

Appendix E – Mean and standard deviation of contribution to fishes from each primary source included in mixing models. Site Codes: ULN = Upper Lindsey Slough, LWR = Lower, UCA = Upper Cache Slough. Primary Producer Categories: BD = benthic diatoms. EM = emergent vegetation, GFA = green filamentous algae, Phyto = phytoplankton, SAV= submersed aquatic vegetation. Species codes are in Table 1.

Region	Species	Source	Category	Spring		Summer	
				Mean	SD	Mean	SD
LWR	BC	<i>C. caroliniana/E. densa/L. peploides</i>	SAV	---	---	0.12	0.12
LWR	BC	Green filamentous algae	GFA	---	---	0.06	0.06
LWR	BC	<i>J. baltica</i>	EmV	---	---	0.07	0.06
LWR	BC	<i>C. demersum/M. spicatum</i>	SAV	---	---	0.08	0.07
LWR	BC	Phytoplankton	Phyto	---	---	0.28	0.13
LWR	BC	<i>Typha sp./S. californicus</i>	EmV	---	---	0.39	0.18
LWR	BG	<i>C. caroliniana/E. densa/L. peploides</i>	SAV	---	---	0.10	0.09
LWR	BG	Green filamentous algae	GFA	---	---	0.12	0.09
LWR	BG	<i>J. baltica</i>	EmV	---	---	0.06	0.05
LWR	BG	<i>C. demersum/M. spicatum</i>	SAV	---	---	0.19	0.10
LWR	BG	Phytoplankton	Phyto	---	---	0.12	0.11
LWR	BG	<i>Typha sp./S. californicus</i>	EmV	---	---	0.42	0.18
LWR	BLB	Benthic diatoms	BD	0.05	0.04	---	---
LWR	BLB	<i>C. caroliniana/E. densa/L. peploides</i>	SAV	0.07	0.07	0.15	0.13
LWR	BLB	Green filamentous algae	GFA	0.05	0.05	0.07	0.06
LWR	BLB	<i>J. baltica</i>	EmV	0.05	0.05	0.10	0.09
LWR	BLB	<i>C. demersum/M. spicatum</i>	SAV	0.05	0.06	0.12	0.11
LWR	BLB	Phytoplankton	Phyto	0.48	0.16	0.18	0.11
LWR	BLB	<i>Typha sp./S. californicus</i>	EmV	0.25	0.19	0.38	0.18
LWR	BLP	Benthic diatoms	BD	0.07	0.07	---	---
LWR	BLP	<i>C. caroliniana/E. densa/L. peploides</i>	SAV	0.13	0.13	0.12	0.12
LWR	BLP	Green filamentous algae	GFA	0.06	0.05	0.06	0.06
LWR	BLP	<i>J. baltica</i>	EmV	0.09	0.08	0.10	0.08
LWR	BLP	<i>C. demersum/M. spicatum</i>	SAV	0.10	0.10	0.13	0.09
LWR	BLP	Phytoplankton	Phyto	0.21	0.13	0.16	0.10
LWR	BLP	<i>Typha sp./S. californicus</i>	EmV	0.34	0.17	0.44	0.19
LWR	DS	Benthic diatoms	BD	0.04	0.04	---	---
LWR	DS	<i>C. caroliniana/E. densa/L. peploides</i>	SAV	0.09	0.09	0.11	0.09
LWR	DS	Green filamentous algae	GFA	0.04	0.04	0.07	0.05
LWR	DS	<i>J. baltica</i>	EmV	0.06	0.06	0.18	0.14
LWR	DS	<i>C. demersum/M. spicatum</i>	SAV	0.06	0.06	0.10	0.08
LWR	DS	Phytoplankton	Phyto	0.60	0.13	0.43	0.10
LWR	DS	<i>Typha sp./S. californicus</i>	EmV	0.11	0.10	0.12	0.10
LWR	GSH	Benthic diatoms	BD	0.27	0.11	---	---
LWR	GSH	<i>C. caroliniana/E. densa/L. peploides</i>	SAV	0.08	0.09	0.05	0.04
LWR	GSH	Green filamentous algae	GFA	0.08	0.07	0.07	0.04

Region	Species	Source	Category	Spring		Summer	
				Mean	SD	Mean	SD
LWR	GSH	<i>J. baltica</i>	EmV	0.04	0.04	0.03	0.03
LWR	GSH	<i>C. demersum/M. spicatum</i>	SAV	0.09	0.08	0.51	0.07
LWR	GSH	Phytoplankton	Phyto	0.04	0.04	0.02	0.02
LWR	GSH	<i>Typha sp./S. californicus</i>	EmV	0.40	0.12	0.33	0.07
LWR	HCH	Benthic diatoms	BD	0.08	0.06	---	---
LWR	HCH	<i>C. caroliniana/E. densa/L. peploides</i>	SAV	0.18	0.20	---	---
LWR	HCH	Green filamentous algae	GFA	0.04	0.04	---	---
LWR	HCH	<i>J. baltica</i>	EmV	0.05	0.05	---	---
LWR	HCH	<i>C. demersum/M. spicatum</i>	SAV	0.36	0.17	---	---
LWR	HCH	Phytoplankton	Phyto	0.06	0.05	---	---
LWR	HCH	<i>Typha sp./S. californicus</i>	EmV	0.24	0.13	---	---
LWR	ISS	Benthic diatoms	BD	0.04	0.04	---	---
LWR	ISS	<i>C. caroliniana/E. densa/L. peploides</i>	SAV	0.06	0.05	0.23	0.17
LWR	ISS	Green filamentous algae	GFA	0.11	0.07	0.10	0.07
LWR	ISS	<i>J. baltica</i>	EmV	0.03	0.03	0.10	0.07
LWR	ISS	<i>C. demersum/M. spicatum</i>	SAV	0.04	0.03	0.10	0.07
LWR	ISS	Phytoplankton	Phyto	0.56	0.16	0.28	0.10
LWR	ISS	<i>Typha sp./S. californicus</i>	EmV	0.17	0.16	0.21	0.15
LWR	LMB	Benthic diatoms	BD	0.02	0.02	---	---
LWR	LMB	<i>C. caroliniana/E. densa/L. peploides</i>	SAV	0.03	0.03	0.11	0.10
LWR	LMB	Green filamentous algae	GFA	0.06	0.05	0.14	0.06
LWR	LMB	<i>J. baltica</i>	EmV	0.02	0.02	0.02	0.02
LWR	LMB	<i>C. demersum/M. spicatum</i>	SAV	0.02	0.02	0.02	0.02
LWR	LMB	Phytoplankton	Phyto	0.12	0.07	0.17	0.08
LWR	LMB	<i>Typha sp./S. californicus</i>	EmV	0.73	0.10	0.55	0.12
LWR	RESF	Benthic diatoms	BD	0.06	0.05	---	---
LWR	RESF	<i>C. caroliniana/E. densa/L. peploides</i>	SAV	0.10	0.09	0.08	0.07
LWR	RESF	Green filamentous algae	GFA	0.09	0.07	0.05	0.04
LWR	RESF	<i>J. baltica</i>	EmV	0.06	0.05	0.06	0.05
LWR	RESF	<i>C. demersum/M. spicatum</i>	SAV	0.06	0.05	0.16	0.07
LWR	RESF	Phytoplankton	Phyto	0.21	0.12	0.04	0.03
LWR	RESF	<i>Typha sp./S. californicus</i>	EmV	0.43	0.19	0.61	0.08
LWR	SB	Benthic diatoms	BD	0.06	0.05	---	---
LWR	SB	<i>C. caroliniana/E. densa/L. peploides</i>	SAV	0.10	0.09	0.13	0.13
LWR	SB	Green filamentous algae	GFA	0.12	0.07	0.06	0.06
LWR	SB	<i>J. baltica</i>	EmV	0.05	0.04	0.11	0.10
LWR	SB	<i>C. demersum/M. spicatum</i>	SAV	0.06	0.05	0.23	0.16
LWR	SB	Phytoplankton	Phyto	0.29	0.10	0.18	0.12
LWR	SB	<i>Typha sp./S. californicus</i>	EmV	0.33	0.16	0.28	0.17
LWR	SCP	Benthic diatoms	BD	0.04	0.04	---	---
LWR	SCP	<i>C. caroliniana/E. densa/L. peploides</i>	SAV	0.10	0.09	---	---
LWR	SCP	Green filamentous algae	GFA	0.02	0.02	---	---
LWR	SCP	<i>J. baltica</i>	EmV	0.07	0.05	---	---
LWR	SCP	<i>C. demersum/M. spicatum</i>	SAV	0.10	0.07	---	---
LWR	SCP	Phytoplankton	Phyto	0.08	0.05	---	---

Region	Species	Source	Category	Spring		Summer	
				Mean	SD	Mean	SD
LWR	SCP	<i>Typha sp./S. californicus</i>	EmV	0.60	0.08	---	---
LWR	SG	Benthic diatoms	BD	0.08	0.07	---	---
LWR	SG	<i>C. caroliniana/E. densa/L. peploides</i>	SAV	0.22	0.19	0.05	0.04
LWR	SG	Green filamentous algae	GFA	0.06	0.05	0.03	0.03
LWR	SG	<i>J. baltica</i>	EmV	0.10	0.09	0.06	0.06
LWR	SG	<i>C. demersum/M. spicatum</i>	SAV	0.14	0.12	0.32	0.08
LWR	SG	Phytoplankton	Phyto	0.19	0.11	0.04	0.03
LWR	SG	<i>Typha sp./S. californicus</i>	EmV	0.22	0.14	0.50	0.06
LWR	SKR	Benthic diatoms	BD	0.09	0.08	---	---
LWR	SKR	<i>C. caroliniana/E. densa/L. peploides</i>	SAV	0.16	0.15	0.10	0.09
LWR	SKR	Green filamentous algae	GFA	0.05	0.05	0.05	0.05
LWR	SKR	<i>J. baltica</i>	EmV	0.14	0.13	0.08	0.07
LWR	SKR	<i>C. demersum/M. spicatum</i>	SAV	0.17	0.14	0.08	0.07
LWR	SKR	Phytoplankton	Phyto	0.16	0.10	0.45	0.09
LWR	SKR	<i>Typha sp./S. californicus</i>	EmV	0.24	0.18	0.24	0.15
LWR	SPM	Benthic diatoms	BD	0.18	0.13	---	---
LWR	SPM	<i>C. caroliniana/E. densa/L. peploides</i>	SAV	0.13	0.13	0.13	0.13
LWR	SPM	Green filamentous algae	GFA	0.13	0.09	0.07	0.06
LWR	SPM	<i>J. baltica</i>	EmV	0.07	0.07	0.13	0.11
LWR	SPM	<i>C. demersum/M. spicatum</i>	SAV	0.12	0.12	0.18	0.14
LWR	SPM	Phytoplankton	Phyto	0.07	0.06	0.13	0.10
LWR	SPM	<i>Typha sp./S. californicus</i>	EmV	0.29	0.15	0.36	0.17
LWR	ST	Benthic diatoms	BD	0.13	0.12	---	---
LWR	ST	<i>C. caroliniana/E. densa/L. peploides</i>	SAV	0.19	0.16	---	---
LWR	ST	Green filamentous algae	GFA	0.14	0.09	---	---
LWR	ST	<i>J. baltica</i>	EmV	0.12	0.11	---	---
LWR	ST	<i>C. demersum/M. spicatum</i>	SAV	0.16	0.14	---	---
LWR	ST	Phytoplankton	Phyto	0.10	0.09	---	---
LWR	ST	<i>Typha sp./S. californicus</i>	EmV	0.16	0.13	---	---
LWR	TFS	Benthic diatoms	BD	0.04	0.04	---	---
LWR	TFS	<i>C. caroliniana/E. densa/L. peploides</i>	SAV	0.07	0.06	0.15	0.11
LWR	TFS	Green filamentous algae	GFA	0.05	0.04	0.08	0.06
LWR	TFS	<i>J. baltica</i>	EmV	0.04	0.04	0.12	0.08
LWR	TFS	<i>C. demersum/M. spicatum</i>	SAV	0.05	0.04	0.11	0.08
LWR	TFS	Phytoplankton	Phyto	0.60	0.09	0.41	0.08
LWR	TFS	<i>Typha sp./S. californicus</i>	EmV	0.15	0.11	0.13	0.10
LWR	TP	Benthic diatoms	BD	0.06	0.05	---	---
LWR	TP	<i>C. caroliniana/E. densa/L. peploides</i>	SAV	0.13	0.11	0.18	0.12
LWR	TP	Green filamentous algae	GFA	0.03	0.03	0.09	0.06
LWR	TP	<i>J. baltica</i>	EmV	0.07	0.06	0.05	0.04
LWR	TP	<i>C. demersum/M. spicatum</i>	SAV	0.11	0.08	0.06	0.05
LWR	TP	Phytoplankton	Phyto	0.22	0.08	0.37	0.08
LWR	TP	<i>Typha sp./S. californicus</i>	EmV	0.39	0.09	0.26	0.13
LWR	WC	Benthic diatoms	BD	0.06	0.05	---	---
LWR	WC	<i>C. caroliniana/E. densa/L. peploides</i>	SAV	0.09	0.08	0.13	0.11

Region	Species	Source	Category	Spring		Summer	
				Mean	SD	Mean	SD
LWR	WC	Green filamentous algae	GFA	0.08	0.06	0.08	0.06
LWR	WC	<i>J. baltica</i>	EmV	0.06	0.06	0.08	0.07
LWR	WC	<i>C. demersum/M. spicatum</i>	SAV	0.06	0.06	0.08	0.08
LWR	WC	Phytoplankton	Phyto	0.45	0.13	0.46	0.11
LWR	WC	<i>Typha sp./S. californicus</i>	EmV	0.21	0.16	0.17	0.13
LWR	WCF	Benthic diatoms	BD	0.08	0.07	---	---
LWR	WCF	<i>C. caroliniana/E. densa/L. peploides</i>	SAV	0.13	0.12	0.05	0.05
LWR	WCF	Green filamentous algae	GFA	0.08	0.06	0.03	0.02
LWR	WCF	<i>J. baltica</i>	EmV	0.08	0.08	0.03	0.03
LWR	WCF	<i>C. demersum/M. spicatum</i>	SAV	0.09	0.09	0.03	0.03
LWR	WCF	Phytoplankton	Phyto	0.18	0.12	0.35	0.05
LWR	WCF	<i>Typha sp./S. californicus</i>	EmV	0.37	0.16	0.52	0.08
LWR	WM	<i>C. caroliniana/E. densa/L. peploides</i>	SAV	---	---	0.21	0.17
LWR	WM	Green filamentous algae	GFA	---	---	0.16	0.10
LWR	WM	<i>J. baltica</i>	EmV	---	---	0.10	0.09
LWR	WM	<i>C. demersum/M. spicatum</i>	SAV	---	---	0.15	0.12
LWR	WM	Phytoplankton	Phyto	---	---	0.10	0.08
LWR	WM	<i>Typha sp./S. californicus</i>	EmV	---	---	0.28	0.16
LWR	YFG	<i>C. caroliniana/E. densa/L. peploides</i>	SAV	---	---	0.04	0.04
LWR	YFG	Green filamentous algae	GFA	---	---	0.02	0.02
LWR	YFG	<i>J. baltica</i>	EmV	---	---	0.10	0.08
LWR	YFG	<i>C. demersum/M. spicatum</i>	SAV	---	---	0.18	0.09
LWR	YFG	Phytoplankton	Phyto	---	---	0.13	0.06
LWR	YFG	<i>Typha sp./S. californicus</i>	EmV	---	---	0.52	0.07
UCA	BC	Benthic diatoms	BD	0.06	0.05	0.03	0.02
UCA	BC	<i>C. demersum/M. spicatum</i>	SAV	0.09	0.09	0.16	0.11
UCA	BC	Phytoplankton	Phyto	0.29	0.13	0.38	0.06
UCA	BC	<i>S. californicus (Downstream)</i>	EmV	0.33	0.19	0.02	0.02
UCA	BC	<i>S. californicus (Upstream)</i>	EmV	0.24	0.17	0.43	0.08
UCA	BG	Benthic diatoms	BD	0.09	0.07	0.08	0.06
UCA	BG	<i>C. demersum/M. spicatum</i>	SAV	0.25	0.19	0.35	0.16
UCA	BG	Phytoplankton	Phyto	0.25	0.14	0.39	0.10
UCA	BG	<i>S. californicus (Downstream)</i>	EmV	0.14	0.15	0.03	0.04
UCA	BG	<i>S. californicus (Upstream)</i>	EmV	0.27	0.17	0.15	0.10
UCA	BLB	Benthic diatoms	BD	0.07	0.06	0.07	0.06
UCA	BLB	<i>C. demersum/M. spicatum</i>	SAV	0.15	0.12	0.17	0.13
UCA	BLB	Phytoplankton	Phyto	0.37	0.13	0.24	0.10
UCA	BLB	<i>S. californicus (Downstream)</i>	EmV	0.27	0.15	0.13	0.15
UCA	BLB	<i>S. californicus (Upstream)</i>	EmV	0.14	0.12	0.39	0.18
UCA	BLP	Benthic diatoms	BD	0.06	0.05	0.07	0.06
UCA	BLP	<i>C. demersum/M. spicatum</i>	SAV	0.14	0.12	0.21	0.14
UCA	BLP	Phytoplankton	Phyto	0.42	0.09	0.45	0.09
UCA	BLP	<i>S. californicus (Downstream)</i>	EmV	0.10	0.12	0.06	0.07
UCA	BLP	<i>S. californicus (Upstream)</i>	EmV	0.29	0.15	0.22	0.14
UCA	CCF	Benthic diatoms	BD	---	---	0.07	0.06

Region	Species	Source	Category	Spring		Summer	
				Mean	SD	Mean	SD
UCA	CCF	<i>C. demersum/M. spicatum</i>	SAV	---	---	0.20	0.18
UCA	CCF	Phytoplankton	Phyto	---	---	0.40	0.16
UCA	CCF	<i>S. californicus (Downstream)</i>	EmV	---	---	0.11	0.13
UCA	CCF	<i>S. californicus (Upstream)</i>	EmV	---	---	0.22	0.16
UCA	CP	Benthic diatoms	BD	---	---	0.08	0.07
UCA	CP	<i>C. demersum/M. spicatum</i>	SAV	---	---	0.16	0.14
UCA	CP	Phytoplankton	Phyto	---	---	0.28	0.12
UCA	CP	<i>S. californicus (Downstream)</i>	EmV	---	---	0.07	0.08
UCA	CP	<i>S. californicus (Upstream)</i>	EmV	---	---	0.41	0.16
UCA	DS	Benthic diatoms	BD	0.10	0.07	---	---
UCA	DS	<i>C. demersum/M. spicatum</i>	SAV	0.26	0.19	---	---
UCA	DS	Phytoplankton	Phyto	0.29	0.15	---	---
UCA	DS	<i>S. californicus (Downstream)</i>	EmV	0.14	0.13	---	---
UCA	DS	<i>S. californicus (Upstream)</i>	EmV	0.21	0.15	---	---
UCA	GF	Benthic diatoms	BD	0.19	0.10	---	---
UCA	GF	<i>C. demersum/M. spicatum</i>	SAV	0.09	0.08	---	---
UCA	GF	Phytoplankton	Phyto	0.06	0.06	---	---
UCA	GF	<i>S. californicus (Downstream)</i>	EmV	0.50	0.17	---	---
UCA	GF	<i>S. californicus (Upstream)</i>	EmV	0.15	0.16	---	---
UCA	GSH	Benthic diatoms	BD	0.07	0.06	0.09	0.07
UCA	GSH	<i>C. demersum/M. spicatum</i>	SAV	0.18	0.16	0.11	0.10
UCA	GSH	Phytoplankton	Phyto	0.46	0.14	0.46	0.11
UCA	GSH	<i>S. californicus (Downstream)</i>	EmV	0.08	0.09	0.04	0.04
UCA	GSH	<i>S. californicus (Upstream)</i>	EmV	0.22	0.16	0.30	0.15
UCA	HCH	Benthic diatoms	BD	0.07	0.05	0.13	0.10
UCA	HCH	<i>C. demersum/M. spicatum</i>	SAV	0.18	0.13	0.16	0.13
UCA	HCH	Phytoplankton	Phyto	0.23	0.09	0.18	0.11
UCA	HCH	<i>S. californicus (Downstream)</i>	EmV	0.41	0.11	0.10	0.11
UCA	HCH	<i>S. californicus (Upstream)</i>	EmV	0.11	0.09	0.43	0.20
UCA	ISS	Benthic diatoms	BD	---	---	0.06	0.04
UCA	ISS	<i>C. demersum/M. spicatum</i>	SAV	---	---	0.24	0.12
UCA	ISS	Phytoplankton	Phyto	---	---	0.49	0.07
UCA	ISS	<i>S. californicus (Downstream)</i>	EmV	---	---	0.02	0.02
UCA	ISS	<i>S. californicus (Upstream)</i>	EmV	---	---	0.19	0.10
UCA	LMB	Benthic diatoms	BD	0.04	0.03	0.03	0.03
UCA	LMB	<i>C. demersum/M. spicatum</i>	SAV	0.13	0.10	0.30	0.16
UCA	LMB	Phytoplankton	Phyto	0.17	0.07	0.18	0.07
UCA	LMB	<i>S. californicus (Downstream)</i>	EmV	0.04	0.04	0.02	0.03
UCA	LMB	<i>S. californicus (Upstream)</i>	EmV	0.62	0.09	0.48	0.12
UCA	MQF	Benthic diatoms	BD	---	---	0.17	0.10
UCA	MQF	<i>C. demersum/M. spicatum</i>	SAV	---	---	0.26	0.18
UCA	MQF	Phytoplankton	Phyto	---	---	0.16	0.11
UCA	MQF	<i>S. californicus (Downstream)</i>	EmV	---	---	0.12	0.13
UCA	MQF	<i>S. californicus (Upstream)</i>	EmV	---	---	0.30	0.18
UCA	SB	Benthic diatoms	BD	0.06	0.05	0.06	0.05

Region	Species	Source	Category	Spring		Summer	
				Mean	SD	Mean	SD
UCA	SB	<i>C. demersum/M. spicatum</i>	SAV	0.12	0.10	0.50	0.20
UCA	SB	Phytoplankton	Phyto	0.29	0.13	0.16	0.08
UCA	SB	<i>S. californicus (Downstream)</i>	EmV	0.37	0.17	0.05	0.05
UCA	SB	<i>S. californicus (Upstream)</i>	EmV	0.16	0.14	0.23	0.16
UCA	SCP	Benthic diatoms	BD	0.08	0.06	0.09	0.06
UCA	SCP	<i>C. demersum/M. spicatum</i>	SAV	0.26	0.20	0.33	0.18
UCA	SCP	Phytoplankton	Phyto	0.37	0.15	0.29	0.11
UCA	SCP	<i>S. californicus (Downstream)</i>	EmV	0.11	0.11	0.07	0.09
UCA	SCP	<i>S. californicus (Upstream)</i>	EmV	0.19	0.14	0.22	0.15
UCA	SG	Benthic diatoms	BD	---	---	0.08	0.06
UCA	SG	<i>C. demersum/M. spicatum</i>	SAV	---	---	0.17	0.13
UCA	SG	Phytoplankton	Phyto	---	---	0.47	0.09
UCA	SG	<i>S. californicus (Downstream)</i>	EmV	---	---	0.07	0.08
UCA	SG	<i>S. californicus (Upstream)</i>	EmV	---	---	0.21	0.13
UCA	SKR	Benthic diatoms	BD	0.06	0.06	0.09	0.07
UCA	SKR	<i>C. demersum/M. spicatum</i>	SAV	0.28	0.21	0.19	0.13
UCA	SKR	Phytoplankton	Phyto	0.29	0.13	0.33	0.10
UCA	SKR	<i>S. californicus (Downstream)</i>	EmV	0.04	0.05	0.06	0.07
UCA	SKR	<i>S. californicus (Upstream)</i>	EmV	0.33	0.18	0.33	0.16
UCA	TFS	Benthic diatoms	BD	0.08	0.06	0.07	0.06
UCA	TFS	<i>C. demersum/M. spicatum</i>	SAV	0.14	0.12	0.14	0.10
UCA	TFS	Phytoplankton	Phyto	0.41	0.12	0.51	0.08
UCA	TFS	<i>S. californicus (Downstream)</i>	EmV	0.18	0.10	0.03	0.03
UCA	TFS	<i>S. californicus (Upstream)</i>	EmV	0.19	0.14	0.26	0.12
UCA	TP	Benthic diatoms	BD	0.04	0.04	0.07	0.06
UCA	TP	<i>C. demersum/M. spicatum</i>	SAV	0.11	0.09	0.28	0.16
UCA	TP	Phytoplankton	Phyto	0.36	0.08	0.19	0.10
UCA	TP	<i>S. californicus (Downstream)</i>	EmV	0.03	0.03	0.04	0.04
UCA	TP	<i>S. californicus (Upstream)</i>	EmV	0.46	0.09	0.43	0.16
UCA	WC	Benthic diatoms	BD	---	---	0.04	0.03
UCA	WC	<i>C. demersum/M. spicatum</i>	SAV	---	---	0.58	0.19
UCA	WC	Phytoplankton	Phyto	---	---	0.21	0.10
UCA	WC	<i>S. californicus (Downstream)</i>	EmV	---	---	0.04	0.04
UCA	WC	<i>S. californicus (Upstream)</i>	EmV	---	---	0.13	0.12
UCA	WCF	Benthic diatoms	BD	0.05	0.05	0.06	0.05
UCA	WCF	<i>C. demersum/M. spicatum</i>	SAV	0.08	0.07	0.18	0.13
UCA	WCF	Phytoplankton	Phyto	0.38	0.10	0.36	0.08
UCA	WCF	<i>S. californicus (Downstream)</i>	EmV	0.06	0.07	0.04	0.05
UCA	WCF	<i>S. californicus (Upstream)</i>	EmV	0.42	0.13	0.36	0.15
ULN	BC	Benthic diatoms	BD	0.03	0.03	---	---
ULN	BC	<i>B. maritimus/S. acutus</i>	EmV	0.12	0.12	0.01	0.01
ULN	BC	<i>C. demersum/E. densa</i>	SAV	0.54	0.18	0.74	0.07
ULN	BC	Green filamentous algae	GFA	0.11	0.09	0.01	0.01
ULN	BC	<i>J. baltica/S. californicus</i>	EmV	0.05	0.05	0.03	0.03

Region	Species	Source	Category	Spring		Summer	
				Mean	SD	Mean	SD
ULN	BC	<i>M. spicatum</i>	SAV	0.03	0.03	0.03	0.03
ULN	BC	Phytoplankton	Phyto	0.09	0.06	0.05	0.04
ULN	BC	<i>Typha sp./I. pseudocoras</i>	EmV	0.04	0.04	0.13	0.08
ULN	BG	Benthic diatoms	BD	0.04	0.03	---	---
ULN	BG	<i>B. maritimus/S. acutus</i>	EmV	0.03	0.04	0.02	0.02
ULN	BG	<i>C. demersum/E. densa</i>	SAV	0.47	0.08	0.66	0.09
ULN	BG	Green filamentous algae	GFA	0.13	0.11	0.02	0.01
ULN	BG	<i>J. baltica/S. californicus</i>	EmV	0.07	0.06	0.05	0.04
ULN	BG	<i>M. spicatum</i>	SAV	0.04	0.04	0.04	0.04
ULN	BG	Phytoplankton	Phyto	0.18	0.08	0.06	0.04
ULN	BG	<i>Typha sp./I. pseudocoras</i>	EmV	0.04	0.03	0.16	0.10
ULN	BLP	Benthic diatoms	BD	0.06	0.06	---	---
ULN	BLP	<i>B. maritimus/S. acutus</i>	EmV	0.04	0.05	0.03	0.04
ULN	BLP	<i>C. demersum/E. densa</i>	SAV	0.29	0.13	0.48	0.12
ULN	BLP	Green filamentous algae	GFA	0.16	0.14	0.02	0.02
ULN	BLP	<i>J. baltica/S. californicus</i>	EmV	0.11	0.10	0.07	0.06
ULN	BLP	<i>M. spicatum</i>	SAV	0.06	0.05	0.05	0.05
ULN	BLP	Phytoplankton	Phyto	0.23	0.10	0.19	0.06
ULN	BLP	<i>Typha sp./I. pseudocoras</i>	EmV	0.06	0.06	0.15	0.13
ULN	CP	Benthic diatoms	BD	0.08	0.07	---	---
ULN	CP	<i>B. maritimus/S. acutus</i>	EmV	0.06	0.06	---	---
ULN	CP	<i>C. demersum/E. densa</i>	SAV	0.20	0.09	---	---
ULN	CP	Green filamentous algae	GFA	0.16	0.12	---	---
ULN	CP	<i>J. baltica/S. californicus</i>	EmV	0.17	0.13	---	---
ULN	CP	<i>M. spicatum</i>	SAV	0.09	0.07	---	---
ULN	CP	Phytoplankton	Phyto	0.15	0.09	---	---
ULN	CP	<i>Typha sp./I. pseudocoras</i>	EmV	0.08	0.07	---	---
ULN	CS	Benthic diatoms	BD	0.13	0.12	---	---
ULN	CS	<i>B. maritimus/S. acutus</i>	EmV	0.17	0.09	---	---
ULN	CS	<i>C. demersum/E. densa</i>	SAV	0.14	0.12	---	---
ULN	CS	Green filamentous algae	GFA	0.06	0.05	---	---
ULN	CS	<i>J. baltica/S. californicus</i>	EmV	0.08	0.07	---	---
ULN	CS	<i>M. spicatum</i>	SAV	0.32	0.12	---	---
ULN	CS	Phytoplankton	Phyto	0.04	0.04	---	---
ULN	CS	<i>Typha sp./I. pseudocoras</i>	EmV	0.06	0.05	---	---
ULN	GSF	<i>B. maritimus/S. acutus</i>	EmV	---	---	0.10	0.14
ULN	GSF	<i>C. demersum/E. densa</i>	SAV	---	---	0.30	0.26
ULN	GSF	Green filamentous algae	GFA	---	---	0.03	0.03
ULN	GSF	<i>J. baltica/S. californicus</i>	EmV	---	---	0.06	0.07
ULN	GSF	<i>M. spicatum</i>	SAV	---	---	0.05	0.06
ULN	GSF	Phytoplankton	Phyto	---	---	0.19	0.13
ULN	GSF	<i>Typha sp./I. pseudocoras</i>	EmV	---	---	0.28	0.27
ULN	GSH	Benthic diatoms	BD	0.15	0.13	---	---
ULN	GSH	<i>B. maritimus/S. acutus</i>	EmV	0.22	0.11	0.01	0.01

Region	Species	Source	Category	Spring		Summer	
				Mean	SD	Mean	SD
ULN	GSH	<i>C. demersum/E. densa</i>	SAV	0.12	0.10	0.33	0.11
ULN	GSH	Green filamentous algae	GFA	0.08	0.08	0.03	0.03
ULN	GSH	<i>J. baltica/S. californicus</i>	EmV	0.15	0.14	0.05	0.05
ULN	GSH	<i>M. spicatum</i>	SAV	0.14	0.09	0.10	0.08
ULN	GSH	Phytoplankton	Phyto	0.06	0.05	0.02	0.02
ULN	GSH	<i>Typha sp./I. pseudocoras</i>	EmV	0.08	0.07	0.47	0.11
ULN	HCH	Benthic diatoms	BD	0.10	0.09	---	---
ULN	HCH	<i>B. maritimus/S. acutus</i>	EmV	0.13	0.10	---	---
ULN	HCH	<i>C. demersum/E. densa</i>	SAV	0.14	0.10	---	---
ULN	HCH	Green filamentous algae	GFA	0.12	0.10	---	---
ULN	HCH	<i>J. baltica/S. californicus</i>	EmV	0.20	0.15	---	---
ULN	HCH	<i>M. spicatum</i>	SAV	0.11	0.08	---	---
ULN	HCH	Phytoplankton	Phyto	0.09	0.07	---	---
ULN	HCH	<i>Typha sp./I. pseudocoras</i>	EmV	0.11	0.09	---	---
ULN	ISS	<i>B. maritimus/S. acutus</i>	EmV	---	---	0.02	0.02
ULN	ISS	<i>C. demersum/E. densa</i>	SAV	---	---	0.70	0.07
ULN	ISS	Green filamentous algae	GFA	---	---	0.02	0.02
ULN	ISS	<i>J. baltica/S. californicus</i>	EmV	---	---	0.05	0.05
ULN	ISS	<i>M. spicatum</i>	SAV	---	---	0.05	0.05
ULN	ISS	Phytoplankton	Phyto	---	---	0.04	0.03
ULN	ISS	<i>Typha sp./I. pseudocoras</i>	EmV	---	---	0.12	0.08
ULN	LMB	Benthic diatoms	BD	0.06	0.07	---	---
ULN	LMB	<i>B. maritimus/S. acutus</i>	EmV	0.03	0.04	0.01	0.01
ULN	LMB	<i>C. demersum/E. densa</i>	SAV	0.55	0.19	0.84	0.06
ULN	LMB	Green filamentous algae	GFA	0.07	0.06	0.01	0.01
ULN	LMB	<i>J. baltica/S. californicus</i>	EmV	0.11	0.12	0.02	0.02
ULN	LMB	<i>M. spicatum</i>	SAV	0.06	0.06	0.02	0.02
ULN	LMB	Phytoplankton	Phyto	0.08	0.05	0.04	0.03
ULN	LMB	<i>Typha sp./I. pseudocoras</i>	EmV	0.04	0.05	0.06	0.05
ULN	RESF	Benthic diatoms	BD	0.06	0.05	---	---
ULN	RESF	<i>B. maritimus/S. acutus</i>	EmV	0.07	0.07	0.03	0.03
ULN	RESF	<i>C. demersum/E. densa</i>	SAV	0.30	0.12	0.43	0.15
ULN	RESF	Green filamentous algae	GFA	0.18	0.15	0.03	0.03
ULN	RESF	<i>J. baltica/S. californicus</i>	EmV	0.11	0.09	0.07	0.08
ULN	RESF	<i>M. spicatum</i>	SAV	0.06	0.05	0.07	0.07
ULN	RESF	Phytoplankton	Phyto	0.16	0.10	0.05	0.04
ULN	RESF	<i>Typha sp./I. pseudocoras</i>	EmV	0.06	0.06	0.33	0.19
ULN	SB	<i>B. maritimus/S. acutus</i>	EmV	---	---	0.53	0.17
ULN	SB	<i>C. demersum/E. densa</i>	SAV	---	---	0.07	0.07
ULN	SB	Green filamentous algae	GFA	---	---	0.04	0.04
ULN	SB	<i>J. baltica/S. californicus</i>	EmV	---	---	0.07	0.07
ULN	SB	<i>M. spicatum</i>	SAV	---	---	0.06	0.06
ULN	SB	Phytoplankton	Phyto	---	---	0.16	0.10
ULN	SB	<i>Typha sp./I. pseudocoras</i>	EmV	---	---	0.07	0.07

Region	Species	Source	Category	Spring		Summer	
				Mean	SD	Mean	SD
ULN	SCP	Benthic diatoms	BD	0.04	0.04	---	---
ULN	SCP	<i>B. maritimus/S. acutus</i>	EmV	0.02	0.02	---	---
ULN	SCP	<i>C. demersum/E. densa</i>	SAV	0.46	0.06	---	---
ULN	SCP	Green filamentous algae	GFA	0.07	0.06	---	---
ULN	SCP	<i>J. baltica/S. californicus</i>	EmV	0.16	0.10	---	---
ULN	SCP	<i>M. spicatum</i>	SAV	0.06	0.05	---	---
ULN	SCP	Phytoplankton	Phyto	0.16	0.07	---	---
ULN	SCP	<i>Typha sp./I. pseudocoras</i>	EmV	0.04	0.04	---	---
ULN	SKR	<i>B. maritimus/S. acutus</i>	EmV	---	---	0.07	0.09
ULN	SKR	<i>C. demersum/E. densa</i>	SAV	---	---	0.45	0.17
ULN	SKR	Green filamentous algae	GFA	---	---	0.04	0.03
ULN	SKR	<i>J. baltica/S. californicus</i>	EmV	---	---	0.09	0.09
ULN	SKR	<i>M. spicatum</i>	SAV	---	---	0.07	0.07
ULN	SKR	Phytoplankton	Phyto	---	---	0.15	0.08
ULN	SKR	<i>Typha sp./I. pseudocoras</i>	EmV	---	---	0.13	0.14
ULN	SPM	<i>B. maritimus/S. acutus</i>	EmV	---	---	0.06	0.05
ULN	SPM	<i>C. demersum/E. densa</i>	SAV	---	---	0.22	0.15
ULN	SPM	Green filamentous algae	GFA	---	---	0.06	0.05
ULN	SPM	<i>J. baltica/S. californicus</i>	EmV	---	---	0.17	0.14
ULN	SPM	<i>M. spicatum</i>	SAV	---	---	0.15	0.12
ULN	SPM	Phytoplankton	Phyto	---	---	0.11	0.08
ULN	SPM	<i>Typha sp./I. pseudocoras</i>	EmV	---	---	0.24	0.16
ULN	ST	Benthic diatoms	BD	0.10	0.09	---	---
ULN	ST	<i>B. maritimus/S. acutus</i>	EmV	0.05	0.05	---	---
ULN	ST	<i>C. demersum/E. densa</i>	SAV	0.18	0.12	---	---
ULN	ST	Green filamentous algae	GFA	0.14	0.11	---	---
ULN	ST	<i>J. baltica/S. californicus</i>	EmV	0.17	0.13	---	---
ULN	ST	<i>M. spicatum</i>	SAV	0.10	0.08	---	---
ULN	ST	Phytoplankton	Phyto	0.16	0.10	---	---
ULN	ST	<i>Typha sp./I. pseudocoras</i>	EmV	0.10	0.09	---	---
ULN	TFS	Benthic diatoms	BD	0.05	0.05	---	---
ULN	TFS	<i>B. maritimus/S. acutus</i>	EmV	0.27	0.15	0.02	0.02
ULN	TFS	<i>C. demersum/E. densa</i>	SAV	0.23	0.17	0.58	0.07
ULN	TFS	Green filamentous algae	GFA	0.15	0.11	0.03	0.03
ULN	TFS	<i>J. baltica/S. californicus</i>	EmV	0.08	0.07	0.08	0.07
ULN	TFS	<i>M. spicatum</i>	SAV	0.05	0.04	0.07	0.06
ULN	TFS	Phytoplankton	Phyto	0.11	0.07	0.08	0.05
ULN	TFS	<i>Typha sp./I. pseudocoras</i>	EmV	0.06	0.06	0.13	0.08
ULN	TP	Benthic diatoms	BD	0.04	0.04	---	---
ULN	TP	<i>B. maritimus/S. acutus</i>	EmV	0.02	0.03	0.01	0.01
ULN	TP	<i>C. demersum/E. densa</i>	SAV	0.42	0.08	0.57	0.08
ULN	TP	Green filamentous algae	GFA	0.10	0.11	0.01	0.01
ULN	TP	<i>J. baltica/S. californicus</i>	EmV	0.08	0.07	0.04	0.04
ULN	TP	<i>M. spicatum</i>	SAV	0.04	0.04	0.04	0.03

Region	Species	Source	Category	Spring		Summer	
				Mean	SD	Mean	SD
ULN	TP	Phytoplankton	Phyto	0.26	0.08	0.07	0.04
ULN	TP	<i>Typha sp./l. pseudocoras</i>	EmV	0.04	0.04	0.27	0.10
ULN	WC	Benthic diatoms	BD	0.04	0.04	---	---
ULN	WC	<i>B. maritimus/S. acutus</i>	EmV	0.06	0.06	0.06	0.07
ULN	WC	<i>C. demersum/E. densa</i>	SAV	0.21	0.12	0.37	0.20
ULN	WC	Green filamentous algae	GFA	0.19	0.18	0.03	0.03
ULN	WC	<i>J. baltica/S. californicus</i>	EmV	0.07	0.07	0.08	0.09
ULN	WC	<i>M. spicatum</i>	SAV	0.04	0.04	0.07	0.07
ULN	WC	Phytoplankton	Phyto	0.35	0.13	0.20	0.11
ULN	WC	<i>Typha sp./l. pseudocoras</i>	EmV	0.04	0.05	0.19	0.19
ULN	WCF	Benthic diatoms	BD	0.08	0.07	---	---
ULN	WCF	<i>B. maritimus/S. acutus</i>	EmV	0.37	0.10	0.05	0.08
ULN	WCF	<i>C. demersum/E. densa</i>	SAV	0.10	0.08	0.28	0.21
ULN	WCF	Green filamentous algae	GFA	0.11	0.09	0.03	0.03
ULN	WCF	<i>J. baltica/S. californicus</i>	EmV	0.10	0.09	0.08	0.08
ULN	WCF	<i>M. spicatum</i>	SAV	0.07	0.05	0.07	0.07
ULN	WCF	Phytoplankton	Phyto	0.09	0.06	0.19	0.12
ULN	WCF	<i>Typha sp./l. pseudocoras</i>	EmV	0.09	0.08	0.30	0.23
ULN	WM	<i>B. maritimus/S. acutus</i>	EmV	---	---	0.05	0.06
ULN	WM	<i>C. demersum/E. densa</i>	SAV	---	---	0.26	0.17
ULN	WM	Green filamentous algae	GFA	---	---	0.07	0.06
ULN	WM	<i>J. baltica/S. californicus</i>	EmV	---	---	0.14	0.14
ULN	WM	<i>M. spicatum</i>	SAV	---	---	0.18	0.15
ULN	WM	Phytoplankton	Phyto	---	---	0.07	0.06
ULN	WM	<i>Typha sp./l. pseudocoras</i>	EmV	---	---	0.23	0.17