0.2519	-0.136	9.075	-33.04	No Trend	0.2412
APPTF	SAV2	S	SECCHI	0.00	0.0084	-0.007	0.975	-16.12	Degrading	0.0747
APPTF	SAV2	B	BDO	0.00	0.1093	0.015	8.275	3.99	No Trend	0.0310
APPTF	SAV2	S	SSALINITY	0.00	0.0097	0.000	9.650	0.00	Unchanged	0.2527
APPTF	SAV2	B	BSALINITY	0.00	0.0104	0.000	9.650	0.00	No Trend	0.2440
APPTF	SAV2	S	SWTEMP	0.00	0.0488	0.052	19.550	5.81	No Trend	0.2112
APPTF	SAV2	B	BWTEMP	0.00	0.0879	0.049	19.050	5.67	No Trend	0.2512
JMSTF1	SAV2	S	SCHLA	0.00	0.4390	0.016	4.939	7.33	No Trend	0.0847
JMSTF1	SAV2	S	STSS	0.00	0.1055	-0.163	9.075	-39.60	No Trend	0.4383
JMSTF1	SAV2	B	BTSS	0.00	0.0546	-0.222	9.075	-53.91	No Trend	0.9060
JMSTF1	SAV2	S	SECCHI	0.00	0.0016	-0.008	1.000	-18.33	Degrading	0.0861
JMSTF1	SAV2	B	BDO	0.00	0.0694	0.017	7.725	4.75	No Trend	0.2425
JMSTF1	SAV2	S	SSALINITY	0.00	0.0399	0.000	9.675	0.00	No Trend	0.1506
JMSTF1	SAV2	B	BSALINITY	0.00	0.0517	0.000	9.675	0.00	No Trend	0.1212
JMSTF1	SAV2	S	SWTEMP	0.00	0.0262	0.060	18.550	7.12	No Trend	0.2274
JMSTF1	SAV2	B	BWTEMP	0.00	0.0699	0.045	18.425	5.43	No Trend	0.4290

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
JMSTF2	SAV2	S	SCHLA	10.00	0.0892	0.000	4.486	0.00	No Trend	0.7778
JMSTF2	SAV2	S	STSS	0.00	0.1737	-0.126	9.075	-30.57	No Trend	0.5488
JMSTF2	SAV2	B	BTSS	0.00	0.3765	-0.114	9.075	-27.60	No Trend	0.1494
JMSTF2	SAV2	S	SECCHI	0.00	0.0002	-0.017	1.250	-29.33	Degrading	0.3370
JMSTF2	SAV2	B	BDO	0.00	0.1784	0.013	7.550	3.84	No Trend	0.0987
JMSTF2	SAV2	S	SSALINITY	0.00	0.0493	0.000	9.628	0.00	No Trend	0.0479
JMSTF2	SAV2	B	BSALINITY	0.00	0.0629	0.000	9.628	0.00	No Trend	0.0562
JMSTF2	SAV2	S	SWTEMP	0.00	0.4220	0.029	19.550	3.22	No Trend	0.6591
JMSTF2	SAV2	B	BWTEMP	0.00	0.0960	0.050	18.925	5.81	No Trend	0.3128
CHKOH	SAV2	S	SCHLA	0.00	0.1404	0.034	4.298	17.51	No Trend	0.5859
CHKOH	SAV2	S	STSS	0.00	0.1171	-0.158	9.075	-38.32	No Trend	0.6421
CHKOH	SAV2	B	BTSS	0.00	0.2713	-0.137	9.075	-33.23	No Trend	0.3708
CHKOH	SAV2	S	SECCHI	0.00	0.0000	-0.013	1.500	-19.56	Degrading	0.3019
CHKOH	SAV2	B	BDO	0.00	0.0408	0.022	6.325	7.54	No Trend	0.1170
CHKOH	SAV2	S	SSALINITY	0.00	0.1339	0.000	20.340	0.00	No Trend	0.0176
CHKOH	SAV2	B	BSALINITY	0.00	0.1339	0.000	20.340	0.00	No Trend	0.0176
CHKOH	SAV2	S	SWTEMP	0.00	0.1587	0.036	21.025	3.79	No Trend	0.3505
CHKOH	SAV2	B	BWTEMP	0.00	0.1705	0.033	21.025	3.50	No Trend	0.3209
JMSOH	SAV2	S	SCHLA	0.00	0.1674	0.032	4.539	15.67	No Trend	0.2053
JMSOH	SAV2	S	STSS	0.00	0.0029	-0.286	9.075	-69.26	Improving	0.9079
JMSOH	SAV2	B	BTSS	0.00	0.0056	-0.300	9.075	-72.73	Improving	0.9006
JMSOH	SAV2	S	SECCHI	0.00	0.2576	0.000	0.925	0.00	No Trend	0.0013
JMSOH	SAV2	B	BDO	0.00	0.8087	0.000	7.800	0.00	No Trend	0.0077
JMSOH	SAV2	S	SSALINITY	0.00	0.7794	0.000	11.025	0.00	No Trend	0.0168
JMSOH	SAV2	B	BSALINITY	0.00	0.8065	0.000	11.223	0.00	No Trend	0.0108
JMSOH	SAV2	S	SWTEMP	0.00	0.1229	0.039	18.375	4.66	No Trend	0.6164
JMSOH	SAV2	B	BWTEMP	0.00	0.1173	0.040	18.450	4.77	No Trend	0.5861
JMSMH	SAV2	S	SCHLA	2.00	0.3174	0.024	4.486	11.58	No Trend	0.4582
JMSMH	SAV2	S	STSS	1.00	0.2301	-0.118	12.700	-20.38	No Trend	0.7553
JMSMH	SAV2	B	BTSS	0.00	0.7416	-0.050	9.075	-12.12	No Trend	0.1781
JMSMH	SAV2	S	SECCHI	0.00	0.1186	-0.004	1.075	-7.87	No Trend	0.0065
JMSMH	SAV2	B	BDO	0.00	0.5412	0.007	7.650	1.93	No Trend	0.0363
JMSMH	SAV2	S	SSALINITY	0.00	0.2493	-0.055	16.960	-7.10	No Trend	0.1168
JMSMH	SAV2	B	BSALINITY	0.00	0.2689	-0.045	18.523	-5.34	No Trend	0.0853
JMSMH	SAV2	S	SWTEMP	0.00	0.2094	0.033	18.175	3.98	No Trend	0.6982
JMSMH	SAV2	B	BWTEMP	0.00	0.0997	0.038	17.950	4.67	No Trend	0.5278
JMSPH	SAV2	S	SCHLA	5.00	0.5341	0.015	6.940	4.63	No Trend	0.0760
JMSPH	SAV2	S	STSS	1.00	0.8358	-0.008	9.775	-1.84	No Trend	0.0256
JMSPH	SAV2	B	BTSS	0.00	0.8268	-0.037	11.575	-6.97	No Trend	0.0298
JMSPH	SAV2	S	SECCHI	0.00	0.0001	-0.012	1.350	-19.17	Degrading	0.3522
JMSPH	SAV2	B	BDO	0.00	0.0006	0.031	7.750	8.87	Improving	0.3477
JMSPH	SAV2	S	SSALINITY	0.00	0.0304	-0.075	20.300	-8.16	No Trend	0.5093
JMSPH	SAV2	B	BSALINITY	0.00	0.0000	-0.128	21.515	-13.08	Decreasing	0.4060
JMSPH	SAV2	S	SWTEMP	0.00	0.3164	0.023	17.350	2.88	No Trend	0.6889
JMSPH	SAV2	B	BWTEMP	0.00	0.0332	0.050	16.825	6.54	No Trend	0.3154
WBEMH	SAV2	S	STN	0.00	0.0034	-0.0070	0.9475	-16.25	Improving	0.5477
WBEMH	SAV2	B	BTN	0.00	0.0169	-0.0065	0.9475	-15.13	No Trend	0.4403
WBEMH	SAV2	S	SDIN	9.47	0.6446	0.0004	0.29	2.71	No Trend	0.5876
WBEMH	SAV2	B	BDIN	4.09	0.7948	-0.0002	0.29	-1.31	No Trend	0.4497
WBEMH	SAV2	S	STP	0.00	0.0009	-0.0009	0.07	-26.71	Improving	0.2571
WBEMH	SAV2	B	BTP	0.00	0.0031	-0.0008	0.07	-25.14	Improving	0.1115
WBEMH	SAV2	S	SPO4F	13.22	0.1797	0.0000	0.0475	-1.72	No Trend	0.9134
WBEMH	SAV2	B	BPO4F	16.38	0.1725	0.0000	0.0475	-	No Trend	0.9806

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
WBEMH	SAV2	S	SCHLA	0.00	0.3629	-0.0325	3.325	-21.50	No Trend	0.6588
WBEMH	SAV2	S	STSS	0.00	0.0252	-0.2214	12	-40.60	No Trend	0.1501
WBEMH	SAV2	B	BTSS	0.00	0.1245	-0.1786	12	-32.74	No Trend	0.0340
WBEMH	SAV2	S	SECCHI	0.00	0.0081	-0.0091	1.275	-15.69	DEGRADING	0.3915
WBEMH	SAV2	B	BDO	0.00	0.2680	0.0169	6.25	5.94	No Trend	0.1825
WBEMH	SAV2	S	SSALINITY	0.00	0.0600	-0.0994	23.1275	-9.45	No Trend	0.0572
WBEMH	SAV2	B	BSALINITY	0.00	0.0239	-0.1071	23.1275	-10.19	No Trend	0.1440
WBEMH	SAV2	B	BWTEMP	0.00	0.0565	0.0400	21.075	4.18	No Trend	0.2511
WBEMH	SAV2	S	SWTEMP	0.00	0.1703	0.0327	21.075	3.41	No Trend	0.6521
SBEMH	SAV2	S	STN	0.00	0.0002	-0.0114	0.9475	-26.55	Improving	0.5531
SBEMH	SAV2	B	BTN	0.00	0.0634	-0.0059	0.9475	-13.64	No Trend	0.2688
SBEMH	SAV2	S	SDIN	0.00	0.3202	-0.0024	0.29	-18.04	No Trend	0.2291
SBEMH	SAV2	B	BDIN	0.00	0.6870	0.0005	0.29	3.79	No Trend	0.5383
SBEMH	SAV2	S	STP	0.00	0.0000	-0.0011	0.07	-33.87	Improving	0.2131
SBEMH	SAV2	B	BTP	0.00	0.0000	-0.0010	0.07	-32.17	Improving	0.1423
SBEMH	SAV2	S	SPO4F	3.85	0.0562	-0.0003	0.0475	-11.58	No Trend	0.9729
SBEMH	SAV2	B	BPO4F	3.43	0.0172	-0.0004	0.0475	-17.43	No Trend	0.9528
SBEMH	SAV2	S	SCHLA	7.69	0.2458	-0.0332	3.325	-21.96	No Trend	0.6693
SBEMH	SAV2	S	STSS	0.00	0.0002	-0.2500	12	-45.83	Improving	0.7765
SBEMH	SAV2	B	BTSS	0.00	0.0001	-0.3339	12	-61.22	Improving	0.9690
SBEMH	SAV2	S	SECCHI	0.00	0.1166	-0.0067	1.275	-11.50	No Trend	0.0819
SBEMH	SAV2	B	BDO	0.00	0.0132	0.0338	6.25	11.91	No Trend	0.6770
SBEMH	SAV2	S	SSALINITY	0.00	0.1871	-0.0592	23.1275	-5.63	No Trend	0.0089
SBEMH	SAV2	B	BSALINITY	0.00	0.0021	-0.1746	23.1275	-16.61	Decreasing	0.4880
SBEMH	SAV2	B	BWTEMP	0.00	0.0052	0.0712	21.075	7.44	Increasing	0.0711
SBEMH	SAV2	S	SWTEMP	0.00	0.0600	0.0433	21.075	4.52	No Trend	0.4179
EBEMH	SAV2	S	STN	0.00	0.0040	-0.0087	0.9475	-20.25	Improving	0.2238
EBEMH	SAV2	B	BTN	0.00	0.0024	-0.0070	0.9475	-16.21	Improving	0.7100
EBEMH	SAV2	S	SDIN	0.00	0.4519	-0.0021	0.29	-15.91	No Trend	0.3638
EBEMH	SAV2	B	BDIN	0.00	0.9028	0.0001	0.29	0.92	No Trend	0.5080
EBEMH	SAV2	S	STP	0.00	0.0000	-0.0010	0.07	-31.43	Improving	0.1749
EBEMH	SAV2	B	BTP	0.00	0.0000	-0.0008	0.07	-25.32	Improving	0.3047
EBEMH	SAV2	S	SPO4F	7.02	0.2815	-0.0001	0.0475	-3.41	No Trend	0.9333
EBEMH	SAV2	B	BPO4F	3.48	0.1789	-0.0001	0.0475	-4.63	No Trend	0.9652
EBEMH	SAV2	S	SCHLA	4.35	0.6196	-0.0142	3.325	-9.41	No Trend	0.7591
EBEMH	SAV2	S	STSS	0.00	0.0010	-0.2500	12	-45.83	Improving	0.3499
EBEMH	SAV2	B	BTSS	0.00	0.0002	-0.3044	12	-55.81	Improving	0.6489
EBEMH	SAV2	S	SECCHI	0.00	0.0382	-0.0083	1.275	-14.38	No Trend	0.1566
EBEMH	SAV2	B	BDO	0.00	0.0122	0.0330	6.25	11.62	No Trend	0.6067
EBEMH	SAV2	S	SSALINITY	0.00	0.1265	-0.0859	23.1275	-8.17	No Trend	0.0168
EBEMH	SAV2	B	BSALINITY	0.00	0.0066	-0.1383	23.1275	-13.15	Decreasing	0.2123
EBEMH	SAV2	B	BWTEMP	0.00	0.0136	0.0577	21.075	6.03	No Trend	0.0870
EBEMH	SAV2	S	SWTEMP	0.00	0.0801	0.0363	21.075	3.78	No Trend	0.5073
LAFMH	SAV2	S	STN	0.00	0.0185	-0.0073	0.9475	-17.02	No Trend	0.3116
LAFMH	SAV2	B	BTN	0.00	0.0140	-0.0076	0.9475	-17.55	No Trend	0.2237
LAFMH	SAV2	S	SDIN	9.26	0.8699	0.0001	0.29	0.95	No Trend	0.5351
LAFMH	SAV2	B	BDIN	6.19	0.9084	0.0001	0.29	0.92	No Trend	0.3493
LAFMH	SAV2	S	STP	0.00	0.0017	-0.0009	0.07	-29.86	Improving	0.0486
LAFMH	SAV2	B	BTP	0.00	0.0023	-0.0009	0.07	-28.11	Improving	0.0719
LAFMH	SAV2	S	SPO4F	6.19	0.1190	-0.0003	0.0475	-12.47	No Trend	0.9792
LAFMH	SAV2	B	BPO4F	6.90	0.2194	-0.0002	0.0475	-9.26	No Trend	0.8635

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
LAFMH	SAV2	S	SCHLA	0.00	0.8863	0.0042	3.325	2.76	No Trend	0.8326
LAFMH	SAV2	S	STSS	0.00	0.0028	-0.2666	12	-48.88	Improving	0.0849
LAFMH	SAV2	B	BTSS	0.00	0.0005	-0.3188	12	-58.46	Improving	0.7469
LAFMH	SAV2	S	SECCHI	0.00	0.0109	-0.0143	1.275	-24.65	No Trend	0.0181
LAFMH	SAV2	B	BDO	0.00	0.0075	0.0412	6.25	14.50	Improving	0.7908
LAFMH	SAV2	S	SSALINITY	0.00	0.0030	-0.1967	23.1275	-18.71	Decreasing	0.1398
LAFMH	SAV2	B	BSALINITY	0.00	0.0024	-0.1965	23.1275	-18.70	Decreasing	0.1977
LAFMH	SAV2	B	BWTEMP	0.00	0.6373	0.0167	21.075	1.74	No Trend	0.8795
LAFMH	SAV2	S	SWTEMP	0.00	0.7060	0.0118	21.075	1.23	No Trend	0.8480
ELIPH	SAV2	S	SCHLA	1.20	0.1246	-0.0471	5.84	-17.76	No Trend	0.5413
ELIPH	SAV2	S	STSS	0.00	0.0028	-0.2500	12	-45.83	Improving	0.8315
ELIPH	SAV2	B	BTSS	0.00	0.0017	-0.2906	12	-53.28	Improving	0.8541
ELIPH	SAV2	S	SECCHI	0.00	0.0006	-0.0115	1.15	-22.07	DEGRADING	0.4888
ELIPH	SAV2	B	BDO	0.00	0.1393	0.0135	7	4.24	No Trend	0.3207
ELIPH	SAV2	S	SSALINITY	0.00	0.0352	-0.1000	20.4125	-10.78	No Trend	0.2111
ELIPH	SAV2	B	BSALINITY	0.00	0.0000	-0.1650	22.485	-16.14	Decreasing	0.9597
ELIPH	SAV2	B	BWTEMP	0.00	0.0136	0.0581	17	7.52	No Trend	0.2519
ELIPH	SAV2	S	SWTEMP	0.00	0.0240	0.0473	18	5.79	No Trend	0.1977
PMKTF	SAV2	S	SCHLA	4.00	0.0126	0.000	3.235	0.00	No Trend	0.9312
PMKTF	SAV2	S	STSS	0.00	0.9064	0.000	9.075	0.00	No Trend	0.0903
PMKTF	SAV2	B	BTSS	0.00	0.2689	-0.116	9.075	-28.06	No Trend	0.5999
PMKTF	SAV2	S	SECCHI	0.00	0.0000	-0.017	1.300	-28.21	Degrading	0.8941
PMKTF	SAV2	B	BDO	0.00	0.0003	0.034	7.125	10.37	Improving	0.5211
PMKTF	SAV2	S	SSALINITY	0.00	0.0647	0.000	9.650	0.00	No Trend	0.0585
PMKTF	SAV2	B	BSALINITY	0.00	0.0654	0.000	9.650	0.00	No Trend	0.0586
PMKTF	SAV2	S	SWTEMP	0.00	0.0522	-0.053	19.300	-6.00	No Trend	0.4300
PMKTF	SAV2	B	BWTEMP	0.00	0.0597	-0.050	19.175	-5.74	No Trend	0.4635
PMKOH	SAV2	S	SCHLA	0.00	0.1493	0.013	4.350	6.57	No Trend	0.5276
PMKOH	SAV2	S	STSS	1.00	0.0577	-0.222	29.300	-16.69	No Trend	0.8689
PMKOH	SAV2	B	BTSS	0.00	0.1106	-0.200	9.075	-48.48	No Trend	0.7044
PMKOH	SAV2	S	SECCHI	0.00	0.0719	0.000	0.800	0.00	No Trend	0.0037
PMKOH	SAV2	B	BDO	0.00	0.0005	0.031	7.050	9.72	Improving	0.4085
PMKOH	SAV2	S	SSALINITY	0.00	0.2205	-0.031	12.165	-5.55	No Trend	0.1875
PMKOH	SAV2	B	BSALINITY	0.00	0.0910	-0.041	12.270	-7.40	No Trend	0.3792
PMKOH	SAV2	S	SWTEMP	0.00	0.0270	-0.050	18.475	-5.95	No Trend	0.1608
PMKOH	SAV2	B	BWTEMP	0.00	0.0372	-0.052	18.400	-6.23	No Trend	0.2315
MPNTF	SAV2	S	SCHLA	2.00	0.0892	0.000	3.535	0.00	No Trend	0.5234
MPNTF	SAV2	S	STSS	0.00	0.5656	-0.034	9.075	-8.20	No Trend	0.3503
MPNTF	SAV2	B	BTSS	0.00	0.3344	-0.104	9.075	-25.25	No Trend	0.3001
MPNTF	SAV2	S	SECCHI	0.00	0.0000	-0.019	1.300	-31.73	Degrading	0.8210
MPNTF	SAV2	B	BDO	0.00	0.0010	0.028	7.175	8.69	Improving	0.6606
MPNTF	SAV2	S	SSALINITY	0.00	0.0108	0.000	9.628	0.00	No Trend	0.1914
MPNTF	SAV2	B	BSALINITY	0.00	0.0108	0.000	9.628	0.00	No Trend	0.1914
MPNTF	SAV2	S	SWTEMP	0.00	0.2790	-0.025	19.050	-2.91	No Trend	0.7809
MPNTF	SAV2	B	BWTEMP	0.00	0.2105	-0.033	18.925	-3.78	No Trend	0.7291
MPNOH	SAV2	S	SCHLA	0.00	0.0313	0.000	3.583	0.00	No Trend	0.6395
MPNOH	SAV2	S	STSS	0.00	0.4629	-0.113	11.800	-20.97	No Trend	0.1655
MPNOH	SAV2	B	BTSS	0.00	0.2130	-0.150	9.550	-34.55	No Trend	0.2640
MPNOH	SAV2	S	SECCHI	0.00	0.0424	0.000	0.900	0.00	No Trend	0.0110
MPNOH	SAV2	B	BDO	0.00	0.0003	0.032	7.050	9.88	Improving	0.5584
MPNOH	SAV2	S	SSALINITY	0.00	0.2251	-0.014	11.313	-2.73	No Trend	0.1310
MPNOH	SAV2	B	BSALINITY	0.00	0.2067	-0.020	11.778	-3.74	No Trend	0.0980
MPNOH	SAV2	S	SWTEMP	0.00	0.1481	-0.033	18.550	-3.85	No Trend	0.6849
MPNOH	SAV2	B	BWTEMP	0.00	0.1185	-0.035	18.350	-4.20	No Trend	0.6183

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
YRKMH	SAV2	S	SCHLA	0.00	0.0156	0.062	6.223	21.92	No Trend	0.9558
YRKMH	SAV2	S	STSS	0.00	0.2555	-0.142	9.075	-34.44	No Trend	0.4390
YRKMH	SAV2	B	BTSS	0.00	0.7838	-0.041	9.075	-10.00	No Trend	0.1667
YRKMH	SAV2	S	SECCHI	0.00	0.0524	-0.004	0.900	-8.73	No Trend	0.0015
YRKMH	SAV2	B	BDO	0.00	0.0015	0.032	7.050	10.14	Improving	0.6730
YRKMH	SAV2	S	SSALINITY	0.00	0.0928	-0.056	15.980	-7.73	No Trend	0.3971
YRKMH	SAV2	B	BSALINITY	0.00	0.0801	-0.065	16.478	-8.73	No Trend	0.4063
YRKMH	SAV2	S	SWTEMP	0.00	0.0166	-0.064	18.325	-7.64	No Trend	0.1724
YRKMH	SAV2	B	BWTEMP	0.00	0.0439	-0.050	18.125	-6.07	No Trend	0.3764
YRKPH	SAV2	S	SCHLA	2.00	0.1045	0.042	6.663	13.76	No Trend	0.7400
YRKPH	SAV2	S	STSS	2.00	0.8980	0.000	8.800	0.00	No Trend	0.1320
YRKPH	SAV2	B	BTSS	0.00	0.3884	-0.122	9.075	-29.52	No Trend	0.2599
YRKPH	SAV2	S	SECCHI	0.00	0.0000	-0.017	1.400	-26.19	Degrading	0.4751
YRKPH	SAV2	B	BDO	0.00	0.0016	0.033	7.350	9.77	Improving	0.5285
YRKPH	SAV2	S	SSALINITY	0.00	0.0133	-0.085	19.675	-9.54	No Trend	0.8008
YRKPH	SAV2	B	BSALINITY	0.00	0.0439	-0.057	20.593	-6.13	No Trend	0.4948
YRKPH	SAV2	S	SWTEMP	0.00	0.0151	-0.058	17.425	-7.38	No Trend	0.2112
YRKPH	SAV2	B	BWTEMP	0.00	0.0351	-0.050	17.300	-6.36	No Trend	0.3563
MOBPH	SAV2	S	STN	0.00	0.0000	-0.0054	0.5155	-23.15	Improving	0.8935
MOBPH	SAV2	B	BTN	0.00	0.0000	-0.0060	0.5408	-24.60	Improving	0.9332
MOBPH	SAV2	S	SDIN	0.00	0.7889	0.0000	0.1061	0.00	No Trend	0.1170
MOBPH	SAV2	B	BDIN	0.00	0.8083	0.0000	0.1254	0.00	No Trend	0.1224
MOBPH	SAV2	S	STP	1.00	0.0381	-0.0002	0.0303	-12.83	No Trend	0.1915
MOBPH	SAV2	B	BTP	0.00	0.0904	-0.0002	0.0330	-11.88	No Trend	0.2096
MOBPH	SAV2	S	SPO4F	41.00	0.8369	0.0000	0.0080	-	High BDLs	0.2951
MOBPH	SAV2	B	BPO4F	34.00	0.8369	0.0000	0.0080	-	No Trend	0.2951
MOBPH	SAV2	S	SCHLA	0.00	0.1345	0.030	4.375	15.33	No Trend	0.6033
MOBPH	SAV2	S	STSS	1.00	0.0182	-0.144	9.675	-32.70	No Trend	0.8863
MOBPH	SAV2	B	BTSS	1.00	0.2542	-0.083	10.675	-17.09	No Trend	0.2609
MOBPH	SAV2	S	SECCHI	0.00	0.0000	-0.020	1.500	-29.33	Degrading	0.6950
MOBPH	SAV2	B	BDO	0.00	0.0000	0.041	7.625	11.92	Improving	0.1581
MOBPH	SAV2	S	SSALINITY	0.00	0.0084	-0.094	19.805	-10.44	Decreasing	0.8942
MOBPH	SAV2	B	BSALINITY	0.00	0.0087	-0.090	19.880	-9.96	Decreasing	0.8812
MOBPH	SAV2	S	SWTEMP	0.00	0.7472	0.011	17.600	1.39	No Trend	0.7119
MOBPH	SAV2	B	BWTEMP	0.00	0.8992	0.003	17.000	0.41	No Trend	0.8758
RPPTF	SAV2	S	SCHLA	0.00	0.0220	0.046	4.298	23.42	No Trend	0.8458
RPPTF	SAV2	S	STSS	0.00	0.3865	-0.107	9.075	-25.86	No Trend	0.4742
RPPTF	SAV2	B	BTSS	0.00	0.2777	-0.133	9.075	-32.23	No Trend	0.5495
RPPTF	SAV2	S	SECCHI	0.00	0.0002	-0.011	1.500	-15.44	Degrading	0.3314
RPPTF	SAV2	B	BDO	0.00	0.0037	0.028	7.800	7.76	Improving	0.6869
RPPTF	SAV2	S	SSALINITY	0.00	0.8025	0.000	9.628	0.00	No Trend	0.0000
RPPTF	SAV2	B	BSALINITY	0.00	0.8133	0.000	9.628	0.00	No Trend	0.0000
RPPTF	SAV2	S	SWTEMP	0.00	0.8159	0.006	18.300	0.75	No Trend	0.9401
RPPTF	SAV2	B	BWTEMP	0.00	0.6667	0.010	18.300	1.25	No Trend	0.9206
RPPOH	SAV2	S	SCHLA	0.00	0.0007	0.077	3.905	43.43	Degrading	0.3308
RPPOH	SAV2	S	STSS	0.00	0.0836	-0.184	9.075	-44.61	No Trend	0.4699
RPPOH	SAV2	B	BTSS	0.00	0.4365	-0.122	9.075	-29.46	No Trend	0.1582
RPPOH	SAV2	S	SECCHI	0.00	0.0088	-0.005	0.850	-11.76	Degrading	0.0702
RPPOH	SAV2	B	BDO	0.00	0.0011	0.032	7.800	8.93	Improving	0.6708
RPPOH	SAV2	S	SSALINITY	0.00	0.0099	-0.016	10.705	-3.21	Decreasing	0.7017
RPPOH	SAV2	B	BSALINITY	0.00	0.0127	-0.016	19.245	-1.79	No Trend	0.7013
RPPOH	SAV2	S	SWTEMP	0.00	0.3956	-0.021	18.250	-2.56	No Trend	0.7968
RPPOH	SAV2	B	BWTEMP	0.00	0.2953	-0.022	18.900	-2.55	No Trend	0.7581

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
RPPMH	SAV2	S	SCHLA	3.00	0.0517	0.049	5.483	19.60	No Trend	0.7954
RPPMH	SAV2	S	STSS	10.00	0.4126	-0.056	8.800	-14.11	No Trend	0.5921
RPPMH	SAV2	B	BTSS	1.00	0.4470	0.057	8.450	14.89	No Trend	0.0407
RPPMH	SAV2	S	SECCHI	0.00	0.0000	-0.017	1.350	-27.16	Degrading	0.0653
RPPMH	SAV2	B	BDO	0.00	0.0293	0.022	7.325	6.72	No Trend	0.3811
RPPMH	SAV2	S	SSALINITY	0.00	0.0026	-0.107	17.183	-13.73	Decreasing	0.9613
RPPMH	SAV2	B	BSALINITY	0.00	0.0014	-0.107	17.423	-13.49	Decreasing	0.9797
RPPMH	SAV2	S	SWTEMP	0.00	0.1893	-0.029	17.800	-3.57	No Trend	0.7143
RPPMH	SAV2	B	BWTEMP	0.00	0.0950	-0.033	16.250	-4.46	No Trend	0.4651
CRRMH	SAV2	S	SCHLA	0.00	0.0187	0.050	4.939	22.27	No Trend	0.9430
CRRMH	SAV2	S	STSS	3.00	0.0243	-0.071	8.000	-19.64	No Trend	0.9474
CRRMH	SAV2	B	BTSS	0.00	0.1768	-0.111	8.600	-28.42	No Trend	0.6456
CRRMH	SAV2	S	SECCHI	0.00	0.0000	-0.021	1.850	-25.48	Degrading	0.7181
CRRMH	SAV2	B	BDO	0.00	0.0489	0.022	7.675	6.37	No Trend	0.2972
CRRMH	SAV2	S	SSALINITY	0.00	0.0012	-0.114	17.733	-14.14	Decreasing	0.9919
CRRMH	SAV2	B	BSALINITY	0.00	0.0009	-0.107	17.778	-13.28	Decreasing	0.9931
CRRMH	SAV2	S	SWTEMP	0.00	0.3110	-0.022	18.300	-2.69	No Trend	0.8492
CRRMH	SAV2	B	BWTEMP	0.00	0.0453	-0.048	17.825	-5.91	No Trend	0.3669
PIAMH	SAV2	S	STN	0.00	0.0001	-0.0061	0.6018	-22.43	Improving	0.6695
PIAMH	SAV2	B	BTN	0.00	0.0003	-0.0061	0.6188	-21.77	Improving	0.3597
PIAMH	SAV2	S	SDIN	13.00	0.8148	0.0000	0.1488	0.00	No Trend	0.2127
PIAMH	SAV2	B	BDIN	12.00	0.9173	0.0000	0.1500	0.00	No Trend	0.2226
PIAMH	SAV2	S	STP	0.00	0.0003	-0.0003	0.0323	-22.54	Improving	0.2783
PIAMH	SAV2	B	BTP	0.00	0.0056	-0.0003	0.0328	-16.79	Improving	0.2468
PIAMH	SAV2	S	SPO4F	11.00	0.6014	0.0000	0.0100	0.00	No Trend	0.2006
PIAMH	SAV2	B	BPO4F	10.00	0.6508	0.0000	0.0100	0.00	No Trend	0.1844
PIAMH	SAV2	S	SCHLA	3.00	0.2254	0.028	4.939	12.39	No Trend	0.5752
PIAMH	SAV2	S	STSS	4.00	0.0179	-0.126	7.950	-34.79	No Trend	0.6907
PIAMH	SAV2	B	BTSS	1.00	0.0717	-0.123	9.275	-29.10	No Trend	0.9300
PIAMH	SAV2	S	SECCHI	0.00	0.0000	-0.021	1.775	-26.56	Degrading	0.7350
PIAMH	SAV2	B	BDO	0.00	0.0000	0.041	7.800	11.54	Improving	0.3878
PIAMH	SAV2	S	SSALINITY	0.00	0.0017	-0.111	18.458	-13.24	Decreasing	0.9444
PIAMH	SAV2	B	BSALINITY	0.00	0.0008	-0.112	18.638	-13.21	Decreasing	0.9798
PIAMH	SAV2	S	SWTEMP	0.00	0.5963	-0.012	17.475	-1.54	No Trend	0.5228
PIAMH	SAV2	B	BWTEMP	0.00	0.4655	-0.017	17.075	-2.15	No Trend	0.4243
POCMH	SAV2	S	STN	0.00	0.0046	-0.0052	0.6188	-18.48	Improving	0.1572
POCMH	SAV2	B	BTN	0.00	0.0241	-0.0039	0.6293	-13.73	No Trend	0.0547
POCMH	SAV2	S	SDIN	0.00	0.5301	0.0000	0.1458	0.00	No Trend	0.0669
POCMH	SAV2	B	BDIN	0.00	0.4742	0.0000	0.1458	0.00	No Trend	0.0586
POCMH	SAV2	S	STP	0.00	0.2447	-0.0002	0.0323	-12.03	No Trend	0.1603
POCMH	SAV2	B	BTP	0.00	0.3940	-0.0001	0.0353	-5.11	No Trend	0.0973
POCMH	SAV2	S	SPO4F	11.00	0.6980	0.0000	0.0080	0.00	No Trend	0.3972
POCMH	SAV2	B	BPO4F	11.00	0.9008	0.0000	0.0080	0.00	No Trend	0.4647
POCMH	SAV2	S	SCHLA	0.00	0.0188	0.056	5.185	23.83	No Trend	0.9470
POCMH	SAV2	S	STSS	0.00	0.1500	-0.138	10.675	-28.39	No Trend	0.8586
POCMH	SAV2	B	BTSS	0.00	0.4070	-0.099	11.400	-19.18	No Trend	0.3291
POCMH	SAV2	S	SECCHI	0.00	0.0000	-0.021	1.500	-31.43	Degrading	0.8515
POCMH	SAV2	B	BDO	0.00	0.1140	0.014	7.800	4.03	No Trend	0.2194
POCMH	SAV2	S	SSALINITY	0.00	0.0011	-0.103	19.033	-11.90	Decreasing	0.9883
POCMH	SAV2	B	BSALINITY	0.00	0.0051	-0.090	19.065	-10.39	Decreasing	0.9313
POCMH	SAV2	S	SWTEMP	0.00	0.9816	0.000	17.625	0.05	No Trend	0.9100
POCMH	SAV2	B	BWTEMP	0.00	1.0000	0.000	17.500	0.00	No Trend	0.8647

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
CB5MH	SAV2	S	STN	0.00	0.0012	-0.0061	0.6767	-19.87	Improving	0.3326
CB5MH	SAV2	B	BTN	0.00	0.0012	-0.0063	0.6689	-20.56	Improving	0.3629
CB5MH	SAV2	S	SDIN	5.00	0.4367	0.0000	0.1520	0.00	No Trend	0.4290
CB5MH	SAV2	B	BDIN	0.00	0.5982	0.0000	0.1500	0.00	No Trend	0.2952
CB5MH	SAV2	S	STP	3.00	0.6533	0.0000	0.0278	1.98	No Trend	0.0032
CB5MH	SAV2	B	BTP	0.00	0.7384	0.0000	0.0363	1.39	No Trend	0.0036
CB5MH	SAV2	S	SPO4F	58.00	0.5208	0.0000	0.0080	-	High BDLs	0.3947
CB5MH	SAV2	B	BPO4F	22.00	0.5208	0.0000	0.0080	-	No Trend	0.3947
CB5MH	SAV2	S	SCHLA	0.00	0.0477	0.051	4.939	22.72	No Trend	0.6141
CB5MH	SAV2	S	STSS	18.00	0.1930	-0.039	6.175	-	No Trend	0.7965
CB5MH	SAV2	B	BTSS	2.00	0.6869	-0.028	8.950	-6.78	No Trend	0.1019
CB5MH	SAV2	S	SECCHI	0.00	0.0000	-0.023	2.025	-25.07	Degrading	0.8544
CB5MH	SAV2	B	BDO	0.00	0.0500	0.019	6.775	6.31	No Trend	0.2972
CB5MH	SAV2	S	SSALINITY	0.00	0.0017	-0.110	17.190	-14.05	Decreasing	0.9647
CB5MH	SAV2	B	BSALINITY	0.00	0.0059	-0.087	20.068	-9.58	Decreasing	0.6244
CB5MH	SAV2	S	SWTEMP	0.00	0.5963	-0.011	16.675	-1.45	No Trend	0.9088
CB5MH	SAV2	B	BWTEMP	0.00	0.9724	0.000	15.600	0.00	No Trend	0.9549
CB6PH	SAV2	S	STN	0.00	0.0000	-0.0068	0.6188	-24.13	Improving	0.7548
CB6PH	SAV2	B	BTN	0.00	0.0000	-0.0064	0.6143	-22.86	Improving	0.6855
CB6PH	SAV2	S	SDIN	4.00	0.6065	0.0000	0.1498	0.00	No Trend	0.3961
CB6PH	SAV2	B	BDIN	2.00	0.4365	0.0000	0.1407	0.00	No Trend	0.5292
CB6PH	SAV2	S	STP	0.00	0.0032	-0.0002	0.0270	-14.38	Improving	0.2904
CB6PH	SAV2	B	BTP	0.00	0.0488	-0.0002	0.0334	-12.20	No Trend	0.1397
CB6PH	SAV2	S	SPO4F	67.00	0.9484	0.0000	0.0080	-	High BDLs	0.2612
CB6PH	SAV2	B	BPO4F	22.00	0.9484	0.0000	0.0080	-	No Trend	0.2612
CB6PH	SAV2	S	SCHLA	11.00	0.1345	0.037	4.589	17.70	No Trend	0.4886
CB6PH	SAV2	S	STSS	19.00	0.2739	-0.052	7.650	-	No Trend	0.4781
CB6PH	SAV2	B	BTSS	2.00	0.7646	-0.031	10.163	-6.63	No Trend	0.0517
CB6PH	SAV2	S	SECCHI	0.00	0.0000	-0.020	1.850	-23.78	Degrading	0.6456
CB6PH	SAV2	B	BDO	0.00	0.0002	0.032	7.125	9.83	Improving	0.1945
CB6PH	SAV2	S	SSALINITY	0.00	0.0022	-0.098	19.070	-11.33	Decreasing	0.9668
CB6PH	SAV2	B	BSALINITY	0.00	0.0032	-0.093	21.285	-9.64	Decreasing	0.9521
CB6PH	SAV2	S	SWTEMP	0.00	0.7911	-0.008	17.125	-1.00	No Trend	0.7610
CB6PH	SAV2	B	BWTEMP	0.00	0.6617	-0.010	16.400	-1.37	No Trend	0.5983
CB7PH	SAV2	S	STN	0.00	0.0003	-0.0060	0.6063	-21.94	Improving	0.5823
CB7PH	SAV2	B	BTN	0.00	0.0000	-0.0061	0.5838	-22.83	Improving	0.7995
CB7PH	SAV2	S	SDIN	19.00	0.5963	0.0000	0.1488	-	No Trend	0.4086
CB7PH	SAV2	B	BDIN	8.00	0.3319	0.0000	0.1321	0.00	No Trend	0.5957
CB7PH	SAV2	S	STP	0.00	0.0019	-0.0002	0.0273	-16.21	Improving	0.2142
CB7PH	SAV2	B	BTP	0.00	0.0151	-0.0003	0.0336	-17.16	No Trend	0.3550
CB7PH	SAV2	S	SPO4F	82.00	0.9484	0.0000	0.0080	-	High BDLs	0.2612
CB7PH	SAV2	B	BPO4F	48.00	0.9484	0.0000	0.0080	-	High BDLs	0.2612
CB7PH	SAV2	S	SCHLA	21.00	0.1121	0.031	4.298	-	No Trend	0.5170
CB7PH	SAV2	S	STSS	22.00	0.0883	-0.083	7.075	-	No Trend	0.8423
CB7PH	SAV2	B	BTSS	5.00	0.4006	-0.090	10.925	-18.22	No Trend	0.2047
CB7PH	SAV2	S	SECCHI	0.00	0.0000	-0.021	2.050	-23.00	Degrading	0.2992
CB7PH	SAV2	B	BDO	0.00	0.0008	0.031	7.650	9.05	Improving	0.3023
CB7PH	SAV2	S	SSALINITY	0.00	0.0028	-0.101	19.768	-11.21	Decreasing	0.8394
CB7PH	SAV2	B	BSALINITY	0.00	0.0061	-0.083	21.515	-8.46	Decreasing	0.8705
CB7PH	SAV2	S	SWTEMP	0.00	0.9541	0.000	16.225	0.00	No Trend	0.8156
CB7PH	SAV2	B	BWTEMP	0.00	0.7559	-0.006	15.800	-0.89	No Trend	0.6158

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
CB8PH	SAV2	S	STN	0.00	0.0001	-0.0055	0.6120	-19.65	Improving	0.4756
CB8PH	SAV2	B	BTN	0.00	0.0002	-0.0050	0.6116	-17.89	Improving	0.3288
CB8PH	SAV2	S	SDIN	16.00	0.0666	0.0000	0.0896	-	No Trend	0.8660
CB8PH	SAV2	B	BDIN	5.00	0.0246	0.0000	0.0774	0.00	No Trend	0.9186
CB8PH	SAV2	S	STP	0.00	0.0000	-0.0005	0.0413	-28.44	Improving	0.0247
CB8PH	SAV2	B	BTP	0.00	0.0007	-0.0004	0.0500	-18.74	Improving	0.3447
CB8PH	SAV2	S	SPO4F	17.00	0.9612	0.0000	0.0110	-	No Trend	0.1556
CB8PH	SAV2	B	BPO4F	1.00	0.2329	0.0000	0.0110	0.00	No Trend	0.0593
CB8PH	SAV2	S	SCHLA	14.00	0.1649	0.028	4.546	13.36	No Trend	0.4873
CB8PH	SAV2	S	STSS	15.00	0.6632	-0.030	6.925	-	No Trend	0.3834
CB8PH	SAV2	B	BTSS	3.00	0.5405	-0.064	9.075	-15.45	No Trend	0.1188
CB8PH	SAV2	S	SECCHI	0.00	0.0000	-0.021	1.975	-23.21	Degrading	0.7876
CB8PH	SAV2	B	BDO	0.00	0.0001	0.034	7.800	9.46	Improving	0.1502
CB8PH	SAV2	S	SSALINITY	0.00	0.0090	-0.090	21.378	-9.22	Decreasing	0.7581
CB8PH	SAV2	B	BSALINITY	0.00	0.0005	-0.080	24.735	-7.12	Decreasing	0.7290
CB8PH	SAV2	S	SWTEMP	0.00	0.7329	-0.010	16.050	-1.37	No Trend	0.1749
CB8PH	SAV2	B	BWTEMP	0.00	0.5406	-0.012	15.575	-1.65	No Trend	0.1532
APPTF	Spring1	S	SCHLA	0.00	0.7163	0.017	13.025	2.69	No Trend	0.2948
APPTF	Spring1	S	STSS	0.00	0.0585	-0.250	23.750	-20.00	No Trend	0.0857
APPTF	Spring1	B	BTSS	0.00	0.6770	0.125	26.250	9.05	No Trend	0.1781
APPTF	Spring1	S	SECCHI	0.00	0.7719	0.000	0.525	0.00	No Trend	0.9199
APPTF	Spring1	B	BDO	0.00	0.6556	-0.005	9.700	-1.13	No Trend	0.0906
APPTF	Spring1	S	SSALINITY	0.00	0.8724	0.000	0.010	0.00	No Trend	0.3017
APPTF	Spring1	B	BSALINITY	0.00	0.7811	0.000	0.010	0.00	No Trend	0.3391
APPTF	Spring1	S	SWTEMP	0.00	0.0031	0.130	18.250	15.67	Increasing	0.4379
APPTF	Spring1	B	BWTEMP	0.00	0.0103	0.113	17.250	14.35	No Trend	0.3348
JMSTF1	Spring1	S	SCHLA	0.00	0.3114	-0.137	10.720	-26.79	No Trend	0.1121
JMSTF1	Spring1	S	STSS	0.00	0.6539	-0.125	24.250	-9.79	No Trend	0.2077
JMSTF1	Spring1	B	BTSS	0.00	0.3462	-0.667	41.500	-30.52	No Trend	0.8261
JMSTF1	Spring1	S	SECCHI	0.00	0.5509	0.000	0.625	0.00	No Trend	0.2005
JMSTF1	Spring1	B	BDO	0.00	0.9456	0.000	9.325	0.00	No Trend	0.7283
JMSTF1	Spring1	S	SSALINITY	0.00	0.2533	0.000	0.010	0.00	No Trend	0.8291
JMSTF1	Spring1	B	BSALINITY	0.00	0.1990	0.000	0.010	0.00	No Trend	0.8348
JMSTF1	Spring1	S	SWTEMP	0.00	0.0013	0.122	16.375	16.42	Increasing	0.6996
JMSTF1	Spring1	B	BWTEMP	0.00	0.0079	0.117	16.250	15.79	Increasing	0.8698
JMSTF2	Spring1	S	SCHLA	0.00	0.8367	0.000	6.300	0.00	No Trend	0.9436
JMSTF2	Spring1	S	STSS	0.00	0.9830	0.000	9.000	0.00	No Trend	0.4146
JMSTF2	Spring1	B	BTSS	0.00	0.4046	0.264	17.500	28.65	No Trend	0.1374
JMSTF2	Spring1	S	SECCHI	0.00	0.1856	-0.015	1.100	-30.38	No Trend	0.5173
JMSTF2	Spring1	B	BDO	0.00	0.4330	-0.020	8.925	-4.93	No Trend	0.6235
JMSTF2	Spring1	S	SSALINITY	0.00	0.0831	0.000	0.010	0.00	No Trend	0.8964
JMSTF2	Spring1	B	BSALINITY	0.00	0.0608	0.000	0.010	0.00	No Trend	0.9385
JMSTF2	Spring1	S	SWTEMP	0.00	0.2374	0.084	17.875	10.37	No Trend	0.4562
JMSTF2	Spring1	B	BWTEMP	0.00	0.0135	0.140	15.625	19.71	No Trend	0.3921
CHKOH	Spring1	S	SCHLA	0.00	0.8481	-0.025	17.378	-2.73	No Trend	0.7391
CHKOH	Spring1	S	STSS	0.00	0.7168	-0.059	18.500	-6.04	No Trend	0.4389
CHKOH	Spring1	B	BTSS	0.00	0.6856	0.200	25.000	15.20	No Trend	0.3056
CHKOH	Spring1	S	SECCHI	0.00	0.0606	-0.008	0.625	-23.38	No Trend	0.2576
CHKOH	Spring1	B	BDO	0.00	1.0000	0.000	9.075	0.00	No Trend	0.2224
CHKOH	Spring1	S	SSALINITY	0.00	0.0141	0.000	0.010	0.00	No Trend	0.8731
CHKOH	Spring1	B	BSALINITY	0.00	0.0141	0.000	0.010	0.00	No Trend	0.8731
CHKOH	Spring1	S	SWTEMP	0.00	0.0182	0.114	14.350	15.15	No Trend	0.4073
CHKOH	Spring1	B	BWTEMP	0.00	0.0216	0.107	14.150	14.39	No Trend	0.3261

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
JMSOH	Spring1	S	SCHLA	0.00	0.9029	-0.019	7.378	-5.51	No Trend	0.1231
JMSOH	Spring1	S	STSS	0.00	0.0061	-1.000	34.250	-52.55	Improving	0.9455
JMSOH	Spring1	B	BTSS	0.00	0.0172	-3.228	74.250	-78.25	No Trend	0.7859
JMSOH	Spring1	S	SECCHI	0.00	0.0257	0.005	0.425	23.53	No Trend	0.9018
JMSOH	Spring1	B	BDO	0.00	0.0256	-0.037	8.925	-9.08	No Trend	0.4464
JMSOH	Spring1	S	SSALINITY	0.00	0.0152	0.023	1.875	26.53	No Trend	0.7919
JMSOH	Spring1	B	BSALINITY	0.00	0.0134	0.045	2.338	42.75	No Trend	0.5096
JMSOH	Spring1	S	SWTEMP	0.00	0.0268	0.083	16.125	11.37	No Trend	0.9918
JMSOH	Spring1	B	BWTEMP	0.00	0.0246	0.090	15.950	12.41	No Trend	0.9304
JMSMH	Spring1	S	SCHLA	0.00	0.4964	-0.037	5.505	-14.05	No Trend	0.8616
JMSMH	Spring1	S	STSS	0.00	0.9867	0.000	20.500	0.00	No Trend	0.8566
JMSMH	Spring1	B	BTSS	0.00	0.0760	0.860	29.000	53.40	No Trend	0.7231
JMSMH	Spring1	S	SECCHI	0.00	0.1067	0.005	0.700	15.71	No Trend	0.9996
JMSMH	Spring1	B	BDO	0.00	0.0871	-0.024	8.775	-6.12	No Trend	0.9155
JMSMH	Spring1	S	SSALINITY	0.00	0.2441	0.101	12.903	17.16	No Trend	0.5420
JMSMH	Spring1	B	BSALINITY	0.00	0.2180	0.102	15.790	14.18	No Trend	0.4003
JMSMH	Spring1	S	SWTEMP	0.00	0.0706	0.064	14.825	9.45	No Trend	0.8557
JMSMH	Spring1	B	BWTEMP	0.00	0.0182	0.079	14.300	12.20	No Trend	0.8687
JMSPH	Spring1	S	SCHLA	0.00	0.2613	-0.105	10.880	-21.17	No Trend	0.1154
JMSPH	Spring1	S	STSS	1.00	0.1613	0.136	10.025	29.93	No Trend	0.0289
JMSPH	Spring1	B	BTSS	0.00	0.1664	0.250	15.500	35.41	No Trend	0.0341
JMSPH	Spring1	S	SECCHI	0.00	0.1116	-0.006	1.150	-11.96	No Trend	0.4241
JMSPH	Spring1	B	BDO	0.00	0.0244	0.039	8.675	9.78	No Trend	0.2205
JMSPH	Spring1	S	SSALINITY	0.00	0.7571	-0.021	20.240	-2.27	No Trend	0.5356
JMSPH	Spring1	B	BSALINITY	0.00	0.0016	-0.138	23.935	-12.72	Decreasing	0.0844
JMSPH	Spring1	S	SWTEMP	0.00	0.1472	0.043	14.225	6.65	No Trend	0.6163
JMSPH	Spring1	B	BWTEMP	0.00	0.0023	0.108	11.800	20.04	Increasing	0.9197
WBEMH	Spring1	S	STN	0.00	0.1071	-0.0053	0.8925	-10.61	No Trend	0.5258
WBEMH	Spring1	B	BTN	0.00	0.4741	-0.0040	0.828	-8.66	No Trend	0.6099
WBEMH	Spring1	S	SDIN	10.67	0.8049	0.0003	0.19795	2.81	No Trend	0.7337
WBEMH	Spring1	B	BDIN	5.41	0.3337	-0.0017	0.2459	-12.58	No Trend	0.6982
WBEMH	Spring1	S	STP	0.00	0.0873	-0.0008	0.0785	-18.24	No Trend	0.7915
WBEMH	Spring1	B	BTP	0.00	0.2809	-0.0005	0.0605	-13.69	No Trend	0.3606
WBEMH	Spring1	S	SPO4F	42.86	0.5668	0.0000	0.01	-	High BDLs	0.6812
WBEMH	Spring1	B	BPO4F	47.44	0.5430	0.0000	0.016	-	High BDLs	0.9888
WBEMH	Spring1	S	SCHLA	0.00	0.1507	-0.5519	34.25	-29.00	No Trend	0.3018
WBEMH	Spring1	S	STSS	0.00	0.9826	-0.0008	24.55	-0.06	No Trend	0.1847
WBEMH	Spring1	B	BTSS	0.00	0.3040	0.3100	20.75	26.89	No Trend	0.1591
WBEMH	Spring1	S	SECCHI	0.00	0.3618	0.0000	0.6	0.00	No Trend	0.9210
WBEMH	Spring1	B	BDO	0.00	0.2427	-0.0288	8.05	-6.44	No Trend	0.9465
WBEMH	Spring1	S	SSALINITY	0.00	0.2124	0.1210	13.65	15.96	No Trend	0.8776
WBEMH	Spring1	B	BSALINITY	0.00	0.5402	0.0667	15.25	7.87	No Trend	0.8037
WBEMH	Spring1	B	BWTEMP	0.00	0.0039	0.1500	13.7	19.71	Increasing	0.4297
WBEMH	Spring1	S	SWTEMP	0.00	0.0466	0.1030	15.15	12.24	No Trend	0.8306
SBEMH	Spring1	S	STN	0.00	0.0026	-0.0191	1.4265	-24.12	Improving	0.4898
SBEMH	Spring1	B	BTN	0.00	0.8928	0.0002	0.864	0.33	No Trend	0.7220
SBEMH	Spring1	S	SDIN	0.00	0.0339	-0.0113	0.72565	-27.97	No Trend	0.6873
SBEMH	Spring1	B	BDIN	0.00	0.8783	0.0014	0.374075	6.58	No Trend	0.6234
SBEMH	Spring1	S	STP	0.00	0.0000	-0.0015	0.06225	-42.36	Improving	0.9698
SBEMH	Spring1	B	BTP	0.00	0.0003	-0.0013	0.06775	-34.80	Improving	0.2780
SBEMH	Spring1	S	SPO4F	15.84	0.1251	-0.0003	0.029	-	No Trend	0.8611
SBEMH	Spring1	B	BPO4F	21.57	0.0198	-0.0004	0.032	-	No Trend	0.9996

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
SBEMH	Spring1	S	SCHLA	7.22	0.0623	-0.2173	2.7	-144.88	No Trend	0.4619
SBEMH	Spring1	S	STSS	0.00	0.0304	-0.2158	8.95	-43.41	No Trend	0.4085
SBEMH	Spring1	B	BTSS	0.00	0.0119	-0.4182	12.75	-59.04	No Trend	0.8071
SBEMH	Spring1	S	SECCHI	0.00	0.3788	0.0071	0.725	17.73	No Trend	0.9652
SBEMH	Spring1	B	BDO	0.00	0.2430	0.0339	5.825	10.48	No Trend	0.6444
SBEMH	Spring1	S	SSALINITY	0.00	0.0287	0.2546	10.925	41.95	No Trend	0.9016
SBEMH	Spring1	B	BSALINITY	0.00	0.4569	-0.0880	18.575	-8.53	No Trend	0.6080
SBEMH	Spring1	B	BWTEMP	0.00	0.0000	0.3100	11.925	46.79	Increasing	0.9218
SBEMH	Spring1	S	SWTEMP	0.00	0.0045	0.1750	15.55	20.26	Increasing	0.9167
EBEMH	Spring1	S	STN	0.00	0.1291	-0.0099	1.122	-15.91	No Trend	0.1197
EBEMH	Spring1	B	BTN	0.00	0.0752	-0.0050	0.7615	-11.71	No Trend	0.8342
EBEMH	Spring1	S	SDIN	0.00	0.0841	-0.0084	0.5325	-28.53	No Trend	0.9053
EBEMH	Spring1	B	BDIN	0.00	0.7532	-0.0012	0.3401	-6.44	No Trend	0.6185
EBEMH	Spring1	S	STP	0.00	0.0008	-0.0012	0.0665	-33.38	Improving	0.3380
EBEMH	Spring1	B	BTP	0.00	0.0015	-0.0007	0.0565	-21.07	Improving	0.7534
EBEMH	Spring1	S	SPO4F	31.37	0.8942	0.0000	0.0255	-	No Trend	0.9115
EBEMH	Spring1	B	BPO4F	26.00	0.5606	0.0000	0.0265	-	No Trend	0.8952
EBEMH	Spring1	S	SCHLA	4.00	0.4705	-0.2662	8.7	-55.08	No Trend	0.3031
EBEMH	Spring1	S	STSS	0.00	0.1153	-0.2108	8.4	-45.16	No Trend	0.1215
EBEMH	Spring1	B	BTSS	0.00	0.0243	-0.3800	11.9	-57.48	No Trend	0.2606
EBEMH	Spring1	S	SECCHI	0.00	0.9648	0.0000	1.05	0.00	No Trend	0.6486
EBEMH	Spring1	B	BDO	0.00	0.2246	0.0311	6.7	8.35	No Trend	0.4999
EBEMH	Spring1	S	SSALINITY	0.00	0.0661	0.1375	14.05	17.62	No Trend	0.7712
EBEMH	Spring1	B	BSALINITY	0.00	0.8783	-0.0175	18.25	-1.73	No Trend	0.3677
EBEMH	Spring1	B	BWTEMP	0.00	0.0001	0.1979	12.15	29.31	Increasing	0.4193
EBEMH	Spring1	S	SWTEMP	0.00	0.0087	0.1246	14.7	15.26	Increasing	0.9813
LAFMH	Spring1	S	STN	0.00	1.0000	0.0004	0.646	0.59	No Trend	0.7376
LAFMH	Spring1	B	BTN	0.00	0.7180	-0.0015	0.659	-2.03	No Trend	0.2960
LAFMH	Spring1	S	SDIN	8.70	0.4331	-0.0055	0.1815	-27.39	No Trend	0.8372
LAFMH	Spring1	B	BDIN	8.16	0.3109	-0.0091	0.2305	-35.63	No Trend	0.4883
LAFMH	Spring1	S	STP	0.00	0.1655	-0.0020	0.06075	-30.25	No Trend	0.0974
LAFMH	Spring1	B	BTP	0.00	0.2786	-0.0008	0.05425	-13.99	No Trend	0.2090
LAFMH	Spring1	S	SPO4F	22.92	0.1631	-0.0003	0.0085	-	No Trend	0.8899
LAFMH	Spring1	B	BPO4F	19.61	0.9034	0.0000	0.009	-	No Trend	0.6849
LAFMH	Spring1	S	SCHLA	0.00	0.3173	0.6398	7.155	71.54	No Trend	0.4700
LAFMH	Spring1	S	STSS	0.00	0.6556	-0.2250	22.25	-9.10	No Trend	0.0490
LAFMH	Spring1	B	BTSS	0.00	0.0306	-1.6750	37.5	-40.20	No Trend	0.3844
LAFMH	Spring1	S	SECCHI	0.00	0.9511	0.0000	0.55	0.00	No Trend	0.0341
LAFMH	Spring1	B	BDO	0.00	0.0290	0.1383	7.0925	17.55	No Trend	0.6999
LAFMH	Spring1	S	SSALINITY	0.00	0.4701	0.2000	14.675	12.27	No Trend	0.9575
LAFMH	Spring1	B	BSALINITY	0.00	0.6301	0.2164	14.9	13.07	No Trend	0.9856
LAFMH	Spring1	B	BWTEMP	0.00	0.3355	0.0890	15.335	5.22	No Trend	0.9437
LAFMH	Spring1	S	SWTEMP	0.00	0.5472	0.1031	15.3875	6.03	No Trend	0.7593
ELIPH	Spring1	S	SCHLA	0.56	0.0306	-0.3175	20.0225	-33.30	No Trend	0.3926
ELIPH	Spring1	S	STSS	0.00	0.2554	-0.1896	11.5	-29.68	No Trend	0.9711
ELIPH	Spring1	B	BTSS	0.00	0.1681	-0.3688	22.8	-29.11	No Trend	0.8566
ELIPH	Spring1	S	SECCHI	0.00	0.0248	-0.0083	0.975	-18.80	No Trend	0.6728
ELIPH	Spring1	B	BDO	0.00	0.8809	-0.0022	8.175	-0.59	No Trend	0.4914
ELIPH	Spring1	S	SSALINITY	0.00	0.7393	0.0232	19.25	2.65	No Trend	0.7977
ELIPH	Spring1	B	BSALINITY	0.00	0.0074	-0.1300	21.41	-13.36	Decreasing	0.7398
ELIPH	Spring1	B	BWTEMP	0.00	0.0010	0.1459	13.25	24.23	Increasing	0.7501
ELIPH	Spring1	S	SWTEMP	0.00	0.0030	0.1033	14.2	16.01	Increasing	0.3342

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
PMKTF	Spring1	S	SCHLA	0.00	0.0873	0.000	3.100	0.00	No Trend	0.7703
PMKTF	Spring1	S	STSS	0.00	0.0379	0.481	15.750	58.00	No Trend	0.4741
PMKTF	Spring1	B	BTSS	0.00	0.6271	0.250	20.250	23.46	No Trend	0.8274
PMKTF	Spring1	S	SECCHI	0.00	0.0000	-0.017	0.900	-40.74	Degrading	0.8678
PMKTF	Spring1	B	BDO	0.00	0.0117	0.047	7.825	13.12	No Trend	0.4316
PMKTF	Spring1	S	SSALINITY	0.00	0.1470	0.000	0.010	0.00	No Trend	0.3030
PMKTF	Spring1	B	BSALINITY	0.00	0.1528	0.000	0.010	0.00	No Trend	0.3119
PMKTF	Spring1	S	SWTEMP	0.00	0.0055	-0.126	17.625	-15.67	Decreasing	0.9406
PMKTF	Spring1	B	BWTEMP	0.00	0.0071	-0.100	17.250	-12.75	Decreasing	0.9533
PMKOH	Spring1	S	SCHLA	0.00	0.9422	0.000	4.525	0.00	No Trend	0.5613
PMKOH	Spring1	S	STSS	0.00	0.3259	-0.475	90.000	-11.61	No Trend	0.6988
PMKOH	Spring1	B	BTSS	0.00	0.7026	-1.033	134.500	-13.83	No Trend	0.5458
PMKOH	Spring1	S	SECCHI	0.00	0.1515	0.000	0.250	0.00	No Trend	0.3231
PMKOH	Spring1	B	BDO	0.00	0.0204	0.037	7.900	10.19	No Trend	0.2862
PMKOH	Spring1	S	SSALINITY	0.00	0.2842	0.008	3.165	5.21	No Trend	0.9184
PMKOH	Spring1	B	BSALINITY	0.00	0.6886	0.003	3.855	1.98	No Trend	0.8645
PMKOH	Spring1	S	SWTEMP	0.00	0.0017	-0.103	16.025	-14.12	Decreasing	0.3384
PMKOH	Spring1	B	BWTEMP	0.00	0.0032	-0.102	15.850	-14.15	Decreasing	0.4379
MPNTF	Spring1	S	SCHLA	0.00	0.8471	0.000	3.100	0.00	No Trend	0.3559
MPNTF	Spring1	S	STSS	0.00	0.1900	0.111	9.500	22.22	No Trend	0.9697
MPNTF	Spring1	B	BTSS	0.00	0.4503	0.111	11.125	18.98	No Trend	0.3152
MPNTF	Spring1	S	SECCHI	0.00	0.0003	-0.020	1.075	-40.93	Degrading	0.6551
MPNTF	Spring1	B	BDO	0.00	0.0404	0.032	7.725	9.00	No Trend	0.7423
MPNTF	Spring1	S	SSALINITY	0.00	0.3613	0.000	0.010	0.00	No Trend	-
MPNTF	Spring1	B	BSALINITY	0.00	0.3613	0.000	0.010	0.00	No Trend	-
MPNTF	Spring1	S	SWTEMP	0.00	0.1255	-0.068	17.375	-8.63	No Trend	0.8555
MPNTF	Spring1	B	BWTEMP	0.00	0.0649	-0.086	17.250	-11.00	No Trend	0.9338
MPNOH	Spring1	S	SCHLA	0.00	0.3437	0.000	3.100	0.00	No Trend	0.3639
MPNOH	Spring1	S	STSS	0.00	0.4426	0.441	43.000	22.56	No Trend	0.1537
MPNOH	Spring1	B	BTSS	0.00	0.7960	0.129	44.000	6.46	No Trend	0.2032
MPNOH	Spring1	S	SECCHI	0.00	0.2833	0.000	0.325	0.00	No Trend	0.4218
MPNOH	Spring1	B	BDO	0.00	0.0110	0.036	8.100	9.79	No Trend	0.4918
MPNOH	Spring1	S	SSALINITY	0.00	0.2434	0.000	2.820	0.00	No Trend	0.7162
MPNOH	Spring1	B	BSALINITY	0.00	0.2361	0.000	2.858	0.00	No Trend	0.5590
MPNOH	Spring1	S	SWTEMP	0.00	0.0397	-0.068	16.100	-9.27	No Trend	0.9666
MPNOH	Spring1	B	BWTEMP	0.00	0.0229	-0.077	15.875	-10.62	No Trend	0.9914
YRKMH	Spring1	S	SCHLA	0.00	0.1642	0.169	11.435	31.04	No Trend	0.9344
YRKMH	Spring1	S	STSS	0.00	0.7098	0.083	42.750	3.51	No Trend	0.4098
YRKMH	Spring1	B	BTSS	0.00	0.0694	2.346	66.750	63.27	No Trend	0.6836
YRKMH	Spring1	S	SECCHI	0.00	0.2743	0.000	0.425	0.00	No Trend	0.0467
YRKMH	Spring1	B	BDO	0.00	0.0566	0.042	7.875	11.68	No Trend	0.8056
YRKMH	Spring1	S	SSALINITY	0.00	0.7081	0.033	11.308	6.49	No Trend	0.8966
YRKMH	Spring1	B	BSALINITY	0.00	0.7819	0.014	12.880	2.40	No Trend	0.8021
YRKMH	Spring1	S	SWTEMP	0.00	0.0008	-0.133	15.975	-18.25	Decreasing	0.5517
YRKMH	Spring1	B	BWTEMP	0.00	0.0048	-0.109	15.450	-15.53	Decreasing	0.7979
YRKPH	Spring1	S	SCHLA	0.00	0.8305	0.044	14.060	6.53	No Trend	0.8254
YRKPH	Spring1	S	STSS	1.00	0.1206	0.197	8.500	51.05	No Trend	0.3270
YRKPH	Spring1	B	BTSS	0.00	0.4056	0.333	22.750	26.37	No Trend	0.2983
YRKPH	Spring1	S	SECCHI	0.00	0.0185	-0.015	1.325	-24.91	No Trend	0.3463
YRKPH	Spring1	B	BDO	0.00	0.0589	0.050	8.250	13.33	No Trend	0.4986
YRKPH	Spring1	S	SSALINITY	0.00	0.4536	-0.048	19.390	-5.43	No Trend	0.8690
YRKPH	Spring1	B	BSALINITY	0.00	0.9221	0.000	20.593	-0.04	No Trend	0.6647
YRKPH	Spring1	S	SWTEMP	0.00	0.0007	-0.109	14.350	-16.78	Decreasing	0.8019
YRKPH	Spring1	B	BWTEMP	0.00	0.0032	-0.087	12.675	-15.19	Decreasing	0.8802

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
MOBPH	Spring1	S	STN	0.00	0.0217	-0.0037	0.4513	-17.90	No Trend	0.8557
MOBPH	Spring1	B	BTN	0.00	0.0174	-0.0042	0.4813	-19.40	No Trend	0.9548
MOBPH	Spring1	S	SDIN	0.00	0.0586	-0.0002	0.0400	-9.38	No Trend	0.8149
MOBPH	Spring1	B	BDIN	0.00	0.0625	-0.0001	0.0445	-6.43	No Trend	0.8192
MOBPH	Spring1	S	STP	2.00	0.3285	-0.0001	0.0188	-12.91	No Trend	0.4106
MOBPH	Spring1	B	BTP	0.00	0.6603	-0.0001	0.0225	-5.70	No Trend	0.6551
MOBPH	Spring1	S	SPO4F	24.00	0.0203	0.0000	0.0050	-	No Trend	1.0000
MOBPH	Spring1	B	BPO4F	23.00	0.0203	0.0000	0.0050	-	No Trend	1.0000
MOBPH	Spring1	S	SCHLA	0.00	0.9093	0.009	4.703	4.19	No Trend	0.5817
MOBPH	Spring1	S	STSS	0.00	0.0997	-0.109	9.900	-24.24	No Trend	0.6625
MOBPH	Spring1	B	BTSS	0.00	0.9351	0.009	12.825	1.50	No Trend	0.1338
MOBPH	Spring1	S	SECCHI	0.00	0.0001	-0.028	1.725	-35.43	Degrading	0.4272
MOBPH	Spring1	B	BDO	0.00	0.0009	0.074	8.925	18.18	Improving	0.0749
MOBPH	Spring1	S	SSALINITY	0.00	0.3286	-0.060	19.785	-6.67	No Trend	0.9850
MOBPH	Spring1	B	BSALINITY	0.00	0.3368	-0.059	19.840	-6.53	No Trend	0.9494
MOBPH	Spring1	S	SWTEMP	0.00	0.6252	0.015	15.250	2.22	No Trend	0.4105
MOBPH	Spring1	B	BWTEMP	0.00	0.8323	0.008	13.650	1.30	No Trend	0.6817
RPPTF	Spring1	S	SCHLA	0.00	0.2294	0.052	4.263	25.45	No Trend	0.6328
RPPTF	Spring1	S	STSS	0.00	0.4321	0.196	24.000	15.53	No Trend	0.7886
RPPTF	Spring1	B	BTSS	0.00	0.6713	0.167	34.000	9.31	No Trend	0.6875
RPPTF	Spring1	S	SECCHI	0.00	0.2668	-0.003	0.500	-13.25	No Trend	0.6488
RPPTF	Spring1	B	BDO	0.00	0.1298	0.028	8.650	7.12	No Trend	0.9992
RPPTF	Spring1	S	SSALINITY	0.00	0.0000	0.000	0.010	0.00	Unchanged	0.6846
RPPTF	Spring1	B	BSALINITY	0.00	0.0000	0.000	0.010	0.00	Unchanged	0.6989
RPPTF	Spring1	S	SWTEMP	0.00	0.7142	0.015	14.625	2.27	No Trend	0.9239
RPPTF	Spring1	B	BWTEMP	0.00	0.5162	0.029	14.500	4.32	No Trend	0.9105
RPPOH	Spring1	S	SCHLA	0.00	0.0038	0.240	3.348	150.40	Degrading	0.1007
RPPOH	Spring1	S	STSS	0.00	0.5425	-0.208	48.000	-8.25	No Trend	0.2163
RPPOH	Spring1	B	BTSS	0.00	0.3119	0.556	65.000	16.24	No Trend	0.1885
RPPOH	Spring1	S	SECCHI	0.00	0.7584	0.000	0.300	0.00	No Trend	0.8650
RPPOH	Spring1	B	BDO	0.00	0.0439	0.043	9.650	9.78	No Trend	0.7786
RPPOH	Spring1	S	SSALINITY	0.00	0.4485	0.000	0.755	0.00	No Trend	0.6102
RPPOH	Spring1	B	BSALINITY	0.00	0.5483	0.000	0.850	0.00	No Trend	0.6994
RPPOH	Spring1	S	SWTEMP	0.00	0.2374	-0.054	15.275	-7.76	No Trend	0.7144
RPPOH	Spring1	B	BWTEMP	0.00	0.1391	-0.059	14.900	-8.64	No Trend	0.7604
RPPMH	Spring1	S	SCHLA	1.00	0.4539	0.066	10.505	13.92	No Trend	0.6631
RPPMH	Spring1	S	STSS	0.00	0.5895	0.037	8.250	9.78	No Trend	0.8519
RPPMH	Spring1	B	BTSS	1.00	0.0056	0.500	8.100	135.80	Degrading	0.6919
RPPMH	Spring1	S	SECCHI	0.00	0.0262	-0.014	1.000	-31.43	No Trend	0.0207
RPPMH	Spring1	B	BDO	0.00	0.6134	0.012	9.025	3.05	No Trend	0.7305
RPPMH	Spring1	S	SSALINITY	0.00	0.1299	-0.089	13.810	-14.19	No Trend	0.9059
RPPMH	Spring1	B	BSALINITY	0.00	0.0786	-0.101	15.110	-14.71	No Trend	0.8995
RPPMH	Spring1	S	SWTEMP	0.00	0.0682	-0.051	14.000	-8.07	No Trend	0.8621
RPPMH	Spring1	B	BWTEMP	0.00	0.0199	-0.067	12.750	-11.59	No Trend	0.6162
CRRMH	Spring1	S	SCHLA	0.00	0.1939	0.097	10.645	19.08	No Trend	0.9026
CRRMH	Spring1	S	STSS	1.00	0.1374	0.000	6.750	0.00	No Trend	0.8796
CRRMH	Spring1	B	BTSS	0.00	0.9833	0.000	7.000	0.00	No Trend	0.6058
CRRMH	Spring1	S	SECCHI	0.00	0.0002	-0.033	1.900	-38.60	Degrading	0.4634
CRRMH	Spring1	B	BDO	0.00	0.8547	0.008	9.375	1.78	No Trend	0.7216
CRRMH	Spring1	S	SSALINITY	0.00	0.0681	-0.115	15.070	-16.79	No Trend	0.9885
CRRMH	Spring1	B	BSALINITY	0.00	0.0514	-0.100	15.135	-14.54	No Trend	0.9492
CRRMH	Spring1	S	SWTEMP	0.00	0.1614	-0.045	14.200	-6.93	No Trend	0.9715
CRRMH	Spring1	B	BWTEMP	0.00	0.0047	-0.077	13.975	-12.09	Decreasing	0.8020

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
PIAMH	Spring1	S	STN	0.00	0.1386	-0.0041	0.5210	-17.11	No Trend	0.9104
PIAMH	Spring1	B	BTN	0.00	0.2401	-0.0042	0.5625	-16.50	No Trend	0.4309
PIAMH	Spring1	S	SDIN	6.00	0.1993	-0.0004	0.0500	-17.20	No Trend	0.6518
PIAMH	Spring1	B	BDIN	5.00	0.1471	-0.0018	0.1300	-30.11	No Trend	0.9043
PIAMH	Spring1	S	STP	1.00	0.0014	-0.0003	0.0190	-36.67	Improving	0.8168
PIAMH	Spring1	B	BTP	0.00	0.0500	-0.0002	0.0203	-18.39	No Trend	0.4709
PIAMH	Spring1	S	SPO4F	6.00	0.0079	0.0000	0.0050	0.00	Unchanged	0.8924
PIAMH	Spring1	B	BPO4F	6.00	0.0063	0.0000	0.0050	0.00	Unchanged	0.8594
PIAMH	Spring1	S	SCHLA	2.00	0.6960	-0.087	8.833	-21.70	No Trend	0.9403
PIAMH	Spring1	S	STSS	3.00	0.0983	-0.089	5.750	-34.14	No Trend	0.3393
PIAMH	Spring1	B	BTSS	0.00	0.4039	-0.061	9.625	-14.04	No Trend	0.9577
PIAMH	Spring1	S	SECCHI	0.00	0.0002	-0.037	2.000	-40.63	Degrading	0.4907
PIAMH	Spring1	B	BDO	0.00	0.0011	0.083	9.575	19.15	Improving	0.2953
PIAMH	Spring1	S	SSALINITY	0.00	0.0986	-0.108	15.673	-15.09	No Trend	0.7543
PIAMH	Spring1	B	BSALINITY	0.00	0.0464	-0.112	15.770	-15.66	No Trend	0.8071
PIAMH	Spring1	S	SWTEMP	0.00	0.4638	-0.028	14.575	-4.23	No Trend	0.2348
PIAMH	Spring1	B	BWTEMP	0.00	0.3067	-0.030	13.625	-4.89	No Trend	0.1840
POCMH	Spring1	S	STN	0.00	0.9093	-0.0004	0.5778	-1.41	No Trend	0.6798
POCMH	Spring1	B	BTN	0.00	0.4839	0.0022	0.5933	8.16	No Trend	0.8966
POCMH	Spring1	S	SDIN	0.00	0.0206	-0.0020	0.0680	-63.49	No Trend	0.8877
POCMH	Spring1	B	BDIN	0.00	0.0152	-0.0014	0.0650	-48.28	No Trend	0.9500
POCMH	Spring1	S	STP	0.00	0.7571	0.0001	0.0263	4.89	No Trend	0.9023
POCMH	Spring1	B	BTP	0.00	0.4538	0.0002	0.0255	13.80	No Trend	0.7800
POCMH	Spring1	S	SPO4F	5.00	0.4353	0.0000	0.0050	0.00	No Trend	0.2650
POCMH	Spring1	B	BPO4F	6.00	0.2265	0.0000	0.0050	0.00	No Trend	1.0000
POCMH	Spring1	S	SCHLA	0.00	0.1873	0.120	7.973	33.22	No Trend	0.9148
POCMH	Spring1	S	STSS	0.00	0.7324	-0.051	15.000	-7.54	No Trend	0.9414
POCMH	Spring1	B	BTSS	0.00	0.6023	0.062	15.575	8.74	No Trend	0.2981
POCMH	Spring1	S	SECCHI	0.00	0.0001	-0.030	1.525	-43.28	Degrading	0.7287
POCMH	Spring1	B	BDO	0.00	0.7319	-0.003	9.175	-0.75	No Trend	0.8893
POCMH	Spring1	S	SSALINITY	0.00	0.0612	-0.080	17.108	-10.29	No Trend	0.9255
POCMH	Spring1	B	BSALINITY	0.00	0.2282	-0.064	17.438	-8.04	No Trend	0.9577
POCMH	Spring1	S	SWTEMP	0.00	0.9481	0.001	14.575	0.13	No Trend	0.7726
POCMH	Spring1	B	BWTEMP	0.00	0.9740	0.000	14.125	0.00	No Trend	0.6448
CB5MH	Spring1	S	STN	0.00	0.4839	-0.0034	0.7112	-10.42	No Trend	0.7527
CB5MH	Spring1	B	BTN	0.00	0.4941	-0.0041	0.6873	-13.15	No Trend	0.8896
CB5MH	Spring1	S	SDIN	0.00	0.6252	-0.0019	0.2509	-16.40	No Trend	0.6586
CB5MH	Spring1	B	BDIN	0.00	0.4156	-0.0017	0.1898	-19.62	No Trend	0.5411
CB5MH	Spring1	S	STP	3.00	0.0096	0.0002	0.0164	23.61	Degrading	0.3142
CB5MH	Spring1	B	BTP	0.00	0.0153	0.0003	0.0256	25.78	No Trend	0.2457
CB5MH	Spring1	S	SPO4F	26.00	-	0.0000	0.0050	-	-	-
CB5MH	Spring1	B	BPO4F	17.00	-	0.000	0.005	-	-	-
CB5MH	Spring1	S	SCHLA	0.00	0.4250	0.096	9.250	22.83	No Trend	0.3553
CB5MH	Spring1	S	STSS	9.00	0.8834	-0.002	5.100	-0.76	No Trend	0.8725
CB5MH	Spring1	B	BTSS	2.00	0.2613	0.115	8.375	30.14	No Trend	0.1154
CB5MH	Spring1	S	SECCHI	0.00	0.0000	-0.033	2.175	-33.72	Degrading	0.7625
CB5MH	Spring1	B	BDO	0.00	0.8449	0.004	7.775	1.18	No Trend	0.6912
CB5MH	Spring1	S	SSALINITY	0.00	0.0904	-0.104	14.033	-16.27	No Trend	0.8351
CB5MH	Spring1	B	BSALINITY	0.00	0.2544	-0.061	19.958	-6.71	No Trend	0.3427
CB5MH	Spring1	S	SWTEMP	0.00	0.4735	-0.020	13.575	-3.24	No Trend	0.8622
CB5MH	Spring1	B	BWTEMP	0.00	0.9350	0.000	9.700	0.00	No Trend	0.9613

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
CB6PH	Spring1	S	STN	0.00	0.0507	-0.0047	0.5506	-18.69	No Trend	0.7088
CB6PH	Spring1	B	BTN	0.00	0.0257	-0.0050	0.5531	-19.89	No Trend	0.4411
CB6PH	Spring1	S	SDIN	1.00	0.4052	-0.0008	0.1261	-13.96	No Trend	0.8898
CB6PH	Spring1	B	BDIN	1.00	0.6250	-0.0003	0.0801	-7.86	No Trend	0.9595
CB6PH	Spring1	S	STP	1.00	0.0266	-0.0001	0.0193	-14.29	No Trend	0.6147
CB6PH	Spring1	B	BTP	0.00	0.4063	-0.0001	0.0270	-5.60	No Trend	0.2829
CB6PH	Spring1	S	SPO4F	30.00	0.0581	0.0000	0.0050	-	No Trend	1.0000
CB6PH	Spring1	B	BPO4F	20.00	0.0581	0.0000	0.0050	-	No Trend	1.0000
CB6PH	Spring1	S	SCHLA	5.00	0.9093	0.005	8.328	1.35	No Trend	0.3897
CB6PH	Spring1	S	STSS	10.00	0.8835	0.005	6.000	1.74	No Trend	0.3822
CB6PH	Spring1	B	BTSS	1.00	0.2041	0.117	13.325	19.23	No Trend	0.0581
CB6PH	Spring1	S	SECCHI	0.00	0.0029	-0.032	2.250	-31.43	Degrading	0.4355
CB6PH	Spring1	B	BDO	0.00	0.0075	0.038	8.975	9.19	Improving	0.0885
CB6PH	Spring1	S	SSALINITY	0.00	0.1143	-0.083	17.085	-10.66	No Trend	0.9023
CB6PH	Spring1	B	BSALINITY	0.00	0.1567	-0.068	22.895	-6.52	No Trend	0.9148
CB6PH	Spring1	S	SWTEMP	0.00	0.7323	-0.011	13.050	-1.87	No Trend	0.4610
CB6PH	Spring1	B	BWTEMP	0.00	0.5576	-0.021	11.450	-3.94	No Trend	0.2854
CB7PH	Spring1	S	STN	0.00	0.2159	-0.0037	0.4971	-16.50	No Trend	0.9159
CB7PH	Spring1	B	BTN	0.00	0.0489	-0.0038	0.4690	-17.59	No Trend	0.8098
CB7PH	Spring1	S	SDIN	3.00	0.4115	-0.0002	0.0873	-4.20	No Trend	0.9277
CB7PH	Spring1	B	BDIN	1.00	0.8056	0.0000	0.0443	0.00	No Trend	0.9196
CB7PH	Spring1	S	STP	1.00	0.0151	-0.0002	0.0205	-17.44	No Trend	0.4032
CB7PH	Spring1	B	BTP	0.00	0.1383	-0.0002	0.0320	-12.22	No Trend	0.8791
CB7PH	Spring1	S	SPO4F	40.00	0.0581	0.0000	0.0050	-	High BDLs	1.0000
CB7PH	Spring1	B	BPO4F	39.00	0.0581	0.0000	0.0050	-	High BDLs	1.0000
CB7PH	Spring1	S	SCHLA	10.00	0.8070	0.008	5.135	3.41	No Trend	0.3835
CB7PH	Spring1	S	STSS	10.00	0.4736	-0.032	6.250	-11.22	No Trend	0.7134
CB7PH	Spring1	B	BTSS	3.00	0.6138	0.044	12.275	7.93	No Trend	0.1417
CB7PH	Spring1	S	SECCHI	0.00	0.0037	-0.033	2.425	-30.24	Degrading	0.1156
CB7PH	Spring1	B	BDO	0.00	0.0289	0.035	8.800	8.77	No Trend	0.1787
CB7PH	Spring1	S	SSALINITY	0.00	0.1385	-0.087	19.408	-9.86	No Trend	0.5459
CB7PH	Spring1	B	BSALINITY	0.00	0.2613	-0.042	24.113	-3.86	No Trend	0.7928
CB7PH	Spring1	S	SWTEMP	0.00	0.9092	0.001	13.000	0.13	No Trend	0.5436
CB7PH	Spring1	B	BWTEMP	0.00	0.6839	-0.010	12.250	-1.80	No Trend	0.2903
CB8PH	Spring1	S	STN	0.00	0.1166	-0.0033	0.4278	-17.21	No Trend	0.4152
CB8PH	Spring1	B	BTN	0.00	0.2140	-0.0023	0.4339	-11.45	No Trend	0.3435
CB8PH	Spring1	S	SDIN	3.00	0.3957	0.0000	0.0240	0.00	No Trend	0.9461
CB8PH	Spring1	B	BDIN	1.00	0.1622	0.0000	0.0260	0.77	No Trend	0.9524
CB8PH	Spring1	S	STP	0.00	0.0000	-0.0006	0.0385	-34.92	Improving	0.6006
CB8PH	Spring1	B	BTP	0.00	0.0044	-0.0005	0.0505	-23.78	Improving	0.9637
CB8PH	Spring1	S	SPO4F	8.00	0.0194	0.0000	0.0050	0.00	No Trend	0.9980
CB8PH	Spring1	B	BPO4F	0.00	0.0003	0.0000	0.0085	0.00	Unchanged	0.9741
CB8PH	Spring1	S	SCHLA	7.00	0.9322	-0.015	5.023	-6.50	No Trend	0.4531
CB8PH	Spring1	S	STSS	12.00	0.2539	0.075	5.650	29.20	No Trend	0.8264
CB8PH	Spring1	B	BTSS	4.00	0.3760	0.121	8.800	30.21	No Trend	0.1099
CB8PH	Spring1	S	SECCHI	0.00	0.0020	-0.033	2.200	-33.33	Degrading	0.6556
CB8PH	Spring1	B	BDO	0.00	0.0019	0.044	9.075	10.61	Improving	0.0668
CB8PH	Spring1	S	SSALINITY	0.00	0.3668	-0.045	23.230	-4.26	No Trend	0.6345
CB8PH	Spring1	B	BSALINITY	0.00	0.0306	-0.059	29.425	-4.41	No Trend	0.2713
CB8PH	Spring1	S	SWTEMP	0.00	0.6457	-0.020	12.825	-3.43	No Trend	0.0380
CB8PH	Spring1	B	BWTEMP	0.00	0.3946	-0.025	10.375	-5.30	No Trend	0.0361

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
APPTF	Spring2	S	SCHLA	0.00	0.1376	-0.457	35.860	-28.06	No Trend	0.6359
APPTF	Spring2	S	STSS	0.00	0.2999	-0.167	23.750	-13.33	No Trend	0.1116
APPTF	Spring2	B	BTSS	0.00	0.4068	0.278	27.500	19.19	No Trend	0.4587
APPTF	Spring2	S	SECCHI	0.00	0.7191	0.000	0.500	0.00	No Trend	0.6496
APPTF	Spring2	B	BDO	0.00	0.1113	-0.033	8.800	-8.17	No Trend	0.5242
APPTF	Spring2	S	SSALINITY	0.00	0.2207	0.000	0.010	0.00	No Trend	0.8373
APPTF	Spring2	B	BSALINITY	0.00	0.1992	0.000	0.010	0.00	No Trend	0.8904
APPTF	Spring2	S	SWTEMP	0.00	0.0076	0.130	22.450	12.78	Increasing	0.4135
APPTF	Spring2	B	BWTEMP	0.00	0.0178	0.121	22.250	12.01	No Trend	0.3108
JMSTF1	Spring2	S	SCHLA	0.00	0.0379	-0.557	21.270	-57.61	No Trend	0.6672
JMSTF1	Spring2	S	STSS	0.00	0.3386	0.179	25.000	13.57	No Trend	0.5586
JMSTF1	Spring2	B	BTSS	0.00	0.6774	-0.500	40.500	-23.46	No Trend	0.9380
JMSTF1	Spring2	S	SECCHI	0.00	0.0098	-0.007	0.625	-24.30	Degrading	0.5212
JMSTF1	Spring2	B	BDO	0.00	0.8615	0.004	7.575	1.20	No Trend	0.5023
JMSTF1	Spring2	S	SSALINITY	0.00	0.0863	0.000	0.010	0.00	No Trend	0.9099
JMSTF1	Spring2	B	BSALINITY	0.00	0.0539	0.000	0.010	0.00	No Trend	0.9643
JMSTF1	Spring2	S	SWTEMP	0.00	0.0216	0.100	22.250	9.89	No Trend	0.3533
JMSTF1	Spring2	B	BWTEMP	0.00	0.0319	0.111	22.000	11.12	No Trend	0.7360
JMSTF2	Spring2	S	SCHLA	2.00	0.8621	0.000	6.580	0.00	No Trend	0.9660
JMSTF2	Spring2	S	STSS	0.00	0.3382	0.167	9.500	33.33	No Trend	0.9791
JMSTF2	Spring2	B	BTSS	0.00	0.0697	0.433	20.500	40.14	No Trend	0.7927
JMSTF2	Spring2	S	SECCHI	0.00	0.0542	-0.017	0.975	-37.61	No Trend	0.7203
JMSTF2	Spring2	B	BDO	0.00	0.8163	-0.007	7.250	-2.06	No Trend	0.2055
JMSTF2	Spring2	S	SSALINITY	0.00	0.1681	0.000	0.010	0.00	No Trend	0.8014
JMSTF2	Spring2	B	BSALINITY	0.00	0.0944	0.000	0.010	0.00	No Trend	0.9828
JMSTF2	Spring2	S	SWTEMP	0.00	0.3778	0.049	22.375	4.78	No Trend	0.5311
JMSTF2	Spring2	B	BWTEMP	0.00	0.0981	0.100	21.750	10.11	No Trend	0.2108
CHKOH	Spring2	S	SCHLA	0.00	0.0748	-0.332	17.378	-36.34	No Trend	0.3456
CHKOH	Spring2	S	STSS	0.00	0.9668	0.000	19.500	0.00	No Trend	0.6911
CHKOH	Spring2	B	BTSS	0.00	0.2546	0.736	30.250	46.24	No Trend	0.8847
CHKOH	Spring2	S	SECCHI	0.00	0.0287	-0.007	0.550	-23.03	No Trend	0.4093
CHKOH	Spring2	B	BDO	0.00	0.4435	-0.025	7.725	-6.15	No Trend	0.7717
CHKOH	Spring2	S	SSALINITY	0.00	0.0041	0.000	0.010	0.00	Unchanged	0.7634
CHKOH	Spring2	B	BSALINITY	0.00	0.0035	0.000	0.010	0.00	Unchanged	0.7432
CHKOH	Spring2	S	SWTEMP	0.00	0.0040	0.141	19.125	14.01	Increasing	0.7509
CHKOH	Spring2	B	BWTEMP	0.00	0.0035	0.140	18.975	14.02	Increasing	0.7168
JMSOH	Spring2	S	SCHLA	0.00	0.6458	-0.035	7.583	-10.15	No Trend	0.3249
JMSOH	Spring2	S	STSS	0.00	0.0232	-0.857	48.750	-33.41	No Trend	0.8140
JMSOH	Spring2	B	BTSS	0.00	0.1499	-1.301	62.500	-39.56	No Trend	0.2531
JMSOH	Spring2	S	SECCHI	0.00	0.2106	0.000	0.500	0.00	No Trend	0.6197
JMSOH	Spring2	B	BDO	0.00	0.0373	-0.031	8.050	-8.37	No Trend	0.3862
JMSOH	Spring2	S	SSALINITY	0.00	0.0528	0.025	2.718	20.24	No Trend	0.8776
JMSOH	Spring2	B	BSALINITY	0.00	0.0860	0.050	3.123	35.03	No Trend	0.8277
JMSOH	Spring2	S	SWTEMP	0.00	0.0226	0.088	21.250	9.13	No Trend	0.9950
JMSOH	Spring2	B	BWTEMP	0.00	0.0199	0.090	21.025	9.42	No Trend	0.9616
JMSMH	Spring2	S	STSS	0.00	0.4333	-0.106	22.500	-10.38	No Trend	0.6072
JMSMH	Spring2	B	BTSS	0.00	0.0129	1.274	28.500	84.92	No Trend	0.9839
JMSMH	Spring2	S	SECCHI	0.00	0.3042	0.003	0.650	9.95	No Trend	0.6705
JMSMH	Spring2	B	BDO	0.00	0.0316	-0.023	7.550	-6.59	No Trend	0.5667
JMSMH	Spring2	S	SSALINITY	0.00	0.5272	0.048	14.185	7.48	No Trend	0.5587
JMSMH	Spring2	B	BSALINITY	0.00	0.6412	0.040	17.563	4.97	No Trend	0.7519
JMSMH	Spring2	S	SWTEMP	0.00	0.0469	0.069	20.450	7.40	No Trend	0.8733
JMSMH	Spring2	B	BWTEMP	0.00	0.0160	0.081	19.975	8.88	No Trend	0.8903

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
JMSPH	Spring2	S	SCHLA	1.00	0.3706	0.053	9.003	12.95	No Trend	0.4023
JMSPH	Spring2	S	STSS	1.00	0.0547	0.189	9.650	43.13	No Trend	0.0822
JMSPH	Spring2	B	BTSS	0.00	0.2682	0.206	19.275	23.50	No Trend	0.0243
JMSPH	Spring2	S	SECCHI	0.00	0.0159	-0.010	1.200	-18.33	No Trend	0.4530
JMSPH	Spring2	B	BDO	0.00	0.0010	0.040	7.650	11.50	Improving	0.9492
JMSPH	Spring2	S	SSALINITY	0.00	0.3450	-0.056	21.275	-5.75	No Trend	0.3729
JMSPH	Spring2	B	BSALINITY	0.00	0.0000	-0.195	24.425	-17.53	Decreasing	0.6566
JMSPH	Spring2	S	SWTEMP	0.00	0.1340	0.037	19.250	4.29	No Trend	0.5742
JMSPH	Spring2	B	BWTEMP	0.00	0.0013	0.113	18.450	13.41	Increasing	0.8699
WBEMH	Spring2	S	STN	0.00	0.5495	-0.0023	0.766	-5.42	No Trend	0.8640
WBEMH	Spring2	B	BTN	0.00	0.2740	-0.0047	0.828	-10.20	No Trend	0.7155
WBEMH	Spring2	S	SDIN	16.44	0.5884	0.0006	0.20235	-	No Trend	0.9097
WBEMH	Spring2	B	BDIN	6.85	1.0000	0.0000	0.27415	0.24	No Trend	0.5402
WBEMH	Spring2	S	STP	0.00	0.1507	-0.0008	0.0795	-18.57	No Trend	0.5992
WBEMH	Spring2	B	BTP	0.00	0.2518	-0.0007	0.0825	-14.21	No Trend	0.3885
WBEMH	Spring2	S	SPO4F	29.87	0.6411	0.0000	0.026	-	No Trend	0.6943
WBEMH	Spring2	B	BPO4F	35.90	0.7370	0.0000	0.0245	-	High BDLs	0.9028
WBEMH	Spring2	S	SCHLA	0.00	0.6213	-0.1818	16.15	-20.26	No Trend	0.6974
WBEMH	Spring2	S	STSS	0.00	0.4184	0.4076	23.45	31.29	No Trend	0.6834
WBEMH	Spring2	B	BTSS	0.00	0.2464	0.3708	29.9	22.32	No Trend	0.1685
WBEMH	Spring2	S	SECCHI	0.00	0.5774	0.0000	0.6	0.00	No Trend	0.8788
WBEMH	Spring2	B	BDO	0.00	0.1750	-0.0350	6.7	-9.40	No Trend	0.8659
WBEMH	Spring2	S	SSALINITY	0.00	0.7594	0.0204	15.8	2.32	No Trend	0.4934
WBEMH	Spring2	B	BSALINITY	0.00	0.8439	-0.0083	16.1	-0.93	No Trend	0.8624
WBEMH	Spring2	B	BWTEMP	0.00	0.0012	0.1400	19.05	13.23	Increasing	0.6023
WBEMH	Spring2	S	SWTEMP	0.00	0.0098	0.1129	19.05	10.66	Increasing	0.8411
SBEMH	Spring2	S	STN	0.00	0.0966	-0.0109	1.4265	-13.69	No Trend	0.7757
SBEMH	Spring2	B	BTN	0.00	0.7876	-0.0011	0.9335	-2.17	No Trend	0.5361
SBEMH	Spring2	S	SDIN	0.00	0.2291	-0.0082	0.72565	-20.31	No Trend	0.7155
SBEMH	Spring2	B	BDIN	0.00	0.8783	0.0008	0.427875	3.17	No Trend	0.6234
SBEMH	Spring2	S	STP	0.00	0.0002	-0.0013	0.06525	-34.86	Improving	0.3164
SBEMH	Spring2	B	BTP	0.00	0.0000	-0.0018	0.0785	-41.27	Improving	0.5854
SBEMH	Spring2	S	SPO4F	8.91	0.2837	-0.0004	0.03825	-18.82	No Trend	0.9938
SBEMH	Spring2	B	BPO4F	7.84	0.0203	-0.0006	0.04075	-28.71	No Trend	0.9994
SBEMH	Spring2	S	SCHLA	5.94	0.0257	-0.2500	3.725	-120.81	No Trend	0.3097
SBEMH	Spring2	S	STSS	0.00	0.0695	-0.1764	8.575	-37.03	No Trend	0.3008
SBEMH	Spring2	B	BTSS	0.00	0.0005	-0.6750	16.075	-75.58	Improving	0.7420
SBEMH	Spring2	S	SECCHI	0.00	0.4407	0.0071	0.75	17.14	No Trend	0.9377
SBEMH	Spring2	B	BDO	0.00	0.2206	0.0373	5.2	12.89	No Trend	0.7064
SBEMH	Spring2	S	SSALINITY	0.00	0.0542	0.1690	13.975	21.77	No Trend	0.7947
SBEMH	Spring2	B	BSALINITY	0.00	0.2740	-0.0950	20.1	-8.51	No Trend	0.5676
SBEMH	Spring2	B	BWTEMP	0.00	0.0000	0.3286	18.225	32.45	Increasing	0.9561
SBEMH	Spring2	S	SWTEMP	0.00	0.0009	0.1877	20.775	16.26	Increasing	0.8885
EBEMH	Spring2	S	STN	0.00	0.8358	-0.0016	0.9015	-3.12	No Trend	0.3328
EBEMH	Spring2	B	BTN	0.00	0.0156	-0.0058	0.7635	-13.67	No Trend	0.8290
EBEMH	Spring2	S	SDIN	0.00	0.1205	-0.0070	0.56165	-22.32	No Trend	0.9053
EBEMH	Spring2	B	BDIN	0.00	0.7876	-0.0016	0.3401	-8.35	No Trend	0.6466
EBEMH	Spring2	S	STP	0.00	0.3143	-0.0005	0.062	-13.69	No Trend	0.1415
EBEMH	Spring2	B	BTP	0.00	0.0582	-0.0006	0.069	-16.41	No Trend	0.1271
EBEMH	Spring2	S	SPO4F	15.69	0.9475	0.0000	0.041	-	No Trend	0.9075
EBEMH	Spring2	B	BPO4F	7.84	0.4310	-0.0003	0.0405	-14.07	No Trend	0.9815

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
EBEMH	Spring2	S	SCHLA	4.00	0.4978	0.1447	5.8	44.91	No Trend	0.8071
EBEMH	Spring2	S	STSS	0.00	0.4568	-0.0813	8.4	-17.41	No Trend	0.6021
EBEMH	Spring2	B	BTSS	0.00	0.1153	-0.4357	16.65	-47.10	No Trend	0.3454
EBEMH	Spring2	S	SECCHI	0.00	0.7723	0.0000	0.85	0.00	No Trend	0.5755
EBEMH	Spring2	B	BDO	0.00	0.4566	0.0215	5.85	6.60	No Trend	0.2398
EBEMH	Spring2	S	SSALINITY	0.00	0.4976	0.0418	16.3	4.61	No Trend	0.4641
EBEMH	Spring2	B	BSALINITY	0.00	0.4978	-0.0568	19.55	-5.23	No Trend	0.6234
EBEMH	Spring2	B	BWTEMP	0.00	0.0000	0.2215	18.2	21.91	Increasing	0.6202
EBEMH	Spring2	S	SWTEMP	0.00	0.0036	0.1373	19.15	12.90	Increasing	0.9220
LAFMH	Spring2	S	STN	0.00	0.6124	0.0071	0.62425	10.21	No Trend	0.4183
LAFMH	Spring2	B	BTN	0.00	0.8992	-0.0005	0.62175	-0.77	No Trend	0.2155
LAFMH	Spring2	S	SDIN	8.51	0.5071	0.0013	0.12625	9.36	No Trend	0.2697
LAFMH	Spring2	B	BDIN	8.00	0.7180	0.0041	0.0915	40.25	No Trend	0.4987
LAFMH	Spring2	S	STP	0.00	0.2886	-0.0015	0.0595	-22.31	No Trend	0.0694
LAFMH	Spring2	B	BTP	0.00	0.5514	-0.0005	0.0615	-8.05	No Trend	0.1421
LAFMH	Spring2	S	SPO4F	14.29	0.7626	0.0001	0.0075	15.00	No Trend	0.1049
LAFMH	Spring2	B	BPO4F	15.69	0.2519	0.0004	0.00825	-	No Trend	0.3740
LAFMH	Spring2	S	SCHLA	0.00	0.4751	-0.5783	13.065	-35.41	No Trend	0.3679
LAFMH	Spring2	S	STSS	0.00	0.7170	0.3542	24.5	13.01	No Trend	0.0190
LAFMH	Spring2	B	BTSS	0.00	0.0699	-1.7500	40	-39.38	No Trend	0.2322
LAFMH	Spring2	S	SECCHI	0.00	0.3853	-0.0036	0.525	-6.12	No Trend	0.0286
LAFMH	Spring2	B	BDO	0.00	0.5514	0.0650	6.63	8.82	No Trend	0.2100
LAFMH	Spring2	S	SSALINITY	0.00	0.6301	0.0646	16.4	3.55	No Trend	0.9035
LAFMH	Spring2	B	BSALINITY	0.00	0.7180	0.1454	16.625	7.87	No Trend	1.0000
LAFMH	Spring2	B	BWTEMP	0.00	0.5472	0.1376	18.455	6.71	No Trend	0.7593
LAFMH	Spring2	S	SWTEMP	0.00	0.4701	0.1300	18.5475	6.31	No Trend	0.8404
ELIPH	Spring2	S	SCHLA	0.56	0.3234	-0.0963	10.4825	-20.22	No Trend	0.7419
ELIPH	Spring2	S	STSS	0.00	0.1801	-0.2214	13.6	-30.93	No Trend	0.9393
ELIPH	Spring2	B	BTSS	0.00	0.1732	-0.3333	26.3	-24.08	No Trend	0.8644
ELIPH	Spring2	S	SECCHI	0.00	0.0372	-0.0083	1.025	-17.89	No Trend	0.5375
ELIPH	Spring2	B	BDO	0.00	0.9337	-0.0014	6.65	-0.47	No Trend	0.5459
ELIPH	Spring2	S	SSALINITY	0.00	0.8417	-0.0232	20.4125	-2.51	No Trend	0.6169
ELIPH	Spring2	B	BSALINITY	0.00	0.0049	-0.1300	22.8475	-12.52	Decreasing	0.7731
ELIPH	Spring2	B	BWTEMP	0.00	0.0038	0.1328	18.725	15.61	Increasing	0.9071
ELIPH	Spring2	S	SWTEMP	0.00	0.0034	0.0979	20.2	10.67	Increasing	0.3356
PMKTF	Spring2	S	SCHLA	0.00	0.9602	0.000	3.100	0.00	No Trend	0.1276
PMKTF	Spring2	S	STSS	0.00	0.0585	0.375	12.500	57.00	No Trend	0.4114
PMKTF	Spring2	B	BTSS	0.00	0.8958	-0.023	17.250	-2.50	No Trend	0.4263
PMKTF	Spring2	S	SECCHI	0.00	0.0031	-0.011	0.775	-31.54	Degrading	0.0949
PMKTF	Spring2	B	BDO	0.00	0.0009	0.050	6.575	16.73	Improving	0.5833
PMKTF	Spring2	S	SSALINITY	0.00	0.0401	0.000	0.010	0.00	No Trend	0.7808
PMKTF	Spring2	B	BSALINITY	0.00	0.0401	0.000	0.010	0.00	No Trend	0.7808
PMKTF	Spring2	S	SWTEMP	0.00	0.0138	-0.121	22.125	-12.03	No Trend	0.7503
PMKTF	Spring2	B	BWTEMP	0.00	0.0090	-0.100	21.875	-10.06	Decreasing	0.9222
PMKOH	Spring2	S	SCHLA	0.00	0.3041	0.033	5.398	13.59	No Trend	0.5306
PMKOH	Spring2	S	STSS	0.00	0.1764	-0.781	81.500	-21.09	No Trend	0.4854
PMKOH	Spring2	B	BTSS	0.00	0.4059	-1.875	134.500	-25.09	No Trend	0.4644
PMKOH	Spring2	S	SECCHI	0.00	0.1271	0.000	0.300	0.00	No Trend	0.3048
PMKOH	Spring2	B	BDO	0.00	0.0354	0.031	6.175	11.04	No Trend	0.2159
PMKOH	Spring2	S	SSALINITY	0.00	0.2668	0.010	4.375	5.24	No Trend	0.9447
PMKOH	Spring2	B	BSALINITY	0.00	0.6249	0.009	4.860	4.22	No Trend	0.8601
PMKOH	Spring2	S	SWTEMP	0.00	0.0008	-0.114	20.750	-12.12	Decreasing	0.3883
PMKOH	Spring2	B	BWTEMP	0.00	0.0014	-0.108	20.775	-11.40	Decreasing	0.4954

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
MPNTF	Spring2	S	SCHLA	0.00	0.5884	0.000	3.400	0.00	No Trend	0.5878
MPNTF	Spring2	S	STSS	0.00	0.1310	0.133	7.250	34.94	No Trend	0.8955
MPNTF	Spring2	B	BTSS	0.00	0.5076	0.048	12.500	7.36	No Trend	0.3316
MPNTF	Spring2	S	SECCHI	0.00	0.0002	-0.021	1.075	-43.85	Degrading	0.4804
MPNTF	Spring2	B	BDO	0.00	0.0187	0.030	6.825	9.67	No Trend	0.9356
MPNTF	Spring2	S	SSALINITY	0.00	0.5439	0.000	0.010	0.00	No Trend	-
MPNTF	Spring2	B	BSALINITY	0.00	0.5089	0.000	0.010	0.00	No Trend	-
MPNTF	Spring2	S	SWTEMP	0.00	0.2612	-0.046	22.125	-4.57	No Trend	0.9007
MPNTF	Spring2	B	BWTEMP	0.00	0.1299	-0.075	22.375	-7.37	No Trend	0.9532
MPNOH	Spring2	S	SCHLA	0.00	0.2845	0.000	3.625	0.00	No Trend	0.3429
MPNOH	Spring2	S	STSS	0.00	0.0398	0.714	28.500	55.14	No Trend	0.2618
MPNOH	Spring2	B	BTSS	0.00	0.1319	1.167	44.000	58.33	No Trend	0.1668
MPNOH	Spring2	S	SECCHI	0.00	0.5984	0.000	0.425	0.00	No Trend	0.4649
MPNOH	Spring2	B	BDO	0.00	0.0028	0.039	5.900	14.50	Improving	0.8511
MPNOH	Spring2	S	SSALINITY	0.00	0.1050	0.054	3.250	36.83	No Trend	0.5008
MPNOH	Spring2	B	BSALINITY	0.00	0.0881	0.071	4.230	37.02	No Trend	0.4833
MPNOH	Spring2	S	SWTEMP	0.00	0.0284	-0.079	20.825	-8.32	No Trend	0.9374
MPNOH	Spring2	B	BWTEMP	0.00	0.0184	-0.092	20.600	-9.79	No Trend	0.9868
YRKMH	Spring2	S	SCHLA	0.00	0.2582	0.128	9.118	30.82	No Trend	0.8131
YRKMH	Spring2	S	STSS	0.00	0.5398	-0.318	43.000	-13.32	No Trend	0.3449
YRKMH	Spring2	B	BTSS	0.00	0.1427	1.800	73.000	44.38	No Trend	0.7157
YRKMH	Spring2	S	SECCHI	0.00	0.1417	0.000	0.425	0.00	No Trend	0.0445
YRKMH	Spring2	B	BDO	0.00	0.0327	0.033	5.950	12.32	No Trend	0.8457
YRKMH	Spring2	S	SSALINITY	0.00	0.7820	0.028	12.058	5.17	No Trend	0.8521
YRKMH	Spring2	B	BSALINITY	0.00	0.6602	-0.026	13.630	-4.24	No Trend	0.7654
YRKMH	Spring2	S	SWTEMP	0.00	0.0003	-0.135	20.475	-14.51	Decreasing	0.6882
YRKMH	Spring2	B	BWTEMP	0.00	0.0036	-0.117	20.275	-12.66	Decreasing	0.8197
YRKPH	Spring2	S	SCHLA	0.00	0.0556	0.154	8.953	37.72	No Trend	0.2418
YRKPH	Spring2	S	STSS	1.00	0.0153	0.300	6.000	110.00	No Trend	0.9562
YRKPH	Spring2	B	BTSS	0.00	0.6459	0.250	31.750	14.17	No Trend	0.4822
YRKPH	Spring2	S	SECCHI	0.00	0.0240	-0.013	1.325	-22.24	No Trend	0.2507
YRKPH	Spring2	B	BDO	0.00	0.0758	0.040	6.875	12.70	No Trend	0.4267
YRKPH	Spring2	S	SSALINITY	0.00	0.4342	-0.050	20.248	-5.38	No Trend	0.8575
YRKPH	Spring2	B	BSALINITY	0.00	0.3969	-0.033	20.900	-3.51	No Trend	0.8180
YRKPH	Spring2	S	SWTEMP	0.00	0.0005	-0.109	19.025	-12.66	Decreasing	0.8683
YRKPH	Spring2	B	BWTEMP	0.00	0.0011	-0.134	18.725	-15.69	Decreasing	0.9489
MOBPH	Spring2	S	STN	0.00	0.0658	-0.0025	0.4600	-11.96	No Trend	0.9926
MOBPH	Spring2	B	BTN	0.00	0.0153	-0.0043	0.5088	-18.74	No Trend	0.9336
MOBPH	Spring2	S	SDIN	0.00	0.2259	0.0000	0.0400	0.00	No Trend	0.8151
MOBPH	Spring2	B	BDIN	0.00	0.3516	0.0000	0.0418	0.00	No Trend	0.7421
MOBPH	Spring2	S	STP	1.00	0.9351	0.0000	0.0263	-0.56	No Trend	0.5494
MOBPH	Spring2	B	BTP	0.00	0.7695	-0.0001	0.0315	-3.49	No Trend	0.7612
MOBPH	Spring2	S	SPO4F	24.00	0.0203	0.0000	0.0050	-	No Trend	1.0000
MOBPH	Spring2	B	BPO4F	21.00	0.0203	0.0000	0.0050	-	No Trend	1.0000
MOBPH	Spring2	S	SCHLA	0.00	0.4064	0.053	5.140	22.88	No Trend	0.3172
MOBPH	Spring2	S	STSS	0.00	0.3968	-0.056	9.900	-12.44	No Trend	0.9410
MOBPH	Spring2	B	BTSS	0.00	0.7819	0.020	14.000	3.16	No Trend	0.2212
MOBPH	Spring2	S	SECCHI	0.00	0.0000	-0.027	1.400	-42.31	Degrading	0.9326
MOBPH	Spring2	B	BDO	0.00	0.0000	0.075	7.325	22.39	Improving	0.2749
MOBPH	Spring2	S	SSALINITY	0.00	0.1766	-0.069	20.435	-7.42	No Trend	0.8254
MOBPH	Spring2	B	BSALINITY	0.00	0.0936	-0.083	20.573	-8.91	No Trend	0.4397
MOBPH	Spring2	S	SWTEMP	0.00	0.8324	-0.012	19.175	-1.35	No Trend	0.9226
MOBPH	Spring2	B	BWTEMP	0.00	0.6023	0.017	18.050	2.03	No Trend	0.4267

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
RPPTF	Spring2	S	SCHLA	0.00	0.3486	0.066	8.513	16.98	No Trend	0.4949
RPPTF	Spring2	S	STSS	0.00	0.7771	0.100	24.000	7.92	No Trend	0.8492
RPPTF	Spring2	B	BTSS	0.00	0.7927	0.067	34.500	3.67	No Trend	0.8045
RPPTF	Spring2	S	SECCHI	0.00	0.9481	0.000	0.400	0.00	No Trend	0.6988
RPPTF	Spring2	B	BDO	0.00	0.2218	0.025	8.025	6.85	No Trend	0.9040
RPPTF	Spring2	S	SSALINITY	0.00	0.0000	0.000	0.010	0.00	Unchanged	0.6559
RPPTF	Spring2	B	BSALINITY	0.00	0.0000	0.000	0.010	0.00	Unchanged	0.6779
RPPTF	Spring2	S	SWTEMP	0.00	0.7944	0.012	22.500	1.18	No Trend	0.9738
RPPTF	Spring2	B	BWTEMP	0.00	0.5466	0.015	21.625	1.48	No Trend	0.9335
RPPOH	Spring2	S	SCHLA	0.00	0.0083	0.301	4.408	150.37	Degrading	0.1122
RPPOH	Spring2	S	STSS	0.00	0.0882	-0.769	44.500	-32.84	No Trend	0.1711
RPPOH	Spring2	B	BTSS	0.00	0.8097	-0.250	55.000	-8.64	No Trend	0.1149
RPPOH	Spring2	S	SECCHI	0.00	0.4381	0.000	0.375	0.00	No Trend	0.5183
RPPOH	Spring2	B	BDO	0.00	0.0749	0.036	7.775	10.07	No Trend	0.8193
RPPOH	Spring2	S	SSALINITY	0.00	0.2017	0.000	1.263	0.00	No Trend	0.8533
RPPOH	Spring2	B	BSALINITY	0.00	0.3132	0.000	1.640	0.00	No Trend	0.8466
RPPOH	Spring2	S	SWTEMP	0.00	0.2117	-0.056	20.875	-5.91	No Trend	0.7060
RPPOH	Spring2	B	BWTEMP	0.00	0.1964	-0.041	21.250	-4.24	No Trend	0.8433
RPPMH	Spring2	S	SCHLA	1.00	0.3619	0.054	8.945	13.18	No Trend	0.6273
RPPMH	Spring2	S	STSS	3.00	0.5145	0.084	6.750	27.45	No Trend	0.8940
RPPMH	Spring2	B	BTSS	1.00	0.0065	0.544	8.200	145.96	Degrading	0.6525
RPPMH	Spring2	S	SECCHI	0.00	0.0028	-0.017	1.300	-28.21	Degrading	0.1959
RPPMH	Spring2	B	BDO	0.00	0.9740	0.000	6.700	0.00	No Trend	0.9863
RPPMH	Spring2	S	SSALINITY	0.00	0.1258	-0.083	14.488	-12.65	No Trend	0.9144
RPPMH	Spring2	B	BSALINITY	0.00	0.1180	-0.091	15.525	-12.94	No Trend	0.8575
RPPMH	Spring2	S	SWTEMP	0.00	0.0435	-0.050	19.625	-5.61	No Trend	0.9335
RPPMH	Spring2	B	BWTEMP	0.00	0.0069	-0.077	17.500	-9.74	Decreasing	0.6629
CRRMH	Spring2	S	SCHLA	0.00	0.4959	0.062	12.615	10.79	No Trend	0.5454
CRRMH	Spring2	S	STSS	1.00	0.5789	0.000	6.500	0.00	No Trend	0.6737
CRRMH	Spring2	B	BTSS	0.00	0.5183	-0.083	8.000	-19.79	No Trend	0.3315
CRRMH	Spring2	S	SECCHI	0.00	0.0000	-0.020	1.850	-23.78	Degrading	0.7602
CRRMH	Spring2	B	BDO	0.00	0.9867	0.000	7.225	0.00	No Trend	0.7129
CRRMH	Spring2	S	SSALINITY	0.00	0.0815	-0.111	15.618	-15.60	No Trend	0.9926
CRRMH	Spring2	B	BSALINITY	0.00	0.0721	-0.083	15.815	-11.49	No Trend	0.9087
CRRMH	Spring2	S	SWTEMP	0.00	0.1219	-0.036	20.950	-3.75	No Trend	0.9903
CRRMH	Spring2	B	BWTEMP	0.00	0.0020	-0.095	20.200	-10.30	Decreasing	0.9113
PIAMH	Spring2	S	STN	0.00	0.2223	-0.0023	0.5228	-9.56	No Trend	0.9772
PIAMH	Spring2	B	BTN	0.00	0.3852	-0.0025	0.5798	-9.37	No Trend	0.4642
PIAMH	Spring2	S	SDIN	6.00	0.0666	-0.0006	0.0500	-24.20	No Trend	0.4350
PIAMH	Spring2	B	BDIN	5.00	0.4243	0.0000	0.0718	0.00	No Trend	0.8624
PIAMH	Spring2	S	STP	0.00	0.1956	-0.0001	0.0230	-13.39	No Trend	0.1555
PIAMH	Spring2	B	BTP	0.00	0.3489	-0.0001	0.0243	-9.07	No Trend	0.8220
PIAMH	Spring2	S	SPO4F	6.00	0.0215	0.0000	0.0050	0.00	No Trend	0.9999
PIAMH	Spring2	B	BPO4F	6.00	0.0215	0.0000	0.0050	0.00	No Trend	0.9999
PIAMH	Spring2	S	SCHLA	2.00	0.6316	0.043	7.933	11.90	No Trend	0.4325
PIAMH	Spring2	S	STSS	2.00	0.4434	-0.061	5.750	-23.41	No Trend	0.7065
PIAMH	Spring2	B	BTSS	0.00	0.0766	-0.149	11.500	-28.46	No Trend	0.5154
PIAMH	Spring2	S	SECCHI	0.00	0.0000	-0.028	1.825	-33.49	Degrading	0.4894
PIAMH	Spring2	B	BDO	0.00	0.0015	0.080	7.625	23.08	Improving	0.2361
PIAMH	Spring2	S	SSALINITY	0.00	0.0986	-0.102	17.565	-12.80	No Trend	0.7543
PIAMH	Spring2	B	BSALINITY	0.00	0.0269	-0.110	17.995	-13.41	No Trend	0.9123
PIAMH	Spring2	S	SWTEMP	0.00	0.2470	-0.047	18.575	-5.53	No Trend	0.5192
PIAMH	Spring2	B	BWTEMP	0.00	0.2681	-0.034	17.850	-4.23	No Trend	0.2150

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
POCMH	Spring2	B	BTN	0.00	0.9351	-0.0003	0.5933	-1.28	No Trend	0.2927
POCMH	Spring2	S	SDIN	0.00	0.0021	-0.0014	0.0680	-46.57	Improving	0.8140
POCMH	Spring2	B	BDIN	0.00	0.0166	-0.0010	0.0650	-32.72	No Trend	0.9372
POCMH	Spring2	S	STP	0.00	0.4638	0.0001	0.0285	8.68	No Trend	0.8081
POCMH	Spring2	B	BTP	0.00	0.5467	0.0001	0.0280	7.25	No Trend	0.6598
POCMH	Spring2	S	SPO4F	6.00	0.1803	0.0000	0.0050	0.00	No Trend	-
POCMH	Spring2	B	BPO4F	6.00	0.3925	0.0000	0.0050	0.00	No Trend	-
POCMH	Spring2	S	SCHLA	0.00	0.0330	0.168	7.425	49.74	No Trend	0.5529
POCMH	Spring2	S	STSS	0.00	0.7695	-0.035	13.075	-5.94	No Trend	0.9481
POCMH	Spring2	B	BTSS	0.00	0.9222	0.013	17.750	1.55	No Trend	0.1097
POCMH	Spring2	S	SECCHI	0.00	0.0000	-0.025	1.750	-31.43	Degrading	0.9432
POCMH	Spring2	B	BDO	0.00	0.6361	-0.005	7.850	-1.40	No Trend	0.9142
POCMH	Spring2	S	SSALINITY	0.00	0.0936	-0.072	18.210	-8.68	No Trend	0.9314
POCMH	Spring2	B	BSALINITY	0.00	0.1664	-0.064	18.263	-7.68	No Trend	0.9494
POCMH	Spring2	S	SWTEMP	0.00	0.9351	0.001	19.250	0.10	No Trend	0.7615
POCMH	Spring2	B	BWTEMP	0.00	0.8070	-0.005	19.050	-0.58	No Trend	0.8535
CB5MH	Spring2	S	STN	0.00	0.7820	-0.0012	0.6514	-3.99	No Trend	0.8521
CB5MH	Spring2	B	BTN	0.00	0.4539	-0.0026	0.6574	-8.63	No Trend	0.9058
CB5MH	Spring2	S	SDIN	1.00	0.9351	-0.0002	0.1470	-3.59	No Trend	0.8307
CB5MH	Spring2	B	BDIN	0.00	0.5255	-0.0015	0.1665	-19.61	No Trend	0.5787
CB5MH	Spring2	S	STP	3.00	0.0004	0.0002	0.0193	27.90	Degrading	0.9801
CB5MH	Spring2	B	BTP	0.00	0.0003	0.0004	0.0269	35.08	Degrading	0.7045
CB5MH	Spring2	S	SPO4F	27.00	-	0.0000	0.0050	-	-	-
CB5MH	Spring2	B	BPO4F	16.00	0.4992	0.0000	0.0050	-	No Trend	-
CB5MH	Spring2	S	SCHLA	0.00	0.1984	0.101	7.002	31.89	No Trend	0.2627
CB5MH	Spring2	S	STSS	7.00	0.4940	0.018	4.758	8.09	No Trend	0.8049
CB5MH	Spring2	B	BTSS	1.00	0.0357	0.139	8.375	36.64	No Trend	0.4827
CB5MH	Spring2	S	SECCHI	0.00	0.0000	-0.033	2.125	-34.51	Degrading	0.7217
CB5MH	Spring2	B	BDO	0.00	0.4835	-0.016	5.225	-6.58	No Trend	0.7774
CB5MH	Spring2	S	SSALINITY	0.00	0.1035	-0.096	14.838	-14.16	No Trend	0.8063
CB5MH	Spring2	B	BSALINITY	0.00	0.7447	-0.010	20.463	-1.11	No Trend	0.3860
CB5MH	Spring2	S	SWTEMP	0.00	0.7446	-0.009	17.775	-1.11	No Trend	0.8352
CB5MH	Spring2	B	BWTEMP	0.00	0.9480	0.000	16.025	0.00	No Trend	0.9561
CB6PH	Spring2	S	STN	0.00	0.1927	-0.0024	0.5506	-9.76	No Trend	0.7013
CB6PH	Spring2	B	BTN	0.00	0.0936	-0.0030	0.4979	-13.06	No Trend	0.7996
CB6PH	Spring2	S	SDIN	3.00	0.7064	0.0000	0.0630	0.00	No Trend	0.8442
CB6PH	Spring2	B	BDIN	2.00	0.7569	0.0003	0.0524	12.08	No Trend	0.4696
CB6PH	Spring2	S	STP	0.00	0.6252	0.0000	0.0205	-3.07	No Trend	0.3241
CB6PH	Spring2	B	BTP	0.00	0.2345	0.0001	0.0263	9.54	No Trend	0.4479
CB6PH	Spring2	S	SPO4F	35.00	0.0581	0.0000	0.0050	-	High BDLs	1.0000
CB6PH	Spring2	B	BPO4F	21.00	0.2804	0.0000	0.0050	-	No Trend	0.5558
CB6PH	Spring2	S	SCHLA	5.00	0.9093	0.009	6.991	2.75	No Trend	0.3897
CB6PH	Spring2	S	STSS	10.00	0.4156	0.039	5.250	16.13	No Trend	0.8182
CB6PH	Spring2	B	BTSS	1.00	0.0246	0.203	10.163	43.91	No Trend	0.5474
CB6PH	Spring2	S	SECCHI	0.00	0.0001	-0.033	2.225	-32.96	Degrading	0.5415
CB6PH	Spring2	B	BDO	0.00	0.0189	0.037	6.525	12.64	No Trend	0.0444
CB6PH	Spring2	S	SSALINITY	0.00	0.1567	-0.082	18.383	-9.87	No Trend	0.9718
CB6PH	Spring2	B	BSALINITY	0.00	0.2682	-0.053	22.895	-5.07	No Trend	0.8831
CB6PH	Spring2	S	SWTEMP	0.00	0.4837	-0.023	18.500	-2.77	No Trend	0.7614
CB6PH	Spring2	B	BWTEMP	0.00	0.2475	-0.031	17.375	-3.98	No Trend	0.7226

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
CB7PH	Spring2	S	STN	0.00	0.2974	-0.0020	0.4971	-8.90	No Trend	0.8788
CB7PH	Spring2	B	BTN	0.00	0.2681	-0.0015	0.4660	-6.92	No Trend	0.8447
CB7PH	Spring2	S	SDIN	5.00	0.8811	0.0000	0.0400	0.00	No Trend	0.5852
CB7PH	Spring2	B	BDIN	4.00	0.3020	0.0003	0.0443	15.91	No Trend	0.2065
CB7PH	Spring2	S	STP	0.00	0.2342	-0.0001	0.0205	-7.15	No Trend	0.2207
CB7PH	Spring2	B	BTP	0.00	0.5361	-0.0001	0.0320	-3.93	No Trend	0.7751
CB7PH	Spring2	S	SPO4F	41.00	0.1803	0.0000	0.0050	-	High BDLs	-
CB7PH	Spring2	B	BPO4F	39.00	0.1684	0.0000	0.0050	-	High BDLs	0.7263
CB7PH	Spring2	S	SCHLA	9.00	0.1872	0.065	4.165	34.30	No Trend	0.3837
CB7PH	Spring2	S	STSS	9.00	0.9351	0.002	5.675	0.61	No Trend	0.9374
CB7PH	Spring2	B	BTSS	3.00	0.1070	0.181	11.275	35.37	No Trend	0.7439
CB7PH	Spring2	S	SECCHI	0.00	0.0000	-0.042	2.300	-39.86	Degrading	0.2393
CB7PH	Spring2	B	BDO	0.00	0.0116	0.035	7.300	10.45	No Trend	0.3836
CB7PH	Spring2	S	SSALINITY	0.00	0.1474	-0.092	20.013	-10.10	No Trend	0.5546
CB7PH	Spring2	B	BSALINITY	0.00	0.2221	-0.060	24.213	-5.45	No Trend	0.7928
CB7PH	Spring2	S	SWTEMP	0.00	0.9870	0.000	17.600	0.00	No Trend	0.6293
CB7PH	Spring2	B	BWTEMP	0.00	0.4155	-0.020	16.725	-2.63	No Trend	0.5709
CB8PH	Spring2	S	STN	0.00	0.5068	-0.0011	0.4353	-5.76	No Trend	0.8328
CB8PH	Spring2	B	BTN	0.00	0.3152	-0.0017	0.4547	-8.34	No Trend	0.3983
CB8PH	Spring2	S	SDIN	7.00	0.0061	0.0003	0.0199	37.24	Degrading	0.0479
CB8PH	Spring2	B	BDIN	3.00	0.0773	0.0001	0.0242	11.39	No Trend	0.7320
CB8PH	Spring2	S	STP	0.00	0.0000	-0.0005	0.0398	-27.67	Improving	0.3867
CB8PH	Spring2	B	BTP	0.00	0.0030	-0.0005	0.0505	-20.94	Improving	0.9148
CB8PH	Spring2	S	SPO4F	12.00	0.0772	0.0000	0.0050	0.00	No Trend	0.5791
CB8PH	Spring2	B	BPO4F	0.00	0.0000	0.0000	0.0105	0.00	Unchanged	0.2158
CB8PH	Spring2	S	SCHLA	6.00	0.1133	0.099	4.468	48.91	No Trend	0.5919
CB8PH	Spring2	S	STSS	10.00	0.2683	0.086	6.350	29.70	No Trend	0.8358
CB8PH	Spring2	B	BTSS	3.00	0.1173	0.165	10.725	33.85	No Trend	0.2746
CB8PH	Spring2	S	SECCHI	0.00	0.0000	-0.044	2.200	-44.44	Degrading	0.8230
CB8PH	Spring2	B	BDO	0.00	0.0001	0.049	7.800	13.85	Improving	0.5503
CB8PH	Spring2	S	SSALINITY	0.00	0.0986	-0.080	23.900	-7.36	No Trend	0.8809
CB8PH	Spring2	B	BSALINITY	0.00	0.0061	-0.057	29.920	-4.21	Decreasing	0.5305
CB8PH	Spring2	S	SWTEMP	0.00	0.1956	-0.037	17.425	-4.71	No Trend	0.3472
CB8PH	Spring2	B	BWTEMP	0.00	0.1022	-0.049	15.625	-6.90	No Trend	0.2993
APPTF	Summer1	S	SCHLA	0.00	0.0273	-0.823	47.230	-38.35	No Trend	0.4637
APPTF	Summer1	S	STSS	0.00	0.7477	0.049	24.500	3.81	No Trend	0.8416
APPTF	Summer1	B	BTSS	0.00	0.5493	-0.222	32.250	-13.09	No Trend	0.8666
APPTF	Summer1	S	SECCHI	0.00	0.0000	-0.006	0.500	-27.50	Degrading	0.6180
APPTF	Summer1	B	BDO	0.00	0.0251	0.035	8.200	9.46	No Trend	0.1741
APPTF	Summer1	S	SSALINITY	0.00	0.4301	0.000	0.010	0.00	No Trend	0.5477
APPTF	Summer1	B	BSALINITY	0.00	0.3224	0.000	0.010	0.00	No Trend	0.4969
APPTF	Summer1	S	SWTEMP	0.00	0.0189	0.090	25.625	7.73	No Trend	0.5379
APPTF	Summer1	B	BWTEMP	0.00	0.0642	0.075	25.125	6.57	No Trend	0.6115
JMSTF1	Summer1	S	SCHLA	0.00	0.1872	-0.444	26.793	-36.44	No Trend	0.9764
JMSTF1	Summer1	S	STSS	0.00	0.0451	0.333	19.750	32.07	No Trend	0.3242
JMSTF1	Summer1	B	BTSS	0.00	0.3086	0.719	33.000	41.38	No Trend	0.8244
JMSTF1	Summer1	S	SECCHI	0.00	0.0000	-0.011	0.650	-37.61	Degrading	0.9413
JMSTF1	Summer1	B	BDO	0.00	0.0332	0.033	6.400	11.42	No Trend	0.9478
JMSTF1	Summer1	S	SSALINITY	0.00	0.2532	0.000	0.010	0.00	No Trend	0.9071
JMSTF1	Summer1	B	BSALINITY	0.00	0.4990	0.000	0.010	0.00	No Trend	0.7772
JMSTF1	Summer1	S	SWTEMP	0.00	0.5918	0.014	24.875	1.28	No Trend	0.4853
JMSTF1	Summer1	B	BWTEMP	0.00	0.4395	0.029	25.000	2.51	No Trend	0.4374

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
JMSTF2	Summer1	S	SCHLA	8.00	0.2897	0.000	4.643	0.00	No Trend	0.9695
JMSTF2	Summer1	S	STSS	0.00	0.6521	0.000	10.000	0.00	No Trend	0.0287
JMSTF2	Summer1	B	BTSS	0.00	0.0145	0.500	18.750	50.67	No Trend	0.8213
JMSTF2	Summer1	S	SECCHI	0.00	0.0014	-0.017	0.900	-40.74	Degrading	0.5561
JMSTF2	Summer1	B	BDO	0.00	0.0293	0.028	6.200	9.78	No Trend	0.9274
JMSTF2	Summer1	S	SSALINITY	0.00	0.4170	0.000	0.010	0.00	No Trend	0.3005
JMSTF2	Summer1	B	BSALINITY	0.00	0.3225	0.000	0.010	0.00	No Trend	0.5039
JMSTF2	Summer1	S	SWTEMP	0.00	0.2837	0.029	26.300	2.41	No Trend	0.7833
JMSTF2	Summer1	B	BWTEMP	0.00	0.3977	0.033	25.375	2.82	No Trend	0.7725
CHKOH	Summer1	S	SCHLA	0.00	0.0000	-0.706	29.450	-45.54	Improving	0.8558
CHKOH	Summer1	S	STSS	0.00	0.0581	0.333	18.500	34.23	No Trend	0.3147
CHKOH	Summer1	B	BTSS	0.00	0.0041	1.750	35.250	94.33	Degrading	0.5841
CHKOH	Summer1	S	SECCHI	0.00	0.0000	-0.011	0.550	-38.38	Degrading	0.1676
CHKOH	Summer1	B	BDO	0.00	0.9289	0.000	5.750	0.00	No Trend	0.8684
CHKOH	Summer1	S	SSALINITY	0.00	0.0185	0.000	0.010	0.00	No Trend	0.5167
CHKOH	Summer1	B	BSALINITY	0.00	0.0142	0.000	0.010	0.00	No Trend	0.5181
CHKOH	Summer1	S	SWTEMP	0.00	0.1991	0.056	26.750	3.97	No Trend	0.3653
CHKOH	Summer1	B	BWTEMP	0.00	0.1695	0.049	26.600	3.51	No Trend	0.3645
JMSOH	Summer1	S	SCHLA	0.00	0.8435	0.016	8.070	4.28	No Trend	0.8041
JMSOH	Summer1	S	STSS	0.00	0.9289	0.000	26.000	0.00	No Trend	0.1232
JMSOH	Summer1	B	BTSS	0.00	0.2780	0.592	55.750	20.16	No Trend	0.9672
JMSOH	Summer1	S	SECCHI	0.00	0.0461	-0.005	0.675	-14.81	No Trend	0.7015
JMSOH	Summer1	B	BDO	0.00	0.2449	-0.010	6.875	-3.20	No Trend	0.3577
JMSOH	Summer1	S	SSALINITY	0.00	0.9775	0.001	6.213	0.25	No Trend	0.7384
JMSOH	Summer1	B	BSALINITY	0.00	0.9887	0.000	6.875	0.00	No Trend	0.7448
JMSOH	Summer1	S	SWTEMP	0.00	0.4895	0.022	25.850	1.90	No Trend	0.5049
JMSOH	Summer1	B	BWTEMP	0.00	0.6018	0.013	25.700	1.15	No Trend	0.6404
JMSMH	Summer1	S	SCHLA	1.00	0.0021	0.083	4.670	39.26	Degrading	0.1023
JMSMH	Summer1	S	STSS	1.00	0.4250	-0.074	12.000	-13.60	No Trend	0.7034
JMSMH	Summer1	B	BTSS	0.00	0.0017	1.077	20.750	98.65	Degrading	0.1771
JMSMH	Summer1	S	SECCHI	0.00	0.1330	-0.005	1.100	-9.09	No Trend	0.4383
JMSMH	Summer1	B	BDO	0.00	0.9886	0.000	6.200	0.00	No Trend	0.0230
JMSMH	Summer1	S	SSALINITY	0.00	0.3306	-0.062	17.308	-7.86	No Trend	0.8429
JMSMH	Summer1	B	BSALINITY	0.00	0.2199	-0.049	19.603	-5.55	No Trend	0.7426
JMSMH	Summer1	S	SWTEMP	0.00	0.8767	0.002	25.125	0.20	No Trend	0.4923
JMSMH	Summer1	B	BWTEMP	0.00	0.7995	0.005	24.725	0.44	No Trend	0.6252
JMSPH	Summer1	S	SCHLA	4.00	0.0000	0.211	3.963	116.99	Degrading	0.7807
JMSPH	Summer1	S	STSS	0.00	0.8435	0.012	9.775	2.62	No Trend	0.7731
JMSPH	Summer1	B	BTSS	0.00	0.2361	-0.188	18.450	-22.36	No Trend	0.9663
JMSPH	Summer1	S	SECCHI	0.00	0.0000	-0.015	1.250	-27.08	Degrading	0.9215
JMSPH	Summer1	B	BDO	0.00	0.0000	0.048	5.950	17.68	Improving	0.7048
JMSPH	Summer1	S	SSALINITY	0.00	0.0035	-0.118	23.610	-11.02	Decreasing	0.9899
JMSPH	Summer1	B	BSALINITY	0.00	0.0000	-0.216	25.210	-18.85	Decreasing	0.7373
JMSPH	Summer1	S	SWTEMP	0.00	0.9887	0.000	25.375	0.00	No Trend	0.1984
JMSPH	Summer1	B	BWTEMP	0.00	0.0005	0.087	22.925	8.35	Increasing	0.4304
WBEMH	Summer1	S	STN	0.00	0.3060	0.0037	0.848	7.95	No Trend	0.8682
WBEMH	Summer1	B	BTN	0.00	0.8879	0.0014	0.899	2.83	No Trend	0.3461
WBEMH	Summer1	S	SDIN	11.22	0.9536	0.0000	0.22835	0.00	No Trend	0.7837
WBEMH	Summer1	B	BDIN	5.00	1.0000	-0.0001	0.25305	-0.40	No Trend	0.6359
WBEMH	Summer1	S	STP	0.00	0.3867	-0.0006	0.1395	-7.93	No Trend	0.9276
WBEMH	Summer1	B	BTP	0.00	0.1642	-0.0012	0.158	-13.99	No Trend	0.8609
WBEMH	Summer1	S	SPO4F	6.93	0.0581	-0.0006	0.068	-15.30	No Trend	0.6748
WBEMH	Summer1	B	BPO4F	10.68	0.1548	-0.0004	0.0715	-11.23	No Trend	0.7646

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
WBEMH	Summer1	S	SCHLA	0.00	0.8247	-0.0416	25.6	-2.92	No Trend	0.5168
WBEMH	Summer1	S	STSS	0.00	0.8723	-0.0457	31.5	-2.61	No Trend	0.4083
WBEMH	Summer1	B	BTSS	0.00	0.3847	-0.3111	41.25	-13.58	No Trend	0.6215
WBEMH	Summer1	S	SECCHI	0.00	0.1628	0.0000	0.45	0.00	No Trend	0.7372
WBEMH	Summer1	B	BDO	0.00	0.9843	0.0000	4.4	0.00	No Trend	0.3312
WBEMH	Summer1	S	SSALINITY	0.00	0.5886	-0.0359	17.5	-3.69	No Trend	0.8306
WBEMH	Summer1	B	BSALINITY	0.00	0.4788	-0.0419	17.55	-4.29	No Trend	0.9411
WBEMH	Summer1	B	BWTEMP	0.00	0.1398	0.0525	26.7	3.54	No Trend	0.7101
WBEMH	Summer1	S	SWTEMP	0.00	0.1701	0.0388	26.85	2.60	No Trend	0.3309
SBEMH	Summer1	S	STN	0.00	0.1474	-0.0079	1.294	-10.93	No Trend	0.1487
SBEMH	Summer1	B	BTN	0.00	0.1480	-0.0053	1.145	-8.32	No Trend	0.8952
SBEMH	Summer1	S	SDIN	0.00	0.1611	-0.0061	0.714	-15.31	No Trend	0.8988
SBEMH	Summer1	B	BDIN	0.00	0.5196	-0.0024	0.6614	-6.41	No Trend	0.5259
SBEMH	Summer1	S	STP	0.00	0.0276	-0.0011	0.107	-18.61	No Trend	0.7765
SBEMH	Summer1	B	BTP	0.00	0.0000	-0.0022	0.1355	-29.88	Improving	0.7642
SBEMH	Summer1	S	SPO4F	1.48	0.0633	-0.0010	0.07525	-23.96	No Trend	0.8576
SBEMH	Summer1	B	BPO4F	0.00	0.0050	-0.0016	0.091	-30.82	Improving	0.8733
SBEMH	Summer1	S	SCHLA	2.96	0.0280	-0.2437	9.025	-48.60	No Trend	0.6578
SBEMH	Summer1	S	STSS	0.00	0.0755	-0.1380	8.875	-27.99	No Trend	0.9061
SBEMH	Summer1	B	BTSS	0.00	0.0000	-0.7085	14.9	-85.60	Improving	0.9180
SBEMH	Summer1	S	SECCHI	0.00	0.0561	0.0100	0.75	24.00	No Trend	0.5829
SBEMH	Summer1	B	BDO	0.00	0.0469	0.0600	2.65	40.75	No Trend	0.7465
SBEMH	Summer1	S	SSALINITY	0.00	0.2707	0.0762	17.575	7.81	No Trend	0.7729
SBEMH	Summer1	B	BSALINITY	0.00	0.5420	-0.0454	18.45	-4.43	No Trend	0.7102
SBEMH	Summer1	B	BWTEMP	0.00	0.0132	0.1400	25.5	9.88	No Trend	0.2873
SBEMH	Summer1	S	SWTEMP	0.00	0.1763	0.0571	28.125	3.66	No Trend	0.1037
EBEMH	Summer1	S	STN	0.00	0.7320	0.0014	1.107	2.28	No Trend	0.3503
EBEMH	Summer1	B	BTN	0.00	0.3645	-0.0038	1.0805	-6.39	No Trend	0.1141
EBEMH	Summer1	S	SDIN	0.00	0.1978	-0.0042	0.5228	-14.40	No Trend	0.2073
EBEMH	Summer1	B	BDIN	0.00	0.3065	-0.0038	0.56905	-11.89	No Trend	0.5533
EBEMH	Summer1	S	STP	0.00	0.8646	0.0000	0.1125	0.80	No Trend	0.4821
EBEMH	Summer1	B	BTP	0.00	0.1132	-0.0009	0.1215	-12.68	No Trend	0.3515
EBEMH	Summer1	S	SPO4F	3.08	0.3241	-0.0004	0.079	-8.02	No Trend	0.8463
EBEMH	Summer1	B	BPO4F	0.00	0.2625	-0.0007	0.086	-14.23	No Trend	0.4413
EBEMH	Summer1	S	SCHLA	2.99	0.0662	0.1839	4.3	77.00	No Trend	0.5891
EBEMH	Summer1	S	STSS	0.00	0.1640	-0.1417	13.35	-19.10	No Trend	0.0163
EBEMH	Summer1	B	BTSS	0.00	0.4060	-0.2193	12.95	-30.48	No Trend	0.9503
EBEMH	Summer1	S	SECCHI	0.00	0.8280	0.0000	0.85	0.00	No Trend	0.0945
EBEMH	Summer1	B	BDO	0.00	0.1564	0.0350	3.25	19.38	No Trend	0.3162
EBEMH	Summer1	S	SSALINITY	0.00	0.8468	-0.0065	18.2	-0.64	No Trend	0.6953
EBEMH	Summer1	B	BSALINITY	0.00	0.6794	-0.0200	18.65	-1.93	No Trend	0.9527
EBEMH	Summer1	B	BWTEMP	0.00	0.0448	0.0563	25.85	3.92	No Trend	0.2324
EBEMH	Summer1	S	SWTEMP	0.00	0.1701	0.0500	26.55	3.39	No Trend	0.1502
LAFMH	Summer1	S	STN	0.00	0.0304	0.0137	0.623875	19.80	No Trend	0.9899
LAFMH	Summer1	B	BTN	0.00	0.5160	0.0046	0.694	6.00	No Trend	0.7187
LAFMH	Summer1	S	SDIN	10.94	0.3671	0.0043	0.128	30.18	No Trend	0.2740
LAFMH	Summer1	B	BDIN	7.46	0.3865	0.0055	0.1375	36.00	No Trend	0.8536
LAFMH	Summer1	S	STP	0.00	0.0220	0.0042	0.085225	44.44	No Trend	0.5618
LAFMH	Summer1	B	BTP	0.00	0.4669	0.0016	0.100675	14.57	No Trend	0.9425
LAFMH	Summer1	S	SPO4F	4.41	0.0281	0.0014	0.0295	43.22	No Trend	0.5345
LAFMH	Summer1	B	BPO4F	5.71	0.0759	0.0013	0.03175	37.12	No Trend	0.4809

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
LAFMH	Summer1	S	SCHLA	0.00	0.6520	0.3825	14.495	23.75	No Trend	0.2825
LAFMH	Summer1	S	STSS	0.00	0.1149	1.0677	21.5	44.69	No Trend	0.8439
LAFMH	Summer1	B	BTSS	0.00	0.6236	0.2250	34.25	5.91	No Trend	0.9439
LAFMH	Summer1	S	SECCHI	0.00	0.5565	0.0000	0.525	0.00	No Trend	0.8185
LAFMH	Summer1	B	BDO	0.00	0.0953	0.0698	5.275	11.91	No Trend	0.2809
LAFMH	Summer1	S	SSALINITY	0.00	0.7545	0.1458	18.2	7.21	No Trend	0.9443
LAFMH	Summer1	B	BSALINITY	0.00	0.8344	0.1027	19.05	4.85	No Trend	0.9707
LAFMH	Summer1	B	BWTEMP	0.00	0.1753	0.1669	25.48	5.89	No Trend	0.5138
LAFMH	Summer1	S	SWTEMP	0.00	0.1179	0.2179	25.3375	7.74	No Trend	0.2580
ELIPH	Summer1	S	SCHLA	0.42	0.3520	0.0567	8.63	14.45	No Trend	0.6202
ELIPH	Summer1	S	STSS	0.00	0.0006	-0.3600	15.95	-42.88	Improving	0.7658
ELIPH	Summer1	B	BTSS	0.00	0.0165	-0.4155	19.25	-41.01	No Trend	0.5032
ELIPH	Summer1	S	SECCHI	0.00	0.0138	-0.0059	1.1	-11.76	No Trend	0.5381
ELIPH	Summer1	B	BDO	0.00	0.6825	0.0057	5.25	2.39	No Trend	0.0677
ELIPH	Summer1	S	SSALINITY	0.00	0.0136	-0.1291	23.385	-12.15	No Trend	0.9150
ELIPH	Summer1	B	BSALINITY	0.00	0.0003	-0.1513	25.38	-13.12	Decreasing	0.9303
ELIPH	Summer1	B	BWTEMP	0.00	0.3375	0.0250	23.775	2.31	No Trend	0.2402
ELIPH	Summer1	S	SWTEMP	0.00	0.4295	0.0187	24.825	1.66	No Trend	0.2735
PMKTF	Summer1	S	SCHLA	2.00	0.0118	-0.057	7.188	-17.54	No Trend	0.2455
PMKTF	Summer1	S	STSS	0.00	0.3422	0.129	11.500	21.34	No Trend	0.7979
PMKTF	Summer1	B	BTSS	0.00	0.0411	-0.552	18.000	-58.31	No Trend	0.4676
PMKTF	Summer1	S	SECCHI	0.00	0.7182	0.000	0.625	0.00	No Trend	0.4014
PMKTF	Summer1	B	BDO	0.00	0.0084	0.033	5.350	13.51	Improving	0.7097
PMKTF	Summer1	S	SSALINITY	0.00	0.0440	0.000	0.010	0.00	No Trend	0.7746
PMKTF	Summer1	B	BSALINITY	0.00	0.0608	0.000	0.010	0.00	No Trend	0.8808
PMKTF	Summer1	S	SWTEMP	0.00	0.0505	0.051	25.500	4.38	No Trend	0.0681
PMKTF	Summer1	B	BWTEMP	0.00	0.1386	0.058	26.000	4.88	No Trend	0.0464
PMKOH	Summer1	S	SCHLA	0.00	0.7743	0.029	9.455	6.79	No Trend	0.3032
PMKOH	Summer1	S	STSS	1.00	0.0253	-0.859	33.000	-57.29	No Trend	0.6499
PMKOH	Summer1	B	BTSS	0.00	0.0290	-3.750	182.750	-38.99	No Trend	0.9547
PMKOH	Summer1	S	SECCHI	0.00	0.0455	0.003	0.450	16.30	No Trend	0.9718
PMKOH	Summer1	B	BDO	0.00	0.8822	-0.002	4.775	-0.97	No Trend	0.8762
PMKOH	Summer1	S	SSALINITY	0.00	0.7334	0.018	5.608	7.06	No Trend	0.6346
PMKOH	Summer1	B	BSALINITY	0.00	0.6620	0.028	6.743	8.98	No Trend	0.7055
PMKOH	Summer1	S	SWTEMP	0.00	0.8158	0.005	26.025	0.45	No Trend	0.0803
PMKOH	Summer1	B	BWTEMP	0.00	0.5759	0.007	25.900	0.59	No Trend	0.0526
MPNTF	Summer1	S	SCHLA	0.00	0.0597	-0.031	7.250	-9.31	No Trend	0.9741
MPNTF	Summer1	S	STSS	0.00	0.6684	0.000	6.000	0.00	No Trend	0.0781
MPNTF	Summer1	B	BTSS	0.00	0.3090	0.000	8.750	0.00	No Trend	0.1463
MPNTF	Summer1	S	SECCHI	0.00	0.0207	-0.013	1.000	-29.33	No Trend	0.0060
MPNTF	Summer1	B	BDO	0.00	0.1831	0.011	5.850	4.03	No Trend	0.8293
MPNTF	Summer1	S	SSALINITY	0.00	0.3596	0.000	0.010	0.00	No Trend	0.9923
MPNTF	Summer1	B	BSALINITY	0.00	0.3600	0.000	0.010	0.00	No Trend	0.9780
MPNTF	Summer1	S	SWTEMP	0.00	0.0099	0.111	25.625	9.53	Increasing	0.0755
MPNTF	Summer1	B	BWTEMP	0.00	0.0503	0.087	26.500	7.22	No Trend	0.1360
MPNOH	Summer1	S	SCHLA	0.00	0.9511	0.000	9.650	0.00	No Trend	0.3661
MPNOH	Summer1	S	STSS	0.00	0.5251	0.129	17.500	16.24	No Trend	0.4165
MPNOH	Summer1	B	BTSS	0.00	0.2307	1.167	40.000	55.42	No Trend	0.2061
MPNOH	Summer1	S	SECCHI	0.00	0.0440	0.000	0.575	0.00	No Trend	0.9378
MPNOH	Summer1	B	BDO	0.00	0.2509	0.012	4.975	5.10	No Trend	0.7666
MPNOH	Summer1	S	SSALINITY	0.00	0.0680	0.122	7.290	36.78	No Trend	0.5903
MPNOH	Summer1	B	BSALINITY	0.00	0.0778	0.146	7.798	41.11	No Trend	0.7686
MPNOH	Summer1	S	SWTEMP	0.00	0.3122	0.028	26.250	2.33	No Trend	0.0985
MPNOH	Summer1	B	BWTEMP	0.00	0.5769	0.020	25.950	1.70	No Trend	0.1066

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
YRKMH	Summer1	S	SCHLA	0.00	0.7202	-0.021	9.805	-4.71	No Trend	0.6272
YRKMH	Summer1	S	STSS	0.00	0.0872	-0.275	23.750	-22.02	No Trend	0.6295
YRKMH	Summer1	B	BTSS	0.00	0.4238	0.578	42.250	25.98	No Trend	0.2489
YRKMH	Summer1	S	SECCHI	0.00	0.2666	0.000	0.575	0.00	No Trend	0.8272
YRKMH	Summer1	B	BDO	0.00	0.9302	0.000	5.175	0.00	No Trend	0.2534
YRKMH	Summer1	S	SSALINITY	0.00	0.0908	-0.096	15.335	-13.82	No Trend	0.7754
YRKMH	Summer1	B	BSALINITY	0.00	0.0530	-0.080	16.798	-10.41	No Trend	0.7399
YRKMH	Summer1	S	SWTEMP	0.00	0.6159	0.011	25.850	0.92	No Trend	0.0548
YRKMH	Summer1	B	BWTEMP	0.00	0.4734	0.013	25.525	1.08	No Trend	0.0087
YRKPH	Summer1	S	SCHLA	0.00	0.0009	0.158	7.875	44.08	Degrading	0.8467
YRKPH	Summer1	S	STSS	1.00	0.5729	0.063	6.000	22.92	No Trend	0.6895
YRKPH	Summer1	B	BTSS	0.00	0.0921	0.450	21.500	39.77	No Trend	0.5802
YRKPH	Summer1	S	SECCHI	0.00	0.0756	-0.005	1.175	-9.36	No Trend	0.6667
YRKPH	Summer1	B	BDO	0.00	0.8611	-0.005	4.750	-2.41	No Trend	0.3186
YRKPH	Summer1	S	SSALINITY	0.00	0.0008	-0.169	22.725	-16.34	Decreasing	0.7159
YRKPH	Summer1	B	BSALINITY	0.00	0.0174	-0.100	23.870	-9.22	No Trend	0.8414
YRKPH	Summer1	S	SWTEMP	0.00	0.5506	-0.014	24.975	-1.24	No Trend	0.3430
YRKPH	Summer1	B	BWTEMP	0.00	0.4056	-0.021	24.475	-1.89	No Trend	0.2194
MOBPH	Summer1	S	STN	0.00	0.0126	-0.0022	0.5450	-8.92	No Trend	0.9512
MOBPH	Summer1	B	BTN	0.00	0.0000	-0.0046	0.5845	-17.41	Improving	0.9587
MOBPH	Summer1	S	SDIN	0.00	0.0535	0.0000	0.0400	0.00	No Trend	0.6849
MOBPH	Summer1	B	BDIN	0.00	0.3005	-0.0002	0.0473	-11.58	No Trend	0.4990
MOBPH	Summer1	S	STP	0.00	0.1757	0.0002	0.0325	10.85	No Trend	0.9640
MOBPH	Summer1	B	BTP	0.00	0.4895	-0.0001	0.0470	-4.02	No Trend	0.8530
MOBPH	Summer1	S	SPO4F	25.00	0.0709	0.0000	0.0050	-	No Trend	0.5468
MOBPH	Summer1	B	BPO4F	19.00	0.4158	0.0000	0.0080	-	No Trend	0.4367
MOBPH	Summer1	S	SCHLA	0.00	0.0103	0.127	7.700	36.23	No Trend	0.9610
MOBPH	Summer1	S	STSS	1.00	0.0050	-0.280	12.000	-51.32	Improving	0.5989
MOBPH	Summer1	B	BTSS	1.00	0.0009	-0.390	21.400	-40.10	Improving	0.7909
MOBPH	Summer1	S	SECCHI	0.00	0.0000	-0.017	1.175	-31.21	Degrading	0.8286
MOBPH	Summer1	B	BDO	0.00	0.0014	0.041	5.950	15.07	Improving	0.1302
MOBPH	Summer1	S	SSALINITY	0.00	0.0024	-0.118	23.008	-11.32	Decreasing	0.9910
MOBPH	Summer1	B	BSALINITY	0.00	0.0022	-0.119	23.378	-11.16	Decreasing	0.8378
MOBPH	Summer1	S	SWTEMP	0.00	0.1897	0.031	25.650	2.70	No Trend	0.7258
MOBPH	Summer1	B	BWTEMP	0.00	0.0223	0.045	25.050	3.95	No Trend	0.8784
RPPTF	Summer1	S	SCHLA	0.00	0.2839	-0.252	26.660	-20.82	No Trend	0.7708
RPPTF	Summer1	S	STSS	0.00	0.3267	-0.120	24.750	-9.23	No Trend	0.4960
RPPTF	Summer1	B	BTSS	0.00	0.9860	0.000	33.750	0.00	No Trend	0.8779
RPPTF	Summer1	S	SECCHI	0.00	0.8806	0.000	0.400	0.00	No Trend	0.3821
RPPTF	Summer1	B	BDO	0.00	0.1358	-0.022	7.375	-6.63	No Trend	0.5135
RPPTF	Summer1	S	SSALINITY	0.00	0.0000	0.000	0.010	0.00	Unchanged	0.8873
RPPTF	Summer1	B	BSALINITY	0.00	0.0000	0.000	0.010	0.00	Unchanged	0.4946
RPPTF	Summer1	S	SWTEMP	0.00	0.4134	0.028	26.125	2.34	No Trend	0.2139
RPPTF	Summer1	B	BWTEMP	0.00	0.3096	0.032	25.750	2.77	No Trend	0.2056
RPPOH	Summer1	S	SCHLA	0.00	0.0000	0.435	9.573	99.97	Degrading	0.8876
RPPOH	Summer1	S	STSS	0.00	0.0609	-0.366	24.500	-28.39	No Trend	0.6139
RPPOH	Summer1	B	BTSS	0.00	0.6491	0.185	34.500	10.17	No Trend	0.4246
RPPOH	Summer1	S	SECCHI	0.00	0.0132	-0.004	0.625	-15.33	No Trend	0.0181
RPPOH	Summer1	B	BDO	0.00	0.0362	0.025	6.250	8.80	No Trend	0.7200
RPPOH	Summer1	S	SSALINITY	0.00	0.0708	-0.032	4.645	-15.27	No Trend	0.9377
RPPOH	Summer1	B	BSALINITY	0.00	0.1470	-0.030	4.790	-13.70	No Trend	0.6963
RPPOH	Summer1	S	SWTEMP	0.00	0.1666	0.037	26.175	3.10	No Trend	0.0872
RPPOH	Summer1	B	BWTEMP	0.00	0.3092	0.022	26.100	1.84	No Trend	0.0868

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
RPPMH	Summer1	S	SCHLA	0.00	0.0023	0.152	7.715	43.27	Degrading	0.3426
RPPMH	Summer1	S	STSS	8.00	0.0297	-0.179	7.000	-56.28	No Trend	0.1997
RPPMH	Summer1	B	BTSS	0.00	0.5531	-0.100	12.750	-17.31	No Trend	0.1181
RPPMH	Summer1	S	SECCHI	0.00	0.4015	0.000	1.150	0.00	No Trend	0.0833
RPPMH	Summer1	B	BDO	0.00	0.7349	-0.005	5.375	-2.05	No Trend	0.5138
RPPMH	Summer1	S	SSALINITY	0.00	0.0095	-0.137	17.233	-17.54	Decreasing	0.8631
RPPMH	Summer1	B	BSALINITY	0.00	0.0689	-0.083	17.815	-10.19	No Trend	0.8585
RPPMH	Summer1	S	SWTEMP	0.00	0.9438	-0.002	25.150	-0.22	No Trend	0.1185
RPPMH	Summer1	B	BWTEMP	0.00	0.4459	-0.014	25.125	-1.21	No Trend	0.2138
CRRMH	Summer1	S	SCHLA	0.00	0.9887	0.000	11.240	0.00	No Trend	0.7266
CRRMH	Summer1	S	STSS	2.00	0.0006	-0.071	7.500	-20.95	Improving	0.0708
CRRMH	Summer1	B	BTSS	0.00	0.0011	-0.286	14.000	-42.86	Improving	0.6824
CRRMH	Summer1	S	SECCHI	0.00	0.0044	-0.009	1.475	-13.16	Degrading	0.1204
CRRMH	Summer1	B	BDO	0.00	0.3666	-0.023	4.950	-10.12	No Trend	0.9385
CRRMH	Summer1	S	SSALINITY	0.00	0.0015	-0.166	18.165	-20.15	Decreasing	0.9129
CRRMH	Summer1	B	BSALINITY	0.00	0.0131	-0.119	18.375	-14.28	No Trend	0.9647
CRRMH	Summer1	S	SWTEMP	0.00	0.5631	0.014	25.750	1.18	No Trend	0.1129
CRRMH	Summer1	B	BWTEMP	0.00	0.4546	-0.016	25.500	-1.38	No Trend	0.1407
PIAMH	Summer1	S	STN	0.00	0.0004	-0.0035	0.5703	-13.64	Improving	0.3610
PIAMH	Summer1	B	BTN	0.00	0.0004	-0.0049	0.6140	-17.69	Improving	0.2231
PIAMH	Summer1	S	SDIN	8.00	0.0000	-0.0015	0.0500	-64.35	Improving	0.8259
PIAMH	Summer1	B	BDIN	8.00	0.0026	-0.0012	0.0500	-54.63	Improving	0.4237
PIAMH	Summer1	S	STP	0.00	0.2177	0.0002	0.0248	15.16	No Trend	0.9577
PIAMH	Summer1	B	BTP	0.00	0.3590	-0.0001	0.0345	-5.81	No Trend	0.7884
PIAMH	Summer1	S	SPO4F	7.00	0.0007	0.0000	0.0065	0.00	Unchanged	0.9333
PIAMH	Summer1	B	BPO4F	6.00	0.0929	0.0000	0.0080	0.00	No Trend	0.2895
PIAMH	Summer1	S	SCHLA	0.00	0.0316	0.109	7.945	30.24	No Trend	0.9772
PIAMH	Summer1	S	STSS	1.00	0.0131	-0.178	8.250	-47.46	No Trend	0.4112
PIAMH	Summer1	B	BTSS	0.00	0.0116	-0.222	19.000	-25.73	No Trend	0.8664
PIAMH	Summer1	S	SECCHI	0.00	0.0004	-0.017	1.350	-27.16	Degrading	0.3935
PIAMH	Summer1	B	BDO	0.00	0.0446	0.050	6.450	17.05	No Trend	0.2181
PIAMH	Summer1	S	SSALINITY	0.00	0.0339	-0.090	19.408	-10.20	No Trend	0.9508
PIAMH	Summer1	B	BSALINITY	0.00	0.0585	-0.080	19.990	-8.80	No Trend	0.9002
PIAMH	Summer1	S	SWTEMP	0.00	0.0935	0.046	25.100	4.07	No Trend	0.8953
PIAMH	Summer1	B	BWTEMP	0.00	0.5376	0.014	24.825	1.24	No Trend	0.9633
POCMH	Summer1	S	STN	0.00	0.0057	-0.0059	0.7598	-16.97	Improving	0.6288
POCMH	Summer1	B	BTN	0.00	0.0003	-0.0065	0.8008	-17.89	Improving	0.8561
POCMH	Summer1	S	SDIN	0.00	0.0000	-0.0013	0.0763	-37.75	Improving	0.9161
POCMH	Summer1	B	BDIN	0.00	0.0000	-0.0015	0.0690	-47.88	Improving	0.6375
POCMH	Summer1	S	STP	0.00	0.1048	-0.0003	0.0395	-16.08	No Trend	0.2357
POCMH	Summer1	B	BTP	0.00	0.0003	-0.0005	0.0468	-25.81	Improving	0.3784
POCMH	Summer1	S	SPO4F	7.00	0.0009	0.0000	0.0065	0.00	Unchanged	0.9885
POCMH	Summer1	B	BPO4F	7.00	0.0047	0.0000	0.0065	0.00	Unchanged	0.9644
POCMH	Summer1	S	SCHLA	0.00	0.4465	0.038	10.028	8.43	No Trend	0.2766
POCMH	Summer1	S	STSS	0.00	0.0057	-0.389	15.500	-55.20	Improving	0.1359
POCMH	Summer1	B	BTSS	0.00	0.0010	-0.485	21.750	-49.01	Improving	0.9503
POCMH	Summer1	S	SECCHI	0.00	0.0057	-0.007	0.750	-20.95	Degrading	0.0155
POCMH	Summer1	B	BDO	0.00	0.2246	0.012	6.725	3.89	No Trend	0.5071
POCMH	Summer1	S	SSALINITY	0.00	0.0232	-0.080	19.373	-9.03	No Trend	0.9877
POCMH	Summer1	B	BSALINITY	0.00	0.0332	-0.065	19.563	-7.35	No Trend	0.9309
POCMH	Summer1	S	SWTEMP	0.00	0.3593	0.017	25.050	1.53	No Trend	0.8118
POCMH	Summer1	B	BWTEMP	0.00	0.5073	0.011	25.025	0.93	No Trend	0.8354

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
CB5MH	Summer1	S	STN	0.00	0.0934	-0.0019	0.5861	-7.14	No Trend	0.8339
CB5MH	Summer1	B	BTN	0.00	0.0003	-0.0049	0.6479	-16.53	Improving	0.1773
CB5MH	Summer1	S	SDIN	5.00	0.0036	-0.0006	0.0470	-30.31	Improving	0.3802
CB5MH	Summer1	B	BDIN	0.00	0.1504	-0.0014	0.1625	-19.16	No Trend	0.2228
CB5MH	Summer1	S	STP	0.00	0.0224	0.0002	0.0279	14.07	No Trend	0.4392
CB5MH	Summer1	B	BTP	0.00	0.0038	0.0003	0.0464	15.79	Degrading	0.3423
CB5MH	Summer1	S	SPO4F	37.00	0.6167	0.0000	0.0050	-	High BDLs	0.1359
CB5MH	Summer1	B	BPO4F	10.00	0.1532	0.0000	0.0197	0.00	No Trend	0.5080
CB5MH	Summer1	S	SCHLA	0.00	0.0241	0.093	6.025	33.84	No Trend	0.8635
CB5MH	Summer1	S	STSS	8.00	0.5443	-0.014	5.900	-5.40	No Trend	0.3999
CB5MH	Summer1	B	BTSS	1.00	0.9887	0.001	9.625	0.32	No Trend	0.2856
CB5MH	Summer1	S	SECCHI	0.00	0.0000	-0.018	1.800	-21.83	Degrading	0.5522
CB5MH	Summer1	B	BDO	0.00	0.0753	0.030	2.975	22.45	No Trend	0.0591
CB5MH	Summer1	S	SSALINITY	0.00	0.0356	-0.076	16.495	-10.13	No Trend	0.9196
CB5MH	Summer1	B	BSALINITY	0.00	0.1670	-0.035	21.870	-3.52	No Trend	0.7529
CB5MH	Summer1	S	SWTEMP	0.00	0.8324	0.003	25.400	0.29	No Trend	0.9755
CB5MH	Summer1	B	BWTEMP	0.00	0.9101	0.002	23.875	0.17	No Trend	0.9344
CB6PH	Summer1	S	STN	0.00	0.0022	-0.0024	0.5168	-10.08	Improving	0.4379
CB6PH	Summer1	B	BTN	0.00	0.0000	-0.0059	0.5639	-23.04	Improving	0.4027
CB6PH	Summer1	S	SDIN	3.00	0.4773	0.0000	0.0416	0.00	No Trend	0.4426
CB6PH	Summer1	B	BDIN	1.00	0.4635	-0.0004	0.1039	-7.72	No Trend	0.0772
CB6PH	Summer1	S	STP	0.00	0.2594	0.0001	0.0283	6.74	No Trend	0.8918
CB6PH	Summer1	B	BTP	0.00	0.5443	-0.0001	0.0523	-3.38	No Trend	0.1023
CB6PH	Summer1	S	SPO4F	45.00	0.0860	0.0000	0.0050	-	High BDLs	0.7153
CB6PH	Summer1	B	BPO4F	7.00	0.2360	0.0000	0.0221	0.00	No Trend	0.7065
CB6PH	Summer1	S	SCHLA	5.00	0.0259	0.103	6.316	35.84	No Trend	0.2876
CB6PH	Summer1	S	STSS	7.00	0.0907	-0.082	8.275	-21.69	No Trend	0.3782
CB6PH	Summer1	B	BTSS	0.00	0.1670	-0.183	15.125	-26.57	No Trend	0.2820
CB6PH	Summer1	S	SECCHI	0.00	0.0000	-0.025	1.825	-30.14	Degrading	0.9676
CB6PH	Summer1	B	BDO	0.00	0.0731	0.041	4.575	19.66	No Trend	0.3511
CB6PH	Summer1	S	SSALINITY	0.00	0.0757	-0.068	20.450	-7.31	No Trend	0.9050
CB6PH	Summer1	B	BSALINITY	0.00	0.0880	-0.049	24.855	-4.33	No Trend	0.7322
CB6PH	Summer1	S	SWTEMP	0.00	0.8434	0.003	25.800	0.24	No Trend	0.8986
CB6PH	Summer1	B	BWTEMP	0.00	0.9102	0.001	24.700	0.13	No Trend	0.9544
CB7PH	Summer1	S	STN	0.00	0.0044	-0.0033	0.4738	-15.17	Improving	0.1357
CB7PH	Summer1	B	BTN	0.00	0.0000	-0.0076	0.5947	-28.10	Improving	0.0283
CB7PH	Summer1	S	SDIN	15.00	0.2634	0.0000	0.0400	-	No Trend	0.2382
CB7PH	Summer1	B	BDIN	7.00	0.1994	-0.0007	0.0930	-16.12	No Trend	0.0074
CB7PH	Summer1	S	STP	0.00	0.1944	-0.0001	0.0285	-7.38	No Trend	0.7028
CB7PH	Summer1	B	BTP	0.00	-	-	0.0560	-16.17	-	-
CB7PH	Summer1	S	SPO4F	55.00	0.0056	0.0000	0.0050	-	High BDLs	0.3561
CB7PH	Summer1	B	BPO4F	21.00	0.0000	-0.0002	0.0190	-	Improving	0.3355
CB7PH	Summer1	S	SCHLA	10.00	0.0014	0.124	4.620	59.01	Degrading	0.8187
CB7PH	Summer1	S	STSS	13.00	0.0803	-0.068	7.413	-20.15	No Trend	0.3275
CB7PH	Summer1	B	BTSS	2.00	0.0193	-0.294	18.000	-35.90	No Trend	0.0789
CB7PH	Summer1	S	SECCHI	0.00	0.0000	-0.030	1.950	-33.85	Degrading	0.4894
CB7PH	Summer1	B	BDO	0.00	0.1755	0.019	5.825	7.17	No Trend	0.6784
CB7PH	Summer1	S	SSALINITY	0.00	0.0829	-0.062	21.763	-6.30	No Trend	0.9852
CB7PH	Summer1	B	BSALINITY	0.00	0.1759	-0.036	25.545	-3.11	No Trend	0.8361
CB7PH	Summer1	S	SWTEMP	0.00	0.4803	0.012	25.800	0.99	No Trend	0.8007
CB7PH	Summer1	B	BWTEMP	0.00	1.0000	0.000	24.700	0.00	No Trend	0.7617

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
CB8PH	Summer1	S	STN	0.00	0.1504	-0.0015	0.4650	-7.26	No Trend	0.8772
CB8PH	Summer1	B	BTN	0.00	0.0551	-0.0028	0.4750	-13.08	No Trend	0.4362
CB8PH	Summer1	S	SDIN	11.00	0.0021	0.0000	0.0167	2.25	Degrading	0.0262
CB8PH	Summer1	B	BDIN	4.00	0.4375	0.0002	0.0359	11.50	No Trend	0.1889
CB8PH	Summer1	S	STP	0.00	0.0010	-0.0004	0.0438	-19.59	Improving	0.9014
CB8PH	Summer1	B	BTP	0.00	0.0000	-0.0008	0.0513	-34.39	Improving	0.9089
CB8PH	Summer1	S	SPO4F	7.00	0.0000	0.0000	0.0136	0.00	Unchanged	0.3275
CB8PH	Summer1	B	BPO4F	1.00	0.0000	-0.0005	0.0201	-55.74	Improving	0.8380
CB8PH	Summer1	S	SCHLA	7.00	0.0002	0.133	4.318	67.93	Degrading	0.2270
CB8PH	Summer1	S	STSS	5.00	0.0268	0.087	7.000	27.37	No Trend	0.5970
CB8PH	Summer1	B	BTSS	1.00	0.8435	0.013	10.825	2.66	No Trend	0.7979
CB8PH	Summer1	S	SECCHI	0.00	0.0000	-0.042	2.200	-41.67	Degrading	0.9224
CB8PH	Summer1	B	BDO	0.00	0.0012	0.032	6.250	11.19	Improving	0.7834
CB8PH	Summer1	S	SSALINITY	0.00	0.0012	-0.118	25.648	-10.15	Decreasing	0.9009
CB8PH	Summer1	B	BSALINITY	0.00	0.0037	-0.060	29.840	-4.45	Decreasing	0.8995
CB8PH	Summer1	S	SWTEMP	0.00	0.5821	0.014	24.900	1.24	No Trend	0.7916
CB8PH	Summer1	B	BWTEMP	0.00	0.4297	0.028	22.275	2.80	No Trend	0.9371
APPTF	Summer2	S	SCHLA	0.00	0.0927	-0.782	47.230	-36.44	No Trend	0.3108
APPTF	Summer2	S	STSS	0.00	0.5470	0.143	24.500	11.08	No Trend	0.8099
APPTF	Summer2	B	BTSS	0.00	0.6712	-0.189	32.250	-11.15	No Trend	0.7046
APPTF	Summer2	S	SECCHI	0.00	0.0000	-0.008	0.500	-33.42	Degrading	0.9131
APPTF	Summer2	B	BDO	0.00	0.0040	0.050	6.700	16.42	Improving	0.4850
APPTF	Summer2	S	SSALINITY	0.00	0.5920	0.000	0.010	0.00	No Trend	0.3687
APPTF	Summer2	B	BSALINITY	0.00	0.4815	0.000	0.010	0.00	No Trend	0.3273
APPTF	Summer2	S	SWTEMP	0.00	0.0475	0.082	25.625	7.01	No Trend	0.3408
APPTF	Summer2	B	BWTEMP	0.00	0.1254	0.069	25.125	6.07	No Trend	0.4085
JMSTF1	Summer2	S	SCHLA	0.00	0.2972	-0.370	26.753	-30.42	No Trend	0.9219
JMSTF1	Summer2	S	STSS	0.00	0.0806	0.333	19.250	32.90	No Trend	0.1761
JMSTF1	Summer2	B	BTSS	0.00	0.2266	1.000	30.000	63.33	No Trend	0.8023
JMSTF1	Summer2	S	SECCHI	0.00	0.0000	-0.012	0.675	-37.61	Degrading	0.8858
JMSTF1	Summer2	B	BDO	0.00	0.0645	0.028	6.400	9.72	No Trend	0.8342
JMSTF1	Summer2	S	SSALINITY	0.00	0.4502	0.000	0.133	0.00	No Trend	0.9164
JMSTF1	Summer2	B	BSALINITY	0.00	0.8331	0.000	0.158	0.00	No Trend	0.9747
JMSTF1	Summer2	S	SWTEMP	0.00	0.6837	0.011	24.875	0.96	No Trend	0.2964
JMSTF1	Summer2	B	BWTEMP	0.00	0.6410	0.018	25.000	1.57	No Trend	0.2824
JMSTF2	Summer2	S	SCHLA	6.00	0.2959	0.000	4.643	0.00	No Trend	0.9126
JMSTF2	Summer2	S	STSS	0.00	0.8832	0.000	10.000	0.00	No Trend	0.0118
JMSTF2	Summer2	B	BTSS	0.00	0.0128	0.571	14.000	77.55	No Trend	0.8285
JMSTF2	Summer2	S	SECCHI	0.00	0.0026	-0.019	1.000	-42.78	Degrading	0.4110
JMSTF2	Summer2	B	BDO	0.00	0.0770	0.025	6.200	8.87	No Trend	0.8213
JMSTF2	Summer2	S	SSALINITY	0.00	0.5961	0.000	0.010	0.00	No Trend	0.1861
JMSTF2	Summer2	B	BSALINITY	0.00	0.5879	0.000	0.010	0.00	No Trend	0.3742
JMSTF2	Summer2	S	SWTEMP	0.00	0.3791	0.027	26.300	2.23	No Trend	0.5873
JMSTF2	Summer2	B	BWTEMP	0.00	0.3428	0.038	25.375	3.31	No Trend	0.6233
CHKOH	Summer2	S	SCHLA	0.00	0.0001	-0.703	29.450	-45.32	Improving	0.6792
CHKOH	Summer2	S	STSS	0.00	0.0107	0.500	17.250	55.07	No Trend	0.8116
CHKOH	Summer2	B	BTSS	0.00	0.0016	2.261	36.250	118.53	Degrading	0.9141
CHKOH	Summer2	S	SECCHI	0.00	0.0000	-0.016	0.650	-47.20	Degrading	0.8069
CHKOH	Summer2	B	BDO	0.00	0.9338	0.000	5.750	0.00	No Trend	0.6978
CHKOH	Summer2	S	SSALINITY	0.00	0.1031	0.000	0.010	0.00	No Trend	0.4816
CHKOH	Summer2	B	BSALINITY	0.00	0.0907	0.000	0.010	0.00	No Trend	0.4950
CHKOH	Summer2	S	SWTEMP	0.00	0.4810	0.035	26.925	2.50	No Trend	0.2859
CHKOH	Summer2	B	BWTEMP	0.00	0.4306	0.026	26.775	1.86	No Trend	0.2827

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
JMSOH	Summer2	S	SCHLA	0.00	0.7571	-0.015	8.070	-4.09	No Trend	0.9677
JMSOH	Summer2	S	STSS	0.00	0.5339	0.115	26.000	8.43	No Trend	0.1024
JMSOH	Summer2	B	BTSS	0.00	0.3027	0.500	57.250	16.59	No Trend	0.8923
JMSOH	Summer2	S	SECCHI	0.00	0.0268	-0.007	0.700	-22.45	No Trend	0.8351
JMSOH	Summer2	B	BDO	0.00	0.3197	-0.009	6.975	-2.87	No Trend	0.1991
JMSOH	Summer2	S	SSALINITY	0.00	0.6023	-0.046	6.410	-15.69	No Trend	0.9653
JMSOH	Summer2	B	BSALINITY	0.00	0.6023	-0.020	7.100	-6.20	No Trend	0.9532
JMSOH	Summer2	S	SWTEMP	0.00	0.9740	0.000	26.050	0.00	No Trend	0.5889
JMSOH	Summer2	B	BWTEMP	0.00	0.9481	-0.001	25.900	-0.12	No Trend	0.7353
JMSMH	Summer2	S	SCHLA	1.00	0.0054	0.084	4.280	43.37	Degrading	0.0468
JMSMH	Summer2	S	STSS	1.00	0.8407	0.000	12.000	0.00	No Trend	0.7431
JMSMH	Summer2	B	BTSS	0.00	0.0067	1.000	20.250	93.83	Degrading	0.0851
JMSMH	Summer2	S	SECCHI	0.00	0.1045	-0.006	1.100	-12.50	No Trend	0.3243
JMSMH	Summer2	B	BDO	0.00	0.2609	0.012	6.000	4.52	No Trend	0.1506
JMSMH	Summer2	S	SSALINITY	0.00	0.2411	-0.089	18.363	-10.65	No Trend	0.8217
JMSMH	Summer2	B	BSALINITY	0.00	0.1105	-0.072	20.418	-7.79	No Trend	0.9484
JMSMH	Summer2	S	SWTEMP	0.00	0.6135	-0.013	25.900	-1.15	No Trend	0.6798
JMSMH	Summer2	B	BWTEMP	0.00	0.7200	-0.009	25.550	-0.73	No Trend	0.8122
JMSPH	Summer2	S	SCHLA	3.00	0.0001	0.246	3.850	140.34	Degrading	0.8263
JMSPH	Summer2	S	STSS	0.00	0.9351	0.002	9.775	0.50	No Trend	0.5814
JMSPH	Summer2	B	BTSS	0.00	0.2158	-0.204	17.950	-25.06	No Trend	0.9576
JMSPH	Summer2	S	SECCHI	0.00	0.0001	-0.015	1.250	-27.08	Degrading	0.8640
JMSPH	Summer2	B	BDO	0.00	0.0000	0.056	5.900	20.82	Improving	0.6992
JMSPH	Summer2	S	SSALINITY	0.00	0.0079	-0.132	24.025	-12.10	Decreasing	0.9745
JMSPH	Summer2	B	BSALINITY	0.00	0.0000	-0.215	25.828	-18.35	Decreasing	0.5422
JMSPH	Summer2	S	SWTEMP	0.00	0.3123	-0.017	26.150	-1.45	No Trend	0.7130
JMSPH	Summer2	B	BWTEMP	0.00	0.0059	0.071	23.375	6.71	Increasing	0.2826
WBEMH	Summer2	S	STN	0.00	0.2086	0.0053	0.848	11.27	No Trend	0.9139
WBEMH	Summer2	B	BTN	0.00	0.6278	0.0026	0.899	5.12	No Trend	0.2579
WBEMH	Summer2	S	SDIN	4.05	0.9642	0.0004	0.22835	3.15	No Trend	0.5851
WBEMH	Summer2	B	BDIN	1.32	0.7101	-0.0012	0.25305	-8.54	No Trend	0.5623
WBEMH	Summer2	S	STP	0.00	0.3221	-0.0009	0.141	-11.36	No Trend	0.8910
WBEMH	Summer2	B	BTP	0.00	0.1160	-0.0018	0.16	-19.86	No Trend	0.8903
WBEMH	Summer2	S	SPO4F	0.00	0.0421	-0.0011	0.0775	-24.39	No Trend	0.6091
WBEMH	Summer2	B	BPO4F	1.30	0.0836	-0.0011	0.0805	-24.60	No Trend	0.9343
WBEMH	Summer2	S	SCHLA	0.00	0.9242	-0.0042	25.6	-0.30	No Trend	0.3256
WBEMH	Summer2	S	STSS	0.00	0.8311	-0.1000	28.75	-6.26	No Trend	0.2368
WBEMH	Summer2	B	BTSS	0.00	0.1928	-0.5810	45.4	-23.03	No Trend	0.7259
WBEMH	Summer2	S	SECCHI	0.00	0.1017	0.0031	0.45	12.50	No Trend	0.7628
WBEMH	Summer2	B	BDO	0.00	0.4611	0.0173	4.4	7.08	No Trend	0.4626
WBEMH	Summer2	S	SSALINITY	0.00	0.8398	-0.0255	17.5	-2.62	No Trend	0.7346
WBEMH	Summer2	B	BSALINITY	0.00	0.6126	-0.0378	17.55	-3.88	No Trend	0.8342
WBEMH	Summer2	B	BWTEMP	0.00	0.4203	0.0310	27.25	2.05	No Trend	0.7793
WBEMH	Summer2	S	SWTEMP	0.00	0.6054	0.0167	27.55	1.09	No Trend	0.4440
SBEMH	Summer2	S	STN	0.00	0.1507	-0.0089	1.294	-12.33	No Trend	0.0728
SBEMH	Summer2	B	BTN	0.00	0.2267	-0.0053	1.2385	-7.66	No Trend	0.7406
SBEMH	Summer2	S	SDIN	0.00	0.1313	-0.0068	0.714	-17.02	No Trend	0.8865
SBEMH	Summer2	B	BDIN	0.00	0.7101	-0.0019	0.7213	-4.65	No Trend	0.3512
SBEMH	Summer2	S	STP	0.00	0.0456	-0.0014	0.11525	-22.60	No Trend	0.5851
SBEMH	Summer2	B	BTP	0.00	0.0001	-0.0023	0.13825	-30.49	Improving	0.6603
SBEMH	Summer2	S	SPO4F	0.00	0.0661	-0.0012	0.0815	-26.50	No Trend	0.7577
SBEMH	Summer2	B	BPO4F	0.00	0.0134	-0.0016	0.09775	-29.18	No Trend	0.7076

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
SBEMH	Summer2	S	SCHLA	3.96	0.1970	-0.1302	9.025	-25.97	No Trend	0.9478
SBEMH	Summer2	S	STSS	0.00	0.0623	-0.1882	9.45	-35.85	No Trend	0.9228
SBEMH	Summer2	B	BTSS	0.00	0.0009	-0.6448	14.25	-81.45	Improving	0.9300
SBEMH	Summer2	S	SECCHI	0.00	0.0382	0.0125	0.85	26.47	No Trend	0.5364
SBEMH	Summer2	B	BDO	0.00	0.0255	0.0706	2.55	49.85	No Trend	0.8727
SBEMH	Summer2	S	SSALINITY	0.00	0.3811	0.0802	17.125	8.43	No Trend	0.5801
SBEMH	Summer2	B	BSALINITY	0.00	0.8902	-0.0183	17.975	-1.84	No Trend	0.6546
SBEMH	Summer2	B	BWTEMP	0.00	0.1469	0.0826	26.95	5.52	No Trend	0.3964
SBEMH	Summer2	S	SWTEMP	0.00	0.8049	0.0129	28.95	0.80	No Trend	0.2485
EBEMH	Summer2	S	STN	0.00	0.7392	0.0024	1.107	3.97	No Trend	0.1944
EBEMH	Summer2	B	BTN	0.00	0.9284	-0.0006	1.0805	-1.06	No Trend	0.1551
EBEMH	Summer2	S	SDIN	0.00	0.3040	-0.0038	0.5228	-13.22	No Trend	0.1040
EBEMH	Summer2	B	BDIN	0.00	0.4440	-0.0036	0.56905	-11.23	No Trend	0.3614
EBEMH	Summer2	S	STP	0.00	0.7099	-0.0002	0.1135	-3.17	No Trend	0.5012
EBEMH	Summer2	B	BTP	0.00	0.0420	-0.0011	0.125	-15.95	No Trend	0.5258
EBEMH	Summer2	S	SPO4F	0.00	0.2390	-0.0007	0.0815	-14.65	No Trend	0.8018
EBEMH	Summer2	B	BPO4F	0.00	0.2711	-0.0008	0.089	-15.21	No Trend	0.2667
EBEMH	Summer2	S	SCHLA	2.00	0.0964	0.1506	4.3	63.04	No Trend	0.3867
EBEMH	Summer2	S	STSS	0.00	0.3232	-0.1171	13.35	-15.79	No Trend	0.0066
EBEMH	Summer2	B	BTSS	0.00	0.6054	-0.1369	12.85	-19.17	No Trend	0.9063
EBEMH	Summer2	S	SECCHI	0.00	0.9273	0.0000	0.9	0.00	No Trend	0.0473
EBEMH	Summer2	B	BDO	0.00	0.0322	0.0590	3	35.43	No Trend	0.7923
EBEMH	Summer2	S	SSALINITY	0.00	0.9284	0.0089	17.95	0.89	No Trend	0.5474
EBEMH	Summer2	B	BSALINITY	0.00	0.6785	-0.0247	18.4	-2.41	No Trend	0.8512
EBEMH	Summer2	B	BWTEMP	0.00	0.3692	0.0193	26.45	1.31	No Trend	0.4661
EBEMH	Summer2	S	SWTEMP	0.00	0.6696	0.0235	26.8	1.58	No Trend	0.2241
LAFMH	Summer2	S	STN	0.00	0.0710	0.0140	0.658875	19.12	No Trend	0.9575
LAFMH	Summer2	B	BTN	0.00	0.7180	0.0032	0.7295	3.92	No Trend	0.5682
LAFMH	Summer2	S	SDIN	10.42	1.0000	0.0002	0.143	1.39	No Trend	0.4345
LAFMH	Summer2	B	BDIN	5.88	0.7040	0.0032	0.1395	20.80	No Trend	0.8777
LAFMH	Summer2	S	STP	0.00	0.0161	0.0045	0.085225	47.65	No Trend	0.6381
LAFMH	Summer2	B	BTP	0.00	0.5465	0.0013	0.101675	11.51	No Trend	0.8264
LAFMH	Summer2	S	SPO4F	0.00	0.1471	0.0017	0.038	39.76	No Trend	0.5029
LAFMH	Summer2	B	BPO4F	0.00	0.2777	0.0013	0.0375	32.00	No Trend	0.4367
LAFMH	Summer2	S	SCHLA	0.00	0.2053	0.7571	10.0625	67.71	No Trend	0.9214
LAFMH	Summer2	S	STSS	0.00	0.3090	0.7071	21.5	29.60	No Trend	0.8256
LAFMH	Summer2	B	BTSS	0.00	0.6543	0.1313	34.25	3.45	No Trend	0.8281
LAFMH	Summer2	S	SECCHI	0.00	0.9510	0.0000	0.55	0.00	No Trend	0.9520
LAFMH	Summer2	B	BDO	0.00	0.0161	0.1238	4.8925	22.76	No Trend	0.9437
LAFMH	Summer2	S	SSALINITY	0.00	0.7180	0.1758	18.2	8.70	No Trend	0.8404
LAFMH	Summer2	B	BSALINITY	0.00	0.9038	0.0492	19.075	2.32	No Trend	0.8928
LAFMH	Summer2	B	BWTEMP	0.00	0.0919	0.1977	25.48	6.98	No Trend	0.5362
LAFMH	Summer2	S	SWTEMP	0.00	0.0710	0.2332	25.3375	8.28	No Trend	0.2001
ELIPH	Summer2	S	SCHLA	0.56	0.2282	0.0840	7.6275	24.24	No Trend	0.5657
ELIPH	Summer2	S	STSS	0.00	0.0007	-0.3929	16.35	-45.65	Improving	0.8083
ELIPH	Summer2	B	BTSS	0.00	0.0276	-0.4400	19	-44.00	No Trend	0.3190
ELIPH	Summer2	S	SECCHI	0.00	0.0077	-0.0071	1.125	-13.97	DEGRADING	0.5916
ELIPH	Summer2	B	BDO	0.00	0.3125	0.0154	4.875	6.96	No Trend	0.0666
ELIPH	Summer2	S	SSALINITY	0.00	0.0146	-0.1510	24.0675	-13.80	No Trend	0.9301
ELIPH	Summer2	B	BSALINITY	0.00	0.0010	-0.1615	25.38	-14.00	Decreasing	0.8501
ELIPH	Summer2	B	BWTEMP	0.00	0.9092	0.0034	24.925	0.30	No Trend	0.3415
ELIPH	Summer2	S	SWTEMP	0.00	0.9222	-0.0014	25.8	-0.12	No Trend	0.4859

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
PMKTF	Summer2	S	SCHLA	2.00	0.0293	-0.088	6.118	-31.68	No Trend	0.1255
PMKTF	Summer2	S	STSS	0.00	0.4044	0.133	12.250	20.68	No Trend	0.6025
PMKTF	Summer2	B	BTSS	0.00	0.0798	-0.607	18.000	-64.09	No Trend	0.2806
PMKTF	Summer2	S	SECCHI	0.00	0.6532	0.000	0.600	0.00	No Trend	0.2410
PMKTF	Summer2	B	BDO	0.00	0.0787	0.025	5.075	10.84	No Trend	0.8286
PMKTF	Summer2	S	SSALINITY	0.00	0.0570	0.000	0.010	0.00	No Trend	0.6210
PMKTF	Summer2	B	BSALINITY	0.00	0.0791	0.000	0.010	0.00	No Trend	0.7524
PMKTF	Summer2	S	SWTEMP	0.00	0.0051	0.087	25.500	7.53	Increasing	0.2819
PMKTF	Summer2	B	BWTEMP	0.00	0.0135	0.093	26.000	7.86	No Trend	0.2616
PMKOH	Summer2	S	SCHLA	0.00	0.6896	-0.032	10.475	-6.67	No Trend	0.3736
PMKOH	Summer2	S	STSS	1.00	0.1006	-0.682	19.000	-78.95	No Trend	0.5001
PMKOH	Summer2	B	BTSS	0.00	0.0485	-3.700	182.750	-38.47	No Trend	0.8601
PMKOH	Summer2	S	SECCHI	0.00	0.1228	0.003	0.450	12.87	No Trend	0.9486
PMKOH	Summer2	B	BDO	0.00	0.7539	-0.004	4.725	-2.00	No Trend	0.7540
PMKOH	Summer2	S	SSALINITY	0.00	0.8619	0.015	6.680	4.94	No Trend	0.4390
PMKOH	Summer2	B	BSALINITY	0.00	0.7723	0.033	7.168	9.98	No Trend	0.5055
PMKOH	Summer2	S	SWTEMP	0.00	0.1850	0.030	26.475	2.47	No Trend	0.3719
PMKOH	Summer2	B	BWTEMP	0.00	0.0958	0.029	26.375	2.39	No Trend	0.3156
MPNTF	Summer2	S	SCHLA	0.00	0.0605	-0.051	8.588	-13.07	No Trend	0.9948
MPNTF	Summer2	S	STSS	0.00	0.1846	0.000	5.500	0.00	No Trend	0.1579
MPNTF	Summer2	B	BTSS	0.00	0.1317	-0.080	8.000	-19.03	No Trend	0.1354
MPNTF	Summer2	S	SECCHI	0.00	0.3355	-0.004	0.875	-9.67	No Trend	0.0238
MPNTF	Summer2	B	BDO	0.00	0.4022	0.009	5.450	3.67	No Trend	0.7466
MPNTF	Summer2	S	SSALINITY	0.00	0.4892	0.000	0.010	0.00	No Trend	0.9357
MPNTF	Summer2	B	BSALINITY	0.00	0.5186	0.000	0.010	0.00	No Trend	0.8973
MPNTF	Summer2	S	SWTEMP	0.00	0.0011	0.141	25.625	12.14	Increasing	0.2755
MPNTF	Summer2	B	BWTEMP	0.00	0.0055	0.120	26.500	9.96	Increasing	0.5270
MPNOH	Summer2	S	SCHLA	0.00	0.4212	-0.070	9.768	-15.69	No Trend	0.6958
MPNOH	Summer2	S	STSS	0.00	0.7150	-0.077	14.500	-11.67	No Trend	0.9163
MPNOH	Summer2	B	BTSS	0.00	0.7361	0.380	36.000	20.05	No Trend	0.2624
MPNOH	Summer2	S	SECCHI	0.00	0.1066	0.000	0.600	0.00	No Trend	0.8401
MPNOH	Summer2	B	BDO	0.00	0.5917	0.006	4.950	2.59	No Trend	0.8111
MPNOH	Summer2	S	SSALINITY	0.00	0.2686	0.091	7.838	25.65	No Trend	0.5621
MPNOH	Summer2	B	BSALINITY	0.00	0.2497	0.113	8.230	30.34	No Trend	0.7221
MPNOH	Summer2	S	SWTEMP	0.00	0.0337	0.057	26.575	4.69	No Trend	0.6618
MPNOH	Summer2	B	BWTEMP	0.00	0.1163	0.044	26.350	3.68	No Trend	0.3787
YRKMH	Summer2	S	SCHLA	0.00	0.5944	-0.030	10.168	-6.47	No Trend	0.4641
YRKMH	Summer2	S	STSS	0.00	0.1647	-0.268	22.500	-22.62	No Trend	0.4270
YRKMH	Summer2	B	BTSS	0.00	0.6044	0.300	38.250	14.90	No Trend	0.1382
YRKMH	Summer2	S	SECCHI	0.00	0.5312	0.000	0.575	0.00	No Trend	0.8187
YRKMH	Summer2	B	BDO	0.00	0.5171	-0.010	5.250	-4.19	No Trend	0.3364
YRKMH	Summer2	S	SSALINITY	0.00	0.0647	-0.138	16.045	-18.98	No Trend	0.7596
YRKMH	Summer2	B	BSALINITY	0.00	0.0672	-0.094	17.115	-12.11	No Trend	0.5594
YRKMH	Summer2	S	SWTEMP	0.00	0.1065	0.035	26.150	2.91	No Trend	0.3392
YRKMH	Summer2	B	BWTEMP	0.00	0.0775	0.034	25.975	2.84	No Trend	0.0387
YRKPH	Summer2	S	SCHLA	0.00	0.0151	0.117	7.875	32.80	No Trend	0.9848
YRKPH	Summer2	S	STSS	1.00	0.9708	0.000	6.500	0.00	No Trend	0.7914
YRKPH	Summer2	B	BTSS	0.00	0.1375	0.388	19.250	38.25	No Trend	0.3758
YRKPH	Summer2	S	SECCHI	0.00	0.0368	-0.007	1.175	-13.37	No Trend	0.8368
YRKPH	Summer2	B	BDO	0.00	0.7592	-0.009	4.900	-3.96	No Trend	0.1790
YRKPH	Summer2	S	SSALINITY	0.00	0.0005	-0.200	23.058	-19.08	Decreasing	0.9574
YRKPH	Summer2	B	BSALINITY	0.00	0.0207	-0.105	23.888	-9.71	No Trend	0.7467
YRKPH	Summer2	S	SWTEMP	0.00	0.7856	0.005	25.875	0.39	No Trend	0.6308
YRKPH	Summer2	B	BWTEMP	0.00	0.8547	0.008	24.925	0.70	No Trend	0.5460

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
MOBPH	Summer2	S	STN	0.00	0.0208	-0.0025	0.5758	-9.55	No Trend	0.8802
MOBPH	Summer2	B	BTN	0.00	0.0001	-0.0048	0.5985	-17.77	Improving	0.9780
MOBPH	Summer2	S	SDIN	0.00	0.0389	0.0000	0.0413	0.00	No Trend	0.6329
MOBPH	Summer2	B	BDIN	0.00	0.2201	-0.0004	0.0588	-16.23	No Trend	0.3811
MOBPH	Summer2	S	STP	0.00	0.1613	0.0002	0.0345	13.21	No Trend	0.9654
MOBPH	Summer2	B	BTP	0.00	0.6839	-0.0001	0.0475	-2.65	No Trend	0.7267
MOBPH	Summer2	S	SPO4F	17.00	0.1569	0.0000	0.0065	-	No Trend	0.3773
MOBPH	Summer2	B	BPO4F	13.00	0.6226	0.0000	0.0123	0.00	No Trend	0.3935
MOBPH	Summer2	S	SCHLA	0.00	0.0304	0.126	8.023	34.59	No Trend	0.8685
MOBPH	Summer2	S	STSS	1.00	0.0021	-0.350	15.500	-49.68	Improving	0.9057
MOBPH	Summer2	B	BTSS	1.00	0.0017	-0.420	23.900	-38.67	Improving	0.6802
MOBPH	Summer2	S	SECCHI	0.00	0.0001	-0.015	1.175	-27.53	Degrading	0.6440
MOBPH	Summer2	B	BDO	0.00	0.0096	0.043	5.475	17.20	Improving	0.0631
MOBPH	Summer2	S	SSALINITY	0.00	0.0056	-0.121	23.008	-11.55	Decreasing	0.9871
MOBPH	Summer2	B	BSALINITY	0.00	0.0174	-0.116	23.378	-10.87	No Trend	0.7590
MOBPH	Summer2	S	SWTEMP	0.00	0.1519	0.036	26.425	3.03	No Trend	0.6185
MOBPH	Summer2	B	BWTEMP	0.00	0.0633	0.043	25.425	3.70	No Trend	0.7342
RPPTF	Summer2	S	SCHLA	0.00	0.2754	-0.385	26.660	-31.79	No Trend	0.6005
RPPTF	Summer2	S	STSS	0.00	0.2749	-0.143	25.750	-10.54	No Trend	0.3410
RPPTF	Summer2	B	BTSS	0.00	0.7772	-0.136	33.250	-7.79	No Trend	0.8217
RPPTF	Summer2	S	SECCHI	0.00	0.8134	0.000	0.400	0.00	No Trend	0.2832
RPPTF	Summer2	B	BDO	0.00	0.0534	-0.032	6.975	-9.99	No Trend	0.7027
RPPTF	Summer2	S	SSALINITY	0.00	0.0003	0.000	0.010	0.00	Unchanged	0.7284
RPPTF	Summer2	B	BSALINITY	0.00	0.0002	0.000	0.010	0.00	Unchanged	0.3020
RPPTF	Summer2	S	SWTEMP	0.00	0.4539	0.029	26.250	2.39	No Trend	0.1067
RPPTF	Summer2	B	BWTEMP	0.00	0.3969	0.033	26.000	2.76	No Trend	0.1017
RPPOH	Summer2	S	SCHLA	0.00	0.0001	0.544	9.905	120.82	Degrading	0.8890
RPPOH	Summer2	S	STSS	0.00	0.2454	-0.235	18.500	-24.17	No Trend	0.6132
RPPOH	Summer2	B	BTSS	0.00	0.2629	0.389	30.000	24.63	No Trend	0.7704
RPPOH	Summer2	S	SECCHI	0.00	0.0003	-0.010	0.675	-32.59	Degrading	0.5503
RPPOH	Summer2	B	BDO	0.00	0.0669	0.026	6.125	9.28	No Trend	0.5122
RPPOH	Summer2	S	SSALINITY	0.00	0.0893	-0.057	5.135	-24.48	No Trend	0.8448
RPPOH	Summer2	B	BSALINITY	0.00	0.1809	-0.050	5.495	-20.02	No Trend	0.4938
RPPOH	Summer2	S	SWTEMP	0.00	0.0355	0.058	27.525	4.62	No Trend	0.1931
RPPOH	Summer2	B	BWTEMP	0.00	0.0809	0.045	27.425	3.63	No Trend	0.1664
RPPMH	Summer2	S	SCHLA	0.00	0.0023	0.181	8.038	49.54	Degrading	0.2627
RPPMH	Summer2	S	STSS	5.00	0.0087	-0.238	8.500	-61.54	Improving	0.2946
RPPMH	Summer2	B	BTSS	0.00	0.2402	-0.285	12.750	-49.25	No Trend	0.1269
RPPMH	Summer2	S	SECCHI	0.00	0.4900	0.000	1.050	0.00	No Trend	0.0358
RPPMH	Summer2	B	BDO	0.00	0.6484	-0.009	5.375	-3.82	No Trend	0.3350
RPPMH	Summer2	S	SSALINITY	0.00	0.0076	-0.150	18.068	-18.26	Decreasing	0.9871
RPPMH	Summer2	B	BSALINITY	0.00	0.0844	-0.084	18.853	-9.80	No Trend	0.7148
RPPMH	Summer2	S	SWTEMP	0.00	0.6022	0.010	26.400	0.83	No Trend	0.1050
RPPMH	Summer2	B	BWTEMP	0.00	0.9350	0.000	26.075	0.00	No Trend	0.3191
CRRMH	Summer2	S	SCHLA	0.00	0.8196	0.019	11.240	3.63	No Trend	0.5828
CRRMH	Summer2	S	STSS	1.00	0.0000	-0.167	9.000	-40.74	Improving	0.6126
CRRMH	Summer2	B	BTSS	0.00	0.0024	-0.300	16.000	-39.38	Improving	0.5237
CRRMH	Summer2	S	SECCHI	0.00	0.0225	-0.011	1.575	-15.82	No Trend	0.0595
CRRMH	Summer2	B	BDO	0.00	0.3447	-0.023	4.600	-11.04	No Trend	0.8597
CRRMH	Summer2	S	SSALINITY	0.00	0.0020	-0.176	18.773	-20.66	Decreasing	0.9763
CRRMH	Summer2	B	BSALINITY	0.00	0.0160	-0.136	19.128	-15.69	No Trend	0.9982
CRRMH	Summer2	S	SWTEMP	0.00	0.2345	0.025	27.100	1.99	No Trend	0.1299
CRRMH	Summer2	B	BWTEMP	0.00	0.9221	0.000	26.550	0.00	No Trend	0.1971

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
PIAMH	Summer2	S	STN	0.00	0.0003	-0.0039	0.5780	-14.80	Improving	0.4220
PIAMH	Summer2	B	BTN	0.00	0.0001	-0.0055	0.6475	-18.72	Improving	0.3623
PIAMH	Summer2	S	SDIN	6.00	0.0000	-0.0015	0.0500	-67.28	Improving	0.9485
PIAMH	Summer2	B	BDIN	6.00	0.0006	-0.0015	0.0723	-46.76	Improving	0.9988
PIAMH	Summer2	S	STP	0.00	0.3344	0.0002	0.0243	16.61	No Trend	0.8728
PIAMH	Summer2	B	BTP	0.00	0.3778	-0.0001	0.0398	-5.14	No Trend	0.5989
PIAMH	Summer2	S	SPO4F	5.00	0.0019	0.0000	0.0080	0.00	Unchanged	0.8743
PIAMH	Summer2	B	BPO4F	4.00	0.1753	0.0000	0.0085	0.00	No Trend	0.1721
PIAMH	Summer2	S	SCHLA	0.00	0.0778	0.108	7.945	29.81	No Trend	0.9205
PIAMH	Summer2	S	STSS	1.00	0.0089	-0.194	9.000	-47.52	Improving	0.3646
PIAMH	Summer2	B	BTSS	0.00	0.0722	-0.202	19.000	-23.44	No Trend	0.9242
PIAMH	Summer2	S	SECCHI	0.00	0.0240	-0.012	1.350	-19.17	No Trend	0.8132
PIAMH	Summer2	B	BDO	0.00	0.0405	0.056	5.925	20.70	No Trend	0.1315
PIAMH	Summer2	S	SSALINITY	0.00	0.0346	-0.096	19.408	-10.92	No Trend	0.9758
PIAMH	Summer2	B	BSALINITY	0.00	0.1178	-0.080	20.138	-8.74	No Trend	0.7554
PIAMH	Summer2	S	SWTEMP	0.00	0.0671	0.053	25.625	4.51	No Trend	0.9737
PIAMH	Summer2	B	BWTEMP	0.00	0.6293	0.011	25.625	0.91	No Trend	0.8725
POCMH	Summer2	S	STN	0.00	0.0023	-0.0077	0.7940	-21.28	Improving	0.9801
POCMH	Summer2	B	BTN	0.00	0.0008	-0.0069	0.8008	-18.90	Improving	0.7853
POCMH	Summer2	S	SDIN	0.00	0.0002	-0.0014	0.0763	-39.24	Improving	0.7776
POCMH	Summer2	B	BDIN	0.00	0.0000	-0.0018	0.0690	-56.55	Improving	0.7996
POCMH	Summer2	S	STP	0.00	0.0190	-0.0004	0.0433	-22.64	No Trend	0.7001
POCMH	Summer2	B	BTP	0.00	0.0001	-0.0006	0.0478	-29.18	Improving	0.7939
POCMH	Summer2	S	SPO4F	5.00	0.0009	0.0000	0.0080	0.00	Unchanged	0.9885
POCMH	Summer2	B	BPO4F	5.00	0.0047	0.0000	0.0080	0.00	Unchanged	0.9644
POCMH	Summer2	S	SCHLA	0.00	0.7571	-0.011	11.218	-2.14	No Trend	0.9464
POCMH	Summer2	S	STSS	0.00	0.0022	-0.419	17.500	-52.69	Improving	0.1523
POCMH	Summer2	B	BTSS	0.00	0.0035	-0.480	21.750	-48.58	Improving	0.8448
POCMH	Summer2	S	SECCHI	0.00	0.0925	-0.005	0.725	-13.79	No Trend	0.0158
POCMH	Summer2	B	BDO	0.00	0.1256	0.018	6.600	6.06	No Trend	0.4958
POCMH	Summer2	S	SSALINITY	0.00	0.0343	-0.080	19.468	-9.08	No Trend	0.9793
POCMH	Summer2	B	BSALINITY	0.00	0.0547	-0.063	19.790	-6.96	No Trend	0.8103
POCMH	Summer2	S	SWTEMP	0.00	0.4637	0.019	25.600	1.61	No Trend	0.6246
POCMH	Summer2	B	BWTEMP	0.00	0.5467	0.012	25.425	1.08	No Trend	0.6521
CB5MH	Summer2	S	STN	0.00	0.0589	-0.0023	0.5861	-8.55	No Trend	0.9485
CB5MH	Summer2	B	BTN	0.00	0.0001	-0.0052	0.6510	-17.74	Improving	0.3884
CB5MH	Summer2	S	SDIN	4.00	0.0010	-0.0007	0.0470	-30.43	Improving	0.6853
CB5MH	Summer2	B	BDIN	0.00	0.1664	-0.0014	0.1625	-18.52	No Trend	0.1160
CB5MH	Summer2	S	STP	0.00	0.1220	0.0001	0.0308	8.34	No Trend	0.3751
CB5MH	Summer2	B	BTP	0.00	0.0452	0.0003	0.0509	12.70	No Trend	0.3112
CB5MH	Summer2	S	SPO4F	27.00	0.6167	0.0000	0.0050	-	No Trend	0.1359
CB5MH	Summer2	B	BPO4F	5.00	0.0732	0.0002	0.0225	22.01	No Trend	0.9367
CB5MH	Summer2	S	SCHLA	0.00	0.0707	0.088	5.234	36.92	No Trend	0.7207
CB5MH	Summer2	S	STSS	7.00	0.2159	-0.032	5.900	-11.75	No Trend	0.6322
CB5MH	Summer2	B	BTSS	1.00	0.6023	-0.013	9.625	-2.94	No Trend	0.2660
CB5MH	Summer2	S	SECCHI	0.00	0.0003	-0.014	1.700	-18.49	Degrading	0.4769
CB5MH	Summer2	B	BDO	0.00	0.0110	0.050	2.850	38.60	No Trend	0.1804
CB5MH	Summer2	S	SSALINITY	0.00	0.0371	-0.083	17.005	-10.71	No Trend	0.8974
CB5MH	Summer2	B	BSALINITY	0.00	0.0873	-0.049	22.485	-4.79	No Trend	0.9287
CB5MH	Summer2	S	SWTEMP	0.00	0.8450	0.004	26.250	0.31	No Trend	0.8994
CB5MH	Summer2	B	BWTEMP	0.00	0.8196	0.005	24.475	0.47	No Trend	0.8351

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
CB6PH	Summer2	S	STN	0.00	0.0009	-0.0028	0.5168	-11.76	Improving	0.6349
CB6PH	Summer2	B	BTN	0.00	0.0000	-0.0072	0.5975	-26.46	Improving	0.5635
CB6PH	Summer2	S	SDIN	1.00	0.3720	0.0000	0.0416	0.00	No Trend	0.2997
CB6PH	Summer2	B	BDIN	0.00	0.1300	-0.0010	0.1083	-21.01	No Trend	0.1536
CB6PH	Summer2	S	STP	0.00	0.4442	0.0001	0.0289	6.35	No Trend	0.8021
CB6PH	Summer2	B	BTP	0.00	0.0904	-0.0003	0.0540	-12.43	No Trend	0.6914
CB6PH	Summer2	S	SPO4F	31.00	0.1700	0.0000	0.0080	-	No Trend	0.5738
CB6PH	Summer2	B	BPO4F	1.00	0.2825	-0.0001	0.0226	-12.97	No Trend	0.5000
CB6PH	Summer2	S	SCHLA	5.00	0.0066	0.136	6.110	48.88	Degrading	0.5288
CB6PH	Summer2	S	STSS	6.00	0.0387	-0.120	8.900	-29.57	No Trend	0.4411
CB6PH	Summer2	B	BTSS	0.00	0.0567	-0.254	18.000	-31.10	No Trend	0.4047
CB6PH	Summer2	S	SECCHI	0.00	0.0000	-0.027	1.825	-32.88	Degrading	0.8865
CB6PH	Summer2	B	BDO	0.00	0.0355	0.058	4.075	31.34	No Trend	0.3560
CB6PH	Summer2	S	SSALINITY	0.00	0.1385	-0.062	20.450	-6.67	No Trend	0.7599
CB6PH	Summer2	B	BSALINITY	0.00	0.0815	-0.055	25.055	-4.83	No Trend	0.6044
CB6PH	Summer2	S	SWTEMP	0.00	0.9092	0.001	26.075	0.12	No Trend	0.7492
CB6PH	Summer2	B	BWTEMP	0.00	0.8706	0.004	25.450	0.30	No Trend	0.8554
CB7PH	Summer2	S	STN	0.00	0.0021	-0.0038	0.4738	-17.80	Improving	0.1316
CB7PH	Summer2	B	BTN	0.00	0.0000	-0.0094	0.6130	-33.59	Improving	0.5158
CB7PH	Summer2	S	SDIN	13.00	0.0759	0.0000	0.0415	0.00	No Trend	0.3562
CB7PH	Summer2	B	BDIN	4.00	0.0083	-0.0016	0.0955	-36.86	Improving	0.2614
CB7PH	Summer2	S	STP	0.00	0.0935	-0.0002	0.0300	-12.97	No Trend	0.9116
CB7PH	Summer2	B	BTP	0.00	0.0000	-0.0007	0.0590	-25.30	Improving	0.7935
CB7PH	Summer2	S	SPO4F	39.00	0.0056	0.0000	0.0065	-	Unchanged	0.3561
CB7PH	Summer2	B	BPO4F	9.00	0.0000	-0.0003	0.0195	-37.61	Improving	0.6038
CB7PH	Summer2	S	SCHLA	9.00	0.0038	0.125	4.620	59.62	Degrading	0.6492
CB7PH	Summer2	S	STSS	10.00	0.0279	-0.108	7.413	-32.15	No Trend	0.4546
CB7PH	Summer2	B	BTSS	1.00	0.0019	-0.388	21.750	-39.28	Improving	0.3497
CB7PH	Summer2	S	SECCHI	0.00	0.0001	-0.025	1.925	-28.57	Degrading	0.5865
CB7PH	Summer2	B	BDO	0.00	0.1762	0.022	5.775	8.39	No Trend	0.4995
CB7PH	Summer2	S	SSALINITY	0.00	0.1714	-0.052	21.763	-5.26	No Trend	0.9618
CB7PH	Summer2	B	BSALINITY	0.00	0.2613	-0.036	25.810	-3.04	No Trend	0.6551
CB7PH	Summer2	S	SWTEMP	0.00	0.6247	0.008	25.900	0.64	No Trend	0.6240
CB7PH	Summer2	B	BWTEMP	0.00	0.8834	-0.005	24.875	-0.44	No Trend	0.5834
CB8PH	Summer2	S	STN	0.00	0.1385	-0.0018	0.4650	-8.63	No Trend	0.7945
CB8PH	Summer2	B	BTN	0.00	0.0814	-0.0030	0.4750	-13.92	No Trend	0.2596
CB8PH	Summer2	S	SDIN	7.00	0.1329	0.0000	0.0182	0.00	No Trend	0.1376
CB8PH	Summer2	B	BDIN	2.00	0.9610	0.0000	0.0479	0.00	No Trend	0.2612
CB8PH	Summer2	S	STP	0.00	0.0056	-0.0004	0.0438	-19.76	Improving	0.7613
CB8PH	Summer2	B	BTP	0.00	0.0000	-0.0009	0.0513	-37.56	Improving	0.9886
CB8PH	Summer2	S	SPO4F	3.00	0.0000	-0.0004	0.0164	-50.38	Improving	0.5572
CB8PH	Summer2	B	BPO4F	1.00	0.0000	-0.0005	0.0204	-55.79	Improving	0.9612
CB8PH	Summer2	S	SCHLA	7.00	0.0011	0.135	3.875	76.86	Degrading	0.1154
CB8PH	Summer2	S	STSS	3.00	0.0371	0.084	7.000	26.45	No Trend	0.4123
CB8PH	Summer2	B	BTSS	0.00	0.9610	-0.003	9.775	-0.61	No Trend	0.6635
CB8PH	Summer2	S	SECCHI	0.00	0.0001	-0.038	2.175	-37.93	Degrading	0.8538
CB8PH	Summer2	B	BDO	0.00	0.0037	0.032	6.100	11.48	Improving	0.5941
CB8PH	Summer2	S	SSALINITY	0.00	0.0020	-0.123	26.020	-10.43	Decreasing	0.8928
CB8PH	Summer2	B	BSALINITY	0.00	0.0079	-0.072	29.820	-5.33	Decreasing	0.7750
CB8PH	Summer2	S	SWTEMP	0.00	0.6718	0.014	24.925	1.21	No Trend	0.5978
CB8PH	Summer2	B	BWTEMP	0.00	0.4345	0.031	22.500	3.06	No Trend	0.8283

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
APPTF	Fall	S	SCHLA	2.00	0.0842	-0.011	8.090	-2.91	No Trend	0.1533
APPTF	Fall	S	STSS	0.00	0.7930	0.036	15.000	4.52	No Trend	0.8728
APPTF	Fall	B	BTSS	0.00	0.5264	-0.229	23.000	-18.92	No Trend	0.9855
APPTF	Fall	S	SECCHI	0.00	0.0519	0.000	0.500	0.00	No Trend	0.8994
APPTF	Fall	B	BDO	0.00	-	-	8.225	17.33	-	-
APPTF	Fall	S	SSALINITY	0.00	0.0627	0.000	0.010	0.00	No Trend	0.8016
APPTF	Fall	B	BSALINITY	0.00	0.0627	0.000	0.010	0.00	No Trend	0.8016
APPTF	Fall	S	SWTEMP	0.00	0.1486	-0.081	12.250	-14.62	No Trend	0.3260
APPTF	Fall	B	BWTEMP	0.00	0.2339	-0.063	12.250	-11.28	No Trend	0.3139
JMSTF1	Fall	S	SCHLA	5.00	0.0522	-0.096	11.270	-18.66	No Trend	0.4129
JMSTF1	Fall	S	STSS	0.00	1.0000	0.000	20.750	0.00	No Trend	0.7091
JMSTF1	Fall	B	BTSS	0.00	0.1735	0.842	172.000	10.77	No Trend	0.7875
JMSTF1	Fall	S	SECCHI	0.00	0.0029	-0.006	0.525	-26.19	Degrading	0.7716
JMSTF1	Fall	B	BDO	0.00	0.0472	0.046	8.800	11.50	No Trend	0.7549
JMSTF1	Fall	S	SSALINITY	0.00	0.1704	0.000	0.010	0.00	No Trend	0.9484
JMSTF1	Fall	B	BSALINITY	0.00	0.1819	0.000	0.010	0.00	No Trend	0.8826
JMSTF1	Fall	S	SWTEMP	0.00	0.0834	-0.092	12.625	-15.96	No Trend	0.4438
JMSTF1	Fall	B	BWTEMP	0.00	0.1438	-0.078	12.500	-13.67	No Trend	0.4920
JMSTF2	Fall	S	SCHLA	6.00	0.6207	0.000	3.100	0.00	No Trend	0.7980
JMSTF2	Fall	S	STSS	0.00	0.4502	0.000	5.000	0.00	No Trend	0.8090
JMSTF2	Fall	B	BTSS	0.00	0.0960	0.250	9.500	50.00	No Trend	0.4605
JMSTF2	Fall	S	SECCHI	0.00	0.7670	0.004	0.900	10.19	No Trend	0.8099
JMSTF2	Fall	B	BDO	0.00	0.4220	0.017	10.200	3.59	No Trend	0.8129
JMSTF2	Fall	S	SSALINITY	0.00	0.2716	0.000	0.010	0.00	No Trend	0.7352
JMSTF2	Fall	B	BSALINITY	0.00	0.1577	0.000	0.010	0.00	No Trend	0.9835
JMSTF2	Fall	S	SWTEMP	0.00	0.0993	-0.090	11.750	-16.77	No Trend	0.8176
JMSTF2	Fall	B	BWTEMP	0.00	0.1587	-0.074	11.750	-13.92	No Trend	0.4618
CHKOH	Fall	S	SCHLA	0.00	0.0000	-0.988	22.345	-83.97	Improving	0.2761
CHKOH	Fall	S	STSS	0.00	0.4877	0.208	14.000	28.27	No Trend	0.2715
CHKOH	Fall	B	BTSS	0.00	0.0291	1.000	16.250	116.92	No Trend	0.6896
CHKOH	Fall	S	SECCHI	0.00	0.0066	-0.009	0.650	-25.47	Degrading	0.0965
CHKOH	Fall	B	BDO	0.00	0.0219	-0.050	10.200	-9.31	No Trend	0.9120
CHKOH	Fall	S	SSALINITY	0.00	0.8122	0.000	0.805	0.00	No Trend	0.9501
CHKOH	Fall	B	BSALINITY	0.00	0.7957	0.000	0.805	0.00	No Trend	0.9541
CHKOH	Fall	S	SWTEMP	0.00	0.1957	-0.087	13.700	-12.05	No Trend	0.3947
CHKOH	Fall	B	BWTEMP	0.00	0.2793	-0.090	13.500	-12.61	No Trend	0.3421
JMSOH	Fall	S	SCHLA	6.00	0.0022	-0.226	3.185	-156.11	Improving	0.1486
JMSOH	Fall	S	STSS	0.00	0.4791	0.188	662.000	0.62	No Trend	0.3632
JMSOH	Fall	B	BTSS	0.00	0.2814	0.786	290.000	5.96	No Trend	0.2959
JMSOH	Fall	S	SECCHI	0.00	0.3146	-0.004	0.525	-14.97	No Trend	0.8577
JMSOH	Fall	B	BDO	0.00	0.1850	0.028	8.400	7.20	No Trend	0.4382
JMSOH	Fall	S	SSALINITY	0.00	0.9051	-0.001	3.195	-0.69	No Trend	0.8135
JMSOH	Fall	B	BSALINITY	0.00	0.7723	0.018	3.725	10.83	No Trend	0.6140
JMSOH	Fall	S	SWTEMP	0.00	0.0348	-0.086	12.700	-14.96	No Trend	0.2048
JMSOH	Fall	B	BWTEMP	0.00	0.0333	-0.085	12.825	-14.67	No Trend	0.1939
JMSMH	Fall	S	SCHLA	7.00	0.8051	0.000	3.100	0.00	No Trend	0.0573
JMSMH	Fall	S	STSS	0.00	0.3567	-0.059	14.000	-9.28	No Trend	0.7550
JMSMH	Fall	B	BTSS	0.00	0.1517	0.250	142.000	3.87	No Trend	0.2994
JMSMH	Fall	S	SECCHI	0.00	0.2385	-0.013	1.300	-21.15	No Trend	0.9130
JMSMH	Fall	B	BDO	0.00	0.0036	0.060	7.250	18.21	Improving	0.2586
JMSMH	Fall	S	SSALINITY	0.00	0.8482	-0.058	15.340	-8.27	No Trend	0.8539
JMSMH	Fall	B	BSALINITY	0.00	0.6509	-0.046	17.885	-5.63	No Trend	0.7898
JMSMH	Fall	S	SWTEMP	0.00	0.0602	-0.095	15.400	-13.62	No Trend	0.3877
JMSMH	Fall	B	BWTEMP	0.00	0.0296	-0.096	15.700	-13.47	No Trend	0.3051

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
JMSPH	Fall	S	SCHLA	7.00	0.0002	0.089	3.100	63.28	Degrading	0.6539
JMSPH	Fall	S	STSS	0.00	0.9479	0.000	6.400	0.00	No Trend	0.8776
JMSPH	Fall	B	BTSS	0.00	0.0008	-0.425	22.875	-40.87	Improving	0.2065
JMSPH	Fall	S	SECCHI	0.00	0.0425	-0.015	1.850	-17.49	No Trend	0.4295
JMSPH	Fall	B	BDO	0.00	0.0003	0.061	7.550	17.75	Improving	0.4869
JMSPH	Fall	S	SSALINITY	0.00	0.1035	-0.130	22.660	-12.62	No Trend	0.9639
JMSPH	Fall	B	BSALINITY	0.00	0.0387	-0.120	24.258	-10.91	No Trend	0.5155
JMSPH	Fall	S	SWTEMP	0.00	0.1711	-0.050	14.100	-7.80	No Trend	0.8731
JMSPH	Fall	B	BWTEMP	0.00	0.1713	-0.056	14.275	-8.65	No Trend	0.8645
WBEMH	Fall	S	STN	0.00	0.9433	0.0003	0.7685	0.67	No Trend	0.8330
WBEMH	Fall	B	BTN	0.00	0.8833	0.0006	0.776	1.40	No Trend	0.6524
WBEMH	Fall	S	SDIN	5.80	0.8222	0.0009	0.323	5.20	No Trend	0.4621
WBEMH	Fall	B	BDIN	5.80	0.8398	0.0014	0.30785	8.23	No Trend	0.7768
WBEMH	Fall	S	STP	0.00	0.0724	-0.0006	0.0695	-16.65	No Trend	0.7217
WBEMH	Fall	B	BTP	0.00	0.0046	-0.0008	0.074	-20.62	Improving	0.6834
WBEMH	Fall	S	SPO4F	13.24	0.2853	-0.0006	0.044	-24.00	No Trend	0.3840
WBEMH	Fall	B	BPO4F	7.35	0.0963	-0.0008	0.0435	-32.51	No Trend	0.7945
WBEMH	Fall	S	SCHLA	0.00	0.3456	0.0739	10.25	12.98	No Trend	0.2297
WBEMH	Fall	S	STSS	0.00	0.0876	-0.2366	13	-32.76	No Trend	0.1180
WBEMH	Fall	B	BTSS	0.00	0.0623	-0.4118	14.05	-52.75	No Trend	0.6860
WBEMH	Fall	S	SECCHI	0.00	0.1349	-0.0100	0.9	-20.00	No Trend	0.8061
WBEMH	Fall	B	BDO	0.00	0.8449	0.0065	8	1.45	No Trend	0.5418
WBEMH	Fall	S	SSALINITY	0.00	0.0111	-0.2571	17.85	-25.93	No Trend	0.9842
WBEMH	Fall	B	BSALINITY	0.00	0.0134	-0.2546	18	-25.46	No Trend	0.8890
WBEMH	Fall	B	BWTEMP	0.00	0.1339	0.0738	10.95	12.12	No Trend	0.6688
WBEMH	Fall	S	SWTEMP	0.00	0.1705	0.0744	11.2	11.96	No Trend	0.4163
SBEMH	Fall	S	STN	0.00	0.5931	-0.0041	1.16075	-6.34	No Trend	0.5195
SBEMH	Fall	B	BTN	0.00	0.7956	-0.0021	1.0015	-3.70	No Trend	0.3554
SBEMH	Fall	S	SDIN	0.00	0.0041	-0.0115	0.679525	-30.57	Improving	0.5487
SBEMH	Fall	B	BDIN	0.00	0.0879	-0.0076	0.585525	-23.45	No Trend	0.4923
SBEMH	Fall	S	STP	0.00	0.0220	-0.0008	0.0735	-19.90	No Trend	0.6642
SBEMH	Fall	B	BTP	0.00	0.0012	-0.0013	0.0805	-27.95	Improving	0.5380
SBEMH	Fall	S	SPO4F	1.02	0.0196	-0.0008	0.0515	-27.18	No Trend	0.7341
SBEMH	Fall	B	BPO4F	2.06	0.0018	-0.0009	0.06	-26.29	Improving	0.2881
SBEMH	Fall	S	SCHLA	24.24	0.9641	0.0000	2.375	-	No Trend	0.1579
SBEMH	Fall	S	STSS	2.02	0.0655	-0.1689	6.725	-45.20	No Trend	0.3446
SBEMH	Fall	B	BTSS	1.01	0.0001	-0.5181	12.6	-74.02	Improving	0.9537
SBEMH	Fall	S	SECCHI	0.00	0.3790	-0.0134	1.25	-19.29	No Trend	0.3772
SBEMH	Fall	B	BDO	0.00	0.4482	0.0179	6.2	5.20	No Trend	0.2180
SBEMH	Fall	S	SSALINITY	0.00	0.2005	-0.1538	16.725	-16.55	No Trend	0.9162
SBEMH	Fall	B	BSALINITY	0.00	0.0540	-0.1820	18.05	-18.15	No Trend	0.9202
SBEMH	Fall	B	BWTEMP	0.00	0.0570	0.1111	15.075	13.27	No Trend	0.5958
SBEMH	Fall	S	SWTEMP	0.00	0.0105	0.1611	15.175	19.11	No Trend	0.3791
EBEMH	Fall	S	STN	0.00	0.7336	-0.0040	0.866	-8.38	No Trend	0.3475
EBEMH	Fall	B	BTN	0.00	0.1959	-0.0056	0.8565	-11.87	No Trend	0.1719
EBEMH	Fall	S	SDIN	0.00	0.2139	-0.0047	0.4996	-16.83	No Trend	0.8360
EBEMH	Fall	B	BDIN	0.00	0.1175	-0.0038	0.5074	-13.63	No Trend	0.7930
EBEMH	Fall	S	STP	0.00	0.0138	-0.0009	0.0745	-21.08	No Trend	0.3412
EBEMH	Fall	B	BTP	0.00	0.0001	-0.0013	0.075	-32.20	Improving	0.1226
EBEMH	Fall	S	SPO4F	4.26	0.0547	-0.0007	0.0565	-23.60	No Trend	0.3762
EBEMH	Fall	B	BPO4F	4.26	0.0257	-0.0007	0.0505	-25.91	No Trend	0.5814

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
EBEMH	Fall	S	SCHLA	10.87	0.0877	0.0663	3.15	37.86	No Trend	0.1340
EBEMH	Fall	S	STSS	2.08	0.0061	-0.1445	6.75	-38.55	Improving	0.4180
EBEMH	Fall	B	BTSS	0.00	0.0093	-0.4097	8.4	-87.79	Improving	0.3887
EBEMH	Fall	S	SECCHI	0.00	0.2352	-0.0125	1.25	-18.00	No Trend	0.9299
EBEMH	Fall	B	BDO	0.00	0.4967	0.0210	6.7	5.63	No Trend	0.1499
EBEMH	Fall	S	SSALINITY	0.00	0.0305	-0.1575	18.1	-15.66	No Trend	0.9131
EBEMH	Fall	B	BSALINITY	0.00	0.0398	-0.1690	18.2	-16.71	No Trend	0.8814
EBEMH	Fall	B	BWTEMP	0.00	0.1785	0.0529	13.5	7.05	No Trend	0.6464
EBEMH	Fall	S	SWTEMP	0.00	0.2224	0.0710	13.6	9.39	No Trend	0.8108
LAFMH	Fall	S	STN	0.00	0.1405	0.0216	0.57425	30.13	No Trend	0.8867
LAFMH	Fall	B	BTN	0.00	0.0522	0.0324	0.545	47.56	No Trend	0.9556
LAFMH	Fall	S	SDIN	10.00	0.0763	0.0230	0.1295	142.20	No Trend	0.7861
LAFMH	Fall	B	BDIN	5.13	0.0887	0.0202	0.123	131.44	No Trend	0.9417
LAFMH	Fall	S	STP	0.00	0.7948	-0.0004	0.06375	-4.39	No Trend	0.5318
LAFMH	Fall	B	BTP	0.00	0.9263	0.0001	0.056	1.43	No Trend	0.2466
LAFMH	Fall	S	SPO4F	7.50	0.9356	0.0001	0.027	2.12	No Trend	0.5660
LAFMH	Fall	B	BPO4F	10.26	0.7325	-0.0003	0.024	-10.83	No Trend	0.3746
LAFMH	Fall	S	SCHLA	0.00	0.5191	0.3404	11.195	24.33	No Trend	0.2389
LAFMH	Fall	S	STSS	0.00	0.7440	0.0833	13.5	4.94	No Trend	0.2294
LAFMH	Fall	B	BTSS	0.00	0.6692	-0.3333	15.5	-17.20	No Trend	0.4445
LAFMH	Fall	S	SECCHI	0.00	0.1408	-0.0500	0.95	-42.11	No Trend	0.8183
LAFMH	Fall	B	BDO	0.00	0.8084	-0.0157	8.7975	-1.43	No Trend	0.9406
LAFMH	Fall	S	SSALINITY	0.00	0.0362	-0.8500	21.075	-32.27	No Trend	0.5525
LAFMH	Fall	B	BSALINITY	0.00	0.0241	-0.6650	21.4	-24.86	No Trend	0.5540
LAFMH	Fall	B	BWTEMP	0.00	0.8720	0.0240	12.7475	1.50	No Trend	0.3171
LAFMH	Fall	S	SWTEMP	0.00	0.5715	0.1038	12.8075	6.48	No Trend	0.5327
ELIPH	Fall	S	SCHLA	3.11	0.2408	0.0623	3.1	44.24	No Trend	0.7021
ELIPH	Fall	S	STSS	0.00	0.0248	-0.1764	8	-48.51	No Trend	0.6634
ELIPH	Fall	B	BTSS	0.00	0.0062	-0.5475	16	-75.29	Improving	0.6076
ELIPH	Fall	S	SECCHI	0.00	0.0740	-0.0132	1.35	-21.59	No Trend	0.1945
ELIPH	Fall	B	BDO	0.00	0.0284	0.0424	6.7	13.91	No Trend	0.4790
ELIPH	Fall	S	SSALINITY	0.00	0.1181	-0.1490	21.25	-15.42	No Trend	0.8469
ELIPH	Fall	B	BSALINITY	0.00	0.0012	-0.2146	24.86	-18.99	Decreasing	0.8279
ELIPH	Fall	B	BWTEMP	0.00	0.4344	-0.0331	16.1	-4.52	No Trend	0.4745
ELIPH	Fall	S	SWTEMP	0.00	0.8785	0.0061	16.05	0.83	No Trend	0.6809
PMKTF	Fall	S	SCHLA	3.00	0.3383	0.000	3.100	0.00	No Trend	0.9643
PMKTF	Fall	S	STSS	0.00	0.4802	0.167	12.750	24.84	No Trend	0.9663
PMKTF	Fall	B	BTSS	0.00	0.5889	-0.111	20.000	-10.56	No Trend	0.7270
PMKTF	Fall	S	SECCHI	0.00	0.0419	-0.007	0.600	-26.19	No Trend	0.6659
PMKTF	Fall	B	BDO	0.00	0.0169	-0.060	6.550	-20.15	No Trend	0.6808
PMKTF	Fall	S	SSALINITY	0.00	0.0123	0.000	0.010	0.00	No Trend	0.9679
PMKTF	Fall	B	BSALINITY	0.00	0.0118	0.000	0.010	0.00	No Trend	0.9370
PMKTF	Fall	S	SWTEMP	0.00	0.0131	0.137	14.000	21.51	No Trend	0.7940
PMKTF	Fall	B	BWTEMP	0.00	0.0075	0.156	15.825	21.65	Increasing	0.7451
PMKOH	Fall	S	SCHLA	2.00	0.5190	0.000	3.100	0.00	No Trend	0.2294
PMKOH	Fall	S	STSS	1.00	0.8378	0.192	36.000	11.75	No Trend	0.2348
PMKOH	Fall	B	BTSS	0.00	0.6784	0.778	63.500	23.27	No Trend	0.9319
PMKOH	Fall	S	SECCHI	0.00	0.8833	0.000	0.500	0.00	No Trend	0.9341
PMKOH	Fall	B	BDO	0.00	0.0530	-0.036	6.375	-12.38	No Trend	0.4021
PMKOH	Fall	S	SSALINITY	0.00	0.6686	0.022	1.895	25.54	No Trend	0.8366
PMKOH	Fall	B	BSALINITY	0.00	0.6021	0.023	2.090	24.06	No Trend	0.7864
PMKOH	Fall	S	SWTEMP	0.00	0.0372	0.087	17.900	10.75	No Trend	0.8527
PMKOH	Fall	B	BWTEMP	0.00	0.0508	0.080	17.875	9.85	No Trend	0.9625

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
MPNTF	Fall	S	SCHLA	4.00	0.6583	0.000	3.100	0.00	No Trend	0.9416
MPNTF	Fall	S	STSS	0.00	0.8416	0.000	6.000	0.00	No Trend	0.5569
MPNTF	Fall	B	BTSS	0.00	0.8433	0.000	7.000	0.00	No Trend	0.3242
MPNTF	Fall	S	SECCHI	0.00	0.8051	0.000	0.800	0.00	No Trend	0.4406
MPNTF	Fall	B	BDO	0.00	0.0487	-0.045	7.075	-14.02	No Trend	0.3156
MPNTF	Fall	S	SSALINITY	0.00	0.0365	0.000	0.010	0.00	No Trend	0.8811
MPNTF	Fall	B	BSALINITY	0.00	0.0365	0.000	0.010	0.00	No Trend	0.8811
MPNTF	Fall	S	SWTEMP	0.00	0.0031	0.160	13.500	26.14	Increasing	0.7677
MPNTF	Fall	B	BWTEMP	0.00	0.0023	0.169	15.275	24.30	Increasing	0.7037
MPNOH	Fall	S	SCHLA	2.00	0.2942	0.000	3.100	0.00	No Trend	0.5783
MPNOH	Fall	S	STSS	1.00	0.2622	0.278	20.000	30.56	No Trend	0.5587
MPNOH	Fall	B	BTSS	0.00	0.7244	0.333	42.250	14.99	No Trend	0.3789
MPNOH	Fall	S	SECCHI	0.00	0.8150	0.000	0.500	0.00	No Trend	0.7366
MPNOH	Fall	B	BDO	0.00	0.2867	-0.024	6.525	-7.96	No Trend	0.9273
MPNOH	Fall	S	SSALINITY	0.00	0.2505	0.118	2.015	128.68	No Trend	0.9134
MPNOH	Fall	B	BSALINITY	0.00	0.3576	0.100	2.518	87.39	No Trend	0.8887
MPNOH	Fall	S	SWTEMP	0.00	0.0095	0.100	17.675	12.45	Increasing	0.8081
MPNOH	Fall	B	BWTEMP	0.00	0.0101	0.099	17.625	12.39	No Trend	0.7757
YRKMH	Fall	S	SCHLA	2.00	0.1263	0.115	4.895	51.59	No Trend	0.6082
YRKMH	Fall	S	STSS	0.00	0.8148	0.045	15.500	5.57	No Trend	0.6703
YRKMH	Fall	B	BTSS	0.00	0.1943	0.750	27.000	52.78	No Trend	0.5042
YRKMH	Fall	S	SECCHI	0.00	0.2173	-0.004	0.850	-10.78	No Trend	0.8176
YRKMH	Fall	B	BDO	0.00	0.0233	-0.034	6.850	-10.84	No Trend	0.6529
YRKMH	Fall	S	SSALINITY	0.00	0.7487	-0.039	10.155	-8.53	No Trend	0.7163
YRKMH	Fall	B	BSALINITY	0.00	0.4765	-0.064	13.095	-10.80	No Trend	0.9788
YRKMH	Fall	S	SWTEMP	0.00	0.0443	0.119	17.725	14.77	No Trend	0.8787
YRKMH	Fall	B	BWTEMP	0.00	0.0217	0.120	17.775	14.85	No Trend	0.8476
YRKPH	Fall	S	SCHLA	5.00	0.0017	0.116	3.100	82.63	Degrading	0.3810
YRKPH	Fall	S	STSS	1.00	0.0945	0.091	5.000	40.00	No Trend	0.3253
YRKPH	Fall	B	BTSS	0.00	0.0748	0.611	10.250	113.28	No Trend	0.1356
YRKPH	Fall	S	SECCHI	0.00	0.0013	-0.025	1.500	-36.67	Degrading	0.0848
YRKPH	Fall	B	BDO	0.00	0.5802	-0.015	6.600	-4.88	No Trend	0.0792
YRKPH	Fall	S	SSALINITY	0.00	0.1056	-0.105	19.095	-12.05	No Trend	0.5508
YRKPH	Fall	B	BSALINITY	0.00	0.0556	-0.119	22.433	-11.63	No Trend	0.9417
YRKPH	Fall	S	SWTEMP	0.00	0.0401	0.098	18.000	11.97	No Trend	0.7488
YRKPH	Fall	B	BWTEMP	0.00	0.0135	0.115	18.200	13.95	No Trend	0.9156
MOBPH	Fall	S	STN	0.00	0.0012	-0.0052	0.4910	-23.34	Improving	0.9205
MOBPH	Fall	B	BTN	0.00	0.0002	-0.0057	0.5120	-24.41	Improving	0.7687
MOBPH	Fall	S	SDIN	0.00	0.0027	-0.0007	0.0913	-16.42	Improving	0.5295
MOBPH	Fall	B	BDIN	0.00	0.0053	-0.0011	0.0983	-24.35	Improving	0.6003
MOBPH	Fall	S	STP	0.00	0.0109	-0.0003	0.0268	-20.56	No Trend	0.5263
MOBPH	Fall	B	BTP	0.00	0.0173	-0.0003	0.0330	-21.71	No Trend	0.8697
MOBPH	Fall	S	SPO4F	4.00	0.0075	0.0000	0.0110	0.00	Unchanged	0.6155
MOBPH	Fall	B	BPO4F	4.00	0.0050	0.0000	0.0110	0.00	Unchanged	0.8110
MOBPH	Fall	S	SCHLA	0.00	0.0360	0.115	4.155	60.91	No Trend	0.2257
MOBPH	Fall	S	STSS	0.00	0.0054	-0.289	6.750	-94.23	Improving	0.6395
MOBPH	Fall	B	BTSS	0.00	0.0158	-0.476	7.250	-144.39	No Trend	0.8280
MOBPH	Fall	S	SECCHI	0.00	0.0026	-0.026	2.225	-25.37	Degrading	0.9246
MOBPH	Fall	B	BDO	0.00	0.0011	0.058	8.000	15.96	Improving	0.6483
MOBPH	Fall	S	SSALINITY	0.00	0.0360	-0.106	22.593	-10.30	No Trend	0.9549
MOBPH	Fall	B	BSALINITY	0.00	0.0067	-0.114	23.213	-10.81	Decreasing	0.9865
MOBPH	Fall	S	SWTEMP	0.00	0.5492	-0.025	15.325	-3.52	No Trend	0.8758
MOBPH	Fall	B	BWTEMP	0.00	0.5603	-0.031	14.600	-4.60	No Trend	0.9002

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
RPPTF	Fall	S	SCHLA	2.00	0.0488	0.000	11.380	0.00	No Trend	0.1779
RPPTF	Fall	S	STSS	0.00	0.9669	0.000	27.000	0.00	No Trend	0.6252
RPPTF	Fall	B	BTSS	0.00	0.3192	-0.400	43.750	-17.37	No Trend	0.2373
RPPTF	Fall	S	SECCHI	0.00	0.0589	-0.009	0.500	-36.36	No Trend	0.5442
RPPTF	Fall	B	BDO	0.00	0.1625	-0.032	10.550	-6.70	No Trend	0.1239
RPPTF	Fall	S	SSALINITY	0.00	0.0006	0.000	0.010	0.00	Unchanged	0.7073
RPPTF	Fall	B	BSALINITY	0.00	0.0006	0.000	0.010	0.00	Unchanged	0.7073
RPPTF	Fall	S	SWTEMP	0.00	0.6774	-0.014	9.000	-3.39	No Trend	0.9093
RPPTF	Fall	B	BWTEMP	0.00	0.8941	-0.010	9.000	-2.39	No Trend	0.9526
RPPOH	Fall	S	SCHLA	2.00	0.1331	0.034	5.270	14.13	No Trend	0.7009
RPPOH	Fall	S	STSS	0.00	0.2902	0.333	19.000	33.33	No Trend	0.3896
RPPOH	Fall	B	BTSS	0.00	0.0298	1.176	28.250	79.13	No Trend	0.5986
RPPOH	Fall	S	SECCHI	0.00	0.0949	0.000	0.600	0.00	No Trend	0.3959
RPPOH	Fall	B	BDO	0.00	0.5679	-0.018	9.500	-4.21	No Trend	0.0844
RPPOH	Fall	S	SSALINITY	0.00	0.0266	-0.053	4.570	-25.42	No Trend	0.3918
RPPOH	Fall	B	BSALINITY	0.00	0.0366	-0.055	4.320	-28.01	No Trend	0.5547
RPPOH	Fall	S	SWTEMP	0.00	0.1898	0.082	11.350	15.89	No Trend	0.5827
RPPOH	Fall	B	BWTEMP	0.00	0.2366	0.060	11.200	11.79	No Trend	0.7536
RPPMH	Fall	S	SCHLA	5.00	0.0014	0.166	5.803	63.00	Degrading	0.4431
RPPMH	Fall	S	STSS	6.00	0.0784	-0.063	6.000	-22.92	No Trend	0.4459
RPPMH	Fall	B	BTSS	0.00	0.7817	-0.032	13.500	-5.14	No Trend	0.4958
RPPMH	Fall	S	SECCHI	0.00	0.3036	-0.009	1.500	-13.75	No Trend	0.7020
RPPMH	Fall	B	BDO	0.00	0.8963	-0.001	7.925	-0.28	No Trend	0.1952
RPPMH	Fall	S	SSALINITY	0.00	0.0083	-0.177	18.075	-21.58	Decreasing	0.9437
RPPMH	Fall	B	BSALINITY	0.00	0.0167	-0.125	19.463	-14.13	No Trend	0.8402
RPPMH	Fall	S	SWTEMP	0.00	0.2159	0.040	12.975	6.86	No Trend	0.5712
RPPMH	Fall	B	BWTEMP	0.00	0.1300	0.057	13.325	9.42	No Trend	0.6551
CRRMH	Fall	S	SCHLA	1.00	0.0007	0.122	5.073	52.97	Degrading	0.8716
CRRMH	Fall	S	STSS	3.00	0.9298	0.000	5.000	0.00	No Trend	0.1570
CRRMH	Fall	B	BTSS	0.00	0.2329	0.000	8.000	0.00	No Trend	0.1615
CRRMH	Fall	S	SECCHI	0.00	0.0015	-0.039	2.500	-34.03	Degrading	0.2112
CRRMH	Fall	B	BDO	0.00	0.8809	0.004	8.200	1.19	No Trend	0.0502
CRRMH	Fall	S	SSALINITY	0.00	0.0038	-0.158	19.108	-18.23	Decreasing	0.8624
CRRMH	Fall	B	BSALINITY	0.00	0.0108	-0.139	19.248	-15.84	No Trend	0.6036
CRRMH	Fall	S	SWTEMP	0.00	0.4837	0.031	13.100	5.17	No Trend	0.7134
CRRMH	Fall	B	BWTEMP	0.00	0.2540	0.043	13.100	7.28	No Trend	0.6441
PIAMH	Fall	S	STN	0.00	0.0000	-0.0073	0.5295	-30.24	Improving	0.9616
PIAMH	Fall	B	BTN	0.00	0.0001	-0.0070	0.5715	-26.95	Improving	0.8081
PIAMH	Fall	S	SDIN	3.00	0.0000	-0.0017	0.0500	-73.33	Improving	0.6476
PIAMH	Fall	B	BDIN	2.00	0.0000	-0.0014	0.0770	-40.04	Improving	0.8017
PIAMH	Fall	S	STP	0.00	0.1176	-0.0001	0.0175	-11.73	No Trend	0.4958
PIAMH	Fall	B	BTP	0.00	0.0427	-0.0003	0.0228	-24.40	No Trend	0.9653
PIAMH	Fall	S	SPO4F	1.00	0.0011	0.0000	0.0095	0.00	Unchanged	0.9730
PIAMH	Fall	B	BPO4F	1.00	0.0006	0.0000	0.0095	0.00	Unchanged	0.8900
PIAMH	Fall	S	SCHLA	1.00	0.2412	0.062	5.595	24.48	No Trend	0.7570
PIAMH	Fall	S	STSS	2.00	0.0385	-0.188	5.250	-78.72	No Trend	0.8044
PIAMH	Fall	B	BTSS	2.00	0.0274	-0.216	7.250	-65.42	No Trend	0.3536
PIAMH	Fall	S	SECCHI	0.00	0.0009	-0.033	2.400	-30.56	Degrading	0.8016
PIAMH	Fall	B	BDO	0.00	0.0001	0.075	8.350	19.76	Improving	0.9993
PIAMH	Fall	S	SSALINITY	0.00	0.0129	-0.132	19.515	-14.86	No Trend	0.8066
PIAMH	Fall	B	BSALINITY	0.00	0.0081	-0.124	20.100	-13.53	Decreasing	0.9483
PIAMH	Fall	S	SWTEMP	0.00	0.9152	-0.004	14.900	-0.59	No Trend	0.6117
PIAMH	Fall	B	BWTEMP	0.00	0.8870	-0.006	14.500	-0.99	No Trend	0.6347

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
POCMH	Fall	S	STN	0.00	0.1689	-0.0035	0.5833	-13.24	No Trend	0.6142
POCMH	Fall	B	BTN	0.00	0.1071	-0.0041	0.5820	-15.33	No Trend	0.6586
POCMH	Fall	S	SDIN	0.00	0.0001	-0.0026	0.0900	-62.44	Improving	0.8564
POCMH	Fall	B	BDIN	0.00	0.0002	-0.0021	0.0980	-46.46	Improving	0.5465
POCMH	Fall	S	STP	0.00	0.3318	-0.0002	0.0283	-12.55	No Trend	0.6565
POCMH	Fall	B	BTP	0.00	0.3406	-0.0002	0.0253	-17.43	No Trend	0.3552
POCMH	Fall	S	SPO4F	1.00	0.0535	0.0000	0.0065	0.00	No Trend	0.2492
POCMH	Fall	B	BPO4F	1.00	0.0896	0.0000	0.0065	0.00	No Trend	0.1913
POCMH	Fall	S	SCHLA	0.00	0.0109	0.166	4.910	74.30	No Trend	0.8595
POCMH	Fall	S	STSS	0.00	0.0345	-0.320	10.000	-70.40	No Trend	0.4360
POCMH	Fall	B	BTSS	0.00	0.0316	-0.374	13.750	-59.76	No Trend	0.7569
POCMH	Fall	S	SECCHI	0.00	0.0024	-0.019	1.250	-33.00	Degrading	0.8552
POCMH	Fall	B	BDO	0.00	0.0932	0.025	9.200	5.98	No Trend	0.8196
POCMH	Fall	S	SSALINITY	0.00	0.0094	-0.131	21.398	-13.44	Decreasing	0.5776
POCMH	Fall	B	BSALINITY	0.00	0.0023	-0.130	21.520	-13.29	Decreasing	0.8830
POCMH	Fall	S	SWTEMP	0.00	0.6275	-0.017	13.650	-2.69	No Trend	0.9745
POCMH	Fall	B	BWTEMP	0.00	0.5214	-0.038	13.650	-6.04	No Trend	0.9759
CB5MH	Fall	S	STN	0.00	0.0387	-0.0040	0.6013	-14.63	No Trend	0.8685
CB5MH	Fall	B	BTN	0.00	0.0612	-0.0026	0.5842	-9.83	No Trend	0.8966
CB5MH	Fall	S	SDIN	0.00	0.1035	-0.0014	0.1136	-27.70	No Trend	0.3567
CB5MH	Fall	B	BDIN	0.00	0.0246	-0.0024	0.1472	-36.53	No Trend	0.1397
CB5MH	Fall	S	STP	0.00	0.0056	0.0002	0.0240	15.76	Degrading	0.8846
CB5MH	Fall	B	BTP	0.00	0.9093	0.0000	0.0373	1.33	No Trend	0.1145
CB5MH	Fall	S	SPO4F	11.00	0.0637	0.0000	0.0065	0.00	No Trend	0.1970
CB5MH	Fall	B	BPO4F	4.00	0.6614	0.0000	0.0111	0.00	No Trend	0.0067
CB5MH	Fall	S	SCHLA	0.00	0.0096	0.125	5.160	53.22	Degrading	0.7026
CB5MH	Fall	S	STSS	8.00	0.3048	-0.033	4.125	-17.78	No Trend	0.2888
CB5MH	Fall	B	BTSS	0.00	0.0633	-0.143	10.213	-30.84	No Trend	0.8536
CB5MH	Fall	S	SECCHI	0.00	0.0000	-0.025	2.275	-24.18	Degrading	0.4318
CB5MH	Fall	B	BDO	0.00	0.2893	0.022	6.775	7.01	No Trend	0.9685
CB5MH	Fall	S	SSALINITY	0.00	0.0844	-0.079	17.958	-9.63	No Trend	0.5498
CB5MH	Fall	B	BSALINITY	0.00	0.0182	-0.102	21.958	-10.27	No Trend	0.8909
CB5MH	Fall	S	SWTEMP	0.00	0.6957	0.007	14.150	1.06	No Trend	0.6677
CB5MH	Fall	B	BWTEMP	0.00	0.9092	0.004	15.200	0.64	No Trend	0.7912
CB6PH	Fall	S	STN	0.00	0.0000	-0.0072	0.5440	-29.30	Improving	0.6815
CB6PH	Fall	B	BTN	0.00	0.0000	-0.0083	0.5424	-33.53	Improving	0.5484
CB6PH	Fall	S	SDIN	0.00	0.0110	-0.0016	0.0709	-48.88	No Trend	0.2961
CB6PH	Fall	B	BDIN	0.00	0.0318	-0.0017	0.1257	-29.40	No Trend	0.3625
CB6PH	Fall	S	STP	0.00	0.0064	-0.0003	0.0233	-29.11	Improving	0.3036
CB6PH	Fall	B	BTP	0.00	0.0004	-0.0007	0.0381	-38.37	Improving	0.0974
CB6PH	Fall	S	SPO4F	10.00	0.0046	0.0000	0.0110	0.00	Unchanged	0.1018
CB6PH	Fall	B	BPO4F	3.00	0.0958	0.0000	0.0110	0.00	No Trend	0.3075
CB6PH	Fall	S	SCHLA	1.00	0.6294	0.028	6.271	9.77	No Trend	0.8157
CB6PH	Fall	S	STSS	3.00	0.0173	-0.233	5.600	-91.47	No Trend	0.6639
CB6PH	Fall	B	BTSS	1.00	0.0126	-0.402	12.138	-72.88	No Trend	0.4353
CB6PH	Fall	S	SECCHI	0.00	0.1169	-0.019	2.150	-19.19	No Trend	0.9126
CB6PH	Fall	B	BDO	0.00	0.0084	0.037	7.725	10.40	Improving	0.8627
CB6PH	Fall	S	SSALINITY	0.00	0.0360	-0.080	21.613	-8.18	No Trend	0.9963
CB6PH	Fall	B	BSALINITY	0.00	0.0181	-0.105	24.220	-9.52	No Trend	0.6160
CB6PH	Fall	S	SWTEMP	0.00	0.7900	-0.010	14.825	-1.48	No Trend	0.9487
CB6PH	Fall	B	BWTEMP	0.00	0.6059	-0.028	15.200	-4.06	No Trend	0.9953

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
CB7PH	Fall	S	STN	0.00	0.0000	-0.0088	0.5228	-37.12	Improving	0.5788
CB7PH	Fall	B	BTN	0.00	0.0000	-0.0090	0.5594	-35.21	Improving	0.8327
CB7PH	Fall	S	SDIN	1.00	0.0114	-0.0007	0.0680	-21.49	No Trend	0.1494
CB7PH	Fall	B	BDIN	0.00	0.0197	-0.0016	0.1068	-33.39	No Trend	0.6370
CB7PH	Fall	S	STP	0.00	0.0077	-0.0003	0.0255	-26.10	Improving	0.6420
CB7PH	Fall	B	BTP	0.00	0.0001	-0.0006	0.0454	-30.51	Improving	0.8851
CB7PH	Fall	S	SPO4F	8.00	0.0282	0.0000	0.0110	0.00	No Trend	0.3115
CB7PH	Fall	B	BPO4F	5.00	0.0233	0.0000	0.0143	0.00	No Trend	0.5219
CB7PH	Fall	S	SCHLA	4.00	0.1429	0.065	5.250	27.06	No Trend	0.8738
CB7PH	Fall	S	STSS	4.00	0.0391	-0.227	5.088	-98.24	No Trend	0.7443
CB7PH	Fall	B	BTSS	1.00	0.0345	-0.225	14.475	-34.20	No Trend	0.9725
CB7PH	Fall	S	SECCHI	0.00	0.0378	-0.020	2.400	-18.33	No Trend	0.8752
CB7PH	Fall	B	BDO	0.00	0.0277	0.029	7.900	7.94	No Trend	0.7508
CB7PH	Fall	S	SSALINITY	0.00	0.2244	-0.079	23.185	-7.46	No Trend	0.6990
CB7PH	Fall	B	BSALINITY	0.00	0.1139	-0.082	25.555	-7.09	No Trend	0.4781
CB7PH	Fall	S	SWTEMP	0.00	0.5270	0.021	14.550	3.15	No Trend	0.8253
CB7PH	Fall	B	BWTEMP	0.00	0.7141	0.014	14.700	2.07	No Trend	0.6921
CB8PH	Fall	S	STN	0.00	0.3081	-0.0020	0.6208	-7.24	No Trend	0.7284
CB8PH	Fall	B	BTN	0.00	0.0172	-0.0053	0.6655	-17.36	No Trend	0.9524
CB8PH	Fall	S	SDIN	2.00	0.0336	-0.0017	0.1552	-24.02	No Trend	0.0116
CB8PH	Fall	B	BDIN	0.00	0.2766	-0.0006	0.1222	-11.46	No Trend	0.1694
CB8PH	Fall	S	STP	0.00	0.0000	-0.0008	0.0535	-30.84	Improving	0.8959
CB8PH	Fall	B	BTP	0.00	0.0001	-0.0010	0.0775	-27.82	Improving	0.8142
CB8PH	Fall	S	SPO4F	2.00	0.0000	-0.0006	0.0268	-48.86	Improving	0.3319
CB8PH	Fall	B	BPO4F	0.00	0.0000	-0.0007	0.0330	-47.04	Improving	0.4901
CB8PH	Fall	S	SCHLA	3.00	0.0431	0.105	3.213	71.83	No Trend	0.1782
CB8PH	Fall	S	STSS	2.00	0.2579	0.056	5.625	22.09	No Trend	0.8778
CB8PH	Fall	B	BTSS	0.00	0.2368	-0.162	14.275	-24.92	No Trend	0.9779
CB8PH	Fall	S	SECCHI	0.00	0.0797	-0.017	2.000	-18.33	No Trend	0.8904
CB8PH	Fall	B	BDO	0.00	0.0171	0.029	7.700	8.42	No Trend	0.5603
CB8PH	Fall	S	SSALINITY	0.00	0.0432	-0.118	25.730	-10.06	No Trend	0.4461
CB8PH	Fall	B	BSALINITY	0.00	0.0486	-0.074	30.375	-5.35	No Trend	0.5359
CB8PH	Fall	S	SWTEMP	0.00	0.5749	0.020	14.425	2.98	No Trend	0.2251
CB8PH	Fall	B	BWTEMP	0.00	0.2274	0.044	14.800	6.53	No Trend	0.5114
APPTF	Winter	S	SCHLA	0.00	0.0331	0.000	3.100	0.00	No Trend	0.7859
APPTF	Winter	S	STSS	0.00	0.4669	-0.200	13.000	-27.69	No Trend	0.3831
APPTF	Winter	B	BTSS	0.00	0.6211	-0.250	19.000	-23.68	No Trend	0.2004
APPTF	Winter	S	SECCHI	0.00	0.4300	0.000	0.550	0.00	No Trend	0.2587
APPTF	Winter	B	BDO	0.00	0.0993	0.040	12.200	7.21	No Trend	0.4141
APPTF	Winter	S	SSALINITY	0.00	0.2323	0.000	0.010	0.00	No Trend	-
APPTF	Winter	B	BSALINITY	0.00	0.1274	0.000	0.010	0.00	No Trend	0.7836
APPTF	Winter	S	SWTEMP	0.00	0.1254	0.075	2.750	60.00	No Trend	0.4060
APPTF	Winter	B	BWTEMP	0.00	0.1772	0.075	2.750	60.00	No Trend	0.3034
JMSTF1	Winter	S	SCHLA	0.00	0.0364	0.000	3.100	0.00	No Trend	0.1047
JMSTF1	Winter	S	STSS	0.00	0.3146	0.429	17.500	44.08	No Trend	0.9442
JMSTF1	Winter	B	BTSS	0.00	0.4854	0.667	47.500	25.26	No Trend	0.8656
JMSTF1	Winter	S	SECCHI	0.00	0.5703	0.000	0.450	0.00	No Trend	0.7337
JMSTF1	Winter	B	BDO	0.00	0.0314	0.048	11.550	9.05	No Trend	0.2053
JMSTF1	Winter	S	SSALINITY	0.00	0.2525	0.000	0.010	0.00	No Trend	0.3079
JMSTF1	Winter	B	BSALINITY	0.00	0.2525	0.000	0.010	0.00	No Trend	0.3079
JMSTF1	Winter	S	SWTEMP	0.00	0.6473	0.033	3.625	20.23	No Trend	0.1627
JMSTF1	Winter	B	BWTEMP	0.00	0.7489	0.023	3.625	13.96	No Trend	0.1740

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
JMSTF2	Winter	S	SCHLA	0.00	0.5208	0.000	3.100	0.00	No Trend	0.7895
JMSTF2	Winter	S	STSS	0.00	1.0000	0.000	5.000	0.00	No Trend	0.4587
JMSTF2	Winter	B	BTSS	0.00	0.4155	-0.179	29.250	-11.05	No Trend	0.3135
JMSTF2	Winter	S	SECCHI	0.00	0.7143	0.005	0.600	17.50	No Trend	0.9328
JMSTF2	Winter	B	BDO	0.00	0.8645	0.006	12.400	1.13	No Trend	0.0430
JMSTF2	Winter	S	SSALINITY	0.00	0.2323	0.000	0.010	0.00	No Trend	-
JMSTF2	Winter	B	BSALINITY	0.00	0.1867	0.000	0.010	0.00	No Trend	-
JMSTF2	Winter	S	SWTEMP	0.00	0.5832	0.044	3.125	31.29	No Trend	0.1157
JMSTF2	Winter	B	BWTEMP	0.00	0.3421	0.064	3.250	43.15	No Trend	0.1008
CHKOH	Winter	S	SCHLA	0.00	0.6321	-0.005	14.975	-0.60	No Trend	0.4347
CHKOH	Winter	S	STSS	0.00	0.8890	0.083	16.000	9.38	No Trend	0.8402
CHKOH	Winter	B	BTSS	0.00	0.8886	0.000	24.500	0.00	No Trend	0.6370
CHKOH	Winter	S	SECCHI	0.00	0.1197	0.000	0.600	0.00	No Trend	0.6885
CHKOH	Winter	B	BDO	0.00	0.0080	0.077	11.450	12.15	Improving	0.8888
CHKOH	Winter	S	SSALINITY	0.00	0.4858	0.000	0.255	0.00	No Trend	0.8514
CHKOH	Winter	B	BSALINITY	0.00	0.4858	0.000	0.255	0.00	No Trend	0.8514
CHKOH	Winter	S	SWTEMP	0.00	0.3459	-0.052	6.500	-14.40	No Trend	0.3232
CHKOH	Winter	B	BWTEMP	0.00	0.3157	-0.051	6.400	-14.34	No Trend	0.3224
JMSOH	Winter	S	SCHLA	0.00	0.8459	0.000	3.795	0.00	No Trend	0.0991
JMSOH	Winter	S	STSS	0.00	0.3157	-0.833	68.000	-22.06	No Trend	0.9396
JMSOH	Winter	B	BTSS	0.00	0.3619	-1.279	143.000	-16.10	No Trend	0.6994
JMSOH	Winter	S	SECCHI	0.00	0.4243	0.000	0.400	0.00	No Trend	0.7509
JMSOH	Winter	B	BDO	0.00	0.9019	-0.003	11.800	-0.53	No Trend	0.9482
JMSOH	Winter	S	SSALINITY	0.00	0.2168	0.040	1.630	53.37	No Trend	0.2139
JMSOH	Winter	B	BSALINITY	0.00	0.1822	0.083	4.313	42.17	No Trend	0.2931
JMSOH	Winter	S	SWTEMP	0.00	0.1752	0.085	3.350	55.64	No Trend	0.4749
JMSOH	Winter	B	BWTEMP	0.00	0.1753	0.100	3.250	67.69	No Trend	0.6059
JMSMH	Winter	S	SCHLA	0.00	0.9385	0.015	28.370	1.07	No Trend	0.3388
JMSMH	Winter	S	STSS	0.00	0.6094	0.100	9.000	24.44	No Trend	0.1273
JMSMH	Winter	B	BTSS	0.00	0.1438	0.761	11.000	124.59	No Trend	0.2454
JMSMH	Winter	S	SECCHI	0.00	0.7100	0.000	1.025	0.00	No Trend	0.5181
JMSMH	Winter	B	BDO	0.00	0.6932	-0.014	12.275	-2.44	No Trend	0.8963
JMSMH	Winter	S	SSALINITY	0.00	0.3722	0.116	14.090	18.18	No Trend	0.2006
JMSMH	Winter	B	BSALINITY	0.00	0.8630	0.017	19.123	1.92	No Trend	0.0928
JMSMH	Winter	S	SWTEMP	0.00	0.4147	0.055	2.100	57.55	No Trend	0.2953
JMSMH	Winter	B	BWTEMP	0.00	0.3004	0.066	2.300	63.45	No Trend	0.5057
JMSPH	Winter	S	SCHLA	0.00	0.3803	-0.189	22.530	-18.46	No Trend	0.0507
JMSPH	Winter	S	STSS	0.00	0.7048	0.042	8.650	10.68	No Trend	0.3912
JMSPH	Winter	B	BTSS	0.00	0.8264	-0.077	13.650	-12.42	No Trend	0.3486
JMSPH	Winter	S	SECCHI	0.00	0.1381	-0.017	1.375	-27.33	No Trend	0.8106
JMSPH	Winter	B	BDO	0.00	0.0978	0.062	11.550	11.72	No Trend	0.9200
JMSPH	Winter	S	SSALINITY	0.00	0.6901	-0.031	20.048	-3.41	No Trend	0.7801
JMSPH	Winter	B	BSALINITY	0.00	0.0038	-0.205	24.298	-18.57	Decreasing	0.6758
JMSPH	Winter	S	SWTEMP	0.00	0.0555	0.081	2.450	73.06	No Trend	0.9682
JMSPH	Winter	B	BWTEMP	0.00	0.0267	0.094	2.825	73.02	No Trend	0.8587
WBEMH	Winter	S	STN	0.00	0.8079	0.0014	0.618	4.18	No Trend	0.2187
WBEMH	Winter	B	BTN	0.00	0.9760	0.0000	0.5935	0.11	No Trend	0.3359
WBEMH	Winter	S	SDIN	14.89	0.6423	-0.0012	0.10205	-20.73	No Trend	0.5453
WBEMH	Winter	B	BDIN	8.33	0.2126	-0.0034	0.19835	-31.19	No Trend	0.3009
WBEMH	Winter	S	STP	0.00	0.8391	0.0000	0.049	1.22	No Trend	0.1811
WBEMH	Winter	B	BTP	0.00	0.3773	0.0002	0.039	11.47	No Trend	0.3968
WBEMH	Winter	S	SPO4F	75.00	0.7257	0.0000	0.0065	-	High BDLs	0.8597
WBEMH	Winter	B	BPO4F	74.00	0.1231	0.0000	0.0085	-	High BDLs	0.6802

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
WBEMH	Winter	S	SCHLA	2.22	0.4658	-0.3611	26.3	-24.72	No Trend	0.2353
WBEMH	Winter	S	STSS	0.00	0.3509	-0.1402	13.4	-18.83	No Trend	0.2812
WBEMH	Winter	B	BTSS	0.00	0.7636	-0.0789	12.45	-11.41	No Trend	0.8367
WBEMH	Winter	S	SECCHI	0.00	0.0523	-0.0167	0.95	-31.58	No Trend	0.9588
WBEMH	Winter	B	BDO	0.00	0.5620	0.0278	12	4.17	No Trend	0.2377
WBEMH	Winter	S	SSALINITY	0.00	0.5811	-0.0556	15.45	-6.47	No Trend	0.2723
WBEMH	Winter	B	BSALINITY	0.00	0.5620	-0.0435	16	-4.89	No Trend	0.2151
WBEMH	Winter	S	SWTEMP	0.00	0.5050	-0.0873	6.65	-23.62	No Trend	0.5780
WBEMH	Winter	B	BWTEMP	0.00	0.6637	-0.0425	6.1	-12.54	No Trend	0.4409
SBEMH	Winter	S	STN	0.00	0.0006	-0.0369	1.7465	-38.03	Improving	0.8894
SBEMH	Winter	B	BTN	0.00	0.0049	-0.0218	1.147	-34.22	Improving	0.4935
SBEMH	Winter	S	SDIN	0.00	0.0001	-0.0344	1.0359	-59.83	Improving	0.6187
SBEMH	Winter	B	BDIN	0.00	0.0049	-0.0177	0.615325	-51.90	Improving	0.8292
SBEMH	Winter	S	STP	0.00	0.0000	-0.0017	0.06125	-50.14	Improving	0.4139
SBEMH	Winter	B	BTP	0.00	0.0000	-0.0016	0.06	-46.83	Improving	0.6085
SBEMH	Winter	S	SPO4F	33.33	0.0627	-0.0005	0.033	-	No Trend	0.1621
SBEMH	Winter	B	BPO4F	41.54	0.0150	-0.0005	0.02675	-	High BDLs	0.5533
SBEMH	Winter	S	SCHLA	7.81	0.6848	-0.1069	5.175	-37.17	No Trend	0.2554
SBEMH	Winter	S	STSS	1.56	0.0136	-0.3000	11.575	-46.65	No Trend	0.1636
SBEMH	Winter	B	BTSS	0.00	0.0408	-0.3833	11.625	-59.35	No Trend	0.6003
SBEMH	Winter	S	SECCHI	0.00	0.3983	-0.0111	0.75	-26.67	No Trend	0.6068
SBEMH	Winter	B	BDO	0.00	0.2700	0.0500	8.625	10.43	No Trend	0.7390
SBEMH	Winter	S	SSALINITY	0.00	0.7063	0.0580	12.95	8.06	No Trend	0.8119
SBEMH	Winter	B	BSALINITY	0.00	0.4339	-0.0832	17.775	-8.43	No Trend	0.7103
SBEMH	Winter	B	BWTEMP	0.00	0.1471	0.0725	7.7	16.95	No Trend	0.6036
SBEMH	Winter	S	SWTEMP	0.00	0.4006	-0.0430	10.85	-7.13	No Trend	0.7807
EBEMH	Winter	S	STN	0.00	0.0245	-0.0170	1.1005	-27.84	No Trend	0.9687
EBEMH	Winter	B	BTN	0.00	0.0926	-0.0092	0.966	-17.13	No Trend	0.9521
EBEMH	Winter	S	SDIN	0.00	0.0396	-0.0153	0.5648	-48.84	No Trend	0.9794
EBEMH	Winter	B	BDIN	0.00	0.0297	-0.0116	0.4811	-43.39	No Trend	0.9875
EBEMH	Winter	S	STP	0.00	0.0174	-0.0008	0.0565	-26.55	No Trend	0.5782
EBEMH	Winter	B	BTP	0.00	0.0161	-0.0009	0.057	-28.55	No Trend	0.6008
EBEMH	Winter	S	SPO4F	60.61	0.0734	0.0000	0.014	-	High BDLs	0.7458
EBEMH	Winter	B	BPO4F	69.70	0.1291	0.0000	0.0145	-	High BDLs	0.7084
EBEMH	Winter	S	SCHLA	3.03	0.2347	-0.3622	16.56	-39.37	No Trend	0.1471
EBEMH	Winter	S	STSS	0.00	0.0223	-0.4203	11.5	-65.78	No Trend	0.2178
EBEMH	Winter	B	BTSS	0.00	0.1665	-0.3102	12.05	-46.33	No Trend	0.5806
EBEMH	Winter	S	SECCHI	0.00	0.3791	-0.0083	0.95	-15.79	No Trend	0.0835
EBEMH	Winter	B	BDO	0.00	0.0396	0.0879	9.8	16.14	No Trend	0.7058
EBEMH	Winter	S	SSALINITY	0.00	0.7718	-0.0347	15.95	-3.91	No Trend	0.4975
EBEMH	Winter	B	BSALINITY	0.00	0.6848	-0.0367	17.65	-3.74	No Trend	0.2096
EBEMH	Winter	B	BWTEMP	0.00	0.4685	-0.0479	7.05	-12.22	No Trend	0.4610
EBEMH	Winter	S	SWTEMP	0.00	0.5620	-0.0510	7.25	-12.66	No Trend	0.5243
LAFMH	Winter	S	STN	0.00	0.2655	0.0120	0.5765	18.73	No Trend	0.6755
LAFMH	Winter	B	BTN	0.00	0.5488	0.0207	0.582	31.96	No Trend	0.4864
LAFMH	Winter	S	SDIN	10.34	0.9177	-0.0001	0.327	-0.28	No Trend	0.5663
LAFMH	Winter	B	BDIN	13.79	0.9177	0.0010	0.32675	2.70	No Trend	0.4542
LAFMH	Winter	S	STP	0.00	0.2655	0.0012	0.04275	25.61	No Trend	0.6755
LAFMH	Winter	B	BTP	0.00	0.1454	0.0010	0.044	20.80	No Trend	0.4755
LAFMH	Winter	S	SPO4F	68.75	0.3157	0.0000	0.00625	-	High BDLs	0.1317
LAFMH	Winter	B	BPO4F	60.61	0.2172	0.0000	0.01	-	High BDLs	0.2080

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
LAFMH	Winter	S	SCHLA	0.00	0.0790	1.0190	8.96875	90.89	No Trend	0.2052
LAFMH	Winter	S	STSS	0.00	0.0586	1.2143	7.5	145.71	No Trend	0.9937
LAFMH	Winter	B	BTSS	0.00	0.0472	1.5714	7.5	188.57	No Trend	0.9120
LAFMH	Winter	S	SECCHI	0.00	0.1659	-0.0500	1.1	-40.91	No Trend	0.9254
LAFMH	Winter	B	BDO	0.00	0.0130	0.3450	9.9025	31.36	No Trend	0.2156
LAFMH	Winter	S	SSALINITY	0.00	0.6685	-0.3175	16.9625	-16.85	No Trend	0.8503
LAFMH	Winter	B	BSALINITY	0.00	0.7972	-0.2500	17.2	-13.08	No Trend	0.9671
LAFMH	Winter	B	BWTEMP	0.00	0.2655	-0.2917	7.5175	-34.92	No Trend	0.1341
LAFMH	Winter	S	SWTEMP	0.00	0.3461	-0.1050	7.45125	-12.68	No Trend	0.1768
ELIPH	Winter	S	SCHLA	1.05	0.4903	-0.1635	14.77	-23.24	No Trend	0.1674
ELIPH	Winter	S	STSS	0.00	0.8723	-0.0186	11	-3.05	No Trend	0.1336
ELIPH	Winter	B	BTSS	0.00	0.2961	-0.4265	17.775	-43.19	No Trend	0.2494
ELIPH	Winter	S	SECCHI	0.00	0.0791	-0.0118	1.05	-24.74	No Trend	0.5376
ELIPH	Winter	B	BDO	0.00	0.2885	0.0331	11.1	6.56	No Trend	0.7615
ELIPH	Winter	S	SSALINITY	0.00	0.3256	-0.0950	19.72	-10.60	No Trend	0.4916
ELIPH	Winter	B	BSALINITY	0.00	0.0806	-0.1014	22.065	-10.11	No Trend	0.8628
ELIPH	Winter	B	BWTEMP	0.00	0.6109	0.0339	2.9	25.68	No Trend	0.4226
ELIPH	Winter	S	SWTEMP	0.00	0.1328	0.0953	2	104.87	No Trend	0.2355
PMKTF	Winter	S	SCHLA	0.00	0.0497	0.000	3.100	0.00	No Trend	0.2184
PMKTF	Winter	S	STSS	0.00	0.7700	0.089	19.500	8.21	No Trend	0.6397
PMKTF	Winter	B	BTSS	0.00	0.6918	-0.202	25.000	-14.55	No Trend	0.3988
PMKTF	Winter	S	SECCHI	0.00	0.9804	0.000	0.550	0.00	No Trend	0.6732
PMKTF	Winter	B	BDO	0.00	0.6131	0.019	12.050	3.53	No Trend	0.7136
PMKTF	Winter	S	SSALINITY	0.00	0.1621	0.000	0.010	0.00	No Trend	0.9122
PMKTF	Winter	B	BSALINITY	0.00	0.1867	0.000	0.010	0.00	No Trend	0.9769
PMKTF	Winter	S	SWTEMP	0.00	0.4654	0.050	3.000	36.67	No Trend	0.9971
PMKTF	Winter	B	BWTEMP	0.00	0.4351	0.052	3.000	38.04	No Trend	0.9631
PMKOH	Winter	S	SCHLA	0.00	0.2211	0.000	3.100	0.00	No Trend	0.9174
PMKOH	Winter	S	STSS	0.00	0.9605	0.000	86.000	0.00	No Trend	0.7661
PMKOH	Winter	B	BTSS	0.00	0.5269	2.385	72.000	56.30	No Trend	0.7866
PMKOH	Winter	S	SECCHI	0.00	0.1924	0.000	0.300	0.00	No Trend	0.8415
PMKOH	Winter	B	BDO	0.00	0.9051	0.000	12.050	0.00	No Trend	0.9465
PMKOH	Winter	S	SSALINITY	0.00	0.1732	0.115	0.700	361.27	No Trend	0.3340
PMKOH	Winter	B	BSALINITY	0.00	0.1654	0.127	0.980	286.04	No Trend	0.5516
PMKOH	Winter	S	SWTEMP	0.00	0.8865	0.010	2.300	9.57	No Trend	0.7789
PMKOH	Winter	B	BWTEMP	0.00	0.7935	0.013	2.350	12.12	No Trend	0.8752
MPNTF	Winter	S	SCHLA	0.00	0.6169	0.000	3.100	0.00	No Trend	-
MPNTF	Winter	S	STSS	0.00	0.4332	0.182	11.000	29.75	No Trend	0.2713
MPNTF	Winter	B	BTSS	0.00	0.1717	0.273	8.000	61.36	No Trend	0.4266
MPNTF	Winter	S	SECCHI	0.00	0.0546	-0.017	0.750	-48.89	No Trend	0.7329
MPNTF	Winter	B	BDO	0.00	0.3692	0.033	12.600	5.76	No Trend	0.2865
MPNTF	Winter	S	SSALINITY	0.00	0.5089	0.000	0.010	0.00	No Trend	-
MPNTF	Winter	B	BSALINITY	0.00	0.5089	0.000	0.010	0.00	No Trend	-
MPNTF	Winter	S	SWTEMP	0.00	0.7402	0.027	2.500	23.66	No Trend	0.8167
MPNTF	Winter	B	BWTEMP	0.00	0.8687	0.025	2.500	21.71	No Trend	0.8434
MPNOH	Winter	S	SCHLA	0.00	0.3878	0.000	3.100	0.00	No Trend	0.3566
MPNOH	Winter	S	STSS	0.00	0.0109	-1.109	60.000	-40.67	No Trend	0.8772
MPNOH	Winter	B	BTSS	0.00	0.2705	1.000	30.500	59.02	No Trend	0.3909
MPNOH	Winter	S	SECCHI	0.00	0.2646	0.000	0.300	0.00	No Trend	0.2278
MPNOH	Winter	B	BDO	0.00	0.8595	0.004	12.350	0.76	No Trend	0.7951
MPNOH	Winter	S	SSALINITY	0.00	0.3302	0.033	0.320	229.17	No Trend	0.5560
MPNOH	Winter	B	BSALINITY	0.00	0.3804	0.042	0.310	298.06	No Trend	0.6866
MPNOH	Winter	S	SWTEMP	0.00	0.4656	0.043	2.100	44.80	No Trend	0.9613
MPNOH	Winter	B	BWTEMP	0.00	0.3766	0.041	2.000	45.38	No Trend	0.9042

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
YRKMH	Winter	S	SCHLA	0.00	0.3334	0.121	10.290	24.74	No Trend	0.1087
YRKMH	Winter	S	STSS	0.00	0.9777	0.000	18.250	0.00	No Trend	0.5561
YRKMH	Winter	B	BTSS	0.00	0.0037	3.500	29.375	214.47	Degrading	0.6611
YRKMH	Winter	S	SECCHI	0.00	0.7546	0.000	0.675	0.00	No Trend	0.2405
YRKMH	Winter	B	BDO	0.00	0.9294	0.000	12.025	0.00	No Trend	0.2885
YRKMH	Winter	S	SSALINITY	0.00	0.4089	0.103	8.705	26.13	No Trend	0.5819
YRKMH	Winter	B	BSALINITY	0.00	0.5057	0.076	11.180	14.97	No Trend	0.4488
YRKMH	Winter	S	SWTEMP	0.00	1.0000	0.000	2.175	0.09	No Trend	0.7904
YRKMH	Winter	B	BWTEMP	0.00	0.7236	0.025	2.400	23.09	No Trend	0.6039
YRKPH	Winter	S	SCHLA	0.00	0.1563	-0.239	17.700	-28.37	No Trend	0.2259
YRKPH	Winter	S	STSS	0.00	0.8415	0.000	8.500	0.00	No Trend	0.7333
YRKPH	Winter	B	BTSS	0.00	0.0080	1.409	11.750	215.86	Degrading	0.8888
YRKPH	Winter	S	SECCHI	0.00	0.9469	0.000	1.125	0.00	No Trend	0.6424
YRKPH	Winter	B	BDO	0.00	0.2324	-0.040	12.150	-7.20	No Trend	0.7554
YRKPH	Winter	S	SSALINITY	0.00	0.9269	-0.020	18.180	-2.42	No Trend	0.8544
YRKPH	Winter	B	BSALINITY	0.00	0.4350	0.052	20.990	5.44	No Trend	0.0984
YRKPH	Winter	S	SWTEMP	0.00	1.0000	0.005	2.475	4.41	No Trend	0.6578
YRKPH	Winter	B	BWTEMP	0.00	0.6264	0.026	3.325	17.23	No Trend	0.3606
MOBPH	Winter	S	STN	0.00	0.0061	-0.0066	0.4593	-31.59	Improving	0.8672
MOBPH	Winter	B	BTN	0.00	0.0160	-0.0066	0.5075	-28.64	No Trend	0.5515
MOBPH	Winter	S	SDIN	0.00	0.0034	-0.0012	0.0475	-55.19	Improving	0.2851
MOBPH	Winter	B	BDIN	0.00	0.0170	-0.0011	0.0618	-38.77	No Trend	0.4215
MOBPH	Winter	S	STP	0.00	0.0489	-0.0003	0.0283	-24.37	No Trend	0.6280
MOBPH	Winter	B	BTP	0.00	0.0698	-0.0004	0.0318	-26.91	No Trend	0.4658
MOBPH	Winter	S	SPO4F	7.00	0.0162	0.0000	0.0050	0.00	No Trend	0.6233
MOBPH	Winter	B	BPO4F	8.00	0.0162	0.0000	0.0050	0.00	No Trend	0.6233
MOBPH	Winter	S	SCHLA	0.00	0.4262	-0.105	7.655	-30.24	No Trend	0.5754
MOBPH	Winter	S	STSS	0.00	0.0769	-0.256	13.300	-42.41	No Trend	0.4664
MOBPH	Winter	B	BTSS	0.00	0.0141	-0.563	22.525	-54.98	No Trend	0.3407
MOBPH	Winter	S	SECCHI	0.00	0.8421	-0.004	1.475	-5.80	No Trend	0.8823
MOBPH	Winter	B	BDO	0.00	0.2504	0.042	11.950	7.77	No Trend	0.3984
MOBPH	Winter	S	SSALINITY	0.00	0.4237	-0.064	20.400	-6.95	No Trend	0.4832
MOBPH	Winter	B	BSALINITY	0.00	0.2627	-0.096	20.815	-10.18	No Trend	0.2362
MOBPH	Winter	S	SWTEMP	0.00	0.2326	0.057	3.300	38.11	No Trend	0.9989
MOBPH	Winter	B	BWTEMP	0.00	0.2413	0.065	3.050	46.84	No Trend	0.8439
RPPTF	Winter	S	SCHLA	0.00	0.8529	0.000	3.100	0.00	No Trend	0.7329
RPPTF	Winter	S	STSS	0.00	0.4210	0.333	25.500	23.53	No Trend	0.3907
RPPTF	Winter	B	BTSS	0.00	0.5377	0.500	46.500	19.35	No Trend	0.2279
RPPTF	Winter	S	SECCHI	0.00	0.1834	-0.007	0.450	-29.15	No Trend	0.3085
RPPTF	Winter	B	BDO	0.00	0.1841	0.040	12.700	6.99	No Trend	0.8564
RPPTF	Winter	S	SSALINITY	0.00	0.0059	0.000	0.010	0.00	Unchanged	0.9986
RPPTF	Winter	B	BSALINITY	0.00	0.0070	0.000	0.010	0.00	Unchanged	0.9554
RPPTF	Winter	S	SWTEMP	0.00	0.1854	0.093	2.000	102.40	No Trend	0.2316
RPPTF	Winter	B	BWTEMP	0.00	0.3764	0.056	3.000	40.91	No Trend	0.4861
RPPOH	Winter	S	SCHLA	0.00	0.6212	0.000	3.100	0.00	No Trend	0.4874
RPPOH	Winter	S	STSS	0.00	0.5795	0.423	42.000	18.13	No Trend	0.9297
RPPOH	Winter	B	BTSS	0.00	0.3822	1.071	43.000	44.85	No Trend	0.3822
RPPOH	Winter	S	SECCHI	0.00	0.1866	0.000	0.350	0.00	No Trend	0.9227
RPPOH	Winter	B	BDO	0.00	0.2982	-0.017	12.850	-2.89	No Trend	0.8429
RPPOH	Winter	S	SSALINITY	0.00	0.4940	0.000	0.500	0.00	No Trend	0.9298
RPPOH	Winter	B	BSALINITY	0.00	0.7508	0.000	0.410	0.00	No Trend	0.8704
RPPOH	Winter	S	SWTEMP	0.00	0.0973	0.102	2.900	77.35	No Trend	0.5696
RPPOH	Winter	B	BWTEMP	0.00	0.1579	0.105	2.950	77.97	No Trend	0.5032

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
RPPMH	Winter	S	SCHLA	0.00	0.3911	-0.061	9.415	-14.34	No Trend	0.0979
RPPMH	Winter	S	STSS	1.00	0.1240	0.169	7.750	47.97	No Trend	0.5357
RPPMH	Winter	B	BTSS	0.00	0.9841	0.000	16.500	0.00	No Trend	0.5359
RPPMH	Winter	S	SECCHI	0.00	0.0217	-0.030	1.500	-44.00	No Trend	0.7642
RPPMH	Winter	B	BDO	0.00	0.7647	0.007	12.300	1.32	No Trend	0.5103
RPPMH	Winter	S	SSALINITY	0.00	0.0269	-0.274	14.583	-41.39	No Trend	0.8572
RPPMH	Winter	B	BSALINITY	0.00	0.0363	-0.228	17.273	-29.00	No Trend	0.8886
RPPMH	Winter	S	SWTEMP	0.00	0.1399	0.067	3.225	45.75	No Trend	0.8419
RPPMH	Winter	B	BWTEMP	0.00	0.1454	0.069	2.675	56.60	No Trend	0.7348
CRRMH	Winter	S	SCHLA	0.00	0.8779	0.000	4.450	0.00	No Trend	0.5083
CRRMH	Winter	S	STSS	1.00	0.2078	0.000	5.000	0.00	No Trend	0.4708
CRRMH	Winter	B	BTSS	0.00	0.3264	0.000	5.000	0.00	No Trend	0.4366
CRRMH	Winter	S	SECCHI	0.00	0.4383	-0.015	2.750	-11.71	No Trend	0.7793
CRRMH	Winter	B	BDO	0.00	0.9803	-0.003	12.750	-0.55	No Trend	0.4430
CRRMH	Winter	S	SSALINITY	0.00	0.3962	-0.100	15.810	-13.92	No Trend	0.9113
CRRMH	Winter	B	BSALINITY	0.00	0.3962	-0.100	16.500	-13.33	No Trend	0.9245
CRRMH	Winter	S	SWTEMP	0.00	0.4279	0.045	3.800	26.26	No Trend	0.4883
CRRMH	Winter	B	BWTEMP	0.00	0.2870	0.049	3.550	30.07	No Trend	0.5352
PIAMH	Winter	S	STN	0.00	0.0633	-0.0072	0.6055	-26.18	No Trend	0.2978
PIAMH	Winter	B	BTN	0.00	0.1705	-0.0043	0.5580	-16.82	No Trend	0.5916
PIAMH	Winter	S	SDIN	2.00	0.3114	-0.0003	0.1095	-6.53	No Trend	0.4621
PIAMH	Winter	B	BDIN	2.00	0.6847	0.0000	0.0770	0.00	No Trend	0.6368
PIAMH	Winter	S	STP	0.00	0.0730	-0.0002	0.0190	-17.78	No Trend	0.5196
PIAMH	Winter	B	BTP	0.00	0.1566	-0.0001	0.0195	-11.28	No Trend	0.7953
PIAMH	Winter	S	SPO4F	1.00	0.0037	0.0000	0.0080	0.00	Unchanged	0.9786
PIAMH	Winter	B	BPO4F	2.00	0.0157	0.0000	0.0050	0.00	No Trend	0.6027
PIAMH	Winter	S	SCHLA	0.00	0.6424	-0.096	6.975	-30.42	No Trend	0.5911
PIAMH	Winter	S	STSS	0.00	0.1147	-0.120	13.350	-19.78	No Trend	0.0735
PIAMH	Winter	B	BTSS	0.00	0.0131	-0.231	13.500	-37.69	No Trend	0.6240
PIAMH	Winter	S	SECCHI	0.00	0.5212	-0.013	1.800	-16.37	No Trend	0.3569
PIAMH	Winter	B	BDO	0.00	0.0201	0.056	11.500	10.63	No Trend	0.8810
PIAMH	Winter	S	SSALINITY	0.00	0.4237	-0.097	16.485	-12.90	No Trend	0.8822
PIAMH	Winter	B	BSALINITY	0.00	0.5677	-0.062	17.560	-7.73	No Trend	0.9479
PIAMH	Winter	S	SWTEMP	0.00	0.1570	0.071	2.100	73.92	No Trend	0.3719
PIAMH	Winter	B	BWTEMP	0.00	0.1845	0.068	2.400	62.64	No Trend	0.5045
POCMH	Winter	S	STN	0.00	0.0193	-0.0120	0.7150	-35.36	No Trend	0.7698
POCMH	Winter	B	BTN	0.00	0.0450	-0.0096	0.6710	-30.14	No Trend	0.9364
POCMH	Winter	S	SDIN	0.00	0.0511	-0.0037	0.1720	-45.51	No Trend	0.6335
POCMH	Winter	B	BDIN	0.00	0.0352	-0.0042	0.1650	-53.77	No Trend	0.4290
POCMH	Winter	S	STP	0.00	0.0265	-0.0008	0.0300	-52.89	No Trend	0.3838
POCMH	Winter	B	BTP	0.00	0.0062	-0.0009	0.0410	-44.05	Improving	0.2694
POCMH	Winter	S	SPO4F	1.00	0.1098	0.0000	0.0050	0.00	No Trend	0.1458
POCMH	Winter	B	BPO4F	1.00	0.1185	0.0000	0.0050	0.00	No Trend	0.1570
POCMH	Winter	S	SCHLA	0.00	0.2273	-0.192	11.790	-34.25	No Trend	0.6329
POCMH	Winter	S	STSS	0.00	0.3619	-0.314	24.000	-27.50	No Trend	0.1348
POCMH	Winter	B	BTSS	0.00	0.2675	-0.450	29.000	-32.59	No Trend	0.1674
POCMH	Winter	S	SECCHI	0.00	0.5041	0.009	0.700	27.27	No Trend	0.7470
POCMH	Winter	B	BDO	0.00	0.2462	0.025	11.900	4.41	No Trend	0.2382
POCMH	Winter	S	SSALINITY	0.00	0.9803	0.000	17.760	0.05	No Trend	0.9786
POCMH	Winter	B	BSALINITY	0.00	0.9803	-0.001	17.840	-0.11	No Trend	0.6711
POCMH	Winter	S	SWTEMP	0.00	0.1674	0.103	1.500	144.31	No Trend	0.6130
POCMH	Winter	B	BWTEMP	0.00	0.1999	0.070	1.500	98.00	No Trend	0.5842

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
CB5MH	Winter	S	STN	0.00	0.3803	-0.0061	0.7803	-17.34	No Trend	0.4978
CB5MH	Winter	B	BTN	0.00	0.2090	-0.0038	0.6865	-12.18	No Trend	0.9204
CB5MH	Winter	S	SDIN	0.00	0.7197	-0.0011	0.2436	-9.80	No Trend	0.5766
CB5MH	Winter	B	BDIN	0.00	0.0381	-0.0034	0.1569	-47.36	No Trend	0.7197
CB5MH	Winter	S	STP	0.00	1.0000	0.0000	0.0171	0.00	No Trend	0.4976
CB5MH	Winter	B	BTP	0.00	0.7497	0.0000	0.0273	3.47	No Trend	0.8420
CB5MH	Winter	S	SPO4F	9.00	-	0.0000	0.0050	0.00	-	-
CB5MH	Winter	B	BPO4F	6.00	0.1343	0.0000	0.0050	0.00	No Trend	-
CB5MH	Winter	S	SCHLA	0.00	0.5766	-0.077	8.716	-19.35	No Trend	0.2164
CB5MH	Winter	S	STSS	2.00	0.0028	-0.134	8.075	-36.37	Improving	0.8109
CB5MH	Winter	B	BTSS	0.00	0.0696	-0.274	15.675	-38.45	No Trend	0.4604
CB5MH	Winter	S	SECCHI	0.00	0.7034	-0.001	1.900	-1.38	No Trend	0.7643
CB5MH	Winter	B	BDO	0.00	0.4020	-0.020	10.875	-3.97	No Trend	0.2312
CB5MH	Winter	S	SSALINITY	0.00	0.3803	-0.105	16.020	-14.45	No Trend	0.6042
CB5MH	Winter	B	BSALINITY	0.00	0.9682	-0.006	18.778	-0.71	No Trend	1.0000
CB5MH	Winter	S	SWTEMP	0.00	0.1452	0.056	2.225	55.44	No Trend	0.9841
CB5MH	Winter	B	BWTEMP	0.00	0.3281	0.044	2.800	34.61	No Trend	0.8261
CB6PH	Winter	S	STN	0.00	0.3698	-0.0036	0.5225	-15.36	No Trend	0.7007
CB6PH	Winter	B	BTN	0.00	0.0447	-0.0060	0.5223	-25.11	No Trend	0.8981
CB6PH	Winter	S	SDIN	0.00	0.4937	-0.0011	0.1218	-20.43	No Trend	0.3252
CB6PH	Winter	B	BDIN	0.00	0.1514	-0.0013	0.1011	-28.87	No Trend	0.1779
CB6PH	Winter	S	STP	0.00	0.0032	-0.0005	0.0296	-37.13	Improving	0.8981
CB6PH	Winter	B	BTP	0.00	0.0045	-0.0007	0.0484	-30.88	Improving	0.4547
CB6PH	Winter	S	SPO4F	11.00	0.0153	0.0000	0.0050	0.00	No Trend	0.6129
CB6PH	Winter	B	BPO4F	6.00	0.0153	0.0000	0.0050	0.00	No Trend	0.6129
CB6PH	Winter	S	SCHLA	0.00	0.0447	-0.197	9.718	-44.53	No Trend	0.5218
CB6PH	Winter	S	STSS	0.00	0.0015	-0.319	13.563	-51.81	Improving	0.6533
CB6PH	Winter	B	BTSS	0.00	0.0602	-0.304	19.563	-34.14	No Trend	0.9319
CB6PH	Winter	S	SECCHI	0.00	0.4040	0.013	1.475	19.13	No Trend	0.5636
CB6PH	Winter	B	BDO	0.00	0.4547	0.020	11.500	3.77	No Trend	0.6540
CB6PH	Winter	S	SSALINITY	0.00	0.2001	-0.116	19.088	-13.42	No Trend	0.7326
CB6PH	Winter	B	BSALINITY	0.00	0.0447	-0.103	22.705	-10.01	No Trend	0.8309
CB6PH	Winter	S	SWTEMP	0.00	0.2317	0.061	2.875	46.82	No Trend	0.7975
CB6PH	Winter	B	BWTEMP	0.00	0.2577	0.053	3.100	37.40	No Trend	0.5932
CB7PH	Winter	S	STN	0.00	0.1856	-0.0044	0.4986	-19.30	No Trend	0.7007
CB7PH	Winter	B	BTN	0.00	0.1242	-0.0040	0.5032	-17.58	No Trend	0.7326
CB7PH	Winter	S	SDIN	0.00	0.5759	-0.0002	0.1055	-3.58	No Trend	0.3223
CB7PH	Winter	B	BDIN	0.00	0.3556	-0.0008	0.0770	-21.72	No Trend	0.2543
CB7PH	Winter	S	STP	0.00	0.0003	-0.0004	0.0258	-37.09	Improving	0.5931
CB7PH	Winter	B	BTP	0.00	0.0726	-0.0004	0.0425	-23.03	No Trend	0.3040
CB7PH	Winter	S	SPO4F	19.00	0.0153	0.0000	0.0050	-	No Trend	0.6129
CB7PH	Winter	B	BPO4F	17.00	0.0153	0.0000	0.0050	-	No Trend	0.6129
CB7PH	Winter	S	SCHLA	0.00	0.0236	-0.238	8.778	-59.58	No Trend	0.8981
CB7PH	Winter	S	STSS	1.00	0.0067	-0.194	9.100	-46.93	Improving	0.9835
CB7PH	Winter	B	BTSS	1.00	0.0727	-0.418	24.650	-37.34	No Trend	0.4937
CB7PH	Winter	S	SECCHI	0.00	0.2837	0.014	1.650	19.05	No Trend	0.6064
CB7PH	Winter	B	BDO	0.00	0.2072	0.037	11.275	7.12	No Trend	0.2945
CB7PH	Winter	S	SSALINITY	0.00	0.2001	-0.120	19.670	-13.42	No Trend	0.7326
CB7PH	Winter	B	BSALINITY	0.00	0.8309	-0.015	21.920	-1.47	No Trend	0.2156
CB7PH	Winter	S	SWTEMP	0.00	0.1584	0.064	2.525	55.49	No Trend	0.6085
CB7PH	Winter	B	BWTEMP	0.00	0.1852	0.063	3.050	45.44	No Trend	0.6695

Appendix B - Section II. Continued.

Segment	Season	Layer	Parameter	% BDL	P value	Slope	Baseline	% Change	Direction	Homogeneity test P value
CB8PH	Winter	S	STN	0.00	0.6083	-0.0009	0.4191	-4.65	No Trend	0.3931
CB8PH	Winter	B	BTN	0.00	0.2669	-0.0041	0.3943	-22.95	No Trend	0.8644
CB8PH	Winter	S	SDIN	0.00	0.3576	0.0000	0.0580	0.00	No Trend	0.0079
CB8PH	Winter	B	BDIN	0.00	0.6640	0.0000	0.0360	0.00	No Trend	0.0689
CB8PH	Winter	S	STP	0.00	0.0000	-0.0009	0.0405	-50.79	Improving	0.9667
CB8PH	Winter	B	BTP	0.00	0.0055	-0.0006	0.0445	-31.91	Improving	0.5795
CB8PH	Winter	S	SPO4F	4.00	0.0551	0.0000	0.0080	0.00	No Trend	0.3605
CB8PH	Winter	B	BPO4F	3.00	0.0004	0.0000	0.0130	0.00	Unchanged	0.1678
CB8PH	Winter	S	SCHLA	0.00	0.2489	-0.146	7.695	-41.86	No Trend	0.7650
CB8PH	Winter	S	STSS	2.00	0.1165	-0.166	8.450	-43.22	No Trend	0.9723
CB8PH	Winter	B	BTSS	1.00	0.3198	-0.219	12.200	-39.45	No Trend	0.9757
CB8PH	Winter	S	SECCHI	0.00	0.7302	0.000	2.000	0.00	No Trend	0.5456
CB8PH	Winter	B	BDO	0.00	0.4167	0.023	11.350	4.43	No Trend	0.8645
CB8PH	Winter	S	SSALINITY	0.00	0.0601	-0.200	25.850	-17.00	No Trend	0.7970
CB8PH	Winter	B	BSALINITY	0.00	0.0914	-0.071	29.640	-5.29	No Trend	0.1923
CB8PH	Winter	S	SWTEMP	0.00	0.3696	0.049	3.050	35.15	No Trend	0.5497
CB8PH	Winter	B	BWTEMP	0.00	0.1404	0.063	3.650	37.67	No Trend	0.5935