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Appendix O

Biological Community Metrics No Filtering

Lower Hillsborough River Recovery Strategy MFL -
Appendix O, analysis days

Southwest Florida Water Management District

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1 ABOUT

Data used to prepare these tables and figures are Analysis Days.

These descriptive plots and statistics include:

- Timeseries plot of the data with color coded reference to defined minimum flows implementation “periods”.
- Histograms of data distribution with normal density curve overlay.
- Tables of distributional statistics by minimum flows implementation period, river segment, and taxon.
- Boxplots of distribution by minimum flows implementation period and river segment.

Data are presented grouped by biological response variable: abundance, density, diversity, or richness.

2 METHODS

2.1 GENERAL

Morris Bridge sink data were excluded. Taxa were synonymized. Non Analysis Days were excluded.

2.2 ABUNDANCE

Abundance was determined by calculating the sum of the n variable (number of individuals observed for a given species on a given date at a given site). An overall

abundance, a taxon abundance, and abundances grouped by MFL period and river segment were calculated.

2.3 DENSITY

Density was determined by calculating the sum of the result_m3 variable (density of individuals observed for a given species on a given date at a given site). For these analyses, qualitative observations were not included. An overall density, a taxon density, and densities grouped by MFL period and river segment were calculated.

2.4 DIVERSITY

Diversity was determined using the R vegan package function diversity(), specifying for Shannon-Wiener and base exp(1). An overall diversity, a site diversity, and diversity grouped by MFL period and river segment were calculated.

2.5 RICHNESS

Richness was determined using the R vegan package function specnumber(). Species never observed were removed. An overall richness and richness grouped by MFL period and river segment were calculated.

3 ZOOPLANKTON

3.1 ABUNDANCE

3.1.1 TABLES

3.1.1.1 Total abundance of the data set.

Total Abundance

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3.1.1.2 Total abundance of each taxon, and MFL period:River segment abundance, sorted by most abundant.

Final Taxa	Total Abun	Period 1 Middle	Period 1 Lower	Period 1 Downstream	Period 2 Middle	Period 2 Lower	Period 2 Downstream	Period 3 Middle	Period 3 Lower	Period 3 Downstream	Period 4 Middle	Period 4 Lower	Period 4 Downstream	Period 5 Upper	Period 5 Middle	Period 5 Lower
decapod zoeae	6709585	156375	146594	886728	287476	525267	2360881	157805	186296	946316	110593	257353	446897	77016	49261	114727
Acartia tonsa	797281	89	783	30385	11722	50827	335835	90	6428	88505	6	38	272517	0	0	56
Clytia sp.	481516	43557	82117	153373	44527	67489	84635	1381	2289	1712	14	1	5	0	14	402
Americamysis almyra	426484	11014	9718	73319	14061	67106	212766	401	3455	27976	34	600	4127	203	198	1506
Gobiosoma spp. postflexion larvae	158825	6877	7641	11955	745	9240	69875	187	719	47418	6	13	2817	13	1004	315
amphipods, gammaridean	143841	24	33	25255	2981	5087	73618	2760	3991	23574	3361	607	1836	73	438	203
decapod megalopae	140833	5793	1915	35697	3503	11988	61145	82	299	18856	23	101	1190	120	8	113
unidentified Americamysis juveniles	131379	202	99	15593	4887	17562	72274	107	2783	14502	43	448	2633	17	59	170
decapod mysis	124322	5203	2297	20217	6433	2569	58265	155	722	14139	19	33	13894	6	89	281
appendicularian, Oikopleura dioica	100168	0	0	24	0	1	3903	0	0	17654	0	0	78580	6	0	0
Polychaeta	87868	1909	286	861	10563	5542	19848	527	8986	35162	377	946	2151	0	275	435
chaetognaths, sagittid	81936	289	1447	23405	677	84	44221	0	4	7861	0	0	3948	0	0	0
Anchoa mitchilli juveniles	73544	1376	5019	21951	107	2964	16666	141	663	23591	97	596	370	0	2	1
Lucifer faxoni juveniles and adults	68992	0	0	1858	1	0	3798	2	54	53618	0	0	9659	0	0	2
fish eggs, percomorph	63273	0	0	108	0	1	27884	0	0	2322	0	0	32958	0	0	0
gobiid preflexion larvae	56914	119	74	5131	96	95	25998	24	1053	21853	20	52	2250	2	80	67
Labidocera aestiva	41341	0	0	6366	0	0	22232	1	0	3116	0	0	9626	0	0	0
unidentified calanoids	31544	0	0	31544	0	0	0	0	0	0	0	0	0	0	0	0
cumaceans	31052	2	4	8232	35	14	6812	9	62	8183	0	6	7671	0	14	8
gobiid flexion larvae	26643	1022	385	3427	349	435	12199	7	104	8115	0	3	470	1	72	54
Liriope tetraphylla	23199	0	0	2	0	5	23161	0	0	25	0	0	0	0	0	6
Edotea triloba	20993	14	31	1286	30	63	8376	31	43	5592	5	21	5464	0	3	34
cymothoid sp. a (Lironeca) juveniles	19782	1495	1975	5420	95	675	4778	139	197	2832	290	496	1390	0	0	0
Palaemonetes spp. postlarvae	13911	520	59	4645	282	1004	4630	32	382	1921	0	10	380	0	4	42
Anchoa mitchilli postflexion larvae	12380	893	90	1480	0	4	2536	1	19	7104	0	0	250	0	2	1
Anchoa spp. preflexion larvae	11341	0	4	3198	0	0	3966	0	6	2867	0	0	1299	0	0	1
Mnemiopsis mccradyi	8636	0	0	6577	0	2	876	0	2	925	0	0	254	0	0	0
amphipods, caprellid	7902	0	1	968	0	2	1008	0	5	3245	0	1	2672	0	0	0
Pseudodiaptomus coronatus	7081	1	9	1544	35	71	2088	172	206	1776	5	15	1159	0	0	0
Microgobius spp. postflexion larvae	6419	593	233	1323	348	665	1642	2	118	996	0	0	482	0	2	15
Evadne tergestina	6343	0	0	118	0	0	4822	0	0	229	0	0	1174	0	0	0
Penilia avirostris	5735	0	0	0	0	0	2	0	0	38	0	0	5695	0	0	0
Anchoa spp. flexion larvae	5109	71	84	1819	2	2	2192	0	7	769	0	0	163	0	0	0

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gastropods, prosobranch	3805	172	591	28	592	1166	287	325	216	149	24	34	29	47	21	124
Brevoortia spp. metamorphs	3402	845	1297	1178	1	1	23	4	9	23	0	0	2	0	14	5
alphaeid postlarvae	3271	0	2	1430	0	0	636	0	2	708	0	0	493	0	0	0
Parasterope pollex	2722	0	0	205	2	0	2020	0	0	475	0	0	20	0	0	0
cirriped nauplius stage	2288	2	32	68	8	0	83	0	0	43	0	0	2049	0	3	0
Pinnixa sayana juveniles	2166	1	3	244	0	0	1900	0	0	18	0	0	0	0	0	0
Cassidinidea ovalis	2068	1	0	13	161	60	34	114	46	27	28	13	13	1543	10	5
Gobiesox strumosus postflexion larvae	2062	27	0	140	0	1	1713	2	1	136	0	0	42	0	0	0
Monstrilla sp.	1904	0	0	292	0	0	637	0	0	850	0	0	125	0	0	0
oligochaetes	1553	0	0	4	6	3	55	20	37	1426	0	0	0	1	1	0
Microgobius spp. flexion larvae	1519	2	6	467	71	40	271	0	102	542	0	1	17	0	0	0
Craspedacusta sowerbii	1466	159	37	9	8	2	8	0	0	0	0	0	0	0	66	1177
Gobiesox strumosus preflexion larvae	1424	0	0	154	0	0	840	0	2	333	2	30	63	0	0	0
Ergasilus sp.	1100	68	0	12	9	70	41	4	3	0	14	646	233	0	0	0
pelecypods	1075	32	26	328	69	43	121	64	191	105	21	28	28	5	7	7
Palaemonetes pugio juveniles	1032	196	455	154	22	55	67	5	15	57	0	1	5	0	0	0
Gobiesox strumosus juveniles	1028	0	0	290	1	9	490	0	20	218	0	0	0	0	0	0
unidentified freshwater cyclopoids	1012	0	0	0	0	0	0	0	12	5	6	1	988	0	0	0
Anchoa mitchilli eggs	993	0	0	108	266	101	447	3	4	4	0	0	59	0	0	1
Gobiesox strumosus flexion larvae	906	0	0	124	0	2	671	0	4	87	0	8	10	0	0	0
dipterans, chironomid larvae	890	6	10	10	127	42	39	58	48	78	18	15	45	219	79	96
Upogebia spp. postlarvae	862	0	0	21	0	0	40	0	3	298	0	0	500	0	0	0
blenniid preflexion larvae	839	0	0	263	0	0	253	0	0	176	0	0	147	0	0	0
Cyclops sp.	825	47	3	3	15	494	247	6	6	3	0	0	0	0	0	1
Diaptomus sp.	763	14	11	0	47	667	9	7	3	1	2	2	0	0	0	0
Lucifer faxoni mysis	717	0	0	0	0	0	0	0	0	682	0	0	35	0	0	0
Petrolisthes armatus juveniles	704	0	0	376	0	0	306	0	0	19	0	0	3	0	0	0
ostracods, podocopid	686	4	20	10	40	30	45	17	6	14	0	0	0	24	70	406
brachiopod, Glottidia pyramidata larvae	677	0	124	0	0	0	462	0	0	3	0	0	88	0	0	0
Oithona spp.	654	0	0	25	0	0	1	6	4	14	0	0	604	0	0	0
medusa, sp. f (28 long, slender tentacles)	490	0	0	0	197	282	11	0	0	0	0	0	0	0	0	0
Hippolyte zostericola postlarvae	456	0	0	0	0	0	51	0	0	261	0	2	142	0	0	0
Trinectes maculatus postflexion larvae	455	4	15	42	3	6	237	0	0	64	4	2	63	5	4	6
Palaemonetes pugio adults	409	210	115	35	2	5	35	1	1	3	0	0	0	0	2	0

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Elops saurus postflexion larvae	101	18	4	4	0	4	16	2	3	37	0	2	6	0	1	4
Anchoa hepsetus postflexion larvae	98	0	0	63	0	0	34	0	0	1	0	0	0	0	0	0
Menidia spp. postflexion larvae	98	4	0	3	61	17	5	1	2	2	0	2	1	0	0	0
unidentified harpacticoids	96	2	0	6	2	4	29	1	1	35	0	0	3	0	0	13
Mesocyclops edax	91	8	0	5	4	1	0	0	5	2	19	3	0	37	6	1
Anopsilana jonesi	85	2	4	3	15	4	15	9	2	19	2	0	3	7	0	0
Lolliguncula brevis juveniles	85	0	0	27	1	0	41	0	0	15	0	0	1	0	0	0
Bathygobius soporator flexion larvae	84	0	0	1	0	0	74	0	0	4	0	0	5	0	0	0
Trinectes maculatus flexion larvae	84	0	0	17	0	0	61	0	0	1	0	0	4	0	0	1
Cynoscion arenarius preflexion larvae	83	0	0	13	0	0	58	0	0	3	0	0	9	0	0	0
Alteutha sp.	81	0	0	19	0	0	22	0	7	3	0	0	30	0	0	0
medusa sp. b	77	0	0	0	0	0	68	0	0	7	0	0	2	0	0	0
Centropages velificatus	76	0	0	0	0	0	4	0	0	72	0	0	0	0	0	0
Hargeria rapax	72	0	0	10	1	0	22	0	0	37	0	0	2	0	0	0
Hirudinea	67	1	1	2	7	4	6	4	4	18	0	2	15	0	1	2
Probopyrus sp. (attached)	67	10	47	8	0	0	0	0	0	2	0	0	0	0	0	0
Gambusia holbrooki juveniles	66	42	2	0	8	1	2	4	4	1	1	0	0	1	0	0
cymothoid sp. a (Livoneca) juveniles	65	0	0	0	0	0	0	0	0	0	0	0	0	0	28	37
Cynoscion arenarius postflexion larvae	63	0	0	23	0	0	13	0	0	13	0	0	14	0	0	0
Callinassa sp. juveniles	62	0	0	0	0	0	0	0	0	22	0	0	40	0	0	0
Trinectes maculatus preflexion larvae	62	0	0	4	0	0	16	0	0	10	0	0	32	0	0	0
Menidia spp. flexion larvae	60	2	1	0	25	21	1	0	2	1	0	1	2	0	2	2
Leiostomus xanthurus juveniles	59	0	0	59	0	0	0	0	0	0	0	0	0	0	0	0
Sinelobus stanfordi	59	0	0	1	0	0	23	0	1	11	0	0	22	0	1	0
Temora turbinata	58	0	0	0	0	0	2	0	0	16	0	0	40	0	0	0
Rhithropanopeus harrisi juveniles	54	4	2	8	2	0	14	0	6	14	0	1	1	0	0	2
gastropods, opisthobranch	53	0	0	3	0	2	7	0	0	35	0	0	6	0	0	0
Brevortia patronus juveniles	49	7	34	8	0	0	0	0	0	0	0	0	0	0	0	0
Diaphanosoma brachyurum	49	0	0	0	0	0	0	29	20	0	0	0	0	0	0	0
penaeid postlarvae	49	0	0	0	0	0	0	0	0	41	0	0	8	0	0	0
Microgobius gulosus juveniles	47	5	3	11	4	2	18	0	1	0	0	0	2	0	1	0
Ogyrides alphaerostris postlarvae	46	0	0	0	0	0	0	0	0	0	0	0	46	0	0	0
Palaemon floridanus postlarvae	46	0	0	0	0	0	0	0	0	32	0	0	14	0	0	0
gerreid preflexion larvae	43	0	0	0	0	0	40	0	0	3	0	0	0	0	0	0
Upogebia spp. juveniles	42	0	0	0	0	0	3	0	0	30	0	0	9	0	0	0
medusa, Eutima sp.	40	0	0	0	0	0	0	0	0	36	0	0	4	0	0	0

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hemipterans, gerrid adults	37	0	0	0	17	1	0	1	0	0	0	0	0	17	1	0
Sarsiella zostericola	35	0	0	8	0	0	18	0	0	9	0	0	0	0	0	0
branchiurans, Argulus spp.	35	4	1	2	2	0	11	4	1	6	0	1	1	1	0	1
Fundulus grandis postflexion larvae	33	0	3	2	0	10	13	0	1	4	0	0	0	0	0	0
collembolas, podurid	33	0	0	0	4	2	2	9	5	8	1	1	0	0	1	0
Munna reynoldsi	32	0	0	0	5	2	7	5	0	10	0	2	0	0	0	1
medusa sp. d	32	0	0	0	1	25	0	0	1	2	0	0	3	0	0	0
foraminiferans	29	0	0	27	0	0	0	0	0	2	0	0	0	0	0	0
xanthid juveniles	29	0	0	1	0	3	22	0	0	0	0	0	0	3	0	0
Centropages hamatus	28	0	0	2	0	0	7	0	0	19	0	0	0	0	0	0
Periclimenes spp. postlarvae	26	0	0	1	0	0	25	0	0	0	0	0	0	0	0	0
Cynoscion arenarius juveniles	25	0	0	16	0	0	4	0	0	3	0	0	2	0	0	0
Harrieta faxoni	25	0	0	1	0	0	8	0	1	15	0	0	0	0	0	0
Macrocyclus albidus	25	0	0	0	1	0	0	6	17	1	0	0	0	0	0	0
coleopterans, curculionid adults	24	0	0	19	1	1	1	0	0	0	0	0	0	1	0	1
Tozeuma carolinense postlarvae	23	0	0	14	0	0	3	0	0	3	0	0	3	0	0	0
lepidopterans, pyralid larvae	23	0	0	0	0	1	0	5	7	4	2	0	3	1	0	0
Membras martinica juveniles	21	0	0	16	0	0	5	0	0	0	0	0	0	0	0	0
Menidia spp. adults	21	7	0	0	14	0	0	0	0	0	0	0	0	0	0	0
cirriped cypris stage	21	0	0	12	0	0	1	0	0	1	0	0	7	0	0	0
Calanopia americana	20	0	0	12	0	0	4	0	0	4	0	0	0	0	0	0
Lysmata sp. juveniles	20	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0
Opsanus beta juveniles	20	0	0	19	0	0	0	0	0	1	0	0	0	0	0	0
Poecilia latipinna juveniles	20	7	12	0	0	1	0	0	0	0	0	0	0	0	0	0
Cyprinodon variegatus eggs	19	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0
shrimps, unidentified postlarvae	19	0	0	0	0	0	5	0	0	14	0	0	0	0	0	0
ephemeropteran larvae	18	0	0	0	5	0	0	0	0	0	0	2	5	4	2	0
mysid free embryos	18	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0
Chloroscombrus chrysurus juveniles	17	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0
Chloroscombrus chrysurus postflexion larvae	17	0	0	0	0	0	14	0	0	3	0	0	0	0	0	0
trichopteran larvae	17	0	0	0	1	1	0	1	0	1	1	0	0	12	0	0
Mugil cephalus juveniles	16	0	0	1	0	0	1	1	1	9	0	0	3	0	0	0
Oligoplites saurus juveniles	16	0	0	9	0	0	4	0	0	3	0	0	0	0	0	0
Taphromysis bowmani	16	0	0	0	0	12	0	0	0	0	0	1	2	0	0	1
Ambidexter symmetricus juveniles	15	0	0	0	0	0	0	0	0	11	0	0	4	0	0	0

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Eugerres plumieri postflexion larvae	7	0	0	0	0	0	0	0	0	4	0	0	3	0	0	0
Leydigia sp.	7	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0
Microgobius thalassinus juveniles	7	0	0	3	0	3	1	0	0	0	0	0	0	0	0	0
Ogyrides alphaerostris juveniles and adults	7	0	0	4	0	0	2	0	0	1	0	0	0	0	0	0
Pagurus longicarpus juveniles	7	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0
coleopterans, gyrinid larvae	7	0	0	0	0	0	0	5	2	0	0	0	0	0	0	0
medusa sp. c	7	0	0	0	6	0	1	0	0	0	0	0	0	0	0	0
penaeid metamorphs	7	0	0	4	0	0	3	0	0	0	0	0	0	0	0	0
Acari	6	0	0	1	1	3	0	0	0	0	0	0	0	1	0	0
Farfantepenaeus duorarum juveniles	6	1	0	1	0	0	0	0	0	4	0	0	0	0	0	0
Rhithropanopeus harrisii adults	6	0	0	2	1	2	1	0	0	0	0	0	0	0	0	0
Saphirella spp.	6	0	0	0	0	0	4	0	0	2	0	0	0	0	0	0
Tortanus setacaudatus	6	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0
cladocerans, Daphnia spp.	6	0	0	0	2	0	0	2	0	2	0	0	0	0	0	0
cymothoid sp. c juveniles	6	2	0	2	0	0	2	0	0	0	0	0	0	0	0	0
dipterans, muscid larvae	6	0	0	0	0	0	0	1	0	5	0	0	0	0	0	0
hemipterans, corixid juveniles	6	0	0	0	0	0	0	2	0	0	0	0	2	0	2	0
turbellarians	6	0	0	0	0	0	2	0	0	4	0	0	0	0	0	0
Achirus lineatus preflexion larvae	5	0	0	0	0	0	1	0	0	0	0	0	4	0	0	0
Alpheus viridari juveniles	5	0	0	1	0	0	0	0	0	4	0	0	0	0	0	0
Cynoscion nebulosus flexion larvae	5	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0
Cyprinodon variegatus postflexion larvae	5	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0
Menticirrhus spp. postflexion larvae	5	0	0	0	0	0	4	0	0	1	0	0	0	0	0	0
Anchoa cubana juveniles	4	0	1	1	0	0	2	0	0	0	0	0	0	0	0	0
Chaetodipterus faber postflexion larvae	4	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0
Spelaeomysis sp.	4	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0
Tilapia spp. postflexion larvae	4	0	1	0	0	0	3	0	0	0	0	0	0	0	0	0
Uromunna reynoldsi	4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3
isopod sp. a	4	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0
paguroid juveniles	4	0	0	0	0	0	1	0	0	3	0	0	0	0	0	0
Alpheus estuariensis juveniles	3	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
Beroe ovata	3	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0
Cynoscion nebulosus juveniles	3	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
Eucalanus sp.	3	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
Eucyclops speratus	3	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0

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Lepomis macrochirus juveniles	3	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0
Lepomis macrochirus preflexion larvae	3	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0
Lucania parva adults	3	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0
Menticirrhus spp. flexion larvae	3	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0
Mysidopsis furca	3	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
Opisthonema oglinum postflexion larvae	3	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
Orthocyclops modestus	3	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Syngnathus scovelli adults	3	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0
coleopterans, dytiscid adults	3	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0
coleopterans, elmid larvae	3	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0
coleopterans, noterid adults	3	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0
cymothoid sp. a (Livoneca)	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1
gobiid eggs	3	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0
hemipterans, belostomatid adults	3	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0
hemipterans, pleid adults	3	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0
paguroid megalops larvae	3	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
processid juveniles	3	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
Achirus lineatus flexion larvae	2	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
Achirus lineatus postflexion larvae	2	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
Brasilomysis castroi	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Callinectes sapidus juveniles	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Chloroscombrus chrysurus preflexion larvae	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
Elops saurus juveniles	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Eucramus praelongus juveniles	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Fundulus seminolis postflexion larvae	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Fundulus spp. postflexion larvae	2	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
Gobiesox strumosus adults	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Gobiosoma bosc adults	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Heterandria formosa juveniles	2	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
Hippocampus erectus juveniles	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Hippolyte zostericola adults	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
Hypsoblennius spp. flexion larvae	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Hypsoblennius spp. postflexion larvae	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Labidesthes sicculus preflexion larvae	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0

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Latonopsis fasciculata	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Lepisosteus sp. postflexion larvae	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
Membras martinica preflexion larvae	2	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
Mugil curema juveniles	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Strongylura spp. postflexion larvae	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Temora longicornis	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
Tilapia spp. juveniles	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
coleopterans, haliplid larvae	2	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
coleopterans, noterid larvae	2	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
coleopterans, scirtid larvae	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
dipterans, ephydrid larvae	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
dipterans, tabanid larvae	2	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
gerreid postflexion larvae	2	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
medusa sp. a	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
myodocopod sp. a	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
sipunculids	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
thaliaceans	2	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
Albula vulpes postflexion larvae	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Anchoa hepsetus eggs	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Anchoa mitchilli preflexion larvae	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Archosargus probatocephalus postflexion larvae	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Bairdiella chrysoura juveniles	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Bougainvillia sp.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Cirolana jonesi	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Dormitator maculatus postflexion larvae	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Dorosoma spp. preflexion larvae	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Eurypanopeus depressus adults	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Eurytemora affinis	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Fundulus spp. eggs	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Heteromysis sp.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Ictalurus punctatus juveniles	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Labidesthes sicculus flexion larvae	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Labidesthes sicculus juveniles	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Labidesthes sicculus postflexion larvae	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Lepomis punctatus juveniles	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0

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[illegible]

3.1.1.3 Total Abundance over river segments by MFL period.

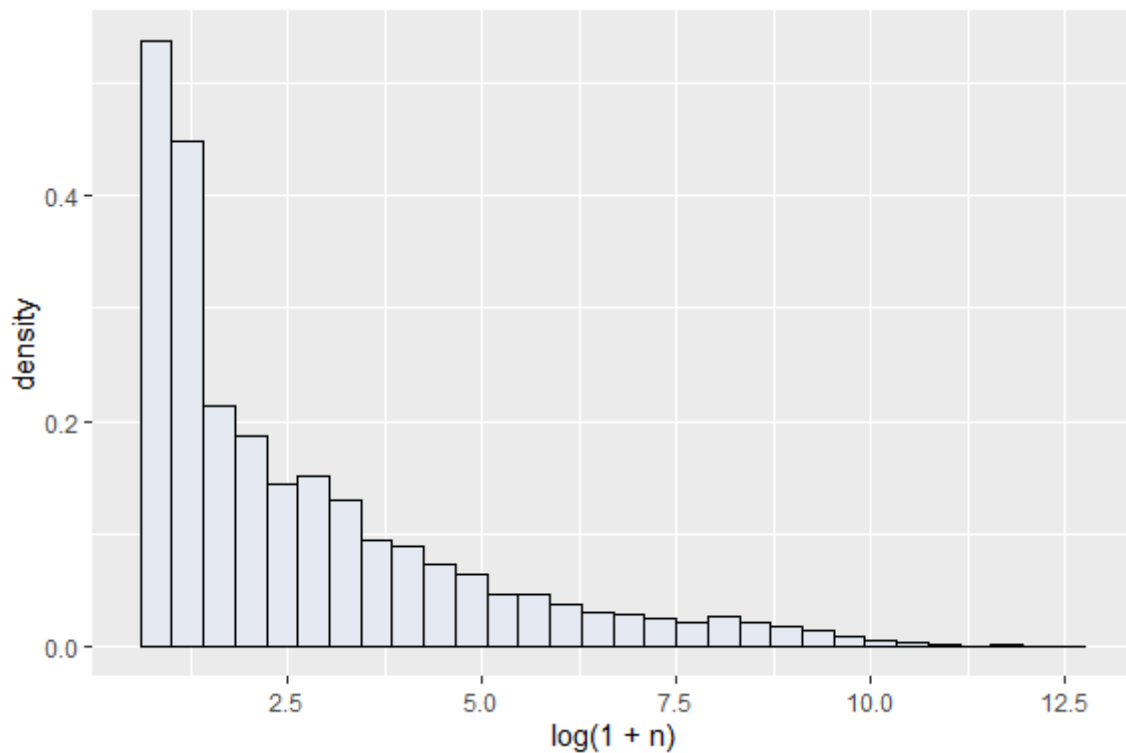
River Segment	Period 1	Period 2	Period 3	Period 4	Period 5	total
Upper	NA	NA	NA	NA	79463	79463
Middle	239716	391113	164903	115058	51904	962694
Lower	264005	772313	219907	262172	120424	1638821
Downstream	1392129	3587818	1401769	920710	NA	7302426

3.1.1.4 Total Abundance of MFL period by River segment.

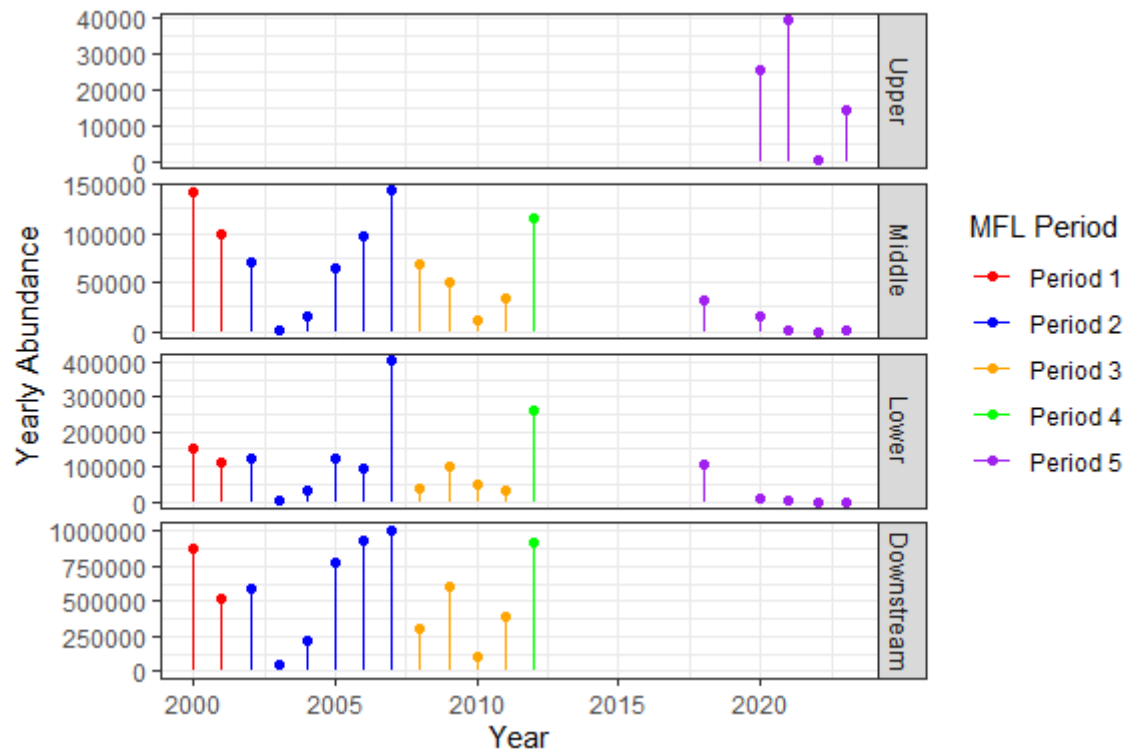
MFL Period	Lower	Middle	Upper	Downstream	total
Period 1	264005	239716	NA	1392129	503721
Period 2	772313	391113	NA	3587818	1163426
Period 3	219907	164903	NA	1401769	384810
Period 4	262172	115058	NA	920710	377230
Period 5	120424	51904	79463	NA	251791

3.1.2 FIGURES

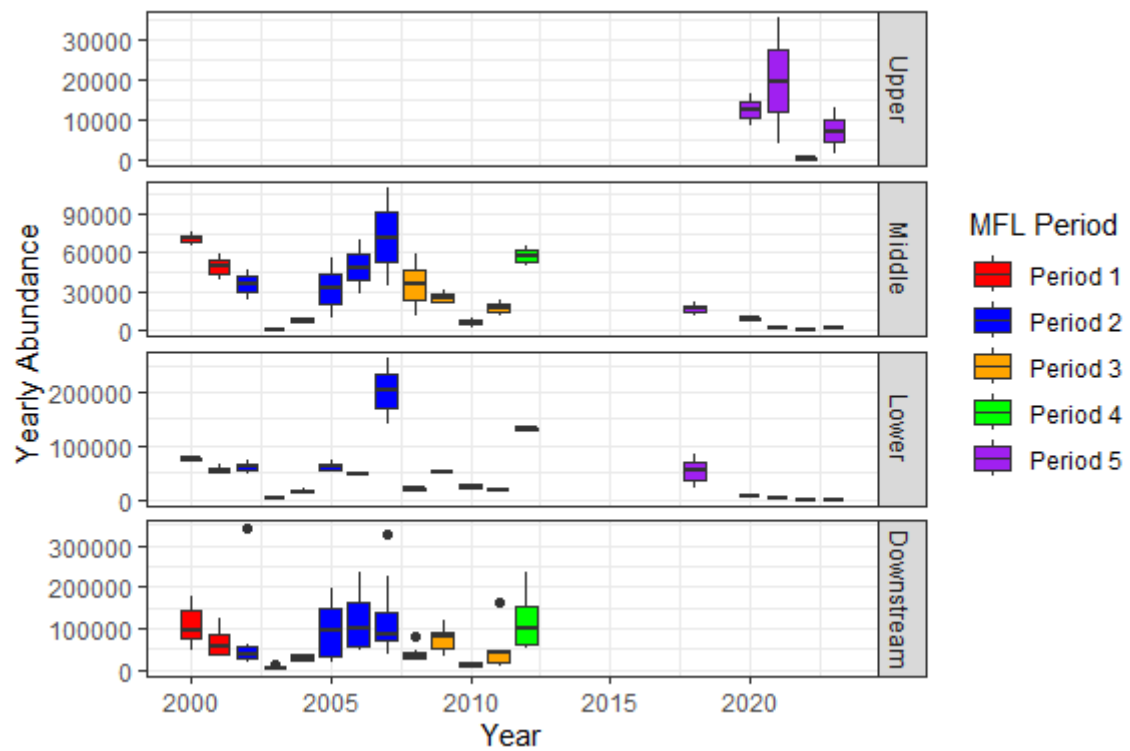
3.1.2.1 Histogram of species abundance.



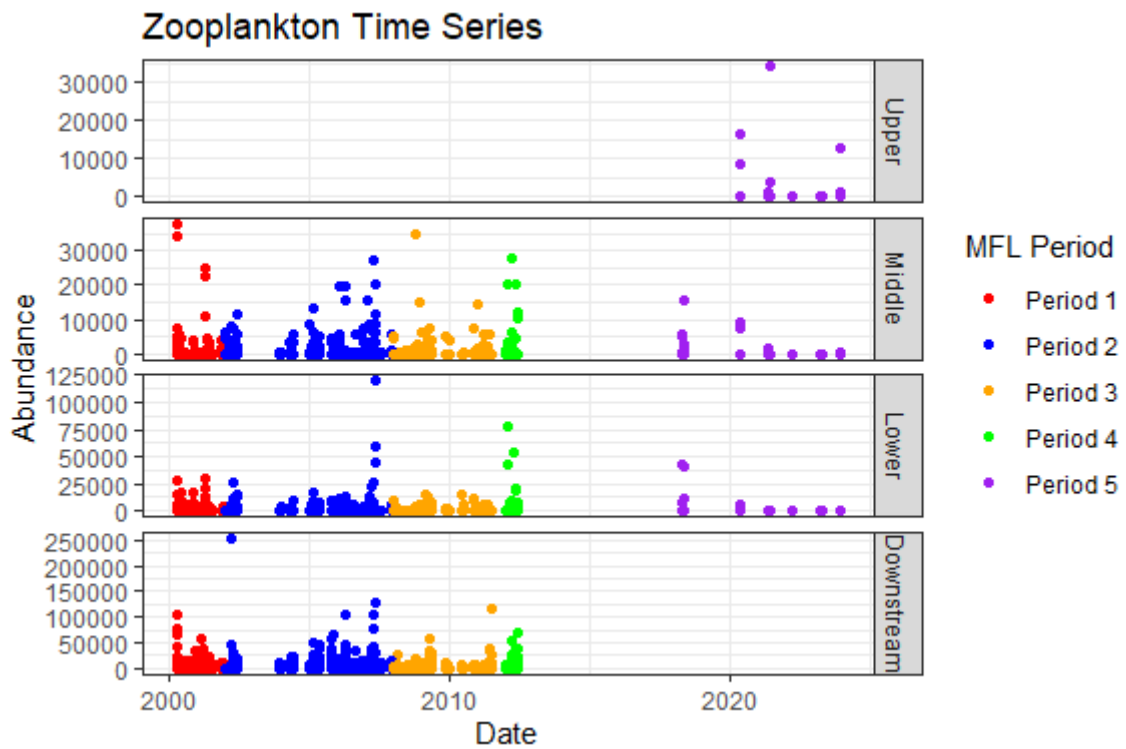
3.1.2.2 A graph of total abundance over time, grouped by year of sampling.



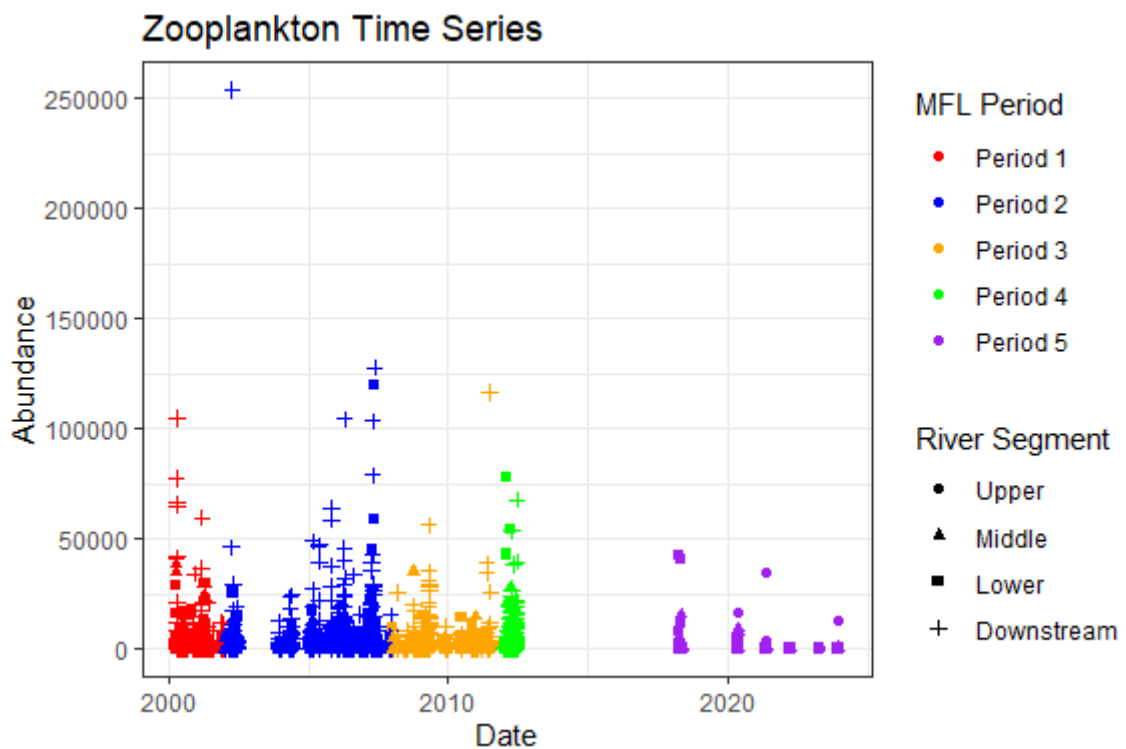
3.1.2.3 Boxplots of individuals, grouped by year, by MFL period and river segment.



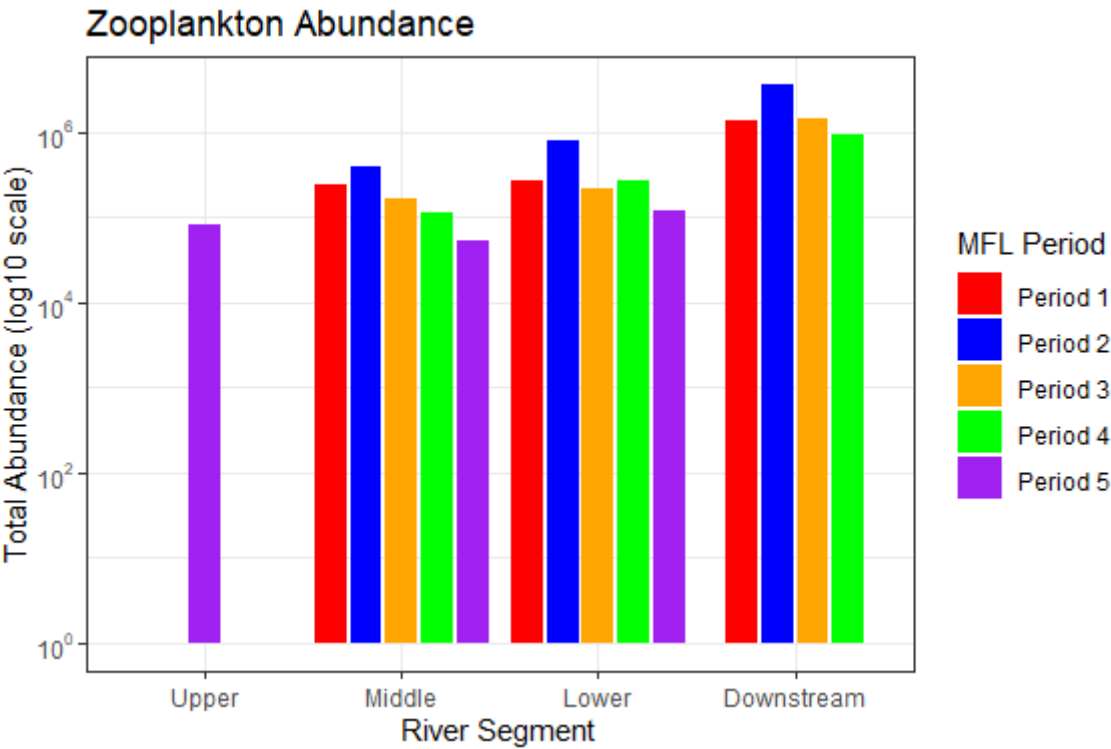
3.1.2.4 Abundance by year, MFL period, and river segment.



3.1.2.5 Total abundance by river segment, MFL period, and date.



3.1.2.6 Total abundance by MFL period and river segment.



3.2 DENSITY

3.2.1 TABLES

3.2.1.1 Total average density of the data set.

Total Avg Density
255

3.2.1.2 Total average density of each taxon.

Final Taxa	Total Avg Density
decapod zoeae	4864.64
Craspedacusta sowberii	1353.73
cymothoid sp. a (Livoneca) juveniles	119.68
Clytia sp.	92.06
Americamysis almyra	90.00
Gobiosoma spp. postflexion larvae	77.57
Acartia tonsa	34.75
unidentified calanoids	24.50
Metamysidopsis swifti	24.17
amphipods, gammaridean	23.70
dipterans, chironomid larvae	22.73
appendicularian, Oikopleura dioica	19.34
Polychaeta	17.47
unidentified Americamysis juveniles	15.47
fish eggs, percomorph	13.30
unidentified harpacticoids	11.73
Bathygobius soporator postflexion larvae	10.46
gobiid preflexion larvae	10.07
gobiid flexion larvae	9.67

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Mesocyclops edax	8.63
decapod mysis	7.80
Liriope tetraphylla	6.64
Brevoortia spp. metamorphs	5.73
Menidia spp. flexion larvae	5.39
Lucifer faxoni juveniles and adults	5.24
ephemeropteran larvae	4.98
Penilia avirostris	4.89
decapod megalopae	4.45
Palaemonetes spp. postlarvae	4.21
Sphaeroma terebrans	3.73
chaetognaths, sagittid	3.31
Labidocera aestiva	3.14
Gobiosoma bosc juveniles	2.84
Lucifer faxoni mysis	2.54
Ergasilus sp.	2.45
cumaceans	2.45
Evadne tergestina	2.42
Menidia spp. preflexion larvae	2.37
Microgobius spp. postflexion larvae	2.32
Chrysaora quinquecirrha	2.24
Elops saurus postflexion larvae	2.20
Mnemiopsis mccradyi	2.01
cirriped nauplius stage	1.97
Anchoa mitchilli juveniles	1.85
dipterans, pupae	1.69
Trinectes maculatus postflexion larvae	1.65
ostracods, podocopid	1.51
Anchoa mitchilli eggs	1.47
Anchoa mitchilli postflexion larvae	1.32
Cassinidea ovalis	1.24
paracalanids	1.17
collembolas, podurid	1.14
medusa, sp. f (28 long, slender tentacles)	1.10
Anchoa spp. preflexion larvae	1.00
Hirudinea	0.98
amphipods, caprellid	0.88
brachiopod, Glottidia pyramidata larvae	0.87
Edotea triloba	0.73
unidentified freshwater cyclopoids	0.72
Menidia spp. juveniles	0.63
dipteran, Chaoborus punctipennis larvae	0.62
oligochaetes	0.52
Anchoa spp. flexion larvae	0.47
cymothoid sp. a (Lironeca) juveniles	0.45
Oithona spp.	0.44
alpheid postlarvae	0.41
Parasterope pollex	0.38
Pinnixa sayana juveniles	0.35
gerreid preflexion larvae	0.34
Pseudodiaptomus coronatus	0.33
Lysmata sp. juveniles	0.33
Diaptomus sp.	0.30
gastropods, prosobranch	0.30
Upogebia spp. postlarvae	0.28
Gobiesox strumosus postflexion larvae	0.27
xanthid juveniles	0.26

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Cyclops sp.	0.25
Diaphanosoma brachyurum	0.25
Leiostomus xanthurus juveniles	0.23
pelecypods	0.23
medusa sp. e	0.23
Microgobius spp. flexion larvae	0.22
mysid free embryos	0.21
Americamysis stucki	0.21
Monstrilla sp.	0.18
dipterans, culicid larvae	0.17
Americamysis bahia	0.16
Erichsonella attenuata	0.16
Petrolisthes armatus juveniles	0.16
Hippolyte zostericola juveniles	0.15
Anchoa hepsetus postflexion larvae	0.13
Gobiesox strumosus flexion larvae	0.13
Palaemonetes pugio juveniles	0.12
Chloroscombrus chrysurus juveniles	0.12
Gambusia holbrooki adults	0.12
Gobiesox strumosus preflexion larvae	0.12
Gobiesox strumosus juveniles	0.11
Ogyrides alphaerostris postlarvae	0.11
Hippolyte zostericola postlarvae	0.11
Chasmodes saburrae flexion larvae	0.11
scyphozoan ephyrae	0.11
processid postlarvae	0.11
Cyprinodon variegatus eggs	0.10
Probopyrus sp. (attached)	0.10
Menidia spp. adults	0.10
Callinassa sp. juveniles	0.10
shrimps, unidentified postlarvae	0.10
blenniid preflexion larvae	0.09
Centropages velificatus	0.09
Elops saurus juveniles	0.09
Gobiosoma robustum juveniles	0.09
Limulus polyphemus larvae	0.09
nematodes	0.09
foraminiferans	0.09
Chloroscombrus chrysurus postflexion larvae	0.08
Palaemonetes pugio adults	0.08
medusa sp. d	0.08
Anchoa hepsetus juveniles	0.08
medusa sp. b	0.08
Bowmaniella dissimilis	0.08
Brevoortia spp. postflexion larvae	0.08
Cynoscion arenarius preflexion larvae	0.08
Temora turbinata	0.08
Labidesthes sicculus postflexion larvae	0.08
Cynoscion arenarius flexion larvae	0.08
Tozeuma carolinense postlarvae	0.07
hemipterans, gerrid adults	0.07
Menidia spp. postflexion larvae	0.07
Upogebia spp. juveniles	0.07
trichopteran larvae	0.07
clupeid eggs	0.07
Brevoortia smithi juveniles	0.07
Palaemon floridanus postlarvae	0.07

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medusa, Eutima sp.	0.06
Chasmodes saburrae postflexion larvae	0.06
coleopterans, curculionid adults	0.06
Chaetodipterus faber postflexion larvae	0.06
Opisthonema oglinum postflexion larvae	0.06
cirriped cypris stage	0.06
Ilyocyptus sp.	0.06
Trinectes maculatus preflexion larvae	0.06
Taphromysis bowmani	0.05
Bathygobius soporator flexion larvae	0.05
penaeid postlarvae	0.05
Bathygobius soporator preflexion larvae	0.05
Ambidexter symmetricus juveniles	0.05
Alpheus estuariensis juveniles	0.05
Leydigia sp.	0.05
Squilla empusa larvae	0.05
Pagurus longicarpus juveniles	0.05
Branchiostoma floridae	0.05
medusa, sp. g (like Rhopalonema wt/ top knob)	0.05
Bairdiella chrysoura preflexion larvae	0.05
Alteutha sp.	0.05
Trinectes maculatus flexion larvae	0.05
Achirus lineatus preflexion larvae	0.05
Aurelia aurita	0.05
Lepomis macrochirus preflexion larvae	0.04
cymothoid sp. a (Livoneca)	0.04
Cynoscion nebulosus juveniles	0.04
processid juveniles	0.04
Brevoortia patronus juveniles	0.04
alphaeid juveniles	0.04
Mysidopsis furca	0.04
Cynoscion arenarius postflexion larvae	0.04
medusa sp. c	0.04
Poecilia latipinna juveniles	0.04
hemichordate larvae	0.04
Centropages hamatus	0.04
Uromunna reynoldsi	0.04
Macrocyclus albidus	0.04
Periclimenes spp. postlarvae	0.04
Eugerres plumieri postflexion larvae	0.04
Ambidexter symmetricus postlarvae	0.04
Bairdiella chrysoura postflexion larvae	0.04
paguroid megalops larvae	0.04
Gambusia holbrooki juveniles	0.04
Anopsilana jonesi	0.04
gastropods, opisthobranch	0.04
Cynoscion nebulosus postflexion larvae	0.04
Anchoa mitchilli adults	0.03
siphonostomatids	0.03
Rhithropanopeus harrisi juveniles	0.03
Sinelobus stanfordi	0.03
Sarsiella zostericola	0.03
Bougainvillia sp.	0.03
Microgobius gulosus juveniles	0.03
Strongylura spp. postflexion larvae	0.03
Microgobius gulosus adults	0.03
Cynoscion nebulosus preflexion larvae	0.03

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Syngnathus louisianae juveniles	0.03
coleopterans, gyrinid larvae	0.03
Opsanus beta juveniles	0.03
Chloroscombrus chrysurus preflexion larvae	0.03
Cirolana jonesi	0.03
Alpheus viridari juveniles	0.03
Latonopsis fasciculata	0.03
Heteromysis sp.	0.03
Bairdiella chrysoura flexion larvae	0.03
hemipterans, corixid juveniles	0.03
dipterans, muscid larvae	0.03
Trinectes maculatus juveniles	0.03
paguroid juveniles	0.03
penaeid metamorphs	0.03
gobiid eggs	0.03
Tilapia melanotheron juveniles	0.03
dipterans, ephyrid larvae	0.03
Munna reynoldsi	0.03
hemipterans, corixid adults	0.03
Simocephalus vetulus	0.03
Loliguncula brevis juveniles	0.03
Hargeria rapax	0.03
coleopterans, scirtid larvae	0.03
Lupinoblennius nicholsi flexion larvae	0.03
cladocerans, Daphnia spp.	0.03
Calanopia americana	0.03
Syngnathus scovelli juveniles	0.03
Tilapia spp. postflexion larvae	0.03
Temora longicornis	0.03
Tozeuma carolinense juveniles	0.03
turbellarians	0.03
Mugil curema juveniles	0.03
Spelaeomysis sp.	0.03
myodocopod sp. a	0.03
Cyprinodon variegatus postflexion larvae	0.03
Tortanus setacaudatus	0.03
coleopterans, noterid larvae	0.03
Farfantepenaeus duorarum juveniles	0.03
Acari	0.03
cymothoid sp. b juveniles	0.02
coleopterans, haliplid larvae	0.02
Lepisosteus sp. postflexion larvae	0.02
Sphaeroma quadridentata	0.02
Lupinoblennius nicholsi postflexion larvae	0.02
Lucania parva postflexion larvae	0.02
Dormitator maculatus postflexion larvae	0.02
odonates, zygoteran larvae	0.02
pycnogonids	0.02
Oligoplites saurus juveniles	0.02
dipterans, stratiomyid larvae	0.02
Lagodon rhomboides juveniles	0.02
Leptochela serratorbita juveniles	0.02
Harrieta faxoni	0.02
Eucramus praelongus juveniles	0.02
coleopterans, dytiscid adults	0.02
Saphirella spp.	0.02
Mugil cephalus juveniles	0.02

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Orthocyclops modestus	0.02
coleopterans, noterid adults	0.02
Fundulus grandis postflexion larvae	0.02
Beroe ovata	0.02
lepidopterans, pyralid larvae	0.02
Membras martinica juveniles	0.02
Tilapia spp. juveniles	0.02
branchiurans, Argulus spp.	0.02
Menticirrhus spp. preflexion larvae	0.02
Microgobius thalassinus juveniles	0.02
Syngnathus scovelli adults	0.02
Cynoscion arenarius juveniles	0.02
Ogyrides alphaerostris juveniles and adults	0.02
Cynoscion nebulosus flexion larvae	0.02
Menidia spp. eggs	0.02
coleopterans, elmid larvae	0.02
dipterans, ceratopogonid larvae	0.02
Eucyclops speratus	0.02
coleopterans, elmid adults	0.02
Menticirrhus spp. postflexion larvae	0.02
Sida crystallina	0.02
Cyathura polita	0.02
Membras martinica preflexion larvae	0.02
Rhithropanopeus harrisi adults	0.02
Eurypanopeus depressus adults	0.02
Achirus lineatus flexion larvae	0.02
sipunculids	0.02
Eucalanus sp.	0.02
hemipterans, pleid adults	0.01
cymothoid sp. c juveniles	0.01
Hypsoblennius spp. postflexion larvae	0.01
Anchoa mitchilli preflexion larvae	0.01
dipterans, tabanid larvae	0.01
hemipterans, nepid adults	0.01
Lucania parva juveniles	0.01
thaliaceans	0.01
Menticirrhus spp. flexion larvae	0.01
anuran larvae	0.01
Ictalurus punctatus juveniles	0.01
Hypsoblennius spp. flexion larvae	0.01
Anchoa cubana juveniles	0.01
medusa sp. a	0.01
Hippocampus erectus juveniles	0.01
Albula vulpes postflexion larvae	0.01
Heterandria formosa juveniles	0.01
Achirus lineatus postflexion larvae	0.01
Fundulus spp. postflexion larvae	0.01
gerreid postflexion larvae	0.01
Hippolyte zostericola adults	0.01
Gobiosox strumosus adults	0.01
Callinectes sapidus juveniles	0.01
Labidesthes sicculus preflexion larvae	0.01
isopod sp. a	0.01
Bairdiella chrysoura juveniles	0.01
Gobiosoma bosc adults	0.01
Lucania goodei postflexion larvae	0.01
Tozeuma carolinense adults	0.01

Dorosoma spp. preflexion larvae	0.01
hemipterans, belostomatid adults	0.01
Anchoa hepsetus eggs	0.01
Microgobius thalassinus adults	0.01
coleopterans, dytiscid larvae	0.01
Eurytemora affinis	0.01
Lucania parva adults	0.01
Lepomis punctatus juveniles	0.01
Lepomis macrochirus juveniles	0.01
Symphurus plagiura juveniles	0.01
Fundulus spp. eggs	0.01
Labidesthes sicculus flexion larvae	0.01
Opsanus beta adults	0.01
Archosargus probatocephalus postflexion larvae	0.01
Mugil cephalus postflexion larvae	0.01
mysid sp. A	0.01
Trinectes maculatus adults	0.01
Micropterus salmoides juveniles	0.01
Leptocheila serratorbita adults	0.01
Fundulus seminolis postflexion larvae	0.01
Brasilomysis castroi	0.01
porcellanid (not P. armatus) juveniles	0.01
Labidesthes sicculus juveniles	0.01
Oligoplites saurus postflexion larvae	0.01

3.2.1.3 Total average density of each taxon by MFL period and river segment.

River Segment	MFL Period	Final Taxa	Total Avg Density
Middle	Period 1	decapod zoeae	88.02
Middle	Period 1	Clytia sp.	32.43
Middle	Period 1	Gobiosoma spp. postflexion larvae	19.40
Middle	Period 1	Americamysis almyra	14.22
Middle	Period 1	decapod megalopae	6.50
Middle	Period 1	decapod mysis	4.73
Middle	Period 1	Anchoa mitchilli postflexion larvae	3.69
Middle	Period 1	gobiid flexion larvae	2.91
Middle	Period 1	Microgobius spp. postflexion larvae	2.05
Middle	Period 1	Anchoa mitchilli juveniles	1.27
Middle	Period 1	cymothoid sp. a (Lironeca) juveniles	1.24
Middle	Period 1	Ergasilus sp.	1.21
Middle	Period 1	Palaemonetes spp. postlarvae	1.15
Middle	Period 1	Bathygobius soporator postflexion larvae	1.07
Middle	Period 1	Brevoortia spp. metamorphs	0.94
Middle	Period 1	Polychaeta	0.91
Middle	Period 1	Acartia tonsa	0.78
Middle	Period 1	chaetognaths, sagittid	0.56
Middle	Period 1	unidentified Americamysis juveniles	0.48
Middle	Period 1	Gobiesox strumosus postflexion larvae	0.44
Middle	Period 1	Anchoa spp. flexion larvae	0.41
Middle	Period 1	gobiid preflexion larvae	0.34
Middle	Period 1	Craspedacusta sowerbii	0.28
Middle	Period 1	Cyclops sp.	0.20
Middle	Period 1	Gambusia holbrooki adults	0.20
Middle	Period 1	Palaemonetes pugio adults	0.17
Middle	Period 1	Menidia spp. juveniles	0.16
Middle	Period 1	Palaemonetes pugio juveniles	0.16
Middle	Period 1	gastropods, prosobranch	0.11

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Middle	Period 1	Microgobius gulosus juveniles	0.08
Middle	Period 1	Diaptomus sp.	0.08
Middle	Period 1	Gambusia holbrooki juveniles	0.07
Middle	Period 1	Tilapia melanotheron juveniles	0.06
Middle	Period 1	pelecypods	0.06
Middle	Period 1	Mesocyclops edax	0.05
Middle	Period 1	Brevoortia spp. postflexion larvae	0.05
Middle	Period 1	Elops saurus postflexion larvae	0.05
Middle	Period 1	Menidia spp. postflexion larvae	0.05
Middle	Period 1	Gobiosoma robustum juveniles	0.05
Middle	Period 1	Edotea triloba	0.05
Middle	Period 1	Menidia spp. adults	0.05
Middle	Period 1	dipteran, Chaoborus punctipennis larvae	0.04
Middle	Period 1	amphipods, gammaridean	0.04
Middle	Period 1	cirriped nauplius stage	0.04
Middle	Period 1	Brevoortia smithi juveniles	0.03
Middle	Period 1	Menidia spp. preflexion larvae	0.03
Middle	Period 1	Poecilia latipinna juveniles	0.03
Middle	Period 1	Gobiosoma bosc juveniles	0.03
Middle	Period 1	Rhithropanopeus harrisii juveniles	0.03
Middle	Period 1	Orthocyclops modestus	0.03
Middle	Period 1	ostracods, podocopid	0.03
Middle	Period 1	Menidia spp. flexion larvae	0.03
Middle	Period 1	Sphaeroma terebrans	0.03
Middle	Period 1	Probopyrus sp. (attached)	0.03
Middle	Period 1	Trinectes maculatus postflexion larvae	0.03
Middle	Period 1	cymothoid sp. c juveniles	0.02
Middle	Period 1	dipterans, chironomid larvae	0.02
Middle	Period 1	Brevoortia patronus juveniles	0.02
Middle	Period 1	Syngnathus louisianae juveniles	0.02
Middle	Period 1	Microgobius gulosus adults	0.02
Middle	Period 1	unidentified harpacticoids	0.02
Middle	Period 1	branchiurans, Argulus spp.	0.02
Middle	Period 1	Anopsilana jonesi	0.01
Middle	Period 1	cumaceans	0.01
Middle	Period 1	Anchoa hepsetus juveniles	0.01
Middle	Period 1	Trinectes maculatus juveniles	0.01
Middle	Period 1	Pinnixa sayana juveniles	0.01
Middle	Period 1	Simocephalus vetulus	0.01
Middle	Period 1	Microgobius spp. flexion larvae	0.01
Middle	Period 1	Spelaeomysis sp.	0.01
Middle	Period 1	coleopterans, dytiscid adults	0.01
Middle	Period 1	Hirudinea	0.01
Middle	Period 1	Syngnathus scovelli juveniles	0.01
Middle	Period 1	Lucania parva postflexion larvae	0.01
Middle	Period 1	odonates, zygoteran larvae	0.01
Middle	Period 1	Lucania parva juveniles	0.01
Middle	Period 1	Cassidinidea ovalis	0.01
Middle	Period 1	Pseudodiaptomus coronatus	0.01
Middle	Period 1	Farfantepenaeus duorarum juveniles	0.01
Lower	Period 1	decapod zoeae	104.34
Lower	Period 1	Clytia sp.	86.62
Lower	Period 1	Gobiosoma spp. postflexion larvae	9.50
Lower	Period 1	Americamysis almyra	6.85
Lower	Period 1	Anchoa mitchilli juveniles	3.26
Lower	Period 1	chaetognaths, sagittid	2.40
Lower	Period 1	decapod megalopae	2.10

Lower	Period 1	Acartia tonsa	1.67
Lower	Period 1	Microgobius spp. postflexion larvae	1.57
Lower	Period 1	brachiopod, Glottidia pyramidata larvae	1.51
Lower	Period 1	Brevoortia spp. metamorphs	1.25
Lower	Period 1	decapod mysis	1.19
Lower	Period 1	cymothoid sp. a (Lironeca) juveniles	1.04
Lower	Period 1	Palaemonetes pugio juveniles	0.75
Lower	Period 1	gobiid flexion larvae	0.50
Lower	Period 1	gastropods, prosobranch	0.36
Lower	Period 1	Anchoa spp. flexion larvae	0.34
Lower	Period 1	Anchoa mitchilli postflexion larvae	0.30
Lower	Period 1	Craspedacusta sowerbii	0.28
Lower	Period 1	cirriped nauplius stage	0.23
Lower	Period 1	Probopyrus sp. (attached)	0.22
Lower	Period 1	unidentified Americamysis juveniles	0.18
Lower	Period 1	Polychaeta	0.16
Lower	Period 1	Palaemonetes pugio adults	0.16
Lower	Period 1	Menidia spp. juveniles	0.16
Lower	Period 1	Gobiosoma bosc juveniles	0.13
Lower	Period 1	Brevoortia smithi juveniles	0.13
Lower	Period 1	Diaptomus sp.	0.13
Lower	Period 1	gobiid preflexion larvae	0.13
Lower	Period 1	Anchoa spp. preflexion larvae	0.11
Lower	Period 1	Brevoortia patronus juveniles	0.09
Lower	Period 1	Elops saurus juveniles	0.09
Lower	Period 1	Palaemonetes spp. postlarvae	0.08
Lower	Period 1	Brevoortia spp. postflexion larvae	0.06
Lower	Period 1	Anopsilana jonesi	0.06
Lower	Period 1	siphonostomatids	0.06
Lower	Period 1	Poecilia latipinna juveniles	0.06
Lower	Period 1	Edotea triloba	0.05
Lower	Period 1	Trinectes maculatus postflexion larvae	0.05
Lower	Period 1	ostracods, podocypid	0.04
Lower	Period 1	Microgobius gulosus juveniles	0.04
Lower	Period 1	amphipods, gammaridean	0.04
Lower	Period 1	Cyclops sp.	0.04
Lower	Period 1	Pseudodiaptomus coronatus	0.04
Lower	Period 1	Trinectes maculatus juveniles	0.03
Lower	Period 1	pelecypods	0.03
Lower	Period 1	Elops saurus postflexion larvae	0.03
Lower	Period 1	Rhithropanopeus harrisii juveniles	0.03
Lower	Period 1	cumaceans	0.02
Lower	Period 1	Gobiosoma robustum juveniles	0.02
Lower	Period 1	Anchoa mitchilli adults	0.02
Lower	Period 1	Fundulus grandis postflexion larvae	0.02
Lower	Period 1	Sphaeroma terebrans	0.02
Lower	Period 1	alphaeid postlarvae	0.02
Lower	Period 1	Gambusia holbrooki juveniles	0.02
Lower	Period 1	dipterans, pupae	0.02
Lower	Period 1	odonates, zygoteran larvae	0.02
Lower	Period 1	Syngnathus scovelli juveniles	0.02
Lower	Period 1	Microgobius spp. flexion larvae	0.02
Lower	Period 1	Pinnixa sayana juveniles	0.02
Lower	Period 1	Menidia spp. preflexion larvae	0.02
Lower	Period 1	dipterans, ceratopogonid larvae	0.02
Lower	Period 1	dipterans, chironomid larvae	0.02
Lower	Period 1	Heterandria formosa juveniles	0.01

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Lower	Period 1	amphipods, caprellid	0.01
Lower	Period 1	dipterans, stratiomyid larvae	0.01
Lower	Period 1	Anchoa cubana juveniles	0.01
Lower	Period 1	Lucania parva juveniles	0.01
Lower	Period 1	Hirudinea	0.01
Lower	Period 1	Tilapia melanotheron juveniles	0.01
Lower	Period 1	coleopterans, dytiscid larvae	0.01
Lower	Period 1	Gambusia holbrooki adults	0.01
Lower	Period 1	branchiurans, Argulus spp.	0.01
Lower	Period 1	Fundulus spp. eggs	0.01
Lower	Period 1	Bowmaniella dissimilis	0.01
Lower	Period 1	Fundulus seminolis postflexion larvae	0.01
Lower	Period 1	Tilapia spp. postflexion larvae	0.01
Lower	Period 1	Menidia spp. flexion larvae	0.01
Downstream	Period 1	decapod zoeae	97.53
Downstream	Period 1	Clytia sp.	88.39
Downstream	Period 1	unidentified calanoids	24.50
Downstream	Period 1	Americamysis almyra	10.67
Downstream	Period 1	amphipods, gammaridean	7.85
Downstream	Period 1	Acartia tonsa	7.35
Downstream	Period 1	Mnemiopsis mccradyi	6.80
Downstream	Period 1	decapod megalopae	6.26
Downstream	Period 1	chaetognaths, sagittid	3.14
Downstream	Period 1	decapod mysis	2.70
Downstream	Period 1	Anchoa mitchilli juveniles	2.69
Downstream	Period 1	unidentified Americamysis juveniles	2.53
Downstream	Period 1	Labidocera aestiva	2.25
Downstream	Period 1	Gobiosoma spp. postflexion larvae	2.18
Downstream	Period 1	paracalanids	1.79
Downstream	Period 1	cumaceans	1.63
Downstream	Period 1	Anchoa spp. preflexion larvae	1.10
Downstream	Period 1	gobiid preflexion larvae	1.01
Downstream	Period 1	alpheid postlarvae	0.79
Downstream	Period 1	Palaemonetes spp. postlarvae	0.70
Downstream	Period 1	Brevoortia spp. metamorphs	0.67
Downstream	Period 1	cymothoid sp. a (Lironeca) juveniles	0.67
Downstream	Period 1	Anchoa spp. flexion larvae	0.63
Downstream	Period 1	gobiid flexion larvae	0.60
Downstream	Period 1	amphipods, caprellid	0.52
Downstream	Period 1	Lucifer faxoni juveniles and adults	0.52
Downstream	Period 1	Pseudodiaptomus coronatus	0.50
Downstream	Period 1	Anchoa mitchilli postflexion larvae	0.49
Downstream	Period 1	Evadne tergestina	0.47
Downstream	Period 1	Microgobius spp. postflexion larvae	0.46
Downstream	Period 1	Alteutha sp.	0.33
Downstream	Period 1	Chasmodes saburrae flexion larvae	0.31
Downstream	Period 1	cirriped nauplius stage	0.27
Downstream	Period 1	coleopterans, curculionid adults	0.26
Downstream	Period 1	Americamysis stucki	0.26
Downstream	Period 1	Americamysis bahia	0.24
Downstream	Period 1	Edotea triloba	0.23
Downstream	Period 1	Leiostomus xanthurus juveniles	0.23
Downstream	Period 1	Tozeuma carolinense postlarvae	0.23
Downstream	Period 1	Anchoa mitchilli eggs	0.22
Downstream	Period 1	fish eggs, percomorph	0.22
Downstream	Period 1	Microgobius spp. flexion larvae	0.20
Downstream	Period 1	Gobiosoma bosc juveniles	0.19

Downstream	Period 1	Oithona spp.	0.19
Downstream	Period 1	Petrolisthes armatus juveniles	0.17
Downstream	Period 1	blenniid preflexion larvae	0.16
Downstream	Period 1	foraminiferans	0.16
Downstream	Period 1	Monstrilla sp.	0.16
Downstream	Period 1	Pinnixa sayana juveniles	0.15
Downstream	Period 1	Polychaeta	0.14
Downstream	Period 1	pelecypods	0.13
Downstream	Period 1	Bathygobius soporator preflexion larvae	0.13
Downstream	Period 1	Parasterope pollex	0.12
Downstream	Period 1	Anchoa hepsetus postflexion larvae	0.10
Downstream	Period 1	Anchoa hepsetus juveniles	0.10
Downstream	Period 1	Gobiesox strumosus juveniles	0.09
Downstream	Period 1	dipterans, chironomid larvae	0.09
Downstream	Period 1	Ergasilus sp.	0.08
Downstream	Period 1	Anopsilana jonesi	0.08
Downstream	Period 1	Gobiesox strumosus preflexion larvae	0.08
Downstream	Period 1	Brevoortia spp. postflexion larvae	0.08
Downstream	Period 1	Cynoscion arenarius postflexion larvae	0.08
Downstream	Period 1	Gobiesox strumosus postflexion larvae	0.08
Downstream	Period 1	Chrysaora quinquecirrha	0.08
Downstream	Period 1	Gobiesox strumosus flexion larvae	0.08
Downstream	Period 1	Squilla empusa larvae	0.07
Downstream	Period 1	cirriped cypris stage	0.07
Downstream	Period 1	Upogebia spp. postlarvae	0.07
Downstream	Period 1	Palaemonetes pugio juveniles	0.06
Downstream	Period 1	Gobiosoma robustum juveniles	0.06
Downstream	Period 1	Ambidexter symmetricus postlarvae	0.06
Downstream	Period 1	appendicularian, Oikopleura dioica	0.06
Downstream	Period 1	Trinectes maculatus juveniles	0.06
Downstream	Period 1	Bowmaniella dissimilis	0.05
Downstream	Period 1	Microgobius gulosus adults	0.05
Downstream	Period 1	Cyclops sp.	0.05
Downstream	Period 1	penaeid metamorphs	0.05
Downstream	Period 1	Brevoortia smithi juveniles	0.05
Downstream	Period 1	Craspedacusta sowerbii	0.05
Downstream	Period 1	Cynoscion arenarius flexion larvae	0.05
Downstream	Period 1	Trinectes maculatus flexion larvae	0.05
Downstream	Period 1	Calanopia americana	0.05
Downstream	Period 1	Limulus polyphemus larvae	0.04
Downstream	Period 1	Trinectes maculatus postflexion larvae	0.04
Downstream	Period 1	Cynoscion arenarius preflexion larvae	0.04
Downstream	Period 1	Sarsiella zostericola	0.04
Downstream	Period 1	Microgobius gulosus juveniles	0.04
Downstream	Period 1	unidentified harpacticoids	0.04
Downstream	Period 1	Syngnathus louisianae juveniles	0.04
Downstream	Period 1	Mesocyclops edax	0.04
Downstream	Period 1	Rhithropanopeus harrisi juveniles	0.03
Downstream	Period 1	Oligoplites saurus juveniles	0.03
Downstream	Period 1	Opsanus beta juveniles	0.03
Downstream	Period 1	Palaemonetes pugio adults	0.03
Downstream	Period 1	Anchoa mitchilli adults	0.03
Downstream	Period 1	Strongylura spp. postflexion larvae	0.03
Downstream	Period 1	Menidia spp. postflexion larvae	0.03
Downstream	Period 1	ostracods, podocopid	0.03
Downstream	Period 1	Trinectes maculatus preflexion larvae	0.03
Downstream	Period 1	Lagodon rhomboides juveniles	0.03

Downstream	Period 1	cymothoid sp. b juveniles	0.03
Downstream	Period 1	Centropages hamatus	0.03
Downstream	Period 1	gastropods, prosobranch	0.03
Downstream	Period 1	Ogyrides alphaerostis juveniles and adults	0.03
Downstream	Period 1	Rhithropanopeus harrisii adults	0.03
Downstream	Period 1	Cassidinidea ovalis	0.03
Downstream	Period 1	Mugil curema juveniles	0.03
Downstream	Period 1	Probopyrus sp. (attached)	0.03
Downstream	Period 1	Chasmodes saburrae postflexion larvae	0.03
Downstream	Period 1	siphonostomatids	0.02
Downstream	Period 1	Beroe ovata	0.02
Downstream	Period 1	Syngnathus scovelli adults	0.02
Downstream	Period 1	Liriope tetraphylla	0.02
Downstream	Period 1	Syngnathus scovelli juveniles	0.02
Downstream	Period 1	Hargeria rapax	0.02
Downstream	Period 1	Membras martinica juveniles	0.02
Downstream	Period 1	Cynoscion arenarius juveniles	0.02
Downstream	Period 1	Loliguncula brevis juveniles	0.02
Downstream	Period 1	Elops saurus postflexion larvae	0.02
Downstream	Period 1	Eucерamus praelongus juveniles	0.02
Downstream	Period 1	Brevoortia patronus juveniles	0.02
Downstream	Period 1	Menidia spp. juveniles	0.02
Downstream	Period 1	gastropods, opisthobranch	0.02
Downstream	Period 1	Sphaeroma quadridentata	0.02
Downstream	Period 1	Leptochela serratorbita juveniles	0.02
Downstream	Period 1	Erichsonella attenuata	0.02
Downstream	Period 1	oligochaetes	0.02
Downstream	Period 1	Achirus lineatus flexion larvae	0.02
Downstream	Period 1	Bairdiella chrysoura flexion larvae	0.01
Downstream	Period 1	Sinelobus stanfordi	0.01
Downstream	Period 1	Menidia spp. preflexion larvae	0.01
Downstream	Period 1	Periclimenes spp. postlarvae	0.01
Downstream	Period 1	gerreid postflexion larvae	0.01
Downstream	Period 1	Fundulus spp. postflexion larvae	0.01
Downstream	Period 1	Fundulus grandis postflexion larvae	0.01
Downstream	Period 1	Menticirrhus spp. preflexion larvae	0.01
Downstream	Period 1	thaliaceans	0.01
Downstream	Period 1	Bathygobius soporator flexion larvae	0.01
Downstream	Period 1	Anchoa cubana juveniles	0.01
Downstream	Period 1	Gobiesox strumosus adults	0.01
Downstream	Period 1	Callinectes sapidus juveniles	0.01
Downstream	Period 1	Bairdiella chrysoura juveniles	0.01
Downstream	Period 1	Gobiosoma bosc adults	0.01
Downstream	Period 1	branchiurans, Argulus spp.	0.01
Downstream	Period 1	Tozeuma carolinense adults	0.01
Downstream	Period 1	Bairdiella chrysoura postflexion larvae	0.01
Downstream	Period 1	alpheid juveniles	0.01
Downstream	Period 1	Achirus lineatus postflexion larvae	0.01
Downstream	Period 1	pycnogonids	0.01
Downstream	Period 1	Farfantepenaeus duorarum juveniles	0.01
Downstream	Period 1	Acari	0.01
Downstream	Period 1	Anchoa hepsetus eggs	0.01
Downstream	Period 1	Fundulus seminolis postflexion larvae	0.01
Downstream	Period 1	Hirudinea	0.01
Downstream	Period 1	cymothoid sp. c juveniles	0.01
Downstream	Period 1	Menticirrhus spp. flexion larvae	0.01
Downstream	Period 1	Alpheus viridari juveniles	0.01

Downstream	Period 1	Tozeuma carolinense juveniles	0.01
Downstream	Period 1	Cyathura polita	0.01
Downstream	Period 1	Leptochela serratorbita adults	0.01
Downstream	Period 1	Brasilomysis castroi	0.01
Downstream	Period 1	Mugil cephalus juveniles	0.01
Downstream	Period 1	xanthid juveniles	0.01
Downstream	Period 1	Microgobius thalassinus juveniles	0.01
Downstream	Period 1	porcellanid (not P. armatus) juveniles	0.01
Downstream	Period 1	Harrieta faxonii	0.01
Downstream	Period 1	Oligoplites saurus postflexion larvae	0.01
Downstream	Period 1	coleopterans, dytiscid adults	0.01
Middle	Period 2	decapod zoeae	67.52
Middle	Period 2	Clytia sp.	35.05
Middle	Period 2	Acartia tonsa	9.31
Middle	Period 2	Americamysis almyra	6.38
Middle	Period 2	unidentified Americamysis juveniles	3.61
Middle	Period 2	Polychaeta	2.64
Middle	Period 2	decapod mysis	2.18
Middle	Period 2	decapod megalopae	2.11
Middle	Period 2	Anchoa mitchilli eggs	1.83
Middle	Period 2	medusa, sp. f (28 long, slender tentacles)	1.36
Middle	Period 2	amphipods, gammaridean	1.02
Middle	Period 2	chaetognaths, sagittid	0.99
Middle	Period 2	Gobiosoma spp. postflexion larvae	0.50
Middle	Period 2	Microgobius spp. postflexion larvae	0.39
Middle	Period 2	gobiid flexion larvae	0.26
Middle	Period 2	Microgobius spp. flexion larvae	0.24
Middle	Period 2	gastropods, prosobranch	0.23
Middle	Period 2	Palaemonetes spp. postlarvae	0.21
Middle	Period 2	Menidia spp. postflexion larvae	0.21
Middle	Period 2	Menidia spp. adults	0.21
Middle	Period 2	Diaptomus sp.	0.14
Middle	Period 2	Pseudodiaptomus coronatus	0.11
Middle	Period 2	Anchoa mitchilli juveniles	0.11
Middle	Period 2	dipterans, chironomid larvae	0.09
Middle	Period 2	Gobiosoma robustum juveniles	0.08
Middle	Period 2	Cassidinidea ovalis	0.08
Middle	Period 2	dipteran, Chaoborus punctipennis larvae	0.08
Middle	Period 2	Menidia spp. preflexion larvae	0.08
Middle	Period 2	hemipterans, gerrid adults	0.07
Middle	Period 2	Menidia spp. flexion larvae	0.07
Middle	Period 2	cymothoid sp. a (Lironeca) juveniles	0.07
Middle	Period 2	medusa sp. c	0.07
Middle	Period 2	dipterans, pupae	0.07
Middle	Period 2	gobiid preflexion larvae	0.06
Middle	Period 2	ostracods, podocypid	0.06
Middle	Period 2	Microgobius gulosus juveniles	0.06
Middle	Period 2	Menidia spp. juveniles	0.05
Middle	Period 2	pelecypods	0.05
Middle	Period 2	cumaceans	0.04
Middle	Period 2	Craspedacusta sowerbii	0.04
Middle	Period 2	gobiid eggs	0.04
Middle	Period 2	Sphaeroma terebrans	0.04
Middle	Period 2	Ergasilus sp.	0.03
Middle	Period 2	nematodes	0.03
Middle	Period 2	Cyclops sp.	0.03
Middle	Period 2	Edotea triloba	0.03

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Middle	Period 2	cirriped nauplius stage	0.03
Middle	Period 2	Palaemonetes pugio juveniles	0.03
Middle	Period 2	Lucifer faxoni juveniles and adults	0.03
Middle	Period 2	cladocerans, Daphnia spp.	0.03
Middle	Period 2	Mesocyclops edax	0.03
Middle	Period 2	collembolas, podurid	0.02
Middle	Period 2	Simocephalus vetulus	0.02
Middle	Period 2	Anopsilana jonesi	0.02
Middle	Period 2	Gambusia holbrooki adults	0.02
Middle	Period 2	Gambusia holbrooki juveniles	0.02
Middle	Period 2	Tilapia melanotheron juveniles	0.02
Middle	Period 2	Loliguncula brevis juveniles	0.02
Middle	Period 2	Chrysaora quinquecirrha	0.02
Middle	Period 2	Munna reynoldsi	0.02
Middle	Period 2	ephemeropteran larvae	0.02
Middle	Period 2	Sida crystallina	0.02
Middle	Period 2	hemipterans, pleid adults	0.02
Middle	Period 2	Cyathura polita	0.01
Middle	Period 2	Anchoa mitchilli adults	0.01
Middle	Period 2	Membras martinica preflexion larvae	0.01
Middle	Period 2	hemipterans, nepid adults	0.01
Middle	Period 2	dipterans, stratiomyid larvae	0.01
Middle	Period 2	Hirudinea	0.01
Middle	Period 2	Acari	0.01
Middle	Period 2	oligochaetes	0.01
Middle	Period 2	Anchoa spp. flexion larvae	0.01
Middle	Period 2	Parasterope pollex	0.01
Middle	Period 2	Lucania parva juveniles	0.01
Middle	Period 2	Trinectes maculatus juveniles	0.01
Middle	Period 2	Rhithropanopeus harrisi juveniles	0.01
Middle	Period 2	Gobiesox strumosus juveniles	0.01
Middle	Period 2	Rhithropanopeus harrisi adults	0.01
Middle	Period 2	Trinectes maculatus postflexion larvae	0.01
Middle	Period 2	medusa sp. d	0.01
Middle	Period 2	Brevoortia spp. metamorphs	0.01
Middle	Period 2	branchiurans, Argulus spp.	0.01
Middle	Period 2	Lucania parva adults	0.01
Middle	Period 2	unidentified harpacticoids	0.01
Middle	Period 2	Dorosoma spp. preflexion larvae	0.01
Middle	Period 2	Palaemonetes pugio adults	0.01
Middle	Period 2	trichopteran larvae	0.01
Middle	Period 2	Hargeria rapax	0.01
Middle	Period 2	Macrocyclus albidus	0.01
Middle	Period 2	Menidia spp. eggs	0.01
Middle	Period 2	coleopterans, curculionid adults	0.01
Middle	Period 2	odonates, zygoteran larvae	0.01
Middle	Period 2	Orthocyclops modestus	0.01
Lower	Period 2	decapod zoeae	127.21
Lower	Period 2	Acartia tonsa	46.63
Lower	Period 2	Clytia sp.	39.07
Lower	Period 2	Americamysis almyra	25.75
Lower	Period 2	unidentified Americamysis juveniles	8.20
Lower	Period 2	decapod megalopae	4.99
Lower	Period 2	Gobiosoma spp. postflexion larvae	4.58
Lower	Period 2	amphipods, gammaridean	1.82
Lower	Period 2	Anchoa mitchilli juveniles	1.65
Lower	Period 2	Diaptomus sp.	1.38

Lower	Period 2	Polychaeta	1.27
Lower	Period 2	medusa, sp. f (28 long, slender tentacles)	1.24
Lower	Period 2	decapod mysis	0.95
Lower	Period 2	gastropods, prosobranch	0.77
Lower	Period 2	Cyclops sp.	0.74
Lower	Period 2	Microgobius spp. postflexion larvae	0.53
Lower	Period 2	Palaemonetes spp. postlarvae	0.45
Lower	Period 2	Anchoa mitchilli eggs	0.44
Lower	Period 2	Gobiosoma robustum juveniles	0.39
Lower	Period 2	cymothoid sp. a (Lironeca) juveniles	0.39
Lower	Period 2	medusa sp. d	0.31
Lower	Period 2	Anchoa mitchilli adults	0.25
Lower	Period 2	gobiid flexion larvae	0.25
Lower	Period 2	Ergasilus sp.	0.21
Lower	Period 2	Taphromysis bowmani	0.15
Lower	Period 2	Pseudodiaptomus coronatus	0.09
Lower	Period 2	chaetognaths, sagittid	0.09
Lower	Period 2	Microgobius spp. flexion larvae	0.09
Lower	Period 2	gobiid preflexion larvae	0.07
Lower	Period 2	Menidia spp. flexion larvae	0.07
Lower	Period 2	Edotea triloba	0.06
Lower	Period 2	dipteran, Chaoborus punctipennis larvae	0.06
Lower	Period 2	Cassidinidea ovalis	0.06
Lower	Period 2	Menidia spp. postflexion larvae	0.06
Lower	Period 2	Gobiesox strumosus juveniles	0.05
Lower	Period 2	dipterans, chironomid larvae	0.05
Lower	Period 2	Menidia spp. preflexion larvae	0.05
Lower	Period 2	Anchoa mitchilli postflexion larvae	0.05
Lower	Period 2	pelecypods	0.05
Lower	Period 2	Palaemonetes pugio juveniles	0.05
Lower	Period 2	Microgobius thalassinus juveniles	0.04
Lower	Period 2	Sphaeroma quadridentata	0.04
Lower	Period 2	Acari	0.04
Lower	Period 2	Anopsilana jonesi	0.04
Lower	Period 2	ostracods, podocopid	0.03
Lower	Period 2	Microgobius gulosus juveniles	0.03
Lower	Period 2	Brevoortia smithi juveniles	0.03
Lower	Period 2	gastropods, opisthobranch	0.03
Lower	Period 2	Cyprinodon variegatus postflexion larvae	0.03
Lower	Period 2	Liriope tetraphylla	0.03
Lower	Period 2	Bathygobius soporator preflexion larvae	0.03
Lower	Period 2	Mnemiopsis mccradyi	0.03
Lower	Period 2	Chrysaora quinquecirrha	0.03
Lower	Period 2	Menidia spp. juveniles	0.03
Lower	Period 2	nematodes	0.03
Lower	Period 2	Lucania parva juveniles	0.03
Lower	Period 2	Bowmaniella dissimilis	0.03
Lower	Period 2	dipterans, pupae	0.03
Lower	Period 2	Munna reynoldsi	0.03
Lower	Period 2	Menidia spp. eggs	0.02
Lower	Period 2	Gobiesox strumosus flexion larvae	0.02
Lower	Period 2	Fundulus grandis postflexion larvae	0.02
Lower	Period 2	unidentified harpacticoids	0.02
Lower	Period 2	Sphaeroma terebrans	0.02
Lower	Period 2	Squilla empusa larvae	0.02
Lower	Period 2	cumaceans	0.02
Lower	Period 2	oligochaetes	0.02

Lower	Period 2	xanthid juveniles	0.02
Lower	Period 2	Trinectes maculatus postflexion larvae	0.02
Lower	Period 2	Tilapia spp. juveniles	0.02
Lower	Period 2	Membras martinica preflexion larvae	0.02
Lower	Period 2	Palaemonetes pugio adults	0.02
Lower	Period 2	fish eggs, percomorph	0.02
Lower	Period 2	Anchoa mitchilli preflexion larvae	0.01
Lower	Period 2	Gobiesox strumosus postflexion larvae	0.01
Lower	Period 2	Brevoortia spp. metamorphs	0.01
Lower	Period 2	Gobiosoma bosc juveniles	0.01
Lower	Period 2	Poecilia latipinna juveniles	0.01
Lower	Period 2	anuran larvae	0.01
Lower	Period 2	Trinectes maculatus juveniles	0.01
Lower	Period 2	Ictalurus punctatus juveniles	0.01
Lower	Period 2	Mesocyclops edax	0.01
Lower	Period 2	lepidopterans, pyralid larvae	0.01
Lower	Period 2	Elops saurus postflexion larvae	0.01
Lower	Period 2	isopod sp. a	0.01
Lower	Period 2	Anchoa spp. flexion larvae	0.01
Lower	Period 2	Hirudinea	0.01
Lower	Period 2	amphipods, caprellid	0.01
Lower	Period 2	Craspedacusta sowerbii	0.01
Lower	Period 2	Syngnathus louisianae juveniles	0.01
Lower	Period 2	trichopteran larvae	0.01
Lower	Period 2	coleopterans, curculionid adults	0.01
Lower	Period 2	hemipterans, gerrid adults	0.01
Lower	Period 2	mysid sp. A	0.01
Lower	Period 2	collembolas, podurid	0.01
Lower	Period 2	appendicularian, Oikopleura dioica	0.01
Lower	Period 2	Rhithropanopeus harrisi adults	0.01
Lower	Period 2	Cyathura polita	0.01
Lower	Period 2	siphonostomatids	0.01
Lower	Period 2	Gambusia holbrooki juveniles	0.01
Downstream	Period 2	decapod zoeae	142.55
Downstream	Period 2	Acartia tonsa	38.72
Downstream	Period 2	Clytia sp.	31.57
Downstream	Period 2	Americamysis almyra	21.25
Downstream	Period 2	fish eggs, percomorph	10.47
Downstream	Period 2	Liriope tetraphylla	8.54
Downstream	Period 2	Gobiosoma spp. postflexion larvae	7.11
Downstream	Period 2	unidentified Americamysis juveniles	6.90
Downstream	Period 2	decapod megalopae	6.32
Downstream	Period 2	amphipods, gammaridean	5.81
Downstream	Period 2	chaetognaths, sagittid	5.63
Downstream	Period 2	Evadne tergestina	4.16
Downstream	Period 2	decapod mysis	3.92
Downstream	Period 2	Labidocera aestiva	3.81
Downstream	Period 2	gobiid preflexion larvae	2.39
Downstream	Period 2	appendicularian, Oikopleura dioica	1.92
Downstream	Period 2	Polychaeta	1.56
Downstream	Period 2	brachiopod, Glottidia pyramidata larvae	1.28
Downstream	Period 2	Lucifer faxoni juveniles and adults	1.27
Downstream	Period 2	gobiid flexion larvae	1.25
Downstream	Period 2	Anchoa mitchilli juveniles	1.19
Downstream	Period 2	Anchoa spp. preflexion larvae	0.89
Downstream	Period 2	Parasterope pollex	0.86
Downstream	Period 2	cumaceans	0.85

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Downstream	Period 2	Edotea triloba	0.68
Downstream	Period 2	Gobiesox strumosus postflexion larvae	0.65
Downstream	Period 2	Mnemiopsis mccradyi	0.63
Downstream	Period 2	gerreid preflexion larvae	0.63
Downstream	Period 2	Palaemonetes spp. postlarvae	0.58
Downstream	Period 2	Anchoa mitchilli postflexion larvae	0.57
Downstream	Period 2	Anchoa mitchilli eggs	0.57
Downstream	Period 2	Pinnixa sayana juveniles	0.55
Downstream	Period 2	Anchoa spp. flexion larvae	0.49
Downstream	Period 2	Anchoa hepsetus postflexion larvae	0.49
Downstream	Period 2	cymothoid sp. a (Lironeca) juveniles	0.36
Downstream	Period 2	xanthid juveniles	0.36
Downstream	Period 2	Lysmata sp. juveniles	0.33
Downstream	Period 2	Microgobius spp. postflexion larvae	0.30
Downstream	Period 2	amphipods, caprellid	0.29
Downstream	Period 2	Pseudodiaptomus coronatus	0.28
Downstream	Period 2	Cyclops sp.	0.26
Downstream	Period 2	Erichsonella attenuata	0.25
Downstream	Period 2	alphaeid postlarvae	0.24
Downstream	Period 2	unidentified harpacticoids	0.19
Downstream	Period 2	Gobiesox strumosus flexion larvae	0.19
Downstream	Period 2	Gobiesox strumosus preflexion larvae	0.17
Downstream	Period 2	Monstrilla sp.	0.17
Downstream	Period 2	Petrolisthes armatus juveniles	0.17
Downstream	Period 2	Limulus polyphemus larvae	0.15
Downstream	Period 2	medusa, sp. f (28 long, slender tentacles)	0.14
Downstream	Period 2	processid postlarvae	0.13
Downstream	Period 2	Chloroscombrus chrysurus juveniles	0.12
Downstream	Period 2	Microgobius spp. flexion larvae	0.11
Downstream	Period 2	Cynoscion arenarius flexion larvae	0.11
Downstream	Period 2	Gobiesox strumosus juveniles	0.11
Downstream	Period 2	gastropods, prosobranch	0.11
Downstream	Period 2	nematodes	0.11
Downstream	Period 2	cirriped nauplius stage	0.11
Downstream	Period 2	Bowmaniella dissimilis	0.11
Downstream	Period 2	Chloroscombrus chrysurus postflexion larvae	0.10
Downstream	Period 2	Cyprinodon variegatus eggs	0.10
Downstream	Period 2	medusa sp. b	0.10
Downstream	Period 2	Cynoscion arenarius preflexion larvae	0.09
Downstream	Period 2	Hippolyte zostericola postlarvae	0.08
Downstream	Period 2	Trinectes maculatus postflexion larvae	0.08
Downstream	Period 2	alphaeid juveniles	0.07
Downstream	Period 2	blenniid preflexion larvae	0.07
Downstream	Period 2	Ergasilus sp.	0.07
Downstream	Period 2	Chasmodes saburrae flexion larvae	0.07
Downstream	Period 2	Brevoortia smithi juveniles	0.07
Downstream	Period 2	Chrysaora quinquecirrha	0.07
Downstream	Period 2	Rhithropanopeus harrisi juveniles	0.07
Downstream	Period 2	Chasmodes saburrae postflexion larvae	0.07
Downstream	Period 2	Bathygobius soporator postflexion larvae	0.06
Downstream	Period 2	Bathygobius soporator flexion larvae	0.06
Downstream	Period 2	Gobiosoma bosc juveniles	0.06
Downstream	Period 2	pelecypods	0.06
Downstream	Period 2	Gobiosoma robustum juveniles	0.05
Downstream	Period 2	oligochaetes	0.05
Downstream	Period 2	dipteran, Chaoborus punctipennis larvae	0.05
Downstream	Period 2	Branchiostoma floridae	0.05

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Downstream	Period 2	Bairdiella chrysoura preflexion larvae	0.05
Downstream	Period 2	Squilla empusa larvae	0.05
Downstream	Period 2	Upogebia spp. postlarvae	0.05
Downstream	Period 2	Trinectes maculatus flexion larvae	0.05
Downstream	Period 2	Bathygobius soporator preflexion larvae	0.05
Downstream	Period 2	Brevoortia spp. postflexion larvae	0.05
Downstream	Period 2	Centropages hamatus	0.04
Downstream	Period 2	Anchoa hepsetus juveniles	0.04
Downstream	Period 2	Upogebia spp. juveniles	0.04
Downstream	Period 2	Tilapia spp. postflexion larvae	0.04
Downstream	Period 2	Periclimenes spp. postlarvae	0.04
Downstream	Period 2	hemichordate larvae	0.04
Downstream	Period 2	dipterans, pupae	0.04
Downstream	Period 2	Loliguncula brevis juveniles	0.04
Downstream	Period 2	ostracods, podocopid	0.04
Downstream	Period 2	Menidia spp. juveniles	0.04
Downstream	Period 2	Menidia spp. postflexion larvae	0.04
Downstream	Period 2	Trinectes maculatus preflexion larvae	0.04
Downstream	Period 2	branchiurans, Argulus spp.	0.03
Downstream	Period 2	dipterans, chironomid larvae	0.03
Downstream	Period 2	Anchoa mitchilli adults	0.03
Downstream	Period 2	Syngnathus louisianae juveniles	0.03
Downstream	Period 2	Sinelobus stanfordi	0.03
Downstream	Period 2	shrimps, unidentified postlarvae	0.03
Downstream	Period 2	Ambidexter symmetricus postlarvae	0.03
Downstream	Period 2	Munna reynoldsi	0.03
Downstream	Period 2	Craspedacusta sowerii	0.03
Downstream	Period 2	siphonostomatids	0.03
Downstream	Period 2	Lupinoblennius nicholsi flexion larvae	0.03
Downstream	Period 2	Menidia spp. preflexion larvae	0.03
Downstream	Period 2	paracalanids	0.03
Downstream	Period 2	Saphirella spp.	0.03
Downstream	Period 2	Palaemonetes pugio juveniles	0.03
Downstream	Period 2	Sarsiella zostericola	0.03
Downstream	Period 2	Cynoscion arenarius postflexion larvae	0.03
Downstream	Period 2	Palaemonetes pugio adults	0.03
Downstream	Period 2	Lupinoblennius nicholsi postflexion larvae	0.03
Downstream	Period 2	Alteutha sp.	0.03
Downstream	Period 2	Syngnathus scovelli juveniles	0.02
Downstream	Period 2	Microgobius gulosus juveniles	0.02
Downstream	Period 2	Cassidinidea ovalis	0.02
Downstream	Period 2	Anopsilana jonesi	0.02
Downstream	Period 2	Dormitator maculatus postflexion larvae	0.02
Downstream	Period 2	Hargeria rapax	0.02
Downstream	Period 2	Tozeuma carolinense postlarvae	0.02
Downstream	Period 2	Fundulus grandis postflexion larvae	0.02
Downstream	Period 2	Sphaeroma terebrans	0.02
Downstream	Period 2	gobiid eggs	0.02
Downstream	Period 2	gastropods, opisthobranch	0.02
Downstream	Period 2	Diaptomus sp.	0.02
Downstream	Period 2	Americamysis bahia	0.02
Downstream	Period 2	cymothoid sp. b juveniles	0.02
Downstream	Period 2	Harrieta faxoni	0.02
Downstream	Period 2	Menticirrhus spp. preflexion larvae	0.02
Downstream	Period 2	Cyathura polita	0.02
Downstream	Period 2	Brevoortia spp. metamorphs	0.02
Downstream	Period 2	Cynoscion nebulosus flexion larvae	0.02

Downstream	Period 2	Menticirrhus spp. postflexion larvae	0.02
Downstream	Period 2	pycnogonids	0.02
Downstream	Period 2	Trinectes maculatus juveniles	0.02
Downstream	Period 2	Microgobius thalassinus juveniles	0.02
Downstream	Period 2	Calanopia americana	0.02
Downstream	Period 2	Menidia spp. eggs	0.02
Downstream	Period 2	Menticirrhus spp. flexion larvae	0.02
Downstream	Period 2	Cynoscion arenarius juveniles	0.02
Downstream	Period 2	Beroe ovata	0.02
Downstream	Period 2	Eurypanopeus depressus adults	0.02
Downstream	Period 2	sipunculids	0.02
Downstream	Period 2	turbellarians	0.02
Downstream	Period 2	Elops saurus postflexion larvae	0.01
Downstream	Period 2	Achirus lineatus flexion larvae	0.01
Downstream	Period 2	Achirus lineatus preflexion larvae	0.01
Downstream	Period 2	Hypsoblennius spp. postflexion larvae	0.01
Downstream	Period 2	thaliaceans	0.01
Downstream	Period 2	Penilia avirostris	0.01
Downstream	Period 2	Americamysis stucki	0.01
Downstream	Period 2	cirriped cypris stage	0.01
Downstream	Period 2	medusa sp. c	0.01
Downstream	Period 2	Achirus lineatus postflexion larvae	0.01
Downstream	Period 2	Microgobius gulosus adults	0.01
Downstream	Period 2	Anchoa cubana juveniles	0.01
Downstream	Period 2	Centropages velificatus	0.01
Downstream	Period 2	Menidia spp. flexion larvae	0.01
Downstream	Period 2	Gambusia holbrooki juveniles	0.01
Downstream	Period 2	Hypsoblennius spp. flexion larvae	0.01
Downstream	Period 2	Oligoplites saurus juveniles	0.01
Downstream	Period 2	Rhithropanopeus harrisi adults	0.01
Downstream	Period 2	medusa sp. a	0.01
Downstream	Period 2	Hippocampus erectus juveniles	0.01
Downstream	Period 2	paguroid juveniles	0.01
Downstream	Period 2	Sphaeroma quadridentata	0.01
Downstream	Period 2	Temora turbinata	0.01
Downstream	Period 2	Lagodon rhomboides juveniles	0.01
Downstream	Period 2	Hirudinea	0.01
Downstream	Period 2	Oithona spp.	0.01
Downstream	Period 2	penaeid metamorphs	0.01
Downstream	Period 2	Syngnathus scovelli adults	0.01
Downstream	Period 2	Ogyrides alphaerostis juveniles and adults	0.01
Downstream	Period 2	Membras martinica juveniles	0.01
Downstream	Period 2	Cynoscion nebulosus preflexion larvae	0.01
Downstream	Period 2	Cyprinodon variegatus postflexion larvae	0.01
Downstream	Period 2	Lucania parva adults	0.01
Downstream	Period 2	Cynoscion nebulosus postflexion larvae	0.01
Downstream	Period 2	Microgobius thalassinus adults	0.01
Downstream	Period 2	Ilyocypris sp.	0.01
Downstream	Period 2	cymothoid sp. c juveniles	0.01
Downstream	Period 2	gerreid postflexion larvae	0.01
Downstream	Period 2	coleopterans, curculionid adults	0.01
Downstream	Period 2	Bairdiella chrysoura postflexion larvae	0.01
Downstream	Period 2	Opsanus beta adults	0.01
Downstream	Period 2	isopod sp. a	0.01
Downstream	Period 2	Mugil cephalus juveniles	0.01
Downstream	Period 2	collembolas, podurid	0.01
Middle	Period 3	decapod zoeae	57.74

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Middle	Period 3	Clytia sp.	5.39
Middle	Period 3	amphipods, gammaridean	1.33
Middle	Period 3	Americamysis almyra	0.75
Middle	Period 3	Pseudodiaptomus coronatus	0.54
Middle	Period 3	Gobiosoma spp. postflexion larvae	0.53
Middle	Period 3	Diaphanosoma brachyurum	0.44
Middle	Period 3	Acartia tonsa	0.33
Middle	Period 3	dipterans, culicid larvae	0.27
Middle	Period 3	unidentified Americamysis juveniles	0.26
Middle	Period 3	Polychaeta	0.25
Middle	Period 3	ostracods, podocopid	0.23
Middle	Period 3	gastropods, prosobranch	0.18
Middle	Period 3	Anchoa mitchilli juveniles	0.15
Middle	Period 3	Palaemonetes spp. postlarvae	0.14
Middle	Period 3	cymothoid sp. a (Lironeca) juveniles	0.13
Middle	Period 3	decapod mysis	0.12
Middle	Period 3	decapod megalopae	0.10
Middle	Period 3	oligochaetes	0.10
Middle	Period 3	pelecypods	0.09
Middle	Period 3	gobiid preflexion larvae	0.06
Middle	Period 3	Cassidinidea ovalis	0.06
Middle	Period 3	Oithona spp.	0.06
Middle	Period 3	Anopsilana jonesi	0.05
Middle	Period 3	dipterans, chironomid larvae	0.05
Middle	Period 3	Ergasilus sp.	0.05
Middle	Period 3	Edotea triloba	0.04
Middle	Period 3	Menidia spp. preflexion larvae	0.04
Middle	Period 3	Anchoa mitchilli eggs	0.04
Middle	Period 3	dipterans, pupae	0.04
Middle	Period 3	Macrocyclus albidus	0.04
Middle	Period 3	Gobiesox strumosus postflexion larvae	0.03
Middle	Period 3	coleopterans, gyrid larvae	0.03
Middle	Period 3	Munna reynoldsi	0.03
Middle	Period 3	Microgobius spp. postflexion larvae	0.03
Middle	Period 3	Gambusia holbrooki juveniles	0.03
Middle	Period 3	hemipterans, corixid juveniles	0.03
Middle	Period 3	coleopterans, noterid adults	0.03
Middle	Period 3	gobiid flexion larvae	0.03
Middle	Period 3	cladocerans, Daphnia spp.	0.03
Middle	Period 3	nematodes	0.03
Middle	Period 3	dipteran, Chaoborus punctipennis larvae	0.03
Middle	Period 3	coleopterans, noterid larvae	0.03
Middle	Period 3	coleopterans, haliplid larvae	0.02
Middle	Period 3	collembolas, podurid	0.02
Middle	Period 3	cumaceans	0.02
Middle	Period 3	Sphaeroma terebrans	0.02
Middle	Period 3	Diaptomus sp.	0.02
Middle	Period 3	Cyclops sp.	0.02
Middle	Period 3	hemipterans, corixid adults	0.02
Middle	Period 3	Palaemonetes pugio juveniles	0.02
Middle	Period 3	Brevoortia spp. metamorphs	0.02
Middle	Period 3	lepidopterans, pyralid larvae	0.02
Middle	Period 3	coleopterans, elmid adults	0.02
Middle	Period 3	odonates, zygoteran larvae	0.02
Middle	Period 3	Lucifer faxoni juveniles and adults	0.02
Middle	Period 3	dipterans, tabanid larvae	0.02
Middle	Period 3	dipterans, stratiomyid larvae	0.01

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Middle	Period 3	hemipterans, pleid adults	0.01
Middle	Period 3	dipterans, muscid larvae	0.01
Middle	Period 3	Lucania parva juveniles	0.01
Middle	Period 3	isopod sp. a	0.01
Middle	Period 3	Mugil cephalus juveniles	0.01
Middle	Period 3	Palaemonetes pugio adults	0.01
Middle	Period 3	Anchoa mitchilli postflexion larvae	0.01
Middle	Period 3	branchiurans, Argulus spp.	0.01
Middle	Period 3	Elops saurus postflexion larvae	0.01
Middle	Period 3	trichopteran larvae	0.01
Middle	Period 3	Hirudinea	0.01
Middle	Period 3	Trinectes maculatus juveniles	0.01
Middle	Period 3	Lepomis punctatus juveniles	0.01
Middle	Period 3	Menidia spp. postflexion larvae	0.01
Middle	Period 3	unidentified harpacticoids	0.01
Middle	Period 3	Labidocera aestiva	0.01
Middle	Period 3	Labidesthes sicculus flexion larvae	0.01
Middle	Period 3	hemipterans, belostomatid adults	0.01
Middle	Period 3	hemipterans, gerrid adults	0.01
Middle	Period 3	Lucania parva adults	0.01
Lower	Period 3	decapod zoeae	64.11
Lower	Period 3	Acartia tonsa	9.56
Lower	Period 3	Polychaeta	3.26
Lower	Period 3	Clytia sp.	2.74
Lower	Period 3	unidentified Americamysis juveniles	2.39
Lower	Period 3	Americamysis almyra	2.27
Lower	Period 3	amphipods, gammaridean	1.39
Lower	Period 3	gobiid preflexion larvae	1.17
Lower	Period 3	Microgobius spp. flexion larvae	0.69
Lower	Period 3	Gobiosoma spp. postflexion larvae	0.64
Lower	Period 3	Palaemonetes spp. postlarvae	0.51
Lower	Period 3	decapod mysis	0.47
Lower	Period 3	Microgobius spp. postflexion larvae	0.42
Lower	Period 3	Anchoa mitchilli juveniles	0.42
Lower	Period 3	Pseudodiaptomus coronatus	0.36
Lower	Period 3	pelecypods	0.28
Lower	Period 3	decapod megalopae	0.24
Lower	Period 3	Lucifer faxoni juveniles and adults	0.19
Lower	Period 3	oligochaetes	0.18
Lower	Period 3	gobiid flexion larvae	0.16
Lower	Period 3	Diaphanosoma brachyurum	0.15
Lower	Period 3	Gobiesox strumosus juveniles	0.15
Lower	Period 3	gastropods, prosobranch	0.13
Lower	Period 3	Anchoa mitchilli postflexion larvae	0.13
Lower	Period 3	Ilyocryptus sp.	0.12
Lower	Period 3	cymothoid sp. a (Lironeca) juveniles	0.12
Lower	Period 3	Cyclops sp.	0.09
Lower	Period 3	cumaceans	0.07
Lower	Period 3	dipterans, culicid larvae	0.07
Lower	Period 3	Gobiesox strumosus flexion larvae	0.07
Lower	Period 3	nematodes	0.06
Lower	Period 3	Alteutha sp.	0.06
Lower	Period 3	chaetognaths, sagittid	0.06
Lower	Period 3	dipterans, chironomid larvae	0.05
Lower	Period 3	Leydigia sp.	0.05
Lower	Period 3	Macrocyclus albidus	0.05
Lower	Period 3	ostracods, podocopid	0.05

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Lower	Period 3	Edotea triloba	0.05
Lower	Period 3	Ergasilus sp.	0.04
Lower	Period 3	odonates, zygoteran larvae	0.04
Lower	Period 3	Anchoa spp. preflexion larvae	0.04
Lower	Period 3	Mesocyclops edax	0.04
Lower	Period 3	Syngnathus scovelli juveniles	0.04
Lower	Period 3	Menidia spp. juveniles	0.04
Lower	Period 3	unidentified freshwater cyclopoids	0.04
Lower	Period 3	Cassinidea ovalis	0.04
Lower	Period 3	Diaptomus sp.	0.04
Lower	Period 3	Upogebia spp. postlarvae	0.04
Lower	Period 3	Palaemonetes pugio juveniles	0.04
Lower	Period 3	dipterans, stratiomyid larvae	0.03
Lower	Period 3	dipterans, pupae	0.03
Lower	Period 3	Lucania parva postflexion larvae	0.03
Lower	Period 3	Rhithropanopeus harrisii juveniles	0.03
Lower	Period 3	dipteran, Chaoborus punctipennis larvae	0.03
Lower	Period 3	Anchoa spp. flexion larvae	0.03
Lower	Period 3	Latonopsis fasciculata	0.03
Lower	Period 3	coleopterans, gyrinid larvae	0.03
Lower	Period 3	Brevoortia spp. postflexion larvae	0.03
Lower	Period 3	Menidia spp. preflexion larvae	0.03
Lower	Period 3	Gobiosoma strumosus preflexion larvae	0.03
Lower	Period 3	dipterans, ephyrid larvae	0.03
Lower	Period 3	Mnemiopsis mcradyi	0.03
Lower	Period 3	Syngnathus louisianae juveniles	0.03
Lower	Period 3	alpheid postlarvae	0.03
Lower	Period 3	Anchoa mitchilli adults	0.03
Lower	Period 3	Oithona spp.	0.03
Lower	Period 3	coleopterans, scirtid larvae	0.03
Lower	Period 3	medusa, sp. g (like Rhopalonema wt/ top knob)	0.03
Lower	Period 3	Bathygobius soporator preflexion larvae	0.03
Lower	Period 3	Menidia spp. flexion larvae	0.03
Lower	Period 3	hemipterans, corixid adults	0.03
Lower	Period 3	Anopsilana jonesi	0.03
Lower	Period 3	Menidia spp. postflexion larvae	0.03
Lower	Period 3	amphipods, caprellid	0.03
Lower	Period 3	coleopterans, elmid larvae	0.02
Lower	Period 3	Hirudinea	0.02
Lower	Period 3	Brevoortia spp. metamorphs	0.02
Lower	Period 3	lepidopterans, pyralid larvae	0.02
Lower	Period 3	collembolas, podurid	0.02
Lower	Period 3	Anchoa mitchilli eggs	0.02
Lower	Period 3	Gambusia holbrooki juveniles	0.02
Lower	Period 3	Mugil cephalus juveniles	0.02
Lower	Period 3	Trinectes maculatus juveniles	0.02
Lower	Period 3	medusa sp. d	0.02
Lower	Period 3	unidentified harpacticoids	0.01
Lower	Period 3	Gobiosoma strumosus postflexion larvae	0.01
Lower	Period 3	hemipterans, pleid adults	0.01
Lower	Period 3	Gobiosoma bosc juveniles	0.01
Lower	Period 3	Microgobius gulosus juveniles	0.01
Lower	Period 3	branchiurans, Argulus spp.	0.01
Lower	Period 3	Heterandria formosa juveniles	0.01
Lower	Period 3	Elops saurus postflexion larvae	0.01
Lower	Period 3	Harrieta faxoni	0.01
Lower	Period 3	Sinilobus stanfordi	0.01

Lower	Period 3	siphonostomatids	0.01
Lower	Period 3	Eurytemora affinis	0.01
Lower	Period 3	coleopterans, noterid adults	0.01
Lower	Period 3	Gobiosoma robustum juveniles	0.01
Lower	Period 3	Palaemonetes pugio adults	0.01
Lower	Period 3	Fundulus grandis postflexion larvae	0.01
Lower	Period 3	Eucyclops speratus	0.01
Downstream	Period 3	decapod zoeae	79.71
Downstream	Period 3	Acartia tonsa	11.54
Downstream	Period 3	Lucifer faxoni juveniles and adults	11.36
Downstream	Period 3	appendicularian, Oikopleura dioica	10.39
Downstream	Period 3	Gobiosoma spp. postflexion larvae	8.91
Downstream	Period 3	Lucifer faxoni mysis	4.80
Downstream	Period 3	Polychaeta	4.01
Downstream	Period 3	Americamysis almyra	3.35
Downstream	Period 3	gobiid preflexion larvae	3.06
Downstream	Period 3	decapod megalopae	3.01
Downstream	Period 3	fish eggs, percomorph	2.48
Downstream	Period 3	Anchoa mitchilli juveniles	2.43
Downstream	Period 3	amphipods, gammaridean	2.16
Downstream	Period 3	gobiid flexion larvae	1.86
Downstream	Period 3	oligochaetes	1.85
Downstream	Period 3	unidentified Americamysis juveniles	1.84
Downstream	Period 3	Anchoa mitchilli postflexion larvae	1.83
Downstream	Period 3	amphipods, caprellid	1.65
Downstream	Period 3	chaetognaths, sagittid	1.53
Downstream	Period 3	Anchoa spp. preflexion larvae	1.43
Downstream	Period 3	decapod mysis	1.30
Downstream	Period 3	cumaceans	1.05
Downstream	Period 3	Labidocera aestiva	0.91
Downstream	Period 3	Clytia sp.	0.87
Downstream	Period 3	Microgobius spp. flexion larvae	0.87
Downstream	Period 3	Mnemiopsis mccradyi	0.83
Downstream	Period 3	Evadne tergestina	0.64
Downstream	Period 3	Edotea triloba	0.62
Downstream	Period 3	Microgobius spp. postflexion larvae	0.47
Downstream	Period 3	Anchoa spp. flexion larvae	0.40
Downstream	Period 3	alphaeid postlarvae	0.36
Downstream	Period 3	Palaemonetes spp. postlarvae	0.31
Downstream	Period 3	Pseudodiaptomus coronatus	0.29
Downstream	Period 3	cymothoid sp. a (Lironeca) juveniles	0.28
Downstream	Period 3	Upogebia spp. postlarvae	0.28
Downstream	Period 3	shrimps, unidentified postlarvae	0.23
Downstream	Period 3	medusa sp. e	0.23
Downstream	Period 3	Monstrilla sp.	0.21
Downstream	Period 3	Gobiesox strumosus juveniles	0.19
Downstream	Period 3	Parasterope pollex	0.16
Downstream	Period 3	Centropages velificatus	0.13
Downstream	Period 3	Brevoortia spp. postflexion larvae	0.12
Downstream	Period 3	nematodes	0.11
Downstream	Period 3	scyphozoan ephyrae	0.11
Downstream	Period 3	Americamysis bahia	0.10
Downstream	Period 3	clupeid eggs	0.10
Downstream	Period 3	Penilia avirostris	0.10
Downstream	Period 3	Hippolyte zostericola postlarvae	0.10
Downstream	Period 3	Gobiesox strumosus preflexion larvae	0.09
Downstream	Period 3	Upogebia spp. juveniles	0.08

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Downstream	Period 3	blenniid preflexion larvae	0.08
Downstream	Period 3	Bairdiella chrysoura postflexion larvae	0.07
Downstream	Period 3	medusa, Eutima sp.	0.07
Downstream	Period 3	Hippolyte zostericola juveniles	0.07
Downstream	Period 3	Chrysaora quinquecirrha	0.07
Downstream	Period 3	Palaemon floridanus postlarvae	0.07
Downstream	Period 3	pelecypods	0.07
Downstream	Period 3	Gobiosoma bosc juveniles	0.07
Downstream	Period 3	Chasmodes saburrae postflexion larvae	0.07
Downstream	Period 3	dipterans, culicid larvae	0.07
Downstream	Period 3	Oithona spp.	0.06
Downstream	Period 3	Bathygobius soporator flexion larvae	0.06
Downstream	Period 3	cirriped nauplius stage	0.06
Downstream	Period 3	Gobiesox strumosus flexion larvae	0.06
Downstream	Period 3	Gobiesox strumosus postflexion larvae	0.06
Downstream	Period 3	gastropods, prosobranch	0.05
Downstream	Period 3	Ambidexter symmetricus juveniles	0.05
Downstream	Period 3	penaeid postlarvae	0.05
Downstream	Period 3	processid postlarvae	0.05
Downstream	Period 3	Pinnixa sayana juveniles	0.05
Downstream	Period 3	Aurelia aurita	0.05
Downstream	Period 3	Trinectes maculatus postflexion larvae	0.05
Downstream	Period 3	Limulus polyphemus larvae	0.05
Downstream	Period 3	Alpheus viridari juveniles	0.05
Downstream	Period 3	Farfantepenaeus duorarum juveniles	0.05
Downstream	Period 3	gastropods, opisthobranch	0.05
Downstream	Period 3	Callinassa sp. juveniles	0.05
Downstream	Period 3	Liriope tetraphylla	0.05
Downstream	Period 3	gerreid preflexion larvae	0.05
Downstream	Period 3	Chasmodes saburrae flexion larvae	0.05
Downstream	Period 3	Simocephalus vetulus	0.05
Downstream	Period 3	turbellarians	0.05
Downstream	Period 3	Trinectes maculatus preflexion larvae	0.05
Downstream	Period 3	Tozeuma carolinense juveniles	0.05
Downstream	Period 3	Chloroscombrus chrysurus postflexion larvae	0.04
Downstream	Period 3	Sphaeroma quadridentata	0.04
Downstream	Period 3	paguroid juveniles	0.04
Downstream	Period 3	Cynoscion nebulosus juveniles	0.04
Downstream	Period 3	processid juveniles	0.04
Downstream	Period 3	Mesocyclops edax	0.04
Downstream	Period 3	Cynoscion arenarius preflexion larvae	0.04
Downstream	Period 3	Tozeuma carolinense postlarvae	0.04
Downstream	Period 3	Petrolisthes armatus juveniles	0.04
Downstream	Period 3	Sarsiella zostericola	0.04
Downstream	Period 3	brachiopod, Glottidia pyramidata larvae	0.04
Downstream	Period 3	dipterans, chironomid larvae	0.04
Downstream	Period 3	paracalanids	0.04
Downstream	Period 3	Munna reynoldsi	0.04
Downstream	Period 3	Centropages hamatus	0.04
Downstream	Period 3	Bathygobius soporator preflexion larvae	0.04
Downstream	Period 3	dipteran, Chaoborus punctipennis larvae	0.04
Downstream	Period 3	unidentified harpacticoids	0.04
Downstream	Period 3	Brevoortia spp. metamorphs	0.04
Downstream	Period 3	Anchoa mitchilli adults	0.04
Downstream	Period 3	Palaemonetes pugio adults	0.04
Downstream	Period 3	hemipterans, corixid adults	0.04
Downstream	Period 3	dipterans, muscid larvae	0.04

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Downstream	Period 3	Syngnathus scovelli juveniles	0.04
Downstream	Period 3	Spelaemopsis sp.	0.04
Downstream	Period 3	Bairdiella chrysoura preflexion larvae	0.04
Downstream	Period 3	Temora turbinata	0.04
Downstream	Period 3	Palaemonetes pugio juveniles	0.04
Downstream	Period 3	paguroid megalops larvae	0.04
Downstream	Period 3	Trinectes maculatus juveniles	0.04
Downstream	Period 3	Hargeria rapax	0.04
Downstream	Period 3	siphonostomatids	0.03
Downstream	Period 3	Anopsilana jonesi	0.03
Downstream	Period 3	Bairdiella chrysoura flexion larvae	0.03
Downstream	Period 3	medusa sp. b	0.03
Downstream	Period 3	dipterans, pupae	0.03
Downstream	Period 3	Squilla empusa larvae	0.03
Downstream	Period 3	Chloroscombrus chrysurus preflexion larvae	0.03
Downstream	Period 3	Syngnathus louisianae juveniles	0.03
Downstream	Period 3	Anchoa mitchilli eggs	0.03
Downstream	Period 3	Rhithropanopeus harrisii juveniles	0.03
Downstream	Period 3	Leptochela serratorbita juveniles	0.03
Downstream	Period 3	Probopyrus sp. (attached)	0.03
Downstream	Period 3	cladocerans, Daphnia spp.	0.03
Downstream	Period 3	medusa sp. d	0.03
Downstream	Period 3	Bathygobius soporator postflexion larvae	0.03
Downstream	Period 3	Eugerres plumieri postflexion larvae	0.03
Downstream	Period 3	Cynoscion arenarius postflexion larvae	0.03
Downstream	Period 3	Cynoscion arenarius flexion larvae	0.03
Downstream	Period 3	ostracods, podocopid	0.03
Downstream	Period 3	Elops saurus postflexion larvae	0.03
Downstream	Period 3	Mugil cephalus juveniles	0.03
Downstream	Period 3	Harrieta faxoni	0.03
Downstream	Period 3	Lucania parva postflexion larvae	0.03
Downstream	Period 3	Temora longicornis	0.03
Downstream	Period 3	Lolliguncula brevis juveniles	0.03
Downstream	Period 3	Sinelobus stanfordi	0.03
Downstream	Period 3	myodocopod sp. a	0.03
Downstream	Period 3	Sphaeroma terebrans	0.02
Downstream	Period 3	Menidia spp. postflexion larvae	0.02
Downstream	Period 3	Eucyclops speratus	0.02
Downstream	Period 3	Cassidinidea ovalis	0.02
Downstream	Period 3	Lagodon rhomboides juveniles	0.02
Downstream	Period 3	Menidia spp. preflexion larvae	0.02
Downstream	Period 3	Menticirrhus spp. preflexion larvae	0.02
Downstream	Period 3	Opsanus beta juveniles	0.02
Downstream	Period 3	branchiurans, Argulus spp.	0.02
Downstream	Period 3	Cyclops sp.	0.02
Downstream	Period 3	Erichsonella attenuata	0.02
Downstream	Period 3	unidentified freshwater cyclopoids	0.02
Downstream	Period 3	collembolas, podurid	0.02
Downstream	Period 3	Americamysis stucki	0.02
Downstream	Period 3	lepidopterans, pyralid larvae	0.02
Downstream	Period 3	pyncogonids	0.02
Downstream	Period 3	Calanopia americana	0.02
Downstream	Period 3	Brevoortia smithi juveniles	0.02
Downstream	Period 3	foraminiferans	0.02
Downstream	Period 3	Hirudinea	0.02
Downstream	Period 3	medusa, sp. g (like Rhopalonema wt/ top knob)	0.02
Downstream	Period 3	Anchoa hepsetus postflexion larvae	0.02

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Downstream	Period 3	Menidia spp. flexion larvae	0.02
Downstream	Period 3	Eucalanus sp.	0.02
Downstream	Period 3	Alteutha sp.	0.01
Downstream	Period 3	Macrocyclus albidus	0.01
Downstream	Period 3	Diaptomus sp.	0.01
Downstream	Period 3	Gambusia holbrooki juveniles	0.01
Downstream	Period 3	Gobiosoma robustum juveniles	0.01
Downstream	Period 3	dipterans, tabanid larvae	0.01
Downstream	Period 3	Cynoscion arenarius juveniles	0.01
Downstream	Period 3	hemipterans, belostomatid adults	0.01
Downstream	Period 3	trichopteran larvae	0.01
Downstream	Period 3	Albula vulpes postflexion larvae	0.01
Downstream	Period 3	Fundulus grandis postflexion larvae	0.01
Downstream	Period 3	Saphirella spp.	0.01
Downstream	Period 3	cirriped cypris stage	0.01
Downstream	Period 3	Hippolyte zostericola adults	0.01
Downstream	Period 3	Labidesthes sicculus preflexion larvae	0.01
Downstream	Period 3	isopod sp. a	0.01
Downstream	Period 3	Oligoplites saurus juveniles	0.01
Downstream	Period 3	Fundulus spp. postflexion larvae	0.01
Downstream	Period 3	Lepomis macrochirus juveniles	0.01
Downstream	Period 3	Lucania goodei postflexion larvae	0.01
Downstream	Period 3	Ogyrides alphaerostris juveniles and adults	0.01
Downstream	Period 3	Menticirrhus spp. postflexion larvae	0.01
Downstream	Period 3	Symphurus plagiura juveniles	0.01
Downstream	Period 3	Lupinoblennius nicholsi flexion larvae	0.01
Downstream	Period 3	Trinectes maculatus flexion larvae	0.01
Downstream	Period 3	Trinectes maculatus adults	0.01
Downstream	Period 3	Lupinoblennius nicholsi postflexion larvae	0.01
Downstream	Period 3	Labidesthes sicculus juveniles	0.01
Middle	Period 4	decapod zoeae	116.81
Middle	Period 4	amphipods, gammaridean	3.46
Middle	Period 4	Ergasilus sp.	1.03
Middle	Period 4	cymothoid sp. a (Lironeca) juveniles	0.75
Middle	Period 4	Anchoa mitchilli juveniles	0.40
Middle	Period 4	Polychaeta	0.38
Middle	Period 4	unidentified Americamysis juveniles	0.14
Middle	Period 4	Pseudodiaptomus coronatus	0.12
Middle	Period 4	Mesocyclops edax	0.11
Middle	Period 4	decapod megalopae	0.11
Middle	Period 4	Americamysis almyra	0.11
Middle	Period 4	Clytia sp.	0.09
Middle	Period 4	Acartia tonsa	0.09
Middle	Period 4	gobiid preflexion larvae	0.08
Middle	Period 4	pelecypods	0.05
Middle	Period 4	gastropods, prosobranch	0.05
Middle	Period 4	unidentified freshwater cyclopoids	0.05
Middle	Period 4	Gobiosoma spp. postflexion larvae	0.04
Middle	Period 4	Cassidinidea ovalis	0.04
Middle	Period 4	Menidia spp. preflexion larvae	0.03
Middle	Period 4	decapod mysis	0.03
Middle	Period 4	Edotea triloba	0.03
Middle	Period 4	dipterans, chironomid larvae	0.03
Middle	Period 4	Chrysaora quinquecirrha	0.03
Middle	Period 4	Gobiesox strumosus preflexion larvae	0.03
Middle	Period 4	Anopsilana jonesi	0.02
Middle	Period 4	Menidia spp. juveniles	0.02

Middle	Period 4	Trinectes maculatus postflexion larvae	0.02
Middle	Period 4	Gambusia holbrooki juveniles	0.01
Middle	Period 4	Sphaeroma terebrans	0.01
Middle	Period 4	Lepomis macrochirus juveniles	0.01
Middle	Period 4	Micropterus salmoides juveniles	0.01
Middle	Period 4	Lucania parva juveniles	0.01
Middle	Period 4	trichopteran larvae	0.01
Middle	Period 4	Diaptomus sp.	0.01
Middle	Period 4	collembolas, podurid	0.01
Middle	Period 4	lepidopterans, pyralid larvae	0.01
Middle	Period 4	coleopterans, elmid larvae	0.01
Lower	Period 4	decapod zoeae	279.58
Lower	Period 4	Ergasilus sp.	13.25
Lower	Period 4	Anchoa mitchilli juveniles	1.25
Lower	Period 4	unidentified Americamysis juveniles	1.14
Lower	Period 4	Polychaeta	1.12
Lower	Period 4	Americamysis almyra	1.05
Lower	Period 4	cymothoid sp. a (Lironeca) juveniles	0.81
Lower	Period 4	amphipods, gammaridean	0.76
Lower	Period 4	decapod megalopae	0.57
Lower	Period 4	pelecypods	0.48
Lower	Period 4	Gobiesox strumosus preflexion larvae	0.19
Lower	Period 4	Acartia tonsa	0.11
Lower	Period 4	amphipods, caprellid	0.11
Lower	Period 4	gobiid preflexion larvae	0.10
Lower	Period 4	Gobiesox strumosus flexion larvae	0.10
Lower	Period 4	Microgobius spp. flexion larvae	0.09
Lower	Period 4	processid postlarvae	0.09
Lower	Period 4	gastropods, prosobranch	0.08
Lower	Period 4	Menidia spp. preflexion larvae	0.07
Lower	Period 4	Edotea triloba	0.07
Lower	Period 4	decapod mysis	0.06
Lower	Period 4	nematodes	0.05
Lower	Period 4	Pseudodiaptomus coronatus	0.05
Lower	Period 4	gobiid flexion larvae	0.04
Lower	Period 4	Gobiosoma spp. postflexion larvae	0.04
Lower	Period 4	Palaemonetes spp. postlarvae	0.04
Lower	Period 4	Cassidinidea ovalis	0.04
Lower	Period 4	Chrysaora quinquecirrha	0.04
Lower	Period 4	cumaceans	0.04
Lower	Period 4	dipterans, chironomid larvae	0.03
Lower	Period 4	Elops saurus postflexion larvae	0.03
Lower	Period 4	Hippolyte zostericola postlarvae	0.03
Lower	Period 4	Munna reynoldsi	0.03
Lower	Period 4	ephemeropteran larvae	0.03
Lower	Period 4	Hirudinea	0.02
Lower	Period 4	Trinectes maculatus postflexion larvae	0.02
Lower	Period 4	Trinectes maculatus juveniles	0.02
Lower	Period 4	Mesocyclops edax	0.02
Lower	Period 4	Brevoortia spp. postflexion larvae	0.01
Lower	Period 4	Clytia sp.	0.01
Lower	Period 4	Menidia spp. flexion larvae	0.01
Lower	Period 4	Taphromysis bowmani	0.01
Lower	Period 4	Tortanus setacaudatus	0.01
Lower	Period 4	siphonostomatids	0.01
Lower	Period 4	unidentified freshwater cyclopoids	0.01
Lower	Period 4	Palaemonetes pugio juveniles	0.01

Lower	Period 4	hemipterans, belostomatid adults	0.01
Lower	Period 4	Rhithropanopeus harrisii juveniles	0.01
Lower	Period 4	collembolas, podurid	0.01
Lower	Period 4	Diaptomus sp.	0.01
Lower	Period 4	Menidia spp. postflexion larvae	0.01
Lower	Period 4	Menidia spp. juveniles	0.01
Lower	Period 4	branchiurans, Argulus spp.	0.01
Downstream	Period 4	decapod zoeae	135.86
Downstream	Period 4	Acartia tonsa	93.99
Downstream	Period 4	appendicularian, Oikopleura dioica	61.46
Downstream	Period 4	fish eggs, percomorph	38.32
Downstream	Period 4	Penilia avirostris	8.26
Downstream	Period 4	Labidocera aestiva	7.36
Downstream	Period 4	Lucifer faxoni juveniles and adults	7.31
Downstream	Period 4	cumaceans	3.86
Downstream	Period 4	decapod mysis	3.83
Downstream	Period 4	chaetognaths, sagittid	2.28
Downstream	Period 4	amphipods, caprellid	1.90
Downstream	Period 4	Americamysis almyra	1.86
Downstream	Period 4	unidentified freshwater cyclopoids	1.81
Downstream	Period 4	Edotea triloba	1.70
Downstream	Period 4	Gobiosoma spp. postflexion larvae	1.51
Downstream	Period 4	Evadne tergestina	1.50
Downstream	Period 4	unidentified Americamysis juveniles	1.31
Downstream	Period 4	cirriped nauplius stage	1.18
Downstream	Period 4	Ergasilus sp.	0.82
Downstream	Period 4	Oithona spp.	0.78
Downstream	Period 4	Polychaeta	0.76
Downstream	Period 4	gobiid preflexion larvae	0.73
Downstream	Period 4	Anchoa spp. preflexion larvae	0.73
Downstream	Period 4	amphipods, gammaridean	0.67
Downstream	Period 4	Upogebia spp. postlarvae	0.62
Downstream	Period 4	decapod megalopae	0.52
Downstream	Period 4	Pseudodiaptomus coronatus	0.51
Downstream	Period 4	Mnemiopsis mccradyi	0.47
Downstream	Period 4	cymothoid sp. a (Lironeca) juveniles	0.45
Downstream	Period 4	Microgobius spp. postflexion larvae	0.41
Downstream	Period 4	brachiopod, Glottidia pyramidata larvae	0.40
Downstream	Period 4	alphaeid postlarvae	0.36
Downstream	Period 4	Hippolyte zostericola juveniles	0.29
Downstream	Period 4	Lucifer faxoni mysis	0.28
Downstream	Period 4	dipterans, culicid larvae	0.26
Downstream	Period 4	gobiid flexion larvae	0.26
Downstream	Period 4	Anchoa mitchilli postflexion larvae	0.22
Downstream	Period 4	Anchoa spp. flexion larvae	0.20
Downstream	Period 4	Anchoa mitchilli juveniles	0.20
Downstream	Period 4	Americamysis bahia	0.19
Downstream	Period 4	Callianassa sp. juveniles	0.17
Downstream	Period 4	Hippolyte zostericola postlarvae	0.16
Downstream	Period 4	Palaemonetes spp. postlarvae	0.16
Downstream	Period 4	processid postlarvae	0.14
Downstream	Period 4	dipterans, pupae	0.14
Downstream	Period 4	Temora turbinata	0.14
Downstream	Period 4	Monstrilla sp.	0.13
Downstream	Period 4	Trinectes maculatus postflexion larvae	0.13
Downstream	Period 4	Anchoa mitchilli eggs	0.13
Downstream	Period 4	Ogyrides alphaerostris postlarvae	0.11

Downstream	Period 4	paracalanids	0.11
Downstream	Period 4	medusa, sp. g (like Rhopalonema wt/ top knob)	0.10
Downstream	Period 4	Trinectes maculatus preflexion larvae	0.10
Downstream	Period 4	blenniid preflexion larvae	0.08
Downstream	Period 4	cirriped cypris stage	0.08
Downstream	Period 4	Cynoscion arenarius preflexion larvae	0.08
Downstream	Period 4	Gobiesox strumosus postflexion larvae	0.08
Downstream	Period 4	Labidesthes sicculus postflexion larvae	0.08
Downstream	Period 4	Achirus lineatus preflexion larvae	0.08
Downstream	Period 4	dipterans, chironomid larvae	0.07
Downstream	Period 4	pelecypods	0.07
Downstream	Period 4	Upogebia spp. juveniles	0.06
Downstream	Period 4	Palaemon floridanus postlarvae	0.06
Downstream	Period 4	Palaemonetes pugio juveniles	0.06
Downstream	Period 4	Trinectes maculatus flexion larvae	0.06
Downstream	Period 4	Parasterope pollex	0.06
Downstream	Period 4	gastropods, prosobranch	0.06
Downstream	Period 4	Chaetodipterus faber postflexion larvae	0.06
Downstream	Period 4	pycnogonids	0.06
Downstream	Period 4	Bairdiella chrysoura preflexion larvae	0.06
Downstream	Period 4	Opisthonema oglinum postflexion larvae	0.06
Downstream	Period 4	Tozeuma carolinense postlarvae	0.06
Downstream	Period 4	Cynoscion nebulosus postflexion larvae	0.06
Downstream	Period 4	clupeid eggs	0.06
Downstream	Period 4	Eugerres plumieri postflexion larvae	0.06
Downstream	Period 4	Gobiesox strumosus preflexion larvae	0.06
Downstream	Period 4	siphonostomatids	0.05
Downstream	Period 4	penaeid postlarvae	0.05
Downstream	Period 4	Alpheus estuariensis juveniles	0.05
Downstream	Period 4	Anopsilana jonesi	0.05
Downstream	Period 4	unidentified harpacticoids	0.05
Downstream	Period 4	Alteutha sp.	0.05
Downstream	Period 4	Pagurus longicarpus juveniles	0.05
Downstream	Period 4	Ambidexter symmetricus juveniles	0.05
Downstream	Period 4	Cynoscion arenarius postflexion larvae	0.05
Downstream	Period 4	Sinelobus stanfordi	0.05
Downstream	Period 4	Brevoortia spp. postflexion larvae	0.05
Downstream	Period 4	Bathygobius soporator postflexion larvae	0.05
Downstream	Period 4	Bathygobius soporator preflexion larvae	0.05
Downstream	Period 4	Mysidopsis furca	0.04
Downstream	Period 4	Petrolisthes armatus juveniles	0.04
Downstream	Period 4	Cassidinidea ovalis	0.04
Downstream	Period 4	Bairdiella chrysoura flexion larvae	0.04
Downstream	Period 4	Microgobius spp. flexion larvae	0.04
Downstream	Period 4	medusa sp. d	0.04
Downstream	Period 4	Cynoscion nebulosus preflexion larvae	0.04
Downstream	Period 4	Lupinoblennius nicholsi flexion larvae	0.04
Downstream	Period 4	lepidopterans, pyralid larvae	0.04
Downstream	Period 4	Menidia spp. juveniles	0.04
Downstream	Period 4	Syngnathus scovelli juveniles	0.04
Downstream	Period 4	Cynoscion arenarius flexion larvae	0.04
Downstream	Period 4	medusa, Eutima sp.	0.03
Downstream	Period 4	Menidia spp. preflexion larvae	0.03
Downstream	Period 4	Hirudinea	0.03
Downstream	Period 4	Tortanus setacaudatus	0.03
Downstream	Period 4	Clytia sp.	0.03
Downstream	Period 4	ephemeropteran larvae	0.03

Downstream	Period 4	Anchoa mitchilli adults	0.03
Downstream	Period 4	Trinectes maculatus juveniles	0.03
Downstream	Period 4	Chasmodes saburrae flexion larvae	0.03
Downstream	Period 4	gastropods, opisthobranch	0.03
Downstream	Period 4	Bathygobius soporator flexion larvae	0.03
Downstream	Period 4	Microgobius gulosus juveniles	0.03
Downstream	Period 4	medusa sp. b	0.03
Downstream	Period 4	Menidia spp. flexion larvae	0.03
Downstream	Period 4	Taphromysis bowmani	0.03
Downstream	Period 4	Gobiesox strumosus flexion larvae	0.03
Downstream	Period 4	hemipterans, corixid juveniles	0.02
Downstream	Period 4	Menticirrhus spp. preflexion larvae	0.02
Downstream	Period 4	Lepisosteus sp. postflexion larvae	0.02
Downstream	Period 4	Mugil cephalus juveniles	0.02
Downstream	Period 4	Elops saurus postflexion larvae	0.02
Downstream	Period 4	Bairdiella chrysoura postflexion larvae	0.01
Downstream	Period 4	Rhithropanopeus harrisii juveniles	0.01
Downstream	Period 4	Loliguncula brevis juveniles	0.01
Downstream	Period 4	Anchoa hepsetus juveniles	0.01
Downstream	Period 4	Hargeria rapax	0.01
Downstream	Period 4	Cynoscion arenarius juveniles	0.01
Downstream	Period 4	Menidia spp. postflexion larvae	0.01
Downstream	Period 4	Brevoortia spp. metamorphs	0.01
Downstream	Period 4	Syngnathus louisianae juveniles	0.01
Downstream	Period 4	Lepomis macrochirus juveniles	0.01
Downstream	Period 4	branchiurans, Argulus spp.	0.01
Downstream	Period 4	Archosargus probatocephalus postflexion larvae	0.01
Downstream	Period 4	Mugil cephalus postflexion larvae	0.01
Downstream	Period 4	Bowmaniella dissimilis	0.01
Downstream	Period 4	Sphaeroma terebrans	0.01
Upper	Period 5	decapod zoeae	378.47
Upper	Period 5	Cassidinidea ovalis	4.21
Upper	Period 5	decapod megalopae	2.33
Upper	Period 5	dipterans, chironomid larvae	1.31
Upper	Period 5	Americamysis almyra	1.20
Upper	Period 5	Mesocyclops edax	0.35
Upper	Period 5	amphipods, gammaridean	0.32
Upper	Period 5	gastropods, prosobranch	0.26
Upper	Period 5	trichopteran larvae	0.22
Upper	Period 5	appendicularian, Oikopleura dioica	0.22
Upper	Period 5	decapod mysis	0.22
Upper	Period 5	mysid free embryos	0.21
Upper	Period 5	ostracods, podocopid	0.21
Upper	Period 5	dipterans, pupae	0.15
Upper	Period 5	Sphaeroma terebrans	0.13
Upper	Period 5	unidentified Americamysis juveniles	0.11
Upper	Period 5	hemipterans, gerrid adults	0.11
Upper	Period 5	Anopsilana jonesi	0.11
Upper	Period 5	Trinectes maculatus postflexion larvae	0.09
Upper	Period 5	Gobiosoma spp. postflexion larvae	0.09
Upper	Period 5	xanthid juveniles	0.09
Upper	Period 5	ephemeropteran larvae	0.06
Upper	Period 5	gobiid preflexion larvae	0.05
Upper	Period 5	pelecypods	0.05
Upper	Period 5	Lepomis macrochirus preflexion larvae	0.04
Upper	Period 5	Gobiosoma bosc juveniles	0.04
Upper	Period 5	coleopterans, dytiscid adults	0.04

Upper	Period 5	Acari	0.03
Upper	Period 5	Ilyocryptus sp.	0.03
Upper	Period 5	dipterans, stratiomyid larvae	0.03
Upper	Period 5	odonates, zygoteran larvae	0.03
Upper	Period 5	Gambusia holbrooki juveniles	0.03
Upper	Period 5	Simocephalus vetulus	0.03
Upper	Period 5	dipteran, Chaoborus punctipennis larvae	0.03
Upper	Period 5	branchiurans, Argulus spp.	0.03
Upper	Period 5	coleopterans, curculionid adults	0.03
Upper	Period 5	lepidopterans, pyralid larvae	0.03
Upper	Period 5	gobiid flexion larvae	0.03
Upper	Period 5	oligochaetes	0.03
Middle	Period 5	decapod zoeae	77981.77
Middle	Period 5	Gobiosoma spp. postflexion larvae	3317.87
Middle	Period 5	amphipods, gammaridean	981.87
Middle	Period 5	gobiid preflexion larvae	518.86
Middle	Period 5	gobiid flexion larvae	476.36
Middle	Period 5	Americamysis almyra	461.77
Middle	Period 5	Polychaeta	390.02
Middle	Period 5	Craspedacusta sowerbii	271.91
Middle	Period 5	decapod mysis	193.34
Middle	Period 5	cumaceans	170.38
Middle	Period 5	Brevoortia spp. metamorphs	170.08
Middle	Period 5	unidentified Americamysis juveniles	162.04
Middle	Period 5	dipterans, chironomid larvae	140.01
Middle	Period 5	Clytia sp.	118.01
Middle	Period 5	Menidia spp. preflexion larvae	96.69
Middle	Period 5	cirriped nauplius stage	82.50
Middle	Period 5	Mesocyclops edax	72.81
Middle	Period 5	cymothoid sp. a (Livoneca) juveniles	69.67
Middle	Period 5	Microgobius spp. postflexion larvae	55.00
Middle	Period 5	Palaemonetes spp. postlarvae	54.12
Middle	Period 5	dipterans, pupae	53.85
Middle	Period 5	Anchoa mitchilli postflexion larvae	53.83
Middle	Period 5	Menidia spp. flexion larvae	49.51
Middle	Period 5	ephemeropteran larvae	49.51
Middle	Period 5	Sphaeroma terebrans	30.23
Middle	Period 5	Anchoa mitchilli juveniles	27.21
Middle	Period 5	Elops saurus postflexion larvae	24.75
Middle	Period 5	Hirudinea	24.75
Middle	Period 5	collembolas, podurid	24.75
Middle	Period 5	Cassidinidea ovalis	24.44
Middle	Period 5	Menidia spp. juveniles	24.17
Middle	Period 5	Metamysidopsis swifti	24.17
Middle	Period 5	dipteran, Chaoborus punctipennis larvae	24.17
Middle	Period 5	decapod megalopae	18.01
Middle	Period 5	ostracods, podocopid	15.06
Middle	Period 5	pelecypods	8.30
Middle	Period 5	gastropods, prosobranch	4.21
Middle	Period 5	Palaemonetes pugio adults	0.07
Middle	Period 5	Trinectes maculatus postflexion larvae	0.06
Middle	Period 5	cymothoid sp. a (Livoneca)	0.06
Middle	Period 5	Bathygobius soporator postflexion larvae	0.06
Middle	Period 5	Edotea triloba	0.05
Middle	Period 5	Gobiosoma robustum juveniles	0.04
Middle	Period 5	hemipterans, corixid adults	0.03
Middle	Period 5	hemipterans, corixid juveniles	0.03

Middle	Period 5	Cirolana jonesi	0.03
Middle	Period 5	Microgobius gulosus juveniles	0.03
Middle	Period 5	Heteromysis sp.	0.03
Middle	Period 5	Uromunna reynoldsi	0.03
Middle	Period 5	hemipterans, gerrid adults	0.03
Middle	Period 5	Sinelobus stanfordi	0.02
Middle	Period 5	nematodes	0.02
Middle	Period 5	oligochaetes	0.02
Lower	Period 5	decapod zoeae	334981.18
Lower	Period 5	Craspedacusta sowerbii	7849.80
Lower	Period 5	Americamysis almyra	3588.09
Lower	Period 5	Clytia sp.	2866.94
Lower	Period 5	Acartia tonsa	1115.08
Lower	Period 5	unidentified Americamysis juveniles	756.46
Lower	Period 5	Polychaeta	659.52
Lower	Period 5	unidentified harpacticoids	523.53
Lower	Period 5	Gobiosoma spp. postflexion larvae	403.83
Lower	Period 5	amphipods, gammaridean	394.84
Lower	Period 5	gobiid preflexion larvae	316.42
Lower	Period 5	Palaemonetes spp. postlarvae	282.80
Lower	Period 5	gobiid flexion larvae	258.77
Lower	Period 5	decapod mysis	227.95
Lower	Period 5	dipterans, chironomid larvae	219.63
Lower	Period 5	cymothoid sp. a (Livoneca) juveniles	178.03
Lower	Period 5	Microgobius spp. postflexion larvae	85.79
Lower	Period 5	Chrysaora quinquecirrha	80.54
Lower	Period 5	Brevoortia spp. metamorphs	65.59
Lower	Period 5	Menidia spp. preflexion larvae	64.74
Lower	Period 5	Trinectes maculatus postflexion larvae	58.78
Lower	Period 5	Elops saurus postflexion larvae	52.98
Lower	Period 5	Bathygobius soporator postflexion larvae	45.65
Lower	Period 5	Anchoa mitchilli eggs	40.27
Lower	Period 5	Gobiosoma bosc juveniles	38.68
Lower	Period 5	cumaceans	31.97
Lower	Period 5	Menidia spp. flexion larvae	26.07
Lower	Period 5	Anchoa mitchilli juveniles	25.22
Lower	Period 5	Anchoa mitchilli postflexion larvae	25.22
Lower	Period 5	Mesocyclops edax	25.22
Lower	Period 5	Hirudinea	12.62
Lower	Period 5	Sphaeroma terebrans	10.54
Lower	Period 5	Edotea triloba	9.72
Lower	Period 5	decapod megalopae	5.99
Lower	Period 5	Cassidinidea ovalis	5.07
Lower	Period 5	ostracods, podocopid	4.71
Lower	Period 5	gastropods, prosobranch	0.37
Lower	Period 5	Liriope tetraphylla	0.19
Lower	Period 5	nematodes	0.18
Lower	Period 5	Uromunna reynoldsi	0.05
Lower	Period 5	Lucifer faxoni juveniles and adults	0.05
Lower	Period 5	pelecypods	0.04
Lower	Period 5	Bougainvillia sp.	0.03
Lower	Period 5	branchiurans, Argulus spp.	0.03
Lower	Period 5	Rhithropanopeus harrisi juveniles	0.03
Lower	Period 5	Taphromysis bowmani	0.03
Lower	Period 5	Aurelia aurita	0.03
Lower	Period 5	cymothoid sp. a (Livoneca)	0.03
Lower	Period 5	odonates, zygoteran larvae	0.03

Lower	Period 5	Anchoa spp. preflexion larvae	0.02
Lower	Period 5	Cyclops sp.	0.02
Lower	Period 5	Munna reynoldsi	0.02
Lower	Period 5	Trinectes maculatus flexion larvae	0.02
Lower	Period 5	coleopterans, curculionid adults	0.02
Lower	Period 5	Syngnathus scovelli juveniles	0.00

3.2.1.4 Overall Taxon Density with columns of MFL period and river segment density

Final Taxa	Avg Density	Period 1 Middle	Period 1 Lower	Period 1 Downstream	Period 2 Middle	Period 2 Lower	Period 2 Downstream	Period 3 Middle	Period 3 Lower	Period 3 Downstream	Period 4 Middle	Period 4 Lower	Period 4 Downstream	Period 5 Upper	Period 5 Middle	Period 5 Lower
decapod zoeae	4864.64	88.02	104.34	97.53	67.52	127.21	142.55	57.74	64.11	79.71	116.81	279.58	135.86	378.47	77981.77	334981.18
Craspedacusta sowerbii	1353.73	0.28	0.28	0.05	0.04	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	271.91	7849.80
cymothoid sp. a (Livoneca) juveniles	119.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	69.67	178.03
Clytia sp.	92.06	32.43	86.62	88.39	35.05	39.07	31.57	5.39	2.74	0.87	0.09	0.01	0.03	0.00	118.01	2866.94
Americamysis almyra	90.00	14.22	6.85	10.67	6.38	25.75	21.25	0.75	2.27	3.35	0.11	1.05	1.86	1.20	461.77	3588.09
Gobiosoma spp. postflexion larvae	77.57	19.40	9.50	2.18	0.50	4.58	7.11	0.53	0.64	8.91	0.04	0.04	1.51	0.09	3317.87	403.83
Acartia tonsa	34.75	0.78	1.67	7.35	9.31	46.63	38.72	0.33	9.56	11.54	0.09	0.11	93.99	0.00	0.00	1115.08
unidentified calanoids	24.50	0.00	0.00	24.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Metamysidopsis swifti	24.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.17	0.00
amphipods, gammaridean	23.70	0.04	0.04	7.85	1.02	1.82	5.81	1.33	1.39	2.16	3.46	0.76	0.67	0.32	981.87	394.84
dipterans, chironomid larvae	22.73	0.02	0.02	0.09	0.09	0.05	0.03	0.05	0.05	0.04	0.03	0.03	0.07	1.31	140.01	219.63
appendicularian, Oikopleura dioica	19.34	0.00	0.00	0.06	0.00	0.01	1.92	0.00	0.00	10.39	0.00	0.00	61.46	0.22	0.00	0.00
Polychaeta	17.47	0.91	0.16	0.14	2.64	1.27	1.56	0.25	3.26	4.01	0.38	1.12	0.76	0.00	390.02	659.52
unidentified Americamysis juveniles	15.47	0.48	0.18	2.53	3.61	8.20	6.90	0.26	2.39	1.84	0.14	1.14	1.31	0.11	162.04	756.46
fish eggs, percomorph	13.30	0.00	0.00	0.22	0.00	0.02	10.47	0.00	0.00	2.48	0.00	0.00	38.32	0.00	0.00	0.00
unidentified harpacticoids	11.73	0.02	0.00	0.04	0.01	0.02	0.19	0.01	0.01	0.04	0.00	0.00	0.05	0.00	0.00	523.53
Bathygobius soporator postflexion larvae	10.46	1.07	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.03	0.00	0.00	0.05	0.00	0.06	45.65
gobiid preflexion larvae	10.07	0.34	0.13	1.01	0.06	0.07	2.39	0.06	1.17	3.06	0.08	0.10	0.73	0.05	518.86	316.42
gobiid flexion larvae	9.67	2.91	0.50	0.60	0.26	0.25	1.25	0.03	0.16	1.86	0.00	0.04	0.26	0.03	476.36	258.77
Mesocyclops edax	8.63	0.05	0.00	0.04	0.03	0.01	0.00	0.00	0.04	0.04	0.11	0.02	0.00	0.35	72.81	25.22
decapod mysis	7.80	4.73	1.19	2.70	2.18	0.95	3.92	0.12	0.47	1.30	0.03	0.06	3.83	0.22	193.34	227.95
Liriope tetraphylla	6.64	0.00	0.00	0.02	0.00	0.03	8.54	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.19
Brevoortia spp. metamorphs	5.73	0.94	1.25	0.67	0.01	0.01	0.02	0.02	0.02	0.04	0.00	0.00	0.01	0.00	170.08	65.59
Menidia spp. flexion larvae	5.39	0.03	0.01	0.00	0.07	0.07	0.01	0.00	0.03	0.02	0.00	0.01	0.03	0.00	49.51	26.07
Lucifer faxoni juveniles and adults	5.24	0.00	0.00	0.52	0.03	0.00	1.27	0.02	0.19	11.36	0.00	0.00	7.31	0.00	0.00	0.05
ephemeropteran larvae	4.98	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.06	49.51	0.00
Penilia avirostris	4.89	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.10	0.00	0.00	8.26	0.00	0.00	0.00
decapod megalopae	4.45	6.50	2.10	6.26	2.11	4.99	6.32	0.10	0.24	3.01	0.11	0.57	0.52	2.33	18.01	5.99
Palaemonetes spp. postlarvae	4.21	1.15	0.08	0.70	0.21	0.45	0.58	0.14	0.51	0.31	0.00	0.04	0.16	0.00	54.12	282.80
Sphaeroma terebrans	3.73	0.03	0.02	0.00	0.04	0.02	0.02	0.02	0.00	0.02	0.01	0.00	0.01	0.13	30.23	10.54
chaetognaths, sagittid	3.31	0.56	2.40	3.14	0.99	0.09	5.63	0.00	0.06	1.53	0.00	0.00	2.28	0.00	0.00	0.00
Labidocera aestiva	3.14	0.00	0.00	2.25	0.00	0.00	3.81	0.01	0.00	0.91	0.00	0.00	7.36	0.00	0.00	0.00
Gobiosoma bosc juveniles	2.84	0.03	0.13	0.19	0.00	0.01	0.06	0.00	0.01	0.07	0.00	0.00	0.00	0.04	0.00	38.68

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Lucifer faxoni mysis	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.80	0.00	0.00	0.28	0.00	0.00	0.00
Ergasilus sp.	2.45	1.21	0.00	0.08	0.03	0.21	0.07	0.05	0.04	0.00	1.03	13.25	0.82	0.00	0.00	0.00
cumaceans	2.45	0.01	0.02	1.63	0.04	0.02	0.85	0.02	0.07	1.05	0.00	0.04	3.86	0.00	170.38	31.97
Evadne tergestina	2.42	0.00	0.00	0.47	0.00	0.00	4.16	0.00	0.00	0.64	0.00	0.00	1.50	0.00	0.00	0.00
Menidia spp. preflexion larvae	2.37	0.03	0.02	0.01	0.08	0.05	0.03	0.04	0.03	0.02	0.03	0.07	0.03	0.00	96.69	64.74
Microgobius spp. postflexion larvae	2.32	2.05	1.57	0.46	0.39	0.53	0.30	0.03	0.42	0.47	0.00	0.00	0.41	0.00	55.00	85.79
Chrysaora quinquecirrha	2.24	0.00	0.00	0.08	0.02	0.03	0.07	0.00	0.00	0.07	0.03	0.04	0.00	0.00	0.00	80.54
Elops saurus postflexion larvae	2.20	0.05	0.03	0.02	0.00	0.01	0.01	0.01	0.01	0.03	0.00	0.03	0.02	0.00	24.75	52.98
Mnemiopsis mccradyi	2.01	0.00	0.00	6.80	0.00	0.03	0.63	0.00	0.03	0.83	0.00	0.00	0.47	0.00	0.00	0.00
cirriped nauplius stage	1.97	0.04	0.23	0.27	0.03	0.00	0.11	0.00	0.00	0.06	0.00	0.00	1.18	0.00	82.50	0.00
Anchoa mitchilli juveniles	1.85	1.27	3.26	2.69	0.11	1.65	1.19	0.15	0.42	2.43	0.40	1.25	0.20	0.00	27.21	25.22
dipterans, pupae	1.69	0.00	0.02	0.00	0.07	0.03	0.04	0.04	0.03	0.03	0.00	0.00	0.14	0.15	53.85	0.00
Trinectes maculatus postflexion larvae	1.65	0.03	0.05	0.04	0.01	0.02	0.08	0.00	0.00	0.05	0.02	0.02	0.13	0.09	0.06	58.78
ostracods, podocopid	1.51	0.03	0.04	0.03	0.06	0.03	0.04	0.23	0.05	0.03	0.00	0.00	0.00	0.21	15.06	4.71
Anchoa mitchilli eggs	1.47	0.00	0.00	0.22	1.83	0.44	0.57	0.04	0.02	0.03	0.00	0.00	0.13	0.00	0.00	40.27
Anchoa mitchilli postflexion larvae	1.32	3.69	0.30	0.49	0.00	0.05	0.57	0.01	0.13	1.83	0.00	0.00	0.22	0.00	53.83	25.22
Cassinidea ovalis	1.24	0.01	0.00	0.03	0.08	0.06	0.02	0.06	0.04	0.02	0.04	0.04	0.04	4.21	24.44	5.07
paracalanids	1.17	0.00	0.00	1.79	0.00	0.00	0.03	0.00	0.00	0.04	0.00	0.00	0.11	0.00	0.00	0.00
collembolas, podurid	1.14	0.00	0.00	0.00	0.02	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.00	0.00	24.75	0.00
medusa, sp. f (28 long, slender tentacles)	1.10	0.00	0.00	0.00	1.36	1.24	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Anchoa spp. preflexion larvae	1.00	0.00	0.11	1.10	0.00	0.00	0.89	0.00	0.04	1.43	0.00	0.00	0.73	0.00	0.00	0.02
Hirudinea	0.98	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.00	0.02	0.03	0.00	24.75	12.62
amphipods, caprellid	0.88	0.00	0.01	0.52	0.00	0.01	0.29	0.00	0.03	1.65	0.00	0.11	1.90	0.00	0.00	0.00
brachiopod, Glottidia pyramidata larvae	0.87	0.00	1.51	0.00	0.00	0.00	1.28	0.00	0.00	0.04	0.00	0.00	0.40	0.00	0.00	0.00
Edotea triloba	0.73	0.05	0.05	0.23	0.03	0.06	0.68	0.04	0.05	0.62	0.03	0.07	1.70	0.00	0.05	9.72
unidentified freshwater cyclopoids	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.02	0.05	0.01	1.81	0.00	0.00	0.00
Menidia spp. juveniles	0.63	0.16	0.16	0.02	0.05	0.03	0.04	0.00	0.04	0.00	0.02	0.01	0.04	0.00	24.17	0.00
dipteran, Chaoborus punctipennis larvae	0.62	0.04	0.00	0.00	0.08	0.06	0.05	0.03	0.03	0.04	0.00	0.00	0.00	0.03	24.17	0.00
oligochaetes	0.52	0.00	0.00	0.02	0.01	0.02	0.05	0.10	0.18	1.85	0.00	0.00	0.00	0.03	0.02	0.00
Anchoa spp. flexion larvae	0.47	0.41	0.34	0.63	0.01	0.01	0.49	0.00	0.03	0.40	0.00	0.00	0.20	0.00	0.00	0.00
cymothoid sp. a (Lironeca) juveniles	0.45	1.24	1.04	0.67	0.07	0.39	0.36	0.13	0.12	0.28	0.75	0.81	0.45	0.00	0.00	0.00
Oithona spp.	0.44	0.00	0.00	0.19	0.00	0.00	0.01	0.06	0.03	0.06	0.00	0.00	0.78	0.00	0.00	0.00
alphaeid postlarvae	0.41	0.00	0.02	0.79	0.00	0.00	0.24	0.00	0.03	0.36	0.00	0.00	0.36	0.00	0.00	0.00
Parasterope pollex	0.38	0.00	0.00	0.12	0.01	0.00	0.86	0.00	0.00	0.16	0.00	0.00	0.06	0.00	0.00	0.00

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Pinnixa sayana juveniles	0.35	0.01	0.02	0.15	0.00	0.00	0.55	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
gerreid preflexion larvae	0.34	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
Pseudodiaptomus coronatus	0.33	0.01	0.04	0.50	0.11	0.09	0.28	0.54	0.36	0.29	0.12	0.05	0.51	0.00	0.00	0.00
Lysmata sp. juveniles	0.33	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diaptomus sp.	0.30	0.08	0.13	0.00	0.14	1.38	0.02	0.02	0.04	0.01	0.01	0.01	0.00	0.00	0.00	0.00
gastropods, prosobranch	0.30	0.11	0.36	0.03	0.23	0.77	0.11	0.18	0.13	0.05	0.05	0.08	0.06	0.26	4.21	0.37
Upogebia spp. postlarvae	0.28	0.00	0.00	0.07	0.00	0.00	0.05	0.00	0.04	0.28	0.00	0.00	0.62	0.00	0.00	0.00
Gobiesox strumosus postflexion larvae	0.27	0.44	0.00	0.08	0.00	0.01	0.65	0.03	0.01	0.06	0.00	0.00	0.08	0.00	0.00	0.00
xanthid juveniles	0.26	0.00	0.00	0.01	0.00	0.02	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00
Cyclops sp.	0.25	0.20	0.04	0.05	0.03	0.74	0.26	0.02	0.09	0.02	0.00	0.00	0.00	0.00	0.00	0.02
Diaphanosoma brachyurum	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leiostomus xanthurus juveniles	0.23	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
pelecypods	0.23	0.06	0.03	0.13	0.05	0.05	0.06	0.09	0.28	0.07	0.05	0.48	0.07	0.05	8.30	0.04
medusa sp. e	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00
Microgobius spp. flexion larvae	0.22	0.01	0.02	0.20	0.24	0.09	0.11	0.00	0.69	0.87	0.00	0.09	0.04	0.00	0.00	0.00
mysid free embryos	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00
Americamysis stucki	0.21	0.00	0.00	0.26	0.00	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
Monstrilla sp.	0.18	0.00	0.00	0.16	0.00	0.00	0.17	0.00	0.00	0.21	0.00	0.00	0.13	0.00	0.00	0.00
dipterans, culicid larvae	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.07	0.07	0.00	0.00	0.26	0.00	0.00	0.00
Americamysis bahia	0.16	0.00	0.00	0.24	0.00	0.00	0.02	0.00	0.00	0.10	0.00	0.00	0.19	0.00	0.00	0.00
Erichsonella attenuata	0.16	0.00	0.00	0.02	0.00	0.00	0.25	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
Petrolisthes armatus juveniles	0.16	0.00	0.00	0.17	0.00	0.00	0.17	0.00	0.00	0.04	0.00	0.00	0.04	0.00	0.00	0.00
Hippolyte zostericola juveniles	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.29	0.00	0.00	0.00
Anchoa hepsetus postflexion larvae	0.13	0.00	0.00	0.10	0.00	0.00	0.49	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
Gobiesox strumosus flexion larvae	0.13	0.00	0.00	0.08	0.00	0.02	0.19	0.00	0.07	0.06	0.00	0.10	0.03	0.00	0.00	0.00
Palaemonetes pugio juveniles	0.12	0.16	0.75	0.06	0.03	0.05	0.03	0.02	0.04	0.04	0.00	0.01	0.06	0.00	0.00	0.00
Chloroscombrus chrysurus juveniles	0.12	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gambusia holbrooki adults	0.12	0.20	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gobiesox strumosus preflexion larvae	0.12	0.00	0.00	0.08	0.00	0.00	0.17	0.00	0.03	0.09	0.03	0.19	0.06	0.00	0.00	0.00
Gobiesox strumosus juveniles	0.11	0.00	0.00	0.09	0.01	0.05	0.11	0.00	0.15	0.19	0.00	0.00	0.00	0.00	0.00	0.00
Ogyrides alphaerostris postlarvae	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00
Hippolyte zostericola postlarvae	0.11	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.10	0.00	0.03	0.16	0.00	0.00	0.00
Chasmodes saburrae flexion larvae	0.11	0.00	0.00	0.31	0.00	0.00	0.07	0.00	0.00	0.05	0.00	0.00	0.03	0.00	0.00	0.00
scyphozoan ephyrae	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00
processid postlarvae	0.11	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.05	0.00	0.09	0.14	0.00	0.00	0.00
Cyprinodon variegatus eggs	0.10	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Probopyrus sp. (attached)	0.10	0.03	0.22	0.03	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Menidia spp. adults	0.10	0.05	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Callinassa sp. juveniles	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.17	0.00	0.00	0.00
shrimps, unidentified postlarvae	0.10	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00
blenniid preflexion larvae	0.09	0.00	0.00	0.16	0.00	0.00	0.07	0.00	0.00	0.08	0.00	0.00	0.08	0.00	0.00	0.00
Centropages velificatus	0.09	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00
Elops saurus juveniles	0.09	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gobiosoma robustum juveniles	0.09	0.05	0.02	0.06	0.08	0.39	0.05	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.04	0.00
Limulus polyphemus larvae	0.09	0.00	0.00	0.04	0.00	0.00	0.15	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
nematodes	0.09	0.00	0.00	0.00	0.03	0.03	0.11	0.03	0.06	0.11	0.00	0.05	0.00	0.00	0.02	0.18
foraminiferans	0.09	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
Chloroscombrus chrysurus postflexion larvae	0.08	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
Palaemonetes pugio adults	0.08	0.17	0.16	0.03	0.01	0.02	0.03	0.01	0.01	0.04	0.00	0.00	0.00	0.00	0.07	0.00
medusa sp. d	0.08	0.00	0.00	0.00	0.01	0.31	0.00	0.00	0.02	0.03	0.00	0.00	0.04	0.00	0.00	0.00
Anchoa hepsetus juveniles	0.08	0.01	0.00	0.10	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
medusa sp. b	0.08	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.00
Bowmaniella dissimilis	0.08	0.00	0.01	0.05	0.00	0.03	0.11	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Brevoortia spp. postflexion larvae	0.08	0.05	0.06	0.08	0.00	0.00	0.05	0.00	0.03	0.12	0.00	0.01	0.05	0.00	0.00	0.00
Cynoscion arenarius preflexion larvae	0.08	0.00	0.00	0.04	0.00	0.00	0.09	0.00	0.00	0.04	0.00	0.00	0.08	0.00	0.00	0.00
Temora turbinata	0.08	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.04	0.00	0.00	0.14	0.00	0.00	0.00
Labidesthes sicculus postflexion larvae	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00
Cynoscion arenarius flexion larvae	0.08	0.00	0.00	0.05	0.00	0.00	0.11	0.00	0.00	0.03	0.00	0.00	0.04	0.00	0.00	0.00
Tozeuma carolinense postlarvae	0.07	0.00	0.00	0.23	0.00	0.00	0.02	0.00	0.00	0.04	0.00	0.00	0.06	0.00	0.00	0.00
hemipterans, gerrid adults	0.07	0.00	0.00	0.00	0.07	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.11	0.03	0.00
Menidia spp. postflexion larvae	0.07	0.05	0.00	0.03	0.21	0.06	0.04	0.01	0.03	0.02	0.00	0.01	0.01	0.00	0.00	0.00
Upogebia spp. juveniles	0.07	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.08	0.00	0.00	0.06	0.00	0.00	0.00
trichopteran larvae	0.07	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.22	0.00	0.00
clupeid eggs	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.06	0.00	0.00	0.00
Brevoortia smithi juveniles	0.07	0.03	0.13	0.05	0.00	0.03	0.07	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
Palaemon floridanus postlarvae	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.06	0.00	0.00	0.00
medusa, Eutima sp.	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.03	0.00	0.00	0.00
Chasmodes saburrae postflexion larvae	0.06	0.00	0.00	0.03	0.00	0.00	0.07	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00
coleopterans, curculionid adults	0.06	0.00	0.00	0.26	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.02
Chaetodipterus faber postflexion larvae	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00

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pisthonema oglinum postflexion larvae	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00
cirriped cypris stage	0.06	0.00	0.00	0.07	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.08	0.00	0.00	0.00
Ilyocyptus sp.	0.06	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.12	0.00	0.00	0.00	0.00	0.03	0.00	0.00
Trinectes maculatus preflexion larvae	0.06	0.00	0.00	0.03	0.00	0.00	0.04	0.00	0.00	0.05	0.00	0.00	0.10	0.00	0.00	0.00
Taphromysis bowmani	0.05	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.03
Bathygobius soporator flexion larvae	0.05	0.00	0.00	0.01	0.00	0.00	0.06	0.00	0.00	0.06	0.00	0.00	0.03	0.00	0.00	0.00
penaeid postlarvae	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.05	0.00	0.00	0.00
Bathygobius soporator preflexion larvae	0.05	0.00	0.00	0.13	0.00	0.03	0.05	0.00	0.03	0.04	0.00	0.00	0.05	0.00	0.00	0.00
Ambidexter symmetricus juveniles	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.05	0.00	0.00	0.00
Alpheus estuariensis juveniles	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
Leydigia sp.	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Squilla empusa larvae	0.05	0.00	0.00	0.07	0.00	0.02	0.05	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Pagurus longicarpus juveniles	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
Branchiostoma floridae	0.05	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
medusa, sp. g (like Rhopalonema wt/ top knob)	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.02	0.00	0.00	0.10	0.00	0.00	0.00
Bairdiella chrysoura preflexion larvae	0.05	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.04	0.00	0.00	0.06	0.00	0.00	0.00
Alteutha sp.	0.05	0.00	0.00	0.33	0.00	0.00	0.03	0.00	0.06	0.01	0.00	0.00	0.05	0.00	0.00	0.00
Trinectes maculatus flexion larvae	0.05	0.00	0.00	0.05	0.00	0.00	0.05	0.00	0.00	0.01	0.00	0.00	0.06	0.00	0.00	0.02
Achirus lineatus preflexion larvae	0.05	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00
Aurelia aurita	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.03
Lepomis macrochirus preflexion larvae	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
cymothoid sp. a (Livoneca)	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.03
Cynoscion nebulosus juveniles	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
processid juveniles	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
Brevoortia patronus juveniles	0.04	0.02	0.09	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
alphaeid juveniles	0.04	0.00	0.00	0.01	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mysidopsis furca	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
Cynoscion arenarius postflexion larvae	0.04	0.00	0.00	0.08	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.05	0.00	0.00	0.00
medusa sp. c	0.04	0.00	0.00	0.00	0.07	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Poecilia latipinna juveniles	0.04	0.03	0.06	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
hemichordate larvae	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Centropages hamatus	0.04	0.00	0.00	0.03	0.00	0.00	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
Uromunna reynoldsi	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.05

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Macrocyclus albidus	0.04	0.00	0.00	0.00	0.01	0.00	0.00	0.04	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Periclimenes spp. postlarvae	0.04	0.00	0.00	0.01	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eugerres plumieri postflexion larvae	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.06	0.00	0.00	0.00
Ambidexter symmetricus postlarvae	0.04	0.00	0.00	0.06	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bairdiella chrysoura postflexion larvae	0.04	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.07	0.00	0.00	0.01	0.00	0.00	0.00
paguroid megalops larvae	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
Gambusia holbrooki juveniles	0.04	0.07	0.02	0.00	0.02	0.01	0.01	0.03	0.02	0.01	0.01	0.00	0.00	0.03	0.00	0.00
Anopsilana jonesi	0.04	0.01	0.06	0.08	0.02	0.04	0.02	0.05	0.03	0.03	0.02	0.00	0.05	0.11	0.00	0.00
gastropods, opisthobranch	0.04	0.00	0.00	0.02	0.00	0.03	0.02	0.00	0.00	0.05	0.00	0.00	0.03	0.00	0.00	0.00
Cynoscion nebulosus postflexion larvae	0.04	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00
Anchoa mitchilli adults	0.03	0.00	0.02	0.03	0.01	0.25	0.03	0.00	0.03	0.04	0.00	0.00	0.03	0.00	0.00	0.00
siphonostomatids	0.03	0.00	0.06	0.02	0.00	0.01	0.03	0.00	0.01	0.03	0.00	0.01	0.05	0.00	0.00	0.00
Rhithropanopeus harrisii juveniles	0.03	0.03	0.03	0.03	0.01	0.00	0.07	0.00	0.03	0.03	0.00	0.01	0.01	0.00	0.00	0.03
Sinelobus stanfordi	0.03	0.00	0.00	0.01	0.00	0.00	0.03	0.00	0.01	0.03	0.00	0.00	0.05	0.00	0.02	0.00
Sarsiella zostericola	0.03	0.00	0.00	0.04	0.00	0.00	0.03	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
Bougainvillia sp.	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
Microgobius gulosus juveniles	0.03	0.08	0.04	0.04	0.06	0.03	0.02	0.00	0.01	0.00	0.00	0.00	0.03	0.00	0.03	0.00
Strongylura spp. postflexion larvae	0.03	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Microgobius gulosus adults	0.03	0.02	0.00	0.05	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cynoscion nebulosus preflexion larvae	0.03	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
Syngnathus louisianae juveniles	0.03	0.02	0.00	0.04	0.00	0.01	0.03	0.00	0.03	0.03	0.00	0.00	0.01	0.00	0.00	0.00
coleopterans, gyrinid larvae	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Opsanus beta juveniles	0.03	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
Chloroscombrus chrysurus preflexion larvae	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Cirolana jonesi	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
Alpheus viridari juveniles	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
Latonopsis fasciculata	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heteromysis sp.	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
Bairdiella chrysoura flexion larvae	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.04	0.00	0.00	0.00
hemipterans, corixid juveniles	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.02	0.00	0.03	0.00
dipterans, muscid larvae	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
Trinectes maculatus juveniles	0.03	0.01	0.03	0.06	0.01	0.01	0.02	0.01	0.02	0.04	0.00	0.02	0.03	0.00	0.00	0.00
paguroid juveniles	0.03	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
penaeid metamorphs	0.03	0.00	0.00	0.05	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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gobiid eggs	0.03	0.00	0.00	0.00	0.04	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tilapia melanotheron juveniles	0.03	0.06	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
dipterans, ephyrid larvae	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Munna reynoldsi	0.03	0.00	0.00	0.00	0.02	0.03	0.03	0.03	0.00	0.04	0.00	0.03	0.00	0.00	0.00	0.02
hemipterans, corixid adults	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.04	0.00	0.00	0.00	0.00	0.03	0.00
Simocephalus vetulus	0.03	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.03	0.00	0.00
Lolliguncula brevis juveniles	0.03	0.00	0.00	0.02	0.02	0.00	0.04	0.00	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.00
Hargeria rapax	0.03	0.00	0.00	0.02	0.01	0.00	0.02	0.00	0.00	0.04	0.00	0.00	0.01	0.00	0.00	0.00
coleopterans, scirtid larvae	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lupinoblennius nicholsi flexion larvae	0.03	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.04	0.00	0.00	0.00
cladocerans, Daphnia spp.	0.03	0.00	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Calanopia americana	0.03	0.00	0.00	0.05	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
Syngnathus scovelli juveniles	0.03	0.01	0.02	0.02	0.00	0.00	0.02	0.00	0.04	0.04	0.00	0.00	0.04	0.00	0.00	0.00
Tilapia spp. postflexion larvae	0.03	0.00	0.01	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Temora longicornis	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Tozeuma carolinense juveniles	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
turbellarians	0.03	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
Mugil curema juveniles	0.03	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Spelaemysis sp.	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
myodocopod sp. a	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Cyprinodon variegatus postflexion larvae	0.03	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tortanus setacaudatus	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.00
coleopterans, noterid larvae	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Farfantepenaeus duorarum juveniles	0.03	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
Acari	0.03	0.00	0.00	0.01	0.01	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00
cymothoid sp. b juveniles	0.02	0.00	0.00	0.03	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
coleopterans, haliplid larvae	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lepisosteus sp. postflexion larvae	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
Sphaeroma quadridentata	0.02	0.00	0.00	0.02	0.00	0.04	0.01	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
Lupinoblennius nicholsi postflexion larvae	0.02	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Lucania parva postflexion larvae	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Dormitator maculatus postflexion larvae	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
odonates, zygopteran larvae	0.02	0.01	0.02	0.00	0.01	0.00	0.00	0.02	0.04	0.00	0.00	0.00	0.00	0.03	0.00	0.03
pycnogonids	0.02	0.00	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.06	0.00	0.00	0.00
Oligoplites saurus juveniles	0.02	0.00	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00

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dipterans, stratiomyid larvae	0.02	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.03	0.00	0.00
Lagodon rhomboides juveniles	0.02	0.00	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
Leptochela serratorbita juveniles	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Harrieta faxoni	0.02	0.00	0.00	0.01	0.00	0.00	0.02	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Eucramus praelongus juveniles	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
coleopterans, dytiscid adults	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
Saphirella spp.	0.02	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Mugil cephalus juveniles	0.02	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.02	0.03	0.00	0.00	0.02	0.00	0.00	0.00
Orthocyclops modestus	0.02	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
coleopterans, noterid adults	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fundulus grandis postflexion larvae	0.02	0.00	0.02	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Beroe ovata	0.02	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
lepidopterans, pyralid larvae	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.02	0.02	0.01	0.00	0.04	0.03	0.00	0.00
Membras martinica juveniles	0.02	0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tilapia spp. juveniles	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
branchiurans, Argulus spp.	0.02	0.02	0.01	0.01	0.01	0.00	0.03	0.01	0.01	0.02	0.00	0.01	0.01	0.03	0.00	0.03
Menticirrhus spp. preflexion larvae	0.02	0.00	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.00
Microgobius thalassinus juveniles	0.02	0.00	0.00	0.01	0.00	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Syngnathus scovelli adults	0.02	0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cynoscion arenarius juveniles	0.02	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Ogyrides alphaerostis juveniles and adults	0.02	0.00	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Cynoscion nebulosus flexion larvae	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Menidia spp. eggs	0.02	0.00	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
coleopterans, elmid larvae	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00
dipterans, ceratopogonid larvae	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eucyclops speratus	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00
coleopterans, elmid adults	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Menticirrhus spp. postflexion larvae	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Sida crystallina	0.02	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cyathura polita	0.02	0.00	0.00	0.01	0.01	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Membras martinica preflexion larvae	0.02	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rhithropanopeus harrisi adults	0.02	0.00	0.00	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eurypanopeus depressus adults	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Achirus lineatus flexion larvae	0.02	0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
sipunculids	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eucalanus sp.	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00

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hemipterans, pleid adults	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cymothoid sp. c juveniles	0.01	0.02	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hypsoblennius spp. postflexion larvae	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Anchoa mitchilli preflexion larvae	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
dipterans, tabanid larvae	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
hemipterans, nepid adults	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lucania parva juveniles	0.01	0.01	0.01	0.00	0.01	0.03	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
thaliaceans	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Menticirrhus spp. flexion larvae	0.01	0.00	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
anuran larvae	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ictalurus punctatus juveniles	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hypsoblennius spp. flexion larvae	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Anchoa cubana juveniles	0.01	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
medusa sp. a	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hippocampus erectus juveniles	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albula vulpes postflexion larvae	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Heterandria formosa juveniles	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Achirus lineatus postflexion larvae	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fundulus spp. postflexion larvae	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
gerreid postflexion larvae	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hippolyte zostericola adults	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Gobiosox strumosus adults	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Callinectes sapidus juveniles	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Labidesthes sicculus preflexion larvae	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
isopod sp. a	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Bairdiella chrysoura juveniles	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gobiosoma bosc adults	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lucania goodei postflexion larvae	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Tozeuma carolinense adults	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dorosoma spp. preflexion larvae	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
hemipterans, belostomatid adults	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00
Anchoa hepsetus eggs	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Microgobius thalassinus adults	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
coleopterans, dytiscid larvae	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eurytemora affinis	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lucania parva adults	0.01	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3.2.1.5 Summary statistics of density of organisms.

variable	n	min	max	median	q1	q3	iqr	mad	mean	sd	se	ci
result_m3	17478	0	1644376	0.09	0.03	0.56	0.54	0.11	255	15889	120	236

3.2.1.6 Summary statistics of densities by MFL Period

MFL Period	variable	n	min	max	median	q1	q3	iqr	mad	mean	sd	se	ci
Period 1	result_m3	3785	0.01	1440	0.10	0.03	0.68	0.66	0.12	8.5	64	1.04	2.0
Period 2	result_m3	6912	0.01	2963	0.08	0.03	0.57	0.54	0.10	10.1	74	0.90	1.8
Period 3	result_m3	4601	0.01	1469	0.08	0.03	0.39	0.36	0.09	5.5	38	0.56	1.1
Period 4	result_m3	1675	0.01	986	0.12	0.04	0.62	0.58	0.15	11.2	59	1.44	2.8
Period 5	result_m3	505	0.00	1644376	0.20	0.04	50.44	50.40	0.25	8552.5	93182	4146.55	8146.7

3.2.1.7 Summary statistics of densities by River Segment

River Segment	variable	n	min	max	median	q1	q3	iqr	mad	mean	sd	se	ci
Upper	result_m3	113	0.03	858	0.09	0.03	0.26	0.22	0.09	20.8	106	9.97	19.8
Middle	result_m3	1936	0.01	427676	0.06	0.02	0.34	0.33	0.06	439.4	10814	245.78	482.0
Lower	result_m3	2228	0.00	1644376	0.08	0.03	0.61	0.58	0.10	1571.7	43329	917.95	1800.1
Downstream	result_m3	13201	0.01	2963	0.10	0.03	0.59	0.56	0.12	8.4	64	0.56	1.1

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3.2.1.8 Summary statistics of densities by MFL period and River segment

River Segment	MFL Period	variable	n	min	max	median	q1	q3	iqr	mad	mean	sd	se	ci
Middle	Period 1	result_m3	427	0.01	623	0.06	0.02	0.48	0.47	0.07	8.6	50	2.41	4.7
Lower	Period 1	result_m3	474	0.01	960	0.09	0.02	0.48	0.46	0.11	12.0	73	3.37	6.6
Downstream	Period 1	result_m3	2884	0.01	1440	0.10	0.03	0.73	0.70	0.14	8.0	64	1.19	2.3
Middle	Period 2	result_m3	783	0.01	309	0.04	0.01	0.23	0.22	0.05	7.0	31	1.09	2.1
Lower	Period 2	result_m3	782	0.01	1625	0.08	0.03	0.78	0.76	0.10	13.6	76	2.70	5.3
Downstream	Period 2	result_m3	5347	0.01	2963	0.09	0.03	0.62	0.59	0.12	10.0	79	1.07	2.1
Middle	Period 3	result_m3	411	0.01	489	0.04	0.01	0.17	0.16	0.04	5.9	32	1.60	3.1
Lower	Period 3	result_m3	573	0.01	259	0.06	0.03	0.28	0.26	0.07	5.3	23	0.96	1.9
Downstream	Period 3	result_m3	3617	0.01	1469	0.08	0.03	0.45	0.42	0.10	5.5	40	0.66	1.3
Middle	Period 4	result_m3	140	0.01	322	0.04	0.02	0.22	0.20	0.05	10.4	44	3.73	7.4
Lower	Period 4	result_m3	182	0.01	986	0.06	0.03	0.30	0.27	0.07	19.1	100	7.40	14.6
Downstream	Period 4	result_m3	1353	0.01	856	0.14	0.05	0.71	0.66	0.18	10.2	53	1.43	2.8
Upper	Period 5	result_m3	113	0.03	858	0.09	0.03	0.26	0.22	0.09	20.8	106	9.97	19.8
Middle	Period 5	result_m3	175	0.02	427676	0.40	0.05	114.27	114.22	0.56	4787.4	35771	2704.07	5337.0
Lower	Period 5	result_m3	217	0.00	1644376	0.64	0.05	100.88	100.83	0.91	16031.6	138288	9387.61	18503.0

3.2.1.9 Summary statistics of density of organisms by river segment and MFL period

River Segment	MFL Period	variable	n	min	max	median	q1	q3	iqr	mad	mean	sd	se	ci
Upper	Period 5	result_m3	113	0.03	858	0.09	0.03	0.26	0.22	0.09	20.8	106	9.97	19.8
Middle	Period 1	result_m3	427	0.01	623	0.06	0.02	0.48	0.47	0.07	8.6	50	2.41	4.7
Middle	Period 2	result_m3	783	0.01	309	0.04	0.01	0.23	0.22	0.05	7.0	31	1.09	2.1
Middle	Period 3	result_m3	411	0.01	489	0.04	0.01	0.17	0.16	0.04	5.9	32	1.60	3.1
Middle	Period 4	result_m3	140	0.01	322	0.04	0.02	0.22	0.20	0.05	10.4	44	3.73	7.4
Middle	Period 5	result_m3	175	0.02	427676	0.40	0.05	114.27	114.22	0.56	4787.4	35771	2704.07	5337.0
Lower	Period 1	result_m3	474	0.01	960	0.09	0.02	0.48	0.46	0.11	12.0	73	3.37	6.6
Lower	Period 2	result_m3	782	0.01	1625	0.08	0.03	0.78	0.76	0.10	13.6	76	2.70	5.3
Lower	Period 3	result_m3	573	0.01	259	0.06	0.03	0.28	0.26	0.07	5.3	23	0.96	1.9
Lower	Period 4	result_m3	182	0.01	986	0.06	0.03	0.30	0.27	0.07	19.1	100	7.40	14.6
Lower	Period 5	result_m3	217	0.00	1644376	0.64	0.05	100.88	100.83	0.91	16031.6	138288	9387.61	18503.0
Downstream	Period 1	result_m3	2884	0.01	1440	0.10	0.03	0.73	0.70	0.14	8.0	64	1.19	2.3
Downstream	Period 2	result_m3	5347	0.01	2963	0.09	0.03	0.62	0.59	0.12	10.0	79	1.07	2.1
Downstream	Period 3	result_m3	3617	0.01	1469	0.08	0.03	0.45	0.42	0.10	5.5	40	0.66	1.3
Downstream	Period 4	result_m3	1353	0.01	856	0.14	0.05	0.71	0.66	0.18	10.2	53	1.43	2.8

3.2.1.10 Summary statistics of density by taxon, river segment, and MFL period

River Segment	MFL Period	Final Taxa	variable	n	min	max	median	q1	q3	iqr	mad	mean	sd	se	ci
Downstream	Period 4	decapod zoeae	result_m3	46	0.12	8.6e+02	66.79	15.45	163.29	147.84	85.81	135.86	187.60	27.66	55.71
Downstream	Period 4	Acartia tonsa	result_m3	45	0.03	5.0e+02	33.27	1.13	159.22	158.08	49.15	93.99	125.70	18.74	37.76
Downstream	Period 4	appendicularian, Oikopleura dioica	result_m3	22	0.01	3.0e+02	4.78	0.16	94.30	94.14	7.05	61.46	90.71	19.34	40.22
Downstream	Period 4	fish eggs, percomorph	result_m3	14	0.03	1.9e+02	0.45	0.10	66.18	66.08	0.61	38.32	60.84	16.26	35.12
Downstream	Period 4	Penilia avirostris	result_m3	10	0.03	7.7e+01	0.42	0.05	1.43	1.39	0.58	8.26	24.08	7.61	17.22
Downstream	Period 4	Labidocera aestiva	result_m3	22	0.05	3.5e+01	0.54	0.10	9.54	9.44	0.71	7.36	12.21	2.60	5.41
Downstream	Period 4	Lucifer faxoni juveniles and adults	result_m3	23	0.03	4.3e+01	0.28	0.08	8.98	8.90	0.37	7.30	12.46	2.60	5.39
Downstream	Period 4	cumaceans	result_m3	36	0.02	5.8e+01	0.25	0.08	1.26	1.18	0.29	3.86	11.47	1.91	3.88
Downstream	Period 4	decapod mysis	result_m3	47	0.03	1.4e+02	0.37	0.14	1.06	0.92	0.43	3.83	20.28	2.96	5.96
Downstream	Period 4	chaetognaths, sagittid	result_m3	29	0.01	1.7e+01	0.31	0.21	1.49	1.28	0.33	2.28	4.39	0.81	1.67
Downstream	Period 4	amphipods, caprellid	result_m3	22	0.01	1.3e+01	0.20	0.05	1.11	1.07	0.27	1.90	3.62	0.77	1.60
Downstream	Period 4	Americamysis almyra	result_m3	36	0.01	7.6e+00	0.75	0.13	2.48	2.34	0.99	1.86	2.40	0.40	0.81
Downstream	Period 4	unidentified freshwater cyclopoids	result_m3	7	0.06	9.3e+00	0.43	0.30	1.16	0.86	0.55	1.81	3.32	1.25	3.07
Downstream	Period 4	Edotea triloba	result_m3	43	0.01	1.9e+01	0.32	0.12	1.33	1.21	0.40	1.70	3.56	0.54	1.10
Downstream	Period 4	Gobiosoma spp. postflexion larvae	result_m3	25	0.01	9.4e+00	0.71	0.19	2.23	2.04	0.98	1.51	2.08	0.42	0.86
Downstream	Period 4	Evadne tergestina	result_m3	14	0.01	8.5e+00	0.26	0.05	0.84	0.79	0.35	1.50	2.83	0.76	1.64
Downstream	Period 4	unidentified Americamysis juveniles	result_m3	42	0.03	6.0e+00	0.57	0.16	1.82	1.66	0.76	1.31	1.64	0.25	0.51
Downstream	Period 4	cirriped nauplius stage	result_m3	27	0.01	2.1e+01	0.20	0.08	0.45	0.37	0.26	1.19	4.08	0.78	1.61
Downstream	Period 4	Ergasilus sp.	result_m3	4	0.16	1.8e+00	0.66	0.40	1.09	0.69	0.51	0.82	0.71	0.36	1.14
Downstream	Period 4	Oithona spp.	result_m3	12	0.03	4.0e+00	0.12	0.07	1.00	0.93	0.11	0.78	1.22	0.35	0.77
Downstream	Period 4	Polychaeta	result_m3	38	0.01	1.4e+01	0.08	0.03	0.18	0.16	0.08	0.76	2.73	0.44	0.90
Downstream	Period 4	gobiid preflexion larvae	result_m3	42	0.03	4.2e+00	0.40	0.15	0.64	0.50	0.39	0.73	0.97	0.15	0.30
Downstream	Period 4	Anchoa spp. preflexion larvae	result_m3	26	0.01	6.0e+00	0.13	0.04	0.66	0.62	0.15	0.73	1.37	0.27	0.55
Downstream	Period 4	amphipods, gammaridean	result_m3	47	0.01	4.7e+00	0.26	0.10	0.72	0.62	0.25	0.67	1.02	0.15	0.30
Downstream	Period 4	Upogebia spp. postlarvae	result_m3	13	0.01	1.4e+00	0.40	0.24	1.02	0.78	0.57	0.62	0.50	0.14	0.30
Downstream	Period 4	decapod megalopae	result_m3	35	0.01	2.5e+00	0.24	0.05	0.88	0.82	0.33	0.52	0.61	0.10	0.21
Downstream	Period 4	Pseudodiaptomus coronatus	result_m3	44	0.03	2.6e+00	0.31	0.12	0.55	0.43	0.31	0.51	0.61	0.09	0.19
Downstream	Period 4	Mnemiopsis mccradyi	result_m3	7	0.01	2.3e+00	0.04	0.03	0.42	0.39	0.04	0.47	0.85	0.32	0.79
Downstream	Period 4	cymothoid sp. a (Lironeca) juveniles	result_m3	41	0.03	2.3e+00	0.26	0.09	0.72	0.63	0.28	0.45	0.52	0.08	0.16
Downstream	Period 4	Microgobius spp. postflexion larvae	result_m3	17	0.01	1.4e+00	0.11	0.04	0.74	0.70	0.15	0.41	0.47	0.11	0.24
Downstream	Period 4	brachiopod, Glottidia pyramidata larvae	result_m3	4	0.09	1.2e+00	0.16	0.11	0.45	0.34	0.08	0.40	0.54	0.27	0.86
Downstream	Period 4	alphaeid postlarvae	result_m3	21	0.01	1.1e+00	0.18	0.04	0.68	0.64	0.24	0.36	0.36	0.08	0.16
Downstream	Period 4	Hippolyte zostericola juveniles	result_m3	7	0.04	8.3e-01	0.22	0.07	0.39	0.33	0.24	0.29	0.28	0.11	0.26
Downstream	Period 4	Lucifer faxoni mysis	result_m3	2	0.22	3.3e-01	0.28	0.25	0.30	0.05	0.08	0.28	0.07	0.05	0.68

Downstream	Period 4	dipterans, culicid larvae	result_m3	2	0.04	4.8e-01	0.26	0.15	0.37	0.22	0.33	0.26	0.31	0.22	2.82
Downstream	Period 4	gobiid flexion larvae	result_m3	25	0.01	1.0e+00	0.17	0.04	0.34	0.30	0.20	0.26	0.29	0.06	0.12
Downstream	Period 4	Anchoa mitchilli postflexion larvae	result_m3	16	0.01	8.3e-01	0.11	0.04	0.33	0.29	0.11	0.22	0.25	0.06	0.13
Downstream	Period 4	Anchoa spp. flexion larvae	result_m3	12	0.06	6.4e-01	0.11	0.06	0.30	0.24	0.07	0.20	0.19	0.06	0.12
Downstream	Period 4	Anchoa mitchilli juveniles	result_m3	31	0.01	1.5e+00	0.07	0.03	0.12	0.10	0.07	0.20	0.34	0.06	0.12
Downstream	Period 4	Americamysis bahia	result_m3	2	0.06	3.2e-01	0.19	0.13	0.26	0.13	0.19	0.19	0.18	0.13	1.64
Downstream	Period 4	Callinassa sp. juveniles	result_m3	4	0.05	4.0e-01	0.12	0.06	0.22	0.16	0.09	0.17	0.16	0.08	0.26
Downstream	Period 4	Hippolyte zostericola postlarvae	result_m3	20	0.01	1.0e+00	0.07	0.05	0.10	0.05	0.04	0.16	0.27	0.06	0.13
Downstream	Period 4	Palaemonetes spp. postlarvae	result_m3	35	0.01	8.0e-01	0.14	0.06	0.18	0.12	0.11	0.16	0.16	0.03	0.05
Downstream	Period 4	processid postlarvae	result_m3	10	0.01	6.6e-01	0.05	0.04	0.19	0.15	0.04	0.14	0.20	0.06	0.14
Downstream	Period 4	dipterans, pupae	result_m3	3	0.01	3.5e-01	0.06	0.04	0.20	0.17	0.07	0.14	0.18	0.10	0.45
Downstream	Period 4	Temora turbinata	result_m3	6	0.06	2.2e-01	0.14	0.09	0.18	0.09	0.07	0.14	0.07	0.03	0.07
Downstream	Period 4	Monstrilla sp.	result_m3	15	0.03	3.0e-01	0.10	0.03	0.23	0.19	0.11	0.13	0.11	0.03	0.06
Downstream	Period 4	Trinectes maculatus postflexion larvae	result_m3	7	0.04	2.6e-01	0.12	0.08	0.17	0.09	0.10	0.13	0.08	0.03	0.07
Downstream	Period 4	Anchoa mitchilli eggs	result_m3	6	0.01	3.6e-01	0.06	0.04	0.19	0.15	0.05	0.13	0.14	0.06	0.15
Downstream	Period 4	Ogyrides alphaerostris postlarvae	result_m3	7	0.01	2.7e-01	0.10	0.05	0.15	0.10	0.08	0.11	0.09	0.03	0.08
Downstream	Period 4	paracalanids	result_m3	2	0.08	1.4e-01	0.11	0.09	0.13	0.04	0.05	0.11	0.05	0.04	0.44
Downstream	Period 4	medusa, sp. g (like Rhopalonema wt/ top knob)	result_m3	1	0.10	1.0e-01	0.10	0.10	0.10	0.00	0.00	0.10	NA	NA	NaN
Downstream	Period 4	Trinectes maculatus preflexion larvae	result_m3	5	0.04	2.6e-01	0.06	0.06	0.08	0.02	0.02	0.10	0.09	0.04	0.11
Downstream	Period 4	blenniid preflexion larvae	result_m3	25	0.01	4.4e-01	0.06	0.03	0.09	0.07	0.04	0.09	0.10	0.02	0.04
Downstream	Period 4	cirriped cypris stage	result_m3	3	0.01	1.6e-01	0.06	0.04	0.11	0.08	0.07	0.08	0.08	0.04	0.19
Downstream	Period 4	Cynoscion arenarius preflexion larvae	result_m3	2	0.04	1.1e-01	0.08	0.06	0.10	0.03	0.05	0.08	0.05	0.03	0.44
Downstream	Period 4	Gobiesox strumosus postflexion larvae	result_m3	13	0.01	3.3e-01	0.04	0.03	0.10	0.07	0.04	0.08	0.09	0.02	0.05
Downstream	Period 4	Achirus lineatus preflexion larvae	result_m3	1	0.08	8.0e-02	0.08	0.08	0.08	0.00	0.00	0.08	NA	NA	NaN
Downstream	Period 4	Labidesthes sicculus postflexion larvae	result_m3	1	0.08	8.0e-02	0.08	0.08	0.08	0.00	0.00	0.08	NA	NA	NaN
Downstream	Period 4	dipterans, chironomid larvae	result_m3	8	0.01	2.7e-01	0.05	0.03	0.08	0.05	0.04	0.07	0.08	0.03	0.07
Downstream	Period 4	pelecypods	result_m3	7	0.01	1.7e-01	0.04	0.03	0.12	0.10	0.05	0.07	0.07	0.03	0.06
Downstream	Period 4	Palaemon floridanus postlarvae	result_m3	4	0.05	8.0e-02	0.06	0.06	0.06	0.01	0.00	0.06	0.01	0.01	0.02
Downstream	Period 4	Palaemonetes pugio juveniles	result_m3	1	0.06	6.0e-02	0.06	0.06	0.06	0.00	0.00	0.06	NA	NA	NaN
Downstream	Period 4	Trinectes maculatus flexion larvae	result_m3	1	0.06	6.0e-02	0.06	0.06	0.06	0.00	0.00	0.06	NA	NA	NaN
Downstream	Period 4	Upogebia spp. juveniles	result_m3	2	0.06	6.0e-02	0.06	0.06	0.06	0.00	0.00	0.06	0.00	0.00	0.01
Downstream	Period 4	Parasterope pollex	result_m3	6	0.01	1.4e-01	0.05	0.04	0.06	0.02	0.02	0.06	0.04	0.02	0.04
Downstream	Period 4	Bairdiella chrysoura preflexion larvae	result_m3	1	0.06	6.0e-02	0.06	0.06	0.06	0.00	0.00	0.06	NA	NA	NaN
Downstream	Period 4	Chaetodipterus faber postflexion larvae	result_m3	1	0.06	6.0e-02	0.06	0.06	0.06	0.00	0.00	0.06	NA	NA	NaN
Downstream	Period 4	Cynoscion nebulosus postflexion larvae	result_m3	3	0.01	1.4e-01	0.03	0.02	0.08	0.06	0.02	0.06	0.07	0.04	0.17
Downstream	Period 4	Opisthonema oglinum postflexion larvae	result_m3	1	0.06	6.0e-02	0.06	0.06	0.06	0.00	0.00	0.06	NA	NA	NaN
Downstream	Period 4	Tozeuma carolinense postlarvae	result_m3	1	0.06	6.0e-02	0.06	0.06	0.06	0.00	0.00	0.06	NA	NA	NaN

Downstream	Period 4	gastropods, prosobranch	result_m3	7	0.03	9.0e-02	0.06	0.04	0.08	0.04	0.02	0.06	0.03	0.01	0.02
Downstream	Period 4	pycnogonids	result_m3	1	0.06	6.0e-02	0.06	0.06	0.06	0.00	0.00	0.06	NA	NA	NaN
Downstream	Period 4	Eugerres plumieri postflexion larvae	result_m3	1	0.06	6.0e-02	0.06	0.06	0.06	0.00	0.00	0.06	NA	NA	NaN
Downstream	Period 4	clupeid eggs	result_m3	2	0.05	6.0e-02	0.06	0.05	0.06	0.01	0.01	0.06	0.01	0.01	0.08
Downstream	Period 4	Gobiosox strumosus preflexion larvae	result_m3	16	0.01	2.1e-01	0.04	0.04	0.06	0.02	0.01	0.06	0.05	0.01	0.03
Downstream	Period 4	siphonostomatids	result_m3	15	0.01	1.7e-01	0.03	0.01	0.08	0.07	0.02	0.05	0.05	0.01	0.03
Downstream	Period 4	penaeid postlarvae	result_m3	2	0.03	8.0e-02	0.05	0.04	0.07	0.03	0.04	0.05	0.04	0.03	0.36
Downstream	Period 4	Alpheus estuariensis juveniles	result_m3	1	0.05	5.0e-02	0.05	0.05	0.05	0.00	0.00	0.05	NA	NA	NaN
Downstream	Period 4	Alteutha sp.	result_m3	11	0.02	1.2e-01	0.03	0.03	0.08	0.06	0.01	0.05	0.04	0.01	0.02
Downstream	Period 4	Anopsilana jonesi	result_m3	1	0.05	5.0e-02	0.05	0.05	0.05	0.00	0.00	0.05	NA	NA	NaN
Downstream	Period 4	unidentified harpacticoids	result_m3	1	0.05	5.0e-02	0.05	0.05	0.05	0.00	0.00	0.05	NA	NA	NaN
Downstream	Period 4	Pagurus longicarpus juveniles	result_m3	2	0.04	6.0e-02	0.05	0.05	0.05	0.01	0.01	0.05	0.01	0.01	0.10
Downstream	Period 4	Ambidexter symmetricus juveniles	result_m3	1	0.05	5.0e-02	0.05	0.05	0.05	0.00	0.00	0.05	NA	NA	NaN
Downstream	Period 4	Cynoscion arenarius postflexion larvae	result_m3	4	0.01	1.0e-01	0.04	0.02	0.07	0.04	0.03	0.05	0.04	0.02	0.06
Downstream	Period 4	Sinelobus stanfordi	result_m3	6	0.01	1.3e-01	0.03	0.01	0.07	0.06	0.02	0.05	0.05	0.02	0.05
Downstream	Period 4	Bathygobius soporator postflexion larvae	result_m3	4	0.03	6.0e-02	0.05	0.04	0.05	0.01	0.01	0.05	0.01	0.01	0.02
Downstream	Period 4	Bathygobius soporator preflexion larvae	result_m3	10	0.02	1.0e-01	0.04	0.03	0.05	0.02	0.02	0.05	0.02	0.01	0.02
Downstream	Period 4	Brevoortia spp. postflexion larvae	result_m3	5	0.01	1.1e-01	0.03	0.01	0.08	0.06	0.02	0.05	0.04	0.02	0.05
Downstream	Period 4	Mysidopsis furca	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Downstream	Period 4	Petrolisthes armatus juveniles	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Downstream	Period 4	Bairdiella chrysoura flexion larvae	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Downstream	Period 4	Cassinidinea ovalis	result_m3	4	0.01	6.0e-02	0.04	0.02	0.06	0.04	0.03	0.04	0.03	0.01	0.04
Downstream	Period 4	Microgobius spp. flexion larvae	result_m3	6	0.01	6.0e-02	0.04	0.02	0.06	0.04	0.02	0.04	0.02	0.01	0.02
Downstream	Period 4	medusa sp. d	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Downstream	Period 4	Cynoscion nebulosus preflexion larvae	result_m3	3	0.01	5.0e-02	0.05	0.03	0.05	0.02	0.00	0.04	0.02	0.01	0.05
Downstream	Period 4	Lupinoblennius nicholsi flexion larvae	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Downstream	Period 4	Menidia spp. juveniles	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Downstream	Period 4	lepidopterans, pyralid larvae	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Downstream	Period 4	Cynoscion arenarius flexion larvae	result_m3	3	0.01	6.0e-02	0.04	0.03	0.05	0.02	0.03	0.04	0.02	0.01	0.05
Downstream	Period 4	Syngnathus scovelli juveniles	result_m3	5	0.01	6.0e-02	0.04	0.03	0.04	0.02	0.02	0.04	0.02	0.01	0.02
Downstream	Period 4	medusa, Eutima sp.	result_m3	2	0.01	6.0e-02	0.03	0.02	0.04	0.02	0.03	0.03	0.03	0.02	0.27
Downstream	Period 4	Menidia spp. preflexion larvae	result_m3	3	0.01	6.0e-02	0.03	0.02	0.04	0.02	0.02	0.03	0.03	0.01	0.06
Downstream	Period 4	Clytia sp.	result_m3	2	0.03	4.0e-02	0.03	0.03	0.03	0.00	0.01	0.03	0.01	0.00	0.06
Downstream	Period 4	Hirudinea	result_m3	7	0.01	7.0e-02	0.03	0.02	0.04	0.02	0.02	0.03	0.02	0.01	0.02
Downstream	Period 4	Tortanus setacaudatus	result_m3	2	0.01	5.0e-02	0.03	0.02	0.04	0.02	0.03	0.03	0.03	0.02	0.25
Downstream	Period 4	ephemeropteran larvae	result_m3	2	0.01	5.0e-02	0.03	0.02	0.04	0.02	0.03	0.03	0.03	0.02	0.25
Downstream	Period 4	Anchoa mitchilli adults	result_m3	8	0.01	9.0e-02	0.01	0.01	0.03	0.02	0.00	0.03	0.03	0.01	0.02

Downstream	Period 4	Chasmodes saburrae flexion larvae	result_m3	2	0.01	4.0e-02	0.03	0.02	0.04	0.01	0.02	0.03	0.02	0.01	0.19
Downstream	Period 4	Trinectes maculatus juveniles	result_m3	4	0.01	6.0e-02	0.02	0.01	0.04	0.02	0.01	0.03	0.02	0.01	0.04
Downstream	Period 4	Bathygobius soporator flexion larvae	result_m3	3	0.01	6.0e-02	0.01	0.01	0.04	0.02	0.00	0.03	0.03	0.01	0.06
Downstream	Period 4	gastropods, opisthobranch	result_m3	3	0.01	4.0e-02	0.03	0.02	0.03	0.01	0.02	0.03	0.01	0.01	0.04
Downstream	Period 4	Menidia spp. flexion larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Downstream	Period 4	Microgobius gulosus juveniles	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Downstream	Period 4	Taphromysis bowmani	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Downstream	Period 4	medusa sp. b	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Downstream	Period 4	Gobiesox strumosus flexion larvae	result_m3	5	0.01	5.0e-02	0.01	0.01	0.04	0.03	0.00	0.03	0.02	0.01	0.02
Downstream	Period 4	hemipterans, corixid juveniles	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Downstream	Period 4	Lepisosteus sp. postflexion larvae	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Downstream	Period 4	Menticirrhus spp. preflexion larvae	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Downstream	Period 4	Mugil cephalus juveniles	result_m3	2	0.01	3.0e-02	0.02	0.02	0.03	0.01	0.01	0.02	0.01	0.01	0.11
Downstream	Period 4	Elops saurus postflexion larvae	result_m3	4	0.01	4.0e-02	0.01	0.01	0.02	0.01	0.00	0.02	0.01	0.01	0.02
Downstream	Period 4	Bairdiella chrysoura postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 4	Anchoa hepsetus juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 4	Brevoortia spp. metamorphs	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 4	Cynoscion arenarius juveniles	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 4	Hargeria rapax	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 4	Lolliguncula brevis juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 4	Menidia spp. postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 4	Rhithropanopeus harrisii juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 4	Archosargus probatocephalus postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 4	Bowmaniella dissimilis	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 4	Lepomis macrochirus juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 4	Mugil cephalus postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 4	Sphaeroma terebrans	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 4	Syngnathus louisianae juveniles	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 4	branchiurans, Argulus spp.	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 3	decapod zoeae	result_m3	168	0.03	1.5e+03	28.79	5.12	84.86	79.75	39.42	79.72	160.66	12.39	24.47
Downstream	Period 3	Acartia tonsa	result_m3	106	0.01	3.3e+02	1.21	0.06	12.11	12.05	1.76	11.54	34.02	3.30	6.55
Downstream	Period 3	Lucifer faxoni juveniles and adults	result_m3	68	0.01	1.3e+02	0.20	0.03	8.10	8.07	0.27	11.36	26.34	3.19	6.38
Downstream	Period 3	appendicularian, Oikopleura dioica	result_m3	24	0.01	1.3e+02	0.10	0.03	0.87	0.84	0.12	10.39	28.55	5.83	12.06
Downstream	Period 3	Gobiosoma spp. postflexion larvae	result_m3	76	0.01	1.7e+02	0.29	0.04	1.70	1.66	0.40	8.91	28.10	3.22	6.42
Downstream	Period 3	Lucifer faxoni mysis	result_m3	2	0.01	9.6e+00	4.80	2.41	7.19	4.78	7.09	4.80	6.77	4.78	60.80
Downstream	Period 3	Polychaeta	result_m3	139	0.01	3.2e+02	0.08	0.04	0.25	0.21	0.09	4.01	27.36	2.32	4.59
Downstream	Period 3	Americamysis almyra	result_m3	117	0.01	1.2e+02	0.23	0.06	0.97	0.91	0.32	3.35	13.20	1.22	2.42

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Downstream	Period 3	gobiid preflexion larvae	result_m3	101	0.01	5.7e+01	0.22	0.04	1.06	1.02	0.29	3.06	8.66	0.86	1.71
Downstream	Period 3	decapod megalopae	result_m3	100	0.01	1.7e+02	0.15	0.05	0.54	0.50	0.20	3.01	18.45	1.84	3.66
Downstream	Period 3	fish eggs, percomorph	result_m3	13	0.03	1.2e+01	0.06	0.04	1.36	1.32	0.04	2.48	4.27	1.18	2.58
Downstream	Period 3	Anchoa mitchilli juveniles	result_m3	135	0.01	2.1e+02	0.19	0.06	1.07	1.00	0.24	2.43	18.32	1.58	3.12
Downstream	Period 3	amphipods, gammaridean	result_m3	153	0.01	4.8e+01	0.42	0.16	1.19	1.03	0.50	2.16	6.20	0.50	0.99
Downstream	Period 3	gobiid flexion larvae	result_m3	62	0.01	4.3e+01	0.12	0.04	1.29	1.25	0.16	1.85	5.72	0.73	1.45
Downstream	Period 3	oligochaetes	result_m3	12	0.01	2.1e+01	0.06	0.02	0.21	0.18	0.06	1.85	5.89	1.70	3.74
Downstream	Period 3	unidentified Americamysis juveniles	result_m3	113	0.01	4.7e+01	0.28	0.08	1.24	1.16	0.35	1.84	5.15	0.48	0.96
Downstream	Period 3	Anchoa mitchilli postflexion larvae	result_m3	55	0.01	5.5e+01	0.13	0.04	0.35	0.31	0.16	1.83	7.61	1.03	2.06
Downstream	Period 3	amphipods, caprellid	result_m3	31	0.01	2.7e+01	0.11	0.05	0.90	0.85	0.15	1.65	4.89	0.88	1.79
Downstream	Period 3	chaetognaths, sagittid	result_m3	75	0.01	1.7e+01	0.19	0.05	1.32	1.28	0.26	1.53	3.00	0.35	0.69
Downstream	Period 3	Anchoa spp. preflexion larvae	result_m3	30	0.01	1.3e+01	0.20	0.03	0.82	0.78	0.27	1.43	3.14	0.57	1.17
Downstream	Period 3	decapod mysis	result_m3	151	0.01	4.1e+01	0.21	0.06	0.88	0.82	0.28	1.30	4.24	0.34	0.68
Downstream	Period 3	cumaceans	result_m3	116	0.01	2.1e+01	0.11	0.04	0.39	0.34	0.13	1.05	3.11	0.29	0.57
Downstream	Period 3	Labidocera aestiva	result_m3	51	0.01	1.1e+01	0.07	0.04	0.35	0.31	0.09	0.91	2.32	0.32	0.65
Downstream	Period 3	Clytia sp.	result_m3	26	0.01	1.0e+01	0.21	0.04	0.48	0.44	0.25	0.87	2.13	0.42	0.86
Downstream	Period 3	Microgobius spp. flexion larvae	result_m3	10	0.01	3.6e+00	0.27	0.02	1.40	1.38	0.38	0.87	1.16	0.37	0.83
Downstream	Period 3	Mnemiopsis mccradyi	result_m3	16	0.03	3.0e+00	0.61	0.07	0.98	0.90	0.80	0.83	0.89	0.22	0.47
Downstream	Period 3	Evadne tergestina	result_m3	5	0.01	2.8e+00	0.11	0.04	0.27	0.23	0.14	0.64	1.19	0.53	1.48
Downstream	Period 3	Edotea triloba	result_m3	129	0.01	1.5e+01	0.17	0.04	0.48	0.44	0.21	0.62	1.62	0.14	0.28
Downstream	Period 3	Microgobius spp. postflexion larvae	result_m3	32	0.01	7.1e+00	0.06	0.02	0.19	0.17	0.06	0.47	1.37	0.24	0.49
Downstream	Period 3	Anchoa spp. flexion larvae	result_m3	28	0.01	4.5e+00	0.11	0.04	0.28	0.23	0.13	0.40	0.89	0.17	0.35
Downstream	Period 3	alphaeid postlarvae	result_m3	28	0.01	4.5e+00	0.07	0.03	0.19	0.16	0.08	0.36	0.88	0.17	0.34
Downstream	Period 3	Palaemonetes spp. postlarvae	result_m3	85	0.01	7.4e+00	0.07	0.02	0.18	0.16	0.08	0.31	0.87	0.10	0.19
Downstream	Period 3	Pseudodiaptomus coronatus	result_m3	86	0.01	9.5e+00	0.08	0.03	0.23	0.20	0.09	0.29	1.06	0.12	0.23
Downstream	Period 3	cymothoid sp. a (Lironeca) juveniles	result_m3	136	0.01	1.7e+00	0.13	0.06	0.36	0.30	0.14	0.28	0.34	0.03	0.06
Downstream	Period 3	Upogebia spp. postlarvae	result_m3	16	0.01	1.2e+00	0.16	0.04	0.47	0.43	0.22	0.28	0.32	0.08	0.17
Downstream	Period 3	medusa sp. e	result_m3	13	0.01	1.6e+00	0.06	0.03	0.13	0.10	0.07	0.23	0.43	0.12	0.26
Downstream	Period 3	shrimps, unidentified postlarvae	result_m3	1	0.23	2.3e-01	0.23	0.23	0.23	0.00	0.00	0.23	NA	NA	NaN
Downstream	Period 3	Monstrilla sp.	result_m3	55	0.01	4.3e+00	0.05	0.03	0.15	0.12	0.06	0.21	0.60	0.08	0.16
Downstream	Period 3	Gobiesox strumosus juveniles	result_m3	16	0.01	6.2e-01	0.06	0.01	0.36	0.34	0.07	0.19	0.23	0.06	0.12
Downstream	Period 3	Parasterope pollex	result_m3	41	0.01	2.3e+00	0.05	0.03	0.11	0.08	0.05	0.16	0.37	0.06	0.12
Downstream	Period 3	Centropages velificatus	result_m3	7	0.01	4.2e-01	0.10	0.03	0.17	0.15	0.13	0.13	0.14	0.05	0.13
Downstream	Period 3	Brevoortia spp. postflexion larvae	result_m3	26	0.01	6.9e-01	0.04	0.03	0.13	0.11	0.03	0.12	0.17	0.03	0.07
Downstream	Period 3	nematodes	result_m3	21	0.01	3.8e-01	0.09	0.02	0.13	0.11	0.11	0.11	0.11	0.02	0.05
Downstream	Period 3	scyphozoan ephyrae	result_m3	1	0.11	1.1e-01	0.11	0.11	0.11	0.00	0.00	0.11	NA	NA	NaN
Downstream	Period 3	Americamysis bahia	result_m3	11	0.01	5.1e-01	0.04	0.01	0.15	0.13	0.04	0.10	0.15	0.04	0.10

Downstream	Period 3	clupeid eggs	result_m3	1	0.10	1.0e-01	0.10	0.10	0.10	0.00	0.00	0.10	NA	NA	NaN
Downstream	Period 3	Hippolyte zostericola postlarvae	result_m3	38	0.01	6.3e-01	0.05	0.02	0.09	0.07	0.05	0.10	0.14	0.02	0.04
Downstream	Period 3	Penilia avirostris	result_m3	5	0.01	2.6e-01	0.03	0.01	0.17	0.16	0.03	0.10	0.11	0.05	0.14
Downstream	Period 3	Gobiesox strumosus preflexion larvae	result_m3	57	0.01	5.0e-01	0.06	0.02	0.12	0.10	0.06	0.09	0.09	0.01	0.02
Downstream	Period 3	Upogebia spp. juveniles	result_m3	5	0.06	1.1e-01	0.08	0.06	0.10	0.04	0.03	0.08	0.02	0.01	0.03
Downstream	Period 3	blenniid preflexion larvae	result_m3	34	0.01	6.9e-01	0.03	0.01	0.06	0.05	0.03	0.08	0.15	0.03	0.05
Downstream	Period 3	Bairdiella chrysoura postflexion larvae	result_m3	2	0.04	1.1e-01	0.07	0.06	0.09	0.04	0.05	0.07	0.05	0.04	0.45
Downstream	Period 3	medusa, Eutima sp.	result_m3	7	0.01	2.8e-01	0.04	0.03	0.06	0.03	0.03	0.07	0.09	0.04	0.09
Downstream	Period 3	Hippolyte zostericola juveniles	result_m3	13	0.01	2.3e-01	0.05	0.03	0.10	0.08	0.06	0.07	0.07	0.02	0.04
Downstream	Period 3	Chrysaora quinquecirrha	result_m3	7	0.01	3.4e-01	0.01	0.01	0.05	0.04	0.00	0.07	0.12	0.05	0.11
Downstream	Period 3	Palaemon floridanus postlarvae	result_m3	7	0.03	1.3e-01	0.05	0.04	0.10	0.06	0.03	0.07	0.04	0.01	0.04
Downstream	Period 3	pelecypods	result_m3	21	0.01	6.3e-01	0.03	0.01	0.06	0.04	0.03	0.07	0.13	0.03	0.06
Downstream	Period 3	Chasmodes saburrae postflexion larvae	result_m3	2	0.03	1.0e-01	0.07	0.05	0.08	0.04	0.05	0.07	0.05	0.04	0.44
Downstream	Period 3	Gobiosoma bosc juveniles	result_m3	5	0.01	1.8e-01	0.03	0.02	0.10	0.08	0.02	0.07	0.07	0.03	0.09
Downstream	Period 3	dipterans, culicid larvae	result_m3	2	0.02	1.1e-01	0.06	0.04	0.09	0.04	0.06	0.06	0.06	0.04	0.52
Downstream	Period 3	Oithona spp.	result_m3	3	0.01	1.4e-01	0.04	0.03	0.09	0.06	0.04	0.06	0.07	0.04	0.16
Downstream	Period 3	Bathygobius soporator flexion larvae	result_m3	1	0.06	6.0e-02	0.06	0.06	0.06	0.00	0.00	0.06	NA	NA	NaN
Downstream	Period 3	cirriped nauplius stage	result_m3	10	0.01	1.3e-01	0.06	0.03	0.08	0.05	0.04	0.06	0.04	0.01	0.03
Downstream	Period 3	Gobiesox strumosus flexion larvae	result_m3	21	0.01	2.4e-01	0.05	0.04	0.07	0.03	0.03	0.06	0.05	0.01	0.02
Downstream	Period 3	Gobiesox strumosus postflexion larvae	result_m3	34	0.01	3.9e-01	0.03	0.02	0.07	0.05	0.03	0.06	0.08	0.01	0.03
Downstream	Period 3	gastropods, prosobranch	result_m3	35	0.01	3.0e-01	0.03	0.01	0.05	0.04	0.03	0.06	0.07	0.01	0.02
Downstream	Period 3	Ambidexter symmetricus juveniles	result_m3	3	0.03	9.0e-02	0.04	0.04	0.06	0.03	0.02	0.05	0.03	0.02	0.08
Downstream	Period 3	penaeid postlarvae	result_m3	10	0.01	1.8e-01	0.04	0.03	0.05	0.02	0.02	0.05	0.05	0.01	0.03
Downstream	Period 3	processid postlarvae	result_m3	6	0.02	1.1e-01	0.05	0.03	0.06	0.03	0.03	0.05	0.03	0.01	0.04
Downstream	Period 3	Aurelia aurita	result_m3	3	0.01	8.0e-02	0.07	0.04	0.07	0.03	0.01	0.05	0.03	0.02	0.09
Downstream	Period 3	Limulus polyphemus larvae	result_m3	10	0.03	9.0e-02	0.04	0.04	0.06	0.01	0.02	0.05	0.02	0.01	0.01
Downstream	Period 3	Pinnixa sayana juveniles	result_m3	6	0.01	1.5e-01	0.04	0.03	0.04	0.01	0.01	0.05	0.05	0.02	0.05
Downstream	Period 3	Trinectes maculatus postflexion larvae	result_m3	17	0.01	1.2e-01	0.04	0.02	0.07	0.04	0.04	0.05	0.03	0.01	0.02
Downstream	Period 3	Alpheus viridari juveniles	result_m3	1	0.05	5.0e-02	0.05	0.05	0.05	0.00	0.00	0.05	NA	NA	NaN
Downstream	Period 3	Callianassa sp. juveniles	result_m3	6	0.03	9.0e-02	0.04	0.04	0.06	0.02	0.02	0.05	0.02	0.01	0.02
Downstream	Period 3	Farfantepenaeus duorarum juveniles	result_m3	1	0.05	5.0e-02	0.05	0.05	0.05	0.00	0.00	0.05	NA	NA	NaN
Downstream	Period 3	gastropods, opisthobranch	result_m3	9	0.01	1.6e-01	0.03	0.02	0.05	0.03	0.02	0.05	0.05	0.02	0.04
Downstream	Period 3	Liriope tetraphylla	result_m3	7	0.01	1.8e-01	0.03	0.02	0.04	0.02	0.02	0.05	0.06	0.02	0.06
Downstream	Period 3	gerreid preflexion larvae	result_m3	1	0.05	5.0e-02	0.05	0.05	0.05	0.00	0.00	0.05	NA	NA	NaN
Downstream	Period 3	Chasmodes saburrae flexion larvae	result_m3	2	0.01	8.0e-02	0.05	0.03	0.06	0.03	0.05	0.05	0.05	0.03	0.42
Downstream	Period 3	Simocephalus vetulus	result_m3	1	0.05	5.0e-02	0.05	0.05	0.05	0.00	0.00	0.05	NA	NA	NaN
Downstream	Period 3	turbellarians	result_m3	1	0.05	5.0e-02	0.05	0.05	0.05	0.00	0.00	0.05	NA	NA	NaN

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Downstream	Period 3	Tozeuma carolinense juveniles	result_m3	2	0.03	6.0e-02	0.05	0.04	0.06	0.02	0.03	0.05	0.02	0.02	0.22
Downstream	Period 3	Trinectes maculatus preflexion larvae	result_m3	3	0.01	8.0e-02	0.04	0.03	0.06	0.03	0.04	0.05	0.03	0.02	0.08
Downstream	Period 3	Chloroscombrus chrysurus postflexion larvae	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Downstream	Period 3	Cynoscion arenarius preflexion larvae	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Downstream	Period 3	Cynoscion nebulosus juveniles	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Downstream	Period 3	Mesocyclops edax	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Downstream	Period 3	Petrolisthes armatus juveniles	result_m3	6	0.01	1.0e-01	0.04	0.03	0.04	0.01	0.01	0.04	0.03	0.01	0.03
Downstream	Period 3	Sphaeroma quadridentata	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Downstream	Period 3	Tozeuma carolinense postlarvae	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Downstream	Period 3	paguroid juveniles	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Downstream	Period 3	processid juveniles	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Downstream	Period 3	Sarsiella zostericola	result_m3	3	0.01	1.0e-01	0.02	0.01	0.06	0.04	0.01	0.04	0.05	0.03	0.12
Downstream	Period 3	brachiopod, Glottidia pyramidata larvae	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Downstream	Period 3	dipterans, chironomid larvae	result_m3	25	0.01	1.9e-01	0.03	0.02	0.05	0.03	0.02	0.04	0.04	0.01	0.02
Downstream	Period 3	paracalanids	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Downstream	Period 3	Centropages hamatus	result_m3	6	0.01	8.0e-02	0.04	0.02	0.05	0.03	0.03	0.04	0.03	0.01	0.03
Downstream	Period 3	Munna reynoldsi	result_m3	4	0.01	6.0e-02	0.05	0.04	0.05	0.01	0.01	0.04	0.02	0.01	0.03
Downstream	Period 3	Bathygobius soporator preflexion larvae	result_m3	5	0.01	8.0e-02	0.03	0.02	0.06	0.05	0.02	0.04	0.03	0.01	0.04
Downstream	Period 3	dipteran, Chaoborus punctipennis larvae	result_m3	4	0.01	9.0e-02	0.03	0.03	0.04	0.02	0.01	0.04	0.03	0.02	0.05
Downstream	Period 3	unidentified harpacticoids	result_m3	14	0.01	9.0e-02	0.03	0.02	0.05	0.04	0.03	0.04	0.03	0.01	0.02
Downstream	Period 3	Anchoa mitchilli adults	result_m3	39	0.01	1.3e-01	0.03	0.02	0.06	0.04	0.02	0.04	0.03	0.00	0.01
Downstream	Period 3	Brevoortia spp. metamorphs	result_m3	9	0.01	1.1e-01	0.01	0.01	0.06	0.05	0.00	0.04	0.04	0.01	0.03
Downstream	Period 3	Palaemonetes pugio adults	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Downstream	Period 3	Syngnathus scovelli juveniles	result_m3	13	0.01	1.4e-01	0.02	0.01	0.04	0.03	0.01	0.04	0.04	0.01	0.02
Downstream	Period 3	dipterans, muscid larvae	result_m3	2	0.01	6.0e-02	0.04	0.03	0.05	0.03	0.04	0.04	0.04	0.03	0.32
Downstream	Period 3	hemipterans, corixid adults	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Downstream	Period 3	Bairdiella chrysoura preflexion larvae	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Downstream	Period 3	Palaemonetes pugio juveniles	result_m3	22	0.01	1.1e-01	0.03	0.01	0.05	0.03	0.02	0.04	0.03	0.01	0.01
Downstream	Period 3	Spelaemopsis sp.	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Downstream	Period 3	Temora turbinata	result_m3	6	0.01	6.0e-02	0.04	0.02	0.05	0.03	0.03	0.04	0.02	0.01	0.02
Downstream	Period 3	paguroid megalops larvae	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Downstream	Period 3	Hargeria rapax	result_m3	15	0.01	9.0e-02	0.04	0.01	0.05	0.03	0.04	0.04	0.02	0.01	0.01
Downstream	Period 3	Trinectes maculatus juveniles	result_m3	17	0.01	1.1e-01	0.03	0.01	0.05	0.04	0.02	0.04	0.03	0.01	0.02
Downstream	Period 3	siphonostomatids	result_m3	47	0.01	1.7e-01	0.03	0.01	0.04	0.03	0.02	0.04	0.03	0.00	0.01
Downstream	Period 3	Anopsilana jonesi	result_m3	8	0.01	1.0e-01	0.01	0.01	0.05	0.03	0.00	0.03	0.03	0.01	0.03
Downstream	Period 3	Bairdiella chrysoura flexion larvae	result_m3	2	0.03	4.0e-02	0.03	0.03	0.04	0.01	0.01	0.03	0.01	0.01	0.10
Downstream	Period 3	Squilla empusa larvae	result_m3	13	0.01	8.0e-02	0.03	0.01	0.05	0.03	0.02	0.03	0.02	0.01	0.01

Downstream	Period 3	dipterans, pupae	result_m3	11	0.01	1.4e-01	0.02	0.01	0.03	0.02	0.01	0.03	0.04	0.01	0.03
Downstream	Period 3	medusa sp. b	result_m3	4	0.01	7.0e-02	0.02	0.02	0.04	0.02	0.01	0.03	0.03	0.01	0.04
Downstream	Period 3	Chloroscombrus chrysurus preflexion larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Downstream	Period 3	Anchoa mitchilli eggs	result_m3	2	0.01	5.0e-02	0.03	0.02	0.04	0.02	0.03	0.03	0.03	0.02	0.23
Downstream	Period 3	Rhithropanopeus harrisii juveniles	result_m3	7	0.01	6.0e-02	0.02	0.01	0.04	0.03	0.00	0.03	0.02	0.01	0.02
Downstream	Period 3	Syngnathus louisianae juveniles	result_m3	19	0.01	1.2e-01	0.02	0.01	0.03	0.01	0.00	0.03	0.03	0.01	0.01
Downstream	Period 3	Bathygobius soporator postflexion larvae	result_m3	3	0.01	4.0e-02	0.03	0.02	0.04	0.01	0.02	0.03	0.01	0.01	0.04
Downstream	Period 3	Cynoscion arenarius flexion larvae	result_m3	3	0.01	4.0e-02	0.03	0.02	0.04	0.01	0.02	0.03	0.02	0.01	0.04
Downstream	Period 3	Cynoscion arenarius postflexion larvae	result_m3	6	0.01	4.0e-02	0.03	0.02	0.04	0.02	0.02	0.03	0.01	0.01	0.01
Downstream	Period 3	Eugerres plumieri postflexion larvae	result_m3	2	0.01	4.0e-02	0.03	0.02	0.04	0.01	0.02	0.03	0.02	0.01	0.20
Downstream	Period 3	Leptochela serratorbita juveniles	result_m3	2	0.01	4.0e-02	0.03	0.02	0.04	0.01	0.02	0.03	0.02	0.01	0.19
Downstream	Period 3	Probopyrus sp. (attached)	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Downstream	Period 3	cladocerans, Daphnia spp.	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Downstream	Period 3	medusa sp. d	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Downstream	Period 3	Elops saurus postflexion larvae	result_m3	20	0.01	1.0e-01	0.02	0.01	0.03	0.01	0.01	0.03	0.02	0.00	0.01
Downstream	Period 3	Mugil cephalus juveniles	result_m3	5	0.01	6.0e-02	0.02	0.01	0.03	0.02	0.00	0.03	0.02	0.01	0.02
Downstream	Period 3	ostracods, podocopid	result_m3	7	0.01	5.0e-02	0.03	0.01	0.04	0.02	0.02	0.03	0.01	0.00	0.01
Downstream	Period 3	Harrieta faxoni	result_m3	8	0.01	5.0e-02	0.02	0.01	0.04	0.03	0.01	0.03	0.01	0.00	0.01
Downstream	Period 3	Lolliguncula brevis juveniles	result_m3	9	0.01	6.0e-02	0.02	0.01	0.03	0.02	0.02	0.03	0.01	0.00	0.01
Downstream	Period 3	Lucania parva postflexion larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Downstream	Period 3	Sinelobus stanfordi	result_m3	6	0.01	5.0e-02	0.02	0.01	0.04	0.02	0.00	0.03	0.02	0.01	0.02
Downstream	Period 3	Temora longicornis	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Downstream	Period 3	Sphaeroma terebrans	result_m3	4	0.01	4.0e-02	0.02	0.01	0.03	0.02	0.01	0.03	0.01	0.01	0.02
Downstream	Period 3	myodocopod sp. a	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Downstream	Period 3	Cassinidea ovalis	result_m3	15	0.01	6.0e-02	0.01	0.01	0.03	0.02	0.00	0.02	0.02	0.00	0.01
Downstream	Period 3	Eucyclops speratus	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Downstream	Period 3	Lagodon rhomboides juveniles	result_m3	2	0.02	3.0e-02	0.02	0.02	0.03	0.01	0.01	0.02	0.01	0.01	0.09
Downstream	Period 3	Menidia spp. postflexion larvae	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Downstream	Period 3	Menidia spp. preflexion larvae	result_m3	12	0.01	7.0e-02	0.01	0.01	0.03	0.01	0.00	0.02	0.02	0.00	0.01
Downstream	Period 3	Menticirrhus spp. preflexion larvae	result_m3	2	0.01	3.0e-02	0.02	0.02	0.03	0.01	0.01	0.02	0.01	0.01	0.12
Downstream	Period 3	Opsanus beta juveniles	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Downstream	Period 3	Cyclops sp.	result_m3	2	0.01	3.0e-02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.08
Downstream	Period 3	Erichsonella attenuata	result_m3	7	0.01	5.0e-02	0.02	0.01	0.02	0.00	0.00	0.02	0.01	0.00	0.01
Downstream	Period 3	branchiurans, Argulus spp.	result_m3	4	0.01	4.0e-02	0.02	0.01	0.02	0.01	0.00	0.02	0.01	0.01	0.02
Downstream	Period 3	unidentified freshwater cyclopoids	result_m3	3	0.01	3.0e-02	0.02	0.02	0.03	0.01	0.00	0.02	0.01	0.00	0.02
Downstream	Period 3	collembolas, podurid	result_m3	5	0.01	2.0e-02	0.02	0.02	0.02	0.01	0.00	0.02	0.01	0.00	0.01
Downstream	Period 3	Americamysis stucki	result_m3	2	0.01	3.0e-02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.07

Downstream	Period 3	lepidopterans, pyralid larvae	result_m3	3	0.01	3.0e-02	0.01	0.01	0.02	0.01	0.00	0.02	0.01	0.00	0.02
Downstream	Period 3	pycnogonids	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Downstream	Period 3	Calanopia americana	result_m3	3	0.01	3.0e-02	0.01	0.01	0.02	0.01	0.00	0.02	0.01	0.00	0.02
Downstream	Period 3	Brevoortia smithi juveniles	result_m3	4	0.01	3.0e-02	0.01	0.01	0.02	0.00	0.00	0.02	0.00	0.00	0.01
Downstream	Period 3	Hirudinea	result_m3	14	0.01	3.0e-02	0.01	0.01	0.01	0.00	0.00	0.02	0.01	0.00	0.00
Downstream	Period 3	foraminiferans	result_m3	2	0.01	2.0e-02	0.02	0.01	0.02	0.00	0.00	0.02	0.00	0.00	0.03
Downstream	Period 3	medusa, sp. g (like Rhopalonema wt/ top knob)	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Downstream	Period 3	Alteutha sp.	result_m3	3	0.01	2.0e-02	0.02	0.01	0.02	0.00	0.00	0.01	0.00	0.00	0.01
Downstream	Period 3	Anchoa hepsetus postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 3	Diaptomus sp.	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 3	Eucalanus sp.	result_m3	3	0.01	2.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 3	Gambusia holbrooki juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 3	Gobiosoma robustum juveniles	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Downstream	Period 3	Macrocyclus albidus	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 3	Menidia spp. flexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 3	Albula vulpes postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 3	Cynoscion arenarius juveniles	result_m3	3	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 3	Fundulus grandis postflexion larvae	result_m3	4	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 3	Saphirella spp.	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Downstream	Period 3	cirriped cypris stage	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 3	dipterans, tabanid larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 3	hemipterans, belostomatid adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 3	trichopteran larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 3	Fundulus spp. postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 3	Hippolyte zostericola adults	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 3	Labidesthes sicculus preflexion larvae	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Downstream	Period 3	Lepomis macrochirus juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 3	Lucania goodei postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 3	Ogyrides alphaerostis juveniles and adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 3	Oligoplites saurus juveniles	result_m3	3	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 3	isopod sp. a	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 3	Lupinoblennius nicholsi flexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 3	Lupinoblennius nicholsi postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 3	Menticirrhus spp. postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 3	Symphurus plagiusa juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 3	Trinectes maculatus adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 3	Trinectes maculatus flexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN

Downstream	Period 3	Labidesthes sicculus juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 2	decapod zoeae	result_m3	231	0.01	3.0e+03	52.67	4.03	127.12	123.09	74.40	142.55	307.12	20.21	39.81
Downstream	Period 2	Acartia tonsa	result_m3	148	0.01	1.3e+03	1.70	0.07	18.43	18.36	2.49	38.72	129.25	10.62	21.00
Downstream	Period 2	Clytia sp.	result_m3	92	0.01	1.2e+03	0.17	0.03	2.29	2.26	0.23	31.57	165.72	17.28	34.32
Downstream	Period 2	Americamysis almyra	result_m3	151	0.01	7.0e+02	0.44	0.07	2.94	2.87	0.62	21.25	80.34	6.54	12.92
Downstream	Period 2	fish eggs, percomorph	result_m3	37	0.01	1.4e+02	0.40	0.06	3.31	3.25	0.58	10.47	26.23	4.31	8.74
Downstream	Period 2	Liriope tetraphylla	result_m3	38	0.01	9.8e+01	1.55	0.03	12.27	12.24	2.28	8.54	17.44	2.83	5.73
Downstream	Period 2	Gobiosoma spp. postflexion larvae	result_m3	146	0.01	3.3e+02	0.25	0.06	2.03	1.97	0.33	7.11	35.27	2.92	5.77
Downstream	Period 2	unidentified Americamysis juveniles	result_m3	154	0.01	1.1e+02	0.31	0.05	3.79	3.74	0.44	6.90	16.57	1.33	2.64
Downstream	Period 2	decapod megalopae	result_m3	169	0.01	3.1e+02	0.23	0.05	1.24	1.19	0.30	6.32	28.25	2.17	4.29
Downstream	Period 2	amphipods, gammaridean	result_m3	200	0.01	5.5e+02	0.27	0.09	1.21	1.13	0.33	5.82	41.07	2.90	5.73
Downstream	Period 2	chaetognaths, sagittid	result_m3	117	0.01	5.4e+01	0.39	0.06	8.30	8.24	0.56	5.63	9.54	0.88	1.75
Downstream	Period 2	Evadne tergestina	result_m3	17	0.01	2.6e+01	0.07	0.03	0.62	0.59	0.07	4.16	8.56	2.08	4.40
Downstream	Period 2	decapod mysis	result_m3	210	0.01	1.0e+02	0.46	0.14	1.97	1.83	0.58	3.92	11.51	0.79	1.57
Downstream	Period 2	Labidocera aestiva	result_m3	83	0.01	6.4e+01	0.13	0.03	1.84	1.82	0.18	3.81	10.23	1.12	2.23
Downstream	Period 2	gobiid preflexion larvae	result_m3	165	0.01	7.5e+01	0.20	0.06	0.86	0.81	0.28	2.40	7.98	0.62	1.23
Downstream	Period 2	appendicularian, Oikopleura dioica	result_m3	32	0.01	3.5e+01	0.10	0.03	0.48	0.45	0.12	1.92	6.65	1.18	2.40
Downstream	Period 2	Polychaeta	result_m3	196	0.01	1.4e+02	0.13	0.05	0.42	0.37	0.15	1.56	10.09	0.72	1.42
Downstream	Period 2	brachiopod, Glottidia pyramidata larvae	result_m3	5	0.03	3.8e+00	0.10	0.03	2.46	2.43	0.11	1.28	1.74	0.78	2.16
Downstream	Period 2	Lucifer faxoni juveniles and adults	result_m3	47	0.01	3.1e+01	0.13	0.05	0.42	0.37	0.17	1.27	4.80	0.70	1.41
Downstream	Period 2	gobiid flexion larvae	result_m3	150	0.01	3.2e+01	0.20	0.06	0.93	0.87	0.26	1.25	3.37	0.28	0.54
Downstream	Period 2	Anchoa mitchilli juveniles	result_m3	186	0.01	9.4e+00	0.33	0.07	1.46	1.39	0.45	1.19	1.89	0.14	0.27
Downstream	Period 2	Anchoa spp. preflexion larvae	result_m3	65	0.01	1.3e+01	0.12	0.05	0.48	0.42	0.15	0.89	2.10	0.26	0.52
Downstream	Period 2	Parasterope pollex	result_m3	36	0.01	1.6e+01	0.03	0.01	0.05	0.03	0.02	0.86	3.46	0.58	1.17
Downstream	Period 2	cumaceans	result_m3	122	0.01	1.3e+01	0.13	0.04	0.57	0.54	0.17	0.85	2.02	0.18	0.36
Downstream	Period 2	Edotea triloba	result_m3	176	0.01	8.6e+00	0.16	0.06	0.53	0.47	0.18	0.68	1.38	0.10	0.20
Downstream	Period 2	Gobiesox strumosus postflexion larvae	result_m3	38	0.01	1.9e+01	0.05	0.02	0.12	0.10	0.06	0.65	3.04	0.49	1.00
Downstream	Period 2	Mnemiopsis mccradyi	result_m3	21	0.01	5.3e+00	0.20	0.11	0.70	0.59	0.26	0.63	1.17	0.25	0.53
Downstream	Period 2	gerreid preflexion larvae	result_m3	1	0.63	6.3e-01	0.63	0.63	0.63	0.00	0.00	0.63	NA	NA	NaN
Downstream	Period 2	Palaemonetes spp. postlarvae	result_m3	112	0.01	6.2e+00	0.15	0.03	0.54	0.51	0.20	0.58	1.05	0.10	0.20
Downstream	Period 2	Anchoa mitchilli postflexion larvae	result_m3	66	0.01	8.9e+00	0.09	0.03	0.43	0.41	0.11	0.57	1.46	0.18	0.36
Downstream	Period 2	Anchoa mitchilli eggs	result_m3	12	0.01	2.9e+00	0.14	0.04	0.66	0.62	0.19	0.57	0.89	0.26	0.56
Downstream	Period 2	Pinnixa sayana juveniles	result_m3	47	0.01	7.0e+00	0.05	0.03	0.19	0.16	0.06	0.55	1.48	0.22	0.43
Downstream	Period 2	Anchoa spp. flexion larvae	result_m3	64	0.01	5.4e+00	0.11	0.04	0.49	0.45	0.15	0.49	0.97	0.12	0.24
Downstream	Period 2	Anchoa hepsetus postflexion larvae	result_m3	1	0.49	4.9e-01	0.49	0.49	0.49	0.00	0.00	0.49	NA	NA	NaN
Downstream	Period 2	cymothoid sp. a (Lironeca) juveniles	result_m3	182	0.01	3.2e+00	0.17	0.06	0.49	0.44	0.21	0.36	0.47	0.04	0.07
Downstream	Period 2	xanthid juveniles	result_m3	9	0.01	3.0e+00	0.03	0.01	0.03	0.02	0.02	0.36	1.00	0.33	0.77

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Downstream	Period 2	Lysmata sp. juveniles	result_m3	1	0.33	3.3e-01	0.33	0.33	0.33	0.00	0.00	0.33	NA	NA	NaN
Downstream	Period 2	Microgobius spp. postflexion larvae	result_m3	80	0.01	6.7e+00	0.07	0.03	0.17	0.14	0.08	0.30	0.99	0.11	0.22
Downstream	Period 2	amphipods, caprellid	result_m3	53	0.01	7.3e+00	0.07	0.03	0.18	0.16	0.08	0.29	1.01	0.14	0.28
Downstream	Period 2	Pseudodiaptomus coronatus	result_m3	107	0.01	1.1e+01	0.06	0.02	0.19	0.17	0.07	0.28	1.09	0.10	0.21
Downstream	Period 2	Cyclops sp.	result_m3	16	0.01	2.0e+00	0.03	0.01	0.15	0.14	0.02	0.26	0.56	0.14	0.30
Downstream	Period 2	Erichsonella attenuata	result_m3	15	0.01	1.2e+00	0.04	0.03	0.31	0.29	0.04	0.25	0.36	0.09	0.20
Downstream	Period 2	alphaeid postlarvae	result_m3	38	0.01	1.9e+00	0.08	0.03	0.40	0.36	0.10	0.24	0.37	0.06	0.12
Downstream	Period 2	unidentified harpacticoids	result_m3	17	0.01	3.0e+00	0.01	0.01	0.01	0.00	0.00	0.19	0.73	0.18	0.38
Downstream	Period 2	Gobiesox strumosus flexion larvae	result_m3	48	0.01	1.4e+00	0.07	0.04	0.20	0.17	0.08	0.19	0.30	0.04	0.09
Downstream	Period 2	Gobiesox strumosus preflexion larvae	result_m3	67	0.01	5.5e+00	0.03	0.01	0.09	0.07	0.03	0.17	0.68	0.08	0.17
Downstream	Period 2	Monstrilla sp.	result_m3	64	0.01	2.1e+00	0.04	0.03	0.18	0.15	0.04	0.17	0.32	0.04	0.08
Downstream	Period 2	Petrolisthes armatus juveniles	result_m3	26	0.01	1.6e+00	0.05	0.03	0.14	0.11	0.05	0.17	0.32	0.06	0.13
Downstream	Period 2	Limulus polyphemus larvae	result_m3	28	0.01	1.9e+00	0.04	0.01	0.18	0.17	0.04	0.15	0.36	0.07	0.14
Downstream	Period 2	medusa, sp. f (28 long, slender tentacles)	result_m3	1	0.14	1.4e-01	0.14	0.14	0.14	0.00	0.00	0.14	NA	NA	NaN
Downstream	Period 2	processid postlarvae	result_m3	1	0.14	1.4e-01	0.14	0.14	0.14	0.00	0.00	0.14	NA	NA	NaN
Downstream	Period 2	Chloroscombrus chrysurus juveniles	result_m3	2	0.06	1.8e-01	0.12	0.09	0.15	0.06	0.09	0.12	0.08	0.06	0.75
Downstream	Period 2	Microgobius spp. flexion larvae	result_m3	35	0.01	9.9e-01	0.04	0.03	0.07	0.04	0.03	0.11	0.23	0.04	0.08
Downstream	Period 2	Cynoscion arenarius flexion larvae	result_m3	11	0.01	7.8e-01	0.04	0.02	0.08	0.06	0.05	0.11	0.22	0.07	0.15
Downstream	Period 2	Gobiesox strumosus juveniles	result_m3	59	0.01	7.2e-01	0.04	0.02	0.12	0.10	0.04	0.11	0.16	0.02	0.04
Downstream	Period 2	gastropods, prosobranch	result_m3	41	0.01	2.9e+00	0.01	0.01	0.06	0.04	0.00	0.11	0.45	0.07	0.14
Downstream	Period 2	cirriped nauplius stage	result_m3	11	0.01	4.5e-01	0.05	0.03	0.15	0.12	0.05	0.11	0.13	0.04	0.09
Downstream	Period 2	nematodes	result_m3	15	0.01	1.1e+00	0.02	0.01	0.04	0.02	0.01	0.11	0.27	0.07	0.15
Downstream	Period 2	Bowmaniella dissimilis	result_m3	23	0.01	1.0e+00	0.03	0.01	0.10	0.08	0.02	0.11	0.21	0.04	0.09
Downstream	Period 2	Chloroscombrus chrysurus postflexion larvae	result_m3	2	0.01	2.0e-01	0.10	0.06	0.15	0.09	0.14	0.10	0.13	0.09	1.16
Downstream	Period 2	Cyprinodon variegatus eggs	result_m3	3	0.02	2.4e-01	0.05	0.03	0.14	0.11	0.04	0.10	0.12	0.07	0.31
Downstream	Period 2	medusa sp. b	result_m3	12	0.01	6.2e-01	0.03	0.02	0.09	0.07	0.02	0.10	0.17	0.05	0.11
Downstream	Period 2	Cynoscion arenarius preflexion larvae	result_m3	13	0.01	5.1e-01	0.04	0.03	0.07	0.04	0.03	0.09	0.14	0.04	0.09
Downstream	Period 2	Hippolyte zostericola postlarvae	result_m3	8	0.01	2.5e-01	0.02	0.01	0.12	0.11	0.01	0.08	0.10	0.03	0.08
Downstream	Period 2	Trinectes maculatus postflexion larvae	result_m3	44	0.01	3.1e-01	0.06	0.03	0.09	0.06	0.05	0.08	0.07	0.01	0.02
Downstream	Period 2	alphaeid juveniles	result_m3	2	0.01	1.4e-01	0.07	0.04	0.10	0.06	0.09	0.07	0.09	0.06	0.77
Downstream	Period 2	blenniid preflexion larvae	result_m3	49	0.01	6.1e-01	0.03	0.01	0.06	0.04	0.02	0.07	0.11	0.02	0.03
Downstream	Period 2	Ergasilus sp.	result_m3	7	0.01	1.9e-01	0.07	0.01	0.10	0.09	0.08	0.07	0.07	0.03	0.06
Downstream	Period 2	Chasmodes saburrae flexion larvae	result_m3	21	0.01	2.9e-01	0.04	0.02	0.08	0.06	0.03	0.07	0.08	0.02	0.04
Downstream	Period 2	Brevoortia smithi juveniles	result_m3	1	0.07	7.0e-02	0.07	0.07	0.07	0.00	0.00	0.07	NA	NA	NaN
Downstream	Period 2	Chrysaora quinquecirrha	result_m3	22	0.01	2.7e-01	0.04	0.02	0.10	0.08	0.04	0.07	0.07	0.01	0.03
Downstream	Period 2	Rhithropanopeus harrisi juveniles	result_m3	3	0.01	1.8e-01	0.01	0.01	0.10	0.09	0.00	0.07	0.10	0.06	0.25
Downstream	Period 2	Chasmodes saburrae postflexion larvae	result_m3	22	0.01	4.1e-01	0.03	0.02	0.07	0.05	0.02	0.07	0.09	0.02	0.04

Downstream	Period 2	Bathygobius soporator postflexion larvae	result_m3	5	0.01	1.8e-01	0.03	0.01	0.07	0.05	0.02	0.06	0.07	0.03	0.09
Downstream	Period 2	Bathygobius soporator flexion larvae	result_m3	18	0.01	2.2e-01	0.05	0.03	0.06	0.04	0.03	0.06	0.05	0.01	0.03
Downstream	Period 2	Gobiosoma bosc juveniles	result_m3	3	0.01	1.3e-01	0.03	0.02	0.08	0.06	0.02	0.06	0.06	0.04	0.16
Downstream	Period 2	pelecypods	result_m3	30	0.01	3.4e-01	0.03	0.01	0.06	0.04	0.03	0.06	0.08	0.01	0.03
Downstream	Period 2	Gobiosoma robustum juveniles	result_m3	21	0.01	3.4e-01	0.01	0.01	0.04	0.03	0.00	0.05	0.09	0.02	0.04
Downstream	Period 2	dipteran, Chaoborus punctipennis larvae	result_m3	7	0.01	1.4e-01	0.03	0.02	0.07	0.05	0.02	0.05	0.05	0.02	0.05
Downstream	Period 2	oligochaetes	result_m3	15	0.01	2.6e-01	0.03	0.01	0.04	0.03	0.02	0.05	0.07	0.02	0.04
Downstream	Period 2	Bairdiella chrysoura preflexion larvae	result_m3	1	0.05	5.0e-02	0.05	0.05	0.05	0.00	0.00	0.05	NA	NA	NaN
Downstream	Period 2	Branchiostoma floridae	result_m3	2	0.04	5.0e-02	0.05	0.05	0.05	0.00	0.01	0.05	0.01	0.00	0.06
Downstream	Period 2	Squilla empusa larvae	result_m3	30	0.01	2.9e-01	0.03	0.01	0.05	0.03	0.02	0.05	0.06	0.01	0.02
Downstream	Period 2	Upogebia spp. postlarvae	result_m3	12	0.01	1.0e-01	0.04	0.02	0.07	0.04	0.03	0.05	0.03	0.01	0.02
Downstream	Period 2	Bathygobius soporator preflexion larvae	result_m3	24	0.01	3.5e-01	0.03	0.01	0.05	0.03	0.03	0.05	0.07	0.01	0.03
Downstream	Period 2	Trinectes maculatus flexion larvae	result_m3	18	0.01	1.4e-01	0.03	0.01	0.07	0.06	0.03	0.05	0.04	0.01	0.02
Downstream	Period 2	Brevoortia spp. postflexion larvae	result_m3	14	0.01	1.6e-01	0.03	0.01	0.06	0.05	0.02	0.05	0.05	0.01	0.03
Downstream	Period 2	Centropages hamatus	result_m3	2	0.04	5.0e-02	0.04	0.04	0.05	0.01	0.01	0.04	0.01	0.01	0.09
Downstream	Period 2	Anchoa hepsetus juveniles	result_m3	5	0.01	9.0e-02	0.01	0.01	0.09	0.07	0.00	0.04	0.04	0.02	0.05
Downstream	Period 2	Tilapia spp. postflexion larvae	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Downstream	Period 2	Upogebia spp. juveniles	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Downstream	Period 2	Periclimenes spp. postlarvae	result_m3	9	0.01	9.0e-02	0.04	0.03	0.05	0.02	0.02	0.04	0.02	0.01	0.02
Downstream	Period 2	dipterans, pupae	result_m3	9	0.01	1.2e-01	0.03	0.01	0.05	0.04	0.02	0.04	0.04	0.01	0.03
Downstream	Period 2	hemichordate larvae	result_m3	3	0.03	5.0e-02	0.04	0.03	0.04	0.01	0.01	0.04	0.01	0.01	0.03
Downstream	Period 2	Lolliguncula brevis juveniles	result_m3	14	0.01	1.0e-01	0.03	0.01	0.05	0.03	0.03	0.04	0.03	0.01	0.02
Downstream	Period 2	Menidia spp. juveniles	result_m3	4	0.01	7.0e-02	0.03	0.01	0.05	0.04	0.03	0.04	0.03	0.01	0.05
Downstream	Period 2	Menidia spp. postflexion larvae	result_m3	2	0.03	4.0e-02	0.04	0.03	0.04	0.01	0.01	0.04	0.01	0.01	0.09
Downstream	Period 2	ostracods, podocopid	result_m3	18	0.01	2.3e-01	0.01	0.01	0.03	0.02	0.00	0.04	0.06	0.01	0.03
Downstream	Period 2	Trinectes maculatus preflexion larvae	result_m3	7	0.01	1.0e-01	0.03	0.01	0.04	0.02	0.02	0.04	0.03	0.01	0.03
Downstream	Period 2	branchiurans, Argulus spp.	result_m3	4	0.01	1.0e-01	0.01	0.01	0.04	0.02	0.00	0.03	0.04	0.02	0.07
Downstream	Period 2	dipterans, chironomid larvae	result_m3	16	0.01	1.2e-01	0.02	0.01	0.05	0.04	0.01	0.03	0.03	0.01	0.02
Downstream	Period 2	Anchoa mitchilli adults	result_m3	49	0.01	3.2e-01	0.01	0.01	0.03	0.01	0.00	0.03	0.05	0.01	0.02
Downstream	Period 2	Syngnathus louisianae juveniles	result_m3	35	0.01	1.5e-01	0.02	0.01	0.04	0.03	0.01	0.03	0.03	0.00	0.01
Downstream	Period 2	Ambidexter symmetricus postlarvae	result_m3	4	0.01	9.0e-02	0.01	0.01	0.03	0.02	0.00	0.03	0.04	0.02	0.06
Downstream	Period 2	Munna reynoldsi	result_m3	3	0.03	4.0e-02	0.03	0.03	0.03	0.01	0.00	0.03	0.01	0.00	0.02
Downstream	Period 2	Sinelobus stanfordi	result_m3	11	0.01	2.0e-01	0.01	0.01	0.02	0.01	0.00	0.03	0.06	0.02	0.04
Downstream	Period 2	shrimps, unidentified postlarvae	result_m3	2	0.01	5.0e-02	0.03	0.02	0.04	0.02	0.03	0.03	0.03	0.02	0.23
Downstream	Period 2	Craspedacusta sowerbii	result_m3	3	0.01	6.0e-02	0.02	0.02	0.04	0.02	0.01	0.03	0.03	0.01	0.06
Downstream	Period 2	siphonostomatids	result_m3	45	0.01	1.1e-01	0.02	0.01	0.04	0.03	0.01	0.03	0.03	0.00	0.01
Downstream	Period 2	Lupinoblennius nicholsi flexion larvae	result_m3	3	0.01	4.0e-02	0.03	0.02	0.04	0.02	0.02	0.03	0.02	0.01	0.04

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Downstream	Period 2	Menidia spp. preflexion larvae	result_m3	18	0.01	1.1e-01	0.01	0.01	0.04	0.03	0.00	0.03	0.03	0.01	0.01
Downstream	Period 2	Saphirella spp.	result_m3	2	0.01	4.0e-02	0.03	0.02	0.04	0.01	0.02	0.03	0.02	0.01	0.17
Downstream	Period 2	paracalanids	result_m3	2	0.01	4.0e-02	0.03	0.02	0.04	0.02	0.02	0.03	0.02	0.02	0.21
Downstream	Period 2	Palaemonetes pugio juveniles	result_m3	32	0.01	1.0e-01	0.02	0.01	0.03	0.02	0.01	0.03	0.02	0.00	0.01
Downstream	Period 2	Sarsiella zostericola	result_m3	9	0.01	9.0e-02	0.01	0.01	0.03	0.02	0.00	0.03	0.03	0.01	0.02
Downstream	Period 2	Cynoscion arenarius postflexion larvae	result_m3	7	0.02	4.0e-02	0.03	0.02	0.03	0.01	0.01	0.03	0.01	0.00	0.01
Downstream	Period 2	Palaemonetes pugio adults	result_m3	17	0.01	1.4e-01	0.01	0.01	0.03	0.01	0.00	0.03	0.03	0.01	0.02
Downstream	Period 2	Lupinoblennius nicholsi postflexion larvae	result_m3	5	0.01	4.0e-02	0.03	0.01	0.03	0.02	0.02	0.03	0.01	0.01	0.02
Downstream	Period 2	Alteutha sp.	result_m3	12	0.01	7.0e-02	0.01	0.01	0.03	0.02	0.00	0.03	0.02	0.00	0.01
Downstream	Period 2	Microgobius gulosus juveniles	result_m3	10	0.01	6.0e-02	0.01	0.01	0.03	0.01	0.00	0.03	0.02	0.00	0.01
Downstream	Period 2	Syngnathus scovelli juveniles	result_m3	36	0.01	1.5e-01	0.01	0.01	0.02	0.01	0.00	0.03	0.03	0.00	0.01
Downstream	Period 2	Cassidinidea ovalis	result_m3	19	0.01	7.0e-02	0.01	0.01	0.03	0.01	0.00	0.02	0.02	0.00	0.01
Downstream	Period 2	Anopsilana jonesi	result_m3	9	0.01	7.0e-02	0.02	0.01	0.03	0.01	0.01	0.02	0.02	0.01	0.01
Downstream	Period 2	Dormitator maculatus postflexion larvae	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Downstream	Period 2	Hargeria rapax	result_m3	13	0.01	5.0e-02	0.01	0.01	0.03	0.02	0.00	0.02	0.01	0.00	0.01
Downstream	Period 2	Fundulus grandis postflexion larvae	result_m3	8	0.01	5.0e-02	0.02	0.01	0.03	0.01	0.01	0.02	0.01	0.00	0.01
Downstream	Period 2	Sphaeroma terebrans	result_m3	25	0.01	1.2e-01	0.01	0.01	0.02	0.01	0.00	0.02	0.02	0.00	0.01
Downstream	Period 2	Tozeuma carolinense postlarvae	result_m3	2	0.01	3.0e-02	0.02	0.02	0.03	0.01	0.01	0.02	0.01	0.01	0.12
Downstream	Period 2	gobiid eggs	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Downstream	Period 2	Diaptomus sp.	result_m3	7	0.01	5.0e-02	0.01	0.01	0.03	0.01	0.00	0.02	0.01	0.00	0.01
Downstream	Period 2	gastropods, opisthobranch	result_m3	5	0.01	3.0e-02	0.02	0.01	0.03	0.01	0.01	0.02	0.01	0.00	0.01
Downstream	Period 2	Americamysis bahia	result_m3	2	0.01	3.0e-02	0.02	0.02	0.02	0.00	0.01	0.02	0.01	0.00	0.07
Downstream	Period 2	cymothoid sp. b juveniles	result_m3	2	0.01	3.0e-02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.10
Downstream	Period 2	Harrieta faxoni	result_m3	6	0.01	3.0e-02	0.01	0.01	0.02	0.01	0.00	0.02	0.01	0.00	0.01
Downstream	Period 2	Menticirrhus spp. preflexion larvae	result_m3	3	0.01	3.0e-02	0.01	0.01	0.02	0.01	0.00	0.02	0.01	0.00	0.02
Downstream	Period 2	Brevoortia spp. metamorphs	result_m3	17	0.01	5.0e-02	0.01	0.01	0.01	0.00	0.00	0.02	0.01	0.00	0.01
Downstream	Period 2	Cyathura polita	result_m3	4	0.01	3.0e-02	0.02	0.01	0.02	0.01	0.00	0.02	0.01	0.00	0.01
Downstream	Period 2	Cynoscion nebulosus flexion larvae	result_m3	4	0.01	3.0e-02	0.01	0.01	0.02	0.00	0.00	0.02	0.01	0.00	0.01
Downstream	Period 2	Menticirrhus spp. postflexion larvae	result_m3	3	0.01	3.0e-02	0.02	0.01	0.02	0.01	0.00	0.02	0.01	0.00	0.02
Downstream	Period 2	pycnogonids	result_m3	4	0.01	2.0e-02	0.02	0.01	0.02	0.00	0.00	0.02	0.00	0.00	0.01
Downstream	Period 2	Trinectes maculatus juveniles	result_m3	9	0.01	5.0e-02	0.01	0.01	0.01	0.00	0.00	0.02	0.01	0.00	0.01
Downstream	Period 2	Calanopia americana	result_m3	3	0.01	2.0e-02	0.01	0.01	0.02	0.01	0.00	0.02	0.01	0.00	0.01
Downstream	Period 2	Menidia spp. eggs	result_m3	4	0.01	2.0e-02	0.01	0.01	0.02	0.00	0.00	0.02	0.00	0.00	0.01
Downstream	Period 2	Microgobius thalassinus juveniles	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Downstream	Period 2	Achirus lineatus flexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 2	Achirus lineatus postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 2	Achirus lineatus preflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN

Downstream	Period 2	Americamysis stucki	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 2	Beroe ovata	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 2	Cynoscion arenarius juveniles	result_m3	3	0.01	2.0e-02	0.01	0.01	0.02	0.00	0.00	0.01	0.01	0.00	0.01
Downstream	Period 2	Elops saurus postflexion larvae	result_m3	14	0.01	3.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 2	Eurypanopeus depressus adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 2	Hypsoblennius spp. postflexion larvae	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 2	Menticirrhus spp. flexion larvae	result_m3	2	0.01	2.0e-02	0.01	0.01	0.02	0.00	0.00	0.01	0.00	0.00	0.01
Downstream	Period 2	Microgobius gulosus adults	result_m3	2	0.01	2.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.02
Downstream	Period 2	Penilia avirostris	result_m3	2	0.01	2.0e-02	0.01	0.01	0.02	0.00	0.00	0.01	0.00	0.00	0.02
Downstream	Period 2	cirriped cypris stage	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 2	medusa sp. c	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 2	sipunculids	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 2	thaliaceans	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 2	turbellarians	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 2	Anchoa cubana juveniles	result_m3	2	0.01	2.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.02
Downstream	Period 2	Centropages velificatus	result_m3	4	0.01	2.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 2	Gambusia holbrooki juveniles	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.02
Downstream	Period 2	Hippocampus erectus juveniles	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Downstream	Period 2	Hypsoblennius spp. flexion larvae	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Downstream	Period 2	Menidia spp. flexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 2	Oligoplites saurus juveniles	result_m3	4	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 2	Rhithropanopeus harrisii adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 2	Sphaeroma quadridentata	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 2	Temora turbinata	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Downstream	Period 2	medusa sp. a	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Downstream	Period 2	paguroid juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 2	Cynoscion nebulosus postflexion larvae	result_m3	3	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 2	Cynoscion nebulosus preflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 2	Cyprinodon variegatus postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 2	Hirudinea	result_m3	6	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 2	Ilyocypris sp.	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 2	Lagodon rhomboides juveniles	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 2	Lucania parva adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 2	Membras martinica juveniles	result_m3	5	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 2	Microgobius thalassinus adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 2	Ogyrides alphaerostis juveniles and adults	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Downstream	Period 2	Oithona spp.	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN

Downstream	Period 2	Syngnathus scovelli adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 2	penaeid metamorphs	result_m3	3	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 2	Bairdiella chrysoura postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 2	Mugil cephalus juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 2	Opsanus beta adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 2	coleopterans, curculionid adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 2	cymothoid sp. c juveniles	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 2	gerreid postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 2	isopod sp. a	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 2	collembolas, podurid	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 1	decapod zoeae	result_m3	122	0.01	1.4e+03	8.65	2.37	78.54	76.17	11.99	97.53	225.38	20.41	40.40
Downstream	Period 1	Clytia sp.	result_m3	66	0.01	1.4e+03	3.39	0.39	42.72	42.33	4.97	88.39	235.22	28.95	57.82
Downstream	Period 1	unidentified calanoids	result_m3	22	0.02	1.3e+02	6.13	1.54	37.82	36.28	9.03	24.50	33.98	7.24	15.07
Downstream	Period 1	Americamysis almyra	result_m3	87	0.01	2.9e+02	1.00	0.12	6.78	6.65	1.42	10.67	38.03	4.08	8.11
Downstream	Period 1	amphipods, gammaridean	result_m3	103	0.01	5.3e+02	0.37	0.10	1.83	1.73	0.48	7.85	52.24	5.15	10.21
Downstream	Period 1	Acartia tonsa	result_m3	57	0.01	8.5e+01	1.17	0.08	6.46	6.38	1.67	7.35	16.74	2.22	4.44
Downstream	Period 1	Mnemiopsis mccradyi	result_m3	13	0.01	1.5e+01	5.48	0.71	11.28	10.57	8.05	6.80	5.55	1.54	3.35
Downstream	Period 1	decapod megalopae	result_m3	71	0.01	9.8e+01	0.38	0.06	2.15	2.09	0.55	6.26	16.32	1.94	3.86
Downstream	Period 1	chaetognaths, sagittid	result_m3	105	0.01	8.2e+01	0.26	0.10	1.57	1.47	0.36	3.14	10.48	1.02	2.03
Downstream	Period 1	decapod mysis	result_m3	102	0.01	4.6e+01	0.75	0.14	2.53	2.40	0.98	2.70	5.98	0.59	1.18
Downstream	Period 1	Anchoa mitchilli juveniles	result_m3	108	0.01	3.2e+01	0.98	0.19	3.54	3.35	1.33	2.69	4.81	0.46	0.92
Downstream	Period 1	unidentified Americamysis juveniles	result_m3	77	0.01	4.5e+01	0.19	0.04	1.58	1.54	0.26	2.53	7.13	0.81	1.62
Downstream	Period 1	Labidocera aestiva	result_m3	37	0.01	4.8e+01	0.12	0.01	0.56	0.54	0.16	2.25	8.13	1.34	2.71
Downstream	Period 1	Gobiosoma spp. postflexion larvae	result_m3	72	0.01	6.0e+01	0.16	0.06	0.67	0.61	0.22	2.18	8.81	1.04	2.07
Downstream	Period 1	paracalanids	result_m3	9	0.03	9.3e+00	0.17	0.07	1.14	1.07	0.18	1.79	3.23	1.08	2.48
Downstream	Period 1	cumaceans	result_m3	63	0.01	2.5e+01	0.12	0.04	1.06	1.02	0.16	1.63	4.14	0.52	1.04
Downstream	Period 1	Anchoa spp. preflexion larvae	result_m3	41	0.01	8.4e+00	0.10	0.03	1.47	1.44	0.14	1.10	2.05	0.32	0.65
Downstream	Period 1	gobiid preflexion larvae	result_m3	71	0.01	1.6e+01	0.22	0.05	0.70	0.65	0.28	1.01	2.32	0.28	0.55
Downstream	Period 1	alphaeid postlarvae	result_m3	27	0.01	9.7e+00	0.06	0.03	0.37	0.34	0.07	0.79	1.98	0.38	0.78
Downstream	Period 1	Palaemonetes spp. postlarvae	result_m3	83	0.01	1.5e+01	0.09	0.04	0.38	0.35	0.12	0.70	1.97	0.22	0.43
Downstream	Period 1	Brevoortia spp. metamorphs	result_m3	22	0.01	5.8e+00	0.06	0.02	0.82	0.80	0.08	0.67	1.30	0.28	0.58
Downstream	Period 1	cymothoid sp. a (Lironeca) juveniles	result_m3	121	0.01	3.2e+00	0.43	0.16	1.03	0.87	0.49	0.67	0.69	0.06	0.12
Downstream	Period 1	Anchoa spp. flexion larvae	result_m3	44	0.01	8.6e+00	0.10	0.07	0.30	0.23	0.11	0.63	1.46	0.22	0.44
Downstream	Period 1	gobiid flexion larvae	result_m3	75	0.01	1.0e+01	0.17	0.06	0.42	0.36	0.20	0.60	1.44	0.17	0.33
Downstream	Period 1	amphipods, caprellid	result_m3	24	0.01	3.0e+00	0.08	0.03	0.70	0.67	0.10	0.52	0.84	0.17	0.36
Downstream	Period 1	Lucifer faxoni juveniles and adults	result_m3	50	0.01	6.6e+00	0.12	0.04	0.26	0.21	0.13	0.52	1.20	0.17	0.34
Downstream	Period 1	Pseudodiaptomus coronatus	result_m3	38	0.01	4.2e+00	0.04	0.02	0.07	0.04	0.02	0.50	1.19	0.19	0.39

Downstream	Period 1	Anchoa mitchilli postflexion larvae	result_m3	45	0.01	4.8e+00	0.11	0.03	0.31	0.28	0.12	0.49	1.03	0.15	0.31
Downstream	Period 1	Evadne tergestina	result_m3	4	0.09	1.2e+00	0.28	0.10	0.65	0.55	0.27	0.47	0.53	0.26	0.84
Downstream	Period 1	Microgobius spp. postflexion larvae	result_m3	37	0.01	5.8e+00	0.08	0.01	0.36	0.34	0.10	0.46	1.10	0.18	0.37
Downstream	Period 1	Alteutha sp.	result_m3	1	0.33	3.3e-01	0.33	0.33	0.33	0.00	0.00	0.33	NA	NA	NaN
Downstream	Period 1	Chasmodes saburrae flexion larvae	result_m3	6	0.03	1.1e+00	0.16	0.05	0.31	0.26	0.19	0.31	0.42	0.17	0.45
Downstream	Period 1	cirriped nauplius stage	result_m3	4	0.01	9.1e-01	0.08	0.06	0.29	0.23	0.05	0.27	0.43	0.22	0.69
Downstream	Period 1	coleopterans, curculionid adults	result_m3	1	0.26	2.6e-01	0.26	0.26	0.26	0.00	0.00	0.26	NA	NA	NaN
Downstream	Period 1	Americamysis stucki	result_m3	13	0.01	9.1e-01	0.09	0.04	0.27	0.23	0.11	0.26	0.32	0.09	0.20
Downstream	Period 1	Americamysis bahia	result_m3	10	0.01	8.0e-01	0.21	0.05	0.27	0.22	0.23	0.24	0.25	0.08	0.18
Downstream	Period 1	Edotea triloba	result_m3	72	0.01	2.5e+00	0.08	0.04	0.21	0.17	0.10	0.23	0.45	0.05	0.11
Downstream	Period 1	Leiostomus xanthurus juveniles	result_m3	3	0.01	4.2e-01	0.27	0.14	0.34	0.20	0.22	0.23	0.21	0.12	0.51
Downstream	Period 1	Tozeuma carolinense postlarvae	result_m3	1	0.23	2.3e-01	0.23	0.23	0.23	0.00	0.00	0.23	NA	NA	NaN
Downstream	Period 1	Anchoa mitchilli eggs	result_m3	7	0.04	4.6e-01	0.21	0.08	0.35	0.27	0.20	0.22	0.16	0.06	0.15
Downstream	Period 1	fish eggs, percomorph	result_m3	7	0.01	1.0e+00	0.05	0.03	0.20	0.18	0.06	0.22	0.37	0.14	0.34
Downstream	Period 1	Microgobius spp. flexion larvae	result_m3	31	0.01	1.8e+00	0.05	0.01	0.20	0.18	0.06	0.20	0.35	0.06	0.13
Downstream	Period 1	Gobiosoma bosc juveniles	result_m3	6	0.01	1.0e+00	0.01	0.01	0.05	0.04	0.00	0.19	0.42	0.17	0.44
Downstream	Period 1	Oithona spp.	result_m3	2	0.01	3.6e-01	0.18	0.10	0.27	0.17	0.26	0.18	0.24	0.17	2.20
Downstream	Period 1	Petrolisthes armatus juveniles	result_m3	34	0.01	8.6e-01	0.09	0.03	0.21	0.17	0.10	0.17	0.21	0.04	0.07
Downstream	Period 1	blenniid preflexion larvae	result_m3	26	0.01	3.0e+00	0.01	0.01	0.04	0.03	0.00	0.16	0.59	0.12	0.24
Downstream	Period 1	foraminiferans	result_m3	2	0.01	3.1e-01	0.16	0.09	0.23	0.15	0.22	0.16	0.21	0.15	1.88
Downstream	Period 1	Monstrilla sp.	result_m3	24	0.01	1.6e+00	0.04	0.01	0.11	0.10	0.04	0.16	0.34	0.07	0.14
Downstream	Period 1	Pinnixa sayana juveniles	result_m3	35	0.01	1.3e+00	0.04	0.03	0.12	0.10	0.05	0.15	0.26	0.04	0.09
Downstream	Period 1	Polychaeta	result_m3	85	0.01	1.0e+00	0.06	0.02	0.16	0.14	0.06	0.14	0.21	0.02	0.04
Downstream	Period 1	pelecypods	result_m3	35	0.01	9.5e-01	0.03	0.01	0.08	0.07	0.02	0.14	0.24	0.04	0.08
Downstream	Period 1	Bathygobius soporator preflexion larvae	result_m3	4	0.03	2.6e-01	0.12	0.04	0.22	0.19	0.13	0.13	0.12	0.06	0.18
Downstream	Period 1	Parasterope pollex	result_m3	24	0.01	1.2e+00	0.04	0.01	0.07	0.06	0.04	0.12	0.27	0.06	0.11
Downstream	Period 1	Anchoa hepsetus postflexion larvae	result_m3	8	0.02	2.6e-01	0.10	0.06	0.12	0.06	0.04	0.10	0.07	0.03	0.06
Downstream	Period 1	Anchoa hepsetus juveniles	result_m3	15	0.01	6.4e-01	0.04	0.02	0.08	0.06	0.04	0.10	0.16	0.04	0.09
Downstream	Period 1	Gobiesox strumosus juveniles	result_m3	40	0.01	5.2e-01	0.03	0.01	0.11	0.10	0.02	0.10	0.13	0.02	0.04
Downstream	Period 1	dipterans, chironomid larvae	result_m3	5	0.01	3.7e-01	0.01	0.01	0.02	0.01	0.00	0.09	0.16	0.07	0.20
Downstream	Period 1	Ergasilus sp.	result_m3	2	0.05	1.2e-01	0.09	0.07	0.10	0.04	0.05	0.09	0.05	0.04	0.44
Downstream	Period 1	Anopsilana jonesi	result_m3	1	0.08	8.0e-02	0.08	0.08	0.08	0.00	0.00	0.08	NA	NA	NaN
Downstream	Period 1	Gobiesox strumosus preflexion larvae	result_m3	28	0.01	8.0e-01	0.02	0.01	0.06	0.04	0.02	0.08	0.17	0.03	0.06
Downstream	Period 1	Brevoortia spp. postflexion larvae	result_m3	10	0.01	4.5e-01	0.05	0.02	0.05	0.04	0.04	0.08	0.13	0.04	0.10
Downstream	Period 1	Cynoscion arenarius postflexion larvae	result_m3	4	0.01	2.6e-01	0.02	0.01	0.09	0.07	0.01	0.08	0.12	0.06	0.20
Downstream	Period 1	Chrysaora quinquecirrha	result_m3	1	0.08	8.0e-02	0.08	0.08	0.08	0.00	0.00	0.08	NA	NA	NaN
Downstream	Period 1	Gobiesox strumosus postflexion larvae	result_m3	23	0.01	2.8e-01	0.05	0.03	0.10	0.08	0.04	0.08	0.07	0.01	0.03

Downstream	Period 1	Gobiesox strumosus flexion larvae	result_m3	20	0.01	3.0e-01	0.05	0.03	0.11	0.08	0.04	0.08	0.08	0.02	0.04
Downstream	Period 1	Squilla empusa larvae	result_m3	14	0.01	3.2e-01	0.04	0.01	0.07	0.06	0.04	0.07	0.10	0.03	0.06
Downstream	Period 1	cirriped cypris stage	result_m3	2	0.04	9.0e-02	0.07	0.06	0.08	0.03	0.04	0.07	0.04	0.03	0.33
Downstream	Period 1	Upogebia spp. postlarvae	result_m3	6	0.01	1.2e-01	0.06	0.04	0.10	0.06	0.05	0.07	0.04	0.02	0.04
Downstream	Period 1	Gobiosoma robustum juveniles	result_m3	21	0.01	4.9e-01	0.03	0.01	0.07	0.06	0.02	0.06	0.11	0.02	0.05
Downstream	Period 1	Palaemonetes pugio juveniles	result_m3	38	0.01	2.3e-01	0.03	0.01	0.09	0.07	0.02	0.06	0.07	0.01	0.02
Downstream	Period 1	Ambidexter symmetricus postlarvae	result_m3	1	0.06	6.0e-02	0.06	0.06	0.06	0.00	0.00	0.06	NA	NA	NaN
Downstream	Period 1	Trinectes maculatus juveniles	result_m3	8	0.01	2.1e-01	0.02	0.01	0.06	0.04	0.01	0.06	0.07	0.03	0.06
Downstream	Period 1	appendicularian, Oikopleura dioica	result_m3	6	0.01	1.7e-01	0.01	0.01	0.09	0.08	0.00	0.06	0.07	0.03	0.07
Downstream	Period 1	Bowmaniella dissimilis	result_m3	21	0.01	4.4e-01	0.03	0.01	0.05	0.04	0.02	0.06	0.09	0.02	0.04
Downstream	Period 1	Microgobius gulosus adults	result_m3	3	0.03	1.1e-01	0.03	0.03	0.07	0.04	0.01	0.06	0.05	0.03	0.12
Downstream	Period 1	Brevoortia smithi juveniles	result_m3	7	0.01	2.2e-01	0.03	0.01	0.05	0.03	0.02	0.05	0.07	0.03	0.07
Downstream	Period 1	Craspedacusta sowerbii	result_m3	2	0.01	9.0e-02	0.05	0.03	0.07	0.04	0.06	0.05	0.06	0.04	0.51
Downstream	Period 1	Cyclops sp.	result_m3	1	0.05	5.0e-02	0.05	0.05	0.05	0.00	0.00	0.05	NA	NA	NaN
Downstream	Period 1	penaeid metamorphs	result_m3	2	0.01	9.0e-02	0.05	0.03	0.07	0.04	0.06	0.05	0.05	0.04	0.48
Downstream	Period 1	Cynoscion arenarius flexion larvae	result_m3	6	0.01	1.3e-01	0.01	0.01	0.08	0.07	0.00	0.05	0.06	0.02	0.06
Downstream	Period 1	Calanopia americana	result_m3	3	0.01	1.2e-01	0.01	0.01	0.06	0.05	0.00	0.05	0.06	0.03	0.15
Downstream	Period 1	Trinectes maculatus flexion larvae	result_m3	5	0.01	1.3e-01	0.03	0.02	0.05	0.03	0.02	0.05	0.05	0.02	0.06
Downstream	Period 1	Limulus polyphemus larvae	result_m3	29	0.01	1.8e-01	0.03	0.01	0.06	0.05	0.02	0.04	0.04	0.01	0.02
Downstream	Period 1	Trinectes maculatus postflexion larvae	result_m3	18	0.01	2.2e-01	0.03	0.01	0.06	0.04	0.02	0.04	0.05	0.01	0.03
Downstream	Period 1	Cynoscion arenarius preflexion larvae	result_m3	5	0.01	1.0e-01	0.01	0.01	0.05	0.03	0.00	0.04	0.04	0.02	0.05
Downstream	Period 1	Sarsiella zostericola	result_m3	3	0.01	7.0e-02	0.03	0.02	0.05	0.03	0.03	0.04	0.03	0.02	0.07
Downstream	Period 1	Mesocyclops edax	result_m3	2	0.03	4.0e-02	0.04	0.03	0.04	0.01	0.01	0.04	0.01	0.01	0.10
Downstream	Period 1	Microgobius gulosus juveniles	result_m3	4	0.01	7.0e-02	0.03	0.02	0.05	0.03	0.02	0.04	0.02	0.01	0.04
Downstream	Period 1	Syngnathus louisianae juveniles	result_m3	14	0.01	1.3e-01	0.01	0.01	0.04	0.02	0.00	0.04	0.04	0.01	0.02
Downstream	Period 1	unidentified harpacticoids	result_m3	3	0.01	6.0e-02	0.04	0.03	0.05	0.02	0.03	0.04	0.02	0.01	0.06
Downstream	Period 1	Rhithropanopeus harrisi juveniles	result_m3	3	0.01	6.0e-02	0.02	0.02	0.04	0.03	0.02	0.03	0.03	0.02	0.07
Downstream	Period 1	Oligoplites saurus juveniles	result_m3	6	0.01	1.0e-01	0.01	0.01	0.04	0.03	0.00	0.03	0.04	0.01	0.04
Downstream	Period 1	Opsanus beta juveniles	result_m3	7	0.01	1.0e-01	0.01	0.01	0.04	0.03	0.00	0.03	0.03	0.01	0.03
Downstream	Period 1	Palaemonetes pugio adults	result_m3	14	0.01	9.0e-02	0.03	0.01	0.04	0.03	0.02	0.03	0.03	0.01	0.01
Downstream	Period 1	Anchoa mitchilli adults	result_m3	25	0.01	1.8e-01	0.01	0.01	0.03	0.02	0.00	0.03	0.04	0.01	0.02
Downstream	Period 1	Menidia spp. postflexion larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Downstream	Period 1	Strongylura spp. postflexion larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Downstream	Period 1	ostracods, podocopid	result_m3	4	0.01	5.0e-02	0.03	0.02	0.04	0.01	0.02	0.03	0.02	0.01	0.03
Downstream	Period 1	Lagodon rhomboides juveniles	result_m3	2	0.01	5.0e-02	0.03	0.02	0.04	0.02	0.02	0.03	0.02	0.02	0.21
Downstream	Period 1	Trinectes maculatus preflexion larvae	result_m3	2	0.01	5.0e-02	0.03	0.02	0.04	0.02	0.03	0.03	0.03	0.02	0.23
Downstream	Period 1	Centropages hamatus	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN

Downstream	Period 1	cymothoid sp. b juveniles	result_m3	2	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.01	0.03	0.01	0.00	0.05
Downstream	Period 1	gastropods, prosobranch	result_m3	11	0.01	1.4e-01	0.01	0.01	0.02	0.01	0.00	0.03	0.04	0.01	0.03
Downstream	Period 1	Ogyrides alphaerostis juveniles and adults	result_m3	2	0.01	4.0e-02	0.03	0.02	0.03	0.01	0.02	0.03	0.02	0.01	0.18
Downstream	Period 1	Cassidinidea ovalis	result_m3	6	0.01	6.0e-02	0.01	0.01	0.04	0.03	0.00	0.03	0.02	0.01	0.02
Downstream	Period 1	Mugil curema juveniles	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Downstream	Period 1	Rhithropanopeus harrisii adults	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Downstream	Period 1	Chasmodes saburrae postflexion larvae	result_m3	4	0.01	4.0e-02	0.02	0.01	0.04	0.03	0.02	0.03	0.01	0.01	0.02
Downstream	Period 1	Probopyrus sp. (attached)	result_m3	4	0.01	3.0e-02	0.03	0.02	0.03	0.01	0.00	0.03	0.01	0.00	0.01
Downstream	Period 1	siphonostomatids	result_m3	20	0.01	9.0e-02	0.01	0.01	0.03	0.02	0.00	0.03	0.02	0.00	0.01
Downstream	Period 1	Beroe ovata	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Downstream	Period 1	Liriope tetraphylla	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Downstream	Period 1	Syngnathus scovelli adults	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Downstream	Period 1	Syngnathus scovelli juveniles	result_m3	26	0.01	9.0e-02	0.01	0.01	0.03	0.01	0.00	0.02	0.02	0.00	0.01
Downstream	Period 1	Cynoscion arenarius juveniles	result_m3	9	0.01	5.0e-02	0.01	0.01	0.03	0.01	0.00	0.02	0.01	0.00	0.01
Downstream	Period 1	Hargeria rapax	result_m3	5	0.01	5.0e-02	0.02	0.01	0.03	0.02	0.01	0.02	0.01	0.01	0.02
Downstream	Period 1	Membras martinica juveniles	result_m3	9	0.01	6.0e-02	0.01	0.01	0.03	0.01	0.01	0.02	0.02	0.01	0.01
Downstream	Period 1	Elops saurus postflexion larvae	result_m3	2	0.01	3.0e-02	0.02	0.02	0.03	0.01	0.01	0.02	0.01	0.01	0.13
Downstream	Period 1	Euceramus praelongus juveniles	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Downstream	Period 1	Lolliguncula brevis juveniles	result_m3	16	0.01	7.0e-02	0.01	0.01	0.02	0.00	0.00	0.02	0.02	0.00	0.01
Downstream	Period 1	Brevoortia patronus juveniles	result_m3	5	0.01	4.0e-02	0.01	0.01	0.03	0.02	0.00	0.02	0.01	0.00	0.01
Downstream	Period 1	Menidia spp. juveniles	result_m3	9	0.01	3.0e-02	0.01	0.01	0.03	0.01	0.01	0.02	0.01	0.00	0.01
Downstream	Period 1	gastropods, opisthobranch	result_m3	2	0.01	3.0e-02	0.02	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.09
Downstream	Period 1	Leptochela serratorbita juveniles	result_m3	3	0.01	3.0e-02	0.01	0.01	0.02	0.01	0.00	0.02	0.01	0.00	0.02
Downstream	Period 1	Sphaeroma quadridentata	result_m3	3	0.01	3.0e-02	0.01	0.01	0.02	0.01	0.00	0.02	0.01	0.00	0.02
Downstream	Period 1	Achirus lineatus flexion larvae	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Downstream	Period 1	Erichsonella attenuata	result_m3	3	0.01	2.0e-02	0.01	0.01	0.02	0.00	0.00	0.02	0.00	0.00	0.01
Downstream	Period 1	oligochaetes	result_m3	3	0.01	2.0e-02	0.01	0.01	0.02	0.01	0.00	0.02	0.01	0.00	0.02
Downstream	Period 1	Bairdiella chrysoura flexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 1	Menidia spp. preflexion larvae	result_m3	4	0.01	2.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.00	0.01
Downstream	Period 1	Periclimenes spp. postlarvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 1	Sinelobus stanfordi	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 1	Anchoa cubana juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 1	Bathygobius soporator flexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 1	Fundulus grandis postflexion larvae	result_m3	2	0.01	2.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.02
Downstream	Period 1	Fundulus spp. postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 1	Menticirrhus spp. preflexion larvae	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Downstream	Period 1	gerreid postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN

Downstream	Period 1	thaliaceans	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 1	Acari	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 1	Achirus lineatus postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 1	Anchoa hepsetus eggs	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 1	Bairdiella chrysoura juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 1	Bairdiella chrysoura postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 1	Callinectes sapidus juveniles	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Downstream	Period 1	Farfantepenaeus duorarum juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 1	Fundulus seminolis postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 1	Gobiosox strumosus adults	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 1	Gobiosoma bosc adults	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 1	Hirudinea	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Downstream	Period 1	Tozeuma carolinense adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 1	alphaeid juveniles	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.02
Downstream	Period 1	branchiurans, Argulus spp.	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 1	pycnogonids	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 1	Alpheus viridari juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 1	Brasilomysis castroi	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 1	Cyathura polita	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 1	Leptochela serratorbita adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 1	Menticirrhus spp. flexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 1	Microgobius thalassinus juveniles	result_m3	3	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 1	Mugil cephalus juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 1	Tozeuma carolinense juveniles	result_m3	3	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 1	cymothoid sp. c juveniles	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Downstream	Period 1	porcellanid (not P. armatus) juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 1	xanthid juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 1	Harrieta faxoni	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 1	Oligoplites saurus postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Downstream	Period 1	coleopterans, dytiscid adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 5	decapod zoeae	result_m3	10	1.53	1.6e+06	147.38	18.93	320721.04	320702.10	216.15	334981.18	583361.39	184475.07	417311.60
Lower	Period 5	Craspedacusta sowerbii	result_m3	5	0.03	2.0e+04	6192.80	1563.56	11195.66	9632.10	7417.24	7849.80	8215.96	3674.29	10201.46
Lower	Period 5	Americamysis almyra	result_m3	11	0.02	2.7e+04	0.20	0.09	1844.11	1844.02	0.25	3588.09	8146.91	2456.39	5473.17
Lower	Period 5	Clytia sp.	result_m3	5	0.10	9.6e+03	80.74	0.26	4628.64	4628.38	119.55	2866.94	4271.24	1910.15	5303.44
Lower	Period 5	Acartia tonsa	result_m3	2	95.76	2.1e+03	1115.08	605.42	1624.74	1019.32	1511.24	1115.08	1441.54	1019.32	12951.68
Lower	Period 5	unidentified Americamysis juveniles	result_m3	6	0.03	3.2e+03	240.15	40.31	741.80	701.48	355.99	756.46	1229.52	501.95	1290.30
Lower	Period 5	Polychaeta	result_m3	11	0.03	2.5e+03	0.84	0.10	1165.40	1165.30	1.21	659.52	1007.28	303.71	676.70

Lower	Period 5	unidentified harpacticoids	result_m3	1	523.53	5.2e+02	523.53	523.53	523.53	0.00	0.00	523.53	NA	NA	NaN
Lower	Period 5	Gobiosoma spp. postflexion larvae	result_m3	12	0.12	2.6e+03	0.65	0.44	451.95	451.51	0.73	403.83	793.73	229.13	504.31
Lower	Period 5	amphipods, gammaridean	result_m3	11	0.03	1.9e+03	0.20	0.09	604.46	604.38	0.26	394.84	661.13	199.34	444.15
Lower	Period 5	gobiid preflexion larvae	result_m3	6	0.03	6.7e+02	332.08	33.76	555.25	521.50	417.83	316.42	305.00	124.51	320.07
Lower	Period 5	Palaemonetes spp. postlarvae	result_m3	5	0.03	8.0e+02	26.91	25.22	563.80	538.59	39.86	282.80	372.90	166.77	463.02
Lower	Period 5	gobiid flexion larvae	result_m3	6	0.03	5.5e+02	275.42	47.12	425.79	378.67	331.27	258.77	233.51	95.33	245.05
Lower	Period 5	decapod mysis	result_m3	10	0.03	1.1e+03	2.53	0.34	158.04	157.70	3.69	227.95	424.42	134.22	303.62
Lower	Period 5	dipterans, chironomid larvae	result_m3	10	0.02	1.1e+03	0.13	0.05	211.67	211.61	0.16	219.63	391.47	123.79	280.04
Lower	Period 5	cymothoid sp. a (Livoneca) juveniles	result_m3	6	0.03	6.4e+02	13.50	0.04	308.77	308.72	19.98	178.04	275.80	112.59	289.43
Lower	Period 5	Microgobius spp. postflexion larvae	result_m3	4	0.02	2.4e+02	50.45	0.03	136.21	136.18	74.76	85.79	114.61	57.30	182.37
Lower	Period 5	Chrysaora quinquecirrha	result_m3	1	80.54	8.1e+01	80.54	80.54	80.54	0.00	0.00	80.54	NA	NA	NaN
Lower	Period 5	Brevoortia spp. metamorphs	result_m3	2	50.44	8.1e+01	65.59	58.01	73.16	15.15	22.46	65.59	21.43	15.15	192.50
Lower	Period 5	Menidia spp. preflexion larvae	result_m3	2	53.83	7.6e+01	64.74	59.28	70.20	10.91	16.18	64.74	15.44	10.91	138.69
Lower	Period 5	Trinectes maculatus postflexion larvae	result_m3	3	0.03	9.6e+01	80.54	40.28	88.15	47.87	22.57	58.78	51.45	29.70	127.80
Lower	Period 5	Elops saurus postflexion larvae	result_m3	2	25.22	8.1e+01	52.98	39.10	66.86	27.76	41.16	52.98	39.26	27.76	352.72
Lower	Period 5	Bathygobius soporator postflexion larvae	result_m3	5	0.03	2.3e+02	0.32	0.03	0.91	0.88	0.44	45.65	101.36	45.33	125.85
Lower	Period 5	Anchoa mitchilli eggs	result_m3	1	40.27	4.0e+01	40.27	40.27	40.27	0.00	0.00	40.27	NA	NA	NaN
Lower	Period 5	Gobiosoma bosc juveniles	result_m3	2	26.91	5.0e+01	38.67	32.79	44.56	11.76	17.44	38.67	16.64	11.76	149.46
Lower	Period 5	cumaceans	result_m3	4	0.03	1.0e+02	13.48	0.05	45.40	45.36	19.93	31.97	47.65	23.83	75.83
Lower	Period 5	Menidia spp. flexion larvae	result_m3	2	25.22	2.7e+01	26.07	25.64	26.49	0.85	1.26	26.07	1.20	0.85	10.76
Lower	Period 5	Anchoa mitchilli juveniles	result_m3	1	25.22	2.5e+01	25.22	25.22	25.22	0.00	0.00	25.22	NA	NA	NaN
Lower	Period 5	Anchoa mitchilli postflexion larvae	result_m3	1	25.22	2.5e+01	25.22	25.22	25.22	0.00	0.00	25.22	NA	NA	NaN
Lower	Period 5	Mesocyclops edax	result_m3	1	25.22	2.5e+01	25.22	25.22	25.22	0.00	0.00	25.22	NA	NA	NaN
Lower	Period 5	Hirudinea	result_m3	2	0.03	2.5e+01	12.62	6.32	18.92	12.60	18.68	12.62	17.81	12.60	160.06
Lower	Period 5	Sphaeroma terebrans	result_m3	8	0.02	3.2e+01	0.10	0.03	25.64	25.61	0.11	10.54	14.59	5.16	12.20
Lower	Period 5	Edotea triloba	result_m3	7	0.07	4.0e+01	0.19	0.11	13.65	13.54	0.17	9.72	16.76	6.33	15.50
Lower	Period 5	decapod megalopae	result_m3	5	0.10	2.7e+01	0.56	0.12	2.25	2.13	0.67	5.99	11.73	5.25	14.57
Lower	Period 5	Cassidinidea ovalis	result_m3	5	0.02	2.5e+01	0.03	0.03	0.03	0.00	0.00	5.07	11.27	5.04	13.99
Lower	Period 5	ostracods, podocopid	result_m3	9	0.03	3.2e+01	0.14	0.06	0.78	0.72	0.17	4.71	10.63	3.54	8.17
Lower	Period 5	gastropods, prosobranch	result_m3	9	0.03	9.4e-01	0.32	0.11	0.62	0.51	0.33	0.38	0.32	0.11	0.25
Lower	Period 5	Liriope tetraphylla	result_m3	1	0.19	1.9e-01	0.19	0.19	0.19	0.00	0.00	0.19	NA	NA	NaN
Lower	Period 5	nematodes	result_m3	1	0.18	1.8e-01	0.18	0.18	0.18	0.00	0.00	0.18	NA	NA	NaN
Lower	Period 5	Uromunna reynoldsi	result_m3	2	0.03	6.0e-02	0.05	0.04	0.06	0.02	0.03	0.05	0.03	0.02	0.23
Lower	Period 5	Lucifer faxoni juveniles and adults	result_m3	1	0.05	5.0e-02	0.05	0.05	0.05	0.00	0.00	0.05	NA	NA	NaN
Lower	Period 5	pelecypods	result_m3	5	0.02	5.0e-02	0.03	0.03	0.05	0.03	0.01	0.04	0.01	0.01	0.02
Lower	Period 5	Bougainvillia sp.	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 5	branchiurans, Argulus spp.	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN

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Lower	Period 5	Rhithropanopeus harrisii juveniles	result_m3	2	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	0.00	0.00	0.04
Lower	Period 5	Taphromysis bowmani	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 5	Aurelia aurita	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 5	cymothoid sp. a (Livoneca)	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 5	odonates, zygotpteran larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 5	Anchoa spp. preflexion larvae	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Lower	Period 5	Cyclops sp.	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Lower	Period 5	Munna reynoldsi	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Lower	Period 5	Trinectes maculatus flexion larvae	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Lower	Period 5	coleopterans, curculionid adults	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Lower	Period 5	Syngnathus scovelli juveniles	result_m3	1	0.00	0.0e+00	0.00	0.00	0.00	0.00	0.00	0.00	NA	NA	NaN
Lower	Period 4	decapod zoeae	result_m3	12	71.79	9.9e+02	116.04	97.78	331.19	233.41	55.02	279.58	290.88	83.97	184.82
Lower	Period 4	Ergasilus sp.	result_m3	5	0.01	6.4e+01	0.18	0.16	2.30	2.13	0.25	13.25	28.17	12.60	34.98
Lower	Period 4	Anchoa mitchilli juveniles	result_m3	6	0.01	4.0e+00	0.74	0.03	1.85	1.82	1.09	1.25	1.58	0.65	1.66
Lower	Period 4	unidentified Americamysis juveniles	result_m3	5	0.11	4.0e+00	0.29	0.16	1.08	0.91	0.27	1.14	1.68	0.75	2.08
Lower	Period 4	Polychaeta	result_m3	11	0.06	7.4e+00	0.26	0.17	0.79	0.62	0.29	1.12	2.15	0.65	1.45
Lower	Period 4	Americamysis almyra	result_m3	8	0.03	4.4e+00	0.50	0.29	0.90	0.62	0.42	1.05	1.49	0.53	1.24
Lower	Period 4	cymothoid sp. a (Lironeca) juveniles	result_m3	8	0.01	3.4e+00	0.05	0.01	0.91	0.90	0.06	0.81	1.38	0.49	1.16
Lower	Period 4	amphipods, gammaridean	result_m3	11	0.05	3.5e+00	0.43	0.19	0.52	0.33	0.30	0.76	1.07	0.32	0.72
Lower	Period 4	decapod megalopae	result_m3	6	0.02	1.3e+00	0.45	0.10	1.00	0.90	0.63	0.56	0.55	0.22	0.58
Lower	Period 4	pelecypods	result_m3	5	0.01	2.1e+00	0.04	0.03	0.18	0.15	0.04	0.48	0.94	0.42	1.16
Lower	Period 4	Gobiesox strumosus preflexion larvae	result_m3	2	0.15	2.3e-01	0.19	0.17	0.21	0.04	0.06	0.19	0.06	0.04	0.49
Lower	Period 4	Acartia tonsa	result_m3	8	0.03	3.2e-01	0.09	0.05	0.14	0.09	0.07	0.11	0.10	0.04	0.08
Lower	Period 4	amphipods, caprellid	result_m3	1	0.11	1.1e-01	0.11	0.11	0.11	0.00	0.00	0.11	NA	NA	NaN
Lower	Period 4	gobiid preflexion larvae	result_m3	8	0.05	3.0e-01	0.07	0.06	0.09	0.03	0.02	0.10	0.08	0.03	0.07
Lower	Period 4	Gobiesox strumosus flexion larvae	result_m3	1	0.10	1.0e-01	0.10	0.10	0.10	0.00	0.00	0.10	NA	NA	NaN
Lower	Period 4	Microgobius spp. flexion larvae	result_m3	1	0.09	9.0e-02	0.09	0.09	0.09	0.00	0.00	0.09	NA	NA	NaN
Lower	Period 4	processid postlarvae	result_m3	1	0.09	9.0e-02	0.09	0.09	0.09	0.00	0.00	0.09	NA	NA	NaN
Lower	Period 4	gastropods, prosobranch	result_m3	5	0.01	1.9e-01	0.04	0.04	0.15	0.11	0.04	0.09	0.08	0.04	0.10
Lower	Period 4	Menidia spp. preflexion larvae	result_m3	4	0.04	1.1e-01	0.07	0.04	0.09	0.05	0.04	0.07	0.03	0.02	0.05
Lower	Period 4	Edotea triloba	result_m3	4	0.03	1.1e-01	0.06	0.05	0.07	0.02	0.03	0.06	0.03	0.02	0.06
Lower	Period 4	decapod mysis	result_m3	8	0.01	1.3e-01	0.04	0.04	0.10	0.06	0.03	0.06	0.04	0.01	0.04
Lower	Period 4	nematodes	result_m3	3	0.01	1.1e-01	0.03	0.02	0.07	0.05	0.02	0.05	0.05	0.03	0.13
Lower	Period 4	Pseudodiaptomus coronatus	result_m3	6	0.01	1.1e-01	0.04	0.03	0.06	0.03	0.03	0.05	0.03	0.01	0.04
Lower	Period 4	gobiid flexion larvae	result_m3	3	0.01	1.1e-01	0.01	0.01	0.06	0.05	0.00	0.04	0.06	0.03	0.14
Lower	Period 4	Gobiosoma spp. postflexion larvae	result_m3	4	0.02	6.0e-02	0.04	0.03	0.05	0.03	0.02	0.04	0.02	0.01	0.03
Lower	Period 4	Cassinidea ovalis	result_m3	4	0.03	7.0e-02	0.03	0.03	0.05	0.02	0.01	0.04	0.02	0.01	0.04

Lower	Period 4	Palaemonetes spp. postlarvae	result_m3	5	0.01	9.0e-02	0.04	0.01	0.05	0.04	0.04	0.04	0.03	0.01	0.04
Lower	Period 4	Chrysaora quinquecirrha	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Lower	Period 4	cumaceans	result_m3	2	0.01	6.0e-02	0.04	0.03	0.05	0.03	0.04	0.04	0.04	0.03	0.32
Lower	Period 4	dipterans, chironomid larvae	result_m3	7	0.01	4.0e-02	0.04	0.01	0.04	0.03	0.00	0.03	0.01	0.00	0.01
Lower	Period 4	Elops saurus postflexion larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 4	Hippolyte zostericola postlarvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 4	Hirudinea	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 4	Munna reynoldsi	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 4	Trinectes maculatus postflexion larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 4	ephemeropteran larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 4	Trinectes maculatus juveniles	result_m3	2	0.01	3.0e-02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.08
Lower	Period 4	Mesocyclops edax	result_m3	2	0.01	2.0e-02	0.02	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.07
Lower	Period 4	Brevoortia spp. postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 4	Clytia sp.	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 4	Menidia spp. flexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 4	Taphromysis bowmani	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 4	Tortanus setacaudatus	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 4	siphonostomatids	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 4	Diaptomus sp.	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Lower	Period 4	Menidia spp. juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 4	Menidia spp. postflexion larvae	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Lower	Period 4	Palaemonetes pugio juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 4	Rhithropanopeus harrisi juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 4	branchiurans, Argulus spp.	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 4	collembolas, podurid	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 4	hemipterans, belostomatid adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 4	unidentified freshwater cyclopoids	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 3	decapod zoeae	result_m3	40	0.03	2.6e+02	45.97	23.50	76.95	53.45	39.11	64.11	59.67	9.43	19.08
Lower	Period 3	Acartia tonsa	result_m3	10	0.01	9.1e+01	0.40	0.08	1.12	1.03	0.52	9.56	28.59	9.04	20.45
Lower	Period 3	Polychaeta	result_m3	37	0.02	4.9e+01	0.28	0.13	0.98	0.85	0.25	3.26	9.18	1.51	3.06
Lower	Period 3	Clytia sp.	result_m3	12	0.01	1.0e+01	1.34	0.07	4.52	4.45	1.97	2.74	3.22	0.93	2.05
Lower	Period 3	unidentified Americamysis juveniles	result_m3	18	0.01	1.9e+01	0.07	0.04	0.22	0.19	0.06	2.40	5.50	1.29	2.73
Lower	Period 3	Americamysis almyra	result_m3	23	0.01	2.4e+01	0.11	0.04	0.33	0.29	0.14	2.27	5.81	1.21	2.51
Lower	Period 3	amphipods, gammaridean	result_m3	33	0.01	1.3e+01	0.11	0.05	0.34	0.29	0.10	1.39	3.11	0.54	1.10
Lower	Period 3	gobiid preflexion larvae	result_m3	14	0.01	7.8e+00	0.05	0.03	0.56	0.53	0.05	1.18	2.32	0.62	1.34
Lower	Period 3	Microgobius spp. flexion larvae	result_m3	2	0.03	1.4e+00	0.70	0.36	1.03	0.67	0.99	0.70	0.94	0.67	8.49
Lower	Period 3	Gobiosoma spp. postflexion larvae	result_m3	16	0.01	5.4e+00	0.17	0.04	0.51	0.47	0.21	0.64	1.33	0.33	0.71

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Lower	Period 3	Palaemonetes spp. postlarvae	result_m3	12	0.01	4.4e+00	0.12	0.06	0.29	0.23	0.14	0.51	1.23	0.35	0.78
Lower	Period 3	decapod mysis	result_m3	23	0.01	3.9e+00	0.07	0.02	0.32	0.30	0.08	0.47	0.98	0.20	0.43
Lower	Period 3	Microgobius spp. postflexion larvae	result_m3	4	0.08	8.6e-01	0.36	0.14	0.64	0.51	0.36	0.42	0.37	0.18	0.58
Lower	Period 3	Anchoa mitchilli juveniles	result_m3	21	0.01	1.5e+00	0.27	0.14	0.61	0.48	0.24	0.42	0.44	0.10	0.20
Lower	Period 3	Pseudodiaptomus coronatus	result_m3	8	0.01	8.1e-01	0.36	0.06	0.63	0.57	0.43	0.36	0.32	0.11	0.26
Lower	Period 3	pelecypods	result_m3	9	0.01	1.6e+00	0.03	0.01	0.16	0.14	0.03	0.28	0.53	0.17	0.40
Lower	Period 3	decapod megalopae	result_m3	18	0.01	1.0e+00	0.13	0.03	0.31	0.28	0.17	0.24	0.29	0.07	0.14
Lower	Period 3	Lucifer faxoni juveniles and adults	result_m3	4	0.01	6.0e-01	0.07	0.05	0.21	0.16	0.05	0.19	0.28	0.14	0.44
Lower	Period 3	oligochaetes	result_m3	3	0.03	3.4e-01	0.19	0.11	0.26	0.16	0.22	0.18	0.16	0.09	0.38
Lower	Period 3	gobiid flexion larvae	result_m3	10	0.01	7.4e-01	0.06	0.02	0.21	0.19	0.07	0.16	0.23	0.07	0.16
Lower	Period 3	Diaphanosoma brachyurum	result_m3	2	0.12	1.8e-01	0.15	0.13	0.17	0.03	0.05	0.15	0.05	0.03	0.43
Lower	Period 3	Gobiesox strumosus juveniles	result_m3	2	0.13	1.6e-01	0.14	0.14	0.16	0.02	0.03	0.14	0.03	0.02	0.24
Lower	Period 3	Anchoa mitchilli postflexion larvae	result_m3	2	0.06	2.1e-01	0.13	0.09	0.17	0.08	0.12	0.13	0.11	0.08	1.00
Lower	Period 3	gastropods, prosobranch	result_m3	20	0.01	6.7e-01	0.08	0.01	0.14	0.12	0.09	0.13	0.17	0.04	0.08
Lower	Period 3	Ilyocypris sp.	result_m3	1	0.12	1.2e-01	0.12	0.12	0.12	0.00	0.00	0.12	NA	NA	NaN
Lower	Period 3	cymothoid sp. a (Lironeca) juveniles	result_m3	22	0.01	4.0e-01	0.08	0.02	0.20	0.17	0.09	0.12	0.12	0.03	0.05
Lower	Period 3	Cyclops sp.	result_m3	1	0.09	9.0e-02	0.09	0.09	0.09	0.00	0.00	0.09	NA	NA	NaN
Lower	Period 3	cumaceans	result_m3	10	0.01	1.7e-01	0.06	0.01	0.11	0.10	0.06	0.07	0.06	0.02	0.04
Lower	Period 3	dipterans, culicid larvae	result_m3	2	0.06	8.0e-02	0.07	0.07	0.07	0.01	0.01	0.07	0.01	0.01	0.10
Lower	Period 3	Gobiesox strumosus flexion larvae	result_m3	1	0.07	7.0e-02	0.07	0.07	0.07	0.00	0.00	0.07	NA	NA	NaN
Lower	Period 3	nematodes	result_m3	4	0.01	1.6e-01	0.03	0.01	0.08	0.06	0.03	0.06	0.07	0.03	0.11
Lower	Period 3	Alteutha sp.	result_m3	2	0.04	7.0e-02	0.06	0.05	0.06	0.01	0.02	0.06	0.02	0.01	0.15
Lower	Period 3	chaetognaths, sagittid	result_m3	1	0.06	6.0e-02	0.06	0.06	0.06	0.00	0.00	0.06	NA	NA	NaN
Lower	Period 3	Leydigia sp.	result_m3	2	0.04	6.0e-02	0.05	0.05	0.06	0.01	0.01	0.05	0.01	0.01	0.11
Lower	Period 3	dipterans, chironomid larvae	result_m3	12	0.01	1.9e-01	0.04	0.01	0.07	0.06	0.03	0.05	0.05	0.01	0.03
Lower	Period 3	Macrocyclus albidus	result_m3	5	0.01	9.0e-02	0.04	0.04	0.07	0.03	0.04	0.05	0.03	0.01	0.04
Lower	Period 3	ostracods, podocypid	result_m3	2	0.03	7.0e-02	0.05	0.04	0.06	0.02	0.03	0.05	0.03	0.02	0.26
Lower	Period 3	Edotea triloba	result_m3	13	0.01	1.5e-01	0.03	0.01	0.07	0.05	0.03	0.05	0.04	0.01	0.03
Lower	Period 3	Ergasilus sp.	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Lower	Period 3	odonates, zygoteran larvae	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Lower	Period 3	Anchoa spp. preflexion larvae	result_m3	2	0.03	6.0e-02	0.04	0.04	0.05	0.01	0.02	0.04	0.02	0.01	0.19
Lower	Period 3	Mesocyclops edax	result_m3	2	0.01	7.0e-02	0.04	0.03	0.06	0.03	0.04	0.04	0.04	0.03	0.34
Lower	Period 3	Menidia spp. juveniles	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Lower	Period 3	Syngnathus scovelli juveniles	result_m3	2	0.01	7.0e-02	0.04	0.03	0.06	0.03	0.04	0.04	0.04	0.03	0.35
Lower	Period 3	unidentified freshwater cyclopoids	result_m3	4	0.01	1.0e-01	0.02	0.01	0.05	0.03	0.01	0.04	0.04	0.02	0.07
Lower	Period 3	Cassinidea ovalis	result_m3	15	0.01	1.3e-01	0.03	0.01	0.04	0.02	0.02	0.04	0.03	0.01	0.02
Lower	Period 3	Diaptomus sp.	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN

Lower	Period 3	Upogebia spp. postlarvae	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Lower	Period 3	Palaemonetes pugio juveniles	result_m3	6	0.01	8.0e-02	0.03	0.03	0.03	0.00	0.00	0.04	0.02	0.01	0.03
Lower	Period 3	dipterans, stratiomyid larvae	result_m3	2	0.03	4.0e-02	0.04	0.03	0.04	0.00	0.01	0.04	0.01	0.00	0.06
Lower	Period 3	Lucania parva postflexion larvae	result_m3	2	0.03	4.0e-02	0.03	0.03	0.04	0.01	0.01	0.03	0.01	0.01	0.09
Lower	Period 3	dipterans, pupae	result_m3	11	0.01	8.0e-02	0.03	0.01	0.04	0.03	0.02	0.03	0.02	0.01	0.02
Lower	Period 3	Rhithropanopeus harrisii juveniles	result_m3	3	0.01	7.0e-02	0.01	0.01	0.04	0.03	0.00	0.03	0.03	0.02	0.08
Lower	Period 3	dipteran, Chaoborus punctipennis larvae	result_m3	10	0.01	6.0e-02	0.03	0.01	0.05	0.04	0.02	0.03	0.02	0.01	0.02
Lower	Period 3	Anchoa spp. flexion larvae	result_m3	3	0.03	4.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	0.01	0.00	0.01
Lower	Period 3	Brevoortia spp. postflexion larvae	result_m3	5	0.01	9.0e-02	0.02	0.01	0.03	0.01	0.00	0.03	0.03	0.01	0.04
Lower	Period 3	Gobiesox strumosus preflexion larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 3	Latonopsis fasciculata	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 3	Menidia spp. preflexion larvae	result_m3	5	0.01	6.0e-02	0.02	0.01	0.05	0.04	0.02	0.03	0.02	0.01	0.03
Lower	Period 3	coleopterans, gyrinid larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 3	dipterans, ephyrid larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 3	Anchoa mitchilli adults	result_m3	8	0.01	7.0e-02	0.01	0.01	0.04	0.03	0.00	0.03	0.02	0.01	0.02
Lower	Period 3	Mnemiopsis mccradyi	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 3	Oithona spp.	result_m3	2	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	0.00	0.00	0.01
Lower	Period 3	Syngnathus louisianae juveniles	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 3	alphaeid postlarvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 3	coleopterans, scirtid larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 3	Bathygobius soporator preflexion larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 3	Menidia spp. flexion larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 3	hemipterans, corixid adults	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 3	medusa, sp. g (like Rhopalonema wt/ top knob)	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 3	Anopsilana jonesi	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 3	Menidia spp. postflexion larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 3	amphipods, caprellid	result_m3	3	0.01	4.0e-02	0.02	0.01	0.03	0.01	0.00	0.03	0.02	0.01	0.04
Lower	Period 3	Hirudinea	result_m3	2	0.01	4.0e-02	0.02	0.02	0.03	0.01	0.02	0.02	0.02	0.01	0.17
Lower	Period 3	coleopterans, elmid larvae	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Lower	Period 3	Brevoortia spp. metamorphs	result_m3	5	0.01	4.0e-02	0.03	0.01	0.03	0.02	0.01	0.02	0.01	0.00	0.01
Lower	Period 3	lepidopterans, pyralid larvae	result_m3	4	0.01	4.0e-02	0.02	0.01	0.03	0.01	0.01	0.02	0.01	0.01	0.02
Lower	Period 3	collembolas, podurid	result_m3	3	0.01	3.0e-02	0.02	0.02	0.02	0.01	0.00	0.02	0.01	0.00	0.02
Lower	Period 3	Anchoa mitchilli eggs	result_m3	3	0.01	3.0e-02	0.01	0.01	0.02	0.01	0.00	0.02	0.01	0.00	0.02
Lower	Period 3	Gambusia holbrooki juveniles	result_m3	3	0.01	3.0e-02	0.01	0.01	0.02	0.01	0.00	0.02	0.01	0.00	0.01
Lower	Period 3	Mugil cephalus juveniles	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Lower	Period 3	Trinectes maculatus juveniles	result_m3	4	0.01	3.0e-02	0.01	0.01	0.02	0.00	0.00	0.02	0.01	0.00	0.01
Lower	Period 3	Gobiesox strumosus postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN

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Lower	Period 3	hemipterans, pleid adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 3	medusa sp. d	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 3	unidentified harpacticoids	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 3	Elops saurus postflexion larvae	result_m3	3	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Lower	Period 3	Gobiosoma bosc juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 3	Heterandria formosa juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 3	Microgobius gulosus juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 3	branchiurans, Argulus spp.	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 3	Eurytemora affinis	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 3	Harrieta faxoni	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 3	Sinelobus stanfordi	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 3	coleopterans, noterid adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 3	siphonostomatids	result_m3	3	0.01	2.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Lower	Period 3	Gobiosoma robustum juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 3	Palaemonetes pugio adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 3	Fundulus grandis postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 3	Eucyclops speratus	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 2	decapod zoeae	result_m3	56	0.01	1.6e+03	65.73	17.07	108.52	91.45	68.97	127.21	245.90	32.86	65.85
Lower	Period 2	Acartia tonsa	result_m3	15	0.05	1.7e+02	25.44	9.32	76.55	67.23	37.40	46.63	51.58	13.32	28.57
Lower	Period 2	Clytia sp.	result_m3	28	0.01	2.5e+02	1.03	0.11	29.68	29.58	1.49	39.08	73.19	13.83	28.38
Lower	Period 2	Americamysis almyra	result_m3	34	0.01	2.2e+02	0.29	0.07	36.51	36.43	0.39	25.75	47.83	8.20	16.69
Lower	Period 2	unidentified Americamysis juveniles	result_m3	28	0.01	5.4e+01	0.31	0.05	4.92	4.87	0.44	8.20	15.70	2.97	6.09
Lower	Period 2	decapod megalopae	result_m3	32	0.01	6.2e+01	0.84	0.14	2.01	1.88	1.17	4.99	13.63	2.41	4.92
Lower	Period 2	Gobiosoma spp. postflexion larvae	result_m3	27	0.01	4.1e+01	0.17	0.03	1.77	1.75	0.23	4.58	9.55	1.84	3.78
Lower	Period 2	amphipods, gammaridean	result_m3	36	0.01	3.2e+01	0.13	0.03	0.44	0.40	0.17	1.82	5.60	0.93	1.90
Lower	Period 2	Anchoa mitchilli juveniles	result_m3	24	0.01	1.8e+01	0.09	0.04	0.90	0.86	0.09	1.66	3.84	0.78	1.62
Lower	Period 2	Diaptomus sp.	result_m3	6	0.01	5.5e+00	0.02	0.01	2.03	2.02	0.01	1.38	2.30	0.94	2.41
Lower	Period 2	Polychaeta	result_m3	58	0.01	1.6e+01	0.33	0.10	1.50	1.40	0.44	1.27	2.40	0.32	0.63
Lower	Period 2	medusa, sp. f (28 long, slender tentacles)	result_m3	3	0.04	3.6e+00	0.06	0.05	1.84	1.79	0.03	1.24	2.06	1.19	5.11
Lower	Period 2	decapod mysis	result_m3	36	0.01	1.3e+01	0.18	0.05	1.08	1.03	0.22	0.95	2.32	0.39	0.78
Lower	Period 2	gastropods, prosobranch	result_m3	23	0.01	8.1e+00	0.14	0.05	0.42	0.36	0.15	0.77	1.79	0.37	0.78
Lower	Period 2	Cyclops sp.	result_m3	8	0.01	5.4e+00	0.03	0.01	0.16	0.15	0.02	0.74	1.88	0.66	1.57
Lower	Period 2	Microgobius spp. postflexion larvae	result_m3	16	0.01	2.9e+00	0.09	0.03	0.79	0.76	0.11	0.53	0.80	0.20	0.43
Lower	Period 2	Palaemonetes spp. postlarvae	result_m3	28	0.01	6.6e+00	0.09	0.05	0.20	0.15	0.08	0.45	1.31	0.25	0.51
Lower	Period 2	Anchoa mitchilli eggs	result_m3	3	0.16	6.0e-01	0.55	0.35	0.58	0.22	0.08	0.44	0.24	0.14	0.60
Lower	Period 2	Gobiosoma robustum juveniles	result_m3	7	0.01	1.6e+00	0.02	0.01	0.54	0.53	0.01	0.40	0.66	0.25	0.61
Lower	Period 2	cymothoid sp. a (Lironeca) juveniles	result_m3	23	0.01	1.6e+00	0.22	0.04	0.50	0.46	0.28	0.40	0.49	0.10	0.21

Lower	Period 2	medusa sp. d	result_m3	1	0.31	3.1e-01	0.31	0.31	0.31	0.00	0.00	0.31	NA	NA	NaN
Lower	Period 2	Anchoa mitchilli adults	result_m3	1	0.25	2.5e-01	0.25	0.25	0.25	0.00	0.00	0.25	NA	NA	NaN
Lower	Period 2	gobiid flexion larvae	result_m3	23	0.01	2.0e+00	0.09	0.05	0.32	0.28	0.09	0.25	0.43	0.09	0.19
Lower	Period 2	Ergasilus sp.	result_m3	4	0.01	6.3e-01	0.10	0.04	0.28	0.23	0.11	0.21	0.28	0.14	0.45
Lower	Period 2	Taphromysis bowmani	result_m3	1	0.15	1.5e-01	0.15	0.15	0.15	0.00	0.00	0.15	NA	NA	NaN
Lower	Period 2	Pseudodiaptomus coronatus	result_m3	10	0.02	2.1e-01	0.07	0.06	0.09	0.03	0.02	0.09	0.05	0.02	0.04
Lower	Period 2	chaetognaths, sagittid	result_m3	12	0.01	2.2e-01	0.08	0.06	0.11	0.05	0.04	0.09	0.06	0.02	0.04
Lower	Period 2	Microgobius spp. flexion larvae	result_m3	6	0.01	2.4e-01	0.06	0.02	0.12	0.10	0.06	0.09	0.09	0.04	0.09
Lower	Period 2	Menidia spp. flexion larvae	result_m3	4	0.01	1.6e-01	0.06	0.02	0.10	0.08	0.05	0.07	0.07	0.03	0.11
Lower	Period 2	gobiid preflexion larvae	result_m3	18	0.01	2.4e-01	0.04	0.03	0.12	0.09	0.04	0.07	0.06	0.01	0.03
Lower	Period 2	Edotea triloba	result_m3	13	0.01	2.2e-01	0.04	0.01	0.08	0.07	0.04	0.06	0.06	0.02	0.04
Lower	Period 2	dipteran, Chaoborus punctipennis larvae	result_m3	6	0.01	1.1e-01	0.06	0.05	0.07	0.02	0.02	0.06	0.03	0.01	0.03
Lower	Period 2	Cassinidea ovalis	result_m3	13	0.01	1.9e-01	0.04	0.03	0.07	0.04	0.04	0.06	0.05	0.01	0.03
Lower	Period 2	Menidia spp. postflexion larvae	result_m3	4	0.01	1.6e-01	0.03	0.01	0.07	0.06	0.02	0.06	0.07	0.04	0.11
Lower	Period 2	Gobiesox strumosus juveniles	result_m3	2	0.01	1.0e-01	0.05	0.03	0.07	0.04	0.06	0.05	0.06	0.04	0.54
Lower	Period 2	Menidia spp. preflexion larvae	result_m3	6	0.01	1.1e-01	0.04	0.03	0.07	0.04	0.04	0.05	0.03	0.01	0.04
Lower	Period 2	dipterans, chironomid larvae	result_m3	11	0.01	1.3e-01	0.05	0.03	0.05	0.03	0.03	0.05	0.04	0.01	0.03
Lower	Period 2	Anchoa mitchilli postflexion larvae	result_m3	1	0.05	5.0e-02	0.05	0.05	0.05	0.00	0.00	0.05	NA	NA	NaN
Lower	Period 2	pelecypods	result_m3	12	0.01	2.2e-01	0.03	0.01	0.05	0.04	0.02	0.05	0.06	0.02	0.04
Lower	Period 2	Palaemonetes pugio juveniles	result_m3	17	0.01	1.6e-01	0.03	0.01	0.08	0.06	0.02	0.05	0.04	0.01	0.02
Lower	Period 2	Microgobius thalassinus juveniles	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Lower	Period 2	Sphaeroma quadridentata	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Lower	Period 2	Acari	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Lower	Period 2	Anopsilana jonesi	result_m3	2	0.03	5.0e-02	0.04	0.03	0.04	0.01	0.01	0.04	0.01	0.01	0.12
Lower	Period 2	ostracods, podocopid	result_m3	11	0.01	7.0e-02	0.03	0.02	0.05	0.03	0.02	0.04	0.02	0.01	0.01
Lower	Period 2	Brevortia smithi juveniles	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 2	Microgobius gulosus juveniles	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 2	Cyprinodon variegatus postflexion larvae	result_m3	2	0.01	5.0e-02	0.03	0.02	0.04	0.02	0.03	0.03	0.03	0.02	0.22
Lower	Period 2	gastropods, opisthobranch	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 2	Liriope tetraphylla	result_m3	2	0.01	5.0e-02	0.03	0.02	0.04	0.02	0.03	0.03	0.02	0.02	0.22
Lower	Period 2	Bathygobius soporator preflexion larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 2	Chrysaora quinquecirrha	result_m3	3	0.01	5.0e-02	0.03	0.02	0.04	0.02	0.02	0.03	0.02	0.01	0.04
Lower	Period 2	Mnemiopsis mccradyi	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 2	Menidia spp. juveniles	result_m3	2	0.01	4.0e-02	0.03	0.02	0.04	0.01	0.02	0.03	0.02	0.01	0.18
Lower	Period 2	Lucania parva juveniles	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 2	nematodes	result_m3	3	0.01	3.0e-02	0.03	0.02	0.03	0.01	0.00	0.03	0.01	0.01	0.03
Lower	Period 2	Bowmaniella dissimilis	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN

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Lower	Period 2	dipterans, pupae	result_m3	3	0.01	4.0e-02	0.03	0.02	0.03	0.01	0.02	0.03	0.01	0.01	0.04
Lower	Period 2	Gobiesox strumosus flexion larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 2	Menidia spp. eggs	result_m3	2	0.01	4.0e-02	0.03	0.02	0.03	0.01	0.02	0.03	0.02	0.01	0.16
Lower	Period 2	Munna reynoldsi	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 2	Fundulus grandis postflexion larvae	result_m3	6	0.01	5.0e-02	0.01	0.01	0.03	0.01	0.00	0.02	0.02	0.01	0.02
Lower	Period 2	Sphaeroma terebrans	result_m3	7	0.01	4.0e-02	0.03	0.01	0.03	0.01	0.01	0.02	0.01	0.00	0.01
Lower	Period 2	Squilla empusa larvae	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Lower	Period 2	cumaceans	result_m3	8	0.01	5.0e-02	0.01	0.01	0.03	0.01	0.00	0.02	0.01	0.00	0.01
Lower	Period 2	unidentified harpacticoids	result_m3	3	0.02	3.0e-02	0.02	0.02	0.03	0.01	0.01	0.02	0.01	0.00	0.02
Lower	Period 2	oligochaetes	result_m3	2	0.01	3.0e-02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.09
Lower	Period 2	Trinectes maculatus postflexion larvae	result_m3	4	0.01	4.0e-02	0.01	0.01	0.02	0.01	0.00	0.02	0.01	0.01	0.02
Lower	Period 2	xanthid juveniles	result_m3	2	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.01	0.02	0.01	0.00	0.05
Lower	Period 2	Tilapia spp. juveniles	result_m3	2	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	0.00	0.00	0.04
Lower	Period 2	Membras martinica preflexion larvae	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Lower	Period 2	Palaemonetes pugio adults	result_m3	4	0.01	3.0e-02	0.01	0.01	0.02	0.01	0.00	0.02	0.01	0.00	0.01
Lower	Period 2	fish eggs, percomorph	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Lower	Period 2	Anchoa mitchilli preflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 2	Gobiesox strumosus postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 2	Brevoortia spp. metamorphs	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 2	Gobiosoma bosc juveniles	result_m3	3	0.01	2.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Lower	Period 2	Ictalurus punctatus juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 2	Mesocyclops edax	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 2	Poecilia latipinna juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 2	Trinectes maculatus juveniles	result_m3	4	0.01	2.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Lower	Period 2	anuran larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 2	lepidopterans, pyralid larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 2	Anchoa spp. flexion larvae	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Lower	Period 2	Craspedacusta sowerbii	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Lower	Period 2	Elops saurus postflexion larvae	result_m3	4	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Lower	Period 2	Hirudinea	result_m3	4	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Lower	Period 2	Syngnathus louisianae juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 2	amphipods, caprellid	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Lower	Period 2	isopod sp. a	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 2	Rhithropanopeus harrisi adults	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Lower	Period 2	appendicularian, Oikopleura dioica	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 2	coleopterans, curculionid adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 2	collembolas, podurid	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00

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Lower	Period 2	hemipterans, gerrid adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 2	mysid sp. A	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 2	trichopteran larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 2	Cyathura polita	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 2	Gambusia holbrooki juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 2	siphonostomatids	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 1	decapod zoeae	result_m3	29	0.02	9.6e+02	13.57	0.61	60.39	59.78	19.97	104.34	233.39	43.34	88.78
Lower	Period 1	Clytia sp.	result_m3	25	0.01	5.1e+02	5.89	2.27	71.41	69.13	8.59	86.62	154.44	30.89	63.75
Lower	Period 1	Gobiosoma spp. postflexion larvae	result_m3	11	0.01	7.6e+01	0.19	0.03	0.94	0.91	0.25	9.50	23.36	7.04	15.69
Lower	Period 1	Americamysis almyra	result_m3	19	0.01	6.1e+01	0.21	0.06	0.84	0.78	0.27	6.84	18.03	4.14	8.69
Lower	Period 1	Anchoa mitchilli juveniles	result_m3	20	0.01	3.0e+01	0.53	0.09	3.29	3.20	0.75	3.26	6.70	1.50	3.14
Lower	Period 1	chaetognaths, sagittid	result_m3	8	0.01	1.5e+01	0.40	0.03	1.75	1.72	0.58	2.40	4.97	1.76	4.15
Lower	Period 1	decapod megalopae	result_m3	12	0.01	1.0e+01	0.10	0.04	1.42	1.37	0.11	2.10	3.81	1.10	2.42
Lower	Period 1	Acartia tonsa	result_m3	6	0.07	5.1e+00	1.55	0.44	1.66	1.22	1.20	1.67	1.84	0.75	1.94
Lower	Period 1	Microgobius spp. postflexion larvae	result_m3	2	1.16	2.0e+00	1.57	1.36	1.77	0.41	0.60	1.57	0.58	0.41	5.18
Lower	Period 1	brachiopod, Glottidia pyramidata larvae	result_m3	1	1.51	1.5e+00	1.51	1.51	1.51	0.00	0.00	1.51	NA	NA	NaN
Lower	Period 1	Brevoortia spp. metamorphs	result_m3	14	0.01	1.0e+01	0.36	0.09	0.92	0.83	0.49	1.25	2.65	0.71	1.53
Lower	Period 1	decapod mysis	result_m3	26	0.01	1.2e+01	0.13	0.04	0.48	0.44	0.15	1.19	2.99	0.59	1.21
Lower	Period 1	cymothoid sp. a (Lironeca) juveniles	result_m3	27	0.01	4.8e+00	0.23	0.07	1.44	1.37	0.33	1.04	1.43	0.28	0.57
Lower	Period 1	Palaemonetes pugio juveniles	result_m3	16	0.01	5.3e+00	0.13	0.04	0.28	0.25	0.16	0.75	1.69	0.42	0.90
Lower	Period 1	gobiid flexion larvae	result_m3	12	0.01	2.6e+00	0.05	0.02	0.50	0.48	0.06	0.50	0.85	0.25	0.54
Lower	Period 1	gastropods, prosobranch	result_m3	21	0.01	2.6e+00	0.10	0.04	0.40	0.36	0.11	0.36	0.60	0.13	0.27
Lower	Period 1	Anchoa spp. flexion larvae	result_m3	4	0.04	5.9e-01	0.38	0.28	0.44	0.16	0.17	0.34	0.23	0.11	0.36
Lower	Period 1	Anchoa mitchilli postflexion larvae	result_m3	4	0.01	5.9e-01	0.30	0.03	0.57	0.54	0.41	0.30	0.32	0.16	0.50
Lower	Period 1	Craspedacusta sowerbii	result_m3	3	0.14	5.4e-01	0.17	0.16	0.36	0.20	0.04	0.28	0.22	0.13	0.55
Lower	Period 1	cirriped nauplius stage	result_m3	2	0.01	4.5e-01	0.23	0.12	0.34	0.22	0.33	0.23	0.31	0.22	2.79
Lower	Period 1	Probopyrus sp. (attached)	result_m3	6	0.01	6.5e-01	0.04	0.04	0.43	0.40	0.02	0.22	0.30	0.12	0.31
Lower	Period 1	unidentified Americamysis juveniles	result_m3	8	0.01	8.0e-01	0.11	0.05	0.16	0.11	0.08	0.18	0.25	0.09	0.21
Lower	Period 1	Polychaeta	result_m3	24	0.01	5.2e-01	0.10	0.07	0.24	0.17	0.10	0.16	0.14	0.03	0.06
Lower	Period 1	Palaemonetes pugio adults	result_m3	11	0.01	4.2e-01	0.05	0.03	0.34	0.31	0.06	0.16	0.18	0.05	0.12
Lower	Period 1	Menidia spp. juveniles	result_m3	7	0.01	7.0e-01	0.09	0.01	0.13	0.12	0.11	0.16	0.24	0.09	0.23
Lower	Period 1	Gobiosoma bosc juveniles	result_m3	2	0.04	2.2e-01	0.13	0.09	0.18	0.09	0.13	0.13	0.13	0.09	1.14
Lower	Period 1	Brevoortia smithi juveniles	result_m3	8	0.01	4.2e-01	0.11	0.09	0.12	0.04	0.03	0.13	0.12	0.04	0.10
Lower	Period 1	Diaptomus sp.	result_m3	2	0.06	2.0e-01	0.13	0.10	0.16	0.07	0.10	0.13	0.10	0.07	0.88
Lower	Period 1	gobiid preflexion larvae	result_m3	10	0.01	3.6e-01	0.07	0.01	0.22	0.20	0.09	0.13	0.13	0.04	0.10
Lower	Period 1	Anchoa spp. preflexion larvae	result_m3	1	0.11	1.1e-01	0.11	0.11	0.11	0.00	0.00	0.11	NA	NA	NaN
Lower	Period 1	Brevoortia patronus juveniles	result_m3	5	0.03	1.5e-01	0.10	0.04	0.14	0.11	0.08	0.09	0.06	0.03	0.07

Lower	Period 1	Elops saurus juveniles	result_m3	1	0.09	9.0e-02	0.09	0.09	0.09	0.00	0.00	0.09	NA	NA	NaN
Lower	Period 1	Palaemonetes spp. postlarvae	result_m3	9	0.01	2.1e-01	0.05	0.01	0.19	0.18	0.06	0.08	0.09	0.03	0.07
Lower	Period 1	Brevoortia spp. postflexion larvae	result_m3	3	0.01	1.5e-01	0.03	0.02	0.09	0.07	0.02	0.06	0.08	0.04	0.19
Lower	Period 1	Anopsilana jonesi	result_m3	2	0.01	1.1e-01	0.06	0.04	0.08	0.05	0.07	0.06	0.07	0.05	0.60
Lower	Period 1	siphonostomatids	result_m3	4	0.01	1.1e-01	0.06	0.01	0.11	0.10	0.07	0.06	0.06	0.03	0.09
Lower	Period 1	Poecilia latipinna juveniles	result_m3	4	0.01	1.1e-01	0.05	0.03	0.07	0.04	0.04	0.06	0.04	0.02	0.06
Lower	Period 1	Edotea triloba	result_m3	9	0.01	1.8e-01	0.03	0.01	0.05	0.04	0.02	0.06	0.06	0.02	0.05
Lower	Period 1	Trinectes maculatus postflexion larvae	result_m3	5	0.01	9.0e-02	0.06	0.01	0.07	0.06	0.05	0.05	0.04	0.02	0.04
Lower	Period 1	ostracods, podocopid	result_m3	6	0.01	1.8e-01	0.01	0.01	0.03	0.01	0.00	0.04	0.07	0.03	0.07
Lower	Period 1	Microgobius gulosus juveniles	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Lower	Period 1	Cyclops sp.	result_m3	2	0.01	7.0e-02	0.04	0.03	0.05	0.03	0.04	0.04	0.04	0.03	0.35
Lower	Period 1	amphipods, gammaridean	result_m3	11	0.01	1.6e-01	0.02	0.01	0.05	0.03	0.02	0.04	0.04	0.01	0.03
Lower	Period 1	Pseudodiaptomus coronatus	result_m3	3	0.01	9.0e-02	0.01	0.01	0.05	0.04	0.00	0.04	0.04	0.02	0.10
Lower	Period 1	Trinectes maculatus juveniles	result_m3	3	0.01	8.0e-02	0.01	0.01	0.04	0.03	0.00	0.03	0.04	0.02	0.09
Lower	Period 1	pelecypods	result_m3	11	0.01	6.0e-02	0.03	0.01	0.04	0.03	0.02	0.03	0.02	0.01	0.01
Lower	Period 1	Elops saurus postflexion larvae	result_m3	2	0.01	4.0e-02	0.03	0.02	0.03	0.01	0.02	0.03	0.02	0.01	0.18
Lower	Period 1	Gobiosoma robustum juveniles	result_m3	4	0.01	6.0e-02	0.01	0.01	0.03	0.01	0.00	0.03	0.03	0.01	0.04
Lower	Period 1	Rhithropanopeus harrisii juveniles	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 1	cumaceans	result_m3	2	0.01	4.0e-02	0.03	0.02	0.03	0.01	0.02	0.03	0.02	0.01	0.15
Lower	Period 1	Anchoa mitchilli adults	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Lower	Period 1	Fundulus grandis postflexion larvae	result_m3	2	0.01	4.0e-02	0.02	0.02	0.03	0.01	0.02	0.02	0.01	0.01	0.14
Lower	Period 1	Sphaeroma terebrans	result_m3	2	0.01	3.0e-02	0.02	0.02	0.03	0.01	0.02	0.02	0.01	0.01	0.14
Lower	Period 1	alphaeid postlarvae	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Lower	Period 1	Gambusia holbrooki juveniles	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Lower	Period 1	dipterans, pupae	result_m3	2	0.01	3.0e-02	0.02	0.02	0.03	0.01	0.01	0.02	0.01	0.01	0.11
Lower	Period 1	Syngnathus scovelli juveniles	result_m3	2	0.01	3.0e-02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.08
Lower	Period 1	odonates, zygoteran larvae	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Lower	Period 1	Microgobius spp. flexion larvae	result_m3	4	0.01	3.0e-02	0.02	0.01	0.03	0.01	0.01	0.02	0.01	0.00	0.01
Lower	Period 1	Pinnixa sayana juveniles	result_m3	2	0.01	3.0e-02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.08
Lower	Period 1	Menidia spp. preflexion larvae	result_m3	2	0.01	2.0e-02	0.02	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.07
Lower	Period 1	dipterans, ceratopogonid larvae	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Lower	Period 1	dipterans, chironomid larvae	result_m3	8	0.01	3.0e-02	0.01	0.01	0.02	0.00	0.00	0.01	0.00	0.00	0.00
Lower	Period 1	Anchoa cubana juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 1	Heterandria formosa juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 1	Lucania parva juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 1	amphipods, caprellid	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 1	dipterans, stratiomyid larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN

Lower	Period 1	Gambusia holbrooki adults	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Lower	Period 1	Hirudinea	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 1	Tilapia melanotheron juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 1	branchiurans, Argulus spp.	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 1	coleopterans, dytiscid larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 1	Bowmaniella dissimilis	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 1	Fundulus spp. eggs	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 1	Fundulus seminolis postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 1	Tilapia spp. postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Lower	Period 1	Menidia spp. flexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 5	decapod zoeae	result_m3	10	9.39	4.3e+05	279.37	24.66	119356.43	119331.77	396.36	77981.76	135541.70	42862.05	96960.69
Middle	Period 5	Gobiosoma spp. postflexion larvae	result_m3	8	0.08	2.0e+04	0.20	0.16	1520.99	1520.83	0.12	3317.87	7245.70	2561.74	6057.55
Middle	Period 5	amphipods, gammaridean	result_m3	10	0.03	3.1e+03	0.84	0.06	2210.96	2210.91	1.20	981.87	1320.33	417.52	944.51
Middle	Period 5	gobiid preflexion larvae	result_m3	4	219.99	1.1e+03	389.39	222.09	686.16	464.07	249.08	518.86	403.94	201.97	642.76
Middle	Period 5	gobiid flexion larvae	result_m3	4	0.04	9.4e+02	481.67	145.05	812.98	667.94	555.00	476.36	450.94	225.47	717.55
Middle	Period 5	Americamysis almyra	result_m3	10	0.03	2.2e+03	0.20	0.10	759.15	759.05	0.24	461.77	750.80	237.42	537.09
Middle	Period 5	Polychaeta	result_m3	11	0.03	3.0e+03	0.28	0.06	73.33	73.26	0.38	390.02	933.11	281.34	626.87
Middle	Period 5	Craspedacusta sowerbii	result_m3	5	0.11	7.5e+02	49.51	0.31	555.99	555.68	73.24	271.92	357.03	159.67	443.31
Middle	Period 5	decapod mysis	result_m3	8	0.03	7.1e+02	62.27	0.07	324.80	324.73	92.26	193.34	262.95	92.97	219.83
Middle	Period 5	cumaceans	result_m3	2	99.02	2.4e+02	170.38	134.70	206.05	71.36	105.80	170.38	100.92	71.36	906.69
Middle	Period 5	Brevoortia spp. metamorphs	result_m3	2	74.26	2.7e+02	170.08	122.17	218.00	95.82	142.06	170.08	135.51	95.82	1217.53
Middle	Period 5	unidentified Americamysis juveniles	result_m3	8	0.03	7.3e+02	0.09	0.07	179.44	179.37	0.08	162.04	285.01	100.77	238.27
Middle	Period 5	dipterans, chironomid larvae	result_m3	11	0.02	8.9e+02	0.12	0.03	36.84	36.81	0.15	140.01	301.64	90.95	202.64
Middle	Period 5	Clytia sp.	result_m3	3	0.03	1.9e+02	161.50	80.76	176.99	96.23	45.95	118.01	103.34	59.66	256.71
Middle	Period 5	Menidia spp. preflexion larvae	result_m3	1	96.69	9.7e+01	96.69	96.69	96.69	0.00	0.00	96.69	NA	NA	NaN
Middle	Period 5	cirriped nauplius stage	result_m3	1	82.50	8.2e+01	82.50	82.50	82.50	0.00	0.00	82.50	NA	NA	NaN
Middle	Period 5	Mesocyclops edax	result_m3	2	24.75	1.2e+02	72.81	48.78	96.84	48.06	71.25	72.81	67.96	48.06	610.61
Middle	Period 5	cymothoid sp. a (Livoneca) juveniles	result_m3	7	0.03	3.5e+02	0.07	0.05	68.79	68.74	0.03	69.67	133.77	50.56	123.72
Middle	Period 5	Microgobius spp. postflexion larvae	result_m3	1	55.00	5.5e+01	55.00	55.00	55.00	0.00	0.00	55.00	NA	NA	NaN
Middle	Period 5	Palaemonetes spp. postlarvae	result_m3	2	27.50	8.1e+01	54.12	40.81	67.44	26.63	39.48	54.12	37.65	26.63	338.31
Middle	Period 5	dipterans, pupae	result_m3	2	0.04	1.1e+02	53.85	26.94	80.76	53.81	79.79	53.85	76.11	53.81	683.78
Middle	Period 5	Anchoa mitchilli postflexion larvae	result_m3	1	53.83	5.4e+01	53.83	53.83	53.83	0.00	0.00	53.83	NA	NA	NaN
Middle	Period 5	Menidia spp. flexion larvae	result_m3	1	49.51	5.0e+01	49.51	49.51	49.51	0.00	0.00	49.51	NA	NA	NaN
Middle	Period 5	ephemeropteran larvae	result_m3	1	49.51	5.0e+01	49.51	49.51	49.51	0.00	0.00	49.51	NA	NA	NaN
Middle	Period 5	Sphaeroma terebrans	result_m3	7	0.02	1.6e+02	0.15	0.03	24.95	24.93	0.19	30.24	60.74	22.96	56.17
Middle	Period 5	Anchoa mitchilli juveniles	result_m3	2	26.92	2.8e+01	27.21	27.06	27.35	0.29	0.43	27.21	0.41	0.29	3.70
Middle	Period 5	Elops saurus postflexion larvae	result_m3	1	24.75	2.5e+01	24.75	24.75	24.75	0.00	0.00	24.75	NA	NA	NaN

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Middle	Period 5	Hirudinea	result_m3	1	24.75	2.5e+01	24.75	24.75	24.75	0.00	0.00	24.75	NA	NA	NaN
Middle	Period 5	collembolas, podurid	result_m3	1	24.75	2.5e+01	24.75	24.75	24.75	0.00	0.00	24.75	NA	NA	NaN
Middle	Period 5	Cassinidea ovalis	result_m3	5	0.03	7.3e+01	0.07	0.06	49.51	49.45	0.07	24.44	34.37	15.37	42.67
Middle	Period 5	Menidia spp. juveniles	result_m3	1	24.17	2.4e+01	24.17	24.17	24.17	0.00	0.00	24.17	NA	NA	NaN
Middle	Period 5	Metamysidopsis swifti	result_m3	1	24.17	2.4e+01	24.17	24.17	24.17	0.00	0.00	24.17	NA	NA	NaN
Middle	Period 5	dipteran, Chaoborus punctipennis larvae	result_m3	1	24.17	2.4e+01	24.17	24.17	24.17	0.00	0.00	24.17	NA	NA	NaN
Middle	Period 5	decapod megalopae	result_m3	3	0.07	5.4e+01	0.12	0.10	26.98	26.88	0.07	18.01	31.02	17.91	77.07
Middle	Period 5	ostracods, podocopid	result_m3	5	0.03	5.0e+01	1.55	0.03	24.17	24.14	2.25	15.06	21.82	9.76	27.09
Middle	Period 5	pelecypods	result_m3	3	0.03	2.5e+01	0.12	0.07	12.44	12.36	0.13	8.30	14.25	8.23	35.40
Middle	Period 5	gastropods, prosobranch	result_m3	6	0.03	2.5e+01	0.04	0.03	0.28	0.25	0.02	4.21	10.07	4.11	10.56
Middle	Period 5	Palaemonetes pugio adults	result_m3	1	0.07	7.0e-02	0.07	0.07	0.07	0.00	0.00	0.07	NA	NA	NaN
Middle	Period 5	Trinectes maculatus postflexion larvae	result_m3	2	0.04	9.0e-02	0.06	0.05	0.08	0.03	0.04	0.06	0.04	0.03	0.36
Middle	Period 5	cymothoid sp. a (Livoneca)	result_m3	1	0.06	6.0e-02	0.06	0.06	0.06	0.00	0.00	0.06	NA	NA	NaN
Middle	Period 5	Bathygobius soporator postflexion larvae	result_m3	4	0.03	1.0e-01	0.06	0.03	0.09	0.06	0.05	0.06	0.04	0.02	0.06
Middle	Period 5	Edotea triloba	result_m3	2	0.03	6.0e-02	0.05	0.04	0.05	0.02	0.02	0.05	0.02	0.02	0.20
Middle	Period 5	Gobiosoma robustum juveniles	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Middle	Period 5	hemipterans, corixid adults	result_m3	2	0.03	4.0e-02	0.03	0.03	0.04	0.00	0.00	0.03	0.00	0.00	0.04
Middle	Period 5	hemipterans, corixid juveniles	result_m3	2	0.03	4.0e-02	0.03	0.03	0.04	0.00	0.00	0.03	0.00	0.00	0.04
Middle	Period 5	Cirolana jonesi	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Middle	Period 5	Microgobius gulosus juveniles	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Middle	Period 5	Heteromysis sp.	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Middle	Period 5	Uromunna reynoldsi	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Middle	Period 5	hemipterans, gerrid adults	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Middle	Period 5	Sinelobus stanfordi	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Middle	Period 5	nematodes	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Middle	Period 5	oligochaetes	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Middle	Period 4	decapod zoeae	result_m3	12	4.32	3.2e+02	84.94	35.72	173.97	138.25	86.72	116.81	105.11	30.34	66.78
Middle	Period 4	amphipods, gammaridean	result_m3	12	0.08	1.3e+01	1.42	0.17	4.91	4.74	1.97	3.46	4.40	1.27	2.80
Middle	Period 4	Ergasilus sp.	result_m3	1	1.03	1.0e+00	1.03	1.03	1.03	0.00	0.00	1.03	NA	NA	NaN
Middle	Period 4	cymothoid sp. a (Lironeca) juveniles	result_m3	5	0.02	2.8e+00	0.07	0.03	0.85	0.83	0.07	0.75	1.18	0.53	1.47
Middle	Period 4	Anchoa mitchilli juveniles	result_m3	3	0.03	1.1e+00	0.12	0.07	0.59	0.52	0.13	0.40	0.57	0.33	1.43
Middle	Period 4	Polychaeta	result_m3	12	0.03	1.1e+00	0.27	0.07	0.57	0.50	0.31	0.38	0.36	0.10	0.23
Middle	Period 4	unidentified Americamysis juveniles	result_m3	4	0.01	4.3e-01	0.07	0.05	0.16	0.12	0.05	0.14	0.19	0.10	0.31
Middle	Period 4	Pseudodiaptomus coronatus	result_m3	2	0.03	2.2e-01	0.12	0.07	0.17	0.10	0.15	0.12	0.14	0.10	1.25
Middle	Period 4	Mesocyclops edax	result_m3	2	0.10	1.3e-01	0.11	0.10	0.12	0.02	0.03	0.11	0.03	0.02	0.22
Middle	Period 4	decapod megalopae	result_m3	6	0.01	4.4e-01	0.03	0.01	0.11	0.10	0.02	0.11	0.17	0.07	0.18
Middle	Period 4	Americamysis almyra	result_m3	5	0.01	3.2e-01	0.03	0.02	0.15	0.12	0.02	0.11	0.13	0.06	0.17

Middle	Period 4	Acartia tonsa	result_m3	3	0.01	2.2e-01	0.03	0.02	0.12	0.10	0.02	0.09	0.12	0.07	0.29
Middle	Period 4	Clytia sp.	result_m3	2	0.01	1.6e-01	0.09	0.05	0.12	0.07	0.11	0.09	0.10	0.07	0.94
Middle	Period 4	gobiid preflexion larvae	result_m3	3	0.01	1.8e-01	0.05	0.03	0.12	0.09	0.06	0.08	0.09	0.05	0.22
Middle	Period 4	pelecypods	result_m3	5	0.01	1.5e-01	0.03	0.02	0.05	0.03	0.02	0.05	0.06	0.03	0.07
Middle	Period 4	gastropods, prosobranch	result_m3	6	0.03	8.0e-02	0.04	0.04	0.05	0.01	0.01	0.05	0.02	0.01	0.02
Middle	Period 4	unidentified freshwater cyclopoids	result_m3	3	0.03	7.0e-02	0.04	0.03	0.06	0.03	0.02	0.04	0.03	0.01	0.06
Middle	Period 4	Gobiosoma spp. postflexion larvae	result_m3	2	0.03	5.0e-02	0.04	0.03	0.04	0.01	0.02	0.04	0.02	0.01	0.17
Middle	Period 4	Cassinidea ovalis	result_m3	9	0.01	7.0e-02	0.04	0.03	0.04	0.02	0.02	0.04	0.02	0.01	0.01
Middle	Period 4	Menidia spp. preflexion larvae	result_m3	5	0.01	7.0e-02	0.02	0.02	0.04	0.01	0.02	0.03	0.02	0.01	0.03
Middle	Period 4	decapod mysis	result_m3	7	0.01	7.0e-02	0.03	0.01	0.05	0.04	0.02	0.03	0.02	0.01	0.02
Middle	Period 4	Edotea triloba	result_m3	2	0.02	4.0e-02	0.03	0.03	0.03	0.01	0.01	0.03	0.01	0.01	0.08
Middle	Period 4	dipterans, chironomid larvae	result_m3	8	0.01	6.0e-02	0.02	0.01	0.04	0.03	0.01	0.03	0.02	0.01	0.02
Middle	Period 4	Anopsilana jonesi	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Middle	Period 4	Chrysaora quinquecirrha	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Middle	Period 4	Gobiosox strumosus preflexion larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Middle	Period 4	Menidia spp. juveniles	result_m3	2	0.01	3.0e-02	0.02	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.09
Middle	Period 4	Trinectes maculatus postflexion larvae	result_m3	3	0.01	3.0e-02	0.01	0.01	0.02	0.01	0.00	0.02	0.01	0.00	0.02
Middle	Period 4	Gambusia holbrooki juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 4	Sphaeroma terebrans	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 4	Diaptomus sp.	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Middle	Period 4	Lepomis macrochirus juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 4	Lucania parva juveniles	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Middle	Period 4	Micropterus salmoides juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 4	collembolas, podurid	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 4	lepidopterans, pyralid larvae	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Middle	Period 4	trichopteran larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 4	coleopterans, elmid larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 3	decapod zoeae	result_m3	40	0.27	4.9e+02	27.68	10.32	65.15	54.83	33.72	57.74	89.18	14.10	28.52
Middle	Period 3	Clytia sp.	result_m3	4	0.03	1.6e+01	2.89	1.16	7.12	5.96	3.13	5.38	7.12	3.56	11.32
Middle	Period 3	amphipods, gammaridean	result_m3	26	0.01	1.4e+01	0.07	0.04	0.52	0.48	0.09	1.33	3.37	0.66	1.36
Middle	Period 3	Americamysis almyra	result_m3	8	0.03	4.7e+00	0.18	0.12	0.34	0.22	0.17	0.75	1.58	0.56	1.32
Middle	Period 3	Pseudodiaptomus coronatus	result_m3	4	0.01	2.0e+00	0.08	0.02	0.60	0.59	0.09	0.54	0.98	0.49	1.56
Middle	Period 3	Gobiosoma spp. postflexion larvae	result_m3	5	0.01	2.2e+00	0.03	0.02	0.38	0.36	0.03	0.53	0.96	0.43	1.19
Middle	Period 3	Diaphanosoma brachyurum	result_m3	1	0.44	4.4e-01	0.44	0.44	0.44	0.00	0.00	0.44	NA	NA	NaN
Middle	Period 3	Acartia tonsa	result_m3	7	0.01	1.9e+00	0.06	0.02	0.17	0.15	0.07	0.33	0.68	0.26	0.63
Middle	Period 3	dipterans, culicid larvae	result_m3	2	0.16	3.8e-01	0.27	0.21	0.32	0.11	0.17	0.27	0.16	0.11	1.43
Middle	Period 3	unidentified Americamysis juveniles	result_m3	6	0.01	8.3e-01	0.18	0.07	0.28	0.20	0.16	0.26	0.30	0.12	0.31

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Middle	Period 3	Polychaeta	result_m3	31	0.01	1.5e+00	0.09	0.04	0.28	0.23	0.10	0.25	0.36	0.06	0.13
Middle	Period 3	ostracods, podocopid	result_m3	1	0.23	2.3e-01	0.23	0.23	0.23	0.00	0.00	0.23	NA	NA	NaN
Middle	Period 3	gastropods, prosobranch	result_m3	24	0.01	9.7e-01	0.07	0.02	0.18	0.16	0.09	0.18	0.26	0.05	0.11
Middle	Period 3	Anchoa mitchilli juveniles	result_m3	13	0.01	7.0e-01	0.07	0.01	0.19	0.17	0.08	0.16	0.20	0.06	0.12
Middle	Period 3	Palaemonetes spp. postlarvae	result_m3	6	0.02	7.2e-01	0.03	0.03	0.04	0.02	0.01	0.14	0.28	0.11	0.29
Middle	Period 3	cymothoid sp. a (Lironeca) juveniles	result_m3	15	0.01	5.5e-01	0.04	0.01	0.19	0.18	0.04	0.13	0.18	0.05	0.10
Middle	Period 3	decapod mysis	result_m3	23	0.01	9.9e-01	0.06	0.04	0.13	0.09	0.05	0.12	0.20	0.04	0.09
Middle	Period 3	decapod megalopae	result_m3	11	0.01	2.9e-01	0.07	0.05	0.15	0.11	0.07	0.10	0.09	0.03	0.06
Middle	Period 3	oligochaetes	result_m3	3	0.04	1.3e-01	0.12	0.08	0.12	0.04	0.01	0.10	0.05	0.03	0.12
Middle	Period 3	pelecypods	result_m3	9	0.01	5.4e-01	0.03	0.01	0.05	0.03	0.02	0.09	0.17	0.06	0.13
Middle	Period 3	gobiid preflexion larvae	result_m3	7	0.01	1.4e-01	0.06	0.03	0.08	0.06	0.04	0.06	0.04	0.02	0.04
Middle	Period 3	Cassinidea ovalis	result_m3	26	0.01	1.3e-01	0.04	0.03	0.09	0.06	0.04	0.06	0.04	0.01	0.02
Middle	Period 3	Oithona spp.	result_m3	3	0.01	1.4e-01	0.02	0.01	0.08	0.06	0.00	0.06	0.07	0.04	0.17
Middle	Period 3	Anopsilana jonesi	result_m3	2	0.05	6.0e-02	0.05	0.05	0.06	0.00	0.00	0.05	0.00	0.00	0.03
Middle	Period 3	dipterans, chironomid larvae	result_m3	15	0.01	2.7e-01	0.03	0.01	0.04	0.02	0.02	0.05	0.07	0.02	0.04
Middle	Period 3	Ergasilus sp.	result_m3	1	0.05	5.0e-02	0.05	0.05	0.05	0.00	0.00	0.05	NA	NA	NaN
Middle	Period 3	Edotea triloba	result_m3	11	0.01	1.8e-01	0.02	0.01	0.04	0.02	0.01	0.04	0.06	0.02	0.04
Middle	Period 3	Menidia spp. preflexion larvae	result_m3	3	0.03	6.0e-02	0.04	0.04	0.05	0.01	0.02	0.04	0.01	0.01	0.03
Middle	Period 3	Anchoa mitchilli eggs	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Middle	Period 3	dipterans, pupae	result_m3	9	0.01	9.0e-02	0.03	0.02	0.04	0.02	0.02	0.04	0.02	0.01	0.02
Middle	Period 3	Macrocyclus albidus	result_m3	2	0.02	5.0e-02	0.04	0.03	0.04	0.01	0.02	0.04	0.02	0.01	0.14
Middle	Period 3	Gobiesox strumosus postflexion larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Middle	Period 3	coleopterans, gyrid larvae	result_m3	2	0.01	5.0e-02	0.03	0.02	0.04	0.02	0.03	0.03	0.03	0.02	0.23
Middle	Period 3	Gambusia holbrooki juveniles	result_m3	2	0.02	4.0e-02	0.03	0.02	0.04	0.01	0.02	0.03	0.02	0.01	0.17
Middle	Period 3	Microgobius spp. postflexion larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Middle	Period 3	Munna reynoldsi	result_m3	2	0.01	5.0e-02	0.03	0.02	0.04	0.02	0.03	0.03	0.03	0.02	0.23
Middle	Period 3	hemipterans, corixid juveniles	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Middle	Period 3	coleopterans, noterid adults	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Middle	Period 3	gobiid flexion larvae	result_m3	4	0.01	4.0e-02	0.02	0.02	0.03	0.02	0.01	0.03	0.01	0.01	0.02
Middle	Period 3	cladocerans, Daphnia spp.	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Middle	Period 3	coleopterans, noterid larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Middle	Period 3	dipteran, Chaoborus punctipennis larvae	result_m3	4	0.01	5.0e-02	0.02	0.01	0.03	0.02	0.01	0.03	0.02	0.01	0.03
Middle	Period 3	nematodes	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Middle	Period 3	coleopterans, halipid larvae	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Middle	Period 3	collembolas, podurid	result_m3	5	0.01	3.0e-02	0.03	0.02	0.03	0.00	0.00	0.02	0.01	0.00	0.01
Middle	Period 3	cumaceans	result_m3	5	0.01	4.0e-02	0.02	0.01	0.03	0.01	0.01	0.02	0.01	0.00	0.01
Middle	Period 3	Diaptomus sp.	result_m3	4	0.01	3.0e-02	0.02	0.02	0.03	0.00	0.00	0.02	0.01	0.00	0.01

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Middle	Period 3	Sphaeroma terebrans	result_m3	4	0.01	5.0e-02	0.01	0.01	0.02	0.01	0.00	0.02	0.02	0.01	0.03
Middle	Period 3	Cyclops sp.	result_m3	4	0.01	4.0e-02	0.01	0.01	0.02	0.01	0.00	0.02	0.01	0.01	0.02
Middle	Period 3	hemipterans, corixid adults	result_m3	2	0.01	3.0e-02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.08
Middle	Period 3	Palaemonetes pugio juveniles	result_m3	4	0.01	3.0e-02	0.01	0.01	0.02	0.01	0.00	0.02	0.01	0.00	0.01
Middle	Period 3	Brevoortia spp. metamorphs	result_m3	3	0.01	3.0e-02	0.01	0.01	0.02	0.01	0.00	0.02	0.01	0.00	0.02
Middle	Period 3	coleopterans, elmid adults	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Middle	Period 3	lepidopterans, pyralid larvae	result_m3	4	0.01	3.0e-02	0.02	0.01	0.02	0.00	0.00	0.02	0.01	0.00	0.01
Middle	Period 3	odonates, zygoteran larvae	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Middle	Period 3	Lucifer faxoni juveniles and adults	result_m3	2	0.01	2.0e-02	0.02	0.01	0.02	0.00	0.00	0.02	0.00	0.00	0.01
Middle	Period 3	dipterans, muscid larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 3	dipterans, stratiomyid larvae	result_m3	2	0.01	2.0e-02	0.01	0.01	0.02	0.00	0.00	0.01	0.00	0.00	0.03
Middle	Period 3	dipterans, tabanid larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 3	hemipterans, pleid adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 3	Anchoa mitchilli postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 3	Lucania parva juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 3	Mugil cephalus juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 3	Palaemonetes pugio adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 3	branchiurans, Argulus spp.	result_m3	4	0.01	2.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Middle	Period 3	isopod sp. a	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 3	Elops saurus postflexion larvae	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Middle	Period 3	Hirudinea	result_m3	4	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Middle	Period 3	Lepomis punctatus juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 3	Menidia spp. postflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 3	Trinectes maculatus juveniles	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.02
Middle	Period 3	trichopteran larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 3	Labidesthes sicculus flexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 3	Labidocera aestiva	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 3	Lucania parva adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 3	hemipterans, belostomatid adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 3	hemipterans, gerrid adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 3	unidentified harpacticoids	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 2	decapod zoeae	result_m3	59	0.01	3.1e+02	42.03	5.69	92.56	86.88	59.67	67.52	81.16	10.57	21.15
Middle	Period 2	Clytia sp.	result_m3	19	0.01	2.2e+02	0.23	0.07	61.52	61.45	0.31	35.05	58.62	13.45	28.25
Middle	Period 2	Acartia tonsa	result_m3	17	0.01	6.6e+01	0.35	0.08	11.21	11.13	0.50	9.31	18.08	4.39	9.30
Middle	Period 2	Americamysis almyra	result_m3	29	0.01	7.5e+01	0.13	0.04	0.59	0.55	0.16	6.38	16.46	3.06	6.26
Middle	Period 2	unidentified Americamysis juveniles	result_m3	18	0.01	2.7e+01	0.08	0.04	0.33	0.29	0.10	3.61	8.37	1.97	4.16
Middle	Period 2	Polychaeta	result_m3	54	0.01	8.8e+01	0.16	0.05	0.41	0.36	0.19	2.64	12.40	1.69	3.39

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Middle	Period 2	decapod mysis	result_m3	42	0.01	5.0e+01	0.07	0.03	0.23	0.20	0.09	2.18	8.20	1.26	2.55
Middle	Period 2	decapod megalopae	result_m3	23	0.01	2.0e+01	0.10	0.04	2.23	2.20	0.13	2.11	4.85	1.01	2.10
Middle	Period 2	Anchoa mitchilli eggs	result_m3	2	0.15	3.5e+00	1.83	0.99	2.67	1.68	2.49	1.83	2.38	1.68	21.35
Middle	Period 2	medusa, sp. f (28 long, slender tentacles)	result_m3	2	1.21	1.5e+00	1.36	1.29	1.44	0.15	0.22	1.36	0.21	0.15	1.91
Middle	Period 2	amphipods, gammaridean	result_m3	37	0.01	1.6e+01	0.09	0.03	0.31	0.28	0.11	1.02	3.00	0.49	1.00
Middle	Period 2	chaetognaths, sagittid	result_m3	9	0.01	7.4e+00	0.01	0.01	0.65	0.64	0.00	0.99	2.43	0.81	1.87
Middle	Period 2	Gobiosoma spp. postflexion larvae	result_m3	20	0.01	3.2e+00	0.21	0.06	0.65	0.59	0.29	0.50	0.78	0.17	0.36
Middle	Period 2	Microgobius spp. postflexion larvae	result_m3	12	0.01	2.4e+00	0.03	0.01	0.20	0.19	0.02	0.39	0.76	0.22	0.48
Middle	Period 2	gobiid flexion larvae	result_m3	17	0.01	1.1e+00	0.07	0.01	0.38	0.37	0.08	0.26	0.33	0.08	0.17
Middle	Period 2	Microgobius spp. flexion larvae	result_m3	4	0.01	4.9e-01	0.23	0.01	0.46	0.44	0.32	0.24	0.26	0.13	0.42
Middle	Period 2	gastropods, prosobranch	result_m3	38	0.01	1.6e+00	0.07	0.03	0.23	0.20	0.09	0.23	0.38	0.06	0.12
Middle	Period 2	Palaemonetes spp. postlarvae	result_m3	17	0.01	2.0e+00	0.04	0.03	0.14	0.11	0.04	0.21	0.47	0.12	0.24
Middle	Period 2	Menidia spp. postflexion larvae	result_m3	4	0.07	5.3e-01	0.12	0.08	0.25	0.17	0.06	0.21	0.22	0.11	0.35
Middle	Period 2	Menidia spp. adults	result_m3	1	0.21	2.1e-01	0.21	0.21	0.21	0.00	0.00	0.21	NA	NA	NaN
Middle	Period 2	Diaptomus sp.	result_m3	4	0.01	5.1e-01	0.02	0.01	0.15	0.14	0.01	0.14	0.25	0.12	0.39
Middle	Period 2	Pseudodiaptomus coronatus	result_m3	4	0.01	3.0e-01	0.06	0.02	0.15	0.13	0.07	0.11	0.13	0.06	0.21
Middle	Period 2	Anchoa mitchilli juveniles	result_m3	14	0.01	3.0e-01	0.04	0.01	0.22	0.21	0.04	0.11	0.11	0.03	0.07
Middle	Period 2	dipterans, chironomid larvae	result_m3	19	0.01	5.2e-01	0.02	0.01	0.06	0.04	0.01	0.09	0.14	0.03	0.07
Middle	Period 2	Gobiosoma robustum juveniles	result_m3	4	0.01	1.4e-01	0.09	0.05	0.13	0.08	0.06	0.08	0.06	0.03	0.10
Middle	Period 2	Cassidinidea ovalis	result_m3	26	0.01	7.6e-01	0.03	0.01	0.09	0.07	0.03	0.08	0.15	0.03	0.06
Middle	Period 2	dipteran, Chaoborus punctipennis larvae	result_m3	5	0.01	1.2e-01	0.10	0.05	0.11	0.06	0.03	0.08	0.04	0.02	0.06
Middle	Period 2	Menidia spp. preflexion larvae	result_m3	24	0.01	5.6e-01	0.04	0.02	0.09	0.07	0.03	0.08	0.12	0.02	0.05
Middle	Period 2	hemipterans, gerrid adults	result_m3	3	0.04	1.0e-01	0.09	0.06	0.09	0.03	0.01	0.07	0.03	0.02	0.07
Middle	Period 2	Menidia spp. flexion larvae	result_m3	5	0.01	1.6e-01	0.01	0.01	0.14	0.13	0.00	0.07	0.08	0.03	0.10
Middle	Period 2	cymothoid sp. a (Lironeca) juveniles	result_m3	19	0.01	2.7e-01	0.04	0.02	0.06	0.05	0.03	0.07	0.08	0.02	0.04
Middle	Period 2	medusa sp. c	result_m3	1	0.07	7.0e-02	0.07	0.07	0.07	0.00	0.00	0.07	NA	NA	NaN
Middle	Period 2	dipterans, pupae	result_m3	9	0.01	2.0e-01	0.02	0.01	0.09	0.08	0.00	0.07	0.08	0.03	0.06
Middle	Period 2	gobiid preflexion larvae	result_m3	21	0.01	2.8e-01	0.03	0.01	0.04	0.03	0.02	0.06	0.08	0.02	0.04
Middle	Period 2	ostracods, podocopid	result_m3	11	0.01	3.1e-01	0.03	0.01	0.05	0.04	0.02	0.06	0.09	0.03	0.06
Middle	Period 2	Microgobius gulosus juveniles	result_m3	1	0.06	6.0e-02	0.06	0.06	0.06	0.00	0.00	0.06	NA	NA	NaN
Middle	Period 2	Menidia spp. juveniles	result_m3	7	0.01	1.8e-01	0.03	0.01	0.06	0.05	0.02	0.05	0.06	0.02	0.06
Middle	Period 2	pelecypods	result_m3	19	0.01	1.6e-01	0.04	0.02	0.07	0.04	0.03	0.05	0.05	0.01	0.02
Middle	Period 2	cumaceans	result_m3	11	0.01	2.1e-01	0.02	0.01	0.05	0.04	0.01	0.04	0.06	0.02	0.04
Middle	Period 2	Craspedacusta sowerbii	result_m3	3	0.01	7.0e-02	0.03	0.02	0.05	0.03	0.02	0.04	0.03	0.02	0.08
Middle	Period 2	Sphaeroma terebrans	result_m3	15	0.01	1.2e-01	0.03	0.01	0.05	0.03	0.02	0.04	0.03	0.01	0.02
Middle	Period 2	gobiid eggs	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Middle	Period 2	Ergasilus sp.	result_m3	4	0.01	6.0e-02	0.03	0.02	0.04	0.02	0.02	0.03	0.02	0.01	0.03

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Middle	Period 2	Cyclops sp.	result_m3	7	0.01	6.0e-02	0.03	0.01	0.04	0.03	0.03	0.03	0.02	0.01	0.02
Middle	Period 2	Edotea triloba	result_m3	13	0.01	1.5e-01	0.01	0.01	0.03	0.01	0.00	0.03	0.04	0.01	0.02
Middle	Period 2	nematodes	result_m3	4	0.01	4.0e-02	0.03	0.02	0.04	0.03	0.02	0.03	0.02	0.01	0.03
Middle	Period 2	Palaemonetes pugio juveniles	result_m3	11	0.01	7.0e-02	0.01	0.01	0.03	0.02	0.00	0.03	0.02	0.01	0.02
Middle	Period 2	cirriped nauplius stage	result_m3	4	0.01	4.0e-02	0.03	0.02	0.03	0.01	0.01	0.03	0.01	0.01	0.02
Middle	Period 2	Lucifer faxoni juveniles and adults	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Middle	Period 2	Mesocyclops edax	result_m3	2	0.01	4.0e-02	0.03	0.02	0.03	0.01	0.02	0.03	0.02	0.01	0.16
Middle	Period 2	cladocerans, Daphnia spp.	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Middle	Period 2	Anopsilana jonesi	result_m3	9	0.01	6.0e-02	0.01	0.01	0.03	0.01	0.00	0.02	0.02	0.00	0.01
Middle	Period 2	Gambusia holbrooki adults	result_m3	3	0.01	4.0e-02	0.01	0.01	0.03	0.02	0.00	0.02	0.02	0.01	0.05
Middle	Period 2	Simocephalus vetulus	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Middle	Period 2	collembolas, podurid	result_m3	2	0.02	3.0e-02	0.02	0.02	0.03	0.00	0.00	0.02	0.00	0.00	0.01
Middle	Period 2	Gambusia holbrooki juveniles	result_m3	5	0.01	6.0e-02	0.01	0.01	0.01	0.00	0.00	0.02	0.02	0.01	0.02
Middle	Period 2	Tilapia melanotheron juveniles	result_m3	2	0.01	3.0e-02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.08
Middle	Period 2	Chrysaora quinquecirrha	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Middle	Period 2	Loliguncula brevis juveniles	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Middle	Period 2	Munna reynoldsi	result_m3	4	0.01	3.0e-02	0.01	0.01	0.02	0.00	0.00	0.02	0.01	0.00	0.01
Middle	Period 2	ephemeropteran larvae	result_m3	4	0.01	3.0e-02	0.01	0.01	0.02	0.00	0.00	0.02	0.01	0.00	0.01
Middle	Period 2	Sida crystallina	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Middle	Period 2	Anchoa mitchilli adults	result_m3	4	0.01	2.0e-02	0.01	0.01	0.02	0.00	0.00	0.01	0.00	0.00	0.00
Middle	Period 2	Cyathura polita	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 2	Membras martinica preflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 2	dipterans, stratiomyid larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 2	hemipterans, nepid adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 2	hemipterans, pleid adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 2	Acari	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 2	Anchoa spp. flexion larvae	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Middle	Period 2	Gobiesox strumosus juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 2	Hirudinea	result_m3	7	0.01	2.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Middle	Period 2	Lucania parva juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 2	Parasterope pollex	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Middle	Period 2	Rhithropanopeus harrisi adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 2	Rhithropanopeus harrisi juveniles	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.02
Middle	Period 2	Trinectes maculatus juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 2	oligochaetes	result_m3	6	0.01	2.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Middle	Period 2	Brevoortia spp. metamorphs	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 2	Dorosoma spp. preflexion larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN

Middle	Period 2	Lucania parva adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 2	Palaemonetes pugio adults	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Middle	Period 2	Trinectes maculatus postflexion larvae	result_m3	3	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Middle	Period 2	branchiurans, Argulus spp.	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Middle	Period 2	medusa sp. d	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 2	unidentified harpacticoids	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Middle	Period 2	Hargeria rapax	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 2	Macrocyclus albidus	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 2	Menidia spp. eggs	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 2	Orthocyclops modestus	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 2	coleopterans, curculionid adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 2	odonates, zygoteran larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 2	trichopteran larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 1	decapod zoeae	result_m3	27	0.04	6.2e+02	16.75	2.71	53.87	51.16	24.32	88.02	174.75	33.63	69.13
Middle	Period 1	Clytia sp.	result_m3	20	0.48	1.5e+02	15.56	6.71	49.11	42.40	22.15	32.43	38.86	8.69	18.19
Middle	Period 1	Gobiosoma spp. postflexion larvae	result_m3	6	0.01	7.9e+01	0.14	0.02	27.68	27.65	0.18	19.40	32.80	13.39	34.42
Middle	Period 1	Americamysis almyra	result_m3	13	0.01	1.2e+02	0.24	0.03	1.14	1.11	0.32	14.22	35.22	9.77	21.28
Middle	Period 1	decapod megalopae	result_m3	15	0.01	5.2e+01	0.06	0.04	0.26	0.22	0.06	6.50	16.37	4.23	9.06
Middle	Period 1	decapod mysis	result_m3	18	0.01	4.0e+01	0.13	0.05	1.27	1.22	0.16	4.74	11.56	2.72	5.75
Middle	Period 1	Anchoa mitchilli postflexion larvae	result_m3	4	0.01	1.4e+01	0.55	0.03	4.21	4.18	0.78	3.69	6.65	3.33	10.58
Middle	Period 1	gobiid flexion larvae	result_m3	6	0.01	9.3e+00	0.09	0.04	6.01	5.97	0.10	2.92	4.44	1.81	4.66
Middle	Period 1	Microgobius spp. postflexion larvae	result_m3	5	0.01	6.1e+00	0.35	0.17	3.58	3.41	0.50	2.04	2.71	1.21	3.36
Middle	Period 1	Anchoa mitchilli juveniles	result_m3	15	0.01	7.6e+00	0.17	0.01	1.72	1.71	0.24	1.27	2.04	0.53	1.13
Middle	Period 1	cymothoid sp. a (Lironeca) juveniles	result_m3	17	0.01	3.9e+00	0.77	0.03	2.76	2.73	1.12	1.24	1.50	0.36	0.77
Middle	Period 1	Ergasilus sp.	result_m3	1	1.21	1.2e+00	1.21	1.21	1.21	0.00	0.00	1.21	NA	NA	NaN
Middle	Period 1	Palaemonetes spp. postlarvae	result_m3	7	0.01	4.6e+00	0.07	0.03	1.66	1.64	0.08	1.15	1.92	0.73	1.78
Middle	Period 1	Bathygobius soporator postflexion larvae	result_m3	1	1.07	1.1e+00	1.07	1.07	1.07	0.00	0.00	1.07	NA	NA	NaN
Middle	Period 1	Brevoortia spp. metamorphs	result_m3	12	0.01	3.6e+00	0.22	0.12	1.43	1.31	0.26	0.94	1.32	0.38	0.84
Middle	Period 1	Polychaeta	result_m3	28	0.02	1.1e+01	0.16	0.05	0.54	0.49	0.20	0.91	2.14	0.41	0.83
Middle	Period 1	Acartia tonsa	result_m3	2	0.05	1.5e+00	0.78	0.42	1.15	0.73	1.08	0.78	1.03	0.73	9.28
Middle	Period 1	chaetognaths, sagittid	result_m3	7	0.01	2.2e+00	0.15	0.04	0.75	0.70	0.20	0.56	0.82	0.31	0.76
Middle	Period 1	unidentified Americamysis juveniles	result_m3	6	0.01	1.4e+00	0.07	0.02	1.01	0.99	0.08	0.48	0.68	0.28	0.71
Middle	Period 1	Gobiesox strumosus postflexion larvae	result_m3	1	0.44	4.4e-01	0.44	0.44	0.44	0.00	0.00	0.44	NA	NA	NaN
Middle	Period 1	Anchoa spp. flexion larvae	result_m3	3	0.04	7.2e-01	0.46	0.25	0.59	0.34	0.39	0.41	0.34	0.20	0.86
Middle	Period 1	gobiid preflexion larvae	result_m3	6	0.01	1.4e+00	0.05	0.04	0.36	0.32	0.04	0.34	0.56	0.23	0.59
Middle	Period 1	Craspedacusta sowerbii	result_m3	7	0.01	1.2e+00	0.06	0.04	0.34	0.30	0.07	0.28	0.42	0.16	0.39
Middle	Period 1	Cyclops sp.	result_m3	4	0.01	7.1e-01	0.04	0.01	0.22	0.21	0.03	0.20	0.34	0.17	0.54

Middle	Period 1	Gambusia holbrooki adults	result_m3	6	0.01	1.1e+00	0.03	0.02	0.04	0.02	0.02	0.20	0.42	0.17	0.44
Middle	Period 1	Palaemonetes pugio adults	result_m3	16	0.01	1.2e+00	0.06	0.03	0.13	0.11	0.06	0.17	0.31	0.08	0.16
Middle	Period 1	Menidia spp. juveniles	result_m3	9	0.01	6.2e-01	0.12	0.01	0.21	0.20	0.16	0.16	0.20	0.06	0.15
Middle	Period 1	Palaemonetes pugio juveniles	result_m3	17	0.03	4.7e-01	0.10	0.06	0.23	0.17	0.10	0.16	0.13	0.03	0.07
Middle	Period 1	gastropods, prosobranch	result_m3	21	0.01	4.3e-01	0.07	0.04	0.11	0.07	0.06	0.11	0.11	0.02	0.05
Middle	Period 1	Microgobius gulosus juveniles	result_m3	1	0.08	8.0e-02	0.08	0.08	0.08	0.00	0.00	0.08	NA	NA	NaN
Middle	Period 1	Diaptomus sp.	result_m3	3	0.01	2.0e-01	0.03	0.02	0.11	0.09	0.02	0.08	0.10	0.06	0.25
Middle	Period 1	Gambusia holbrooki juveniles	result_m3	7	0.01	4.1e-01	0.02	0.01	0.03	0.02	0.01	0.07	0.15	0.06	0.14
Middle	Period 1	Tilapia melanotheron juveniles	result_m3	1	0.06	6.0e-02	0.06	0.06	0.06	0.00	0.00	0.06	NA	NA	NaN
Middle	Period 1	pelecypods	result_m3	7	0.01	1.9e-01	0.04	0.01	0.08	0.07	0.04	0.06	0.07	0.03	0.06
Middle	Period 1	Mesocyclops edax	result_m3	2	0.01	9.0e-02	0.05	0.03	0.07	0.04	0.06	0.05	0.06	0.04	0.51
Middle	Period 1	Brevoortia spp. postflexion larvae	result_m3	3	0.02	1.1e-01	0.03	0.02	0.07	0.05	0.01	0.05	0.05	0.03	0.13
Middle	Period 1	Elops saurus postflexion larvae	result_m3	5	0.01	1.4e-01	0.02	0.02	0.06	0.04	0.01	0.05	0.06	0.03	0.07
Middle	Period 1	Menidia spp. postflexion larvae	result_m3	1	0.05	5.0e-02	0.05	0.05	0.05	0.00	0.00	0.05	NA	NA	NaN
Middle	Period 1	Gobiosoma robustum juveniles	result_m3	5	0.01	1.4e-01	0.02	0.01	0.05	0.03	0.01	0.05	0.06	0.03	0.07
Middle	Period 1	Edotea triloba	result_m3	4	0.01	7.0e-02	0.05	0.03	0.06	0.03	0.03	0.05	0.03	0.01	0.04
Middle	Period 1	Menidia spp. adults	result_m3	2	0.02	7.0e-02	0.04	0.03	0.06	0.03	0.04	0.04	0.04	0.03	0.37
Middle	Period 1	amphipods, gammaridean	result_m3	8	0.01	1.5e-01	0.01	0.01	0.04	0.03	0.00	0.04	0.05	0.02	0.04
Middle	Period 1	dipteran, Chaoborus punctipennis larvae	result_m3	2	0.02	6.0e-02	0.04	0.03	0.05	0.02	0.02	0.04	0.02	0.02	0.20
Middle	Period 1	cirriped nauplius stage	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Middle	Period 1	Brevoortia smithi juveniles	result_m3	3	0.02	5.0e-02	0.03	0.02	0.04	0.02	0.02	0.03	0.02	0.01	0.05
Middle	Period 1	Menidia spp. preflexion larvae	result_m3	8	0.01	1.3e-01	0.01	0.01	0.03	0.01	0.00	0.03	0.04	0.01	0.04
Middle	Period 1	Gobiosoma bosc juveniles	result_m3	4	0.01	5.0e-02	0.03	0.01	0.04	0.03	0.02	0.03	0.02	0.01	0.03
Middle	Period 1	Poecilia latipinna juveniles	result_m3	3	0.01	4.0e-02	0.04	0.03	0.04	0.01	0.00	0.03	0.01	0.01	0.04
Middle	Period 1	Rhithropanopeus harrisi juveniles	result_m3	2	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	0.00	0.00	0.03
Middle	Period 1	Orthocyclops modestus	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Middle	Period 1	ostracods, podocopid	result_m3	2	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	0.00	0.00	0.03
Middle	Period 1	Menidia spp. flexion larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Middle	Period 1	Probopyrus sp. (attached)	result_m3	5	0.01	7.0e-02	0.02	0.01	0.02	0.00	0.00	0.03	0.03	0.01	0.03
Middle	Period 1	Sphaeroma terebrans	result_m3	2	0.02	4.0e-02	0.03	0.02	0.03	0.01	0.02	0.03	0.02	0.01	0.14
Middle	Period 1	Trinectes maculatus postflexion larvae	result_m3	2	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	0.00	0.00	0.01
Middle	Period 1	cymothoid sp. c juveniles	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Middle	Period 1	Brevoortia patronus juveniles	result_m3	5	0.01	4.0e-02	0.01	0.01	0.01	0.00	0.00	0.02	0.01	0.01	0.02
Middle	Period 1	dipterans, chironomid larvae	result_m3	4	0.01	4.0e-02	0.01	0.01	0.02	0.01	0.00	0.02	0.01	0.01	0.02
Middle	Period 1	Microgobius gulosus adults	result_m3	2	0.01	2.0e-02	0.02	0.01	0.02	0.00	0.00	0.02	0.00	0.00	0.02
Middle	Period 1	Syngnathus louisianae juveniles	result_m3	1	0.02	2.0e-02	0.02	0.02	0.02	0.00	0.00	0.02	NA	NA	NaN
Middle	Period 1	unidentified harpacticoids	result_m3	2	0.01	2.0e-02	0.02	0.01	0.02	0.00	0.00	0.02	0.00	0.00	0.03

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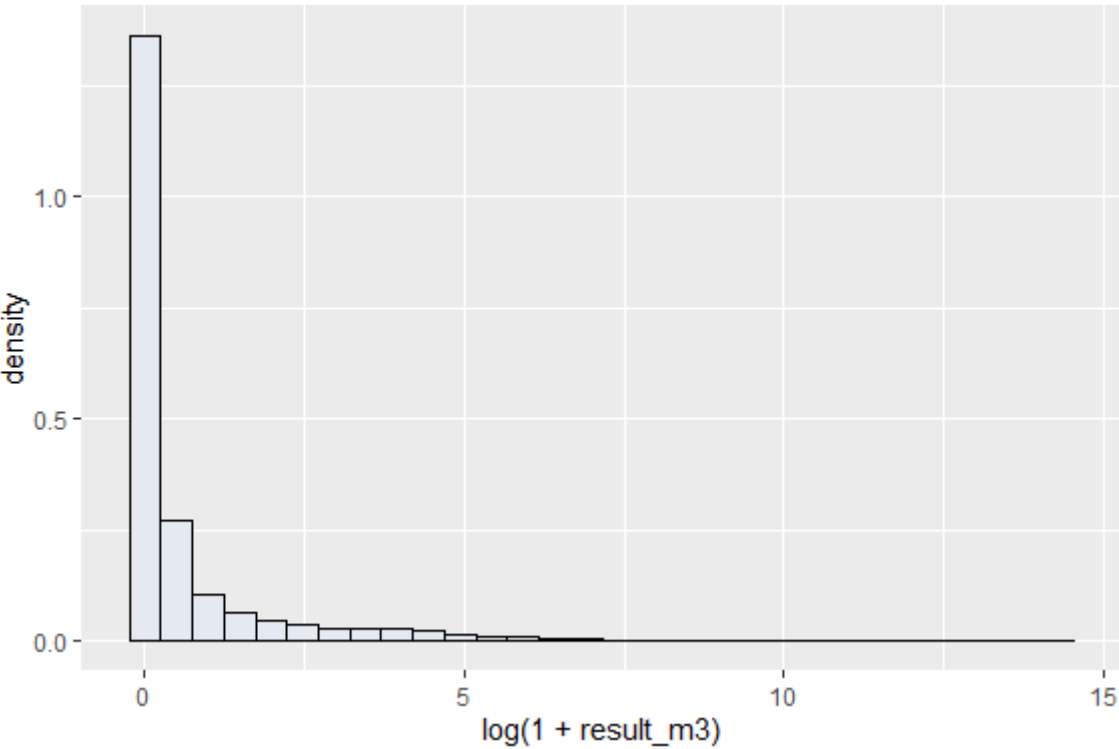
Middle	Period 1	Anopsilana jonesi	result_m3	2	0.01	2.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Middle	Period 1	branchiurans, Argulus spp.	result_m3	4	0.01	2.0e-02	0.01	0.01	0.02	0.00	0.00	0.01	0.00	0.00	0.00
Middle	Period 1	Anchoa hepsetus juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 1	Hirudinea	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 1	Microgobius spp. flexion larvae	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Middle	Period 1	Pinnixa sayana juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 1	Simocephalus vetulus	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 1	Spelaemomysis sp.	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 1	Trinectes maculatus juveniles	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Middle	Period 1	coleopterans, dytiscid adults	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 1	cumaceans	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Middle	Period 1	Lucania parva postflexion larvae	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Middle	Period 1	Syngnathus scovelli juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 1	Cassidinidea ovalis	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 1	Farfantepenaeus duorarum juveniles	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 1	Lucania parva juveniles	result_m3	2	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Middle	Period 1	Pseudodiaptomus coronatus	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Middle	Period 1	odonates, zygoteran larvae	result_m3	1	0.01	1.0e-02	0.01	0.01	0.01	0.00	0.00	0.01	NA	NA	NaN
Upper	Period 5	decapod zoeae	result_m3	6	38.51	8.6e+02	364.97	163.30	502.20	338.90	317.73	378.47	298.96	122.05	313.74
Upper	Period 5	Cassidinidea ovalis	result_m3	10	0.09	2.3e+01	1.75	0.32	3.93	3.62	2.26	4.21	7.12	2.25	5.09
Upper	Period 5	decapod megalopae	result_m3	2	0.06	4.6e+00	2.33	1.19	3.46	2.27	3.37	2.33	3.21	2.27	28.85
Upper	Period 5	dipterans, chironomid larvae	result_m3	6	0.04	6.4e+00	0.08	0.07	0.90	0.84	0.04	1.31	2.54	1.04	2.67
Upper	Period 5	Americamysis almyra	result_m3	6	0.06	6.3e+00	0.17	0.08	0.37	0.29	0.16	1.20	2.52	1.03	2.65
Upper	Period 5	Mesocyclops edax	result_m3	3	0.04	8.8e-01	0.14	0.09	0.51	0.42	0.15	0.35	0.46	0.27	1.15
Upper	Period 5	amphipods, gammaridean	result_m3	8	0.03	2.0e+00	0.07	0.03	0.15	0.12	0.07	0.32	0.68	0.24	0.56
Upper	Period 5	gastropods, prosobranch	result_m3	6	0.03	6.9e-01	0.21	0.07	0.37	0.30	0.27	0.26	0.25	0.10	0.26
Upper	Period 5	trichopteran larvae	result_m3	2	0.04	4.0e-01	0.22	0.13	0.31	0.18	0.27	0.22	0.25	0.18	2.29
Upper	Period 5	appendicularian, Oikopleura dioica	result_m3	1	0.22	2.2e-01	0.22	0.22	0.22	0.00	0.00	0.22	NA	NA	NaN
Upper	Period 5	decapod mysis	result_m3	1	0.22	2.2e-01	0.22	0.22	0.22	0.00	0.00	0.22	NA	NA	NaN
Upper	Period 5	mysid free embryos	result_m3	3	0.03	5.4e-01	0.07	0.05	0.31	0.26	0.07	0.21	0.28	0.16	0.70
Upper	Period 5	ostracods, podocopid	result_m3	4	0.03	7.6e-01	0.03	0.03	0.22	0.19	0.01	0.21	0.36	0.18	0.58
Upper	Period 5	dipterans, pupae	result_m3	7	0.03	3.6e-01	0.11	0.07	0.20	0.14	0.08	0.15	0.13	0.05	0.12
Upper	Period 5	Sphaeroma terebrans	result_m3	4	0.03	2.6e-01	0.11	0.09	0.15	0.06	0.07	0.13	0.10	0.05	0.15
Upper	Period 5	unidentified Americamysis juveniles	result_m3	5	0.03	2.2e-01	0.14	0.03	0.15	0.11	0.11	0.11	0.08	0.04	0.10
Upper	Period 5	hemipterans, gerrid adults	result_m3	5	0.04	1.6e-01	0.14	0.05	0.16	0.11	0.04	0.11	0.06	0.03	0.07
Upper	Period 5	Anopsilana jonesi	result_m3	2	0.08	1.3e-01	0.11	0.09	0.12	0.02	0.04	0.11	0.03	0.02	0.30
Upper	Period 5	Gobiosoma spp. postflexion larvae	result_m3	4	0.03	2.5e-01	0.04	0.04	0.10	0.06	0.02	0.09	0.10	0.05	0.17

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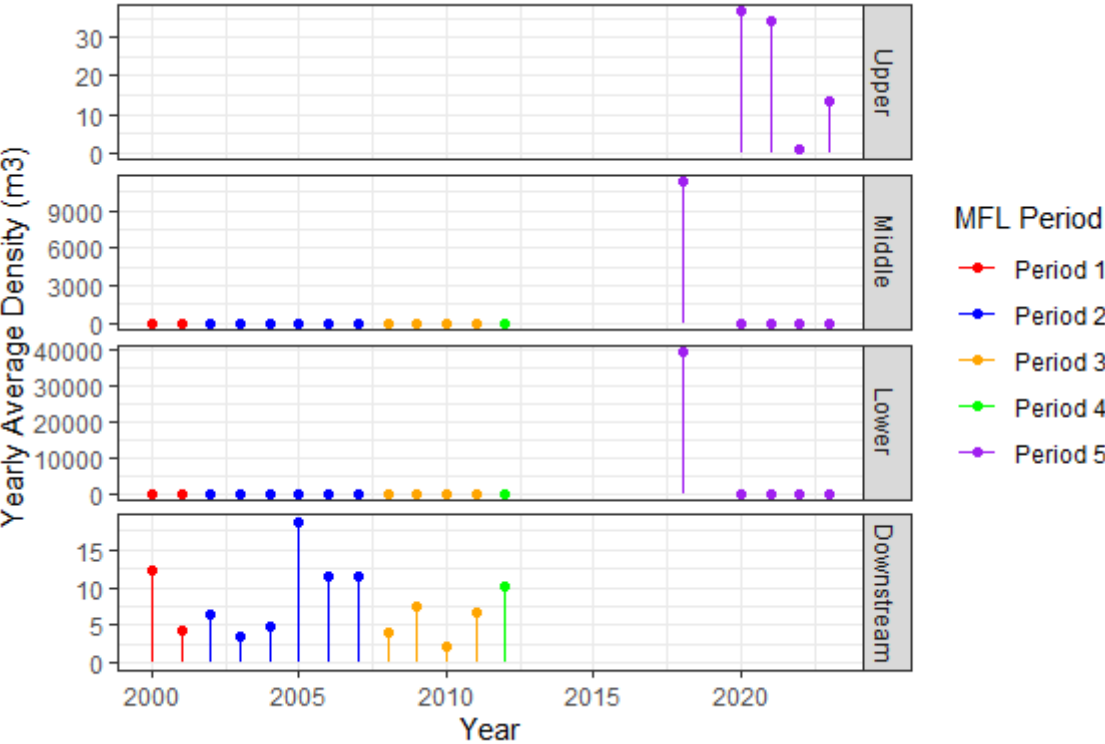
Upper	Period 5	Trinectes maculatus postflexion larvae	result_m3	2	0.06	1.2e-01	0.09	0.08	0.10	0.03	0.04	0.09	0.04	0.03	0.33
Upper	Period 5	xanthid juveniles	result_m3	1	0.09	9.0e-02	0.09	0.09	0.09	0.00	0.00	0.09	NA	NA	NaN
Upper	Period 5	ephemeropteran larvae	result_m3	2	0.06	7.0e-02	0.06	0.06	0.07	0.01	0.01	0.06	0.01	0.01	0.10
Upper	Period 5	gobiid preflexion larvae	result_m3	1	0.05	5.0e-02	0.05	0.05	0.05	0.00	0.00	0.05	NA	NA	NaN
Upper	Period 5	pelecypods	result_m3	3	0.03	9.0e-02	0.03	0.03	0.06	0.03	0.01	0.05	0.03	0.02	0.08
Upper	Period 5	Lepomis macrochirus preflexion larvae	result_m3	2	0.04	5.0e-02	0.04	0.04	0.05	0.01	0.01	0.04	0.01	0.01	0.07
Upper	Period 5	Gobiosoma bosc juveniles	result_m3	2	0.03	6.0e-02	0.04	0.04	0.05	0.01	0.02	0.04	0.02	0.01	0.17
Upper	Period 5	coleopterans, dytiscid adults	result_m3	1	0.04	4.0e-02	0.04	0.04	0.04	0.00	0.00	0.04	NA	NA	NaN
Upper	Period 5	Acari	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Upper	Period 5	Ilyocypris sp.	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Upper	Period 5	dipterans, stratiomyid larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Upper	Period 5	odonates, zygopteran larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Upper	Period 5	Gambusia holbrooki juveniles	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Upper	Period 5	Simocephalus vetulus	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Upper	Period 5	dipteran, Chaoborus punctipennis larvae	result_m3	3	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	0.00	0.00	0.00
Upper	Period 5	branchiurans, Argulus spp.	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Upper	Period 5	coleopterans, curculionid adults	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Upper	Period 5	lepidopterans, pyralid larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Upper	Period 5	gobiid flexion larvae	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Upper	Period 5	oligochaetes	result_m3	1	0.03	3.0e-02	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN

3.2.2 FIGURES

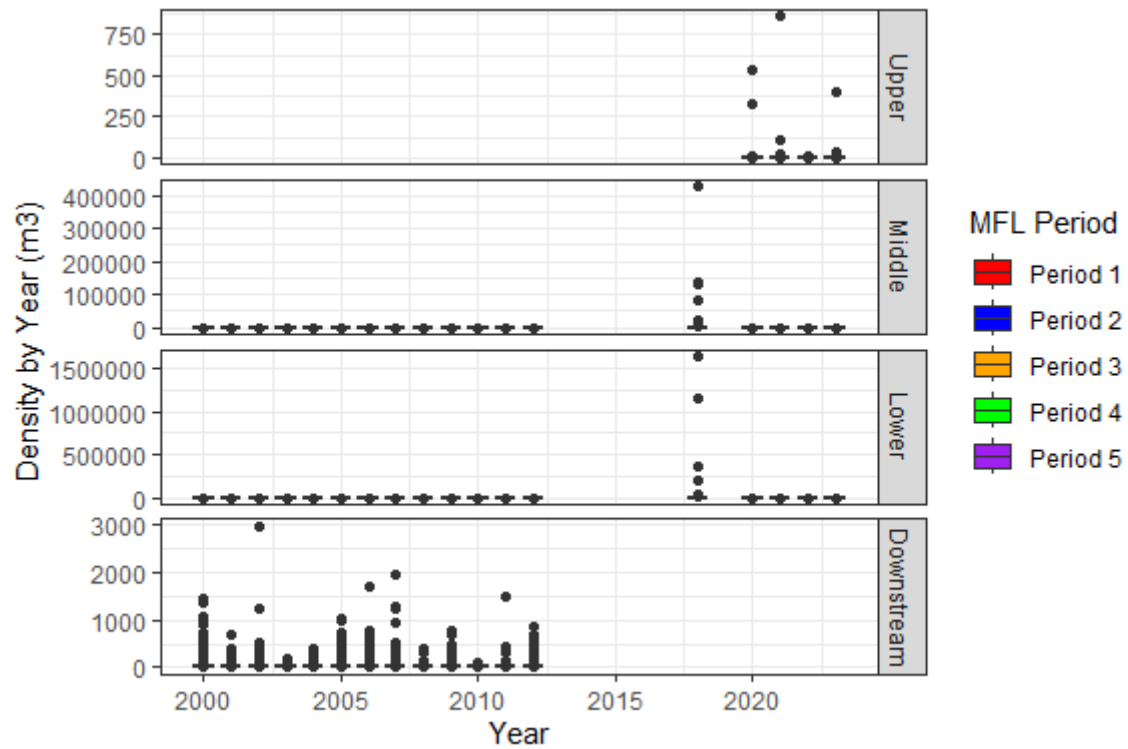
3.2.2.1 Histogram of species density



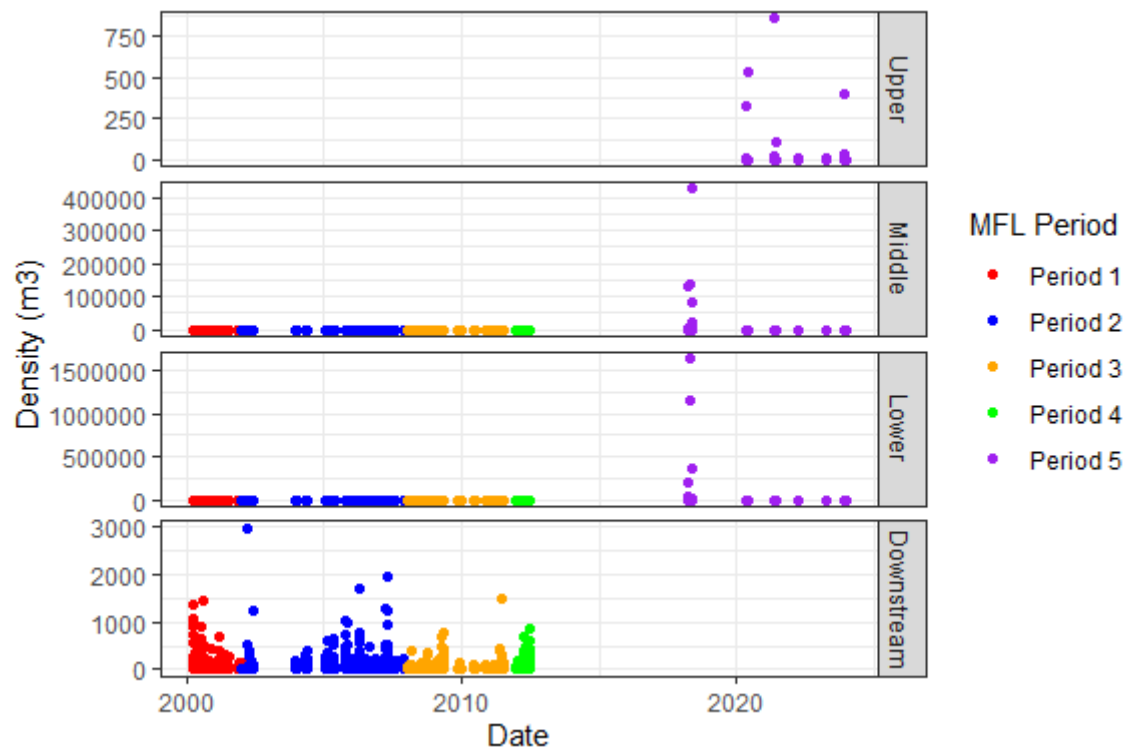
3.2.2.2 Average density over time, grouped by year of sampling.



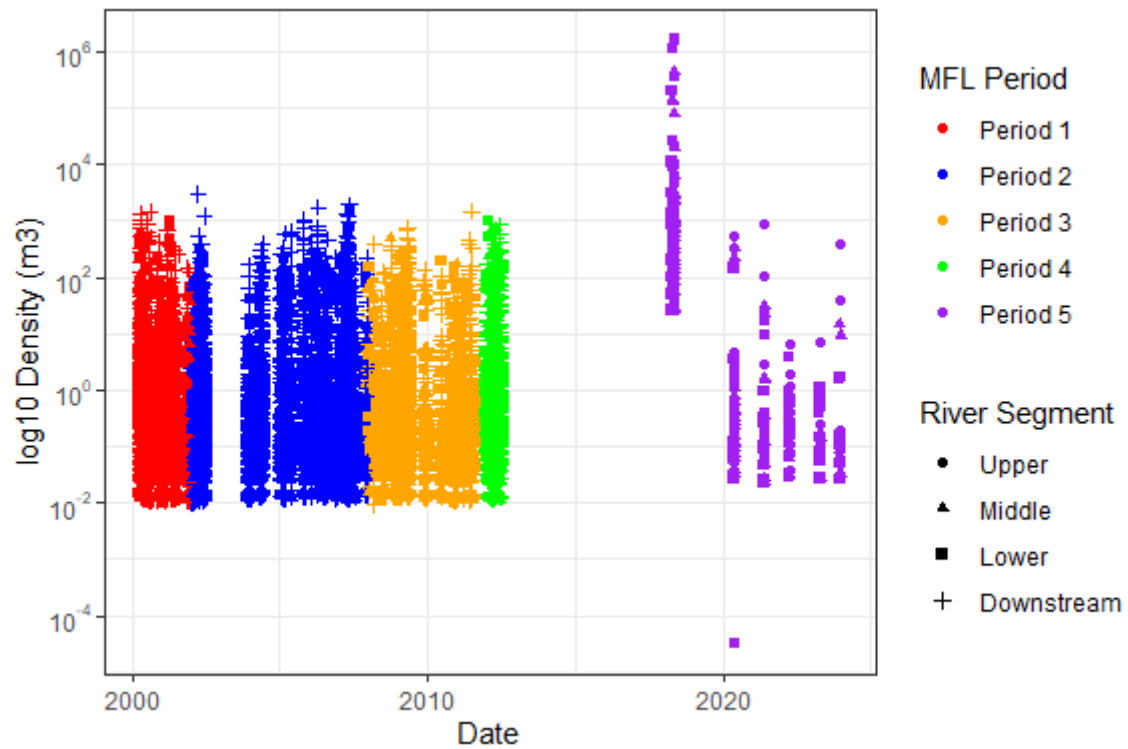
3.2.2.3 Boxplots of individual densities, grouped by year, by MFL period and river segment.



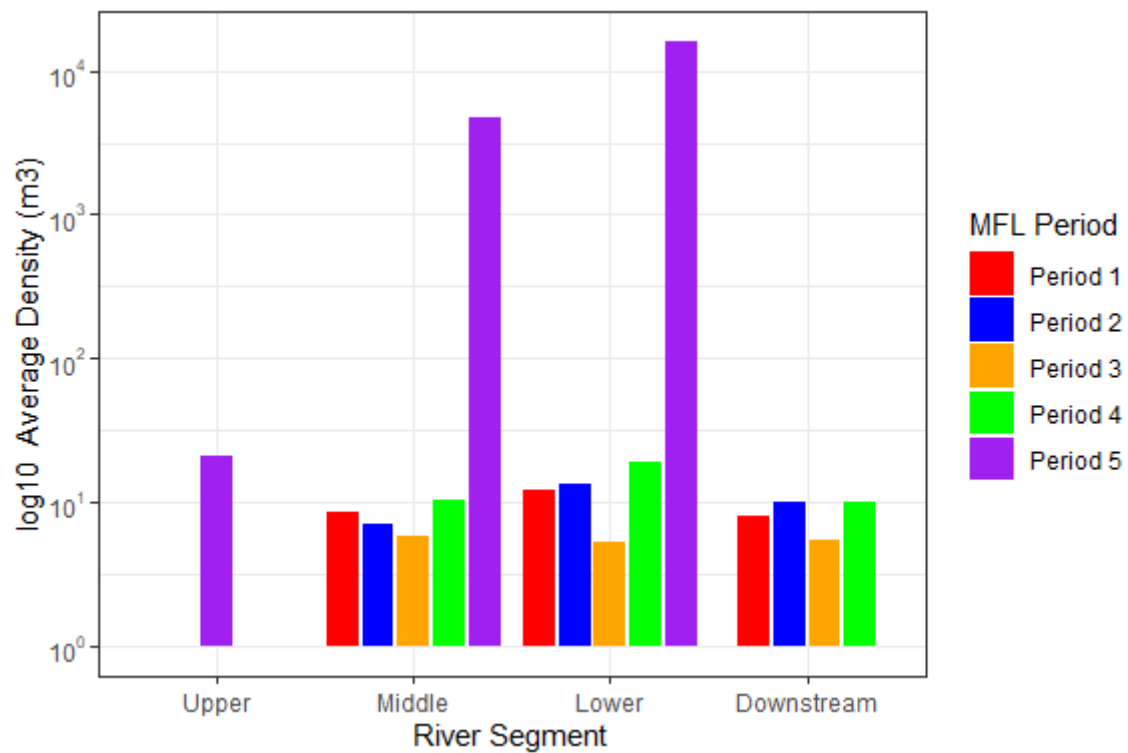
3.2.2.4 Density of individuals by MFL period and river segment.



3.2.2.5 Density of individuals by river segment and MFL period.



3.2.2.6 Density by MFL period and river segment.



3.3 DIVERSITY

3.3.1 TABLES

3.3.1.1 Diversity by Site

Site	River Segment	MFL Period	Date	Shan_div
HR100749	Downstream	Period 1	2000-04-12	1.00
HR100749	Downstream	Period 1	2000-05-15	0.92
HR100749	Downstream	Period 1	2000-06-12	1.94
HR100749	Downstream	Period 1	2000-07-11	1.02
HR100749	Downstream	Period 1	2000-08-09	1.48
HR100749	Downstream	Period 1	2000-11-07	1.97
HR100749	Downstream	Period 1	2000-12-06	2.01
HR100749	Downstream	Period 1	2001-01-09	1.76
HR100749	Downstream	Period 1	2001-02-06	1.12
HR100749	Downstream	Period 1	2001-03-07	1.15
HR100749	Downstream	Period 1	2001-04-18	1.09
HR100749	Downstream	Period 1	2001-05-03	0.90
HR100749	Downstream	Period 1	2001-06-04	2.21
HR100749	Downstream	Period 1	2001-07-18	0.88
HR100749	Downstream	Period 1	2001-11-14	0.83
HR100749	Downstream	Period 1	2001-12-12	0.84
HR100749	Downstream	Period 2	2002-01-10	1.57
HR100749	Downstream	Period 2	2002-02-21	1.23
HR100749	Downstream	Period 2	2002-03-27	0.49
HR100749	Downstream	Period 2	2002-04-24	1.38
HR100749	Downstream	Period 2	2002-05-23	1.55
HR100749	Downstream	Period 2	2002-06-06	1.86
HR100749	Downstream	Period 2	2003-12-09	2.23
HR100749	Downstream	Period 2	2004-01-08	1.30
HR100749	Downstream	Period 2	2004-04-29	0.63
HR100749	Downstream	Period 2	2004-05-27	1.72
HR100749	Downstream	Period 2	2005-01-20	1.70
HR100749	Downstream	Period 2	2005-02-22	1.17
HR100749	Downstream	Period 2	2005-05-16	1.65
HR100749	Downstream	Period 2	2005-10-25	0.41
HR100749	Downstream	Period 2	2006-01-25	1.47
HR100749	Downstream	Period 2	2006-04-11	1.03
HR100749	Downstream	Period 2	2006-05-24	1.72
HR100749	Downstream	Period 2	2006-06-22	1.99
HR100749	Downstream	Period 2	2006-07-06	0.55
HR100749	Downstream	Period 2	2006-08-16	0.82
HR100749	Downstream	Period 2	2006-11-07	0.37
HR100749	Downstream	Period 2	2006-12-06	1.21
HR100749	Downstream	Period 2	2007-01-31	2.29
HR100749	Downstream	Period 2	2007-02-15	1.12
HR100749	Downstream	Period 2	2007-03-29	0.75
HR100749	Downstream	Period 2	2007-04-26	1.56
HR100749	Downstream	Period 2	2007-05-10	1.16
HR100749	Downstream	Period 2	2007-06-27	1.35
HR100749	Downstream	Period 2	2007-07-25	1.52
HR100749	Downstream	Period 2	2007-12-04	2.29
HR100749	Downstream	Period 3	2008-01-10	2.03
HR100749	Downstream	Period 3	2008-03-04	0.49
HR100749	Downstream	Period 3	2008-06-12	1.38
HR100749	Downstream	Period 3	2008-07-15	1.22

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HR100749Downstream	Period 3	2008-10-07	1.40
HR100749Downstream	Period 3	2008-11-06	1.29
HR100749Downstream	Period 3	2008-12-09	1.07
HR100749Downstream	Period 3	2009-01-08	2.22
HR100749Downstream	Period 3	2009-02-03	0.68
HR100749Downstream	Period 3	2009-03-08	1.17
HR100749Downstream	Period 3	2009-04-21	1.29
HR100749Downstream	Period 3	2009-05-06	0.77
HR100749Downstream	Period 3	2009-11-23	1.91
HR100749Downstream	Period 3	2009-12-16	0.63
HR100749Downstream	Period 3	2010-06-23	1.60
HR100749Downstream	Period 3	2010-11-16	1.40
HR100749Downstream	Period 3	2010-12-01	1.50
HR100749Downstream	Period 3	2011-01-04	1.21
HR100749Downstream	Period 3	2011-03-16	0.95
HR100749Downstream	Period 3	2011-05-25	1.60
HR100749Downstream	Period 3	2011-06-27	1.89
HR100749Downstream	Period 4	2012-01-03	0.58
HR100749Downstream	Period 4	2012-02-02	0.20
HR100749Downstream	Period 4	2012-03-06	0.97
HR100749Downstream	Period 4	2012-04-03	1.46
HR100749Downstream	Period 4	2012-05-02	1.79
HR100749Downstream	Period 4	2012-06-13	1.55
HR101204Downstream	Period 1	2000-04-12	0.62
HR101204Downstream	Period 1	2000-05-15	1.04
HR101204Downstream	Period 1	2000-06-12	1.17
HR101204Downstream	Period 1	2000-07-11	1.27
HR101204Downstream	Period 1	2000-08-09	1.57
HR101204Downstream	Period 1	2000-11-07	2.22
HR101204Downstream	Period 1	2000-12-06	1.14
HR101204Downstream	Period 1	2001-01-09	1.53
HR101204Downstream	Period 1	2001-02-06	1.38
HR101204Downstream	Period 1	2001-03-07	0.74
HR101204Downstream	Period 1	2001-04-18	1.17
HR101204Downstream	Period 1	2001-05-03	1.15
HR101204Downstream	Period 1	2001-06-04	2.01
HR101204Downstream	Period 1	2001-07-18	0.54
HR101204Downstream	Period 1	2001-11-14	1.40
HR101204Downstream	Period 1	2001-12-12	0.93
HR101204Downstream	Period 2	2002-01-10	1.72
HR101204Downstream	Period 2	2002-02-21	0.47
HR101204Downstream	Period 2	2002-03-27	1.35
HR101204Downstream	Period 2	2002-04-24	1.64
HR101204Downstream	Period 2	2002-05-23	1.57
HR101204Downstream	Period 2	2002-06-06	2.46
HR101204Downstream	Period 2	2003-12-09	0.55
HR101204Downstream	Period 2	2004-01-08	1.49
HR101204Downstream	Period 2	2004-04-29	1.51
HR101204Downstream	Period 2	2004-05-27	1.70
HR101204Downstream	Period 2	2005-01-20	1.90
HR101204Downstream	Period 2	2005-02-22	1.18
HR101204Downstream	Period 2	2005-05-16	1.64
HR101204Downstream	Period 2	2005-10-25	1.19
HR101204Downstream	Period 2	2006-01-25	1.90
HR101204Downstream	Period 2	2006-04-11	1.32
HR101204Downstream	Period 2	2006-05-24	2.40
HR101204Downstream	Period 2	2006-06-22	2.19

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HR101204Downstream	Period 2	2006-07-06	1.12
HR101204Downstream	Period 2	2006-08-16	0.85
HR101204Downstream	Period 2	2006-11-07	0.19
HR101204Downstream	Period 2	2006-12-06	0.38
HR101204Downstream	Period 2	2007-01-31	1.41
HR101204Downstream	Period 2	2007-02-15	1.06
HR101204Downstream	Period 2	2007-03-29	0.54
HR101204Downstream	Period 2	2007-04-26	2.04
HR101204Downstream	Period 2	2007-05-10	1.25
HR101204Downstream	Period 2	2007-06-27	1.18
HR101204Downstream	Period 2	2007-07-25	1.62
HR101204Downstream	Period 2	2007-12-04	1.05
HR101204Downstream	Period 3	2008-01-10	1.92
HR101204Downstream	Period 3	2008-03-04	0.99
HR101204Downstream	Period 3	2008-06-12	2.04
HR101204Downstream	Period 3	2008-07-15	1.12
HR101204Downstream	Period 3	2008-10-07	1.34
HR101204Downstream	Period 3	2008-11-06	1.06
HR101204Downstream	Period 3	2008-12-09	1.05
HR101204Downstream	Period 3	2009-01-08	2.12
HR101204Downstream	Period 3	2009-02-03	1.26
HR101204Downstream	Period 3	2009-03-08	1.04
HR101204Downstream	Period 3	2009-04-21	1.22
HR101204Downstream	Period 3	2009-05-06	0.44
HR101204Downstream	Period 3	2009-11-23	1.20
HR101204Downstream	Period 3	2009-12-16	0.56
HR101204Downstream	Period 3	2010-06-23	0.99
HR101204Downstream	Period 3	2010-11-16	1.67
HR101204Downstream	Period 3	2010-12-01	1.89
HR101204Downstream	Period 3	2011-01-04	1.54
HR101204Downstream	Period 3	2011-03-16	0.86
HR101204Downstream	Period 3	2011-05-25	1.38
HR101204Downstream	Period 3	2011-06-27	1.66
HR101204Downstream	Period 4	2012-01-03	1.01
HR101204Downstream	Period 4	2012-02-02	1.11
HR101204Downstream	Period 4	2012-03-06	0.77
HR101204Downstream	Period 4	2012-04-03	1.45
HR101204Downstream	Period 4	2012-05-02	1.48
HR101204Downstream	Period 4	2012-06-13	1.62
HR204062Downstream	Period 1	2000-04-12	0.85
HR204062Downstream	Period 1	2000-05-15	1.46
HR204062Downstream	Period 1	2000-06-12	1.94
HR204062Downstream	Period 1	2000-07-11	0.96
HR204062Downstream	Period 1	2000-08-09	2.10
HR204062Downstream	Period 1	2000-11-07	0.53
HR204062Downstream	Period 1	2000-12-06	1.74
HR204062Downstream	Period 1	2001-01-09	0.82
HR204062Downstream	Period 1	2001-02-06	0.79
HR204062Downstream	Period 1	2001-03-07	1.56
HR204062Downstream	Period 1	2001-04-18	0.93
HR204062Downstream	Period 1	2001-05-03	2.25
HR204062Downstream	Period 1	2001-06-04	1.67
HR204062Downstream	Period 1	2001-07-18	1.04
HR204062Downstream	Period 1	2001-11-14	1.07
HR204062Downstream	Period 1	2001-12-12	2.31
HR204062Downstream	Period 2	2002-01-10	1.71
HR204062Downstream	Period 2	2002-02-21	0.44

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HR204062Downstream	Period 2	2002-03-27	1.07
HR204062Downstream	Period 2	2002-04-24	1.80
HR204062Downstream	Period 2	2002-05-23	1.84
HR204062Downstream	Period 2	2002-06-06	2.38
HR204062Downstream	Period 2	2003-12-09	0.67
HR204062Downstream	Period 2	2004-01-08	2.02
HR204062Downstream	Period 2	2004-04-29	0.48
HR204062Downstream	Period 2	2004-05-27	1.25
HR204062Downstream	Period 2	2005-01-20	1.40
HR204062Downstream	Period 2	2005-02-22	1.25
HR204062Downstream	Period 2	2005-05-16	1.90
HR204062Downstream	Period 2	2005-10-25	1.10
HR204062Downstream	Period 2	2006-01-25	1.55
HR204062Downstream	Period 2	2006-04-11	1.36
HR204062Downstream	Period 2	2006-05-24	1.03
HR204062Downstream	Period 2	2006-06-22	1.71
HR204062Downstream	Period 2	2006-07-06	1.55
HR204062Downstream	Period 2	2006-08-16	0.58
HR204062Downstream	Period 2	2006-11-07	0.70
HR204062Downstream	Period 2	2006-12-06	0.43
HR204062Downstream	Period 2	2007-01-31	0.82
HR204062Downstream	Period 2	2007-02-15	1.13
HR204062Downstream	Period 2	2007-03-29	1.79
HR204062Downstream	Period 2	2007-04-26	1.76
HR204062Downstream	Period 2	2007-05-10	1.20
HR204062Downstream	Period 2	2007-06-27	1.51
HR204062Downstream	Period 2	2007-07-25	1.85
HR204062Downstream	Period 2	2007-12-04	1.76
HR204062Downstream	Period 3	2008-01-10	1.06
HR204062Downstream	Period 3	2008-03-04	1.48
HR204062Downstream	Period 3	2008-06-12	2.36
HR204062Downstream	Period 3	2008-07-15	1.98
HR204062Downstream	Period 3	2008-10-07	0.60
HR204062Downstream	Period 3	2008-11-06	1.11
HR204062Downstream	Period 3	2008-12-09	1.83
HR204062Downstream	Period 3	2009-01-08	0.93
HR204062Downstream	Period 3	2009-02-03	1.39
HR204062Downstream	Period 3	2009-03-08	1.33
HR204062Downstream	Period 3	2009-04-21	1.50
HR204062Downstream	Period 3	2009-05-06	1.01
HR204062Downstream	Period 3	2009-11-23	0.22
HR204062Downstream	Period 3	2009-12-16	1.06
HR204062Downstream	Period 3	2010-06-23	1.45
HR204062Downstream	Period 3	2010-11-16	0.60
HR204062Downstream	Period 3	2010-12-01	1.99
HR204062Downstream	Period 3	2011-01-04	1.03
HR204062Downstream	Period 3	2011-03-16	1.28
HR204062Downstream	Period 3	2011-05-25	1.83
HR204062Downstream	Period 3	2011-06-27	0.65
HR204062Downstream	Period 4	2012-01-03	2.42
HR204062Downstream	Period 4	2012-02-02	1.43
HR204062Downstream	Period 4	2012-03-06	1.12
HR204062Downstream	Period 4	2012-04-03	1.64
HR204062Downstream	Period 4	2012-05-02	1.23
HR204062Downstream	Period 4	2012-06-13	1.58
HR204438Downstream	Period 1	2000-04-12	1.21
HR204438Downstream	Period 1	2000-05-15	1.08

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HR204438Downstream	Period 1	2000-07-11	1.07
HR204438Downstream	Period 1	2000-08-09	1.13
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HR204438Downstream	Period 1	2000-12-06	1.33
HR204438Downstream	Period 1	2001-01-09	1.00
HR204438Downstream	Period 1	2001-02-06	0.93
HR204438Downstream	Period 1	2001-03-07	1.55
HR204438Downstream	Period 1	2001-04-18	1.87
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HR204438Downstream	Period 1	2001-06-04	1.94
HR204438Downstream	Period 1	2001-07-18	1.57
HR204438Downstream	Period 1	2001-11-14	0.30
HR204438Downstream	Period 1	2001-12-12	1.85
HR204438Downstream	Period 2	2002-01-10	1.93
HR204438Downstream	Period 2	2002-02-21	1.62
HR204438Downstream	Period 2	2002-03-27	2.19
HR204438Downstream	Period 2	2002-04-24	0.86
HR204438Downstream	Period 2	2002-05-23	1.70
HR204438Downstream	Period 2	2002-06-06	1.81
HR204438Downstream	Period 2	2003-12-09	0.98
HR204438Downstream	Period 2	2004-01-08	1.41
HR204438Downstream	Period 2	2004-04-29	0.50
HR204438Downstream	Period 2	2004-05-27	1.10
HR204438Downstream	Period 2	2005-01-20	1.76
HR204438Downstream	Period 2	2005-02-22	0.49
HR204438Downstream	Period 2	2005-05-16	0.26
HR204438Downstream	Period 2	2005-10-25	0.98
HR204438Downstream	Period 2	2006-01-25	1.24
HR204438Downstream	Period 2	2006-04-11	1.62
HR204438Downstream	Period 2	2006-05-24	1.05
HR204438Downstream	Period 2	2006-06-22	1.32
HR204438Downstream	Period 2	2006-07-06	1.18
HR204438Downstream	Period 2	2006-08-16	0.39
HR204438Downstream	Period 2	2006-11-07	0.17
HR204438Downstream	Period 2	2006-12-06	0.88
HR204438Downstream	Period 2	2007-01-31	1.03
HR204438Downstream	Period 2	2007-02-15	1.08
HR204438Downstream	Period 2	2007-03-29	1.03
HR204438Downstream	Period 2	2007-04-26	1.25
HR204438Downstream	Period 2	2007-05-10	0.82
HR204438Downstream	Period 2	2007-06-27	1.82
HR204438Downstream	Period 2	2007-07-25	1.66
HR204438Downstream	Period 2	2007-12-04	1.90
HR204438Downstream	Period 3	2008-01-10	1.23
HR204438Downstream	Period 3	2008-03-04	1.55
HR204438Downstream	Period 3	2008-06-12	0.92
HR204438Downstream	Period 3	2008-07-15	2.38
HR204438Downstream	Period 3	2008-10-07	0.77
HR204438Downstream	Period 3	2008-11-06	1.03
HR204438Downstream	Period 3	2008-12-09	1.62
HR204438Downstream	Period 3	2009-01-08	1.57
HR204438Downstream	Period 3	2009-02-03	1.65
HR204438Downstream	Period 3	2009-03-08	1.25
HR204438Downstream	Period 3	2009-04-21	1.18
HR204438Downstream	Period 3	2009-05-06	0.91
HR204438Downstream	Period 3	2009-11-23	0.44

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HR204438Downstream	Period 3	2009-12-16	1.25
HR204438Downstream	Period 3	2010-06-23	1.18
HR204438Downstream	Period 3	2010-11-16	0.77
HR204438Downstream	Period 3	2010-12-01	1.24
HR204438Downstream	Period 3	2011-01-04	0.75
HR204438Downstream	Period 3	2011-03-16	1.45
HR204438Downstream	Period 3	2011-05-25	1.89
HR204438Downstream	Period 3	2011-06-27	1.29
HR204438Downstream	Period 4	2012-01-03	2.33
HR204438Downstream	Period 4	2012-02-02	1.71
HR204438Downstream	Period 4	2012-03-06	1.28
HR204438Downstream	Period 4	2012-04-03	1.36
HR204438Downstream	Period 4	2012-05-02	1.45
HR204438Downstream	Period 4	2012-06-13	1.51
HR305768Downstream	Period 1	2000-04-12	0.45
HR305768Downstream	Period 1	2000-05-15	0.95
HR305768Downstream	Period 1	2000-06-12	0.67
HR305768Downstream	Period 1	2000-07-11	0.17
HR305768Downstream	Period 1	2000-08-09	0.68
HR305768Downstream	Period 1	2000-11-07	1.25
HR305768Downstream	Period 1	2000-12-06	1.83
HR305768Downstream	Period 1	2001-01-09	1.16
HR305768Downstream	Period 1	2001-02-06	1.45
HR305768Downstream	Period 1	2001-03-07	1.26
HR305768Downstream	Period 1	2001-04-18	1.69
HR305768Downstream	Period 1	2001-05-03	2.11
HR305768Downstream	Period 1	2001-06-04	1.18
HR305768Downstream	Period 1	2001-07-18	0.98
HR305768Downstream	Period 1	2001-11-14	0.54
HR305768Downstream	Period 1	2001-12-12	1.75
HR305768Downstream	Period 2	2002-01-10	2.11
HR305768Downstream	Period 2	2002-02-21	0.97
HR305768Downstream	Period 2	2002-03-27	1.31
HR305768Downstream	Period 2	2002-04-24	1.62
HR305768Downstream	Period 2	2002-05-23	1.84
HR305768Downstream	Period 2	2002-06-06	1.01
HR305768Downstream	Period 2	2003-12-09	0.50
HR305768Downstream	Period 2	2004-01-08	1.37
HR305768Downstream	Period 2	2004-04-29	1.21
HR305768Downstream	Period 2	2004-05-27	0.65
HR305768Downstream	Period 2	2005-01-20	1.55
HR305768Downstream	Period 2	2005-02-22	0.25
HR305768Downstream	Period 2	2005-05-16	0.43
HR305768Downstream	Period 2	2005-10-25	1.11
HR305768Downstream	Period 2	2006-01-25	1.27
HR305768Downstream	Period 2	2006-04-11	1.50
HR305768Downstream	Period 2	2006-05-24	0.56
HR305768Downstream	Period 2	2006-06-22	1.39
HR305768Downstream	Period 2	2006-07-06	1.12
HR305768Downstream	Period 2	2006-08-16	0.91
HR305768Downstream	Period 2	2006-11-07	0.22
HR305768Downstream	Period 2	2006-12-06	0.57
HR305768Downstream	Period 2	2007-01-31	0.57
HR305768Downstream	Period 2	2007-02-15	0.17
HR305768Downstream	Period 2	2007-03-29	0.89
HR305768Downstream	Period 2	2007-04-26	0.65
HR305768Downstream	Period 2	2007-05-10	1.33

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HR305768Downstream	Period 2	2007-06-27	1.83
HR305768Downstream	Period 2	2007-07-25	1.92
HR305768Downstream	Period 2	2007-12-04	0.86
HR305768Downstream	Period 3	2008-01-10	1.23
HR305768Downstream	Period 3	2008-03-04	1.65
HR305768Downstream	Period 3	2008-06-12	1.17
HR305768Downstream	Period 3	2008-07-15	1.21
HR305768Downstream	Period 3	2008-10-07	0.47
HR305768Downstream	Period 3	2008-11-06	1.08
HR305768Downstream	Period 3	2008-12-09	1.71
HR305768Downstream	Period 3	2009-01-08	1.79
HR305768Downstream	Period 3	2009-02-03	1.73
HR305768Downstream	Period 3	2009-03-08	1.55
HR305768Downstream	Period 3	2009-04-21	1.14
HR305768Downstream	Period 3	2009-05-06	0.64
HR305768Downstream	Period 3	2009-11-23	0.17
HR305768Downstream	Period 3	2009-12-16	0.63
HR305768Downstream	Period 3	2010-06-23	1.43
HR305768Downstream	Period 3	2010-11-16	0.46
HR305768Downstream	Period 3	2010-12-01	0.93
HR305768Downstream	Period 3	2011-01-04	0.91
HR305768Downstream	Period 3	2011-03-16	0.93
HR305768Downstream	Period 3	2011-05-25	0.52
HR305768Downstream	Period 3	2011-06-27	1.56
HR305768Downstream	Period 4	2012-01-03	1.79
HR305768Downstream	Period 4	2012-02-02	0.59
HR305768Downstream	Period 4	2012-03-06	1.29
HR305768Downstream	Period 4	2012-04-03	0.86
HR305768Downstream	Period 4	2012-05-02	1.17
HR305768Downstream	Period 4	2012-06-13	1.24
HR306339Downstream	Period 1	2000-04-12	0.84
HR306339Downstream	Period 1	2000-05-15	1.67
HR306339Downstream	Period 1	2000-06-12	0.44
HR306339Downstream	Period 1	2000-07-11	0.07
HR306339Downstream	Period 1	2000-08-09	0.59
HR306339Downstream	Period 1	2000-11-07	0.72
HR306339Downstream	Period 1	2000-12-06	2.15
HR306339Downstream	Period 1	2001-01-09	1.24
HR306339Downstream	Period 1	2001-02-06	1.34
HR306339Downstream	Period 1	2001-03-07	1.64
HR306339Downstream	Period 1	2001-04-18	2.12
HR306339Downstream	Period 1	2001-05-03	1.82
HR306339Downstream	Period 1	2001-06-04	1.30
HR306339Downstream	Period 1	2001-07-18	0.14
HR306339Downstream	Period 1	2001-11-14	0.34
HR306339Downstream	Period 1	2001-12-12	1.39
HR306339Downstream	Period 2	2002-01-10	0.67
HR306339Downstream	Period 2	2002-02-21	1.75
HR306339Downstream	Period 2	2002-03-27	0.82
HR306339Downstream	Period 2	2002-04-24	0.43
HR306339Downstream	Period 2	2002-05-23	2.02
HR306339Downstream	Period 2	2002-06-06	1.28
HR306339Downstream	Period 2	2003-12-09	0.40
HR306339Downstream	Period 2	2004-01-08	0.90
HR306339Downstream	Period 2	2004-04-29	1.53
HR306339Downstream	Period 2	2004-05-27	0.29
HR306339Downstream	Period 2	2005-01-20	1.27

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HR306339Downstream	Period 2	2005-02-22	0.12
HR306339Downstream	Period 2	2005-05-16	0.92
HR306339Downstream	Period 2	2005-10-25	1.05
HR306339Downstream	Period 2	2006-01-25	1.19
HR306339Downstream	Period 2	2006-04-11	1.13
HR306339Downstream	Period 2	2006-05-24	1.91
HR306339Downstream	Period 2	2006-06-22	0.87
HR306339Downstream	Period 2	2006-07-06	0.86
HR306339Downstream	Period 2	2006-08-16	1.02
HR306339Downstream	Period 2	2006-11-07	0.04
HR306339Downstream	Period 2	2006-12-06	0.56
HR306339Downstream	Period 2	2007-01-31	0.31
HR306339Downstream	Period 2	2007-02-15	0.09
HR306339Downstream	Period 2	2007-03-29	1.00
HR306339Downstream	Period 2	2007-04-26	1.02
HR306339Downstream	Period 2	2007-05-10	0.99
HR306339Downstream	Period 2	2007-06-27	1.65
HR306339Downstream	Period 2	2007-07-25	0.72
HR306339Downstream	Period 2	2007-12-04	1.73
HR306339Downstream	Period 3	2008-01-10	0.57
HR306339Downstream	Period 3	2008-03-04	0.40
HR306339Downstream	Period 3	2008-06-12	0.72
HR306339Downstream	Period 3	2008-07-15	1.57
HR306339Downstream	Period 3	2008-10-07	0.72
HR306339Downstream	Period 3	2008-11-06	0.76
HR306339Downstream	Period 3	2008-12-09	1.72
HR306339Downstream	Period 3	2009-01-08	1.37
HR306339Downstream	Period 3	2009-02-03	1.64
HR306339Downstream	Period 3	2009-03-08	1.86
HR306339Downstream	Period 3	2009-04-21	0.79
HR306339Downstream	Period 3	2009-05-06	0.35
HR306339Downstream	Period 3	2009-11-23	0.28
HR306339Downstream	Period 3	2009-12-16	0.62
HR306339Downstream	Period 3	2010-06-23	0.87
HR306339Downstream	Period 3	2010-11-16	0.19
HR306339Downstream	Period 3	2010-12-01	1.26
HR306339Downstream	Period 3	2011-01-04	0.76
HR306339Downstream	Period 3	2011-03-16	0.91
HR306339Downstream	Period 3	2011-05-25	0.08
HR306339Downstream	Period 3	2011-06-27	1.78
HR306339Downstream	Period 4	2012-01-03	1.49
HR306339Downstream	Period 4	2012-02-02	0.29
HR306339Downstream	Period 4	2012-03-06	1.25
HR306339Downstream	Period 4	2012-04-03	0.65
HR306339Downstream	Period 4	2012-05-02	0.60
HR306339Downstream	Period 4	2012-06-13	1.11
HR408008Downstream	Period 1	2000-04-12	0.49
HR408008Downstream	Period 1	2000-05-15	1.60
HR408008Downstream	Period 1	2000-06-12	0.38
HR408008Downstream	Period 1	2000-07-11	0.04
HR408008Downstream	Period 1	2000-08-09	0.15
HR408008Downstream	Period 1	2000-11-07	0.51
HR408008Downstream	Period 1	2000-12-06	1.38
HR408008Downstream	Period 1	2001-01-09	1.21
HR408008Downstream	Period 1	2001-02-06	1.22
HR408008Downstream	Period 1	2001-03-07	0.86
HR408008Downstream	Period 1	2001-04-18	1.32

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HR408008Downstream	Period 1	2001-05-03	1.23
HR408008Downstream	Period 1	2001-06-04	0.37
HR408008Downstream	Period 1	2001-07-18	0.51
HR408008Downstream	Period 1	2001-11-14	0.59
HR408008Downstream	Period 1	2001-12-12	0.14
HR408008Downstream	Period 2	2002-01-10	2.01
HR408008Downstream	Period 2	2002-02-21	1.01
HR408008Downstream	Period 2	2002-03-27	1.18
HR408008Downstream	Period 2	2002-04-24	1.07
HR408008Downstream	Period 2	2002-05-23	1.65
HR408008Downstream	Period 2	2002-06-06	0.54
HR408008Downstream	Period 2	2003-12-09	0.21
HR408008Downstream	Period 2	2004-01-08	1.14
HR408008Downstream	Period 2	2004-04-29	0.38
HR408008Downstream	Period 2	2004-05-27	0.87
HR408008Downstream	Period 2	2005-01-20	1.25
HR408008Downstream	Period 2	2005-02-22	1.20
HR408008Downstream	Period 2	2005-05-16	0.34
HR408008Downstream	Period 2	2005-10-25	1.02
HR408008Downstream	Period 2	2006-01-25	1.26
HR408008Downstream	Period 2	2006-04-11	1.27
HR408008Downstream	Period 2	2006-05-24	1.56
HR408008Downstream	Period 2	2006-06-22	1.30
HR408008Downstream	Period 2	2006-07-06	1.31
HR408008Downstream	Period 2	2006-08-16	0.24
HR408008Downstream	Period 2	2006-11-07	0.72
HR408008Downstream	Period 2	2006-12-06	0.51
HR408008Downstream	Period 2	2007-01-31	0.13
HR408008Downstream	Period 2	2007-02-15	0.06
HR408008Downstream	Period 2	2007-03-29	0.91
HR408008Downstream	Period 2	2007-04-26	0.84
HR408008Downstream	Period 2	2007-05-10	0.37
HR408008Downstream	Period 2	2007-06-27	1.48
HR408008Downstream	Period 2	2007-07-25	0.41
HR408008Downstream	Period 2	2007-12-04	0.42
HR408008Downstream	Period 3	2008-01-10	0.54
HR408008Downstream	Period 3	2008-03-04	0.14
HR408008Downstream	Period 3	2008-06-12	0.90
HR408008Downstream	Period 3	2008-07-15	1.58
HR408008Downstream	Period 3	2008-10-07	0.73
HR408008Downstream	Period 3	2008-11-06	0.85
HR408008Downstream	Period 3	2008-12-09	1.48
HR408008Downstream	Period 3	2009-01-08	1.11
HR408008Downstream	Period 3	2009-02-03	1.53
HR408008Downstream	Period 3	2009-03-08	0.40
HR408008Downstream	Period 3	2009-04-21	0.96
HR408008Downstream	Period 3	2009-05-06	1.23
HR408008Downstream	Period 3	2009-11-23	0.08
HR408008Downstream	Period 3	2009-12-16	0.22
HR408008Downstream	Period 3	2010-06-23	0.29
HR408008Downstream	Period 3	2010-11-16	0.40
HR408008Downstream	Period 3	2010-12-01	1.06
HR408008Downstream	Period 3	2011-01-04	1.00
HR408008Downstream	Period 3	2011-03-16	1.25
HR408008Downstream	Period 3	2011-05-25	0.08
HR408008Downstream	Period 3	2011-06-27	1.23
HR408008Downstream	Period 4	2012-01-03	1.01

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HR408008Downstream	Period 4	2012-02-02	0.22
HR408008Downstream	Period 4	2012-03-06	0.53
HR408008Downstream	Period 4	2012-04-03	0.33
HR408008Downstream	Period 4	2012-05-02	1.10
HR408008Downstream	Period 4	2012-06-13	0.55
HR409261Downstream	Period 1	2000-04-12	1.02
HR409261Downstream	Period 1	2000-05-15	1.01
HR409261Downstream	Period 1	2000-06-12	0.11
HR409261Downstream	Period 1	2000-07-11	0.02
HR409261Downstream	Period 1	2000-08-09	1.32
HR409261Downstream	Period 1	2000-11-07	0.32
HR409261Downstream	Period 1	2000-12-06	0.38
HR409261Downstream	Period 1	2001-01-09	1.15
HR409261Downstream	Period 1	2001-02-06	0.63
HR409261Downstream	Period 1	2001-03-07	1.00
HR409261Downstream	Period 1	2001-04-18	0.34
HR409261Downstream	Period 1	2001-05-03	1.00
HR409261Downstream	Period 1	2001-06-04	0.36
HR409261Downstream	Period 1	2001-07-18	0.77
HR409261Downstream	Period 1	2001-11-14	1.07
HR409261Downstream	Period 1	2001-12-12	0.68
HR409261Downstream	Period 2	2002-01-10	1.66
HR409261Downstream	Period 2	2002-02-21	1.19
HR409261Downstream	Period 2	2002-03-27	0.52
HR409261Downstream	Period 2	2002-04-24	0.46
HR409261Downstream	Period 2	2002-05-23	1.05
HR409261Downstream	Period 2	2002-06-06	0.03
HR409261Downstream	Period 2	2003-12-09	0.66
HR409261Downstream	Period 2	2004-01-08	0.80
HR409261Downstream	Period 2	2004-04-29	0.31
HR409261Downstream	Period 2	2004-05-27	0.91
HR409261Downstream	Period 2	2005-01-20	1.34
HR409261Downstream	Period 2	2005-02-22	1.49
HR409261Downstream	Period 2	2005-05-16	0.36
HR409261Downstream	Period 2	2005-10-25	0.99
HR409261Downstream	Period 2	2006-01-25	1.27
HR409261Downstream	Period 2	2006-04-11	1.01
HR409261Downstream	Period 2	2006-05-24	0.95
HR409261Downstream	Period 2	2006-06-22	1.22
HR409261Downstream	Period 2	2006-07-06	0.29
HR409261Downstream	Period 2	2006-08-16	0.15
HR409261Downstream	Period 2	2006-11-07	0.20
HR409261Downstream	Period 2	2006-12-06	0.12
HR409261Downstream	Period 2	2007-01-31	0.15
HR409261Downstream	Period 2	2007-02-15	0.08
HR409261Downstream	Period 2	2007-03-29	0.87
HR409261Downstream	Period 2	2007-04-26	0.94
HR409261Downstream	Period 2	2007-05-10	0.02
HR409261Downstream	Period 2	2007-06-27	1.55
HR409261Downstream	Period 2	2007-07-25	0.02
HR409261Downstream	Period 2	2007-12-04	0.58
HR409261Downstream	Period 3	2008-01-10	0.55
HR409261Downstream	Period 3	2008-03-04	0.65
HR409261Downstream	Period 3	2008-06-12	0.67
HR409261Downstream	Period 3	2008-07-15	1.03
HR409261Downstream	Period 3	2008-10-07	0.72
HR409261Downstream	Period 3	2008-11-06	1.12

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HR409261Downstream	Period 3	2008-12-09	0.85
HR409261Downstream	Period 3	2009-01-08	0.08
HR409261Downstream	Period 3	2009-02-03	0.38
HR409261Downstream	Period 3	2009-03-08	0.38
HR409261Downstream	Period 3	2009-04-21	1.56
HR409261Downstream	Period 3	2009-05-06	0.69
HR409261Downstream	Period 3	2009-11-23	0.22
HR409261Downstream	Period 3	2009-12-16	0.34
HR409261Downstream	Period 3	2010-06-23	0.10
HR409261Downstream	Period 3	2010-11-16	0.19
HR409261Downstream	Period 3	2010-12-01	0.54
HR409261Downstream	Period 3	2011-01-04	0.43
HR409261Downstream	Period 3	2011-03-16	0.28
HR409261Downstream	Period 3	2011-05-25	0.26
HR409261Downstream	Period 3	2011-06-27	2.01
HR409261Downstream	Period 4	2012-01-03	1.74
HR409261Downstream	Period 4	2012-02-02	0.42
HR409261Downstream	Period 4	2012-03-06	0.17
HR409261Downstream	Period 4	2012-04-03	0.34
HR409261Downstream	Period 4	2012-05-02	0.24
HR409261Downstream	Period 4	2012-06-13	0.42
HR511340Lower	Period 1	2000-04-12	1.24
HR511340Lower	Period 1	2000-05-15	0.73
HR511340Lower	Period 1	2000-06-12	0.16
HR511340Lower	Period 1	2000-07-11	0.14
HR511340Lower	Period 1	2000-08-09	1.91
HR511340Lower	Period 1	2000-11-07	0.18
HR511340Lower	Period 1	2000-12-06	1.08
HR511340Lower	Period 1	2001-01-09	0.79
HR511340Lower	Period 1	2001-02-06	0.78
HR511340Lower	Period 1	2001-03-07	0.92
HR511340Lower	Period 1	2001-04-18	0.68
HR511340Lower	Period 1	2001-05-03	1.70
HR511340Lower	Period 1	2001-06-04	1.14
HR511340Lower	Period 1	2001-07-18	1.56
HR511340Lower	Period 1	2001-11-14	0.51
HR511340Lower	Period 1	2001-12-12	0.57
HR511340Lower	Period 2	2002-01-10	1.26
HR511340Lower	Period 2	2002-02-21	1.36
HR511340Lower	Period 2	2002-03-27	0.89
HR511340Lower	Period 2	2002-04-24	0.19
HR511340Lower	Period 2	2002-05-23	0.25
HR511340Lower	Period 2	2002-06-06	0.49
HR511340Lower	Period 2	2003-12-09	1.22
HR511340Lower	Period 2	2004-01-08	0.95
HR511340Lower	Period 2	2004-04-29	0.16
HR511340Lower	Period 2	2004-05-27	0.35
HR511340Lower	Period 2	2005-01-20	1.35
HR511340Lower	Period 2	2005-02-22	1.49
HR511340Lower	Period 2	2005-05-16	0.14
HR511340Lower	Period 2	2005-10-25	0.57
HR511340Lower	Period 2	2006-01-25	1.17
HR511340Lower	Period 2	2006-04-11	1.21
HR511340Lower	Period 2	2006-05-24	1.22
HR511340Lower	Period 2	2006-06-22	1.25
HR511340Lower	Period 2	2006-07-06	0.07
HR511340Lower	Period 2	2006-08-16	0.20

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HR511340Lower	Period 2	2006-11-07	0.82
HR511340Lower	Period 2	2006-12-06	0.31
HR511340Lower	Period 2	2007-01-31	0.09
HR511340Lower	Period 2	2007-02-15	0.66
HR511340Lower	Period 2	2007-03-29	1.38
HR511340Lower	Period 2	2007-04-26	1.09
HR511340Lower	Period 2	2007-05-10	0.06
HR511340Lower	Period 2	2007-06-27	0.62
HR511340Lower	Period 2	2007-07-25	0.13
HR511340Lower	Period 2	2007-12-04	0.74
HR511340Lower	Period 3	2008-01-10	0.37
HR511340Lower	Period 3	2008-03-04	0.09
HR511340Lower	Period 3	2008-06-12	1.20
HR511340Lower	Period 3	2008-07-15	2.47
HR511340Lower	Period 3	2008-10-07	0.05
HR511340Lower	Period 3	2008-11-06	1.04
HR511340Lower	Period 3	2008-12-09	0.31
HR511340Lower	Period 3	2009-01-08	0.42
HR511340Lower	Period 3	2009-02-03	0.75
HR511340Lower	Period 3	2009-03-08	1.13
HR511340Lower	Period 3	2009-04-21	0.94
HR511340Lower	Period 3	2009-05-06	0.72
HR511340Lower	Period 3	2009-11-23	0.69
HR511340Lower	Period 3	2009-12-16	0.09
HR511340Lower	Period 3	2010-06-23	0.01
HR511340Lower	Period 3	2010-11-16	0.13
HR511340Lower	Period 3	2010-12-01	0.80
HR511340Lower	Period 3	2011-01-04	0.34
HR511340Lower	Period 3	2011-03-16	0.29
HR511340Lower	Period 3	2011-05-25	0.08
HR511340Lower	Period 3	2011-06-27	1.19
HR511340Lower	Period 4	2012-01-03	0.87
HR511340Lower	Period 4	2012-02-02	0.08
HR511340Lower	Period 4	2012-03-06	0.32
HR511340Lower	Period 4	2012-04-03	0.01
HR511340Lower	Period 4	2012-05-02	0.16
HR511340Lower	Period 4	2012-06-13	0.25
HR511340Lower	Period 5	2018-04-10	0.23
HR511340Lower	Period 5	2018-05-08	0.15
HR511370Lower	Period 1	2000-04-12	1.08
HR511370Lower	Period 1	2000-05-15	1.20
HR511370Lower	Period 1	2000-06-12	0.08
HR511370Lower	Period 1	2000-07-11	0.05
HR511370Lower	Period 1	2000-08-09	1.28
HR511370Lower	Period 1	2000-11-07	0.41
HR511370Lower	Period 1	2000-12-06	0.68
HR511370Lower	Period 1	2001-01-09	2.03
HR511370Lower	Period 1	2001-02-06	1.04
HR511370Lower	Period 1	2001-03-07	2.05
HR511370Lower	Period 1	2001-04-18	0.66
HR511370Lower	Period 1	2001-05-03	1.23
HR511370Lower	Period 1	2001-06-04	0.48
HR511370Lower	Period 1	2001-07-18	0.48
HR511370Lower	Period 1	2001-11-14	0.42
HR511370Lower	Period 1	2001-12-12	0.55
HR511370Lower	Period 2	2002-01-10	1.39
HR511370Lower	Period 2	2002-02-21	0.92

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HR511370Lower	Period 2	2002-03-27	0.34
HR511370Lower	Period 2	2002-04-24	0.11
HR511370Lower	Period 2	2002-05-23	0.77
HR511370Lower	Period 2	2002-06-06	0.53
HR511370Lower	Period 2	2003-12-09	0.46
HR511370Lower	Period 2	2004-01-08	0.39
HR511370Lower	Period 2	2004-04-29	0.11
HR511370Lower	Period 2	2004-05-27	0.39
HR511370Lower	Period 2	2005-01-20	1.50
HR511370Lower	Period 2	2005-02-22	1.43
HR511370Lower	Period 2	2005-05-16	0.07
HR511370Lower	Period 2	2005-10-25	0.83
HR511370Lower	Period 2	2006-01-25	1.10
HR511370Lower	Period 2	2006-04-11	1.16
HR511370Lower	Period 2	2006-05-24	1.26
HR511370Lower	Period 2	2006-06-22	1.15
HR511370Lower	Period 2	2006-07-06	0.18
HR511370Lower	Period 2	2006-08-16	0.14
HR511370Lower	Period 2	2006-11-07	1.08
HR511370Lower	Period 2	2006-12-06	0.80
HR511370Lower	Period 2	2007-01-31	0.09
HR511370Lower	Period 2	2007-02-15	0.83
HR511370Lower	Period 2	2007-03-29	1.38
HR511370Lower	Period 2	2007-04-26	0.88
HR511370Lower	Period 2	2007-05-10	0.02
HR511370Lower	Period 2	2007-06-27	0.96
HR511370Lower	Period 2	2007-07-25	0.34
HR511370Lower	Period 2	2007-12-04	0.76
HR511370Lower	Period 3	2008-01-10	0.19
HR511370Lower	Period 3	2008-03-04	0.26
HR511370Lower	Period 3	2008-06-12	0.20
HR511370Lower	Period 3	2008-07-15	1.79
HR511370Lower	Period 3	2008-10-07	0.03
HR511370Lower	Period 3	2008-11-06	0.79
HR511370Lower	Period 3	2008-12-09	0.20
HR511370Lower	Period 3	2009-01-08	0.26
HR511370Lower	Period 3	2009-02-03	0.73
HR511370Lower	Period 3	2009-03-08	0.86
HR511370Lower	Period 3	2009-04-21	0.91
HR511370Lower	Period 3	2009-05-06	0.67
HR511370Lower	Period 3	2009-11-23	0.66
HR511370Lower	Period 3	2009-12-16	0.16
HR511370Lower	Period 3	2010-06-23	0.01
HR511370Lower	Period 3	2010-11-16	0.07
HR511370Lower	Period 3	2010-12-01	0.81
HR511370Lower	Period 3	2011-01-04	1.17
HR511370Lower	Period 3	2011-03-16	0.35
HR511370Lower	Period 3	2011-05-25	0.05
HR511370Lower	Period 3	2011-06-27	0.95
HR511370Lower	Period 4	2012-01-03	0.33
HR511370Lower	Period 4	2012-02-02	0.09
HR511370Lower	Period 4	2012-03-06	0.21
HR511370Lower	Period 4	2012-04-03	0.06
HR511370Lower	Period 4	2012-05-02	0.15
HR511370Lower	Period 4	2012-06-13	0.04
HR511370Lower	Period 5	2018-04-10	0.47
HR511370Lower	Period 5	2018-05-08	0.34

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HR612733Middle	Period 1	2000-04-12	1.36
HR612733Middle	Period 1	2000-05-15	0.76
HR612733Middle	Period 1	2000-06-12	0.05
HR612733Middle	Period 1	2000-07-11	1.84
HR612733Middle	Period 1	2000-08-09	1.04
HR612733Middle	Period 1	2000-11-07	0.96
HR612733Middle	Period 1	2000-12-06	1.33
HR612733Middle	Period 1	2001-01-09	1.54
HR612733Middle	Period 1	2001-02-06	0.18
HR612733Middle	Period 1	2001-03-07	1.68
HR612733Middle	Period 1	2001-04-18	0.74
HR612733Middle	Period 1	2001-05-03	1.19
HR612733Middle	Period 1	2001-06-04	0.42
HR612733Middle	Period 1	2001-07-18	1.64
HR612733Middle	Period 1	2001-11-14	0.32
HR612733Middle	Period 1	2001-12-12	1.27
HR612733Middle	Period 2	2002-01-10	0.67
HR612733Middle	Period 2	2002-02-21	1.06
HR612733Middle	Period 2	2002-03-27	0.38
HR612733Middle	Period 2	2002-04-24	0.11
HR612733Middle	Period 2	2002-05-23	0.53
HR612733Middle	Period 2	2002-06-06	0.55
HR612733Middle	Period 2	2003-12-09	0.16
HR612733Middle	Period 2	2004-01-08	0.60
HR612733Middle	Period 2	2004-04-29	0.97
HR612733Middle	Period 2	2004-05-27	0.23
HR612733Middle	Period 2	2005-01-20	1.24
HR612733Middle	Period 2	2005-02-22	1.33
HR612733Middle	Period 2	2005-05-16	0.90
HR612733Middle	Period 2	2005-10-25	0.79
HR612733Middle	Period 2	2006-01-25	1.11
HR612733Middle	Period 2	2006-04-11	0.48
HR612733Middle	Period 2	2006-05-24	1.91
HR612733Middle	Period 2	2006-06-22	1.57
HR612733Middle	Period 2	2006-07-06	0.75
HR612733Middle	Period 2	2006-08-16	0.29
HR612733Middle	Period 2	2006-11-07	0.10
HR612733Middle	Period 2	2006-12-06	0.64
HR612733Middle	Period 2	2007-01-31	0.06
HR612733Middle	Period 2	2007-02-15	0.06
HR612733Middle	Period 2	2007-03-29	1.18
HR612733Middle	Period 2	2007-04-26	0.33
HR612733Middle	Period 2	2007-05-10	1.19
HR612733Middle	Period 2	2007-06-27	1.55
HR612733Middle	Period 2	2007-07-25	0.50
HR612733Middle	Period 2	2007-12-04	0.32
HR612733Middle	Period 3	2008-01-10	0.03
HR612733Middle	Period 3	2008-03-04	0.13
HR612733Middle	Period 3	2008-06-12	0.28
HR612733Middle	Period 3	2008-07-15	0.18
HR612733Middle	Period 3	2008-10-07	0.01
HR612733Middle	Period 3	2008-11-06	0.79
HR612733Middle	Period 3	2008-12-09	0.10
HR612733Middle	Period 3	2009-01-08	0.17
HR612733Middle	Period 3	2009-02-03	0.11
HR612733Middle	Period 3	2009-03-08	0.42
HR612733Middle	Period 3	2009-04-21	0.37

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HR612733Middle	Period 3	2009-05-06	0.87
HR612733Middle	Period 3	2009-11-23	0.07
HR612733Middle	Period 3	2009-12-16	0.07
HR612733Middle	Period 3	2010-06-23	0.48
HR612733Middle	Period 3	2010-11-16	0.15
HR612733Middle	Period 3	2010-12-01	0.79
HR612733Middle	Period 3	2011-01-04	0.20
HR612733Middle	Period 3	2011-03-16	0.43
HR612733Middle	Period 3	2011-05-25	0.15
HR612733Middle	Period 3	2011-06-27	1.39
HR612733Middle	Period 4	2012-01-03	0.22
HR612733Middle	Period 4	2012-02-02	0.24
HR612733Middle	Period 4	2012-03-06	0.51
HR612733Middle	Period 4	2012-04-03	0.10
HR612733Middle	Period 4	2012-05-02	0.13
HR612733Middle	Period 4	2012-06-13	0.11
HR612733Middle	Period 5	2018-04-10	0.18
HR612733Middle	Period 5	2018-05-08	0.28
HR612971Middle	Period 1	2000-04-12	1.23
HR612971Middle	Period 1	2000-05-15	0.58
HR612971Middle	Period 1	2000-06-12	0.33
HR612971Middle	Period 1	2000-07-11	0.17
HR612971Middle	Period 1	2000-08-09	1.27
HR612971Middle	Period 1	2000-11-07	0.22
HR612971Middle	Period 1	2000-12-06	0.88
HR612971Middle	Period 1	2001-01-09	1.33
HR612971Middle	Period 1	2001-02-06	0.24
HR612971Middle	Period 1	2001-03-07	1.51
HR612971Middle	Period 1	2001-04-18	0.25
HR612971Middle	Period 1	2001-05-03	1.19
HR612971Middle	Period 1	2001-06-04	1.03
HR612971Middle	Period 1	2001-07-18	1.26
HR612971Middle	Period 1	2001-11-14	0.04
HR612971Middle	Period 1	2001-12-12	1.09
HR612971Middle	Period 2	2002-01-10	0.13
HR612971Middle	Period 2	2002-02-21	0.70
HR612971Middle	Period 2	2002-03-27	0.18
HR612971Middle	Period 2	2002-04-24	0.07
HR612971Middle	Period 2	2002-05-23	0.78
HR612971Middle	Period 2	2002-06-06	0.31
HR612971Middle	Period 2	2003-12-09	1.65
HR612971Middle	Period 2	2004-01-08	1.64
HR612971Middle	Period 2	2004-04-29	0.36
HR612971Middle	Period 2	2004-05-27	0.06
HR612971Middle	Period 2	2005-01-20	1.15
HR612971Middle	Period 2	2005-02-22	0.93
HR612971Middle	Period 2	2005-05-16	0.51
HR612971Middle	Period 2	2005-10-25	0.12
HR612971Middle	Period 2	2006-01-25	0.23
HR612971Middle	Period 2	2006-04-11	0.11
HR612971Middle	Period 2	2006-05-24	1.70
HR612971Middle	Period 2	2006-06-22	1.65
HR612971Middle	Period 2	2006-07-06	0.50
HR612971Middle	Period 2	2006-08-16	1.83
HR612971Middle	Period 2	2006-11-07	0.86
HR612971Middle	Period 2	2006-12-06	0.79
HR612971Middle	Period 2	2007-01-31	0.04

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HR612971	Middle	Period 2	2007-02-15	0.05
HR612971	Middle	Period 2	2007-03-29	0.38
HR612971	Middle	Period 2	2007-04-26	0.07
HR612971	Middle	Period 2	2007-05-10	0.25
HR612971	Middle	Period 2	2007-06-27	0.89
HR612971	Middle	Period 2	2007-07-25	1.15
HR612971	Middle	Period 2	2007-12-04	0.73
HR612971	Middle	Period 3	2008-01-10	0.02
HR612971	Middle	Period 3	2008-03-04	0.49
HR612971	Middle	Period 3	2008-06-12	0.76
HR612971	Middle	Period 3	2008-07-15	1.13
HR612971	Middle	Period 3	2008-10-07	0.05
HR612971	Middle	Period 3	2008-11-06	0.06
HR612971	Middle	Period 3	2008-12-09	0.26
HR612971	Middle	Period 3	2009-01-08	0.11
HR612971	Middle	Period 3	2009-02-03	0.31
HR612971	Middle	Period 3	2009-03-08	0.19
HR612971	Middle	Period 3	2009-04-21	0.03
HR612971	Middle	Period 3	2009-05-06	0.10
HR612971	Middle	Period 3	2009-11-23	0.09
HR612971	Middle	Period 3	2009-12-16	0.10
HR612971	Middle	Period 3	2010-06-23	1.89
HR612971	Middle	Period 3	2010-11-16	0.98
HR612971	Middle	Period 3	2010-12-01	0.41
HR612971	Middle	Period 3	2011-01-04	0.20
HR612971	Middle	Period 3	2011-03-16	0.67
HR612971	Middle	Period 3	2011-05-25	0.02
HR612971	Middle	Period 3	2011-06-27	1.65
HR612971	Middle	Period 4	2012-01-03	0.42
HR612971	Middle	Period 4	2012-02-02	0.37
HR612971	Middle	Period 4	2012-03-06	0.74
HR612971	Middle	Period 4	2012-04-03	0.02
HR612971	Middle	Period 4	2012-05-02	0.46
HR612971	Middle	Period 4	2012-06-13	0.05
HR612971	Middle	Period 5	2018-04-10	0.26
HR612971	Middle	Period 5	2018-05-08	0.88
Lower A	Lower	Period 5	2020-05-17	0.28
Lower A	Lower	Period 5	2021-05-23	0.59
Lower A	Lower	Period 5	2022-03-27	1.04
Lower A	Lower	Period 5	2023-04-06	1.10
Lower A	Lower	Period 5	2023-12-12	0.37
Lower B	Lower	Period 5	2020-05-17	0.20
Lower B	Lower	Period 5	2021-05-23	0.92
Lower B	Lower	Period 5	2022-03-27	2.07
Lower B	Lower	Period 5	2023-04-06	1.67
Lower B	Lower	Period 5	2023-12-12	1.01
Middle A	Middle	Period 5	2020-05-17	0.11
Middle A	Middle	Period 5	2021-05-23	0.49
Middle A	Middle	Period 5	2022-03-27	1.51
Middle A	Middle	Period 5	2023-04-06	1.93
Middle A	Middle	Period 5	2023-12-12	0.06
Middle B	Middle	Period 5	2020-05-17	0.06
Middle B	Middle	Period 5	2021-05-23	0.04
Middle B	Middle	Period 5	2022-03-27	1.90
Middle B	Middle	Period 5	2023-04-06	2.14
Middle B	Middle	Period 5	2023-12-12	0.09
Upper A	Upper	Period 5	2020-05-17	0.06

Upper A	Upper	Period 5	2021-05-23	0.13
Upper A	Upper	Period 5	2022-03-27	1.78
Upper A	Upper	Period 5	2023-04-06	0.93
Upper A	Upper	Period 5	2023-12-12	0.01
Upper B	Upper	Period 5	2020-05-17	0.14
Upper B	Upper	Period 5	2021-05-23	0.20
Upper B	Upper	Period 5	2022-03-27	2.01
Upper B	Upper	Period 5	2023-04-06	1.35
Upper B	Upper	Period 5	2023-12-12	0.07

3.3.1.2 Diversity by segment

River SegmentShan_div	
Upper	0.19
Middle	0.95
Lower	1.07
Downstream	1.67

3.3.1.3 Diversity by period

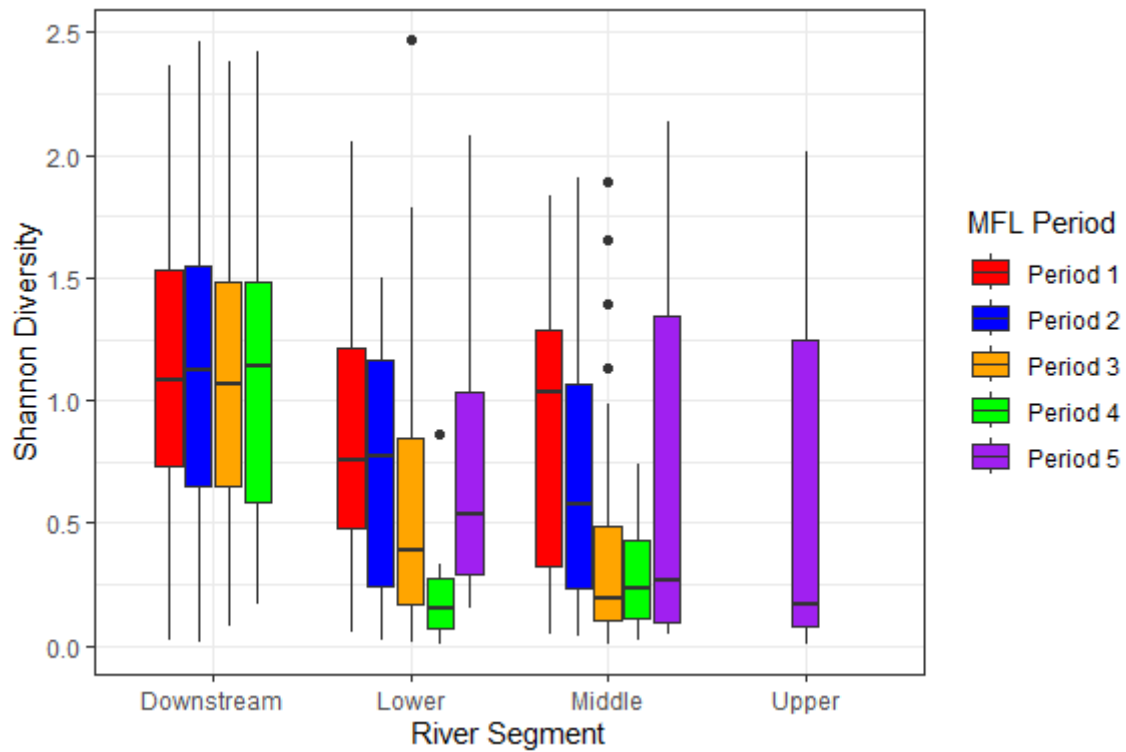
MFL PeriodShan_div	
Period 1	1.55
Period 2	1.47
Period 3	1.39
Period 4	1.32
Period 5	0.29

3.3.1.4 Diversity by segment and period

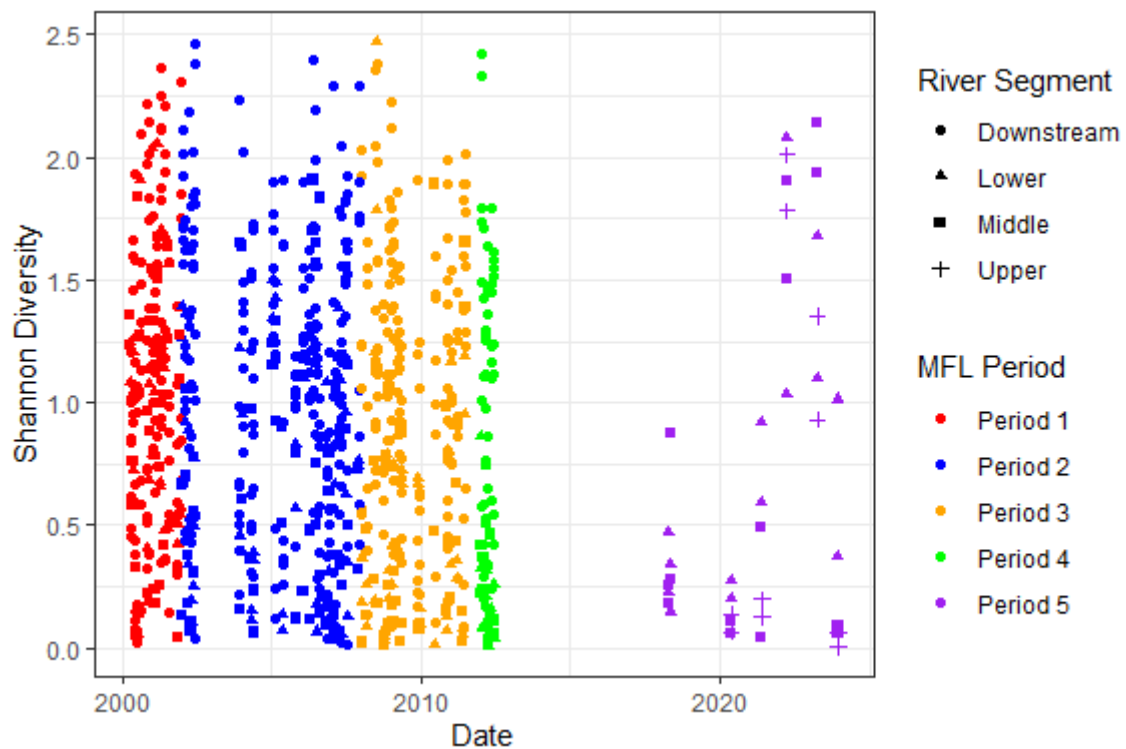
River SegmentMFL PeriodShan_div		
Upper	Period 5	0.19
Middle	Period 1	1.27
Middle	Period 2	1.09
Middle	Period 3	0.28
Middle	Period 4	0.21
Middle	Period 5	0.32
Lower	Period 1	1.26
Lower	Period 2	1.24
Lower	Period 3	0.78
Lower	Period 4	0.13
Lower	Period 5	0.31
Downstream	Period 1	1.59
Downstream	Period 2	1.52
Downstream	Period 3	1.56
Downstream	Period 4	1.56

3.3.2 FIGURES

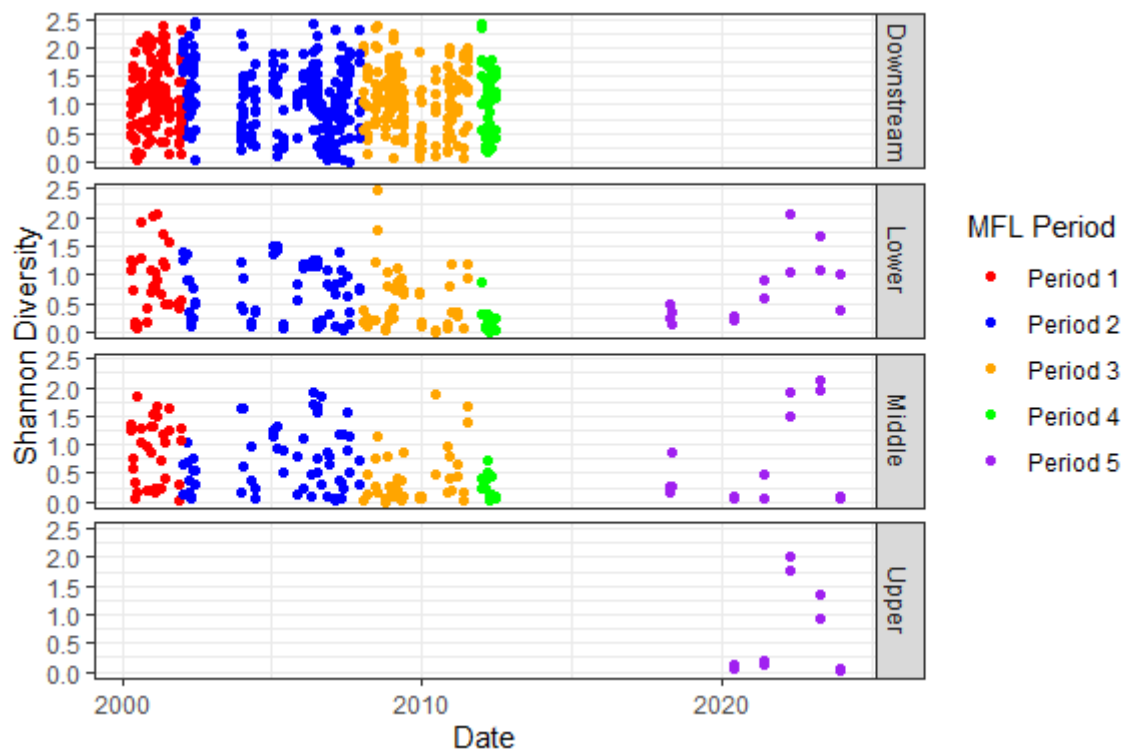
3.3.2.1 Boxplot of site level diversity by MFL period and river segment



3.3.2.2 Site level diversity over time



3.3.2.3 Site level diversity over time by MFL period and river segment



3.4 RICHNESS

3.4.1 TABLES

3.4.1.1 The total number of taxa (richness) of organisms found in the entire data set.

x
328

3.4.1.2 Richness across MFL periods by river segment.

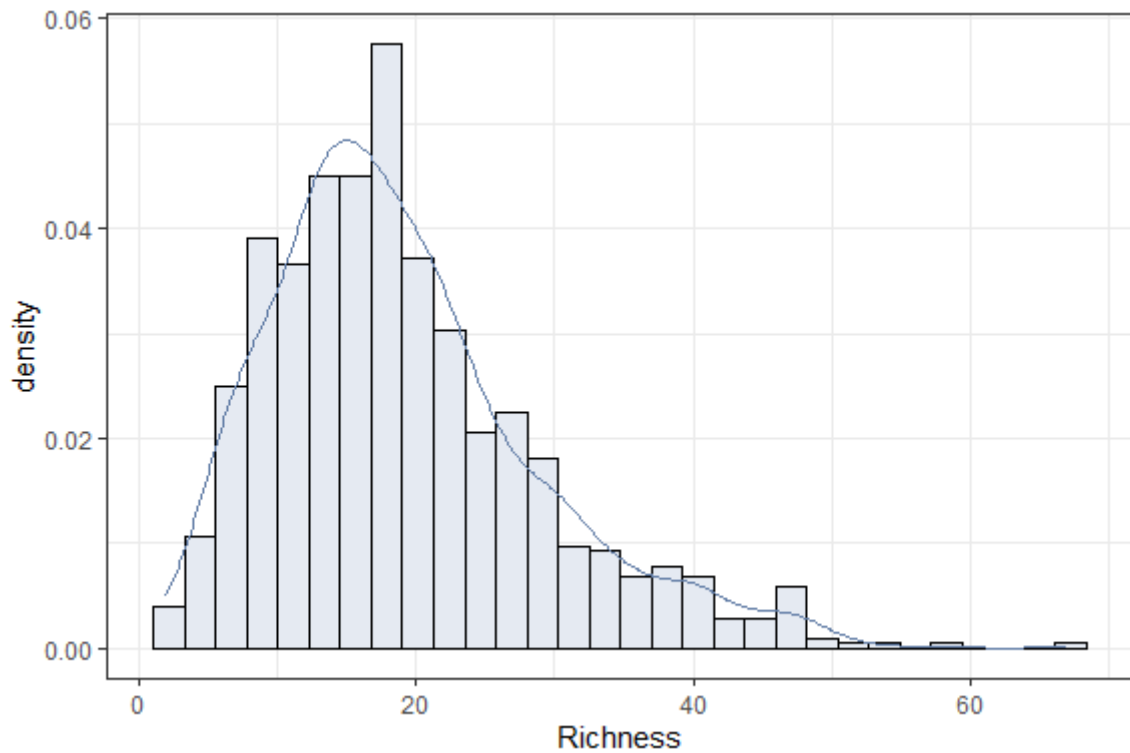
River Segment	Period 1	Period 2	Period 3	Period 4	Period 5	Segment Richness
Upper	NA	NA	NA	NA	39	39
Middle	79	93	78	38	53	144
Lower	78	100	101	53	55	161
Downstream	168	194	194	137	NA	280

3.4.1.3 Richness across river segments by MFL period.

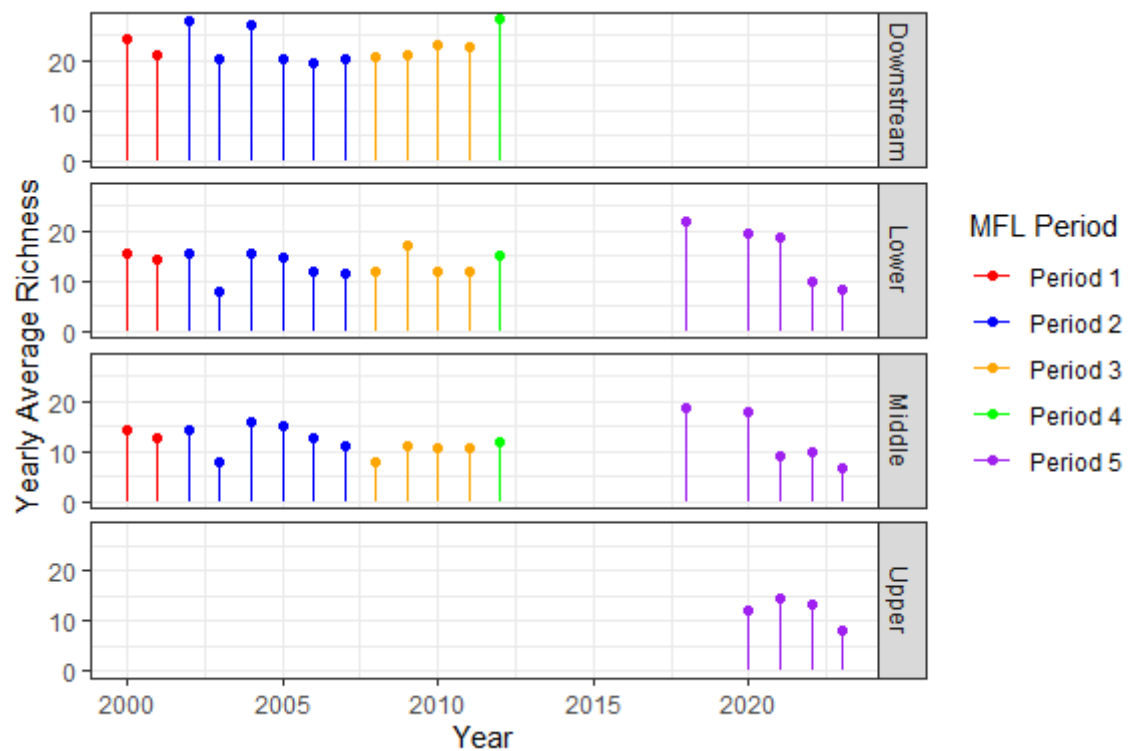
MFL Period	Upper	Middle	Lower	Downstream	Period Richness
Period 1	NA	79	78	168	193
Period 2	NA	93	100	194	223
Period 3	NA	78	101	194	220
Period 4	NA	38	53	137	149
Period 5	39	53	55	NA	85

3.4.2 FIGURES

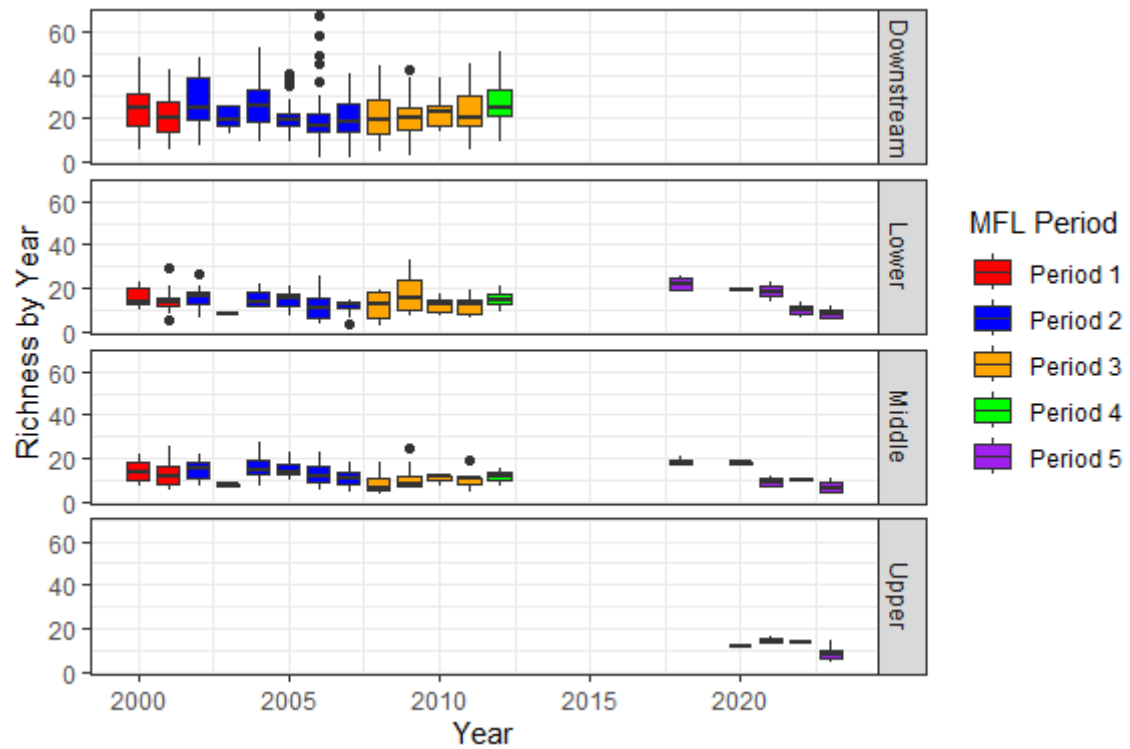
3.4.2.1 Histogram of species richness



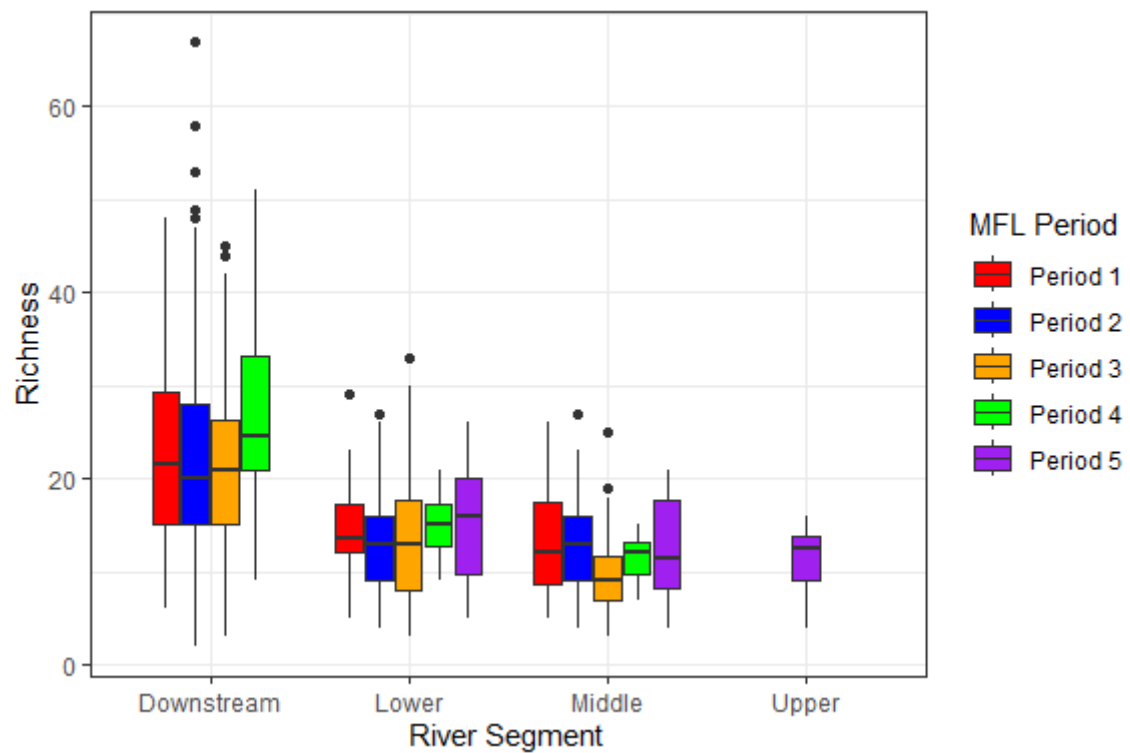
3.4.2.2 Average richness over time, grouped by year of samplin, by MFL period and river segment.



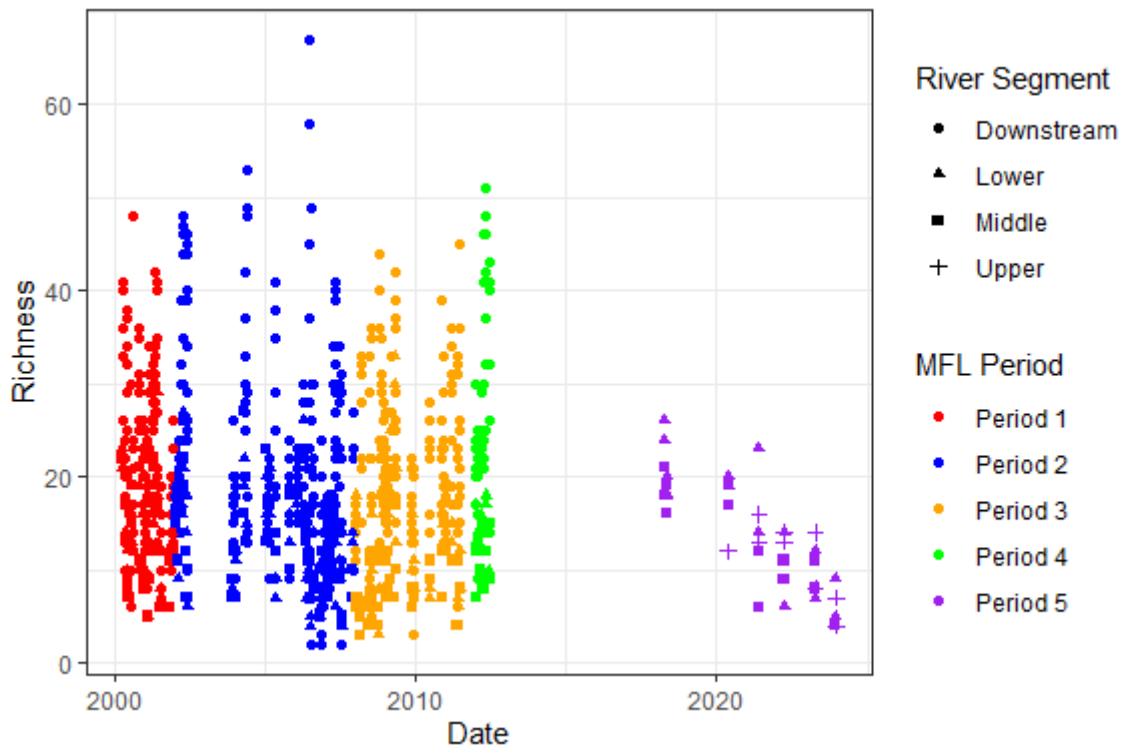
3.4.2.3 Boxplots of richness, grouped by year, by MFL period and river segment.



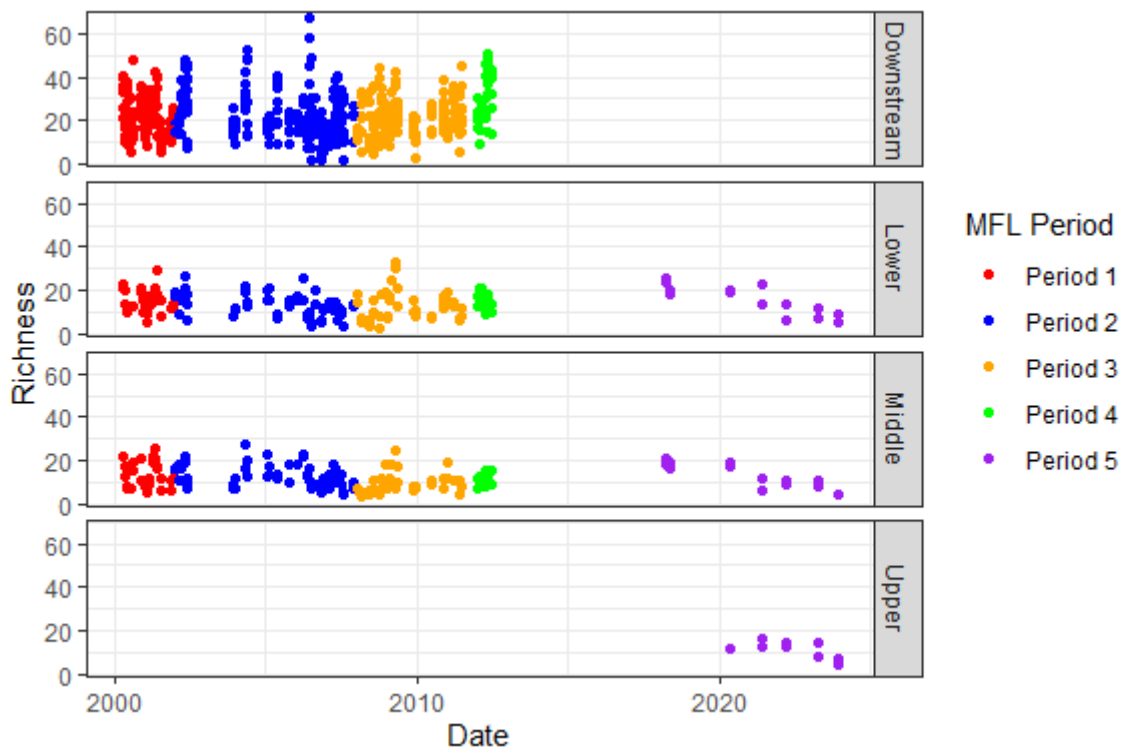
3.4.2.4 Boxplot of site level richness by MFL period and river segment.



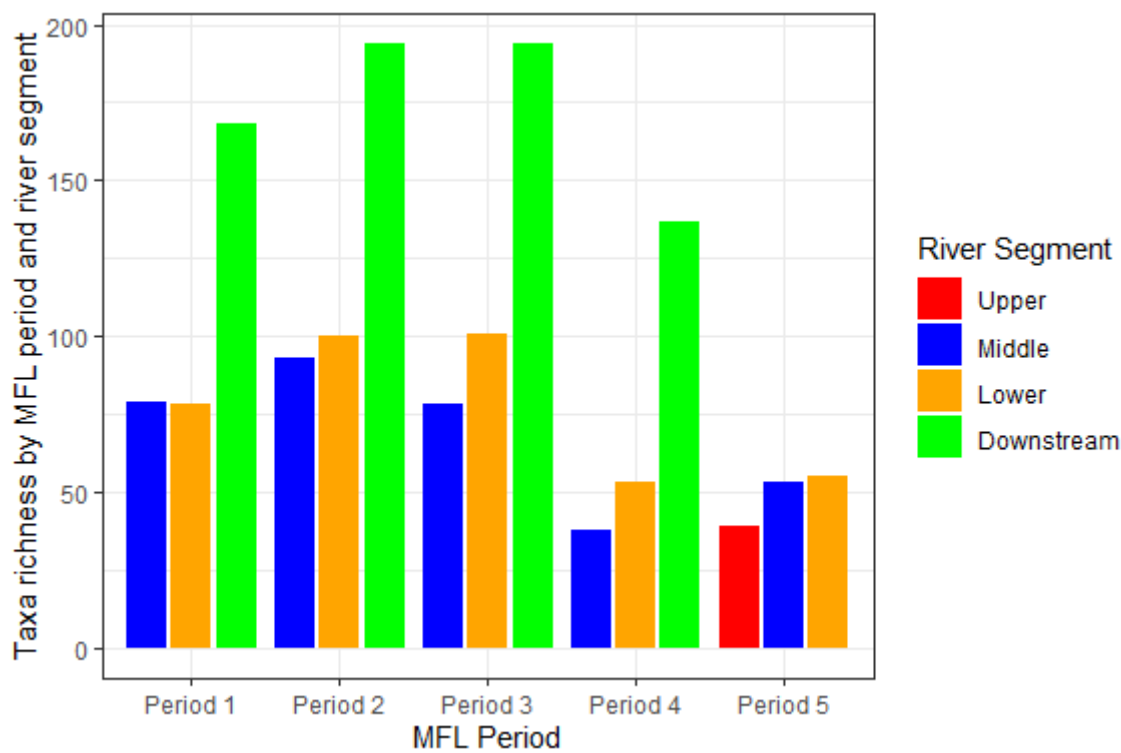
3.4.2.5 Site level richness over time



3.4.2.6 Site level richness over time by MFL period and river segment



3.4.2.7 Taxa richness by MFL period and river segment



4 BENTHIC MACROINVERTEBRATES

4.1 ABUNDANCE

4.1.1 TABLES

4.1.1.1 Total abundance of the data set.

Total Abundance
173112

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4.1.1.2 Total abundance of each taxon, and MFL period:River segment abundance, sorted by most abundant.

Final Taxa	Total Abun	Period 1 Upper	Period 1 Middle	Period 1 Lower	Period 1 Downstream	Period 2 Upper	Period 2 Middle	Period 2 Lower	Period 2 Downstream	Period 3 Upper	Period 3 Middle	Period 3 Lower	Period 3 Downstream	Period 5 Upper	Period 5 Middle	Period 5 Lower
<i>Grandidierella bonnieroides</i>	23101.0 0	7	5	0	1285.00	219	62	284	11163.00	20	50	358	9052.00	93	203	300
<i>Stenoninereis martini</i>	17850.0 0	23	169	141	2450.00	485	1652	491	7299.00	11	831	620	1910.00	184	541	1043
Naididae	14216.0 0	248	197	46	1195.00	962	962	382	6099.00	372	50	0	3703.00	0	0	0
<i>Laeonereis culveri</i>	10956.0 0	53	1	2	408.00	104	385	1313	4635.00	2	105	283	3098.00	37	294	236
<i>Mytilopsis leucophaeata</i>	6579.00	57	6	2	1264.00	133	180	430	828.00	131	343	49	2703.00	28	237	188
<i>Streblospio gynobranchiata</i>	6573.00	0	1	0	28.00	0	0	54	1125.00	11	23	1078	4252.00	0	0	1
<i>Melanoides tuberculata</i>	6500.00	23	6	4	5.00	1258	1303	166	505.00	1036	518	270	807.00	325	151	123
<i>Kirkegaardia</i> sp.	5824.00	0	0	0	3934.00	0	0	2	1671.00	0	0	0	217.00	0	0	0
<i>Streblospio</i> sp.	5714.00	0	1	0	109.00	1	44	556	4813.00	0	0	0	172.00	0	0	18
<i>Pyrgophorus platyrachis</i>	5328.00	105	0	7	0.00	1273	573	697	1931.00	365	158	14	26.00	79	21	79
<i>Polypedilum halterale</i> grp.	4220.00	0	0	0	7.00	121	47	39	3514.00	32	6	0	0.00	325	123	6
<i>Ampelisca abdita</i>	3843.00	0	0	1	2068.00	0	2	0	396.00	0	0	0	1376.00	0	0	0
<i>Melinna maculata</i>	3656.00	0	0	0	211.00	0	1	1	2857.00	1	0	0	585.00	0	0	0
<i>Monticellina dorsobranchialis</i>	3613.00	0	0	4	2248.00	0	0	0	48.00	0	0	0	1313.00	0	0	0
Hydrobiidae	2936.00	3	1	0	5.00	687	1331	17	185.00	296	80	25	155.00	14	29	108
<i>Laeonereis</i> cf. <i>longula</i>	2928.00	216	160	135	1366.00	115	40	5	578.00	0	1	58	254.00	0	0	0
<i>Tubificoides brownae</i>	2670.00	0	0	0	423.00	0	0	0	1795.00	0	0	0	452.00	0	0	0
<i>Capitella capitata</i> sp. complex	2495.00	1	0	1	567.00	0	1	6	1305.00	0	0	0	614.00	0	0	0
Tubificidae w/o hair	2180.00	1	0	0	114.00	74	1	10	14.00	0	0	0	0.00	889	952	125
<i>Hargeria/Leptochelia</i> sp. complex	2030.00	0	0	0	0.00	0	0	0	793.00	0	1	0	1236.00	0	0	0
<i>Littoridinops palustris</i>	1941.00	6	0	0	106.00	0	0	2	1771.00	0	0	0	53.00	3	0	0
<i>Corbicula fluminea</i>	1797.00	216	72	12	5.00	593	290	133	253.00	95	11	0	0.00	96	20	1
<i>Chironomus</i> sp.	1451.00	22	3	1	13.00	76	160	17	456.00	31	143	117	244.00	6	95	67
<i>Cassidinidea ovalis</i>	1329.00	3	0	0	0.00	245	13	6	13.00	535	10	1	4.00	489	8	2
<i>Limnodrilus hoffmeisteri</i>	1115.00	0	0	0	0.00	248	148	23	2.00	67	1	0	0.00	400	200	26
<i>Almyracuma bacescui</i>	1095.00	0	3	2	9.00	0	12	44	382.00	0	0	32	566.00	0	2	43
<i>Limnodriloides</i> sp.	1037.00	0	0	0	3.00	0	0	0	16.00	0	0	3	1015.00	0	0	0
<i>Melita nitida</i> complex	949.00	0	0	0	28.00	0	0	0	248.00	0	2	1	670.00	0	0	0
<i>Polydora websteri</i>	892.00	0	0	0	3.00	0	0	0	861.00	0	0	0	28.00	0	0	0
<i>Ampelisca holmesi</i>	847.00	0	0	0	749.00	0	0	0	60.00	0	0	0	38.00	0	0	0

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Aricidea (Acmira) taylori	841.00	0	0	0	336.00	0	0	0	152.00	0	0	0	353.00	0	0	0
Cyathura polita	840.00	0	0	0	26.00	0	0	31	398.00	0	0	0	385.00	0	0	0
Mysella planulata	766.00	0	0	0	19.00	0	0	0	46.00	0	1	0	700.00	0	0	0
Polypedilum scalaenum grp.	732.00	0	0	0	9.00	85	5	24	439.00	0	2	0	3.00	157	8	0
Rhithropanopeus harrisii	721.00	32	1	1	82.00	17	14	21	229.00	1	10	6	148.00	121	30	8
Hyalella azteca	711.00	0	0	0	0.00	108	2	0	1.00	564	1	0	1.00	34	0	0
Edotia triloba	702.00	0	0	0	175.00	0	0	5	150.00	0	1	4	366.00	0	0	1
Streblospio benedicti	660.00	0	0	33	387.00	0	1	3	163.00	0	0	0	0.00	5	61	7
Polydora cornuta sp. complex	620.00	0	0	0	0.00	0	34	3	213.00	3	75	52	238.00	0	0	2
Nemertea	590.00	0	0	1	66.00	0	3	2	292.00	1	1	9	213.00	1	0	1
Amphibalanus improvisus	573.00	0	0	0	3.00	0	0	0	570.00	0	0	0	0.00	0	0	0
Polypedilum sp.	517.00	0	0	1	4.00	4	0	1	481.00	10	0	0	0.00	12	4	0
Littoridinops sp.	503.00	0	0	0	0.00	0	0	1	30.00	0	0	0	298.00	12	9	153
Crepidula depressa	493.00	0	0	0	38.00	0	0	0	416.00	0	0	0	39.00	0	0	0
Paraprionospio sp.	469.00	0	0	0	46.00	0	0	1	422.00	0	0	0	0.00	0	0	0
Gammarida sp.	394.00	0	0	0	0.00	0	0	0	31.00	0	1	0	362.00	0	0	0
Mulinia lateralis	374.00	0	0	0	86.00	0	0	0	216.00	0	0	0	72.00	0	0	0
Hobsonia florida	363.00	0	0	0	22.00	0	0	0	289.00	0	0	0	52.00	0	0	0
Hourstonius laguna	362.00	0	0	0	18.00	0	0	0	325.00	0	0	0	19.00	0	0	0
Leitoscoloplos sp.	356.00	0	0	0	26.00	0	0	1	327.00	0	0	0	2.00	0	0	0
Crassostrea virginica	344.00	0	0	0	122.00	0	0	0	157.00	0	0	0	65.00	0	0	0
Arcuatula papyria	330.00	0	0	0	60.00	0	0	0	269.00	0	0	0	1.00	0	0	0
Melita elongata	322.00	0	0	0	214.00	0	0	0	107.00	0	0	0	1.00	0	0	0
Leptochelia sp.	307.00	0	0	0	36.00	0	0	0	25.00	0	0	0	246.00	0	0	0
Anthozoa sp.	303.00	0	0	0	0.00	0	0	0	83.00	0	0	0	220.00	0	0	0
Cyclaspis varians	302.00	0	0	0	165.00	0	2	33	41.00	0	0	0	52.00	0	0	9
Kurtiella planulata	301.00	1	0	0	53.00	0	0	0	234.00	0	0	0	13.00	0	0	0
Dicrotendipes sp.	284.00	0	0	0	0.00	160	5	0	8.00	58	34	4	9.00	0	5	1
Cryptochironomus sp.	276.00	0	0	6	1.00	29	58	20	131.00	6	2	0	0.00	4	0	19
Amphibalanus subalbidus	275.00	0	0	0	0.00	0	0	0	0.00	0	0	0	10.00	0	265	0
Actinaria	269.00	0	0	0	125.00	0	0	0	137.00	0	0	0	7.00	0	0	0
Dipolydora socialis	257.00	0	0	0	15.00	10	0	0	145.00	0	0	0	66.00	8	12	1
Leitoscoloplos foliosus	251.00	0	0	0	98.00	0	0	0	78.00	0	0	1	74.00	0	0	0
Opisthocystidae sp.	250.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	246	4	0
Paranais litoralis	246.00	0	0	0	0.00	0	0	0	11.00	3	0	0	232.00	0	0	0
Capitella sp. A of EPC	242.00	0	0	0	240.00	0	0	0	2.00	0	0	0	0.00	0	0	0
Amphibalanus eburneus	241.00	0	0	0	0.00	0	0	0	235.00	0	0	0	6.00	0	0	0

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Amygdalum papyrium	232.00	0	0	0	10.00	0	0	0	186.00	0	0	0	36.00	0	0	0
Alitta succinea	229.00	0	0	0	6.00	0	1	1	177.00	0	1	0	43.00	0	0	0
Paraprionospio yokoyamai	229.00	0	0	0	72.00	0	0	0	102.00	0	0	0	55.00	0	0	0
Procladius (Holotanypus) sp.	226.00	0	0	0	0.00	34	11	4	145.00	21	2	0	0.00	8	1	0
Tagelus plebeius	222.00	0	1	0	153.00	0	0	0	29.00	0	1	6	32.00	0	0	0
Schistomeringos cf. rudolphi	218.00	0	0	0	76.00	0	0	0	139.00	0	0	0	3.00	0	0	0
Abra aequalis	212.00	0	0	0	1.00	0	0	0	53.00	0	0	0	158.00	0	0	0
Capitella jonesi	197.00	0	0	0	1.00	0	0	0	51.00	0	0	0	145.00	0	0	0
Carazziella hobsonae	192.00	2	0	0	160.00	0	0	1	18.00	0	0	0	11.00	0	0	0
Dicrotendipes neomodestus	189.00	0	0	0	0.00	17	0	40	9.00	3	2	1	0.00	114	0	3
Vitrinella floridana	188.00	0	0	0	2.00	0	0	0	148.00	0	0	0	38.00	0	0	0
Panopeidae	185.00	1	0	0	7.00	0	2	3	76.00	0	18	3	35.00	24	14	2
Capitella sp.	179.00	0	0	0	37.00	0	0	0	142.00	0	0	0	0.00	0	0	0
Podarkeopsis levifusca	175.00	0	0	1	48.00	0	0	0	104.00	0	0	0	22.00	0	0	0
Uromunna reynoldsi	165.00	0	0	0	0.00	135	0	0	16.00	11	0	0	0.00	0	3	0
Polydora sp.	157.00	1	0	0	12.00	0	0	1	81.00	0	0	44	18.00	0	0	0
Polydora cornuta	152.00	0	0	0	2.00	0	0	0	11.00	0	0	0	91.00	0	14	34
Helobdella stagnalis	148.00	0	0	0	0.00	37	0	0	0.00	22	0	0	0.00	89	0	0
Thalassodrilides gurwitschi	140.00	0	0	0	11.00	0	62	9	54.00	4	0	0	0.00	0	0	0
Prionospio perkinsi	133.00	0	0	0	75.00	0	0	0	58.00	0	0	0	0.00	0	0	0
Bivalvia	132.00	0	0	0	22.00	0	0	0	4.00	0	0	0	0.00	97	7	2
Polymesoda caroliniana	127.00	0	0	0	6.00	0	0	2	80.00	0	0	1	38.00	0	0	0
Ablabesmyia rhamphe grp.	126.00	0	0	0	0.00	39	0	2	0.00	32	16	0	0.00	37	0	0
Palaeonemertea sp. A of EPC	120.00	0	0	0	35.00	0	0	0	51.00	0	0	0	34.00	0	0	0
Leodamas rubrus	111.00	0	0	0	58.00	0	0	0	44.00	0	0	0	9.00	0	0	0
Kirsteueriella cf. biocellata	108.00	0	0	0	76.00	1	0	0	31.00	0	0	0	0.00	0	0	0
Amphibalanus spp.	106.00	0	0	0	0.00	0	0	0	75.00	0	0	7	24.00	0	0	0
Acteocina canaliculata	105.00	0	0	0	11.00	0	0	0	32.00	0	0	0	62.00	0	0	0
Macoploma tenta	103.00	0	0	0	13.00	0	0	0	77.00	0	0	0	13.00	0	0	0
Dicrotendipes lobus	100.00	45	0	0	3.00	5	5	0	0.00	0	0	0	31.00	0	10	1
Parahesione luteola	100.00	0	0	0	6.00	0	0	0	88.00	0	0	0	6.00	0	0	0
Minuspio perkinsi	97.00	0	0	0	6.00	0	0	0	27.00	0	1	0	63.00	0	0	0
Bocardiella sp.	95.00	0	0	0	1.00	0	1	0	0.00	0	0	0	0.00	35	55	3
Eteone heteropoda	95.00	0	0	0	17.00	0	0	0	67.00	0	0	0	8.00	0	0	3
Aricidea (Acmira) philbinae	94.00	0	0	0	15.00	0	0	0	10.00	0	0	0	69.00	0	0	0
Sphenia fragilis	94.00	0	0	0	18.00	0	0	0	51.00	0	0	0	25.00	0	0	0
Nereiphylla castanea	92.00	0	0	0	9.00	0	0	0	83.00	0	0	0	0.00	0	0	0

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Hydroides sanctaecrucis	91.00	0	0	0	5.00	0	0	0	84.00	0	0	0	2.00	0	0	0
Apocorophium louisianum	85.00	0	0	0	3.00	0	0	0	52.00	0	0	0	30.00	0	0	0
Chironomidae	85.00	0	0	10	0.00	18	1	1	22.00	13	10	1	6.00	2	1	0
Tubificoides motei	85.00	0	0	0	22.00	0	0	0	63.00	0	0	0	0.00	0	0	0
Hargeria rapax	84.00	0	0	0	5.00	1	1	0	35.00	0	0	0	41.00	0	0	1
Heteromastus sp.	84.00	0	0	0	22.00	0	0	0	57.00	0	0	0	5.00	0	0	0
Ablabesmyia sp.	83.00	0	0	0	0.00	16	6	7	44.00	1	1	0	0.00	8	0	0
Chironomus decorus grp.	80.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	3	47	30
Procladius sp.	80.00	0	0	0	0.00	7	0	0	4.00	2	0	0	0.00	49	17	1
Brachyura sp.	78.00	0	0	0	0.00	6	0	33	39.00	0	0	0	0.00	0	0	0
Phyllodoce arenae	75.00	0	0	0	12.00	0	0	0	40.00	0	0	0	23.00	0	0	0
Scoloplos rubra	75.00	0	0	0	16.00	0	0	0	37.00	0	0	0	22.00	0	0	0
Sigambra tentaculata	74.00	0	0	0	26.00	0	0	0	30.00	0	0	0	18.00	0	0	0
Chaoborus sp.	73.00	0	0	0	0.00	1	4	2	6.00	20	35	2	3.00	0	0	0
Mediomastus sp.	73.00	0	0	0	28.00	0	0	0	45.00	0	0	0	0.00	0	0	0
Dipolydora/Boccardiella grp.	71.00	0	0	0	1.00	6	3	1	60.00	0	0	0	0.00	0	0	0
Aricidea sp.	70.00	0	0	0	0.00	0	0	0	2.00	0	0	0	68.00	0	0	0
Ampelisca sp.	69.00	0	0	0	2.00	0	1	0	12.00	0	0	0	54.00	0	0	0
Monocorophium acherusicum	69.00	0	0	0	2.00	0	0	0	3.00	0	0	0	64.00	0	0	0
Pristina (Pristinella) sima	69.00	0	0	0	0.00	69	0	0	0.00	0	0	0	0.00	0	0	0
Clitellata w/proboscis	67.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	67	0	0
Erpobdella punctata	66.00	0	0	0	5.00	1	6	2	34.00	0	1	0	17.00	0	0	0
Rissooidea sp. B of EPC	66.00	0	0	0	0.00	0	0	0	19.00	0	0	0	47.00	0	0	0
Cerapus sp. C of LeCroy, 2007	62.00	0	0	0	24.00	0	0	0	0.00	0	0	1	37.00	0	0	0
Boccardiella ligERICA	61.00	0	0	0	0.00	11	0	1	0.00	43	4	0	2.00	0	0	0
Pinnotheridae	59.00	0	0	0	43.00	0	0	0	14.00	0	0	0	2.00	0	0	0
Upogebia sp.	59.00	0	0	0	59.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Aulophorus flabelliger	58.00	0	0	0	0.00	0	0	0	58.00	0	0	0	0.00	0	0	0
Monopylephorus rubroniveus	58.00	39	0	0	0.00	0	0	0	0.00	0	2	0	13.00	0	4	0
Anopsilana jonesi	57.00	0	0	0	0.00	0	0	0	0.00	56	1	0	0.00	0	0	0
Mediomastus cf. ambiseta	57.00	0	0	0	6.00	0	0	0	31.00	0	0	0	17.00	0	1	2
Ficopomatus miamiensis	56.00	0	0	0	4.00	0	3	0	43.00	0	1	0	5.00	0	0	0
Gastropoda	56.00	0	0	0	4.00	0	2	2	10.00	3	1	0	13.00	7	4	10
Glycinde multident	55.00	0	3	0	17.00	0	0	0	27.00	0	0	0	8.00	0	0	0
Ameritella cf. mitchelli	54.00	0	0	0	0.00	0	0	0	54.00	0	0	0	0.00	0	0	0
Asheum beckae	52.00	1	0	0	0.00	8	4	13	16.00	9	0	0	0.00	1	0	0
Ficopomatus enigmaticus	50.00	0	0	0	0.00	0	0	0	5.00	0	0	0	3.00	0	12	30

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Hypereteone heteropoda	50.00	0	0	0	25.00	0	0	0	25.00	0	0	0	0.00	0	0	0
Ficopomatus sp.	49.00	0	0	0	0.00	0	3	0	38.00	0	0	3	5.00	0	0	0
Syllis gracilis	49.00	0	0	0	44.00	0	0	0	1.00	0	0	0	4.00	0	0	0
Piromis roberti	47.00	0	0	0	19.00	0	0	0	28.00	0	0	0	0.00	0	0	0
Amakusanthura magnifica	46.00	0	0	0	4.00	0	0	0	42.00	0	0	0	0.00	0	0	0
Arenicola cristata	46.00	0	0	0	40.00	0	0	0	0.00	0	0	0	6.00	0	0	0
Acromegalomma pigmentum	45.00	0	0	0	18.00	0	0	0	27.00	0	0	0	0.00	0	0	0
Paracaprella tenuis	44.00	0	0	0	12.00	0	0	0	6.00	0	0	0	26.00	0	0	0
Haminoea succinea	43.00	0	0	0	8.00	0	0	0	35.00	0	0	0	0.00	0	0	0
Gloiobdella elongata	42.00	0	0	0	0.00	2	0	0	0.00	40	0	0	0.00	0	0	0
Lumbrineris nonatoi	42.00	0	0	0	8.00	0	0	0	21.00	0	0	0	13.00	0	0	0
Xanthoidea	42.00	0	0	0	0.00	0	0	0	34.00	0	0	0	2.00	3	3	0
Tubificidae w/ hair	41.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	40	1	0
Boonea impressa	40.00	1	0	0	6.00	0	0	0	29.00	0	0	0	4.00	0	0	0
Goeldichironomus sp.	38.00	0	0	0	0.00	4	0	1	9.00	24	0	0	0.00	0	0	0
Cerebratulus lacteus	37.00	0	0	0	16.00	0	0	0	20.00	0	0	0	1.00	0	0	0
Ostrea equestris	37.00	0	0	0	0.00	0	0	0	37.00	0	0	0	0.00	0	0	0
Glycera americana	36.00	0	0	0	15.00	0	0	0	9.00	0	0	0	12.00	0	0	0
Tanypodinae	36.00	0	0	0	0.00	1	0	0	35.00	0	0	0	0.00	0	0	0
Ceratopogonide	34.00	1	0	0	0.00	5	11	0	5.00	11	0	0	1.00	0	0	0
Littoridinops monroensis	33.00	0	0	0	3.00	0	0	0	30.00	0	0	0	0.00	0	0	0
Pseudopotamilla fitzhughii	32.00	0	0	0	26.00	0	0	0	5.00	0	0	0	1.00	0	0	0
Hydroptila sp.	31.00	0	0	0	0.00	16	0	0	0.00	1	0	0	0.00	14	0	0
Sphaerium sp.	30.00	0	0	0	0.00	13	0	0	14.00	0	0	0	0.00	2	1	0
Tanytarsus sp. G of Epler, 2001	30.00	0	0	0	0.00	5	4	0	11.00	0	10	0	0.00	0	0	0
Boccardiella cf. hamata	29.00	0	0	0	14.00	0	0	0	15.00	0	0	0	0.00	0	0	0
Branchiomma sp.	28.00	0	0	0	15.00	0	0	0	13.00	0	0	0	0.00	0	0	0
Mediomastus cf. californiensis	26.00	0	0	0	18.00	0	0	0	8.00	0	0	0	0.00	0	0	0
Sigambra bassi	26.00	0	0	0	9.00	0	0	0	8.00	0	0	0	9.00	0	0	0
Neanthes micromma	25.00	0	0	0	23.00	0	0	0	0.00	0	0	0	2.00	0	0	0
Serpula sp.	25.00	0	0	0	0.00	0	0	0	25.00	0	0	0	0.00	0	0	0
Spionidae	25.00	0	0	0	1.00	0	0	0	10.00	12	0	0	2.00	0	0	0
Tanytarsus sp.	25.00	0	0	0	0.00	11	0	0	2.00	0	0	0	1.00	11	0	0
Nereis sp. A	24.00	0	0	0	0.00	0	0	0	2.00	0	4	0	18.00	0	0	0
Glottidia pyramidata	23.00	0	0	0	14.00	0	0	1	3.00	0	0	0	5.00	0	0	0
Ameritella cf. versicolor	22.00	0	0	0	17.00	0	0	0	5.00	0	0	0	0.00	0	0	0
Hyalella sp.	22.00	0	0	0	0.00	0	0	0	1.00	18	1	1	0.00	1	0	0

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Membranipora cf. arborescens	22.00	0	0	0	0.00	0	0	0	11.00	0	0	0	11.00	0	0	0
Hydroides dianthus	21.00	0	0	0	9.00	0	0	0	6.00	0	0	0	6.00	0	0	0
Pristina sp.	21.00	0	0	0	0.00	5	0	0	0.00	2	0	0	0.00	14	0	0
Sphaeroma terebrans	21.00	0	0	0	0.00	0	8	1	0.00	11	0	0	0.00	1	0	0
Melita longisetosa	20.00	0	0	0	0.00	0	0	0	20.00	0	0	0	0.00	0	0	0
Pectinaria gouldii	20.00	0	0	0	1.00	0	0	0	15.00	0	0	0	4.00	0	0	0
Phrontis vibex	20.00	0	0	0	7.00	0	0	0	12.00	0	0	0	1.00	0	0	0
Cirratulidae	19.00	0	0	0	18.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Dicortendipes modestus	19.00	0	0	0	0.00	0	0	0	0.00	0	0	0	13.00	6	0	0
Idoteidae	19.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	19	0	0
Kelliopsis cf. texasiana	19.00	0	0	0	0.00	0	0	0	19.00	0	0	0	0.00	0	0	0
Stylochus ellipticus	19.00	0	0	0	2.00	0	0	0	17.00	0	0	0	0.00	0	0	0
Caryocorbula cf. contracta	18.00	0	0	0	12.00	0	0	0	6.00	0	0	0	0.00	0	0	0
Ficopomatus uschakovi	18.00	0	0	0	1.00	0	0	0	14.00	0	0	0	3.00	0	0	0
Hyalella sp. C	18.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	18	0	0
Tarebia granifera	18.00	0	0	0	0.00	0	0	0	0.00	5	10	0	0.00	2	1	0
Oecetis sp.	17.00	0	0	0	0.00	4	5	1	3.00	3	0	0	0.00	1	0	0
Cyrenoida floridana	16.00	0	0	0	0.00	0	3	0	0.00	0	0	0	13.00	0	0	0
Stenochironomus sp.	16.00	0	0	0	0.00	0	0	0	7.00	8	0	0	0.00	1	0	0
Amphibalanus venustus	15.00	0	0	0	0.00	0	0	0	2.00	8	0	0	5.00	0	0	0
Djalmabatista pulcher variant	15.00	0	0	0	0.00	0	0	1	14.00	0	0	0	0.00	0	0	0
Nereis pelagica occidentalis	15.00	0	0	0	0.00	0	0	0	0.00	0	0	0	15.00	0	0	0
Pinnixa sp.	15.00	0	0	0	12.00	0	0	0	1.00	0	0	0	2.00	0	0	0
Spiochaetopterus oculatus	15.00	0	0	0	0.00	0	0	0	14.00	0	0	0	1.00	0	0	0
Thalassodrilides ineri	15.00	0	0	0	5.00	0	0	0	10.00	0	0	0	0.00	0	0	0
Trichoptera	15.00	0	0	0	0.00	0	13	1	1.00	0	0	0	0.00	0	0	0
Astyrus lunata	14.00	0	0	0	1.00	0	1	0	2.00	0	0	0	10.00	0	0	0
Bhawania heteroseta	14.00	0	0	0	14.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Dero nivea	14.00	0	0	0	0.00	3	1	0	10.00	0	0	0	0.00	0	0	0
Gammarus mucronatus	14.00	0	0	0	1.00	3	0	0	9.00	0	0	0	1.00	0	0	0
Limnodriloidinae	14.00	0	0	0	14.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Parasabella sp.	14.00	0	0	0	1.00	0	0	0	13.00	0	0	0	0.00	0	0	0
Tagelus divisus	14.00	0	0	0	9.00	0	0	0	1.00	0	0	0	4.00	0	0	0
Alpheus sp.	13.00	0	0	0	4.00	0	0	0	9.00	0	0	0	0.00	0	0	0
Ampelisca vadorum	13.00	0	0	0	7.00	0	0	0	6.00	0	0	0	0.00	0	0	0
Bezzia/Palpomyia grp.	13.00	0	0	0	0.00	2	1	0	0.00	0	0	0	0.00	7	2	1
Diopatra cuprea	13.00	0	0	0	2.00	0	0	0	5.00	0	0	0	6.00	0	0	0

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Melita sp.	13.00	0	0	0	0.00	0	0	0	13.00	0	0	0	0.00	0	0	0
Oxydromus obscurus	13.00	0	0	0	4.00	0	0	0	7.00	0	0	0	2.00	0	0	0
Palaeonemertea	13.00	0	0	0	3.00	0	0	0	10.00	0	0	0	0.00	0	0	0
Hemipholis cordifera	12.00	0	0	0	3.00	0	0	0	9.00	0	0	0	0.00	0	0	0
Teinostoma biscaynense	12.00	0	0	0	1.00	0	0	0	7.00	0	0	0	4.00	0	0	0
Tubulanus pellucidus	12.00	0	0	0	5.00	1	0	0	6.00	0	0	0	0.00	0	0	0
Cirolana parva	11.00	0	0	0	0.00	7	2	0	2.00	0	0	0	0.00	0	0	0
Streblosoma hartmanae	11.00	0	0	0	11.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Tellinidae	11.00	0	0	0	5.00	0	0	0	5.00	0	0	0	1.00	0	0	0
Ancylidae	10.00	0	0	0	0.00	1	0	0	0.00	0	0	0	0.00	9	0	0
Djalmabatista sp.	10.00	0	0	0	0.00	0	0	2	8.00	0	0	0	0.00	0	0	0
Enchytraeidae	10.00	0	0	0	0.00	1	1	0	0.00	1	0	0	6.00	0	1	0
Eurypanopeus dissimilis	10.00	0	0	0	0.00	0	0	0	10.00	0	0	0	0.00	0	0	0
Helobdella elongata	10.00	0	0	0	0.00	2	0	0	0.00	0	0	0	0.00	8	0	0
Marphysa sp. A of EPC	10.00	0	0	0	5.00	0	0	0	3.00	0	0	0	2.00	0	0	0
Phoronis sp.	10.00	0	0	0	6.00	0	0	0	3.00	0	0	0	1.00	0	0	0
Platyhelminthes	10.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	8	2
Austromacoma constricta	9.00	0	0	0	4.00	0	0	0	5.00	0	0	0	0.00	0	0	0
Helobdella papillata	9.00	0	0	0	0.00	7	0	0	0.00	0	0	0	0.00	2	0	0
Lyonsia floridana	9.00	0	0	0	9.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Mysidae	9.00	0	0	0	2.00	3	0	3	0.00	0	0	0	0.00	0	1	0
Odostomiinae	9.00	0	0	0	0.00	0	1	0	8.00	0	0	0	0.00	0	0	0
Parachironomus sp.	9.00	1	0	0	0.00	2	0	0	0.00	6	0	0	0.00	0	0	0
Parachironomus tenuicaudatus	9.00	0	0	0	0.00	0	0	0	0.00	9	0	0	0.00	0	0	0
Polypedilum beckae	9.00	0	0	0	0.00	9	0	0	0.00	0	0	0	0.00	0	0	0
Sabellidae	9.00	0	0	0	5.00	0	0	0	4.00	0	0	0	0.00	0	0	0
Aphylla williamsoni	8.00	0	0	0	0.00	0	0	0	1.00	2	3	0	0.00	2	0	0
Balanidae	8.00	0	0	0	0.00	0	0	0	8.00	0	0	0	0.00	0	0	0
Diadumene cf. lineata	8.00	0	0	0	0.00	0	0	0	8.00	0	0	0	0.00	0	0	0
Libellulidae	8.00	0	0	0	0.00	3	1	0	2.00	1	0	0	0.00	1	0	0
Odontosyllis enopla	8.00	0	0	0	0.00	0	0	0	8.00	0	0	0	0.00	0	0	0
Oxyurostylis smithi	8.00	0	0	0	4.00	0	0	0	3.00	0	1	0	0.00	0	0	0
Prionospio heterobranchia	8.00	0	0	0	6.00	0	0	0	1.00	0	0	0	1.00	0	0	0
Anadara transversa	7.00	0	0	0	5.00	0	0	0	1.00	0	0	0	1.00	0	0	0
Cirripedia	7.00	0	0	0	5.00	0	0	0	2.00	0	0	0	0.00	0	0	0
Clymenella torquata	7.00	0	0	0	0.00	0	0	0	7.00	0	0	0	0.00	0	0	0
Collembola	7.00	0	0	0	0.00	1	0	1	1.00	0	0	0	1.00	1	0	2

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Cyclostremiscus pentagonus	7.00	0	0	0	0.00	0	0	0	0.00	0	0	0	7.00	0	0	0
Dero pectinata	7.00	0	0	0	0.00	0	0	0	0.00	7	0	0	0.00	0	0	0
Dicrotendipes nervosus	7.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	7	0	0
Enteropneusta	7.00	0	0	0	7.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Euplana gracilis	7.00	0	0	0	0.00	2	0	0	5.00	0	0	0	0.00	0	0	0
Fragilonemertes rosea	7.00	0	0	0	0.00	0	0	0	7.00	0	0	0	0.00	0	0	0
Haminoea antillarum	7.00	0	0	0	0.00	0	0	0	7.00	0	0	0	0.00	0	0	0
Hyalella sp. A	7.00	7	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Hydroides sp.	7.00	0	0	0	7.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Magelona pettiboneae	7.00	0	0	0	2.00	0	0	0	3.00	0	0	0	2.00	0	0	0
Nais variabilis	7.00	0	0	0	0.00	0	0	0	7.00	0	0	0	0.00	0	0	0
Oecetis inconspicua complex	7.00	0	0	0	0.00	0	3	1	0.00	0	0	0	0.00	3	0	0
Paralauterborniella nigrohalteralis	7.00	0	0	0	0.00	5	0	0	2.00	0	0	0	0.00	0	0	0
Pisidium sp.	7.00	0	0	0	0.00	0	0	0	0.00	7	0	0	0.00	0	0	0
Scolecipis texana	7.00	0	0	0	0.00	0	0	0	5.00	0	0	0	2.00	0	0	0
Tanytarsus sp. G	7.00	0	0	0	0.00	6	0	0	0.00	1	0	0	0.00	0	0	0
Tubificoides/Tectidrilus with papillae	7.00	0	0	0	0.00	0	0	0	7.00	0	0	0	0.00	0	0	0
Turbonilla cf. arnoldoi	7.00	0	0	0	0.00	0	0	0	7.00	0	0	0	0.00	0	0	0
Alpheus armillatus	6.00	0	0	0	3.00	0	0	0	2.00	0	0	0	1.00	0	0	0
Americamysis almyra	6.00	0	0	0	2.00	0	0	0	1.00	0	0	0	0.00	2	0	1
Ampelisca sp. C of LeCroy, 2002	6.00	0	0	0	6.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Brania nitidula	6.00	0	0	0	4.00	0	0	0	2.00	0	0	0	0.00	0	0	0
Caenis sp.	6.00	0	0	0	0.00	0	3	0	2.00	0	0	0	0.00	1	0	0
Cladopelma sp.	6.00	0	0	0	0.00	1	2	0	0.00	0	0	0	0.00	2	1	0
Dero sp.	6.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	6	0	0
Ephemeroptera	6.00	0	0	0	0.00	3	0	0	1.00	1	0	1	0.00	0	0	0
Eunicidae	6.00	0	0	0	6.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Melanoides sp.	6.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	4	2	0
Nereididae	6.00	0	0	1	5.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Oecetis nocturna	6.00	0	0	0	0.00	0	0	0	0.00	5	1	0	0.00	0	0	0
Onobops sp.	6.00	6	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Parachironomus directus	6.00	0	0	0	0.00	0	0	0	0.00	6	0	0	0.00	0	0	0
Pyrgophorus tuberculatus	6.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	6	0
Serpulidae	6.00	0	0	0	1.00	0	0	0	5.00	0	0	0	0.00	0	0	0
Zygonemertes virescens	6.00	0	0	0	3.00	0	0	0	3.00	0	0	0	0.00	0	0	0
Americamysis stucki	5.00	0	0	0	0.00	1	0	0	3.00	0	0	0	1.00	0	0	0
Caenis diminuta	5.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	5	0	0

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Chaoborus punctipennis	5.00	0	0	0	4.00	0	0	0	0.00	1	0	0	0.00	0	0	0
Cotonopsis lafresnayi	5.00	0	0	0	5.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Cricotopus bicinctus	5.00	0	0	0	0.00	2	2	0	0.00	0	0	0	0.00	1	0	0
Cyrnellus fraternus	5.00	0	0	0	0.00	1	0	1	0.00	1	0	0	0.00	2	0	0
Enallagma sp.	5.00	0	0	0	0.00	2	0	0	0.00	2	0	0	0.00	1	0	0
Enoplobranchus sanguineus	5.00	0	0	0	5.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Euhirudinea sp.	5.00	0	0	0	0.00	0	0	0	0.00	3	1	0	1.00	0	0	0
Ischadium recurvum	5.00	0	0	0	0.00	0	1	0	4.00	0	0	0	0.00	0	0	0
Japonactaeon punctostriatus	5.00	0	0	0	1.00	0	0	0	4.00	0	0	0	0.00	0	0	0
Larsia sp.	5.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	5	0	0
Melongena corona	5.00	0	0	0	2.00	0	0	0	3.00	0	0	0	0.00	0	0	0
Nais communis sp. complex	5.00	0	0	0	0.00	3	0	0	2.00	0	0	0	0.00	0	0	0
Parasabella microphthalma	5.00	0	0	0	2.00	0	0	0	3.00	0	0	0	0.00	0	0	0
Parvanachis obesa	5.00	0	0	0	0.00	0	0	0	4.00	0	0	0	1.00	0	0	0
Syllis cf. maryae	5.00	0	0	0	0.00	0	0	0	5.00	0	0	0	0.00	0	0	0
Turbellaria	5.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	4	1	0
Turbonilla hemphilli	5.00	0	0	0	0.00	0	0	0	4.00	0	0	0	1.00	0	0	0
Conopeum cf. seurati	4.28	0	0	0	0.00	0	0	0	3.12	0	0	0	1.16	0	0	0
Ambidexter symmetricus	4.00	0	0	0	4.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Amphinomidae	4.00	0	0	0	3.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Asthenothaerus hemphilli	4.00	0	0	0	0.00	0	0	0	2.00	0	0	0	2.00	0	0	0
Culicoides sp.	4.00	0	0	0	0.00	4	0	0	0.00	0	0	0	0.00	0	0	0
Cyclostremiscus suppressus	4.00	0	0	0	4.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Decapoda	4.00	0	0	0	3.00	0	0	0	0.00	0	0	0	1.00	0	0	0
Eupleura caudata	4.00	0	0	0	0.00	0	0	0	2.00	0	0	0	2.00	0	0	0
Gammarus sp.	4.00	0	0	0	0.00	0	0	0	0.00	0	0	1	3.00	0	0	0
Hydra sp.	4.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	1	1	2
Hydroides protulicola	4.00	0	0	0	0.00	0	0	0	4.00	0	0	0	0.00	0	0	0
Leptoceridae	4.00	0	0	0	0.00	2	0	1	0.00	0	0	0	0.00	1	0	0
Libellula sp.	4.00	0	0	0	0.00	4	0	0	0.00	0	0	0	0.00	0	0	0
Neogypsis crypta	4.00	0	0	0	3.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Ophiuroidea	4.00	0	0	0	3.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Paraonidae	4.00	0	0	0	0.00	0	0	0	4.00	0	0	0	0.00	0	0	0
Peltodytes sp.	4.00	0	0	0	0.00	0	0	0	0.00	4	0	0	0.00	0	0	0
Rudilemboides naglei	4.00	0	0	0	3.00	0	0	1	0.00	0	0	0	0.00	0	0	0
Ablabesmyia mallochi	3.00	0	0	0	0.00	2	0	1	0.00	0	0	0	0.00	0	0	0
Cerithiopsis sp.	3.00	0	0	0	3.00	0	0	0	0.00	0	0	0	0.00	0	0	0

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Cirriformia sp.	3.00	0	0	0	3.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Coelotanypus sp.	3.00	0	0	0	0.00	0	0	0	3.00	0	0	0	0.00	0	0	0
Cryptotendipes sp.	3.00	0	0	0	0.00	0	0	0	0.00	1	2	0	0.00	0	0	0
Eudendrium sp.	3.00	0	0	0	0.00	0	0	0	0.00	1	1	0	1.00	0	0	0
Exogone dispar	3.00	0	0	0	2.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Hebetancylus excentricus	3.00	2	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Kinbergonuphis simoni	3.00	0	0	0	0.00	0	0	0	3.00	0	0	0	0.00	0	0	0
Mytilidae	3.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	1	1
Nereis lamellosa	3.00	0	0	0	3.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Orchestia sp.	3.00	0	0	0	0.00	0	1	0	0.00	0	0	0	0.00	2	0	0
Oxyurostylis lecroyae	3.00	0	0	0	0.00	0	0	0	1.00	0	0	0	2.00	0	0	0
Pisidium punctiferum	3.00	0	0	0	0.00	0	3	0	0.00	0	0	0	0.00	0	0	0
Planorbella scalaris	3.00	0	0	0	0.00	3	0	0	0.00	0	0	0	0.00	0	0	0
Pristina (Pristina) proboscidea	3.00	0	0	0	0.00	1	0	0	0.00	0	0	0	2.00	0	0	0
Pristina (Pristinella) sp.	3.00	0	0	0	0.00	0	2	0	1.00	0	0	0	0.00	0	0	0
Prosobranchia sp.	3.00	0	0	0	0.00	0	0	0	0.00	0	0	0	3.00	0	0	0
Pseudochironomus sp.	3.00	0	0	0	0.00	3	0	0	0.00	0	0	0	0.00	0	0	0
Sayella hemphillii	3.00	0	0	0	3.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Sinelobus stanfordi	3.00	0	0	0	0.00	0	0	0	2.00	0	0	0	0.00	0	0	1
Syllis sp.	3.00	0	0	0	3.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Tagelus sp.	3.00	0	0	0	0.00	0	0	0	3.00	0	0	0	0.00	0	0	0
Tectonatica pusilla	3.00	0	0	0	1.00	0	0	0	1.00	0	0	0	1.00	0	0	0
Tryonia aequicostata	3.00	0	0	0	3.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Xenanthura brevitelson	3.00	0	0	0	0.00	0	0	0	3.00	0	0	0	0.00	0	0	0
Ablabesmyia (Karelia) sp.	2.00	0	0	0	0.00	0	0	0	2.00	0	0	0	0.00	0	0	0
Aglaophamus verrilli	2.00	0	0	0	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Anthoathecata sp.	2.00	0	0	0	0.00	0	0	0	0.00	0	0	0	2.00	0	0	0
Arhynchobdellida sp.	2.00	0	0	0	0.00	0	0	0	0.00	2	0	0	0.00	0	0	0
Bodotriidae sp.	2.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	2
Branchiostoma floridae	2.00	0	0	0	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Bratislava unidentata	2.00	0	0	0	0.00	0	0	0	0.00	2	0	0	0.00	0	0	0
Callibaetis sp.	2.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	2	0	0
Calyptraeidae	2.00	0	0	0	2.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Chaetognatha	2.00	0	0	0	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Cladotanytarsus sp.	2.00	0	0	0	0.00	1	0	0	0.00	0	0	0	0.00	1	0	0
Coenagrionidae	2.00	0	0	0	0.00	1	0	0	0.00	1	0	0	0.00	0	0	0
Corophiidae	2.00	0	0	0	0.00	0	0	0	2.00	0	0	0	0.00	0	0	0

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Daphnia sp.	2.00	0	0	0	0.00	0	2	0	0.00	0	0	0	0.00	0	0	0
Dasyhelea sp.	2.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	1
Dero obtusa	2.00	0	0	0	0.00	0	2	0	0.00	0	0	0	0.00	0	0	0
Dicrotendipes simpsoni	2.00	0	0	0	0.00	0	0	2	0.00	0	0	0	0.00	0	0	0
Djalmabatista pulcher	2.00	0	0	0	1.00	1	0	0	0.00	0	0	0	0.00	0	0	0
Ensis megistus coseli	2.00	0	0	0	0.00	0	0	0	2.00	0	0	0	0.00	0	0	0
Exosphaeroma diminutum	2.00	2	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Goeldichironomus carus	2.00	0	0	0	0.00	2	0	0	0.00	0	0	0	0.00	0	0	0
Hirudinea	2.00	0	0	0	0.00	1	0	0	0.00	0	0	0	0.00	1	0	0
Hydroptilidae	2.00	0	0	0	0.00	1	0	0	0.00	0	1	0	0.00	0	0	0
Labrundinia pilosella	2.00	0	0	0	0.00	0	0	0	2.00	0	0	0	0.00	0	0	0
Naidinae sp. A of EPC	2.00	0	0	0	0.00	2	0	0	0.00	0	0	0	0.00	0	0	0
Neureclipsis sp.	2.00	0	0	0	0.00	2	0	0	0.00	0	0	0	0.00	0	0	0
Odonata	2.00	0	0	0	0.00	0	1	0	1.00	0	0	0	0.00	0	0	0
Orobitella floridana	2.00	0	0	0	0.00	0	0	0	2.00	0	0	0	0.00	0	0	0
Parachironomus carinatus	2.00	0	0	0	0.00	0	0	0	0.00	2	0	0	0.00	0	0	0
Parachironomus frequens	2.00	0	0	0	0.00	0	0	0	0.00	0	2	0	0.00	0	0	0
Pileolaria sp.	2.00	0	0	0	0.00	0	0	0	2.00	0	0	0	0.00	0	0	0
Polycirrus sp.	2.00	0	0	0	2.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Polydora socialis	2.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	2	0	0
Sphaerosyllis taylori	2.00	0	0	0	0.00	0	0	0	0.00	0	0	0	2.00	0	0	0
Styelidae	2.00	0	0	0	2.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Syllis cf. beneliahuae	2.00	0	0	0	2.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Tanypus sp.	2.00	0	0	0	0.00	0	0	2	0.00	0	0	0	0.00	0	0	0
Tanytarsus sp. K	2.00	0	0	0	0.00	2	0	0	0.00	0	0	0	0.00	0	0	0
Terebella cf. verrilli	2.00	0	0	0	2.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Tricladida	2.00	0	0	0	2.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Turbonilla cf. conradi	2.00	0	0	0	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0
Hydrozoa	1.08	0	0	0	0.00	0	0	0	0.08	1	0	0	0.00	0	0	0
Bryozoa	1.04	0	0	0	0.04	0	0	0	0.00	0	0	0	0.00	0	0	1
Acteocina sp.	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Aeolidioidea	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Amphibalanus cf. amphitrite	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Amphicteis floridus	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	1
Ancistrosyllis jonesi	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Anoplodactylus sp.	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Anthopleura sp.	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0

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Aoridae sp.	1.00	0	0	0	0.00	0	0	0	0.00	1	0	0	0.00	0	0	0
Apedilum sp.	1.00	0	0	0	0.00	0	0	0	0.00	1	0	0	0.00	0	0	0
Argia	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	1	0	0
Asciacea	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Berosus sp.	1.00	0	0	0	0.00	1	0	0	0.00	0	0	0	0.00	0	0	0
Branchiobdellidae	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	1	0	0
Cabira incerta	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Caecum pulchellum	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Callianasside	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Caryocorbula swiftiana	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Ceriantharia	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Ceriodaphnia sp.	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	1	0
Cerithiopsis fusiformis	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Cirolana	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	1	0	0
Cirolana cf. jonesi	1.00	0	0	0	0.00	0	0	0	0.00	1	0	0	0.00	0	0	0
Cirriformia sp. A of Wolf, 1984	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Cladotanytarsus sp. F	1.00	0	0	0	0.00	0	0	0	0.00	1	0	0	0.00	0	0	0
Clinotanytus sp.	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	1	0	0
Clymenella mucosa	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Cnidaria (LPIL)	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	1
Crassinella lunulata	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Crustipellis tribranchiata	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Cyclaspis sp. C of Rakocinski et al, 1996	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Cyprideis littoralis	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	1
Diptera	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	1	0	0
Dubiraphia sp.	1.00	0	0	0	0.00	0	0	0	0.00	0	0	1	0.00	0	0	0
Dubiraphia vittata	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	1	0	0
Edotia montosa	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	1	0	0
Enallagma coecum	1.00	0	0	0	0.00	1	0	0	0.00	0	0	0	0.00	0	0	0
Entomobryidae	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Eupleura tampaensis	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Fabricinuda trilobata	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Fargoa cf. gibbosa	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Ferrissia cf. hendersoni	1.00	0	0	0	0.00	0	1	0	0.00	0	0	0	0.00	0	0	0
Gammaridea	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Glossiphoniidae sp.	1.00	0	0	0	0.00	0	0	0	0.00	1	0	0	0.00	0	0	0
Haloclava cf. producta	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0

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Heteronemertea	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Holothuroidea	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Hoplonemertea	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Hydroides sp. A of EPC	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Idunella barnardi	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Isopoda	1.00	0	0	0	0.00	0	0	0	0.00	1	0	0	0.00	0	0	0
Lasaeidae	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Libellula incesa	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	1	0	0
Limulus polyphemus	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Lysilla sp.	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Maldane cf. sarsi	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Maldanidae	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Marphysa sp. B of EPC	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Melanoides turriculus	1.00	0	0	0	0.00	1	0	0	0.00	0	0	0	0.00	0	0	0
Mercenaria sp.	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Microphiopholis atra	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Nanocladus sp.	1.00	0	0	0	0.00	0	0	1	0.00	0	0	0	0.00	0	0	0
Neanthes sp. A of EPC	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Neanthes succinea	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	1	0
Neoamphitrite cf. sp. A of Kritzler, 1984	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Nephtys cryptomma	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0	1.00	0	0	0
Notomastus hemipodus	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Odostomia laevigata	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Oecetis inconspicua	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	1	0	0
Oecetis sp. A of Epler, 2001	1.00	0	0	0	0.00	1	0	0	0.00	0	0	0	0.00	0	0	0
Onuphidae sp.	1.00	0	0	0	0.00	0	0	0	0.00	0	0	1	0.00	0	0	0
Ophiophragmus filigraneus	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Orbiniidae	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Oribatida	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	1
Palaemonetes pugio	1.00	0	0	0	0.00	1	0	0	0.00	0	0	0	0.00	0	0	0
Paradialychone uebelacker	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Paranais sp.	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	1	0	0
Paranaitis gardineri	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Parastarte triquetra	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Pentamera cf. pulcherrima	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Petrolisthes armatus	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Phascolion (Lesenka) cryptum	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0

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Pinnixa sp. A of LeCroy, unpublished key,Perdido,FL	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Pinnixulala retinens	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Pista palmata	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Pista sp. A of EPC	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Placobdella ornata	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	1
Polycirrus sp. C of EPC	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Polycladida sp.	1.00	0	0	0	0.00	0	0	0	0.00	1	0	0	0.00	0	0	0
Polypedilum illinoense grp.	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0	1.00	0	0	0
Pristina (Pristinella) cf. osborni	1.00	0	0	0	0.00	1	0	0	0.00	0	0	0	0.00	0	0	0
Pristina leidyi	1.00	0	0	0	0.00	0	0	0	0.00	1	0	0	0.00	0	0	0
Probezzia sp.	1.00	0	0	0	0.00	0	1	0	0.00	0	0	0	0.00	0	0	0
Procladius bellus var.1 Epler	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	1	0
Prostoma sp.	1.00	1	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Psychodidae	1.00	0	0	0	0.00	0	0	0	0.00	0	0	1	0.00	0	0	0
Rathbunixa cf. pearsei	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Rhabditophora sp.	1.00	0	0	0	0.00	0	1	0	0.00	0	0	0	0.00	0	0	0
Rissooidea	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Sabellaria sp. A of Uebelacker, 1984	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Sessilia sp.	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0	1.00	0	0	0
Sparganophilus sp.	1.00	0	0	0	0.00	0	1	0	0.00	0	0	0	0.00	0	0	0
Sphaeroma quadridentatum	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Sphaerosyllis glandulata	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Sphaerosyllis sp.	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	1
Stenelmis sp.	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	1	0	0
Syllis sp. A of EPC	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Teinostoma sp.	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Tergipedidae	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Tetrastemma candidum	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Tubificoides sp.	1.00	0	0	0	0.00	0	0	0	1.00	0	0	0	0.00	0	0	0
Turbonilla (Pyrgiscus) sp. A of EPC	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Turbonilla (Pyrgiscus) sp. B of EPC	1.00	0	0	0	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0
Vesciculariidae	1.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	1	0
Zygoptera	1.00	0	0	0	0.00	0	0	0	0.00	1	0	0	0.00	0	0	0
Cheilostomatida	0.28	0	0	0	0.00	0	0	0	0.28	0	0	0	0.00	0	0	0
Biflustra arborescens	0.16	0	0	0	0.00	0	0	0	0.12	0	0	0	0.04	0	0	0
Campanulariidae	0.16	0	0	0	0.04	0	0	0	0.12	0	0	0	0.00	0	0	0

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Hippoporina indica	0.12	0	0	0	0.00	0	0	0	0.08	0	0	0	0.04	0	0	0
Cliona sp.	0.08	0	0	0	0.04	0	0	0	0.04	0	0	0	0.00	0	0	0
Aeoverrillia sp.	0.04	0	0	0	0.00	0	0	0	0.00	0	0	0	0.04	0	0	0
Campanulariidae sp. A of EPC	0.04	0	0	0	0.00	0	0	0	0.00	0	0	0	0.04	0	0	0
Membranipora sp.	0.04	0	0	0	0.00	0	0	0	0.04	0	0	0	0.00	0	0	0
Schizoporella sp.	0.04	0	0	0	0.04	0	0	0	0.00	0	0	0	0.00	0	0	0

4.1.1.3 Total Abundance over river segments by MFL period.

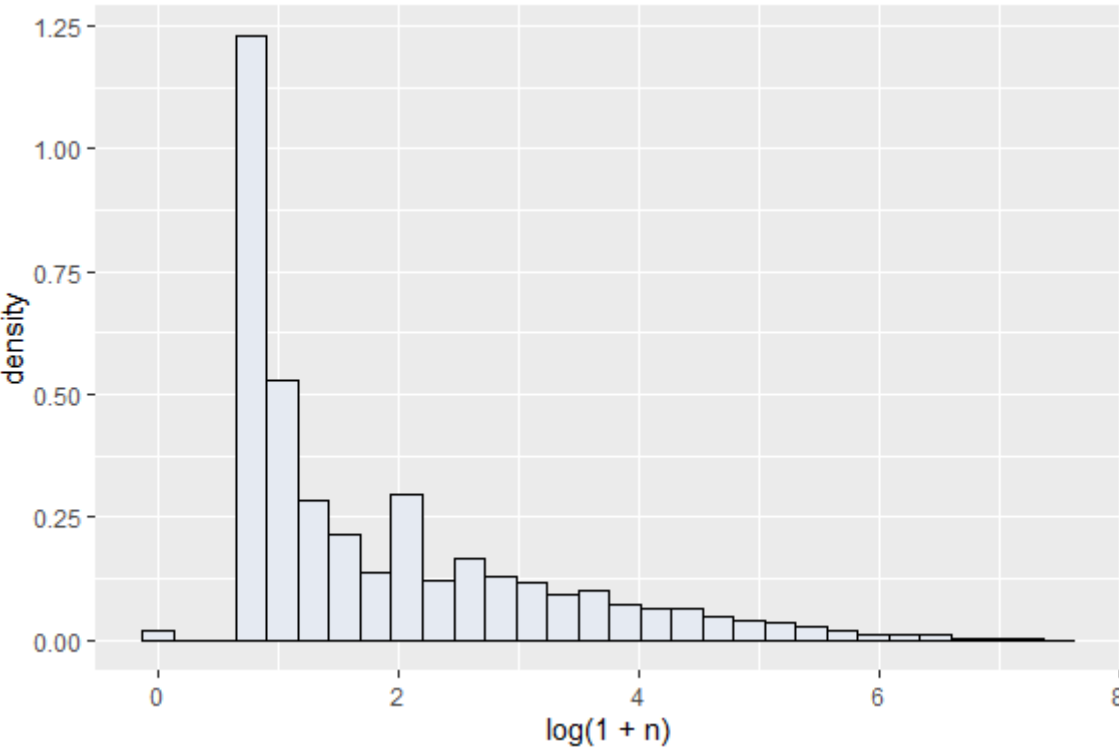
River Segment	Period 1	Period 2	Period 3	Period 5	total
Upper	1127	7594	4110	4336	17167
Middle	630	7525	2595	3498	14248
Lower	412	4971	3060	2710	11153
Downstream	23067	66844	40633	NA	130544

4.1.1.4 Total Abundance of MFL period by River segment.

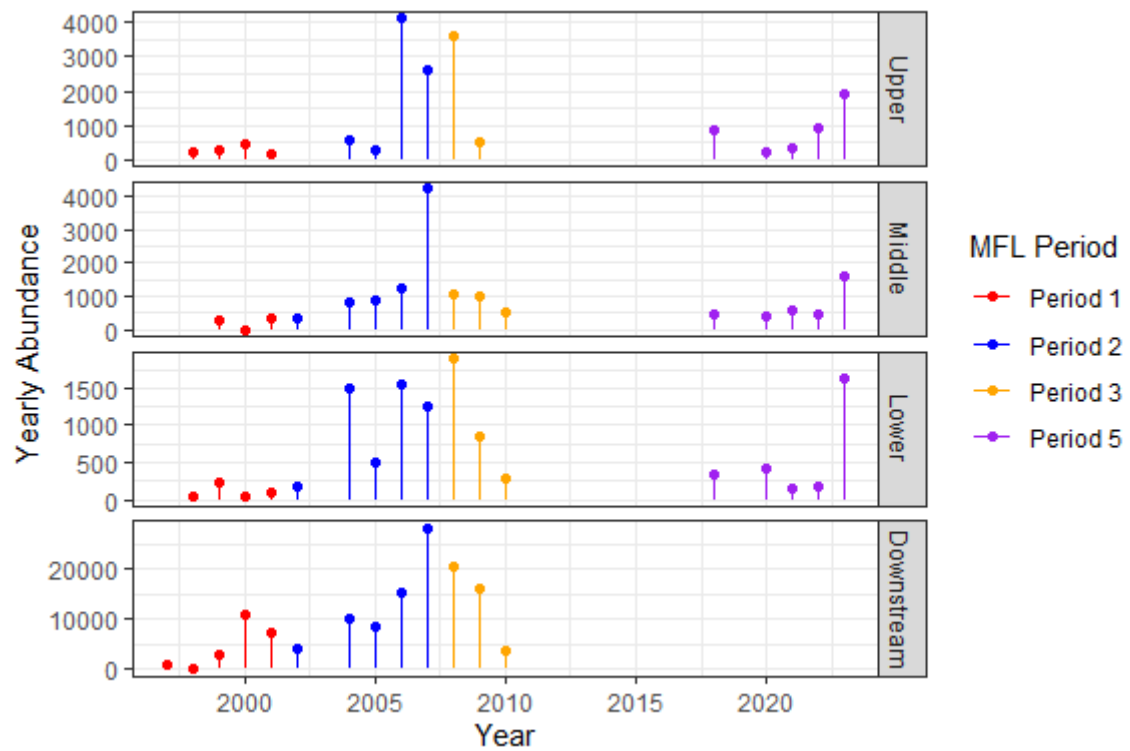
MFL Period	Lower	Middle	Upper	Downstream	total
Period 1	412	630	1127	23067	2169
Period 2	4971	7525	7594	66844	20090
Period 3	3060	2595	4110	40633	9765
Period 5	2710	3498	4336	NA	10544

4.1.2 FIGURES

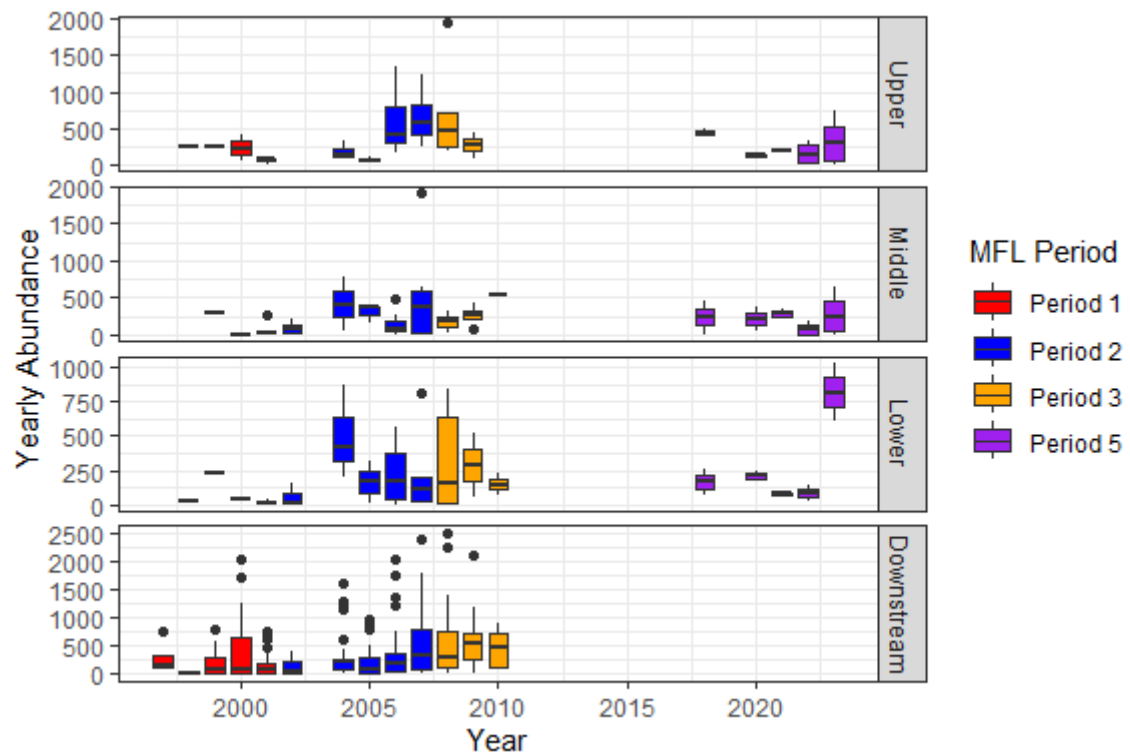
4.1.2.1 Histogram of species abundance.



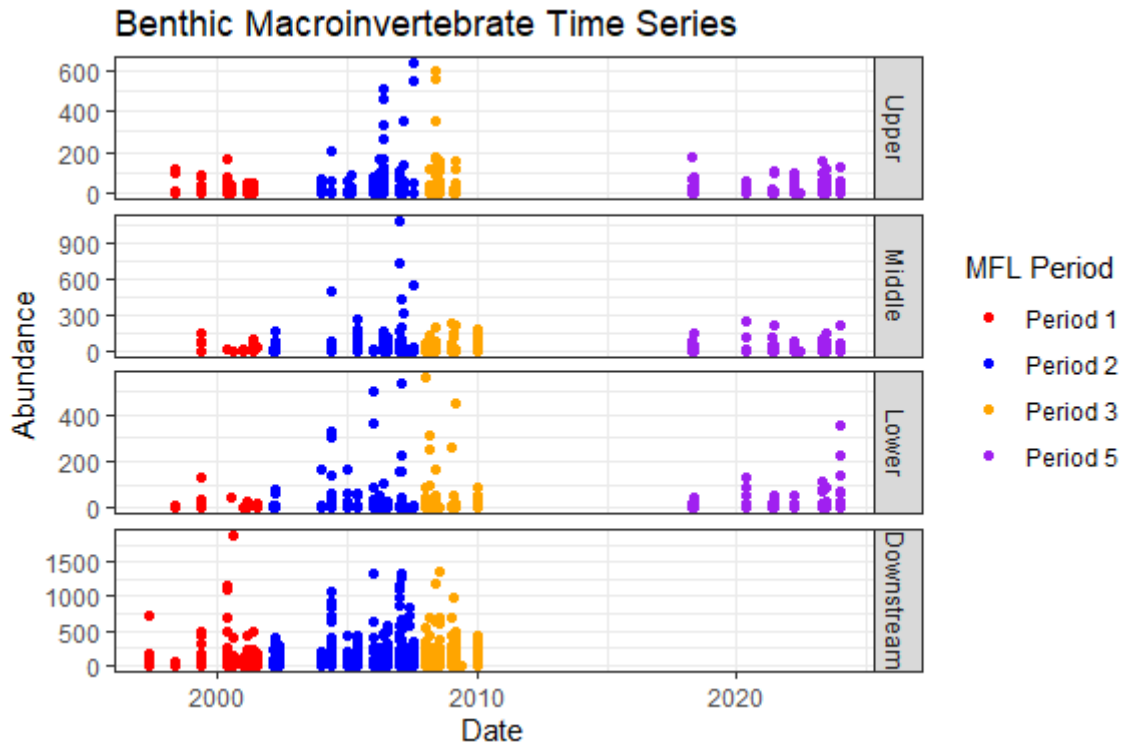
4.1.2.2 A graph of total abundance over time, grouped by year of sampling.



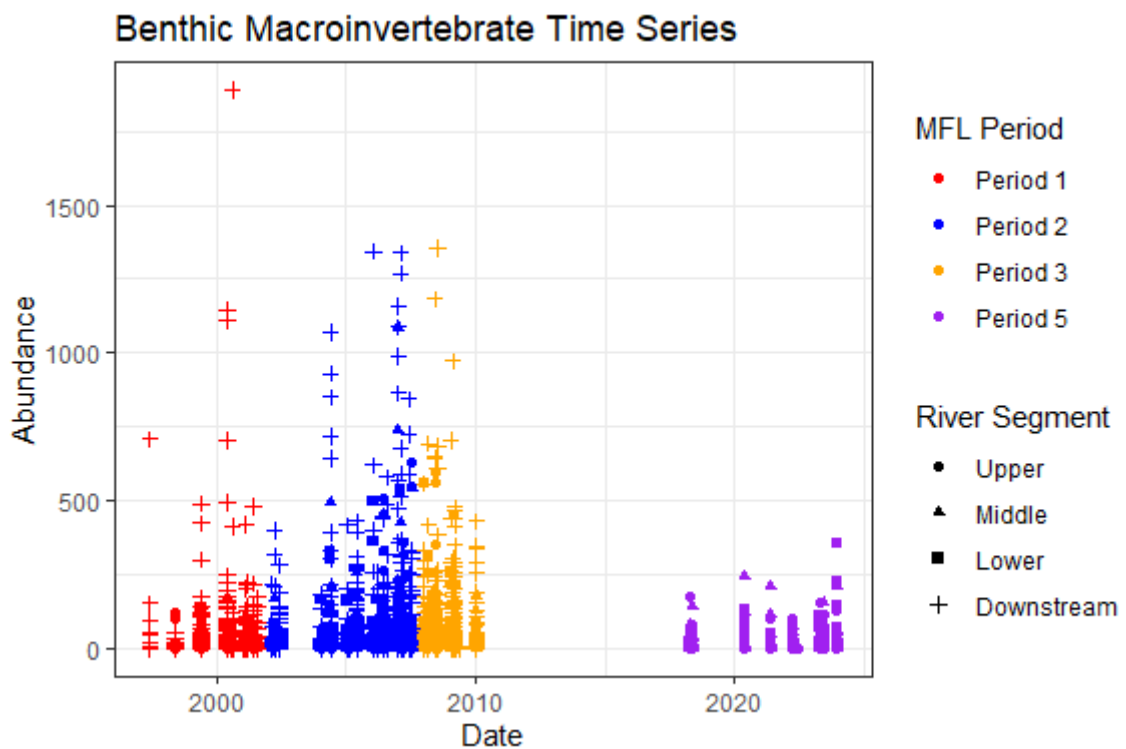
4.1.2.3 Boxplots of individuals, grouped by year, by MFL period and river segment.



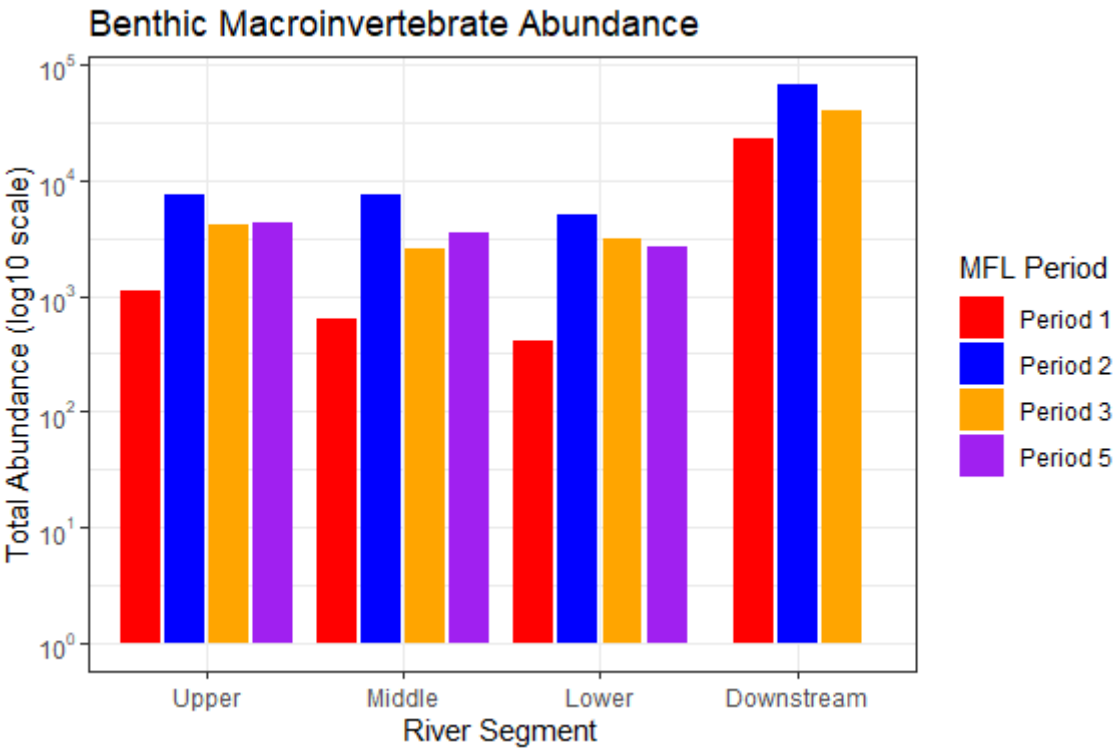
4.1.2.4 Abundance by year, MFL period, and river segment.



4.1.2.5 Total abundance by river segment, MFL period, and date.



4.1.2.6 Total abundance by MFL period and river segment.



4.2 DENSITY

4.2.1 TABLES

4.2.1.1 Total average density of the data set.

Total Avg Density
618

4.2.1.2 Total average density of each taxon.

Final Taxa	Total Avg Density
Kirkegaardia sp.	3831.6
Monticellina dorsobranchialis	3010.8
Amphibalanus subalbidus	2942.9
Grandidierella bonnieroides	2227.8
Streblospio gynobranchiata	1643.4
Pyrgophorus platyrachis	1642.1
Polydora websteri	1592.9
Streblospio sp.	1523.2
Clitellata w/proboscis	1456.5
Laeonereis culveri	1450.9
Stenoninereis martini	1416.2
Polypedilum halterale grp.	1388.0
Tubificidae w/o hair	1355.7
Naididae	1260.3
Opistocystidae sp.	1207.7
Littoridinops palustris	1156.7
Hargeria/Leptochelia sp. complex	1127.8
Hyaella azteca	1046.7
Melanoides tuberculata	1009.1

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Ostrea equestris	925.0
Amphibalanus improvisus	895.3
Melita elongata	894.4
Ampelisca abdita	881.4
Mytilopsis leucophaeata	864.0
Laeonereis cf. longula	841.4
Idoteidae	826.1
Tubificoides brownae	785.3
Hydrobiidae	776.5
Crepidula depressa	725.0
Limnodriloides sp.	720.1
Anopsilana jonesi	712.5
Capitella capitata sp. complex	663.6
Littoridinops sp.	657.9
Limnodrilus hoffmeisteri	657.4
Corbicula fluminea	643.4
Mysella planulata	638.3
Serpula sp.	625.0
Cassidinidea ovalis	624.7
Ampelisca holmesi	622.8
Melinna maculata	617.6
Pristina (Pristinella) sima	575.0
Melita nitida complex	539.2
Crassostrea virginica	537.5
Paranais litoralis	512.5
Melita longisetosa	500.0
Upogebia sp.	491.7
Leptochelia sp.	479.7
Paraprionospio sp.	451.0
Streblospio benedicti	446.2
Arcuatula papyria	434.2
Capitella sp. A of EPC	432.1
Littoridinops monroensis	412.5
Rissooidea sp. B of EPC	412.5
Gammarida sp.	410.4
Abra aequalis	407.7
Amphibalanus eburneus	401.7
Hyalella sp. C	391.3
Helobdella stagnalis	381.8
Nereis pelagica occidentalis	375.0
Aricidea (Acmira) taylori	368.9
Almyracuma bacescui	366.3
Hourstonius laguna	362.0
Chironomus sp.	361.3
Tubificidae w/ hair	356.5
Gloiodella elongata	350.0
Limnodriloidinae	350.0
Polypedilum scalaenum grp.	338.9
Polypedilum sp.	338.4
Leitoscoloplos sp.	329.6
Hydroides sanctaecrucis	325.0
Melita sp.	325.0
Polydora cornuta sp. complex	317.1
Anthozoa sp.	303.0
Schistomeringos cf. rudolphi	302.8
Polydora cornuta	292.9
Aulophorus flabelliger	290.0

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Monocorophium acherusicum	287.5
Dicrotendipes lobus	287.3
Bivalvia	276.8
Pyrgophorus tuberculatus	260.9
Kurtiella planulata	259.5
Actiniaria	258.6
Bocardiella sp.	255.8
Dicrotendipes neomodestus	254.9
Bocardiella ligerica	254.2
Thalassodrilides gurwitschi	250.0
Chironomus decorus grp.	248.4
Dipolydora socialis	243.4
Kelliopsis cf. texasiana	237.5
Prionospio perkinsi	237.5
Macoploma tenta	234.1
Amakusanthura magnifica	230.0
Parachironomus tenuicaudatus	225.0
Amphibalanus spp.	220.8
Monopylephorus rubroniveus	217.7
Larsia sp.	217.4
Platyhelminthes	217.4
Brachyura sp.	216.7
Mediomastus cf. californiensis	216.7
Nereiphylla castanea	209.1
Ancylidae	208.2
Ablabesmyia rhamphe grp.	207.5
Vitrinella floridana	204.3
Syllis gracilis	204.2
Procladius (Holotanypus) sp.	200.6
Helobdella elongata	198.9
Cyclaspis varians	197.8
Dicrotendipes modestus	195.3
Aricidea sp.	194.4
Ameritella cf. mitchelli	192.9
Cyathura polita	187.5
Capitella sp.	186.5
Ficopomatus enigmaticus	184.2
Bocardiella cf. hamata	181.2
Cyclostremiscus pentagonus	175.0
Hyalella sp. A	175.0
Hydroides sp.	175.0
Pisidium sp.	175.0
Turbonilla cf. arnoldoi	175.0
Cryptochironomus sp.	174.4
Minuspio perkinsi	173.2
Mulinia lateralis	173.2
Cerapus sp. C of LeCroy, 2007	172.2
Carazziella hobsonae	171.4
Amygdalum papyrium	170.6
Dicrotendipes sp.	170.4
Leitoscoloplos foliosus	169.6
Tubificoides motei	163.5
Dipolydora/Bocardiella grp.	161.4
Edotia triloba	161.2
Uromunna reynoldsi	160.4
Pseudopotamilla fitzhughii	160.0
Capitella jonesi	158.9

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Cirratulidae	158.3
Goeldichironomus sp.	158.3
Ampelisca sp. C of LeCroy, 2002	150.0
Lumbrineris nonatoi	150.0
Onobops sp.	150.0
Parachironomus directus	150.0
Hobsonia florida	146.4
Polydora sp.	145.4
Tarebia granifera	139.5
Tagelus plebeius	138.8
Sphaeroma terebrans	135.9
Sphaerium sp.	135.0
Apocorophium louisianum	132.8
Helobdella papillata	131.0
Pristina sp.	130.6
Piromis roberti	130.6
Dero sp.	130.4
Cotonopsis lafresnayi	125.0
Procladius sp.	124.5
Mediomastus sp.	121.7
Nemertea	121.2
Nereis sp. A	120.0
Sphenia fragilis	117.5
Kirsteueriella cf. biocellata	117.4
Bhawania heteroseta	116.7
Branchiomma sp.	116.7
Rhithropanopeus harrisi	116.3
Leodamas rubrus	115.6
Paraprionospio yokoyamai	114.5
Acromegalomma pigmentum	112.5
Tanypodinae	112.5
Asheum beckae	109.9
Alpheus sp.	108.3
Palaeonemertea	108.3
Hyalella sp.	105.0
Parahesion luteola	104.2
Alitta succinea	104.1
Cerebratulus lacteus	102.8
Polymesoda caroliniana	102.4
Dicrotendipes nervosus	101.5
Chaoborus sp.	101.4
Balanidae	100.0
Boonea impressa	100.0
Culicoides sp.	100.0
Diadumene cf. lineata	100.0
Libellula sp.	100.0
Podarkeopsis levifusca	99.4
Arenicola cristata	95.8
Aricidea (Acmira) philinae	94.0
Acteocina canaliculata	93.8
Palaeonemertea sp. A of EPC	93.8
Trichoptera	93.8
Ablabesmyia sp.	92.5
Hydroptila sp.	91.1
Neanthes micromma	89.3
Scoloplos rubra	89.3
Spionidae	89.3

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Hargeria rapax	88.3
Dero nivea	87.5
Dero pectinata	87.5
Ficopomatus sp.	87.5
Heteromastus sp.	87.5
Paralauterborniella nigrohalteralis	87.5
Bodotriidae sp.	87.0
Callibaetis sp.	87.0
Polydora socialis	87.0
Paracaprella tenuis	84.6
Stenochironomus sp.	83.7
Djalmabatista sp.	83.3
Eurypanopeus dissimilis	83.3
Panopeidae	82.5
Ficopomatus miamiensis	82.3
Xanthoidea	81.8
Ameritella cf. versicolor	78.6
Ampelisca sp.	78.4
Sigambra tentaculata	77.1
Amphibalanus venustus	75.0
Cerithiopsis sp.	75.0
Cirriformia sp.	75.0
Eunicidae	75.0
Hemipholis cordifera	75.0
Kinbergonuphis simoni	75.0
Lyonsia floridana	75.0
Odostomiinae	75.0
Parachironomus sp.	75.0
Pisidium punctiferum	75.0
Planorbella scalaris	75.0
Sayella hemphillii	75.0
Syllis sp.	75.0
Tryonia aequicostata	75.0
Hypereteone heteropoda	73.5
Turbellaria	72.5
Mediomastus cf. ambiseta	70.5
Pinnotheridae	70.2
Streblosoma hartmanae	68.8
Tanytarsus sp. G of Epler, 2001	68.2
Haminoea succinea	67.2
Cyrenoida floridana	66.7
Ficopomatus uschakovi	64.3
Eteone heteropoda	64.0
Chaoborus punctipennis	62.5
Djalmabatista pulcher variant	62.5
Enoplobranchus sanguineus	62.5
Ischadium recurvum	62.5
Thalassodrilides ineri	62.5
Turbonilla hemphilli	62.5
Phyllodoce arenae	60.5
Anadara transversa	58.3
Astyris lunata	58.3
Cirripedia	58.3
Clymenella torquata	58.3
Euplana gracilis	58.3
Hydroides dianthus	58.3
Parasabella sp.	58.3

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Tanytarsus sp. G	58.3
Tubificoides/Tectidrilus with papillae	58.3
Hydra sp.	58.0
Oecetis inconspicua complex	57.6
Chironomidae	56.9
Ceratopogonide	56.7
Caryocorbula cf. contracta	56.2
Gastropoda	55.9
Tellinidae	55.0
Caenis diminuta	54.4
Ampelisca vadorum	54.2
Oxydromus obscurus	54.2
Sigambra bassi	54.2
Spiochaetopterus oculatus	53.6
Stylochus ellipticus	52.8
Americamysis almyra	51.4
Bezzia/Palpomyia grp.	51.0
Ablabesmyia (Karelia) sp.	50.0
Ambidexter symmetricus	50.0
Arhynchobdellida sp.	50.0
Asthenothaerus hemphilli	50.0
Brania nitidula	50.0
Bratislavia unidentata	50.0
Cyclostremiscus suppressus	50.0
Daphnia sp.	50.0
Dicrotendipes simpsoni	50.0
Eupleura caudata	50.0
Exosphaeroma diminutum	50.0
Gammarus sp.	50.0
Goeldichironomus carus	50.0
Labrundinia pilosella	50.0
Mysidae	50.0
Oecetis nocturna	50.0
Ophiuroidea	50.0
Parachironomus carinatus	50.0
Parachironomus frequens	50.0
Paraonidae	50.0
Peltodytes sp.	50.0
Phrontis vibex	50.0
Pileolaria sp.	50.0
Polycirrus sp.	50.0
Rudilemboides naglei	50.0
Serpulidae	50.0
Sphaerosyllis taylori	50.0
Tanypus sp.	50.0
Tanytarsus sp. K	50.0
Teinostoma biscaynense	50.0
Terebella cf. verrilli	50.0
Cricotopus bicinctus	47.8
Tanytarsus sp.	47.5
Glycinde multidentis	45.8
Enchytraeidae	44.8
Glottidia pyramidata	44.2
Nais variabilis	43.8
Tagelus divisus	43.8
Amphicteis floridus	43.5
Branchiobdellidae	43.5

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Ceriodaphnia sp.	43.5
Clinotanypus sp.	43.5
Cnidaria (LPIL)	43.5
Cyprideis littoralis	43.5
Diptera	43.5
Dubiraphia vittata	43.5
Edotia montosa	43.5
Libellula incesta	43.5
Neanthes succinea	43.5
Oecetis inconspicua	43.5
Oribatida	43.5
Paranais sp.	43.5
Placobdella ornata	43.5
Procladius bellus var.1 Epler	43.5
Sphaerosyllis sp.	43.5
Stenelmis sp.	43.5
Vesiculariidae	43.5
Erpobdella punctata	43.4
Tubulanus pellucidus	42.9
Caenis sp.	42.1
Euhirudinea sp.	41.7
Marphysa sp. A of EPC	41.7
Nais communis sp. complex	41.7
Parasabella microphthalma	41.7
Parvanachis obesa	41.7
Phoronis sp.	41.7
Pinnixa sp.	41.7
Cladopelma sp.	41.1
Odontosyllis enopla	40.0
Oxyurostylis smithi	40.0
Aphylla williamsoni	39.5
Collembola	38.4
Ablabesmyia mallochi	37.5
Alpheus armillatus	37.5
Coelotanypus sp.	37.5
Cryptotendipes sp.	37.5
Exogone dispar	37.5
Hebetancylus excentricus	37.5
Nereis lamellosa	37.5
Pristina (Pristina) proboscidea	37.5
Pristina (Pristinella) sp.	37.5
Prosobranchia sp.	37.5
Pseudochironomus sp.	37.5
Sabellidae	37.5
Tagelus sp.	37.5
Zygonemertes virescens	37.5
Libellulidae	36.4
Oecetis sp.	36.4
Pectinaria gouldii	35.7
Enteropneusta	35.0
Fragilonemertes rosea	35.0
Gammarus mucronatus	35.0
Haminoea antillarum	35.0
Cyrenellus fraternus	34.6
Cladotanytarsus sp.	34.2
Dasyhelea sp.	34.2
Hirudinea	34.2

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Mytilidae	34.2
Decapoda	33.3
Glycera americana	33.3
Hydroides protulicola	33.3
Neogyptis crypta	33.3
Prionospio heterobranchia	33.3
Americamysis stucki	31.2
Japonactaeon punctostriatus	31.2
Melongena corona	31.2
Syllis cf. maryae	31.2
Sinelobus stanfordi	31.2
Ephemeroptera	30.0
Nereididae	30.0
Leptoceridae	29.6
Diopatra cuprea	29.6
Scolecopsis texana	29.2
Acteocina sp.	25.0
Aeolidioidea	25.0
Aglaophamus verrilli	25.0
Amphibalanus cf. amphitrite	25.0
Amphinomidae	25.0
Ancistrosyllis jonesi	25.0
Anoplodactylus sp.	25.0
Anthoathecata sp.	25.0
Anthopleura sp.	25.0
Aoridae sp.	25.0
Apedilum sp.	25.0
Asciacea	25.0
Austromacoma constricta	25.0
Berosus sp.	25.0
Branchiostoma floridae	25.0
Cabira incerta	25.0
Caecum pulchellum	25.0
Callianassidae	25.0
Calyptraeidae	25.0
Caryocorbula swiftiana	25.0
Ceriantharia	25.0
Cerithiopsis fusiformis	25.0
Chaetognatha	25.0
Cirolana cf. jonesi	25.0
Cirriformia sp. A of Wolf, 1984	25.0
Cladotanytarsus sp. F	25.0
Clymenella mucosa	25.0
Corophiidae	25.0
Crassinella lunulata	25.0
Crustipellis tribranchiata	25.0
Cyclaspis sp. C of Rakocinski et al, 1996	25.0
Dero obtusa	25.0
Djalmabatista pulcher	25.0
Dubiraphia sp.	25.0
Ensis megistus coseli	25.0
Entomobryidae	25.0
Eudendrium sp.	25.0
Eupleura tampaensis	25.0
Fabricinuda trilobata	25.0
Fargoa cf. gibbosa	25.0
Ferrissia cf. hendersoni	25.0

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Gammaridea	25.0
Glossiphoniidae sp.	25.0
Haloclava cf. producta	25.0
Heteronemertea	25.0
Holothuroidea	25.0
Hoplonemertea	25.0
Hydroides sp. A of EPC	25.0
Hydroptilidae	25.0
Idunella barnardi	25.0
Isopoda	25.0
Lasaeidae	25.0
Limulus polyphemus	25.0
Lysilla sp.	25.0
Magelona pettiboneae	25.0
Maldane cf. sarsi	25.0
Maldanidae	25.0
Marphysa sp. B of EPC	25.0
Membranipora cf. arborescens	25.0
Mercenaria sp.	25.0
Microphiopholis atra	25.0
Naidinae sp. A of EPC	25.0
Nanocladius sp.	25.0
Neanthes sp. A of EPC	25.0
Neoamphitrite cf. sp. A of Kritzler, 1984	25.0
Nephtys cryptomma	25.0
Notomastus hemipodus	25.0
Odonata	25.0
Odostomia laevigata	25.0
Oecetis sp. A of Epler, 2001	25.0
Onuphidae sp.	25.0
Ophiophragmus filigraneus	25.0
Orbiniidae	25.0
Orchestia sp.	25.0
Orobitella floridana	25.0
Oxyurostylis lecrovae	25.0
Paradialychone uebelacker	25.0
Paranaitis gardineri	25.0
Parastarte triquetra	25.0
Pentamera cf. pulcherrima	25.0
Petrolisthes armatus	25.0
Phascolion (Lesenka) cryptum	25.0
Pinnixa sp. A of LeCroy, unpublished key,Perdido,FL	25.0
Pinnixulala retinens	25.0
Pista palmata	25.0
Pista sp. A of EPC	25.0
Polycirrus sp. C of EPC	25.0
Polycladida sp.	25.0
Polypedilum illinoense grp.	25.0
Pristina (Pristinella) cf. osborni	25.0
Pristina leidy	25.0
Probezzia sp.	25.0
Prostoma sp.	25.0
Psychodidae	25.0
Rathbunixa cf. pearsei	25.0
Rhabditophora sp.	25.0
Rissooidea	25.0
Sabellaria sp. A of Uebelacker, 1984	25.0

Sessilia sp.	25.0
Sparganophilus sp.	25.0
Sphaeroma quadridentatum	25.0
Sphaerosyllis glandulata	25.0
Styelidae	25.0
Syllis cf. beneliahuae	25.0
Syllis sp. A of EPC	25.0
Tectonatica pusilla	25.0
Teinostoma sp.	25.0
Tergipedidae	25.0
Tetrastemma candidum	25.0
Tricladida	25.0
Tubificoides sp.	25.0
Turbonilla (Pyrgiscus) sp. A of EPC	25.0
Turbonilla (Pyrgiscus) sp. B of EPC	25.0
Turbonilla cf. conradi	25.0
Xenanthura brevitelson	25.0
Zygoptera	25.0
Cirolana parva	22.4
Bryozoa	22.2
Enallagma sp.	19.1
Polypedilum beckae	14.1
Coenagrionidae	13.3
Conopeum cf. seurati	9.7
Hydrozoa	9.0
Neureclipsis sp.	3.1
Enallagma coecum	1.6
Melanoides turriculus	1.6
Aeverrillia sp.	1.0
Biflustra arborescens	1.0
Campanulariidae	1.0
Campanulariidae sp. A of EPC	1.0
Cheilostomatida	1.0
Cliona sp.	1.0
Hippoporina indica	1.0
Membranipora sp.	1.0
Schizoporella sp.	1.0
Palaemonetes pugio	0.0

4.2.1.3 Total average density of each taxon by MFL period and river segment.

River Segment	MFL Period	Final Taxa	Total Avg Density
Upper	Period 1	Corbicula fluminea	1800.0
Upper	Period 1	Naididae	1550.0
Upper	Period 1	Laeonereis cf. longula	1350.0
Upper	Period 1	Laeonereis culveri	1325.0
Upper	Period 1	Dicrotendipes lobus	1125.0
Upper	Period 1	Monopylephorus rubroniveus	975.0
Upper	Period 1	Mytilopsis leucophaeata	712.5
Upper	Period 1	Pyrgophorus platyrachis	656.2
Upper	Period 1	Rhithropanopeus harrisi	400.0
Upper	Period 1	Melanoides tuberculata	191.7
Upper	Period 1	Stenonereis martini	191.7
Upper	Period 1	Chironomus sp.	183.3
Upper	Period 1	Grandidierella bonnieroides	175.0
Upper	Period 1	Hyalella sp. A	175.0
Upper	Period 1	Littoridinops palustris	150.0

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Upper	Period 1	Onobops sp.	150.0
Upper	Period 1	Cassidinidea ovalis	75.0
Upper	Period 1	Hydrobiidae	75.0
Upper	Period 1	Carazziella hobsonae	50.0
Upper	Period 1	Exosphaeroma diminutum	50.0
Upper	Period 1	Hebetancylus excentricus	50.0
Upper	Period 1	Asheum beckae	25.0
Upper	Period 1	Boonea impressa	25.0
Upper	Period 1	Capitella capitata sp. complex	25.0
Upper	Period 1	Ceratopogonide	25.0
Upper	Period 1	Kurtiella planulata	25.0
Upper	Period 1	Panopeidae	25.0
Upper	Period 1	Parachironomus sp.	25.0
Upper	Period 1	Polydora sp.	25.0
Upper	Period 1	Prostoma sp.	25.0
Upper	Period 1	Tubificidae w/o hair	25.0
Middle	Period 1	Naididae	2462.5
Middle	Period 1	Corbicula fluminea	1800.0
Middle	Period 1	Laeonereis cf. longula	1333.3
Middle	Period 1	Stenonereis martini	845.0
Middle	Period 1	Melanoides tuberculata	150.0
Middle	Period 1	Mytilopsis leucophaeata	150.0
Middle	Period 1	Grandidierella bonnieroides	125.0
Middle	Period 1	Chironomus sp.	75.0
Middle	Period 1	Glycinde multidentis	75.0
Middle	Period 1	Almyracuma bacescui	37.5
Middle	Period 1	Hydrobiidae	25.0
Middle	Period 1	Laeonereis culveri	25.0
Middle	Period 1	Rhithropanopeus harrisii	25.0
Middle	Period 1	Streblospio gynobranchiata	25.0
Middle	Period 1	Streblospio sp.	25.0
Middle	Period 1	Tagelus plebeius	25.0
Lower	Period 1	Laeonereis cf. longula	3375.0
Lower	Period 1	Naididae	575.0
Lower	Period 1	Stenonereis martini	440.6
Lower	Period 1	Streblospio benedicti	412.5
Lower	Period 1	Corbicula fluminea	300.0
Lower	Period 1	Chironomidae	250.0
Lower	Period 1	Cryptochironomus sp.	150.0
Lower	Period 1	Melanoides tuberculata	100.0
Lower	Period 1	Monticellina dorsobranchialis	100.0
Lower	Period 1	Pyrgophorus platyrachis	87.5
Lower	Period 1	Almyracuma bacescui	50.0
Lower	Period 1	Mytilopsis leucophaeata	50.0
Lower	Period 1	Ampelisca abdita	25.0
Lower	Period 1	Capitella capitata sp. complex	25.0
Lower	Period 1	Chironomus sp.	25.0
Lower	Period 1	Laeonereis culveri	25.0
Lower	Period 1	Nemertea	25.0
Lower	Period 1	Nereididae	25.0
Lower	Period 1	Podarkeopsis levifuscina	25.0
Lower	Period 1	Polypedilum sp.	25.0
Lower	Period 1	Rhithropanopeus harrisii	25.0
Downstream	Period 1	Monticellina dorsobranchialis	6244.4
Downstream	Period 1	Kirkegaardia sp.	6146.9
Downstream	Period 1	Laeonereis cf. longula	1422.9
Downstream	Period 1	Ampelisca abdita	1325.6

Downstream	Period 1	Ampelisca holmesi	1170.3
Downstream	Period 1	Mytilopsis leucophaeata	1128.6
Downstream	Period 1	Stenoninereis martini	1093.8
Downstream	Period 1	Melita elongata	891.7
Downstream	Period 1	Streblospio benedicti	879.5
Downstream	Period 1	Grandidierella bonnieroides	868.2
Downstream	Period 1	Naididae	807.4
Downstream	Period 1	Crassostrea virginica	762.5
Downstream	Period 1	Laeonereis culveri	680.0
Downstream	Period 1	Capitella capitata sp. complex	567.0
Downstream	Period 1	Tubificoides brownae	556.6
Downstream	Period 1	Upogebia sp.	491.7
Downstream	Period 1	Capitella sp. A of EPC	461.5
Downstream	Period 1	Aricidea (Acmira) taylori	400.0
Downstream	Period 1	Cyclaspis varians	375.0
Downstream	Period 1	Limnodriloidinae	350.0
Downstream	Period 1	Tagelus plebeius	347.7
Downstream	Period 1	Carazziella hobsonae	333.3
Downstream	Period 1	Pseudopotamilla fitzhughii	325.0
Downstream	Period 1	Paracaprella tenuis	300.0
Downstream	Period 1	Littoridinops palustris	294.4
Downstream	Period 1	Syllis gracilis	275.0
Downstream	Period 1	Edotia triloba	273.4
Downstream	Period 1	Schistomeringos cf. rudolphi	237.5
Downstream	Period 1	Prionospio perkinsi	234.4
Downstream	Period 1	Cirratulidae	225.0
Downstream	Period 1	Mediomastus cf. californiensis	225.0
Downstream	Period 1	Leitoscoloplos foliosus	222.7
Downstream	Period 1	Actiniaria	208.3
Downstream	Period 1	Tubificidae w/o hair	203.6
Downstream	Period 1	Crepidula depressa	190.0
Downstream	Period 1	Arcuatula papyria	187.5
Downstream	Period 1	Melinna maculata	181.9
Downstream	Period 1	Leptochelia sp.	180.0
Downstream	Period 1	Ampelisca vadorum	175.0
Downstream	Period 1	Hydroides sp.	175.0
Downstream	Period 1	Melita nitida complex	175.0
Downstream	Period 1	Polypedilum halterale grp.	175.0
Downstream	Period 1	Mulinia lateralis	165.4
Downstream	Period 1	Chironomus sp.	162.5
Downstream	Period 1	Ampelisca sp. C of LeCroy, 2002	150.0
Downstream	Period 1	Cerapus sp. C of LeCroy, 2007	150.0
Downstream	Period 1	Paraprionospio yokoyamai	138.5
Downstream	Period 1	Cerebratulus lacteus	133.3
Downstream	Period 1	Paraprionospio sp.	127.8
Downstream	Period 1	Nemertea	126.9
Downstream	Period 1	Kirsteueriella cf. biocellata	126.7
Downstream	Period 1	Anadara transversa	125.0
Downstream	Period 1	Branchiomma sp.	125.0
Downstream	Period 1	Corbicula fluminea	125.0
Downstream	Period 1	Cotonopsis lafresnayi	125.0
Downstream	Period 1	Melanoides tuberculata	125.0
Downstream	Period 1	Mysella planulata	118.8
Downstream	Period 1	Piromis roberti	118.8
Downstream	Period 1	Bhawania heteroseta	116.7
Downstream	Period 1	Boccardiella cf. hamata	116.7
Downstream	Period 1	Neanthes micromma	115.0

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Downstream	Period 1	Hourstonius laguna	112.5
Downstream	Period 1	Polypedilum scalaenum grp.	112.5
Downstream	Period 1	Sigambra bassi	112.5
Downstream	Period 1	Kurtiella planulata	110.4
Downstream	Period 1	Tubificoides motei	110.0
Downstream	Period 1	Streblospio sp.	109.0
Downstream	Period 1	Ameritella cf. versicolor	106.2
Downstream	Period 1	Arenicola cristata	100.0
Downstream	Period 1	Chaoborus punctipennis	100.0
Downstream	Period 1	Lumbrineris nonatoi	100.0
Downstream	Period 1	Mediomastus sp.	100.0
Downstream	Period 1	Oxydromus obscurus	100.0
Downstream	Period 1	Polypedilum sp.	100.0
Downstream	Period 1	Leodamas rubrus	96.7
Downstream	Period 1	Dipolydora socialis	93.8
Downstream	Period 1	Sigambra tentaculata	92.9
Downstream	Period 1	Capitella sp.	92.5
Downstream	Period 1	Heteromastus sp.	91.7
Downstream	Period 1	Thalassodrilides gurwitschi	91.7
Downstream	Period 1	Sphenia fragilis	90.0
Downstream	Period 1	Rhithropanopeus harrisi	89.1
Downstream	Period 1	Macoploma tenta	81.2
Downstream	Period 1	Palaeonemertea sp. A of EPC	79.5
Downstream	Period 1	Bivalvia	78.6
Downstream	Period 1	Hypereteone heteropoda	78.1
Downstream	Period 1	Pinnotheridae	76.8
Downstream	Period 1	Apocorophium louisianum	75.0
Downstream	Period 1	Boonea impressa	75.0
Downstream	Period 1	Cerithiopsis sp.	75.0
Downstream	Period 1	Cirriformia sp.	75.0
Downstream	Period 1	Eunicidae	75.0
Downstream	Period 1	Hydroides dianthus	75.0
Downstream	Period 1	Limnodriloides sp.	75.0
Downstream	Period 1	Littoridinops monroensis	75.0
Downstream	Period 1	Lyonsia floridana	75.0
Downstream	Period 1	Minuspio perkinsi	75.0
Downstream	Period 1	Ophiuroidea	75.0
Downstream	Period 1	Podarkeopsis levifuscina	75.0
Downstream	Period 1	Rudilemboides naglei	75.0
Downstream	Period 1	Sayella hemphillii	75.0
Downstream	Period 1	Syllis sp.	75.0
Downstream	Period 1	Tryonia aequicostata	75.0
Downstream	Period 1	Leitoscoloplos sp.	72.2
Downstream	Period 1	Streblosoma hartmanae	68.8
Downstream	Period 1	Scoloplos rubra	66.7
Downstream	Period 1	Acromegalomma pigmentum	64.3
Downstream	Period 1	Streblospio gynobranchiata	63.6
Downstream	Period 1	Amygdalum papyrium	62.5
Downstream	Period 1	Cirripedia	62.5
Downstream	Period 1	Enoplobranchus sanguineus	62.5
Downstream	Period 1	Hydroides sanctaecrucis	62.5
Downstream	Period 1	Sabellidae	62.5
Downstream	Period 1	Tellinidae	62.5
Downstream	Period 1	Thalassodrilides ineri	62.5
Downstream	Period 1	Polydora sp.	60.0
Downstream	Period 1	Almyracuma bacescui	56.2
Downstream	Period 1	Nereiphylla castanea	56.2

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Downstream	Period 1	Tagelus divisus	56.2
Downstream	Period 1	Hobsonia florida	55.0
Downstream	Period 1	Glycinde multidentis	53.1
Downstream	Period 1	Alpheus sp.	50.0
Downstream	Period 1	Ambidexter symmetricus	50.0
Downstream	Period 1	Americamysis almyra	50.0
Downstream	Period 1	Brania nitidula	50.0
Downstream	Period 1	Caryocorbula cf. contracta	50.0
Downstream	Period 1	Cyclostremiscus suppressus	50.0
Downstream	Period 1	Exogone dispar	50.0
Downstream	Period 1	Ficopomatus miamiensis	50.0
Downstream	Period 1	Glottidia pyramidata	50.0
Downstream	Period 1	Mediomastus cf. ambiseta	50.0
Downstream	Period 1	Melongena corona	50.0
Downstream	Period 1	Monocorophium acherusicum	50.0
Downstream	Period 1	Oxyurostylis smithi	50.0
Downstream	Period 1	Parahesione luteola	50.0
Downstream	Period 1	Parasabella microphthalma	50.0
Downstream	Period 1	Phoronis sp.	50.0
Downstream	Period 1	Pinnixa sp.	50.0
Downstream	Period 1	Polycirrus sp.	50.0
Downstream	Period 1	Polydora cornuta	50.0
Downstream	Period 1	Terebella cf. verrilli	50.0
Downstream	Period 1	Vitrinella floridana	50.0
Downstream	Period 1	Aricidea (Acmira) philbinae	46.9
Downstream	Period 1	Acteocina canaliculata	45.8
Downstream	Period 1	Cyathura polita	43.3
Downstream	Period 1	Phyllodoce arenae	42.9
Downstream	Period 1	Eteone heteropoda	42.5
Downstream	Period 1	Erpobdella punctata	41.7
Downstream	Period 1	Hargeria rapax	41.7
Downstream	Period 1	Hydrobiidae	41.7
Downstream	Period 1	Marphysa sp. A of EPC	41.7
Downstream	Period 1	Tubulanus pellucidus	41.7
Downstream	Period 1	Alpheus armillatus	37.5
Downstream	Period 1	Amphibalanus improvisus	37.5
Downstream	Period 1	Decapoda	37.5
Downstream	Period 1	Dicerotendipes lobus	37.5
Downstream	Period 1	Neoglyptis crypta	37.5
Downstream	Period 1	Nereis lamellosa	37.5
Downstream	Period 1	Palaeonemertea	37.5
Downstream	Period 1	Polydora websteri	37.5
Downstream	Period 1	Polymesoda caroliniana	37.5
Downstream	Period 1	Prionospio heterobranchia	37.5
Downstream	Period 1	Zygonemertes virescens	37.5
Downstream	Period 1	Enteropneusta	35.0
Downstream	Period 1	Panopeidae	35.0
Downstream	Period 1	Phrontis vibex	35.0
Downstream	Period 1	Amakusanthura magnifica	33.3
Downstream	Period 1	Nereididae	31.2
Downstream	Period 1	Alitta succinea	30.0
Downstream	Period 1	Glycera americana	28.9
Downstream	Period 1	Haminoea succinea	28.6
Downstream	Period 1	Abra aequalis	25.0
Downstream	Period 1	Acteocina sp.	25.0
Downstream	Period 1	Aglaophamus verrilli	25.0
Downstream	Period 1	Ampelisca sp.	25.0

Downstream	Period 1	Amphinomidae	25.0
Downstream	Period 1	Astyris lunata	25.0
Downstream	Period 1	Austromacoma constricta	25.0
Downstream	Period 1	Bocardiella sp.	25.0
Downstream	Period 1	Branchiostoma floridae	25.0
Downstream	Period 1	Cabira incerta	25.0
Downstream	Period 1	Caecum pulchellum	25.0
Downstream	Period 1	Callianasside	25.0
Downstream	Period 1	Calyptraeidae	25.0
Downstream	Period 1	Capitella jonesi	25.0
Downstream	Period 1	Caryocorbula swiftiana	25.0
Downstream	Period 1	Chaetognatha	25.0
Downstream	Period 1	Clymenella mucosa	25.0
Downstream	Period 1	Crassinella lunulata	25.0
Downstream	Period 1	Cryptochironomus sp.	25.0
Downstream	Period 1	Cyclaspis sp. C of Rakocinski et al, 1996	25.0
Downstream	Period 1	Dasyhelea sp.	25.0
Downstream	Period 1	Diopatra cuprea	25.0
Downstream	Period 1	Dipolydora/Boccardiella grp.	25.0
Downstream	Period 1	Djalmabatista pulcher	25.0
Downstream	Period 1	Fabricinuda trilobata	25.0
Downstream	Period 1	Ficopomatus uschakovi	25.0
Downstream	Period 1	Gammaridea	25.0
Downstream	Period 1	Gammarus mucronatus	25.0
Downstream	Period 1	Gastropoda	25.0
Downstream	Period 1	Hemipholis cordifera	25.0
Downstream	Period 1	Hoplonemertea	25.0
Downstream	Period 1	Idunella barnardi	25.0
Downstream	Period 1	Japonactaeon punctostriatus	25.0
Downstream	Period 1	Magelona pettiboneae	25.0
Downstream	Period 1	Marphysa sp. B of EPC	25.0
Downstream	Period 1	Mercenaria sp.	25.0
Downstream	Period 1	Mysidae	25.0
Downstream	Period 1	Neanthes sp. A of EPC	25.0
Downstream	Period 1	Neoamphitrite cf. sp. A of Kritzler, 1984	25.0
Downstream	Period 1	Odostomia laevigata	25.0
Downstream	Period 1	Ophiophragmus filigraneus	25.0
Downstream	Period 1	Orbiniidae	25.0
Downstream	Period 1	Paradialychone uebelacker	25.0
Downstream	Period 1	Paranaitis gardineri	25.0
Downstream	Period 1	Parasabella sp.	25.0
Downstream	Period 1	Pectinaria gouldii	25.0
Downstream	Period 1	Pinnixa sp. A of LeCroy, unpublished key,Perdido,FL	25.0
Downstream	Period 1	Pista sp. A of EPC	25.0
Downstream	Period 1	Polycirrus sp. C of EPC	25.0
Downstream	Period 1	Rathbunixa cf. pearsei	25.0
Downstream	Period 1	Sabellaria sp. A of Uebelacker, 1984	25.0
Downstream	Period 1	Serpulidae	25.0
Downstream	Period 1	Sphaeroma quadridentatum	25.0
Downstream	Period 1	Sphaerosyllis glandulata	25.0
Downstream	Period 1	Spionidae	25.0
Downstream	Period 1	Styelidae	25.0
Downstream	Period 1	Stylochus ellipticus	25.0
Downstream	Period 1	Syllis cf. beneliahuae	25.0
Downstream	Period 1	Syllis sp. A of EPC	25.0
Downstream	Period 1	Tectonatica pusilla	25.0
Downstream	Period 1	Teinostoma biscaynense	25.0

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Downstream	Period 1	Teinostoma sp.	25.0
Downstream	Period 1	Tricladida	25.0
Downstream	Period 1	Turbonilla (Pyrgiscus) sp. A of EPC	25.0
Downstream	Period 1	Turbonilla (Pyrgiscus) sp. B of EPC	25.0
Downstream	Period 1	Turbonilla cf. conradi	25.0
Downstream	Period 1	Bryozoa	1.0
Downstream	Period 1	Campanulariidae	1.0
Downstream	Period 1	Cliona sp.	1.0
Downstream	Period 1	Schizoporella sp.	1.0
Upper	Period 2	Melanoides tuberculata	3931.2
Upper	Period 2	Hydrobiidae	2846.9
Upper	Period 2	Pyrgophorus platyrachis	2677.2
Upper	Period 2	Naididae	2405.0
Upper	Period 2	Stenonereis martini	1695.3
Upper	Period 2	Corbicula fluminea	1053.6
Upper	Period 2	Laeonereis cf. longula	958.3
Upper	Period 2	Mytilopsis leucophaeata	818.8
Upper	Period 2	Pristina (Pristinella) sima	575.0
Upper	Period 2	Polypedilum scalaenum grp.	531.2
Upper	Period 2	Grandidierella bonnieroides	508.6
Upper	Period 2	Limnodrilus hoffmeisteri	476.9
Upper	Period 2	Helobdella stagnalis	462.5
Upper	Period 2	Tubificidae w/o hair	462.5
Upper	Period 2	Dicrotendipes sp.	373.7
Upper	Period 2	Laeonereis culveri	371.4
Upper	Period 2	Hyalella azteca	348.4
Upper	Period 2	Polypedilum halterale grp.	295.3
Upper	Period 2	Chironomus sp.	271.4
Upper	Period 2	Uromunna reynoldsi	255.9
Upper	Period 2	Procladius (Holotanypus) sp.	212.5
Upper	Period 2	Cassidinidea ovalis	211.8
Upper	Period 2	Asheum beckae	200.0
Upper	Period 2	Helobdella papillata	175.0
Upper	Period 2	Sphaerium sp.	162.5
Upper	Period 2	Boccardiella ligerica	137.5
Upper	Period 2	Paralauterborniella nigrohalteralis	125.0
Upper	Period 2	Cryptochironomus sp.	120.8
Upper	Period 2	Ablabesmyia sp.	106.2
Upper	Period 2	Culicoides sp.	100.0
Upper	Period 2	Goeldichironomus sp.	100.0
Upper	Period 2	Libellula sp.	100.0
Upper	Period 2	Procladius sp.	87.5
Upper	Period 2	Brachyura sp.	75.0
Upper	Period 2	Dero nivea	75.0
Upper	Period 2	Dipolydora/Boccardiella grp.	75.0
Upper	Period 2	Mysidae	75.0
Upper	Period 2	Nais communis sp. complex	75.0
Upper	Period 2	Planorbella scalaris	75.0
Upper	Period 2	Tanytarsus sp. G	75.0
Upper	Period 2	Ceratopogonide	62.5
Upper	Period 2	Pristina sp.	62.5
Upper	Period 2	Ablabesmyia mallochi	50.0
Upper	Period 2	Bezzia/Palpomyia grp.	50.0
Upper	Period 2	Cricotopus bicinctus	50.0
Upper	Period 2	Euplana gracilis	50.0
Upper	Period 2	Goeldichironomus carus	50.0
Upper	Period 2	Helobdella elongata	50.0

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Upper	Period 2	Parachironomus sp.	50.0
Upper	Period 2	Tanytarsus sp. K	50.0
Upper	Period 2	Rhithropanopeus harrisii	46.4
Upper	Period 2	Tanytarsus sp. G of Epler, 2001	41.7
Upper	Period 2	Chironomidae	40.1
Upper	Period 2	Ephemeroptera	37.5
Upper	Period 2	Gammarus mucronatus	37.5
Upper	Period 2	Libellulidae	37.5
Upper	Period 2	Pseudochironomus sp.	37.5
Upper	Period 2	Oecetis sp.	33.3
Upper	Period 2	Dicrotendipes neomodestus	33.1
Upper	Period 2	Tanytarsus sp.	32.0
Upper	Period 2	Hydroptila sp.	31.8
Upper	Period 2	Polypedilum sp.	25.5
Upper	Period 2	Americamysis stucki	25.0
Upper	Period 2	Ancylidae	25.0
Upper	Period 2	Berosus sp.	25.0
Upper	Period 2	Chaoborus sp.	25.0
Upper	Period 2	Cladopelma sp.	25.0
Upper	Period 2	Cladotanytarsus sp.	25.0
Upper	Period 2	Collembola	25.0
Upper	Period 2	Djalmabatista pulcher	25.0
Upper	Period 2	Enchytraeidae	25.0
Upper	Period 2	Erpobdella punctata	25.0
Upper	Period 2	Gloibdella elongata	25.0
Upper	Period 2	Hargeria rapax	25.0
Upper	Period 2	Hirudinea	25.0
Upper	Period 2	Hydroptilidae	25.0
Upper	Period 2	Kirsteueriella cf. biocellata	25.0
Upper	Period 2	Leptoceridae	25.0
Upper	Period 2	Naidinae sp. A of EPC	25.0
Upper	Period 2	Oecetis sp. A of Epler, 2001	25.0
Upper	Period 2	Pristina (Pristina) proboscidea	25.0
Upper	Period 2	Pristina (Pristinella) cf. osborni	25.0
Upper	Period 2	Streblospio sp.	25.0
Upper	Period 2	Tanypodinae	25.0
Upper	Period 2	Tubulanus pellucidus	25.0
Upper	Period 2	Ablabesmyia rhamphe grp.	23.4
Upper	Period 2	Cirolana parva	17.2
Upper	Period 2	Polypedilum beckae	14.1
Upper	Period 2	Enallagma sp.	13.3
Upper	Period 2	Dicrotendipes lobus	7.8
Upper	Period 2	Dipolydora socialis	4.7
Upper	Period 2	Neureclipsis sp.	3.1
Upper	Period 2	Coenagrionidae	1.6
Upper	Period 2	Cyrrnellus fraternus	1.6
Upper	Period 2	Enallagma coecum	1.6
Upper	Period 2	Melanoides turriculus	1.6
Upper	Period 2	Palaemonetes pugio	0.0
Middle	Period 2	Hydrobiidae	4753.6
Middle	Period 2	Stenoninereis martini	2173.7
Middle	Period 2	Melanoides tuberculata	2171.7
Middle	Period 2	Naididae	1603.3
Middle	Period 2	Pyrgophorus platyrachis	1591.7
Middle	Period 2	Laeonereis culveri	1203.1
Middle	Period 2	Limnodrilus hoffmeisteri	925.0
Middle	Period 2	Corbicula fluminea	805.6

Middle	Period 2	Thalassodrilides gurwitschi	516.7
Middle	Period 2	Chironomus sp.	500.0
Middle	Period 2	Polydora cornuta sp. complex	425.0
Middle	Period 2	Mytilopsis leucophaeata	300.0
Middle	Period 2	Cryptochironomus sp.	290.0
Middle	Period 2	Streblospio sp.	275.0
Middle	Period 2	Polypedilum halterale grp.	235.0
Middle	Period 2	Sphaeroma terebrans	200.0
Middle	Period 2	Laeonereis cf. longula	166.7
Middle	Period 2	Trichoptera	162.5
Middle	Period 2	Grandidierella bonnieroides	155.0
Middle	Period 2	Ablabesmyia sp.	150.0
Middle	Period 2	Dicrotendipes lobus	125.0
Middle	Period 2	Almyracuma bacescui	100.0
Middle	Period 2	Asheum beckae	100.0
Middle	Period 2	Ceratopogonide	91.7
Middle	Period 2	Procladius (Holotanypus) sp.	91.7
Middle	Period 2	Caenis sp.	75.0
Middle	Period 2	Cyrenoida floridana	75.0
Middle	Period 2	Erpobdella punctata	75.0
Middle	Period 2	Oecetis inconspicua complex	75.0
Middle	Period 2	Pisidium punctiferum	75.0
Middle	Period 2	Cassidinidea ovalis	65.0
Middle	Period 2	Oecetis sp.	62.5
Middle	Period 2	Polypedilum scalaenum grp.	62.5
Middle	Period 2	Rhithropanopeus harrisi	58.3
Middle	Period 2	Ampelisca abdita	50.0
Middle	Period 2	Chaoborus sp.	50.0
Middle	Period 2	Cladopelma sp.	50.0
Middle	Period 2	Cricotopus bicinctus	50.0
Middle	Period 2	Daphnia sp.	50.0
Middle	Period 2	Gastropoda	50.0
Middle	Period 2	Hyalella azteca	50.0
Middle	Period 2	Pristina (Pristinella) sp.	50.0
Middle	Period 2	Tanytarsus sp. G of Epler, 2001	50.0
Middle	Period 2	Dipolydora/Boccardiella grp.	37.5
Middle	Period 2	Ficopomatus sp.	37.5
Middle	Period 2	Nemertea	37.5
Middle	Period 2	Dicrotendipes sp.	31.2
Middle	Period 2	Alitta succinea	25.0
Middle	Period 2	Ampelisca sp.	25.0
Middle	Period 2	Astyris lunata	25.0
Middle	Period 2	Bezzia/Palpomyia grp.	25.0
Middle	Period 2	Bocardiella sp.	25.0
Middle	Period 2	Capitella capitata sp. complex	25.0
Middle	Period 2	Chironomidae	25.0
Middle	Period 2	Cirolana parva	25.0
Middle	Period 2	Cyclaspis varians	25.0
Middle	Period 2	Dero nivea	25.0
Middle	Period 2	Dero obtusa	25.0
Middle	Period 2	Enchytraeidae	25.0
Middle	Period 2	Ferrissia cf. hendersoni	25.0
Middle	Period 2	Ficopomatus miamiensis	25.0
Middle	Period 2	Hargeria rapax	25.0
Middle	Period 2	Ischadium recurvum	25.0
Middle	Period 2	Libellulidae	25.0
Middle	Period 2	Melinna maculata	25.0

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Middle	Period 2	Odonata	25.0
Middle	Period 2	Odostomiinae	25.0
Middle	Period 2	Orchestia sp.	25.0
Middle	Period 2	Panopeidae	25.0
Middle	Period 2	Probezzia sp.	25.0
Middle	Period 2	Rhabditophora sp.	25.0
Middle	Period 2	Sparganophilus sp.	25.0
Middle	Period 2	Streblospio benedicti	25.0
Middle	Period 2	Tubificidae w/o hair	25.0
Lower	Period 2	Pyrgophorus platyrachis	4356.2
Lower	Period 2	Streblospio sp.	3475.0
Lower	Period 2	Laeonereis culveri	2984.1
Lower	Period 2	Naididae	1364.3
Lower	Period 2	Mytilopsis leucophaeata	1194.4
Lower	Period 2	Corbicula fluminea	1108.3
Lower	Period 2	Dicrotendipes neomodestus	1000.0
Lower	Period 2	Stenonereis martini	876.8
Lower	Period 2	Streblospio gynobranchiata	675.0
Lower	Period 2	Grandidierella bonnieroides	645.5
Lower	Period 2	Brachyura sp.	412.5
Lower	Period 2	Almyracuma bacescui	366.7
Lower	Period 2	Melanoides tuberculata	345.8
Lower	Period 2	Cyclaspis varians	275.0
Lower	Period 2	Polypedilum halterale grp.	243.8
Lower	Period 2	Cyathura polita	193.8
Lower	Period 2	Limnodrilus hoffmeisteri	191.7
Lower	Period 2	Rhithropanopeus harrisii	175.0
Lower	Period 2	Cryptochironomus sp.	166.7
Lower	Period 2	Asheum beckae	162.5
Lower	Period 2	Capitella capitata sp. complex	150.0
Lower	Period 2	Tubificidae w/o hair	125.0
Lower	Period 2	Polypedilum scalaenum grp.	120.0
Lower	Period 2	Thalassodrilides gurwitschi	112.5
Lower	Period 2	Chironomus sp.	106.2
Lower	Period 2	Procladius (Holotanypus) sp.	100.0
Lower	Period 2	Ablabesmyia sp.	87.5
Lower	Period 2	Hydrobiidae	85.0
Lower	Period 2	Mysidae	75.0
Lower	Period 2	Polydora cornuta sp. complex	75.0
Lower	Period 2	Streblospio benedicti	75.0
Lower	Period 2	Edotia triloba	62.5
Lower	Period 2	Ablabesmyia rhamphe grp.	50.0
Lower	Period 2	Cassidinidea ovalis	50.0
Lower	Period 2	Chaoborus sp.	50.0
Lower	Period 2	Dicrotendipes simpsoni	50.0
Lower	Period 2	Djalmabatista sp.	50.0
Lower	Period 2	Kirkegaardia sp.	50.0
Lower	Period 2	Littoridinops palustris	50.0
Lower	Period 2	Tanytus sp.	50.0
Lower	Period 2	Laeonereis cf. longula	41.7
Lower	Period 2	Panopeidae	37.5
Lower	Period 2	Ablabesmyia mallochi	25.0
Lower	Period 2	Alitta succinea	25.0
Lower	Period 2	Boccardiella ligérica	25.0
Lower	Period 2	Carazziella hobsonae	25.0
Lower	Period 2	Chironomidae	25.0
Lower	Period 2	Collembola	25.0

Lower	Period 2	Cyrenellus fraternus	25.0
Lower	Period 2	Dipolydora/Boccardiella grp.	25.0
Lower	Period 2	Djalmabatista pulcher variant	25.0
Lower	Period 2	Erpobdella punctata	25.0
Lower	Period 2	Gastropoda	25.0
Lower	Period 2	Glottidia pyramidata	25.0
Lower	Period 2	Goeldichironomus sp.	25.0
Lower	Period 2	Leitoscoloplos sp.	25.0
Lower	Period 2	Leptoceridae	25.0
Lower	Period 2	Littoridinops sp.	25.0
Lower	Period 2	Melinna maculata	25.0
Lower	Period 2	Nanocladius sp.	25.0
Lower	Period 2	Nemertea	25.0
Lower	Period 2	Oecetis inconspicua complex	25.0
Lower	Period 2	Oecetis sp.	25.0
Lower	Period 2	Paraprionospio sp.	25.0
Lower	Period 2	Polydora sp.	25.0
Lower	Period 2	Polymesoda caroliniana	25.0
Lower	Period 2	Polypedilum sp.	25.0
Lower	Period 2	Rudilemboides naglei	25.0
Lower	Period 2	Sphaeroma terebrans	25.0
Lower	Period 2	Trichoptera	25.0
Downstream	Period 2	Polypedilum halterale grp.	3137.5
Downstream	Period 2	Grandidierella bonnieroides	2968.9
Downstream	Period 2	Polydora websteri	2690.6
Downstream	Period 2	Pyrgophorus platyrachis	2681.9
Downstream	Period 2	Kirkegaardia sp.	2610.9
Downstream	Period 2	Streblospio sp.	2313.9
Downstream	Period 2	Laeonereis culveri	1729.5
Downstream	Period 2	Littoridinops palustris	1581.2
Downstream	Period 2	Stenoninereis martini	1471.6
Downstream	Period 2	Streblospio gynobranchiata	1406.2
Downstream	Period 2	Melita elongata	1337.5
Downstream	Period 2	Hargeria/Leptochelia sp. complex	1321.7
Downstream	Period 2	Naididae	1191.2
Downstream	Period 2	Crepidula depressa	1155.6
Downstream	Period 2	Tubificoides brownae	1094.5
Downstream	Period 2	Amphibalanus improvisus	1017.9
Downstream	Period 2	Capitella capitata sp. complex	932.1
Downstream	Period 2	Ostrea equestris	925.0
Downstream	Period 2	Melinna maculata	915.7
Downstream	Period 2	Littoridinops monroensis	750.0
Downstream	Period 2	Hydroides sanctaecrucis	700.0
Downstream	Period 2	Arcuatula papyria	672.5
Downstream	Period 2	Paraprionospio sp.	659.4
Downstream	Period 2	Hourstonius laguna	625.0
Downstream	Period 2	Serpula sp.	625.0
Downstream	Period 2	Crassostrea virginica	560.7
Downstream	Period 2	Leitoscoloplos sp.	545.0
Downstream	Period 2	Amphibalanus eburneus	534.1
Downstream	Period 2	Amakusanthura magnifica	525.0
Downstream	Period 2	Melita longisetosa	500.0
Downstream	Period 2	Kurtiella planulata	450.0
Downstream	Period 2	Polypedilum sp.	445.4
Downstream	Period 2	Polydora cornuta sp. complex	443.8
Downstream	Period 2	Abra aequalis	441.7
Downstream	Period 2	Schistomeringos cf. rudolphi	434.4

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Downstream	Period 2	Dipolydora socialis	402.8
Downstream	Period 2	Laeonereis cf. longula	401.4
Downstream	Period 2	Limnodriloides sp.	400.0
Downstream	Period 2	Corbicula fluminea	395.3
Downstream	Period 2	Macoploma tenta	385.0
Downstream	Period 2	Melanoides tuberculata	382.6
Downstream	Period 2	Actiniaria	380.6
Downstream	Period 2	Boccardiella cf. hamata	375.0
Downstream	Period 2	Melita nitida complex	364.7
Downstream	Period 2	Mytilopsis leucophaeata	356.9
Downstream	Period 2	Polypedilum scalaenum grp.	354.0
Downstream	Period 2	Almyracuma bacescui	341.1
Downstream	Period 2	Minuspio perkinsi	337.5
Downstream	Period 2	Melita sp.	325.0
Downstream	Period 2	Dipolydora/Boccardiella grp.	300.0
Downstream	Period 2	Anthozoa sp.	296.4
Downstream	Period 2	Nereiphylla castanea	296.4
Downstream	Period 2	Streblospio benedicti	291.1
Downstream	Period 2	Aulophorus flabelliger	290.0
Downstream	Period 2	Thalassodrilides gurwitschi	270.0
Downstream	Period 2	Chironomus sp.	259.1
Downstream	Period 2	Procladius (Holotanypus) sp.	258.9
Downstream	Period 2	Amygdalum papyrium	258.3
Downstream	Period 2	Ampelisca abdita	253.8
Downstream	Period 2	Capitella sp.	253.6
Downstream	Period 2	Palaeonemertea	250.0
Downstream	Period 2	Vitrinella floridana	246.7
Downstream	Period 2	Prionospio perkinsi	241.7
Downstream	Period 2	Monticellina dorsobranchialis	240.0
Downstream	Period 2	Kelliopsis cf. texasiana	237.5
Downstream	Period 2	Rissooidea sp. B of EPC	237.5
Downstream	Period 2	Acromegalomma pigmentum	225.0
Downstream	Period 2	Alpheus sp.	225.0
Downstream	Period 2	Hemipholis cordifera	225.0
Downstream	Period 2	Hobsonia florida	218.9
Downstream	Period 2	Mulinia lateralis	216.0
Downstream	Period 2	Amphibalanus spp.	208.3
Downstream	Period 2	Aricidea (Acmira) taylori	200.0
Downstream	Period 2	Mediomastus cf. californiensis	200.0
Downstream	Period 2	Tubificoides motei	196.9
Downstream	Period 2	Brachyura sp.	195.0
Downstream	Period 2	Ameritella cf. mitchelli	192.9
Downstream	Period 2	Ampelisca holmesii	187.5
Downstream	Period 2	Apocorophium louisianum	185.7
Downstream	Period 2	Scoloplos rubra	185.0
Downstream	Period 2	Polydora sp.	184.1
Downstream	Period 2	Lumbrineris nonatoi	175.0
Downstream	Period 2	Turbonilla cf. arnoldoi	175.0
Downstream	Period 2	Mysella planulata	164.3
Downstream	Period 2	Cryptochironomus sp.	163.8
Downstream	Period 2	Sphenia fragilis	159.4
Downstream	Period 2	Littoridinops sp.	150.0
Downstream	Period 2	Cyathura polita	146.3
Downstream	Period 2	Boonea impressa	145.0
Downstream	Period 2	Podarkeopsis levifuscina	144.4
Downstream	Period 2	Polymesoda caroliniana	142.9
Downstream	Period 2	Mediomastus sp.	140.6

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Downstream	Period 2	Nemertea	140.4
Downstream	Period 2	Piromis roberti	140.0
Downstream	Period 2	Leitoscoloplos foliosus	139.3
Downstream	Period 2	Leodamas rubrus	137.5
Downstream	Period 2	Ficopomatus miamiensis	134.4
Downstream	Period 2	Paraprionospio yokoyamai	134.2
Downstream	Period 2	Gammarida sp.	129.2
Downstream	Period 2	Dero nivea	125.0
Downstream	Period 2	Hydrobiidae	125.0
Downstream	Period 2	Tanypodinae	125.0
Downstream	Period 2	Alitta succinea	119.6
Downstream	Period 2	Ficopomatus sp.	118.8
Downstream	Period 2	Sphaerium sp.	116.7
Downstream	Period 2	Parahesione luteola	115.8
Downstream	Period 2	Goeldichironomus sp.	112.5
Downstream	Period 2	Kirsteueriella cf. biocellata	110.7
Downstream	Period 2	Mediomastus cf. ambiseta	110.7
Downstream	Period 2	Branchiomma sp.	108.3
Downstream	Period 2	Sigambra tentaculata	107.1
Downstream	Period 2	Ablabesmyia sp.	100.0
Downstream	Period 2	Asheum beckae	100.0
Downstream	Period 2	Balanidae	100.0
Downstream	Period 2	Cerebratulus lacteus	100.0
Downstream	Period 2	Diadumene cf. lineata	100.0
Downstream	Period 2	Djalmabatista sp.	100.0
Downstream	Period 2	Ischadium recurvum	100.0
Downstream	Period 2	Odostomiinae	100.0
Downstream	Period 2	Turbonilla hemphilli	100.0
Downstream	Period 2	Uromunna reynoldsi	100.0
Downstream	Period 2	Haminoea succinea	97.2
Downstream	Period 2	Hargeria rapax	97.2
Downstream	Period 2	Xanthoidea	94.4
Downstream	Period 2	Tanytarsus sp. G of Epler, 2001	91.7
Downstream	Period 2	Heteromastus sp.	89.1
Downstream	Period 2	Ficopomatus uschakovi	87.5
Downstream	Period 2	Rhithropanopeus harrisi	85.5
Downstream	Period 2	Cyclaspis varians	85.4
Downstream	Period 2	Eurypanopeus dissimilis	83.3
Downstream	Period 2	Spionidae	83.3
Downstream	Period 2	Capitella jonesi	79.7
Downstream	Period 2	Edotia triloba	78.1
Downstream	Period 2	Eteone heteropoda	76.1
Downstream	Period 2	Caryocorbula cf. contracta	75.0
Downstream	Period 2	Kinbergonuphis simoni	75.0
Downstream	Period 2	Monocorophium acherusicum	75.0
Downstream	Period 2	Palaeonemertea sp. A of EPC	75.0
Downstream	Period 2	Phrontis vibex	75.0
Downstream	Period 2	Acteocina canaliculata	72.7
Downstream	Period 2	Djalmabatista pulcher variant	70.0
Downstream	Period 2	Hypereteone heteropoda	69.4
Downstream	Period 2	Leptochelia sp.	69.4
Downstream	Period 2	Paranais litoralis	68.8
Downstream	Period 2	Phyllodoce arenae	66.7
Downstream	Period 2	Panopeidae	65.5
Downstream	Period 2	Parasabella sp.	65.0
Downstream	Period 2	Carazziella hobsonae	64.3
Downstream	Period 2	Euplana gracilis	62.5

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Downstream	Period 2	Pseudopotamilla fitzhughii	62.5
Downstream	Period 2	Serpulidae	62.5
Downstream	Period 2	Tellinidae	62.5
Downstream	Period 2	Thalassodrilides ineri	62.5
Downstream	Period 2	Chironomidae	61.1
Downstream	Period 2	Stylochus ellipticus	60.7
Downstream	Period 2	Clymenella torquata	58.3
Downstream	Period 2	Pinnotheridae	58.3
Downstream	Period 2	Spiochaetopterus oculatus	58.3
Downstream	Period 2	Stenochironomus sp.	58.3
Downstream	Period 2	Teinostoma biscaynense	58.3
Downstream	Period 2	Tubificidae w/o hair	58.3
Downstream	Period 2	Tubificoides/Tectidrilus with papillae	58.3
Downstream	Period 2	Erpobdella punctata	53.1
Downstream	Period 2	Ablabesmyia (Karelia) sp.	50.0
Downstream	Period 2	Alpheus armillatus	50.0
Downstream	Period 2	Aricidea (Acmira) philbinae	50.0
Downstream	Period 2	Aricidea sp.	50.0
Downstream	Period 2	Asthenothaerus hemphilli	50.0
Downstream	Period 2	Astyris lunata	50.0
Downstream	Period 2	Brania nitidula	50.0
Downstream	Period 2	Capitella sp. A of EPC	50.0
Downstream	Period 2	Cirripedia	50.0
Downstream	Period 2	Eupleura caudata	50.0
Downstream	Period 2	Hydroides dianthus	50.0
Downstream	Period 2	Labrundinia pilosella	50.0
Downstream	Period 2	Libellulidae	50.0
Downstream	Period 2	Nereis sp. A	50.0
Downstream	Period 2	Paralauterborniella nigrohalteralis	50.0
Downstream	Period 2	Paraonidae	50.0
Downstream	Period 2	Parvanachis obesa	50.0
Downstream	Period 2	Pileolaria sp.	50.0
Downstream	Period 2	Tubulanus pellucidus	50.0
Downstream	Period 2	Cassidinidea ovalis	46.4
Downstream	Period 2	Tagelus plebeius	45.3
Downstream	Period 2	Dicrotendipes neomodestus	45.0
Downstream	Period 2	Glycinde multidentis	45.0
Downstream	Period 2	Nais variabilis	43.8
Downstream	Period 2	Oxydromus obscurus	43.8
Downstream	Period 2	Ampelisca sp.	42.9
Downstream	Period 2	Ameritella cf. versicolor	41.7
Downstream	Period 2	Ficopomatus enigmaticus	41.7
Downstream	Period 2	Pectinaria gouldii	41.7
Downstream	Period 2	Odontosyllis enopla	40.0
Downstream	Period 2	Sigambra bassi	40.0
Downstream	Period 2	Polydora cornuta	39.3
Downstream	Period 2	Americamysis stucki	37.5
Downstream	Period 2	Coelotanypus sp.	37.5
Downstream	Period 2	Gammarus mucronatus	37.5
Downstream	Period 2	Glycera americana	37.5
Downstream	Period 2	Marphysa sp. A of EPC	37.5
Downstream	Period 2	Oxyurostylis smithi	37.5
Downstream	Period 2	Parasabella microphthalma	37.5
Downstream	Period 2	Phoronis sp.	37.5
Downstream	Period 2	Tagelus sp.	37.5
Downstream	Period 2	Zygonemertes virescens	37.5
Downstream	Period 2	Fragilonemertes rosea	35.0

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Downstream	Period 2	Haminoea antillarum	35.0
Downstream	Period 2	Bivalvia	33.3
Downstream	Period 2	Dicrotendipes sp.	33.3
Downstream	Period 2	Hydroides protulicola	33.3
Downstream	Period 2	Japonactaeon punctostriatus	33.3
Downstream	Period 2	Procladius sp.	33.3
Downstream	Period 2	Ceratopogonide	31.2
Downstream	Period 2	Diopatra cuprea	31.2
Downstream	Period 2	Scolecopsis texana	31.2
Downstream	Period 2	Syllis cf. maryae	31.2
Downstream	Period 2	Ampelisca vadorum	30.0
Downstream	Period 2	Chaoborus sp.	30.0
Downstream	Period 2	Paracaprella tenuis	30.0
Downstream	Period 2	Gastropoda	27.8
Downstream	Period 2	Aeolidioidea	25.0
Downstream	Period 2	Aglaophamus verrilli	25.0
Downstream	Period 2	Americamysis almyra	25.0
Downstream	Period 2	Amphibalanus cf. amphitrite	25.0
Downstream	Period 2	Amphibalanus venustus	25.0
Downstream	Period 2	Amphinomidae	25.0
Downstream	Period 2	Anadara transversa	25.0
Downstream	Period 2	Ancistrosyllis jonesi	25.0
Downstream	Period 2	Anoplodactylus sp.	25.0
Downstream	Period 2	Anthopleura sp.	25.0
Downstream	Period 2	Aphylla williamsoni	25.0
Downstream	Period 2	Ascidacea	25.0
Downstream	Period 2	Austromacoma constricta	25.0
Downstream	Period 2	Branchiostoma floridae	25.0
Downstream	Period 2	Caenis sp.	25.0
Downstream	Period 2	Ceriantharia	25.0
Downstream	Period 2	Cerithiopsis fusiformis	25.0
Downstream	Period 2	Chaetognatha	25.0
Downstream	Period 2	Cirolana parva	25.0
Downstream	Period 2	Cirratulidae	25.0
Downstream	Period 2	Cirriformia sp. A of Wolf, 1984	25.0
Downstream	Period 2	Collembola	25.0
Downstream	Period 2	Corophiidae	25.0
Downstream	Period 2	Crustipellis tribranchiata	25.0
Downstream	Period 2	Ensis megistus coseli	25.0
Downstream	Period 2	Entomobryidae	25.0
Downstream	Period 2	Ephemeroptera	25.0
Downstream	Period 2	Eupleura tampaensis	25.0
Downstream	Period 2	Exogone dispar	25.0
Downstream	Period 2	Fargoa cf. gibbosa	25.0
Downstream	Period 2	Glottidia pyramidata	25.0
Downstream	Period 2	Haloclava cf. producta	25.0
Downstream	Period 2	Hebetancylus excentricus	25.0
Downstream	Period 2	Heteronemertea	25.0
Downstream	Period 2	Holothuroidea	25.0
Downstream	Period 2	Hyalella azteca	25.0
Downstream	Period 2	Hyalella sp.	25.0
Downstream	Period 2	Hydroides sp. A of EPC	25.0
Downstream	Period 2	Lasaeidae	25.0
Downstream	Period 2	Limnodrilus hoffmeisteri	25.0
Downstream	Period 2	Limulus polyphemus	25.0
Downstream	Period 2	Lysilla sp.	25.0
Downstream	Period 2	Magelona pettiboneae	25.0

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Downstream	Period 2	Maldane cf. sarsi	25.0
Downstream	Period 2	Maldanidae	25.0
Downstream	Period 2	Melongena corona	25.0
Downstream	Period 2	Membranipora cf. arborescens	25.0
Downstream	Period 2	Microphiopholis atra	25.0
Downstream	Period 2	Mytilidae	25.0
Downstream	Period 2	Nais communis sp. complex	25.0
Downstream	Period 2	Neogypsis crypta	25.0
Downstream	Period 2	Notomastus hemipodus	25.0
Downstream	Period 2	Odonata	25.0
Downstream	Period 2	Oecetis sp.	25.0
Downstream	Period 2	Ophiuroidea	25.0
Downstream	Period 2	Orobitella floridana	25.0
Downstream	Period 2	Oxyurostylis lecroyae	25.0
Downstream	Period 2	Parastarte triquetra	25.0
Downstream	Period 2	Pentamera cf. pulcherrima	25.0
Downstream	Period 2	Petrolisthes armatus	25.0
Downstream	Period 2	Phascolion (Lesenka) cryptum	25.0
Downstream	Period 2	Pinnixa sp.	25.0
Downstream	Period 2	Pinnixulala retinens	25.0
Downstream	Period 2	Pista palmata	25.0
Downstream	Period 2	Prionospio heterobranchia	25.0
Downstream	Period 2	Pristina (Pristinella) sp.	25.0
Downstream	Period 2	Rissooidea	25.0
Downstream	Period 2	Sabellidae	25.0
Downstream	Period 2	Sinelobus stanfordi	25.0
Downstream	Period 2	Syllis gracilis	25.0
Downstream	Period 2	Tagelus divisus	25.0
Downstream	Period 2	Tanytarsus sp.	25.0
Downstream	Period 2	Tectonatica pusilla	25.0
Downstream	Period 2	Tergipedidae	25.0
Downstream	Period 2	Tetrastemma candidum	25.0
Downstream	Period 2	Trichoptera	25.0
Downstream	Period 2	Tubificoides sp.	25.0
Downstream	Period 2	Xenanthura brevitelson	25.0
Downstream	Period 2	Conopeum cf. seurati	13.0
Downstream	Period 2	Biflustra arborescens	1.0
Downstream	Period 2	Campanulariidae	1.0
Downstream	Period 2	Cheilostomatida	1.0
Downstream	Period 2	Cliona sp.	1.0
Downstream	Period 2	Hippoporina indica	1.0
Downstream	Period 2	Hydrozoa	1.0
Downstream	Period 2	Membranipora sp.	1.0
Upper	Period 3	Hyalella azteca	7050.0
Upper	Period 3	Melanoides tuberculata	3700.0
Upper	Period 3	Cassidinidea ovalis	2229.2
Upper	Period 3	Hydrobiidae	1850.0
Upper	Period 3	Pyrgophorus platyrachis	1825.0
Upper	Period 3	Anopsilana jonesi	1400.0
Upper	Period 3	Naididae	1328.6
Upper	Period 3	Mytilopsis leucophaeata	1091.7
Upper	Period 3	Boccardiella ligérica	1075.0
Upper	Period 3	Gloiobdella elongata	1000.0
Upper	Period 3	Corbicula fluminea	593.8
Upper	Period 3	Helobdella stagnalis	550.0
Upper	Period 3	Dicrotendipes sp.	483.3
Upper	Period 3	Chironomus sp.	387.5

Upper	Period 3	Limnodrilus hoffmeisteri	335.0
Upper	Period 3	Goeldichironomus sp.	300.0
Upper	Period 3	Spionidae	300.0
Upper	Period 3	Sphaeroma terebrans	275.0
Upper	Period 3	Polypedilum halterale grp.	266.7
Upper	Period 3	Procladius (Holotanypus) sp.	262.5
Upper	Period 3	Chaoborus sp.	250.0
Upper	Period 3	Polypedilum sp.	250.0
Upper	Period 3	Hyalella sp.	225.0
Upper	Period 3	Parachironomus tenuicaudatus	225.0
Upper	Period 3	Stenochironomus sp.	200.0
Upper	Period 3	Pisidium sp.	175.0
Upper	Period 3	Ablabesmyia rhamphe grp.	160.0
Upper	Period 3	Cryptochironomus sp.	150.0
Upper	Period 3	Parachironomus directus	150.0
Upper	Period 3	Parachironomus sp.	150.0
Upper	Period 3	Streblospio gynobranchiata	137.5
Upper	Period 3	Grandidierella bonnieroides	125.0
Upper	Period 3	Tarebia granifera	125.0
Upper	Period 3	Asheum beckae	112.5
Upper	Period 3	Amphibalanus venustus	100.0
Upper	Period 3	Thalassodrilides gurwitschi	100.0
Upper	Period 3	Stenoninereis martini	91.7
Upper	Period 3	Uromunna reynoldsi	91.7
Upper	Period 3	Dero pectinata	87.5
Upper	Period 3	Dicrotendipes neomodestus	75.0
Upper	Period 3	Euhirudinea sp.	75.0
Upper	Period 3	Gastropoda	75.0
Upper	Period 3	Paranais litoralis	75.0
Upper	Period 3	Polydora cornuta sp. complex	75.0
Upper	Period 3	Ceratopogonide	68.8
Upper	Period 3	Oecetis nocturna	62.5
Upper	Period 3	Chironomidae	54.2
Upper	Period 3	Aphylla williamsoni	50.0
Upper	Period 3	Arhynchobdellida sp.	50.0
Upper	Period 3	Bratislavia unidentata	50.0
Upper	Period 3	Parachironomus carinatus	50.0
Upper	Period 3	Peltodytes sp.	50.0
Upper	Period 3	Oecetis sp.	37.5
Upper	Period 3	Ablabesmyia sp.	25.0
Upper	Period 3	Aoridae sp.	25.0
Upper	Period 3	Apedilum sp.	25.0
Upper	Period 3	Chaoborus punctipennis	25.0
Upper	Period 3	Cirolana cf. jonesi	25.0
Upper	Period 3	Cladotanytarsus sp. F	25.0
Upper	Period 3	Coenagrionidae	25.0
Upper	Period 3	Cryptotendipes sp.	25.0
Upper	Period 3	Cyrrnellus fraternus	25.0
Upper	Period 3	Enallagma sp.	25.0
Upper	Period 3	Enchytraeidae	25.0
Upper	Period 3	Ephemeroptera	25.0
Upper	Period 3	Eudendrium sp.	25.0
Upper	Period 3	Glossiphoniidae sp.	25.0
Upper	Period 3	Hydroptila sp.	25.0
Upper	Period 3	Hydrozoa	25.0
Upper	Period 3	Isopoda	25.0
Upper	Period 3	Laeonereis culveri	25.0

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Upper	Period 3	Libellulidae	25.0
Upper	Period 3	Melinna maculata	25.0
Upper	Period 3	Nemertea	25.0
Upper	Period 3	Polycladida sp.	25.0
Upper	Period 3	Pristina leidy	25.0
Upper	Period 3	Pristina sp.	25.0
Upper	Period 3	Procladius sp.	25.0
Upper	Period 3	Rhithropanopeus harrisii	25.0
Upper	Period 3	Tanytarsus sp. G	25.0
Upper	Period 3	Zygoptera	25.0
Middle	Period 3	Stenonereis martini	2308.3
Middle	Period 3	Melanoides tuberculata	1618.8
Middle	Period 3	Laeonereis culveri	1312.5
Middle	Period 3	Pyrgophorus platyrachis	987.5
Middle	Period 3	Mytilopsis leucophaeata	952.8
Middle	Period 3	Polydora cornuta sp. complex	625.0
Middle	Period 3	Chironomus sp.	446.9
Middle	Period 3	Ablabesmyia rhamphe grp.	400.0
Middle	Period 3	Hydrobiidae	400.0
Middle	Period 3	Chaoborus sp.	291.7
Middle	Period 3	Tarebia granifera	250.0
Middle	Period 3	Grandidierella bonnieroides	208.3
Middle	Period 3	Naididae	208.3
Middle	Period 3	Dicrotendipes sp.	170.0
Middle	Period 3	Panopeidae	150.0
Middle	Period 3	Polypedilum halterale grp.	150.0
Middle	Period 3	Streblospio gynobranchiata	143.8
Middle	Period 3	Corbicula fluminea	137.5
Middle	Period 3	Rhithropanopeus harrisii	125.0
Middle	Period 3	Boccardiella ligetica	100.0
Middle	Period 3	Nereis sp. A	100.0
Middle	Period 3	Tanytarsus sp. G of Epler, 2001	83.3
Middle	Period 3	Cassidinidea ovalis	62.5
Middle	Period 3	Chironomidae	62.5
Middle	Period 3	Cryptochironomus sp.	50.0
Middle	Period 3	Cryptotendipes sp.	50.0
Middle	Period 3	Dicrotendipes neomodestus	50.0
Middle	Period 3	Monopylephorus rubroniveus	50.0
Middle	Period 3	Parachironomus frequens	50.0
Middle	Period 3	Polypedilum scalaenum grp.	50.0
Middle	Period 3	Procladius (Holotanypus) sp.	50.0
Middle	Period 3	Aphylla williamsoni	37.5
Middle	Period 3	Ablabesmyia sp.	25.0
Middle	Period 3	Alitta succinea	25.0
Middle	Period 3	Anopsilana jonesi	25.0
Middle	Period 3	Edotia triloba	25.0
Middle	Period 3	Erpobdella punctata	25.0
Middle	Period 3	Eudendrium sp.	25.0
Middle	Period 3	Euhirudinea sp.	25.0
Middle	Period 3	Ficopomatus miamiensis	25.0
Middle	Period 3	Gammarida sp.	25.0
Middle	Period 3	Gastropoda	25.0
Middle	Period 3	Hargeria/Leptochelia sp. complex	25.0
Middle	Period 3	Hyalella azteca	25.0
Middle	Period 3	Hyalella sp.	25.0
Middle	Period 3	Hydroptilidae	25.0
Middle	Period 3	Laeonereis cf. longula	25.0

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Middle	Period 3	Limnodrilus hoffmeisteri	25.0
Middle	Period 3	Melita nitida complex	25.0
Middle	Period 3	Minuspio perkinsi	25.0
Middle	Period 3	Mysella planulata	25.0
Middle	Period 3	Nemertea	25.0
Middle	Period 3	Oecetis nocturna	25.0
Middle	Period 3	Oxyurostylis smithi	25.0
Middle	Period 3	Tagelus plebeius	25.0
Lower	Period 3	Streblospio gynobranchiata	5390.0
Lower	Period 3	Stenoninereis martini	1722.2
Lower	Period 3	Laeonereis cf. longula	1450.0
Lower	Period 3	Laeonereis culveri	1415.0
Lower	Period 3	Grandidierella bonnieroides	1278.6
Lower	Period 3	Melanoides tuberculata	843.8
Lower	Period 3	Chironomus sp.	731.2
Lower	Period 3	Polydora sp.	550.0
Lower	Period 3	Almyracuma bacescui	400.0
Lower	Period 3	Pyrgophorus platyrachis	350.0
Lower	Period 3	Polydora cornuta sp. complex	325.0
Lower	Period 3	Hydrobiidae	208.3
Lower	Period 3	Mytilopsis leucophaeata	204.2
Lower	Period 3	Amphibalanus spp.	175.0
Lower	Period 3	Tagelus plebeius	150.0
Lower	Period 3	Nemertea	112.5
Lower	Period 3	Ficopomatus sp.	75.0
Lower	Period 3	Limnodriloides sp.	75.0
Lower	Period 3	Chaoborus sp.	50.0
Lower	Period 3	Dicrotendipes sp.	50.0
Lower	Period 3	Panopeidae	37.5
Lower	Period 3	Rhithropanopeus harrisii	37.5
Lower	Period 3	Edotia triloba	33.3
Lower	Period 3	Cassidinidea ovalis	25.0
Lower	Period 3	Cerapus sp. C of LeCroy, 2007	25.0
Lower	Period 3	Chironomidae	25.0
Lower	Period 3	Dicrotendipes neomodestus	25.0
Lower	Period 3	Dubiraphia sp.	25.0
Lower	Period 3	Ephemeroptera	25.0
Lower	Period 3	Gammarus sp.	25.0
Lower	Period 3	Hyalella sp.	25.0
Lower	Period 3	Leitoscoloplos foliosus	25.0
Lower	Period 3	Melita nitida complex	25.0
Lower	Period 3	Onuphidae sp.	25.0
Lower	Period 3	Polymesoda caroliniana	25.0
Lower	Period 3	Psychodidae	25.0
Downstream	Period 3	Grandidierella bonnieroides	3970.2
Downstream	Period 3	Leptochelia sp.	3075.0
Downstream	Period 3	Monticellina dorsobranchialis	2188.3
Downstream	Period 3	Streblospio gynobranchiata	1968.5
Downstream	Period 3	Mytilopsis leucophaeata	1930.7
Downstream	Period 3	Laeonereis culveri	1760.2
Downstream	Period 3	Naididae	1446.5
Downstream	Period 3	Laeonereis cf. longula	1270.0
Downstream	Period 3	Littoridinops sp.	1241.7
Downstream	Period 3	Ampelisca abdita	1186.2
Downstream	Period 3	Kirkegaardia sp.	1085.0
Downstream	Period 3	Streblospio sp.	1075.0
Downstream	Period 3	Hargeria/Leptochelia sp. complex	1065.5

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Downstream	Period 3	Stenoninereis martini	1061.1
Downstream	Period 3	Mysella planulata	972.2
Downstream	Period 3	Melita nitida complex	837.5
Downstream	Period 3	Paranaïs litoralis	828.6
Downstream	Period 3	Limnodriloides sp.	768.9
Downstream	Period 3	Polydora cornuta	758.3
Downstream	Period 3	Littoridinops palustris	662.5
Downstream	Period 3	Melanoides tuberculata	593.4
Downstream	Period 3	Rissooidea sp. B of EPC	587.5
Downstream	Period 3	Chironomus sp.	554.5
Downstream	Period 3	Gammarida sp.	532.4
Downstream	Period 3	Aricidea (Acmira) taylori	519.1
Downstream	Period 3	Capitella capitata sp. complex	511.7
Downstream	Period 3	Almyracuma bacescui	487.9
Downstream	Period 3	Tubificoides brownae	452.0
Downstream	Period 3	Abra aequalis	438.9
Downstream	Period 3	Monocorophium acherusicum	400.0
Downstream	Period 3	Dicrotendipes lobus	387.5
Downstream	Period 3	Cyathura polita	385.0
Downstream	Period 3	Melinna maculata	384.9
Downstream	Period 3	Nereis pelagica occidentalis	375.0
Downstream	Period 3	Crassostrea virginica	325.0
Downstream	Period 3	Crepidula depressa	325.0
Downstream	Period 3	Dicrotendipes modestus	325.0
Downstream	Period 3	Anthozoa sp.	305.6
Downstream	Period 3	Amphibalanus spp.	300.0
Downstream	Period 3	Capitella jonesi	258.9
Downstream	Period 3	Hydrobiidae	258.3
Downstream	Period 3	Amphibalanus subalbidus	250.0
Downstream	Period 3	Polydora cornuta sp. complex	247.9
Downstream	Period 3	Edotia triloba	240.8
Downstream	Period 3	Cerapus sp. C of LeCroy, 2007	231.2
Downstream	Period 3	Leodamas rubrus	225.0
Downstream	Period 3	Pyrgophorus platyrachis	216.7
Downstream	Period 3	Aricidea sp.	212.5
Downstream	Period 3	Palaeonemertea sp. A of EPC	212.5
Downstream	Period 3	Dipolydora socialis	206.2
Downstream	Period 3	Cyclostremiscus pentagonus	175.0
Downstream	Period 3	Minuspio perkinsi	175.0
Downstream	Period 3	Polydora websteri	175.0
Downstream	Period 3	Leitoscoloplos foliosus	168.2
Downstream	Period 3	Lumbrineris nonatoi	162.5
Downstream	Period 3	Macoploma tenta	162.5
Downstream	Period 3	Nereis sp. A	150.0
Downstream	Period 3	Aricidea (Acmira) philbinae	143.8
Downstream	Period 3	Acteocina canaliculata	140.9
Downstream	Period 3	Vitrinella floridana	135.7
Downstream	Period 3	Cyclaspis varians	130.0
Downstream	Period 3	Amphibalanus venustus	125.0
Downstream	Period 3	Nemertea	115.8
Downstream	Period 3	Hargeria rapax	113.9
Downstream	Period 3	Ampelisca sp.	112.5
Downstream	Period 3	Mulinia lateralis	112.5
Downstream	Period 3	Rhithropanopeus harrisi	108.8
Downstream	Period 3	Kurtiella planulata	108.3
Downstream	Period 3	Alitta succinea	107.5
Downstream	Period 3	Syllis gracilis	100.0

Downstream	Period 3	<i>Ampelisca holmesi</i>	95.0
Downstream	Period 3	<i>Polymesoda caroliniana</i>	95.0
Downstream	Period 3	<i>Apocorophium louisianum</i>	93.8
Downstream	Period 3	<i>Paracaprella tenuis</i>	92.9
Downstream	Period 3	<i>Sphenia fragilis</i>	89.3
Downstream	Period 3	<i>Actiniaria</i>	87.5
Downstream	Period 3	<i>Astyris lunata</i>	83.3
Downstream	Period 3	<i>Monopylephorus rubroniveus</i>	81.2
Downstream	Period 3	<i>Tagelus plebeius</i>	80.0
Downstream	Period 3	<i>Panopeidae</i>	79.5
Downstream	Period 3	<i>Paraprionospio yokoyamai</i>	76.4
Downstream	Period 3	<i>Amygdalum papyrium</i>	75.0
Downstream	Period 3	<i>Arenicola cristata</i>	75.0
Downstream	Period 3	<i>Enchytraeidae</i>	75.0
Downstream	Period 3	<i>Gammarus sp.</i>	75.0
Downstream	Period 3	<i>Paraehesione luteola</i>	75.0
Downstream	Period 3	<i>Hobsonia florida</i>	68.4
Downstream	Period 3	<i>Cyrenoida floridana</i>	65.0
Downstream	Period 3	<i>Polydora sp.</i>	64.3
Downstream	Period 3	<i>Phyllodoce arenae</i>	63.9
Downstream	Period 3	<i>Glottidia pyramidata</i>	62.5
Downstream	Period 3	<i>Heteromastus sp.</i>	62.5
Downstream	Period 3	<i>Podarkeopsis levifuscina</i>	61.1
Downstream	Period 3	<i>Hourstonius laguna</i>	59.4
Downstream	Period 3	<i>Dicrotendipes sp.</i>	56.2
Downstream	Period 3	<i>Scoloplos rubra</i>	55.0
Downstream	Period 3	<i>Asthenothaerus hemphilli</i>	50.0
Downstream	Period 3	<i>Boccardiella ligerica</i>	50.0
Downstream	Period 3	<i>Boonea impressa</i>	50.0
Downstream	Period 3	<i>Eupleura caudata</i>	50.0
Downstream	Period 3	<i>Hydroides dianthus</i>	50.0
Downstream	Period 3	<i>Marphysa sp. A of EPC</i>	50.0
Downstream	Period 3	<i>Oxydromus obscurus</i>	50.0
Downstream	Period 3	<i>Pinnotheridae</i>	50.0
Downstream	Period 3	<i>Pristina (Pristina) proboscidea</i>	50.0
Downstream	Period 3	<i>Sphaerosyllis taylori</i>	50.0
Downstream	Period 3	<i>Teinostoma biscaynense</i>	50.0
Downstream	Period 3	<i>Mediomastus cf. ambiseta</i>	47.2
Downstream	Period 3	<i>Sigambra bassi</i>	45.0
Downstream	Period 3	<i>Sigambra tentaculata</i>	45.0
Downstream	Period 3	<i>Ficopomatus miamiensis</i>	41.7
Downstream	Period 3	<i>Ficopomatus sp.</i>	41.7
Downstream	Period 3	<i>Eteone heteropoda</i>	40.0
Downstream	Period 3	<i>Carazziella hobsonae</i>	39.3
Downstream	Period 3	<i>Amphibalanus eburneus</i>	37.5
Downstream	Period 3	<i>Chironomidae</i>	37.5
Downstream	Period 3	<i>Ficopomatus uschakovi</i>	37.5
Downstream	Period 3	<i>Glycera americana</i>	37.5
Downstream	Period 3	<i>Prosobranchia sp.</i>	37.5
Downstream	Period 3	<i>Schistomeringos cf. rudolphi</i>	37.5
Downstream	Period 3	<i>Gastropoda</i>	36.1
Downstream	Period 3	<i>Glycinde multidentis</i>	33.3
Downstream	Period 3	<i>Tagelus divisus</i>	33.3
Downstream	Period 3	<i>Erpobdella punctata</i>	32.7
Downstream	Period 3	<i>Diopatra cuprea</i>	30.0
Downstream	Period 3	<i>Alpheus armillatus</i>	25.0
Downstream	Period 3	<i>Americamysis stucki</i>	25.0

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Downstream	Period 3	Anadara transversa	25.0
Downstream	Period 3	Anthoathecata sp.	25.0
Downstream	Period 3	Arcuatula papyria	25.0
Downstream	Period 3	Cassidinidea ovalis	25.0
Downstream	Period 3	Ceratopogonide	25.0
Downstream	Period 3	Cerebratulus lacteus	25.0
Downstream	Period 3	Chaoborus sp.	25.0
Downstream	Period 3	Collembola	25.0
Downstream	Period 3	Decapoda	25.0
Downstream	Period 3	Eudendrium sp.	25.0
Downstream	Period 3	Euhirudinea sp.	25.0
Downstream	Period 3	Ficopomatus enigmaticus	25.0
Downstream	Period 3	Gammarus mucronatus	25.0
Downstream	Period 3	Hyalella azteca	25.0
Downstream	Period 3	Hydroides sanctaecrucis	25.0
Downstream	Period 3	Leitoscoloplos sp.	25.0
Downstream	Period 3	Magelona pettiboneae	25.0
Downstream	Period 3	Melita elongata	25.0
Downstream	Period 3	Membranipora cf. arborescens	25.0
Downstream	Period 3	Neanthes micromma	25.0
Downstream	Period 3	Nephtys cryptomma	25.0
Downstream	Period 3	Oxyurostylis lecroyae	25.0
Downstream	Period 3	Parvanachis obesa	25.0
Downstream	Period 3	Pectinaria gouldii	25.0
Downstream	Period 3	Phoronis sp.	25.0
Downstream	Period 3	Phrontis vibex	25.0
Downstream	Period 3	Pinnixa sp.	25.0
Downstream	Period 3	Polypedilum illinoense grp.	25.0
Downstream	Period 3	Polypedilum scalaenum grp.	25.0
Downstream	Period 3	Prionospio heterobranchia	25.0
Downstream	Period 3	Pseudopotamilla fitzhughii	25.0
Downstream	Period 3	Scolecopsis texana	25.0
Downstream	Period 3	Sessilia sp.	25.0
Downstream	Period 3	Spiochaetopterus oculatus	25.0
Downstream	Period 3	Spionidae	25.0
Downstream	Period 3	Tanytarsus sp.	25.0
Downstream	Period 3	Tectonatica pusilla	25.0
Downstream	Period 3	Tellinidae	25.0
Downstream	Period 3	Turbonilla cf. conradi	25.0
Downstream	Period 3	Turbonilla hemphilli	25.0
Downstream	Period 3	Xanthoidea	25.0
Downstream	Period 3	Conopeum cf. seurati	5.8
Downstream	Period 3	Aeверrillia sp.	1.0
Downstream	Period 3	Biflustra arborescens	1.0
Downstream	Period 3	Campanulariidae sp. A of EPC	1.0
Downstream	Period 3	Hippoporina indica	1.0
Upper	Period 5	Tubificidae w/o hair	2034.3
Upper	Period 5	Stenoninereis martini	2000.0
Upper	Period 5	Opisthocystidae sp.	1528.0
Upper	Period 5	Cassidinidea ovalis	1509.3
Upper	Period 5	Clitellata w/proboscis	1456.5
Upper	Period 5	Limnodrilus hoffmeisteri	915.3
Upper	Period 5	Melanoides tuberculata	883.1
Upper	Period 5	Idoteidae	826.1
Upper	Period 5	Polypedilum halterale grp.	743.7
Upper	Period 5	Bivalvia	702.9
Upper	Period 5	Grandierella bonnieroides	673.9

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Upper	Period 5	Polypedilum scalaenum grp.	620.5
Upper	Period 5	Dicrotendipes neomodestus	450.6
Upper	Period 5	Tubificidae w/ hair	434.8
Upper	Period 5	Hyalella sp. C	391.3
Upper	Period 5	Ancylidae	391.3
Upper	Period 5	Pyrgophorus platyrachis	372.0
Upper	Period 5	Helobdella stagnalis	351.8
Upper	Period 5	Helobdella elongata	347.8
Upper	Period 5	Corbicula fluminea	344.2
Upper	Period 5	Ablabesmyia rhamphe grp.	321.7
Upper	Period 5	Pristina sp.	304.4
Upper	Period 5	Hyalella azteca	295.6
Upper	Period 5	Rhithropanopeus harrisii	292.3
Upper	Period 5	Larsia sp.	217.4
Upper	Period 5	Hydrobiidae	202.9
Upper	Period 5	Mytilopsis leucophaeata	202.9
Upper	Period 5	Procladius sp.	193.7
Upper	Period 5	Laeonereis culveri	178.7
Upper	Period 5	Dipolydora socialis	173.9
Upper	Period 5	Panopeidae	173.9
Upper	Period 5	Polypedilum sp.	173.9
Upper	Period 5	Bocardiella sp.	152.2
Upper	Period 5	Gastropoda	152.2
Upper	Period 5	Hydroptila sp.	152.2
Upper	Period 5	Chironomus sp.	130.4
Upper	Period 5	Dero sp.	130.4
Upper	Period 5	Dicrotendipes modestus	130.4
Upper	Period 5	Littoridinops palustris	130.4
Upper	Period 5	Littoridinops sp.	130.4
Upper	Period 5	Procladius (Holotanypus) sp.	115.9
Upper	Period 5	Dicrotendipes nervosus	101.5
Upper	Period 5	Ablabesmyia sp.	87.0
Upper	Period 5	Americamysis almyra	87.0
Upper	Period 5	Callibaetis sp.	87.0
Upper	Period 5	Cryptochironomus sp.	87.0
Upper	Period 5	Cyrmellus fraternus	87.0
Upper	Period 5	Helobdella papillata	87.0
Upper	Period 5	Polydora socialis	87.0
Upper	Period 5	Turbellaria	87.0
Upper	Period 5	Streblospio benedicti	72.5
Upper	Period 5	Oecetis inconspicua complex	65.2
Upper	Period 5	Bezzia/Palpomyia grp.	60.9
Upper	Period 5	Tanytarsus sp.	59.8
Upper	Period 5	Caenis diminuta	54.4
Upper	Period 5	Aphylla williamsoni	43.5
Upper	Period 5	Asheum beckae	43.5
Upper	Period 5	Branchiobdellidae	43.5
Upper	Period 5	Caenis sp.	43.5
Upper	Period 5	Chironomidae	43.5
Upper	Period 5	Chironomus decorus grp.	43.5
Upper	Period 5	Cladopelma sp.	43.5
Upper	Period 5	Cladotanytarsus sp.	43.5
Upper	Period 5	Clinotanypus sp.	43.5
Upper	Period 5	Collembola	43.5
Upper	Period 5	Cricotopus bicinctus	43.5
Upper	Period 5	Diptera	43.5
Upper	Period 5	Dubiraphia vittata	43.5

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Upper	Period 5	Edotia montosa	43.5
Upper	Period 5	Hirudinea	43.5
Upper	Period 5	Hydra sp.	43.5
Upper	Period 5	Leptoceridae	43.5
Upper	Period 5	Libellula incesta	43.5
Upper	Period 5	Libellulidae	43.5
Upper	Period 5	Nemertea	43.5
Upper	Period 5	Oecetis inconspicua	43.5
Upper	Period 5	Paranais sp.	43.5
Upper	Period 5	Sphaeroma terebrans	43.5
Upper	Period 5	Stenelmis sp.	43.5
Upper	Period 5	Stenochironomus sp.	43.5
Upper	Period 5	Tarebia granifera	43.5
Middle	Period 5	Amphibalanus subalbidus	3840.6
Middle	Period 5	Tubificidae w/o hair	2434.8
Middle	Period 5	Stenoninereis martini	1238.0
Middle	Period 5	Laeonereis culveri	913.0
Middle	Period 5	Mytilopsis leucophaeata	858.7
Middle	Period 5	Chironomus sp.	826.1
Middle	Period 5	Grandidierella bonnieroides	802.4
Middle	Period 5	Bocardiella sp.	797.1
Middle	Period 5	Limnodrilus hoffmeisteri	790.5
Middle	Period 5	Polypedilum halterale grp.	594.2
Middle	Period 5	Streblospio benedicti	530.4
Middle	Period 5	Dipolydora socialis	521.7
Middle	Period 5	Melanoides tuberculata	437.7
Middle	Period 5	Dicrotendipes lobus	434.8
Middle	Period 5	Platyhelminthes	347.8
Middle	Period 5	Chironomus decorus grp.	291.9
Middle	Period 5	Pyrgophorus tuberculatus	260.9
Middle	Period 5	Hydrobiidae	252.2
Middle	Period 5	Dicrotendipes sp.	217.4
Middle	Period 5	Panopeidae	202.9
Middle	Period 5	Polydora cornuta	202.9
Middle	Period 5	Rhithropanopeus harrisi	186.3
Middle	Period 5	Ficopomatus enigmaticus	173.9
Middle	Period 5	Monopylephorus rubroniveus	173.9
Middle	Period 5	Bivalvia	152.2
Middle	Period 5	Pyrgophorus platyrachis	152.2
Middle	Period 5	Corbicula fluminea	144.9
Middle	Period 5	Littoridinops sp.	130.4
Middle	Period 5	Uromunna reynoldsi	130.4
Middle	Period 5	Procladius sp.	105.6
Middle	Period 5	Almyracuma bacescui	87.0
Middle	Period 5	Cassidinidea ovalis	87.0
Middle	Period 5	Gastropoda	87.0
Middle	Period 5	Opisthocystidae sp.	87.0
Middle	Period 5	Polypedilum scalaenum grp.	87.0
Middle	Period 5	Polypedilum sp.	87.0
Middle	Period 5	Bezzia/Palpomyia grp.	43.5
Middle	Period 5	Ceriodaphnia sp.	43.5
Middle	Period 5	Cladopelma sp.	43.5
Middle	Period 5	Enchytraeidae	43.5
Middle	Period 5	Hydra sp.	43.5
Middle	Period 5	Mediomastus cf. ambiseta	43.5
Middle	Period 5	Neanthes succinea	43.5
Middle	Period 5	Procladius (Holotanypus) sp.	43.5

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Middle	Period 5	Procladius bellus var.1 Epler	43.5
Middle	Period 5	Tubificidae w/ hair	43.5
Middle	Period 5	Turbellaria	43.5
Middle	Period 5	Vesiculariidae	43.5
Lower	Period 5	Stenonereis martini	3488.3
Lower	Period 5	Tubificidae w/o hair	1811.6
Lower	Period 5	Hydrobiidae	1565.2
Lower	Period 5	Grandierella bonnieroides	1449.3
Lower	Period 5	Littoridinops sp.	1330.4
Lower	Period 5	Laeonereis culveri	1282.6
Lower	Period 5	Mytilopsis leucophaeata	743.1
Lower	Period 5	Polydora cornuta	739.1
Lower	Period 5	Pyrgophorus platyrachis	687.0
Lower	Period 5	Ficopomatus enigmaticus	652.2
Lower	Period 5	Limnodrilus hoffmeisteri	565.2
Lower	Period 5	Melanoides tuberculata	534.8
Lower	Period 5	Almyracuma bacescui	467.4
Lower	Period 5	Gastropoda	434.8
Lower	Period 5	Chironomus sp.	416.1
Lower	Period 5	Cryptochironomus sp.	413.0
Lower	Period 5	Cyclaspis varians	391.3
Lower	Period 5	Chironomus decorus grp.	326.1
Lower	Period 5	Streblospio sp.	260.9
Lower	Period 5	Bocardiella sp.	130.4
Lower	Period 5	Dicrotendipes neomodestus	130.4
Lower	Period 5	Eteone heteropoda	130.4
Lower	Period 5	Polypedilum halterale grp.	130.4
Lower	Period 5	Streblospio benedicti	101.5
Lower	Period 5	Bivalvia	87.0
Lower	Period 5	Bodotriidae sp.	87.0
Lower	Period 5	Cassinidea ovalis	87.0
Lower	Period 5	Collembola	87.0
Lower	Period 5	Hydra sp.	87.0
Lower	Period 5	Mediomastus cf. ambiseta	87.0
Lower	Period 5	Panopeidae	87.0
Lower	Period 5	Platyhelminthes	87.0
Lower	Period 5	Rhithropanopeus harrisi	87.0
Lower	Period 5	Americamysis almyra	43.5
Lower	Period 5	Amphicteis floridus	43.5
Lower	Period 5	Bezzia/Palpomyia grp.	43.5
Lower	Period 5	Bryozoa	43.5
Lower	Period 5	Cnidaria (LPIL)	43.5
Lower	Period 5	Corbicula fluminea	43.5
Lower	Period 5	Cyprideis littoralis	43.5
Lower	Period 5	Dasyhelea sp.	43.5
Lower	Period 5	Dicrotendipes lobus	43.5
Lower	Period 5	Dicrotendipes sp.	43.5
Lower	Period 5	Dipolydora socialis	43.5
Lower	Period 5	Edotia triloba	43.5
Lower	Period 5	Hargeria rapax	43.5
Lower	Period 5	Mytilidae	43.5
Lower	Period 5	Nemertea	43.5
Lower	Period 5	Oribatida	43.5
Lower	Period 5	Placobdella ornata	43.5
Lower	Period 5	Polydora cornuta sp. complex	43.5
Lower	Period 5	Procladius sp.	43.5
Lower	Period 5	Sinelobus stanfordi	43.5

Lower	Period 5	Sphaerosyllis sp.	43.5
Lower	Period 5	Streblospio gynobranchiata	43.5

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4.2.1.4 Overall Taxon Density with columns of MFL period and river segment density

Final Taxa	Avg Density	Period 1 Upper	Period 1 Middle	Period 1 Lower	Period 1 Downstream	Period 2 Upper	Period 2 Middle	Period 2 Lower	Period 2 Downstream	Period 3 Upper	Period 3 Middle	Period 3 Lower	Period 3 Downstream	Period 5 Upper	Period 5 Middle	Period 5 Lower
Kirkegaardia sp.	3831.6	0	0	0	6147	0.0	0	50	2611	0	0	0	1085.0	0	0	0
Monticellina dorsobranchialis	3010.8	0	0	100	6244	0.0	0	0	240	0	0	0	2188.3	0	0	0
Amphibalanus subalbidus	2942.9	0	0	0	0	0.0	0	0	0	0	0	0	250.0	0	3841	0
Grandidierella bonnieroides	2227.8	175	125	0	868	508.6	155	645	2969	125	208	1279	3970.2	674	802	1449
Streblospio gynobranchiata	1643.4	0	25	0	64	0.0	0	675	1406	138	144	5390	1968.5	0	0	43
Pyrgophorus platyrachis	1642.1	656	0	88	0	2677.2	1592	4356	2682	1825	988	350	216.7	372	152	687
Polydora websteri	1592.9	0	0	0	38	0.0	0	0	2691	0	0	0	175.0	0	0	0
Streblospio sp.	1523.2	0	25	0	109	25.0	275	3475	2314	0	0	0	1075.0	0	0	261
Clitellata w/proboscis	1456.5	0	0	0	0	0.0	0	0	0	0	0	0	0.0	1457	0	0
Laeonereis culveri	1450.9	1325	25	25	680	371.4	1203	2984	1729	25	1312	1415	1760.2	179	913	1283
Stenoninereis martini	1416.2	192	845	441	1094	1695.3	2174	877	1472	92	2308	1722	1061.1	2000	1238	3488
Polypedilum halterale grp.	1388.0	0	0	0	175	295.3	235	244	3138	267	150	0	0.0	744	594	130
Tubificidae w/o hair	1355.7	25	0	0	204	462.5	25	125	58	0	0	0	0.0	2034	2435	1812
Naididae	1260.3	1550	2462	575	807	2405.0	1603	1364	1191	1329	208	0	1446.5	0	0	0
Opistocystidae sp.	1207.7	0	0	0	0	0.0	0	0	0	0	0	0	0.0	1528	87	0
Littoridinops palustris	1156.7	150	0	0	294	0.0	0	50	1581	0	0	0	662.5	130	0	0
Hargeria/Leptochelia sp. complex	1127.8	0	0	0	0	0.0	0	0	1322	0	25	0	1065.5	0	0	0
Hyalella azteca	1046.7	0	0	0	0	348.4	50	0	25	7050	25	0	25.0	296	0	0
Melanoides tuberculata	1009.1	192	150	100	125	3931.2	2172	346	383	3700	1619	844	593.4	883	438	535
Ostrea equestris	925.0	0	0	0	0	0.0	0	0	925	0	0	0	0.0	0	0	0
Amphibalanus improvisus	895.3	0	0	0	38	0.0	0	0	1018	0	0	0	0.0	0	0	0
Melita elongata	894.4	0	0	0	892	0.0	0	0	1338	0	0	0	25.0	0	0	0
Ampelisca abdita	881.4	0	0	25	1326	0.0	50	0	254	0	0	0	1186.2	0	0	0
Mytilopsis leucophaeata	864.0	712	150	50	1129	818.8	300	1194	357	1092	953	204	1930.7	203	859	743
Laeonereis cf. longula	841.4	1350	1333	3375	1423	958.3	167	42	401	0	25	1450	1270.0	0	0	0
Idoteidae	826.1	0	0	0	0	0.0	0	0	0	0	0	0	0.0	826	0	0
Tubificoides brownae	785.3	0	0	0	557	0.0	0	0	1095	0	0	0	452.0	0	0	0
Hydrobiidae	776.5	75	25	0	42	2846.9	4754	85	125	1850	400	208	258.3	203	252	1565
Crepidula depressa	725.0	0	0	0	190	0.0	0	0	1156	0	0	0	325.0	0	0	0
Limnodriloides sp.	720.1	0	0	0	75	0.0	0	0	400	0	0	75	768.9	0	0	0
Anopsilana jonesi	712.5	0	0	0	0	0.0	0	0	0	1400	25	0	0.0	0	0	0
Capitella capitata sp. complex	663.6	25	0	25	567	0.0	25	150	932	0	0	0	511.7	0	0	0
Littoridinops sp.	657.9	0	0	0	0	0.0	0	25	150	0	0	0	1241.7	130	130	1330

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Limnodrilus hoffmeisteri	657.4	0	0	0	0	476.9	925	192	25	335	25	0	0.0	915	791	565
Corbicula fluminea	643.4	1800	1800	300	125	1053.6	806	1108	395	594	138	0	0.0	344	145	43
Mysella planulata	638.3	0	0	0	119	0.0	0	0	164	0	25	0	972.2	0	0	0
Serpula sp.	625.0	0	0	0	0	0.0	0	0	625	0	0	0	0.0	0	0	0
Cassidinidea ovalis	624.7	75	0	0	0	211.8	65	50	46	2229	62	25	25.0	1509	87	87
Ampelisca holmesi	622.8	0	0	0	1170	0.0	0	0	188	0	0	0	95.0	0	0	0
Melinna maculata	617.6	0	0	0	182	0.0	25	25	916	25	0	0	384.9	0	0	0
Pristina (Pristinella) sima	575.0	0	0	0	0	575.0	0	0	0	0	0	0	0.0	0	0	0
Melita nitida complex	539.2	0	0	0	175	0.0	0	0	365	0	25	25	837.5	0	0	0
Crassostrea virginica	537.5	0	0	0	762	0.0	0	0	561	0	0	0	325.0	0	0	0
Paranaïs litoralis	512.5	0	0	0	0	0.0	0	0	69	75	0	0	828.6	0	0	0
Melita longisetosa	500.0	0	0	0	0	0.0	0	0	500	0	0	0	0.0	0	0	0
Upogebia sp.	491.7	0	0	0	492	0.0	0	0	0	0	0	0	0.0	0	0	0
Leptochelia sp.	479.7	0	0	0	180	0.0	0	0	69	0	0	0	3075.0	0	0	0
Paraprionospio sp.	451.0	0	0	0	128	0.0	0	25	659	0	0	0	0.0	0	0	0
Streblospio benedicti	446.2	0	0	412	880	0.0	25	75	291	0	0	0	0.0	72	530	101
Arcuatula papyria	434.2	0	0	0	188	0.0	0	0	672	0	0	0	25.0	0	0	0
Capitella sp. A of EPC	432.1	0	0	0	462	0.0	0	0	50	0	0	0	0.0	0	0	0
Littoridinops monroensis	412.5	0	0	0	75	0.0	0	0	750	0	0	0	0.0	0	0	0
Rissooidea sp. B of EPC	412.5	0	0	0	0	0.0	0	0	238	0	0	0	587.5	0	0	0
Gammarida sp.	410.4	0	0	0	0	0.0	0	0	129	0	25	0	532.4	0	0	0
Abra aequalis	407.7	0	0	0	25	0.0	0	0	442	0	0	0	438.9	0	0	0
Amphibalanus eburneus	401.7	0	0	0	0	0.0	0	0	534	0	0	0	37.5	0	0	0
Hyalella sp. C	391.3	0	0	0	0	0.0	0	0	0	0	0	0	0.0	391	0	0
Helobdella stagnalis	381.8	0	0	0	0	462.5	0	0	0	550	0	0	0.0	352	0	0
Nereis pelagica occidentalis	375.0	0	0	0	0	0.0	0	0	0	0	0	0	375.0	0	0	0
Aricidea (Acmira) taylori	368.9	0	0	0	400	0.0	0	0	200	0	0	0	519.1	0	0	0
Almyracuma bacescui	366.3	0	38	50	56	0.0	100	367	341	0	0	400	487.9	0	87	467
Hourstonius laguna	362.0	0	0	0	112	0.0	0	0	625	0	0	0	59.4	0	0	0
Chironomus sp.	361.3	183	75	25	162	271.4	500	106	259	388	447	731	554.5	130	826	416
Tubificidae w/ hair	356.5	0	0	0	0	0.0	0	0	0	0	0	0	0.0	435	43	0
Gloiobdella elongata	350.0	0	0	0	0	25.0	0	0	0	1000	0	0	0.0	0	0	0
Limnodriloidinae	350.0	0	0	0	350	0.0	0	0	0	0	0	0	0.0	0	0	0
Polypedilum scalaenum grp.	338.9	0	0	0	112	531.2	62	120	354	0	50	0	25.0	621	87	0
Polypedilum sp.	338.4	0	0	25	100	25.5	0	25	445	250	0	0	0.0	174	87	0
Leitoscoloplos sp.	329.6	0	0	0	72	0.0	0	25	545	0	0	0	25.0	0	0	0
Hydroides sanctaecrucis	325.0	0	0	0	62	0.0	0	0	700	0	0	0	25.0	0	0	0

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Melita sp.	325.0	0	0	0	0	0.0	0	0	325	0	0	0	0.0	0	0	0
Polydora cornuta sp. complex	317.1	0	0	0	0	0.0	425	75	444	75	625	325	247.9	0	0	43
Anthozoa sp.	303.0	0	0	0	0	0.0	0	0	296	0	0	0	305.6	0	0	0
Schistomeringos cf. rudolphi	302.8	0	0	0	238	0.0	0	0	434	0	0	0	37.5	0	0	0
Polydora cornuta	292.9	0	0	0	50	0.0	0	0	39	0	0	0	758.3	0	203	739
Aulophorus flabelliger	290.0	0	0	0	0	0.0	0	0	290	0	0	0	0.0	0	0	0
Monocorophium acherusicum	287.5	0	0	0	50	0.0	0	0	75	0	0	0	400.0	0	0	0
Dicrotendipes lobus	287.3	1125	0	0	38	7.8	125	0	0	0	0	0	387.5	0	435	43
Bivalvia	276.8	0	0	0	79	0.0	0	0	33	0	0	0	0.0	703	152	87
Pyrgophorus tuberculatus	260.9	0	0	0	0	0.0	0	0	0	0	0	0	0.0	0	261	0
Kurtiella planulata	259.5	25	0	0	110	0.0	0	0	450	0	0	0	108.3	0	0	0
Actiniaria	258.6	0	0	0	208	0.0	0	0	381	0	0	0	87.5	0	0	0
Bocardiella sp.	255.8	0	0	0	25	0.0	25	0	0	0	0	0	0.0	152	797	130
Dicrotendipes neomodestus	254.9	0	0	0	0	33.1	0	1000	45	75	50	25	0.0	451	0	130
Boccardiella ligERICA	254.2	0	0	0	0	137.5	0	25	0	1075	100	0	50.0	0	0	0
Thalassodrilides gurwitschi	250.0	0	0	0	92	0.0	517	112	270	100	0	0	0.0	0	0	0
Chironomus decorus grp.	248.4	0	0	0	0	0.0	0	0	0	0	0	0	0.0	43	292	326
Dipolydora socialis	243.4	0	0	0	94	4.7	0	0	403	0	0	0	206.2	174	522	43
Kelliopsis cf. texasiana	237.5	0	0	0	0	0.0	0	0	238	0	0	0	0.0	0	0	0
Prionospio perkinsi	237.5	0	0	0	234	0.0	0	0	242	0	0	0	0.0	0	0	0
Macoploma tenta	234.1	0	0	0	81	0.0	0	0	385	0	0	0	162.5	0	0	0
Amakusanthura magnifica	230.0	0	0	0	33	0.0	0	0	525	0	0	0	0.0	0	0	0
Parachironomus tenuicaudatus	225.0	0	0	0	0	0.0	0	0	0	225	0	0	0.0	0	0	0
Amphibalanus spp.	220.8	0	0	0	0	0.0	0	0	208	0	0	175	300.0	0	0	0
Monopylephorus rubroniveus	217.7	975	0	0	0	0.0	0	0	0	0	50	0	81.2	0	174	0
Larsia sp.	217.4	0	0	0	0	0.0	0	0	0	0	0	0	0.0	217	0	0
Platyhelminthes	217.4	0	0	0	0	0.0	0	0	0	0	0	0	0.0	0	348	87
Brachyura sp.	216.7	0	0	0	0	75.0	0	412	195	0	0	0	0.0	0	0	0
Mediomastus cf. californiensis	216.7	0	0	0	225	0.0	0	0	200	0	0	0	0.0	0	0	0
Nereiphylla castanea	209.1	0	0	0	56	0.0	0	0	296	0	0	0	0.0	0	0	0
Ancylidae	208.2	0	0	0	0	25.0	0	0	0	0	0	0	0.0	391	0	0
Ablabesmyia rhamphe grp.	207.5	0	0	0	0	23.4	0	50	0	160	400	0	0.0	322	0	0
Vitrinella floridana	204.3	0	0	0	50	0.0	0	0	247	0	0	0	135.7	0	0	0
Syllis gracilis	204.2	0	0	0	275	0.0	0	0	25	0	0	0	100.0	0	0	0
Procladius (Holotanypus) sp.	200.6	0	0	0	0	212.5	92	100	259	262	50	0	0.0	116	43	0
Helobdella elongata	198.9	0	0	0	0	50.0	0	0	0	0	0	0	0.0	348	0	0
Cyclaspis varians	197.8	0	0	0	375	0.0	25	275	85	0	0	0	130.0	0	0	391

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Dicrotendipes modestus	195.3	0	0	0	0	0.0	0	0	0	0	0	0	325.0	130	0	0
Aricidea sp.	194.4	0	0	0	0	0.0	0	0	50	0	0	0	212.5	0	0	0
Ameritella cf. mitchelli	192.9	0	0	0	0	0.0	0	0	193	0	0	0	0.0	0	0	0
Cyathura polita	187.5	0	0	0	43	0.0	0	194	146	0	0	0	385.0	0	0	0
Capitella sp.	186.5	0	0	0	92	0.0	0	0	254	0	0	0	0.0	0	0	0
Ficopomatus enigmaticus	184.2	0	0	0	0	0.0	0	0	42	0	0	0	25.0	0	174	652
Boccardiella cf. hamata	181.2	0	0	0	117	0.0	0	0	375	0	0	0	0.0	0	0	0
Cyclostremiscus pentagonus	175.0	0	0	0	0	0.0	0	0	0	0	0	0	175.0	0	0	0
Hyalella sp. A	175.0	175	0	0	0	0.0	0	0	0	0	0	0	0.0	0	0	0
Hydroides sp.	175.0	0	0	0	175	0.0	0	0	0	0	0	0	0.0	0	0	0
Pisidium sp.	175.0	0	0	0	0	0.0	0	0	0	175	0	0	0.0	0	0	0
Turbonilla cf. arnoldoi	175.0	0	0	0	0	0.0	0	0	175	0	0	0	0.0	0	0	0
Cryptochironomus sp.	174.4	0	0	150	25	120.8	290	167	164	150	50	0	0.0	87	0	413
Minuspio perkinsi	173.2	0	0	0	75	0.0	0	0	338	0	25	0	175.0	0	0	0
Mulinia lateralis	173.2	0	0	0	165	0.0	0	0	216	0	0	0	112.5	0	0	0
Cerapus sp. C of LeCroy, 2007	172.2	0	0	0	150	0.0	0	0	0	0	0	25	231.2	0	0	0
Carazziella hobsonae	171.4	50	0	0	333	0.0	0	25	64	0	0	0	39.3	0	0	0
Amygdalum papyrium	170.6	0	0	0	62	0.0	0	0	258	0	0	0	75.0	0	0	0
Dicrotendipes sp.	170.4	0	0	0	0	373.7	31	0	33	483	170	50	56.2	0	217	43
Leitoscoloplos foliosus	169.6	0	0	0	223	0.0	0	0	139	0	0	25	168.2	0	0	0
Tubificoides motei	163.5	0	0	0	110	0.0	0	0	197	0	0	0	0.0	0	0	0
Dipolydora/Boccardiella grp.	161.4	0	0	0	25	75.0	38	25	300	0	0	0	0.0	0	0	0
Edotia triloba	161.2	0	0	0	273	0.0	0	62	78	0	25	33	240.8	0	0	43
Uromunna reynoldsi	160.4	0	0	0	0	255.9	0	0	100	92	0	0	0.0	0	130	0
Pseudopotamilla fitzhughii	160.0	0	0	0	325	0.0	0	0	62	0	0	0	25.0	0	0	0
Capitella jonesi	158.9	0	0	0	25	0.0	0	0	80	0	0	0	258.9	0	0	0
Cirratulidae	158.3	0	0	0	225	0.0	0	0	25	0	0	0	0.0	0	0	0
Goeldichironomus sp.	158.3	0	0	0	0	100.0	0	25	112	300	0	0	0.0	0	0	0
Ampelisca sp. C of LeCroy, 2002	150.0	0	0	0	150	0.0	0	0	0	0	0	0	0.0	0	0	0
Lumbrineris nonatoi	150.0	0	0	0	100	0.0	0	0	175	0	0	0	162.5	0	0	0
Onobops sp.	150.0	150	0	0	0	0.0	0	0	0	0	0	0	0.0	0	0	0
Parachironomus directus	150.0	0	0	0	0	0.0	0	0	0	150	0	0	0.0	0	0	0
Hobsonia florida	146.4	0	0	0	55	0.0	0	0	219	0	0	0	68.4	0	0	0
Polydora sp.	145.4	25	0	0	60	0.0	0	25	184	0	0	550	64.3	0	0	0
Tarebia granifera	139.5	0	0	0	0	0.0	0	0	0	125	250	0	0.0	43	0	0
Tagelus plebeius	138.8	0	25	0	348	0.0	0	0	45	0	25	150	80.0	0	0	0
Sphaeroma terebrans	135.9	0	0	0	0	0.0	200	25	0	275	0	0	0.0	43	0	0

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Sphaerium sp.	135.0	0	0	0	0	162.5	0	0	117	0	0	0	0.0	0	0	0
Apocorophium louisianum	132.8	0	0	0	75	0.0	0	0	186	0	0	0	93.8	0	0	0
Helobdella papillata	131.0	0	0	0	0	175.0	0	0	0	0	0	0	0.0	87	0	0
Pristina sp.	130.6	0	0	0	0	62.5	0	0	0	25	0	0	0.0	304	0	0
Piromis roberti	130.6	0	0	0	119	0.0	0	0	140	0	0	0	0.0	0	0	0
Dero sp.	130.4	0	0	0	0	0.0	0	0	0	0	0	0	0.0	130	0	0
Cotonopsis lafresnayi	125.0	0	0	0	125	0.0	0	0	0	0	0	0	0.0	0	0	0
Procladius sp.	124.5	0	0	0	0	87.5	0	0	33	25	0	0	0.0	194	106	43
Mediomastus sp.	121.7	0	0	0	100	0.0	0	0	141	0	0	0	0.0	0	0	0
Nemertea	121.2	0	0	25	127	0.0	38	25	140	25	25	112	115.8	43	0	43
Nereis sp. A	120.0	0	0	0	0	0.0	0	0	50	0	100	0	150.0	0	0	0
Sphenia fragilis	117.5	0	0	0	90	0.0	0	0	159	0	0	0	89.3	0	0	0
Kirsteueriella cf. biocellata	117.4	0	0	0	127	25.0	0	0	111	0	0	0	0.0	0	0	0
Bhawania heteroseta	116.7	0	0	0	117	0.0	0	0	0	0	0	0	0.0	0	0	0
Branchiomma sp.	116.7	0	0	0	125	0.0	0	0	108	0	0	0	0.0	0	0	0
Rhithropanopeus harrisi	116.3	400	25	25	89	46.4	58	175	85	25	125	38	108.8	292	186	87
Leodamas rubrus	115.6	0	0	0	97	0.0	0	0	138	0	0	0	225.0	0	0	0
Paraprionospio yokoyamai	114.5	0	0	0	138	0.0	0	0	134	0	0	0	76.4	0	0	0
Acromegalomma pigmentum	112.5	0	0	0	64	0.0	0	0	225	0	0	0	0.0	0	0	0
Tanypodinae	112.5	0	0	0	0	25.0	0	0	125	0	0	0	0.0	0	0	0
Asheum beckae	109.9	25	0	0	0	200.0	100	162	100	112	0	0	0.0	43	0	0
Alpheus sp.	108.3	0	0	0	50	0.0	0	0	225	0	0	0	0.0	0	0	0
Palaeonemertea	108.3	0	0	0	38	0.0	0	0	250	0	0	0	0.0	0	0	0
Hyalella sp.	105.0	0	0	0	0	0.0	0	0	25	225	25	25	0.0	0	0	0
Parahesion luteola	104.2	0	0	0	50	0.0	0	0	116	0	0	0	75.0	0	0	0
Alitta succinea	104.1	0	0	0	30	0.0	25	25	120	0	25	0	107.5	0	0	0
Cerebratulus lacteus	102.8	0	0	0	133	0.0	0	0	100	0	0	0	25.0	0	0	0
Polymesoda caroliniana	102.4	0	0	0	38	0.0	0	25	143	0	0	25	95.0	0	0	0
Dicrotendipes nervosus	101.5	0	0	0	0	0.0	0	0	0	0	0	0	0.0	101	0	0
Chaoborus sp.	101.4	0	0	0	0	25.0	50	50	30	250	292	50	25.0	0	0	0
Balanidae	100.0	0	0	0	0	0.0	0	0	100	0	0	0	0.0	0	0	0
Boonea impressa	100.0	25	0	0	75	0.0	0	0	145	0	0	0	50.0	0	0	0
Culicoides sp.	100.0	0	0	0	0	100.0	0	0	0	0	0	0	0.0	0	0	0
Diadumene cf. lineata	100.0	0	0	0	0	0.0	0	0	100	0	0	0	0.0	0	0	0
Libellula sp.	100.0	0	0	0	0	100.0	0	0	0	0	0	0	0.0	0	0	0
Podarkeopsis levifuscina	99.4	0	0	25	75	0.0	0	0	144	0	0	0	61.1	0	0	0
Arenicola cristata	95.8	0	0	0	100	0.0	0	0	0	0	0	0	75.0	0	0	0

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Aricidea (Acmira) philbinae	94.0	0	0	0	47	0.0	0	0	50	0	0	0	143.8	0	0	0
Acteocina canaliculata	93.8	0	0	0	46	0.0	0	0	73	0	0	0	140.9	0	0	0
Palaeonemertea sp. A of EPC	93.8	0	0	0	80	0.0	0	0	75	0	0	0	212.5	0	0	0
Trichoptera	93.8	0	0	0	0	0.0	162	25	25	0	0	0	0.0	0	0	0
Ablabesmyia sp.	92.5	0	0	0	0	106.2	150	88	100	25	25	0	0.0	87	0	0
Hydroptila sp.	91.1	0	0	0	0	31.8	0	0	0	25	0	0	0.0	152	0	0
Neanthes micromma	89.3	0	0	0	115	0.0	0	0	0	0	0	0	25.0	0	0	0
Scoloplos rubra	89.3	0	0	0	67	0.0	0	0	185	0	0	0	55.0	0	0	0
Spionidae	89.3	0	0	0	25	0.0	0	0	83	300	0	0	25.0	0	0	0
Hargeria rapax	88.3	0	0	0	42	25.0	25	0	97	0	0	0	113.9	0	0	43
Dero nivea	87.5	0	0	0	0	75.0	25	0	125	0	0	0	0.0	0	0	0
Dero pectinata	87.5	0	0	0	0	0.0	0	0	0	88	0	0	0.0	0	0	0
Ficopomatus sp.	87.5	0	0	0	0	0.0	38	0	119	0	0	75	41.7	0	0	0
Heteromastus sp.	87.5	0	0	0	92	0.0	0	0	89	0	0	0	62.5	0	0	0
Paralauterborniella nigrohalteralis	87.5	0	0	0	0	125.0	0	0	50	0	0	0	0.0	0	0	0
Bodotriidae sp.	87.0	0	0	0	0	0.0	0	0	0	0	0	0	0.0	0	0	87
Callibaetis sp.	87.0	0	0	0	0	0.0	0	0	0	0	0	0	0.0	87	0	0
Polydora socialis	87.0	0	0	0	0	0.0	0	0	0	0	0	0	0.0	87	0	0
Paracaprella tenuis	84.6	0	0	0	300	0.0	0	0	30	0	0	0	92.9	0	0	0
Stenochironomus sp.	83.7	0	0	0	0	0.0	0	0	58	200	0	0	0.0	43	0	0
Djalmabatista sp.	83.3	0	0	0	0	0.0	0	50	100	0	0	0	0.0	0	0	0
Eurypanopeus dissimilis	83.3	0	0	0	0	0.0	0	0	83	0	0	0	0.0	0	0	0
Panopeidae	82.5	25	0	0	35	0.0	25	38	66	0	150	38	79.5	174	203	87
Ficopomatus miamiensis	82.3	0	0	0	50	0.0	25	0	134	0	25	0	41.7	0	0	0
Xanthoidea	81.8	0	0	0	0	0.0	0	0	94	0	0	0	25.0	0	0	0
Ameritella cf. versicolor	78.6	0	0	0	106	0.0	0	0	42	0	0	0	0.0	0	0	0
Ampelisca sp.	78.4	0	0	0	25	0.0	25	0	43	0	0	0	112.5	0	0	0
Sigambra tentaculata	77.1	0	0	0	93	0.0	0	0	107	0	0	0	45.0	0	0	0
Amphibalanus venustus	75.0	0	0	0	0	0.0	0	0	25	100	0	0	125.0	0	0	0
Cerithiopsis sp.	75.0	0	0	0	75	0.0	0	0	0	0	0	0	0.0	0	0	0
Cirriformia sp.	75.0	0	0	0	75	0.0	0	0	0	0	0	0	0.0	0	0	0
Eunicidae	75.0	0	0	0	75	0.0	0	0	0	0	0	0	0.0	0	0	0
Hemipholis cordifera	75.0	0	0	0	25	0.0	0	0	225	0	0	0	0.0	0	0	0
Kinbergonuphis simoni	75.0	0	0	0	0	0.0	0	0	75	0	0	0	0.0	0	0	0
Lyonsia floridana	75.0	0	0	0	75	0.0	0	0	0	0	0	0	0.0	0	0	0
Odostomiinae	75.0	0	0	0	0	0.0	25	0	100	0	0	0	0.0	0	0	0
Parachironomus sp.	75.0	25	0	0	0	50.0	0	0	0	150	0	0	0.0	0	0	0

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Pisidium punctiferum	75.0	0	0	0	0	0.0	75	0	0	0	0	0	0.0	0	0	0
Planorbella scalaris	75.0	0	0	0	0	75.0	0	0	0	0	0	0	0.0	0	0	0
Sayella hemphilli	75.0	0	0	0	75	0.0	0	0	0	0	0	0	0.0	0	0	0
Syllis sp.	75.0	0	0	0	75	0.0	0	0	0	0	0	0	0.0	0	0	0
Tryonia aequicostata	75.0	0	0	0	75	0.0	0	0	0	0	0	0	0.0	0	0	0
Hypereteone heteropoda	73.5	0	0	0	78	0.0	0	0	69	0	0	0	0.0	0	0	0
Turbellaria	72.5	0	0	0	0	0.0	0	0	0	0	0	0	0.0	87	43	0
Mediomastus cf. ambiseta	70.5	0	0	0	50	0.0	0	0	111	0	0	0	47.2	0	43	87
Pinnotheridae	70.2	0	0	0	77	0.0	0	0	58	0	0	0	50.0	0	0	0
Streblosoma hartmanae	68.8	0	0	0	69	0.0	0	0	0	0	0	0	0.0	0	0	0
Tanytarsus sp. G of Epler, 2001	68.2	0	0	0	0	41.7	50	0	92	0	83	0	0.0	0	0	0
Haminoea succinea	67.2	0	0	0	29	0.0	0	0	97	0	0	0	0.0	0	0	0
Cyrenoida floridana	66.7	0	0	0	0	0.0	75	0	0	0	0	0	65.0	0	0	0
Ficopomatus uschakovi	64.3	0	0	0	25	0.0	0	0	88	0	0	0	37.5	0	0	0
Eteone heteropoda	64.0	0	0	0	42	0.0	0	0	76	0	0	0	40.0	0	0	130
Chaoborus punctipennis	62.5	0	0	0	100	0.0	0	0	0	25	0	0	0.0	0	0	0
Djalmabatista pulcher variant	62.5	0	0	0	0	0.0	0	25	70	0	0	0	0.0	0	0	0
Enoplobranchus sanguineus	62.5	0	0	0	62	0.0	0	0	0	0	0	0	0.0	0	0	0
Ischadium recurvum	62.5	0	0	0	0	0.0	25	0	100	0	0	0	0.0	0	0	0
Thalassodrilides ineri	62.5	0	0	0	62	0.0	0	0	62	0	0	0	0.0	0	0	0
Turbonilla hemphilli	62.5	0	0	0	0	0.0	0	0	100	0	0	0	25.0	0	0	0
Phyllodoce arenae	60.5	0	0	0	43	0.0	0	0	67	0	0	0	63.9	0	0	0
Anadara transversa	58.3	0	0	0	125	0.0	0	0	25	0	0	0	25.0	0	0	0
Astyris lunata	58.3	0	0	0	25	0.0	25	0	50	0	0	0	83.3	0	0	0
Cirripedia	58.3	0	0	0	62	0.0	0	0	50	0	0	0	0.0	0	0	0
Clymenella torquata	58.3	0	0	0	0	0.0	0	0	58	0	0	0	0.0	0	0	0
Euplana gracilis	58.3	0	0	0	0	50.0	0	0	62	0	0	0	0.0	0	0	0
Hydroides dianthus	58.3	0	0	0	75	0.0	0	0	50	0	0	0	50.0	0	0	0
Parasabella sp.	58.3	0	0	0	25	0.0	0	0	65	0	0	0	0.0	0	0	0
Tanytarsus sp. G	58.3	0	0	0	0	75.0	0	0	0	25	0	0	0.0	0	0	0
Tubificoides/Tectidrilus with papillae	58.3	0	0	0	0	0.0	0	0	58	0	0	0	0.0	0	0	0
Hydra sp.	58.0	0	0	0	0	0.0	0	0	0	0	0	0	0.0	43	43	87
Oecetis inconspicua complex	57.6	0	0	0	0	0.0	75	25	0	0	0	0	0.0	65	0	0
Chironomidae	56.9	0	0	250	0	40.1	25	25	61	54	62	25	37.5	43	0	0
Ceratopogonide	56.7	25	0	0	0	62.5	92	0	31	69	0	0	25.0	0	0	0
Caryocorbula cf. contracta	56.2	0	0	0	50	0.0	0	0	75	0	0	0	0.0	0	0	0
Gastropoda	55.9	0	0	0	25	0.0	50	25	28	75	25	0	36.1	152	87	435

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Tellinidae	55.0	0	0	0	62	0.0	0	0	62	0	0	0	25.0	0	0	0
Caenis diminuta	54.4	0	0	0	0	0.0	0	0	0	0	0	0	0.0	54	0	0
Ampelisca vadorum	54.2	0	0	0	175	0.0	0	0	30	0	0	0	0.0	0	0	0
Oxydromus obscurus	54.2	0	0	0	100	0.0	0	0	44	0	0	0	50.0	0	0	0
Sigambra bassi	54.2	0	0	0	112	0.0	0	0	40	0	0	0	45.0	0	0	0
Spiochaetopterus oculatus	53.6	0	0	0	0	0.0	0	0	58	0	0	0	25.0	0	0	0
Stylochus ellipticus	52.8	0	0	0	25	0.0	0	0	61	0	0	0	0.0	0	0	0
Americamysis almyra	51.4	0	0	0	50	0.0	0	0	25	0	0	0	0.0	87	0	43
Bezzia/Palpomyia grp.	51.0	0	0	0	0	50.0	25	0	0	0	0	0	0.0	61	43	43
Ablabesmyia (Karelia) sp.	50.0	0	0	0	0	0.0	0	0	50	0	0	0	0.0	0	0	0
Ambidexter symmetricus	50.0	0	0	0	50	0.0	0	0	0	0	0	0	0.0	0	0	0
Arhynchobdellida sp.	50.0	0	0	0	0	0.0	0	0	0	50	0	0	0.0	0	0	0
Asthenothaerus hemphilli	50.0	0	0	0	0	0.0	0	0	50	0	0	0	50.0	0	0	0
Brania nitidula	50.0	0	0	0	50	0.0	0	0	50	0	0	0	0.0	0	0	0
Bratislavia unidentata	50.0	0	0	0	0	0.0	0	0	0	50	0	0	0.0	0	0	0
Cyclostremiscus suppressus	50.0	0	0	0	50	0.0	0	0	0	0	0	0	0.0	0	0	0
Daphnia sp.	50.0	0	0	0	0	0.0	50	0	0	0	0	0	0.0	0	0	0
Dicrotendipes simpsoni	50.0	0	0	0	0	0.0	0	50	0	0	0	0	0.0	0	0	0
Eupleura caudata	50.0	0	0	0	0	0.0	0	0	50	0	0	0	50.0	0	0	0
Exosphaeroma diminutum	50.0	50	0	0	0	0.0	0	0	0	0	0	0	0.0	0	0	0
Gammarus sp.	50.0	0	0	0	0	0.0	0	0	0	0	0	25	75.0	0	0	0
Goeldichironomus carus	50.0	0	0	0	0	50.0	0	0	0	0	0	0	0.0	0	0	0
Labrundinia pilosella	50.0	0	0	0	0	0.0	0	0	50	0	0	0	0.0	0	0	0
Mysidae	50.0	0	0	0	25	75.0	0	75	0	0	0	0	0.0	0	0	0
Oecetis nocturna	50.0	0	0	0	0	0.0	0	0	0	62	25	0	0.0	0	0	0
Ophiuroidea	50.0	0	0	0	75	0.0	0	0	25	0	0	0	0.0	0	0	0
Parachironomus carinatus	50.0	0	0	0	0	0.0	0	0	0	50	0	0	0.0	0	0	0
Parachironomus frequens	50.0	0	0	0	0	0.0	0	0	0	0	50	0	0.0	0	0	0
Paraonidae	50.0	0	0	0	0	0.0	0	0	50	0	0	0	0.0	0	0	0
Peltodytes sp.	50.0	0	0	0	0	0.0	0	0	0	50	0	0	0.0	0	0	0
Phrontis vibex	50.0	0	0	0	35	0.0	0	0	75	0	0	0	25.0	0	0	0
Pileolaria sp.	50.0	0	0	0	0	0.0	0	0	50	0	0	0	0.0	0	0	0
Polycirrus sp.	50.0	0	0	0	50	0.0	0	0	0	0	0	0	0.0	0	0	0
Rudilemboides naglei	50.0	0	0	0	75	0.0	0	25	0	0	0	0	0.0	0	0	0
Serpulidae	50.0	0	0	0	25	0.0	0	0	62	0	0	0	0.0	0	0	0
Sphaerosyllis taylori	50.0	0	0	0	0	0.0	0	0	0	0	0	0	50.0	0	0	0
Tanypus sp.	50.0	0	0	0	0	0.0	0	50	0	0	0	0	0.0	0	0	0

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Tanytarsus sp. K	50.0	0	0	0	0	50.0	0	0	0	0	0	0	0.0	0	0	0
Teinostoma biscaynense	50.0	0	0	0	25	0.0	0	0	58	0	0	0	50.0	0	0	0
Terebella cf. verrilli	50.0	0	0	0	50	0.0	0	0	0	0	0	0	0.0	0	0	0
Cricotopus bicinctus	47.8	0	0	0	0	50.0	50	0	0	0	0	0	0.0	43	0	0
Tanytarsus sp.	47.5	0	0	0	0	32.0	0	0	25	0	0	0	25.0	60	0	0
Glycinde multicens	45.8	0	75	0	53	0.0	0	0	45	0	0	0	33.3	0	0	0
Enchytraeidae	44.8	0	0	0	0	25.0	25	0	0	25	0	0	75.0	0	43	0
Glottidia pyramidata	44.2	0	0	0	50	0.0	0	25	25	0	0	0	62.5	0	0	0
Nais variabilis	43.8	0	0	0	0	0.0	0	0	44	0	0	0	0.0	0	0	0
Tagelus divisus	43.8	0	0	0	56	0.0	0	0	25	0	0	0	33.3	0	0	0
Amphicteis floridus	43.5	0	0	0	0	0.0	0	0	0	0	0	0	0.0	0	0	43
Branchiobdellidae	43.5	0	0	0	0	0.0	0	0	0	0	0	0	0.0	43	0	0
Ceriodaphnia sp.	43.5	0	0	0	0	0.0	0	0	0	0	0	0	0.0	0	43	0
Clinotanypus sp.	43.5	0	0	0	0	0.0	0	0	0	0	0	0	0.0	43	0	0
Cnidaria (LPIL)	43.5	0	0	0	0	0.0	0	0	0	0	0	0	0.0	0	0	43
Cyprideis littoralis	43.5	0	0	0	0	0.0	0	0	0	0	0	0	0.0	0	0	43
Diptera	43.5	0	0	0	0	0.0	0	0	0	0	0	0	0.0	43	0	0
Dubiraphia vittata	43.5	0	0	0	0	0.0	0	0	0	0	0	0	0.0	43	0	0
Edotia montosa	43.5	0	0	0	0	0.0	0	0	0	0	0	0	0.0	43	0	0
Libellula incesta	43.5	0	0	0	0	0.0	0	0	0	0	0	0	0.0	43	0	0
Neanthes succinea	43.5	0	0	0	0	0.0	0	0	0	0	0	0	0.0	0	43	0
Oecetis inconspicua	43.5	0	0	0	0	0.0	0	0	0	0	0	0	0.0	43	0	0
Oribatida	43.5	0	0	0	0	0.0	0	0	0	0	0	0	0.0	0	0	43
Paranais sp.	43.5	0	0	0	0	0.0	0	0	0	0	0	0	0.0	43	0	0
Placobdella ornata	43.5	0	0	0	0	0.0	0	0	0	0	0	0	0.0	0	0	43
Procladius bellus var.1 Epler	43.5	0	0	0	0	0.0	0	0	0	0	0	0	0.0	0	43	0
Sphaerosyllis sp.	43.5	0	0	0	0	0.0	0	0	0	0	0	0	0.0	0	0	43
Stenelmis sp.	43.5	0	0	0	0	0.0	0	0	0	0	0	0	0.0	43	0	0
Vesiculariidae	43.5	0	0	0	0	0.0	0	0	0	0	0	0	0.0	0	43	0
Erpobdella punctata	43.4	0	0	0	42	25.0	75	25	53	0	25	0	32.7	0	0	0
Tubulanus pellucidus	42.9	0	0	0	42	25.0	0	0	50	0	0	0	0.0	0	0	0
Caenis sp.	42.1	0	0	0	0	0.0	75	0	25	0	0	0	0.0	43	0	0
Euhirudinea sp.	41.7	0	0	0	0	0.0	0	0	0	75	25	0	25.0	0	0	0
Marphysa sp. A of EPC	41.7	0	0	0	42	0.0	0	0	38	0	0	0	50.0	0	0	0
Nais communis sp. complex	41.7	0	0	0	0	75.0	0	0	25	0	0	0	0.0	0	0	0
Parasabella microphthalma	41.7	0	0	0	50	0.0	0	0	38	0	0	0	0.0	0	0	0
Parvanachis obesa	41.7	0	0	0	0	0.0	0	0	50	0	0	0	25.0	0	0	0

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Phoronis sp.	41.7	0	0	0	50	0.0	0	0	38	0	0	0	25.0	0	0	0
Pinnixa sp.	41.7	0	0	0	50	0.0	0	0	25	0	0	0	25.0	0	0	0
Cladopelma sp.	41.1	0	0	0	0	25.0	50	0	0	0	0	0	0.0	43	43	0
Odontosyllis enopla	40.0	0	0	0	0	0.0	0	0	40	0	0	0	0.0	0	0	0
Oxyurostylis smithi	40.0	0	0	0	50	0.0	0	0	38	0	25	0	0.0	0	0	0
Aphylla williamsoni	39.5	0	0	0	0	0.0	0	0	25	50	38	0	0.0	43	0	0
Collembola	38.4	0	0	0	0	25.0	0	25	25	0	0	0	25.0	43	0	87
Ablabesmyia mallochi	37.5	0	0	0	0	50.0	0	25	0	0	0	0	0.0	0	0	0
Alpheus armillatus	37.5	0	0	0	38	0.0	0	0	50	0	0	0	25.0	0	0	0
Coelotanypus sp.	37.5	0	0	0	0	0.0	0	0	38	0	0	0	0.0	0	0	0
Cryptotendipes sp.	37.5	0	0	0	0	0.0	0	0	0	25	50	0	0.0	0	0	0
Exogone dispar	37.5	0	0	0	50	0.0	0	0	25	0	0	0	0.0	0	0	0
Hebetancylus excentricus	37.5	50	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Nereis lamellosa	37.5	0	0	0	38	0.0	0	0	0	0	0	0	0.0	0	0	0
Pristina (Pristina) proboscidea	37.5	0	0	0	0	25.0	0	0	0	0	0	0	50.0	0	0	0
Pristina (Pristinella) sp.	37.5	0	0	0	0	0.0	50	0	25	0	0	0	0.0	0	0	0
Prosobranchia sp.	37.5	0	0	0	0	0.0	0	0	0	0	0	0	37.5	0	0	0
Pseudochironomus sp.	37.5	0	0	0	0	37.5	0	0	0	0	0	0	0.0	0	0	0
Sabellidae	37.5	0	0	0	62	0.0	0	0	25	0	0	0	0.0	0	0	0
Tagelus sp.	37.5	0	0	0	0	0.0	0	0	38	0	0	0	0.0	0	0	0
Zygonemertes virescens	37.5	0	0	0	38	0.0	0	0	38	0	0	0	0.0	0	0	0
Libellulidae	36.4	0	0	0	0	37.5	25	0	50	25	0	0	0.0	43	0	0
Oecetis sp.	36.4	0	0	0	0	33.3	62	25	25	38	0	0	0.0	0	0	0
Pectinaria gouldii	35.7	0	0	0	25	0.0	0	0	42	0	0	0	25.0	0	0	0
Enteropneusta	35.0	0	0	0	35	0.0	0	0	0	0	0	0	0.0	0	0	0
Fragilonemertes rosea	35.0	0	0	0	0	0.0	0	0	35	0	0	0	0.0	0	0	0
Gammarus mucronatus	35.0	0	0	0	25	37.5	0	0	38	0	0	0	25.0	0	0	0
Haminoea antillarum	35.0	0	0	0	0	0.0	0	0	35	0	0	0	0.0	0	0	0
Cyrrnellus fraternus	34.6	0	0	0	0	1.6	0	25	0	25	0	0	0.0	87	0	0
Cladotanytarsus sp.	34.2	0	0	0	0	25.0	0	0	0	0	0	0	0.0	43	0	0
Dasyhelea sp.	34.2	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	43
Hirudinea	34.2	0	0	0	0	25.0	0	0	0	0	0	0	0.0	43	0	0
Mytilidae	34.2	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	43
Decapoda	33.3	0	0	0	38	0.0	0	0	0	0	0	0	25.0	0	0	0
Glycera americana	33.3	0	0	0	29	0.0	0	0	38	0	0	0	37.5	0	0	0
Hydroides protulicola	33.3	0	0	0	0	0.0	0	0	33	0	0	0	0.0	0	0	0
Neogypsis crypta	33.3	0	0	0	38	0.0	0	0	25	0	0	0	0.0	0	0	0

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Prionospio heterobranchia	33.3	0	0	0	38	0.0	0	0	25	0	0	0	25.0	0	0	0
Americamysis stucki	31.2	0	0	0	0	25.0	0	0	38	0	0	0	25.0	0	0	0
Japonactaeon punctostriatus	31.2	0	0	0	25	0.0	0	0	33	0	0	0	0.0	0	0	0
Melongena corona	31.2	0	0	0	50	0.0	0	0	25	0	0	0	0.0	0	0	0
Syllis cf. maryae	31.2	0	0	0	0	0.0	0	0	31	0	0	0	0.0	0	0	0
Sinelobus stanfordi	31.2	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	43
Ephemeroptera	30.0	0	0	0	0	37.5	0	0	25	25	0	25	0.0	0	0	0
Nereididae	30.0	0	0	25	31	0.0	0	0	0	0	0	0	0.0	0	0	0
Leptoceridae	29.6	0	0	0	0	25.0	0	25	0	0	0	0	0.0	43	0	0
Diopatra cuprea	29.6	0	0	0	25	0.0	0	0	31	0	0	0	30.0	0	0	0
Scolecopsis texana	29.2	0	0	0	0	0.0	0	0	31	0	0	0	25.0	0	0	0
Acteocina sp.	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Aeolidioidea	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Aglaophamus verrilli	25.0	0	0	0	25	0.0	0	0	25	0	0	0	0.0	0	0	0
Amphibalanus cf. amphitrite	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Amphinomidae	25.0	0	0	0	25	0.0	0	0	25	0	0	0	0.0	0	0	0
Ancistrosyllis jonesi	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Anoplodactylus sp.	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Anthoathecata sp.	25.0	0	0	0	0	0.0	0	0	0	0	0	0	25.0	0	0	0
Anthopleura sp.	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Aoridae sp.	25.0	0	0	0	0	0.0	0	0	0	25	0	0	0.0	0	0	0
Apedilum sp.	25.0	0	0	0	0	0.0	0	0	0	25	0	0	0.0	0	0	0
Ascidacea	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Austromacoma constricta	25.0	0	0	0	25	0.0	0	0	25	0	0	0	0.0	0	0	0
Berosus sp.	25.0	0	0	0	0	25.0	0	0	0	0	0	0	0.0	0	0	0
Branchiostoma floridae	25.0	0	0	0	25	0.0	0	0	25	0	0	0	0.0	0	0	0
Cabira incerta	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Caecum pulchellum	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Callianassidae	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Calyptraeidae	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Caryocorbula swiftiana	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Ceriantharia	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Cerithiopsis fusiformis	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Chaetognatha	25.0	0	0	0	25	0.0	0	0	25	0	0	0	0.0	0	0	0
Cirolana cf. jonesi	25.0	0	0	0	0	0.0	0	0	0	25	0	0	0.0	0	0	0
Cirriformia sp. A of Wolf, 1984	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Cladotanytarsus sp. F	25.0	0	0	0	0	0.0	0	0	0	25	0	0	0.0	0	0	0

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Clymenella mucosa	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Corophiidae	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Crassinella lunulata	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Crustipellis tribranchiata	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Cyclaspis sp. C of Rakocinski et al, 1996	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Dero obtusa	25.0	0	0	0	0	0.0	25	0	0	0	0	0	0.0	0	0	0
Djalmabatista pulcher	25.0	0	0	0	25	25.0	0	0	0	0	0	0	0.0	0	0	0
Dubiraphia sp.	25.0	0	0	0	0	0.0	0	0	0	0	0	25	0.0	0	0	0
Ensis megistus coseli	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Entomobryidae	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Eudendrium sp.	25.0	0	0	0	0	0.0	0	0	0	25	25	0	25.0	0	0	0
Eupleura tampaensis	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Fabricinuda trilobata	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Fargoa cf. gibbosa	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Ferrissia cf. hendersoni	25.0	0	0	0	0	0.0	25	0	0	0	0	0	0.0	0	0	0
Gammaridea	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Glossiphoniidae sp.	25.0	0	0	0	0	0.0	0	0	0	25	0	0	0.0	0	0	0
Haloclava cf. producta	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Heteronemertea	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Holothuroidea	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Hoplonemertea	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Hydroides sp. A of EPC	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Hydroptilidae	25.0	0	0	0	0	25.0	0	0	0	0	25	0	0.0	0	0	0
Idunella barnardi	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Isopoda	25.0	0	0	0	0	0.0	0	0	0	25	0	0	0.0	0	0	0
Lasaeidae	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Limulus polyphemus	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Lysilla sp.	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Magelona pettiboneae	25.0	0	0	0	25	0.0	0	0	25	0	0	0	25.0	0	0	0
Maldane cf. sarsi	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Maldanidae	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Marphysa sp. B of EPC	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Membranipora cf. arborescens	25.0	0	0	0	0	0.0	0	0	25	0	0	0	25.0	0	0	0
Mercenaria sp.	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Microphiopholis atra	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Naidinae sp. A of EPC	25.0	0	0	0	0	25.0	0	0	0	0	0	0	0.0	0	0	0
Nanocladius sp.	25.0	0	0	0	0	0.0	0	25	0	0	0	0	0.0	0	0	0

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Neanthes sp. A of EPC	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Neoamphitrite cf. sp. A of Kritzler, 1984	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Nephtys cryptomma	25.0	0	0	0	0	0.0	0	0	0	0	0	0	25.0	0	0	0
Notomastus hemipodus	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Odonata	25.0	0	0	0	0	0.0	25	0	25	0	0	0	0.0	0	0	0
Odostomia laevigata	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Oecetis sp. A of Epler, 2001	25.0	0	0	0	0	25.0	0	0	0	0	0	0	0.0	0	0	0
Onuphidae sp.	25.0	0	0	0	0	0.0	0	0	0	0	0	25	0.0	0	0	0
Ophiophragmus filigraneus	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Orbiniidae	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Orchestia sp.	25.0	0	0	0	0	0.0	25	0	0	0	0	0	0.0	0	0	0
Orobitella floridana	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Oxyurostylis lecrovae	25.0	0	0	0	0	0.0	0	0	25	0	0	0	25.0	0	0	0
Paradialychone uebelacker	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Paranaitis gardineri	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Parastarte triquetra	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Pentamera cf. pulcherrima	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Petrolisthes armatus	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Phascolion (Lesenka) cryptum	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Pinnixa sp. A of LeCroy, unpublished key,Perdido,FL	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Pinnixulala retinens	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Pista palmata	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Pista sp. A of EPC	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Polycirrus sp. C of EPC	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Polycladida sp.	25.0	0	0	0	0	0.0	0	0	0	25	0	0	0.0	0	0	0
Polypedilum illinoense grp.	25.0	0	0	0	0	0.0	0	0	0	0	0	0	25.0	0	0	0
Pristina (Pristinella) cf. osborni	25.0	0	0	0	0	25.0	0	0	0	0	0	0	0.0	0	0	0
Pristina leidyi	25.0	0	0	0	0	0.0	0	0	0	25	0	0	0.0	0	0	0
Probezzia sp.	25.0	0	0	0	0	0.0	25	0	0	0	0	0	0.0	0	0	0
Prostoma sp.	25.0	25	0	0	0	0.0	0	0	0	0	0	0	0.0	0	0	0
Psychodidae	25.0	0	0	0	0	0.0	0	0	0	0	0	25	0.0	0	0	0
Rathbunixa cf. pearsei	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Rhabditophora sp.	25.0	0	0	0	0	0.0	25	0	0	0	0	0	0.0	0	0	0
Rissooidea	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Sabellaria sp. A of Uebelacker, 1984	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Sessilia sp.	25.0	0	0	0	0	0.0	0	0	0	0	0	0	25.0	0	0	0

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Sparganophilus sp.	25.0	0	0	0	0	0.0	25	0	0	0	0	0	0.0	0	0	0
Sphaeroma quadridentatum	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Sphaerosyllis glandulata	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Styelidae	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Syllis cf. beneliahuae	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Syllis sp. A of EPC	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Tectonatica pusilla	25.0	0	0	0	25	0.0	0	0	25	0	0	0	25.0	0	0	0
Teinostoma sp.	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Tergipedidae	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Tetrastemma candidum	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Tricladida	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Tubificoides sp.	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Turbonilla (Pyrgiscus) sp. A of EPC	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Turbonilla (Pyrgiscus) sp. B of EPC	25.0	0	0	0	25	0.0	0	0	0	0	0	0	0.0	0	0	0
Turbonilla cf. conradi	25.0	0	0	0	25	0.0	0	0	0	0	0	0	25.0	0	0	0
Xenanthura brevitelson	25.0	0	0	0	0	0.0	0	0	25	0	0	0	0.0	0	0	0
Zygoptera	25.0	0	0	0	0	0.0	0	0	0	25	0	0	0.0	0	0	0
Cirolana parva	22.4	0	0	0	0	17.2	25	0	25	0	0	0	0.0	0	0	0
Bryozoa	22.2	0	0	0	1	0.0	0	0	0	0	0	0	0.0	0	0	43
Enallagma sp.	19.1	0	0	0	0	13.3	0	0	0	25	0	0	0.0	0	0	0
Polypedilum beckae	14.1	0	0	0	0	14.1	0	0	0	0	0	0	0.0	0	0	0
Coenagrionidae	13.3	0	0	0	0	1.6	0	0	0	25	0	0	0.0	0	0	0
Conopeum cf. seurati	9.7	0	0	0	0	0.0	0	0	13	0	0	0	5.8	0	0	0
Hydrozoa	9.0	0	0	0	0	0.0	0	0	1	25	0	0	0.0	0	0	0
Neureclipsis sp.	3.1	0	0	0	0	3.1	0	0	0	0	0	0	0.0	0	0	0
Enallagma coecum	1.6	0	0	0	0	1.6	0	0	0	0	0	0	0.0	0	0	0
Melanoides turriculus	1.6	0	0	0	0	1.6	0	0	0	0	0	0	0.0	0	0	0
Aevertillia sp.	1.0	0	0	0	0	0.0	0	0	0	0	0	0	1.0	0	0	0
Biflustra arborescens	1.0	0	0	0	0	0.0	0	0	1	0	0	0	1.0	0	0	0
Campanulariidae	1.0	0	0	0	1	0.0	0	0	1	0	0	0	0.0	0	0	0
Campanulariidae sp. A of EPC	1.0	0	0	0	0	0.0	0	0	0	0	0	0	1.0	0	0	0
Cheilostomatida	1.0	0	0	0	0	0.0	0	0	1	0	0	0	0.0	0	0	0
Cliona sp.	1.0	0	0	0	1	0.0	0	0	1	0	0	0	0.0	0	0	0
Hippoporina indica	1.0	0	0	0	0	0.0	0	0	1	0	0	0	1.0	0	0	0
Membranipora sp.	1.0	0	0	0	0	0.0	0	0	1	0	0	0	0.0	0	0	0
Schizoporella sp.	1.0	0	0	0	1	0.0	0	0	0	0	0	0	0.0	0	0	0
Palaemonetes pugio	0.0	0	0	0	0	0.0	0	0	0	0	0	0	0.0	0	0	0

4.2.1.5 Summary statistics of density of organisms.

variable	n	min	max	median	q1	q3	iqr	mad	mean	sd	se	ci
result_m2	7289	0	47250	75	25	325	300	74	618	2120	25	49

4.2.1.6 Summary statistics of densities by MFL Period

MFL Period	variable	n	min	max	median	q1	q3	iqr	mad	mean	sd	se	ci
Period 1	result_m2	1356	1	47250	62	25	200	175	56	465	2074	56	111
Period 2	result_m2	3413	0	33575	75	25	275	250	74	632	2258	39	76
Period 3	result_m2	1827	1	33875	100	25	375	350	111	690	2120	50	97
Period 5	result_m2	693	43	15565	174	43	652	609	193	659	1363	52	102

4.2.1.7 Summary statistics of densities by River Segment

River Segment	variable	n	min	max	median	q1	q3	iqr	mad	mean	sd	se	ci
Upper	result_m2	823	0	15825	100	43	425	382	111	597	1550	54	106
Middle	result_m2	597	25	27175	100	43	500	457	111	704	1971	81	158
Lower	result_m2	437	25	15565	125	43	500	457	148	753	1914	92	180
Downstream	result_m2	5432	1	47250	75	25	275	250	74	601	2224	30	59

4.2.1.8 Summary statistics of densities by MFL period and River segment

River Segment	MFL Period	variable	n	min	max	median	q1	q3	iqr	mad	mean	sd	se	ci
Upper	Period 1	result_m2	50	25	4275	75	25	700	675	74	564	927	131	263
Middle	Period 1	result_m2	24	25	3575	100	25	975	950	111	656	975	199	412
Lower	Period 1	result_m2	32	25	3375	100	25	281	256	111	322	634	112	228
Downstream	Period 1	result_m2	1250	1	47250	50	25	175	150	37	461	2146	61	119
Upper	Period 2	result_m2	275	0	15825	75	25	262	238	74	627	1917	116	228
Middle	Period 2	result_m2	234	25	27175	75	25	400	375	74	804	2681	175	345
Lower	Period 2	result_m2	179	25	13350	75	25	300	275	74	694	1932	144	285
Downstream	Period 2	result_m2	2725	1	33575	75	25	275	250	74	613	2270	43	85
Upper	Period 3	result_m2	154	25	14975	75	25	300	275	74	667	1951	157	311
Middle	Period 3	result_m2	128	25	5675	100	25	381	356	111	507	1070	95	187
Lower	Period 3	result_m2	88	25	13925	100	25	494	469	111	869	2256	241	478
Downstream	Period 3	result_m2	1457	1	33875	100	25	375	350	111	697	2198	58	113
Upper	Period 5	result_m2	344	43	7783	174	43	565	522	193	545	998	54	106
Middle	Period 5	result_m2	211	43	10478	174	43	652	609	193	719	1488	102	202
Lower	Period 5	result_m2	138	43	15565	217	54	739	685	258	854	1848	157	311

4.2.1.9 Summary statistics of density of organisms by river segment and MFL period

River Segment	MFL Period	variable	n	min	max	median	q1	q3	iqr	mad	mean	sd	se	ci
Upper	Period 1	result_m2	50	25	4275	75	25	700	675	74	564	927	131	263
Upper	Period 2	result_m2	275	0	15825	75	25	262	238	74	627	1917	116	228
Upper	Period 3	result_m2	154	25	14975	75	25	300	275	74	667	1951	157	311
Upper	Period 5	result_m2	344	43	7783	174	43	565	522	193	545	998	54	106
Middle	Period 1	result_m2	24	25	3575	100	25	975	950	111	656	975	199	412
Middle	Period 2	result_m2	234	25	27175	75	25	400	375	74	804	2681	175	345
Middle	Period 3	result_m2	128	25	5675	100	25	381	356	111	507	1070	95	187
Middle	Period 5	result_m2	211	43	10478	174	43	652	609	193	719	1488	102	202
Lower	Period 1	result_m2	32	25	3375	100	25	281	256	111	322	634	112	228
Lower	Period 2	result_m2	179	25	13350	75	25	300	275	74	694	1932	144	285
Lower	Period 3	result_m2	88	25	13925	100	25	494	469	111	869	2256	241	478
Lower	Period 5	result_m2	138	43	15565	217	54	739	685	258	854	1848	157	311
Downstream	Period 1	result_m2	1250	1	47250	50	25	175	150	37	461	2146	61	119
Downstream	Period 2	result_m2	2725	1	33575	75	25	275	250	74	613	2270	43	85
Downstream	Period 3	result_m2	1457	1	33875	100	25	375	350	111	697	2198	58	113

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4.2.1.10 Summary statistics of density by taxon, river segment, and MFL period

River Segment	Final Taxa	MFL Period	variable	n	min	max	median	q1	q3	iqr	mad	mean	sd	se	ci
Downstream	Grandidierella bonnieroides	Period 3	result_m2	57	50.00	33875.0	1275.0	150.0	4700.0	4550.0	1779	3970.2	6281.7	832.0	1666.8
Downstream	Leptochelia sp.	Period 3	result_m2	2	2375.00	3775.0	3075.0	2725.0	3425.0	700.0	1038	3075.0	990.0	700.0	8894.3
Downstream	Monticellina dorsobranchialis	Period 3	result_m2	15	25.00	15250.0	800.0	137.5	1550.0	1412.5	1112	2188.3	4052.3	1046.3	2244.1
Downstream	Streblospio gynobranchiata	Period 3	result_m2	54	25.00	24325.0	712.5	206.2	2125.0	1918.8	890	1968.5	3688.3	501.9	1006.7
Downstream	Mytilopsis leucophaeata	Period 3	result_m2	35	25.00	29600.0	200.0	37.5	1150.0	1112.5	259	1930.7	5608.7	948.0	1926.7
Downstream	Laeonereis culveri	Period 3	result_m2	44	25.00	10425.0	687.5	175.0	1793.8	1618.8	797	1760.2	2629.1	396.4	799.3
Downstream	Naididae	Period 3	result_m2	64	25.00	7300.0	625.0	168.8	1925.0	1756.2	778	1446.5	1883.4	235.4	470.4
Downstream	Laeonereis cf. longula	Period 3	result_m2	5	25.00	2975.0	925.0	625.0	1800.0	1175.0	1297	1270.0	1148.2	513.5	1425.6
Downstream	Littoridinops sp.	Period 3	result_m2	6	25.00	6150.0	275.0	31.2	650.0	618.8	371	1241.7	2421.4	988.5	2541.1
Downstream	Ampelisca abdita	Period 3	result_m2	29	25.00	10375.0	125.0	75.0	475.0	400.0	148	1186.2	2567.0	476.7	976.5
Downstream	Kirkegaardia sp.	Period 3	result_m2	5	25.00	4700.0	250.0	75.0	375.0	300.0	259	1085.0	2025.7	905.9	2515.2
Downstream	Streblospio sp.	Period 3	result_m2	4	375.00	2525.0	700.0	562.5	1212.5	650.0	297	1075.0	980.6	490.3	1560.4
Downstream	Hargeria/Leptochelia sp. complex	Period 3	result_m2	29	25.00	11975.0	100.0	50.0	275.0	225.0	111	1065.5	2947.2	547.3	1121.0
Downstream	Stenoninereis martini	Period 3	result_m2	45	25.00	7500.0	325.0	75.0	1175.0	1100.0	445	1061.1	1709.7	254.9	513.7
Downstream	Mysella planulata	Period 3	result_m2	18	25.00	3450.0	812.5	212.5	1306.2	1093.8	834	972.2	999.7	235.6	497.1
Downstream	Melita nitida complex	Period 3	result_m2	20	25.00	13925.0	125.0	25.0	262.5	237.5	148	837.5	3083.5	689.5	1443.1
Downstream	Paranais litoralis	Period 3	result_m2	7	25.00	4075.0	75.0	25.0	787.5	762.5	74	828.6	1523.5	575.8	1409.0
Downstream	Limnodriloides sp.	Period 3	result_m2	33	25.00	3850.0	400.0	75.0	625.0	550.0	482	768.9	1099.7	191.4	389.9
Downstream	Polydora cornuta	Period 3	result_m2	3	25.00	2225.0	25.0	25.0	1125.0	1100.0	0	758.3	1270.2	733.3	3155.3
Downstream	Littoridinops palustris	Period 3	result_m2	2	275.00	1050.0	662.5	468.8	856.2	387.5	575	662.5	548.0	387.5	4923.6
Downstream	Melanoides tuberculata	Period 3	result_m2	34	25.00	5725.0	162.5	81.2	381.2	300.0	130	593.4	1141.7	195.8	398.3
Downstream	Rissooidea sp. B of EPC	Period 3	result_m2	2	500.00	675.0	587.5	543.8	631.2	87.5	130	587.5	123.7	87.5	1111.8
Downstream	Chironomus sp.	Period 3	result_m2	11	25.00	2200.0	200.0	37.5	875.0	837.5	259	554.5	737.6	222.4	495.6
Downstream	Gammarida sp.	Period 3	result_m2	17	25.00	6750.0	25.0	25.0	300.0	275.0	0	532.4	1615.4	391.8	830.5
Downstream	Aricidea (Acmira) taylori	Period 3	result_m2	17	25.00	3700.0	275.0	75.0	575.0	500.0	334	519.1	868.8	210.7	446.7
Downstream	Capitella capitata sp. complex	Period 3	result_m2	30	25.00	2300.0	375.0	87.5	893.8	806.2	463	511.7	530.7	96.9	198.2
Downstream	Almyracuma bacescui	Period 3	result_m2	29	25.00	7650.0	125.0	50.0	375.0	325.0	148	487.9	1404.0	260.7	534.1
Downstream	Tubificoides brownae	Period 3	result_m2	25	25.00	3025.0	150.0	75.0	325.0	250.0	185	452.0	779.8	156.0	321.9
Downstream	Abra aequalis	Period 3	result_m2	9	25.00	1675.0	200.0	125.0	600.0	475.0	185	438.9	523.5	174.5	402.4
Downstream	Monocorophium acherusicum	Period 3	result_m2	4	25.00	1000.0	287.5	212.5	475.0	262.5	204	400.0	418.8	209.4	666.5
Downstream	Dicrotendipes lobus	Period 3	result_m2	2	25.00	750.0	387.5	206.2	568.8	362.5	537	387.5	512.6	362.5	4606.0
Downstream	Cyathura polita	Period 3	result_m2	25	50.00	1275.0	325.0	150.0	475.0	325.0	259	385.0	305.4	61.1	126.1
Downstream	Melinna maculata	Period 3	result_m2	38	25.00	4550.0	100.0	50.0	218.8	168.8	111	384.9	856.7	139.0	281.6
Downstream	Nereis pelagica occidentalis	Period 3	result_m2	1	375.00	375.0	375.0	375.0	375.0	0.0	0	375.0	NA	NA	NaN

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Downstream	Crassostrea virginica	Period 3	result_m2	5	25.00	1325.0	25.0	25.0	225.0	200.0	0	325.0	565.7	253.0	702.4
Downstream	Crepidula depressa	Period 3	result_m2	3	50.00	875.0	50.0	50.0	462.5	412.5	0	325.0	476.3	275.0	1183.2
Downstream	Dicrotendipes modestus	Period 3	result_m2	1	325.00	325.0	325.0	325.0	325.0	0.0	0	325.0	NA	NA	NaN
Downstream	Anthozoa sp.	Period 3	result_m2	18	25.00	1850.0	75.0	25.0	418.8	393.8	74	305.6	473.3	111.6	235.4
Downstream	Amphibalanus spp.	Period 3	result_m2	2	50.00	550.0	300.0	175.0	425.0	250.0	371	300.0	353.6	250.0	3176.6
Downstream	Capitella jonesi	Period 3	result_m2	14	25.00	1900.0	125.0	37.5	193.8	156.2	130	258.9	486.4	130.0	280.9
Downstream	Hydrobiidae	Period 3	result_m2	15	25.00	1050.0	125.0	37.5	337.5	300.0	148	258.3	346.5	89.5	191.9
Downstream	Amphibalanus subalbidus	Period 3	result_m2	1	250.00	250.0	250.0	250.0	250.0	0.0	0	250.0	NA	NA	NaN
Downstream	Polydora cornuta sp. complex	Period 3	result_m2	24	25.00	2675.0	75.0	25.0	156.2	131.2	74	247.9	582.1	118.8	245.8
Downstream	Edotia triloba	Period 3	result_m2	38	25.00	2225.0	125.0	50.0	193.8	143.8	111	240.8	405.3	65.8	133.2
Downstream	Cerapus sp. C of LeCroy, 2007	Period 3	result_m2	4	25.00	600.0	150.0	100.0	281.2	181.2	111	231.2	253.6	126.8	403.6
Downstream	Leodamas rubrus	Period 3	result_m2	1	225.00	225.0	225.0	225.0	225.0	0.0	0	225.0	NA	NA	NaN
Downstream	Pyrgophorus platyrachis	Period 3	result_m2	3	25.00	425.0	200.0	112.5	312.5	200.0	259	216.7	200.5	115.8	498.1
Downstream	Aricidea sp.	Period 3	result_m2	8	25.00	925.0	50.0	43.8	168.8	125.0	19	212.5	334.1	118.1	279.3
Downstream	Palaeonemertea sp. A of EPC	Period 3	result_m2	4	25.00	325.0	250.0	175.0	287.5	112.5	74	212.5	131.5	65.8	209.2
Downstream	Dipolydora socialis	Period 3	result_m2	8	25.00	775.0	25.0	25.0	200.0	175.0	0	206.2	335.9	118.8	280.8
Downstream	Cyclostremiscus pentagonus	Period 3	result_m2	1	175.00	175.0	175.0	175.0	175.0	0.0	0	175.0	NA	NA	NaN
Downstream	Minuspio perkinsi	Period 3	result_m2	9	25.00	500.0	100.0	75.0	250.0	175.0	111	175.0	150.5	50.2	115.7
Downstream	Polydora websteri	Period 3	result_m2	4	25.00	400.0	137.5	100.0	212.5	112.5	93	175.0	159.4	79.7	253.7
Downstream	Leitoscoloplos foliosus	Period 3	result_m2	11	25.00	900.0	50.0	25.0	175.0	150.0	37	168.2	266.9	80.5	179.3
Downstream	Lumbrineris nonatoi	Period 3	result_m2	2	100.00	225.0	162.5	131.2	193.8	62.5	93	162.5	88.4	62.5	794.1
Downstream	Macoploima tenta	Period 3	result_m2	2	75.00	250.0	162.5	118.8	206.2	87.5	130	162.5	123.7	87.5	1111.8
Downstream	Nereis sp. A	Period 3	result_m2	3	25.00	400.0	25.0	25.0	212.5	187.5	0	150.0	216.5	125.0	537.8
Downstream	Aricidea (Acmira) philbinae	Period 3	result_m2	12	25.00	625.0	87.5	43.8	181.2	137.5	93	143.8	166.6	48.1	105.8
Downstream	Acteocina canaliculata	Period 3	result_m2	11	25.00	550.0	50.0	50.0	125.0	75.0	0	140.9	179.7	54.2	120.7
Downstream	Vitrinella floridana	Period 3	result_m2	7	25.00	350.0	75.0	25.0	225.0	200.0	74	135.7	142.8	54.0	132.1
Downstream	Cyclaspis varians	Period 3	result_m2	10	25.00	375.0	100.0	31.2	143.8	112.5	93	130.0	124.6	39.4	89.1
Downstream	Amphibalanus venustus	Period 3	result_m2	1	125.00	125.0	125.0	125.0	125.0	0.0	0	125.0	NA	NA	NaN
Downstream	Nemertea	Period 3	result_m2	46	25.00	450.0	75.0	31.2	175.0	143.8	74	115.8	101.0	14.9	30.0
Downstream	Hargeria rapax	Period 3	result_m2	9	25.00	425.0	50.0	25.0	100.0	75.0	37	113.9	136.4	45.5	104.9
Downstream	Ampelisca sp.	Period 3	result_m2	12	25.00	375.0	75.0	43.8	143.8	100.0	74	112.5	105.8	30.5	67.2
Downstream	Mulinia lateralis	Period 3	result_m2	16	25.00	650.0	75.0	25.0	131.2	106.2	74	112.5	154.1	38.5	82.1
Downstream	Rhithropanopeus harrisi	Period 3	result_m2	34	25.00	475.0	75.0	31.2	125.0	93.8	74	108.8	106.0	18.2	37.0
Downstream	Kurtiella planulata	Period 3	result_m2	3	50.00	225.0	50.0	50.0	137.5	87.5	0	108.3	101.0	58.3	251.0
Downstream	Alitta succinea	Period 3	result_m2	10	25.00	550.0	37.5	25.0	87.5	62.5	19	107.5	165.0	52.2	118.0
Downstream	Syllis gracilis	Period 3	result_m2	1	100.00	100.0	100.0	100.0	100.0	0.0	0	100.0	NA	NA	NaN
Downstream	Ampelisca holmesi	Period 3	result_m2	10	25.00	250.0	75.0	50.0	131.2	81.2	56	95.0	73.4	23.2	52.5

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Downstream	Polymesoda caroliniana	Period 3	result_m2	10	25.00	350.0	37.5	25.0	68.8	43.8	19	95.0	122.9	38.9	87.9
Downstream	Apocorophium louisianum	Period 3	result_m2	8	25.00	275.0	50.0	25.0	112.5	87.5	37	93.8	98.9	35.0	82.7
Downstream	Paracaprella tenuis	Period 3	result_m2	7	25.00	300.0	50.0	37.5	100.0	62.5	37	92.9	97.6	36.9	90.3
Downstream	Sphenia fragilis	Period 3	result_m2	7	25.00	450.0	25.0	25.0	37.5	12.5	0	89.3	159.3	60.2	147.4
Downstream	Actiniaria	Period 3	result_m2	2	50.00	125.0	87.5	68.8	106.2	37.5	56	87.5	53.0	37.5	476.5
Downstream	Astyris lunata	Period 3	result_m2	3	25.00	125.0	100.0	62.5	112.5	50.0	37	83.3	52.0	30.1	129.3
Downstream	Monopylephorus rubroniveus	Period 3	result_m2	4	50.00	175.0	50.0	50.0	81.2	31.2	0	81.2	62.5	31.2	99.5
Downstream	Tagelus plebeius	Period 3	result_m2	10	25.00	400.0	25.0	25.0	68.8	43.8	0	80.0	117.1	37.0	83.8
Downstream	Panopeidae	Period 3	result_m2	11	25.00	325.0	50.0	37.5	75.0	37.5	37	79.5	85.0	25.6	57.1
Downstream	Paraprionospio yokoyamai	Period 3	result_m2	18	25.00	275.0	50.0	25.0	100.0	75.0	37	76.4	66.7	15.7	33.2
Downstream	Amygdalum papyrium	Period 3	result_m2	12	25.00	300.0	25.0	25.0	75.0	50.0	0	75.0	91.1	26.3	57.9
Downstream	Arenicola cristata	Period 3	result_m2	2	25.00	125.0	75.0	50.0	100.0	50.0	74	75.0	70.7	50.0	635.3
Downstream	Enchytraeidae	Period 3	result_m2	2	50.00	100.0	75.0	62.5	87.5	25.0	37	75.0	35.4	25.0	317.6
Downstream	Gammarus sp.	Period 3	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Downstream	Paraheione luteola	Period 3	result_m2	2	50.00	100.0	75.0	62.5	87.5	25.0	37	75.0	35.4	25.0	317.6
Downstream	Hobsonia florida	Period 3	result_m2	19	25.00	250.0	50.0	25.0	75.0	50.0	37	68.4	61.7	14.2	29.8
Downstream	Cyrenoida floridana	Period 3	result_m2	5	25.00	175.0	50.0	25.0	50.0	25.0	37	65.0	62.8	28.1	77.9
Downstream	Polydora sp.	Period 3	result_m2	7	25.00	200.0	50.0	25.0	62.5	37.5	37	64.3	62.7	23.7	58.0
Downstream	Phyllodoce arenae	Period 3	result_m2	9	25.00	125.0	50.0	50.0	75.0	25.0	37	63.9	37.7	12.6	29.0
Downstream	Glottidia pyramidata	Period 3	result_m2	2	25.00	100.0	62.5	43.8	81.2	37.5	56	62.5	53.0	37.5	476.5
Downstream	Heteromastus sp.	Period 3	result_m2	2	25.00	100.0	62.5	43.8	81.2	37.5	56	62.5	53.0	37.5	476.5
Downstream	Podarkeopsis levifusca	Period 3	result_m2	9	25.00	150.0	50.0	25.0	75.0	50.0	37	61.1	43.5	14.5	33.4
Downstream	Hourstonius laguna	Period 3	result_m2	8	25.00	100.0	50.0	25.0	100.0	75.0	37	59.4	37.6	13.3	31.5
Downstream	Dicrotendipes sp.	Period 3	result_m2	4	25.00	125.0	37.5	25.0	68.8	43.8	19	56.2	47.3	23.7	75.3
Downstream	Scoloplos rubra	Period 3	result_m2	10	25.00	175.0	37.5	25.0	68.8	43.8	19	55.0	46.8	14.8	33.5
Downstream	Asthenothaerus hemphilli	Period 3	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Boccardiella ligerica	Period 3	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Boonea impressa	Period 3	result_m2	2	25.00	75.0	50.0	37.5	62.5	25.0	37	50.0	35.4	25.0	317.6
Downstream	Eupleura caudata	Period 3	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Hydroides dianthus	Period 3	result_m2	3	25.00	75.0	50.0	37.5	62.5	25.0	37	50.0	25.0	14.4	62.1
Downstream	Marphysa sp. A of EPC	Period 3	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Oxydromus obscurus	Period 3	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Pinnotheridae	Period 3	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Pristina (Pristina) proboscidea	Period 3	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Sphaerosyllis taylori	Period 3	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Teinostoma biscaynense	Period 3	result_m2	2	25.00	75.0	50.0	37.5	62.5	25.0	37	50.0	35.4	25.0	317.6
Downstream	Mediomastus cf. ambiseta	Period 3	result_m2	9	25.00	100.0	25.0	25.0	75.0	50.0	0	47.2	29.2	9.7	22.4

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Downstream	Sigambra bassi	Period 3	result_m2	5	25.00	75.0	50.0	25.0	50.0	25.0	37	45.0	20.9	9.3	26.0
Downstream	Sigambra tentaculata	Period 3	result_m2	10	25.00	100.0	37.5	25.0	50.0	25.0	19	45.0	25.8	8.2	18.5
Downstream	Ficopomatus miamiensis	Period 3	result_m2	3	25.00	50.0	50.0	37.5	50.0	12.5	0	41.7	14.4	8.3	35.9
Downstream	Ficopomatus sp.	Period 3	result_m2	3	25.00	75.0	25.0	25.0	50.0	25.0	0	41.7	28.9	16.7	71.7
Downstream	Eteone heteropoda	Period 3	result_m2	5	25.00	75.0	25.0	25.0	50.0	25.0	0	40.0	22.4	10.0	27.8
Downstream	Carazziella hobsonae	Period 3	result_m2	7	25.00	75.0	25.0	25.0	50.0	25.0	0	39.3	24.4	9.2	22.6
Downstream	Amphibalanus eburneus	Period 3	result_m2	4	25.00	75.0	25.0	25.0	37.5	12.5	0	37.5	25.0	12.5	39.8
Downstream	Chironomidae	Period 3	result_m2	4	25.00	50.0	37.5	25.0	50.0	25.0	19	37.5	14.4	7.2	23.0
Downstream	Ficopomatus uschakovi	Period 3	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Downstream	Glycera americana	Period 3	result_m2	8	25.00	50.0	37.5	25.0	50.0	25.0	19	37.5	13.4	4.7	11.2
Downstream	Prosobranchia sp.	Period 3	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Downstream	Schistomeringos cf. rudolphi	Period 3	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Downstream	Gastropoda	Period 3	result_m2	9	25.00	75.0	25.0	25.0	50.0	25.0	0	36.1	18.2	6.0	14.0
Downstream	Glycinde multidentis	Period 3	result_m2	6	25.00	50.0	25.0	25.0	43.8	18.8	0	33.3	12.9	5.3	13.6
Downstream	Tagelus divisus	Period 3	result_m2	3	25.00	50.0	25.0	25.0	37.5	12.5	0	33.3	14.4	8.3	35.9
Downstream	Erpobdella punctata	Period 3	result_m2	13	25.00	50.0	25.0	25.0	50.0	25.0	0	32.7	12.0	3.3	7.3
Downstream	Diopatra cuprea	Period 3	result_m2	5	25.00	50.0	25.0	25.0	25.0	0.0	0	30.0	11.2	5.0	13.9
Downstream	Alpheus armillatus	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Americamysis stucki	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Anadara transversa	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Anthothecata sp.	Period 3	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Arcuatula papyria	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Cassidinidea ovalis	Period 3	result_m2	4	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Ceratopogonide	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Cerebratulus lacteus	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Chaoborus sp.	Period 3	result_m2	3	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Collembola	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Decapoda	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Eudendrium sp.	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Euhirudinea sp.	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Ficopomatus enigmaticus	Period 3	result_m2	3	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Gammarus mucronatus	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Hyalella azteca	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Hydroides sanctaecrucis	Period 3	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Leitoscoloplos sp.	Period 3	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Magelona pettiboneae	Period 3	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Melita elongata	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN

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Downstream	Membranipora cf. arborescens	Period 3	result_m2	11	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Neanthes micromma	Period 3	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Nephtys cryptomma	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Oxyurostylis lecrovae	Period 3	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Parvanachis obesa	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Pectinaria gouldii	Period 3	result_m2	4	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Phoronis sp.	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Phrontis vibex	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Pinnixa sp.	Period 3	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Polypedilum illinoense grp.	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Polypedilum scalaenum grp.	Period 3	result_m2	3	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Prionospio heterobranchia	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Pseudopotamilla fitzhughii	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Scolecopsis texana	Period 3	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Sessilia sp.	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Spiochaetopterus oculatus	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Spionidae	Period 3	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Tanytarsus sp.	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Tectonatica pusilla	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Tellinidae	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Turbonilla cf. conradi	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Turbonilla hemphilli	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Xanthoidea	Period 3	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Conopeum cf. seurati	Period 3	result_m2	5	1.00	25.0	1.0	1.0	1.0	0.0	0	5.8	10.7	4.8	13.3
Downstream	Aeverrillia sp.	Period 3	result_m2	1	1.00	1.0	1.0	1.0	1.0	0.0	0	1.0	NA	NA	NaN
Downstream	Biflustra arborescens	Period 3	result_m2	1	1.00	1.0	1.0	1.0	1.0	0.0	0	1.0	NA	NA	NaN
Downstream	Campanulariidae sp. A of EPC	Period 3	result_m2	1	1.00	1.0	1.0	1.0	1.0	0.0	0	1.0	NA	NA	NaN
Downstream	Hippoporina indica	Period 3	result_m2	1	1.00	1.0	1.0	1.0	1.0	0.0	0	1.0	NA	NA	NaN
Downstream	Polypedilum halterale grp.	Period 2	result_m2	28	25.00	17925.0	862.5	168.8	5012.5	4843.8	1205	3137.5	4743.5	896.4	1839.3
Downstream	Grandidierella bonnieroides	Period 2	result_m2	94	25.00	33575.0	412.5	56.2	2075.0	2018.8	575	2968.9	7142.5	736.7	1462.9
Downstream	Polydora websteri	Period 2	result_m2	8	25.00	12125.0	350.0	43.8	2475.0	2431.2	463	2690.6	4675.2	1653.0	3908.6
Downstream	Pyrgophorus platyrachis	Period 2	result_m2	18	25.00	21275.0	687.5	106.2	2562.5	2456.2	982	2681.9	5150.8	1214.0	2561.4
Downstream	Kirkegaardia sp.	Period 2	result_m2	16	25.00	21125.0	150.0	25.0	306.2	281.2	185	2610.9	6667.3	1666.8	3552.7
Downstream	Streblospio sp.	Period 2	result_m2	52	25.00	24750.0	512.5	75.0	2706.2	2631.2	723	2313.9	4437.9	615.4	1235.5
Downstream	Laeonereis culveri	Period 2	result_m2	67	25.00	16925.0	325.0	87.5	1737.5	1650.0	445	1729.5	3160.6	386.1	770.9
Downstream	Littoridinops palustris	Period 2	result_m2	28	75.00	9875.0	512.5	256.2	1912.5	1656.2	630	1581.2	2329.3	440.2	903.2
Downstream	Stenoninereis martini	Period 2	result_m2	124	25.00	26725.0	262.5	50.0	1250.0	1200.0	352	1471.6	3616.5	324.8	642.9

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Downstream	Streblospio gynobranchiata	Period 2	result_m2	20	25.00	5125.0	600.0	75.0	1756.2	1681.2	778	1406.2	1835.7	410.5	859.1
Downstream	Melita elongata	Period 2	result_m2	2	25.00	2650.0	1337.5	681.2	1993.8	1312.5	1946	1337.5	1856.2	1312.5	16676.9
Downstream	Hargeria/Leptochelia sp. complex	Period 2	result_m2	15	25.00	14500.0	250.0	112.5	550.0	437.5	297	1321.7	3671.3	947.9	2033.1
Downstream	Naididae	Period 2	result_m2	128	25.00	21625.0	187.5	50.0	843.8	793.8	241	1191.2	2893.7	255.8	506.1
Downstream	Crepidula depressa	Period 2	result_m2	9	25.00	3575.0	525.0	50.0	2025.0	1975.0	741	1155.6	1352.8	450.9	1039.8
Downstream	Tubificoides brownae	Period 2	result_m2	41	25.00	5175.0	500.0	100.0	1650.0	1550.0	667	1094.5	1323.2	206.7	417.6
Downstream	Amphibalanus improvisus	Period 2	result_m2	14	25.00	9975.0	50.0	25.0	237.5	212.5	37	1017.9	2665.5	712.4	1539.0
Downstream	Capitella capitata sp. complex	Period 2	result_m2	35	25.00	8300.0	150.0	25.0	862.5	837.5	185	932.1	1946.0	328.9	668.5
Downstream	Ostrea equestris	Period 2	result_m2	1	925.00	925.0	925.0	925.0	925.0	0.0	0	925.0	NA	NA	NaN
Downstream	Melinna maculata	Period 2	result_m2	78	25.00	11250.0	250.0	50.0	1037.5	987.5	334	915.7	1895.2	214.6	427.3
Downstream	Littoridinops monroensis	Period 2	result_m2	1	750.00	750.0	750.0	750.0	750.0	0.0	0	750.0	NA	NA	NaN
Downstream	Hydroides sanctaecrucis	Period 2	result_m2	3	125.00	1825.0	150.0	137.5	987.5	850.0	37	700.0	974.4	562.5	2420.4
Downstream	Arcuatula papyria	Period 2	result_m2	10	25.00	4325.0	287.5	75.0	531.2	456.2	352	672.5	1303.4	412.2	932.4
Downstream	Paraprionospio sp.	Period 2	result_m2	16	25.00	6625.0	62.5	25.0	387.5	362.5	56	659.4	1667.2	416.8	888.4
Downstream	Hourstonius laguna	Period 2	result_m2	13	25.00	5625.0	125.0	75.0	250.0	175.0	148	625.0	1522.0	422.1	919.8
Downstream	Serpula sp.	Period 2	result_m2	1	625.00	625.0	625.0	625.0	625.0	0.0	0	625.0	NA	NA	NaN
Downstream	Crassostrea virginica	Period 2	result_m2	7	25.00	1725.0	175.0	100.0	900.0	800.0	185	560.7	727.0	274.8	672.4
Downstream	Leitoscoloplos sp.	Period 2	result_m2	15	25.00	3950.0	100.0	75.0	475.0	400.0	37	545.0	1028.4	265.5	569.5
Downstream	Amphibalanus eburneus	Period 2	result_m2	11	25.00	2425.0	300.0	50.0	462.5	412.5	334	534.1	747.9	225.5	502.5
Downstream	Amakusanthura magnifica	Period 2	result_m2	2	125.00	925.0	525.0	325.0	725.0	400.0	593	525.0	565.7	400.0	5082.5
Downstream	Melita longisetosa	Period 2	result_m2	1	500.00	500.0	500.0	500.0	500.0	0.0	0	500.0	NA	NA	NaN
Downstream	Kurtiella planulata	Period 2	result_m2	13	25.00	2425.0	100.0	25.0	225.0	200.0	111	450.0	759.2	210.6	458.8
Downstream	Polypedilum sp.	Period 2	result_m2	27	25.00	2650.0	175.0	50.0	650.0	600.0	185	445.4	630.5	121.3	249.4
Downstream	Polydora cornuta sp. complex	Period 2	result_m2	12	25.00	3025.0	212.5	50.0	243.8	193.8	185	443.8	842.8	243.3	535.5
Downstream	Abra aequalis	Period 2	result_m2	3	25.00	1000.0	300.0	162.5	650.0	487.5	408	441.7	502.7	290.2	1248.8
Downstream	Schistomeringos cf. rudolphi	Period 2	result_m2	8	25.00	1400.0	250.0	100.0	675.0	575.0	278	434.4	468.8	165.8	392.0
Downstream	Dipolydora socialis	Period 2	result_m2	9	25.00	2050.0	50.0	25.0	175.0	150.0	37	402.8	712.3	237.4	547.5
Downstream	Laeonereis cf. longula	Period 2	result_m2	36	25.00	4675.0	100.0	25.0	231.2	206.2	111	401.4	931.9	155.3	315.3
Downstream	Limnodriloides sp.	Period 2	result_m2	1	400.00	400.0	400.0	400.0	400.0	0.0	0	400.0	NA	NA	NaN
Downstream	Corbicula fluminea	Period 2	result_m2	16	25.00	1600.0	225.0	131.2	418.8	287.5	204	395.3	449.4	112.3	239.4
Downstream	Macoploima tenta	Period 2	result_m2	5	25.00	1225.0	75.0	50.0	550.0	500.0	74	385.0	517.4	231.4	642.4
Downstream	Melanoides tuberculata	Period 2	result_m2	33	25.00	5000.0	50.0	25.0	200.0	175.0	37	382.6	974.2	169.6	345.4
Downstream	Actiniaria	Period 2	result_m2	9	25.00	2375.0	50.0	50.0	150.0	100.0	37	380.6	767.7	255.9	590.1
Downstream	Boccardiella cf. hamata	Period 2	result_m2	1	375.00	375.0	375.0	375.0	375.0	0.0	0	375.0	NA	NA	NaN
Downstream	Melita nitida complex	Period 2	result_m2	17	25.00	3075.0	100.0	50.0	300.0	250.0	111	364.7	748.1	181.4	384.6
Downstream	Mytilopsis leucophaeata	Period 2	result_m2	58	25.00	7725.0	75.0	31.2	200.0	168.8	74	356.9	1120.7	147.2	294.7
Downstream	Polypedilum scalaenum grp.	Period 2	result_m2	31	25.00	2050.0	150.0	50.0	450.0	400.0	185	354.0	486.1	87.3	178.3

Downstream	Almyracuma bacescui	Period 2	result_m2	28	25.00	2900.0	137.5	25.0	412.5	387.5	167	341.1	592.6	112.0	229.8
Downstream	Minuspio perkinsi	Period 2	result_m2	2	25.00	650.0	337.5	181.2	493.8	312.5	463	337.5	441.9	312.5	3970.7
Downstream	Melita sp.	Period 2	result_m2	1	325.00	325.0	325.0	325.0	325.0	0.0	0	325.0	NA	NA	NaN
Downstream	Dipolydora/Boccardiella grp.	Period 2	result_m2	5	25.00	1125.0	50.0	25.0	275.0	250.0	37	300.0	473.0	211.5	587.3
Downstream	Anthozoa sp.	Period 2	result_m2	7	25.00	1150.0	50.0	50.0	375.0	325.0	37	296.4	411.7	155.6	380.7
Downstream	Nereiphylla castanea	Period 2	result_m2	7	25.00	1100.0	125.0	62.5	350.0	287.5	148	296.4	380.4	143.8	351.8
Downstream	Streblospio benedicti	Period 2	result_m2	14	25.00	1900.0	87.5	25.0	237.5	212.5	93	291.1	514.6	137.6	297.1
Downstream	Aulophorus flabelliger	Period 2	result_m2	5	25.00	1025.0	100.0	25.0	275.0	250.0	111	290.0	423.4	189.3	525.7
Downstream	Thalassodrilides gurwitschi	Period 2	result_m2	5	25.00	1075.0	75.0	50.0	125.0	75.0	74	270.0	451.5	201.9	560.6
Downstream	Chironomus sp.	Period 2	result_m2	44	25.00	2700.0	50.0	50.0	200.0	150.0	37	259.1	518.6	78.2	157.7
Downstream	Procladius (Holotanypus) sp.	Period 2	result_m2	14	50.00	1075.0	100.0	50.0	150.0	100.0	74	258.9	363.7	97.2	210.0
Downstream	Amygdalum papyrium	Period 2	result_m2	18	25.00	1675.0	50.0	25.0	381.2	356.2	37	258.3	409.1	96.4	203.4
Downstream	Ampelisca abdita	Period 2	result_m2	39	25.00	2750.0	50.0	25.0	212.5	187.5	37	253.8	554.5	88.8	179.8
Downstream	Capitella sp.	Period 2	result_m2	14	25.00	1075.0	100.0	31.2	225.0	193.8	111	253.6	350.4	93.7	202.3
Downstream	Palaeonemertea	Period 2	result_m2	1	250.00	250.0	250.0	250.0	250.0	0.0	0	250.0	NA	NA	NaN
Downstream	Vitrinella floridana	Period 2	result_m2	15	25.00	1375.0	100.0	37.5	325.0	287.5	111	246.7	355.3	91.7	196.8
Downstream	Prionospio perkinsi	Period 2	result_m2	6	75.00	650.0	175.0	131.2	237.5	106.2	93	241.7	209.0	85.3	219.3
Downstream	Monticellina dorsobranchialis	Period 2	result_m2	5	25.00	675.0	50.0	25.0	425.0	400.0	37	240.0	296.6	132.7	368.3
Downstream	Kelliopsis cf. texasiana	Period 2	result_m2	2	50.00	425.0	237.5	143.8	331.2	187.5	278	237.5	265.2	187.5	2382.4
Downstream	Rissooidea sp. B of EPC	Period 2	result_m2	2	100.00	375.0	237.5	168.8	306.2	137.5	204	237.5	194.4	137.5	1747.1
Downstream	Acromegalomma pigmentum	Period 2	result_m2	3	125.00	425.0	125.0	125.0	275.0	150.0	0	225.0	173.2	100.0	430.3
Downstream	Alpheus sp.	Period 2	result_m2	1	225.00	225.0	225.0	225.0	225.0	0.0	0	225.0	NA	NA	NaN
Downstream	Hemipholis cordifera	Period 2	result_m2	1	225.00	225.0	225.0	225.0	225.0	0.0	0	225.0	NA	NA	NaN
Downstream	Hobsonia florida	Period 2	result_m2	33	25.00	2125.0	50.0	25.0	225.0	200.0	37	218.9	403.4	70.2	143.0
Downstream	Mulinia lateralis	Period 2	result_m2	25	25.00	1350.0	50.0	25.0	225.0	200.0	37	216.0	343.8	68.8	141.9
Downstream	Amphibalanus spp.	Period 2	result_m2	9	25.00	800.0	75.0	25.0	175.0	150.0	74	208.3	292.9	97.6	225.1
Downstream	Aricidea (Acmira) taylori	Period 2	result_m2	19	25.00	850.0	50.0	25.0	250.0	225.0	37	200.0	266.5	61.1	128.5
Downstream	Mediomastus cf. californiensis	Period 2	result_m2	1	200.00	200.0	200.0	200.0	200.0	0.0	0	200.0	NA	NA	NaN
Downstream	Tubificoides motei	Period 2	result_m2	8	25.00	675.0	62.5	43.8	306.2	262.5	56	196.9	237.0	83.8	198.1
Downstream	Brachyura sp.	Period 2	result_m2	5	25.00	725.0	75.0	50.0	100.0	50.0	37	195.0	297.6	133.1	369.5
Downstream	Ameritella cf. mitchelli	Period 2	result_m2	7	25.00	450.0	125.0	87.5	287.5	200.0	74	192.9	171.8	64.9	158.9
Downstream	Ampelisca holmesi	Period 2	result_m2	8	25.00	700.0	112.5	25.0	237.5	212.5	130	187.5	227.6	80.5	190.2
Downstream	Apocorophium louisianum	Period 2	result_m2	7	25.00	650.0	75.0	25.0	250.0	225.0	74	185.7	244.5	92.4	226.1
Downstream	Scoloplos rubra	Period 2	result_m2	5	25.00	600.0	125.0	25.0	150.0	125.0	148	185.0	238.9	106.8	296.6
Downstream	Polydora sp.	Period 2	result_m2	11	25.00	1125.0	25.0	25.0	175.0	150.0	0	184.1	332.1	100.1	223.1
Downstream	Lumbrineris nonatoi	Period 2	result_m2	3	25.00	350.0	150.0	87.5	250.0	162.5	185	175.0	163.9	94.7	407.2
Downstream	Turbonilla cf. arnoldoi	Period 2	result_m2	1	175.00	175.0	175.0	175.0	175.0	0.0	0	175.0	NA	NA	NaN

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Downstream	Mysella planulata	Period 2	result_m2	7	25.00	825.0	50.0	37.5	87.5	50.0	37	164.3	292.6	110.6	270.6
Downstream	Cryptochironomus sp.	Period 2	result_m2	20	25.00	450.0	150.0	87.5	231.2	143.8	130	163.8	105.3	23.5	49.3
Downstream	Sphenia fragilis	Period 2	result_m2	8	25.00	900.0	50.0	25.0	75.0	50.0	37	159.4	302.1	106.8	252.5
Downstream	Littoridinops sp.	Period 2	result_m2	5	25.00	325.0	75.0	25.0	300.0	275.0	74	150.0	150.0	67.1	186.2
Downstream	Cyathura polita	Period 2	result_m2	68	25.00	1275.0	75.0	43.8	175.0	131.2	74	146.3	190.2	23.1	46.0
Downstream	Boonea impressa	Period 2	result_m2	5	25.00	325.0	125.0	25.0	225.0	200.0	148	145.0	130.4	58.3	161.9
Downstream	Podarkeopsis levifuscina	Period 2	result_m2	18	25.00	625.0	75.0	25.0	218.8	193.8	74	144.4	170.1	40.1	84.6
Downstream	Polymesoda caroliniana	Period 2	result_m2	14	25.00	525.0	62.5	25.0	162.5	137.5	56	142.9	168.3	45.0	97.2
Downstream	Mediomastus sp.	Period 2	result_m2	8	50.00	350.0	112.5	68.8	168.8	100.0	74	140.6	102.6	36.3	85.8
Downstream	Nemertea	Period 2	result_m2	52	25.00	650.0	87.5	43.8	200.0	156.2	93	140.4	144.9	20.1	40.3
Downstream	Piromis roberti	Period 2	result_m2	5	75.00	200.0	150.0	75.0	200.0	125.0	74	140.0	62.8	28.1	77.9
Downstream	Leitoscoloplos foliosus	Period 2	result_m2	14	25.00	675.0	25.0	25.0	68.8	43.8	0	139.3	229.5	61.3	132.5
Downstream	Leodamas rubrus	Period 2	result_m2	8	25.00	500.0	50.0	43.8	137.5	93.8	37	137.5	176.8	62.5	147.8
Downstream	Ficopomatus miamiensis	Period 2	result_m2	8	25.00	350.0	87.5	25.0	231.2	206.2	93	134.4	124.6	44.0	104.2
Downstream	Paraprionospio yokoyamai	Period 2	result_m2	19	25.00	775.0	50.0	25.0	125.0	100.0	37	134.2	192.4	44.1	92.8
Downstream	Gammarida sp.	Period 2	result_m2	6	25.00	250.0	112.5	56.2	206.2	150.0	111	129.2	94.1	38.4	98.8
Downstream	Dero nivea	Period 2	result_m2	2	50.00	200.0	125.0	87.5	162.5	75.0	111	125.0	106.1	75.0	953.0
Downstream	Hydrobiidae	Period 2	result_m2	37	25.00	1225.0	50.0	25.0	75.0	50.0	37	125.0	237.3	39.0	79.1
Downstream	Tanypodinae	Period 2	result_m2	7	25.00	350.0	50.0	50.0	175.0	125.0	37	125.0	125.0	47.2	115.6
Downstream	Alitta succinea	Period 2	result_m2	37	25.00	800.0	50.0	25.0	125.0	100.0	37	119.6	160.5	26.4	53.5
Downstream	Ficopomatus sp.	Period 2	result_m2	8	25.00	500.0	62.5	43.8	106.2	62.5	56	118.8	158.0	55.9	132.1
Downstream	Sphaerium sp.	Period 2	result_m2	3	50.00	150.0	150.0	100.0	150.0	50.0	0	116.7	57.7	33.3	143.4
Downstream	Paraheione luteola	Period 2	result_m2	19	25.00	325.0	50.0	25.0	187.5	162.5	37	115.8	114.9	26.4	55.4
Downstream	Goeldichironomus sp.	Period 2	result_m2	2	50.00	175.0	112.5	81.2	143.8	62.5	93	112.5	88.4	62.5	794.1
Downstream	Kirsteueriella cf. biocellata	Period 2	result_m2	7	25.00	425.0	50.0	37.5	100.0	62.5	37	110.7	142.8	54.0	132.1
Downstream	Mediomastus cf. ambiseta	Period 2	result_m2	7	25.00	500.0	50.0	25.0	75.0	50.0	37	110.7	173.1	65.4	160.1
Downstream	Branchiomma sp.	Period 2	result_m2	3	75.00	175.0	75.0	75.0	125.0	50.0	0	108.3	57.7	33.3	143.4
Downstream	Sigambra tentaculata	Period 2	result_m2	7	25.00	300.0	50.0	25.0	162.5	137.5	37	107.1	123.9	46.8	114.6
Downstream	Ablabesmyia sp.	Period 2	result_m2	11	25.00	425.0	50.0	50.0	100.0	50.0	0	100.0	113.5	34.2	76.2
Downstream	Asheum beckae	Period 2	result_m2	4	25.00	300.0	37.5	25.0	112.5	87.5	19	100.0	133.8	66.9	213.0
Downstream	Balanidae	Period 2	result_m2	2	25.00	175.0	100.0	62.5	137.5	75.0	111	100.0	106.1	75.0	953.0
Downstream	Cerebratulus lacteus	Period 2	result_m2	5	25.00	375.0	25.0	25.0	50.0	25.0	0	100.0	154.1	68.9	191.3
Downstream	Diadumene cf. lineata	Period 2	result_m2	2	50.00	150.0	100.0	75.0	125.0	50.0	74	100.0	70.7	50.0	635.3
Downstream	Djalmabatista sp.	Period 2	result_m2	2	50.00	150.0	100.0	75.0	125.0	50.0	74	100.0	70.7	50.0	635.3
Downstream	Ischadium recurvum	Period 2	result_m2	1	100.00	100.0	100.0	100.0	100.0	0.0	0	100.0	NA	NA	NaN
Downstream	Odostomiinae	Period 2	result_m2	2	25.00	175.0	100.0	62.5	137.5	75.0	111	100.0	106.1	75.0	953.0
Downstream	Turbonilla hemphilli	Period 2	result_m2	1	100.00	100.0	100.0	100.0	100.0	0.0	0	100.0	NA	NA	NaN

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Downstream	Uromunna reynoldsi	Period 2	result_m2	4	25.00	150.0	112.5	81.2	131.2	50.0	37	100.0	54.0	27.0	85.9
Downstream	Haminoea succinea	Period 2	result_m2	9	25.00	275.0	50.0	50.0	100.0	50.0	37	97.2	90.5	30.2	69.6
Downstream	Hargeria rapax	Period 2	result_m2	9	25.00	500.0	25.0	25.0	75.0	50.0	0	97.2	154.8	51.6	119.0
Downstream	Xanthoidea	Period 2	result_m2	9	25.00	275.0	50.0	25.0	125.0	100.0	37	94.4	85.5	28.5	65.7
Downstream	Tanytarsus sp. G of Epler, 2001	Period 2	result_m2	3	25.00	200.0	50.0	37.5	125.0	87.5	37	91.7	94.7	54.6	235.1
Downstream	Heteromastus sp.	Period 2	result_m2	16	25.00	450.0	50.0	25.0	75.0	50.0	37	89.1	118.3	29.6	63.0
Downstream	Ficopomatus uschakovi	Period 2	result_m2	4	25.00	200.0	62.5	25.0	125.0	100.0	56	87.5	82.9	41.5	131.9
Downstream	Rhithropanopeus harrisii	Period 2	result_m2	67	25.00	400.0	50.0	25.0	100.0	75.0	37	85.5	76.0	9.3	18.5
Downstream	Cyclaspis varians	Period 2	result_m2	12	25.00	175.0	50.0	25.0	175.0	150.0	37	85.4	69.5	20.1	44.1
Downstream	Eurypanopeus dissimilis	Period 2	result_m2	3	25.00	175.0	50.0	37.5	112.5	75.0	37	83.3	80.4	46.4	199.6
Downstream	Spionidae	Period 2	result_m2	3	25.00	200.0	25.0	25.0	112.5	87.5	0	83.3	101.0	58.3	251.0
Downstream	Capitella jonesi	Period 2	result_m2	16	25.00	500.0	50.0	25.0	81.2	56.2	37	79.7	115.5	28.9	61.6
Downstream	Edotia triloba	Period 2	result_m2	48	25.00	500.0	50.0	25.0	100.0	75.0	37	78.1	84.8	12.2	24.6
Downstream	Eteone heteropoda	Period 2	result_m2	22	25.00	350.0	50.0	25.0	68.8	43.8	37	76.1	82.9	17.7	36.8
Downstream	Caryocorbula cf. contracta	Period 2	result_m2	2	25.00	125.0	75.0	50.0	100.0	50.0	74	75.0	70.7	50.0	635.3
Downstream	Kinbergonuphis simoni	Period 2	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Downstream	Monocorophium acherusicum	Period 2	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Downstream	Palaeonemertea sp. A of EPC	Period 2	result_m2	17	25.00	200.0	50.0	50.0	75.0	25.0	37	75.0	56.6	13.7	29.1
Downstream	Phrontis vibex	Period 2	result_m2	4	25.00	150.0	62.5	25.0	112.5	87.5	56	75.0	61.2	30.6	97.4
Downstream	Acteocina canaliculata	Period 2	result_m2	11	25.00	225.0	25.0	25.0	100.0	75.0	0	72.7	70.2	21.2	47.2
Downstream	Djalmabatista pulcher variant	Period 2	result_m2	5	25.00	125.0	50.0	50.0	100.0	50.0	37	70.0	41.1	18.4	51.0
Downstream	Hypereteone heteropoda	Period 2	result_m2	9	25.00	175.0	75.0	25.0	75.0	50.0	74	69.4	52.7	17.6	40.5
Downstream	Leptochelia sp.	Period 2	result_m2	9	25.00	275.0	25.0	25.0	75.0	50.0	0	69.4	81.8	27.2	62.8
Downstream	Paranais litoralis	Period 2	result_m2	4	25.00	125.0	62.5	43.8	87.5	43.8	37	68.8	42.7	21.4	67.9
Downstream	Phyllodoce arenae	Period 2	result_m2	15	25.00	150.0	50.0	37.5	87.5	50.0	37	66.7	46.0	11.9	25.5
Downstream	Panopeidae	Period 2	result_m2	29	25.00	300.0	25.0	25.0	75.0	50.0	0	65.5	67.3	12.5	25.6
Downstream	Parasabella sp.	Period 2	result_m2	5	25.00	175.0	50.0	25.0	50.0	25.0	37	65.0	62.8	28.1	77.9
Downstream	Carazziella hobsonae	Period 2	result_m2	7	25.00	175.0	50.0	25.0	75.0	50.0	37	64.3	55.6	21.0	51.5
Downstream	Euplana gracilis	Period 2	result_m2	2	25.00	100.0	62.5	43.8	81.2	37.5	56	62.5	53.0	37.5	476.5
Downstream	Pseudopotamilla fitzhughii	Period 2	result_m2	2	25.00	100.0	62.5	43.8	81.2	37.5	56	62.5	53.0	37.5	476.5
Downstream	Serpulidae	Period 2	result_m2	2	25.00	100.0	62.5	43.8	81.2	37.5	56	62.5	53.0	37.5	476.5
Downstream	Tellinidae	Period 2	result_m2	2	25.00	100.0	62.5	43.8	81.2	37.5	56	62.5	53.0	37.5	476.5
Downstream	Thalassodrilides ineri	Period 2	result_m2	4	25.00	100.0	62.5	43.8	81.2	37.5	37	62.5	32.3	16.1	51.4
Downstream	Chironomidae	Period 2	result_m2	9	25.00	175.0	50.0	25.0	50.0	25.0	37	61.1	48.6	16.2	37.4
Downstream	Stylocheus ellipticus	Period 2	result_m2	7	25.00	125.0	50.0	37.5	75.0	37.5	37	60.7	37.8	14.3	35.0
Downstream	Clymenella torquata	Period 2	result_m2	3	25.00	100.0	50.0	37.5	75.0	37.5	37	58.3	38.2	22.1	94.9
Downstream	Pinnotheridae	Period 2	result_m2	6	25.00	125.0	37.5	25.0	87.5	62.5	19	58.3	43.8	17.9	45.9

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Downstream	Spiochaetopterus oculatus	Period 2	result_m2	6	25.00	100.0	50.0	31.2	87.5	56.2	37	58.3	34.2	13.9	35.8
Downstream	Stenochironomus sp.	Period 2	result_m2	3	25.00	125.0	25.0	25.0	75.0	50.0	0	58.3	57.7	33.3	143.4
Downstream	Teinostoma biscaynense	Period 2	result_m2	3	25.00	100.0	50.0	37.5	75.0	37.5	37	58.3	38.2	22.1	94.9
Downstream	Tubificidae w/o hair	Period 2	result_m2	6	25.00	150.0	37.5	25.0	68.8	43.8	19	58.3	49.2	20.1	51.6
Downstream	Tubificoides/Tectidrilus with papillae	Period 2	result_m2	3	25.00	100.0	50.0	37.5	75.0	37.5	37	58.3	38.2	22.1	94.9
Downstream	Erpobdella punctata	Period 2	result_m2	16	25.00	175.0	25.0	25.0	50.0	25.0	0	53.1	49.9	12.5	26.6
Downstream	Ablabesmyia (Karelia) sp.	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Alpheus armillatus	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Aricidea (Acmira) philbinae	Period 2	result_m2	5	25.00	125.0	25.0	25.0	50.0	25.0	0	50.0	43.3	19.4	53.8
Downstream	Aricidea sp.	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Asthenothaerus hemphilli	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Astyris lunata	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Brania nitidula	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Capitella sp. A of EPC	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Cirripedia	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Eupleura caudata	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Hydroides dianthus	Period 2	result_m2	3	25.00	75.0	50.0	37.5	62.5	25.0	37	50.0	25.0	14.4	62.1
Downstream	Labrundinia pilosella	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Libellulidae	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Nereis sp. A	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Paralauterborniella nigrohalteralis	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Paraonidae	Period 2	result_m2	2	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	0.0	0.0	0.0
Downstream	Parvanachis obesa	Period 2	result_m2	2	25.00	75.0	50.0	37.5	62.5	25.0	37	50.0	35.4	25.0	317.6
Downstream	Pileolaria sp.	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Tubulanus pellucidus	Period 2	result_m2	3	25.00	75.0	50.0	37.5	62.5	25.0	37	50.0	25.0	14.4	62.1
Downstream	Cassidinidea ovalis	Period 2	result_m2	7	25.00	150.0	25.0	25.0	37.5	12.5	0	46.4	46.6	17.6	43.1
Downstream	Tagelus plebeius	Period 2	result_m2	16	25.00	200.0	25.0	25.0	50.0	25.0	0	45.3	45.8	11.5	24.4
Downstream	Dicrotendipes neomodestus	Period 2	result_m2	5	25.00	50.0	50.0	50.0	50.0	0.0	0	45.0	11.2	5.0	13.9
Downstream	Glycinde multidentis	Period 2	result_m2	15	25.00	100.0	25.0	25.0	62.5	37.5	0	45.0	28.7	7.4	15.9
Downstream	Nais variabilis	Period 2	result_m2	4	25.00	50.0	50.0	43.8	50.0	6.2	0	43.8	12.5	6.2	19.9
Downstream	Oxydromus obscurus	Period 2	result_m2	4	25.00	75.0	37.5	25.0	56.2	31.2	19	43.8	23.9	12.0	38.1
Downstream	Ampelisca sp.	Period 2	result_m2	7	25.00	125.0	25.0	25.0	37.5	12.5	0	42.9	37.4	14.1	34.6
Downstream	Ameritella cf. versicolor	Period 2	result_m2	3	25.00	50.0	50.0	37.5	50.0	12.5	0	41.7	14.4	8.3	35.9
Downstream	Ficopomatus enigmaticus	Period 2	result_m2	3	25.00	75.0	25.0	25.0	50.0	25.0	0	41.7	28.9	16.7	71.7
Downstream	Pectinaria gouldii	Period 2	result_m2	9	25.00	75.0	25.0	25.0	50.0	25.0	0	41.7	21.6	7.2	16.6
Downstream	Odontosyllis enopla	Period 2	result_m2	5	25.00	75.0	25.0	25.0	50.0	25.0	0	40.0	22.4	10.0	27.8
Downstream	Sigambra bassi	Period 2	result_m2	5	25.00	75.0	25.0	25.0	50.0	25.0	0	40.0	22.4	10.0	27.8

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Downstream	Polydora cornuta	Period 2	result_m2	7	25.00	100.0	25.0	25.0	37.5	12.5	0	39.3	28.4	10.7	26.2
Downstream	Americamysis stucki	Period 2	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Downstream	Coelotanypus sp.	Period 2	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Downstream	Gammarus mucronatus	Period 2	result_m2	6	25.00	75.0	25.0	25.0	43.8	18.8	0	37.5	20.9	8.5	21.9
Downstream	Glycera americana	Period 2	result_m2	6	25.00	50.0	37.5	25.0	50.0	25.0	19	37.5	13.7	5.6	14.4
Downstream	Marphysa sp. A of EPC	Period 2	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Downstream	Oxyurostylis smithi	Period 2	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Downstream	Parasabella microphthalma	Period 2	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Downstream	Phoronis sp.	Period 2	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Downstream	Tagelus sp.	Period 2	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Downstream	Zygonemertes virescens	Period 2	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Downstream	Fragilonemertes rosea	Period 2	result_m2	5	25.00	75.0	25.0	25.0	25.0	0.0	0	35.0	22.4	10.0	27.8
Downstream	Haminoea antillarum	Period 2	result_m2	5	25.00	50.0	25.0	25.0	50.0	25.0	0	35.0	13.7	6.1	17.0
Downstream	Bivalvia	Period 2	result_m2	3	25.00	50.0	25.0	25.0	37.5	12.5	0	33.3	14.4	8.3	35.9
Downstream	Dicrotendipes sp.	Period 2	result_m2	6	25.00	50.0	25.0	25.0	43.8	18.8	0	33.3	12.9	5.3	13.6
Downstream	Hydroides protulicola	Period 2	result_m2	3	25.00	50.0	25.0	25.0	37.5	12.5	0	33.3	14.4	8.3	35.9
Downstream	Japonactaeon punctostriatus	Period 2	result_m2	3	25.00	50.0	25.0	25.0	37.5	12.5	0	33.3	14.4	8.3	35.9
Downstream	Procladius sp.	Period 2	result_m2	3	25.00	50.0	25.0	25.0	37.5	12.5	0	33.3	14.4	8.3	35.9
Downstream	Ceratopogonide	Period 2	result_m2	4	25.00	50.0	25.0	25.0	31.2	6.2	0	31.2	12.5	6.2	19.9
Downstream	Diopatra cuprea	Period 2	result_m2	4	25.00	50.0	25.0	25.0	31.2	6.2	0	31.2	12.5	6.2	19.9
Downstream	Scolecopsis texana	Period 2	result_m2	4	25.00	50.0	25.0	25.0	31.2	6.2	0	31.2	12.5	6.2	19.9
Downstream	Syllis cf. maryae	Period 2	result_m2	4	25.00	50.0	25.0	25.0	31.2	6.2	0	31.2	12.5	6.2	19.9
Downstream	Ampelisca vadorum	Period 2	result_m2	5	25.00	50.0	25.0	25.0	25.0	0.0	0	30.0	11.2	5.0	13.9
Downstream	Chaoborus sp.	Period 2	result_m2	5	25.00	50.0	25.0	25.0	25.0	0.0	0	30.0	11.2	5.0	13.9
Downstream	Paracaprella tenuis	Period 2	result_m2	5	25.00	50.0	25.0	25.0	25.0	0.0	0	30.0	11.2	5.0	13.9
Downstream	Gastropoda	Period 2	result_m2	9	25.00	50.0	25.0	25.0	25.0	0.0	0	27.8	8.3	2.8	6.4
Downstream	Aeolidioidea	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Aglaophamus verrilli	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Americamysis almyra	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Amphibalanus cf. amphitrite	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Amphibalanus venustus	Period 2	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Amphinomidae	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Anadara transversa	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Ancistrosyllis jonesi	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Anoplodactylus sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Anthopleura sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Aphylla williamsoni	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN

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Downstream	Ascidacea	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Austromacoma constricta	Period 2	result_m2	5	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Branchiostoma floridae	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Caenis sp.	Period 2	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Ceriantharia	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Cerithiopsis fusiformis	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Chaetognatha	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Cirolana parva	Period 2	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Cirratulidae	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Cirriformia sp. A of Wolf, 1984	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Collembola	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Corophiidae	Period 2	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Crustipellis tribranchiata	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Ensis megistus coseli	Period 2	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Entomobryidae	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Ephemeroptera	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Eupleura tampaensis	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Exogone dispar	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Fargoa cf. gibbosa	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Glottidia pyramidata	Period 2	result_m2	3	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Haloclava cf. producta	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Hebetancylus excentricus	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Heteronemertea	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Holothuroidea	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Hyalella azteca	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Hyalella sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Hydroides sp. A of EPC	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Lasaeidae	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Limnodrilus hoffmeisteri	Period 2	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Limulus polyphemus	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Lysilla sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Magelona pettiboneae	Period 2	result_m2	3	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Maldane cf. sarsi	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Maldanidae	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Melongena corona	Period 2	result_m2	3	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Membranipora cf. arborescens	Period 2	result_m2	11	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Microphiopholis atra	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN

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Downstream	Mytilidae	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Nais communis sp. complex	Period 2	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Neogyptis crypta	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Notomastus hemipodus	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Odonata	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Oecetis sp.	Period 2	result_m2	3	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Ophiuroidea	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Orobitella floridana	Period 2	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Oxyurostylis lecrovae	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Parastarte triquetra	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Pentamera cf. pulcherrima	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Petrolisthes armatus	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Phascolion (Lesenka) cryptum	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Pinnixa sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Pinnixulala retinens	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Pista palmata	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Prionospio heterobranchia	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Pristina (Pristinella) sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Rissooidea	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Sabellidae	Period 2	result_m2	4	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Sinelobus stanfordi	Period 2	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Syllis gracilis	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Tagelus divisus	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Tanytarsus sp.	Period 2	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Tectonatica pusilla	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Tergipedidae	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Tetrastemma candidum	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Trichoptera	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Tubificoides sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Xenanthura brevitelson	Period 2	result_m2	3	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Conopeum cf. seurati	Period 2	result_m2	6	1.00	25.0	13.0	1.0	25.0	24.0	18	13.0	13.1	5.4	13.8
Downstream	Biflustra arborescens	Period 2	result_m2	3	1.00	1.0	1.0	1.0	1.0	0.0	0	1.0	0.0	0.0	0.0
Downstream	Campanulariidae	Period 2	result_m2	3	1.00	1.0	1.0	1.0	1.0	0.0	0	1.0	0.0	0.0	0.0
Downstream	Cheilostomatida	Period 2	result_m2	7	1.00	1.0	1.0	1.0	1.0	0.0	0	1.0	0.0	0.0	0.0
Downstream	Cliona sp.	Period 2	result_m2	1	1.00	1.0	1.0	1.0	1.0	0.0	0	1.0	NA	NA	NaN
Downstream	Hippoporina indica	Period 2	result_m2	2	1.00	1.0	1.0	1.0	1.0	0.0	0	1.0	0.0	0.0	0.0
Downstream	Hydrozoa	Period 2	result_m2	2	1.00	1.0	1.0	1.0	1.0	0.0	0	1.0	0.0	0.0	0.0

Downstream	Membranipora sp.	Period 2	result_m2	1	1.00	1.0	1.0	1.0	1.0	0.0	0	1.0	NA	NA	NaN
Downstream	Monticellina dorsobranchialis	Period 1	result_m2	9	25.00	47250.0	300.0	100.0	3525.0	3425.0	371	6244.4	15464.0	5154.7	11886.7
Downstream	Kirkegaardia sp.	Period 1	result_m2	16	25.00	28650.0	1425.0	262.5	5218.8	4956.2	2076	6146.9	9805.3	2451.3	5224.9
Downstream	Laeonereis cf. longula	Period 1	result_m2	24	25.00	12400.0	162.5	93.8	1293.8	1200.0	185	1422.9	2797.1	571.0	1181.1
Downstream	Ampelisca abdita	Period 1	result_m2	39	25.00	10500.0	200.0	75.0	1562.5	1487.5	259	1325.6	2289.6	366.6	742.2
Downstream	Ampelisca holmesi	Period 1	result_m2	16	25.00	6225.0	287.5	25.0	1112.5	1087.5	389	1170.3	1850.2	462.6	985.9
Downstream	Mytilopsis leucophaeata	Period 1	result_m2	28	25.00	12225.0	112.5	50.0	506.2	456.2	111	1128.6	2932.0	554.1	1136.9
Downstream	Stenoninereis martini	Period 1	result_m2	56	25.00	17700.0	150.0	25.0	1006.2	981.2	185	1093.8	2656.2	355.0	711.4
Downstream	Melita elongata	Period 1	result_m2	6	25.00	3550.0	412.5	50.0	868.8	818.8	575	891.7	1356.1	553.6	1423.1
Downstream	Streblospio benedicti	Period 1	result_m2	11	50.00	2375.0	525.0	300.0	1462.5	1162.5	667	879.5	855.4	257.9	574.7
Downstream	Grandidierella bonnieroides	Period 1	result_m2	37	25.00	12000.0	150.0	25.0	650.0	625.0	185	868.2	2082.9	342.4	694.5
Downstream	Naididae	Period 1	result_m2	37	25.00	4975.0	225.0	100.0	900.0	800.0	297	807.4	1193.6	196.2	398.0
Downstream	Crassostrea virginica	Period 1	result_m2	4	125.00	2400.0	262.5	162.5	862.5	700.0	167	762.5	1095.9	548.0	1743.8
Downstream	Laeonereis culveri	Period 1	result_m2	15	25.00	2400.0	575.0	250.0	725.0	475.0	445	680.0	677.1	174.8	374.9
Downstream	Capitella capitata sp. complex	Period 1	result_m2	25	25.00	3100.0	250.0	100.0	875.0	775.0	334	567.0	687.2	137.4	283.7
Downstream	Tubificoides brownae	Period 1	result_m2	19	25.00	2200.0	175.0	75.0	812.5	737.5	222	556.6	717.5	164.6	345.8
Downstream	Upogebia sp.	Period 1	result_m2	3	25.00	1050.0	400.0	212.5	725.0	512.5	556	491.7	518.6	299.4	1288.3
Downstream	Capitella sp. A of EPC	Period 1	result_m2	13	25.00	2450.0	225.0	75.0	550.0	475.0	259	461.5	684.9	190.0	413.9
Downstream	Aricidea (Acmira) taylori	Period 1	result_m2	21	25.00	1700.0	150.0	75.0	725.0	650.0	185	400.0	457.2	99.8	208.1
Downstream	Cyclaspis varians	Period 1	result_m2	11	25.00	3425.0	25.0	25.0	100.0	75.0	0	375.0	1015.8	306.3	682.4
Downstream	Limnodriloidinae	Period 1	result_m2	1	350.00	350.0	350.0	350.0	350.0	0.0	0	350.0	NA	NA	NaN
Downstream	Tagelus plebeius	Period 1	result_m2	11	25.00	1950.0	100.0	62.5	250.0	187.5	111	347.7	591.5	178.4	397.4
Downstream	Carazziella hobsonae	Period 1	result_m2	12	25.00	2900.0	62.5	25.0	175.0	150.0	56	333.3	815.6	235.4	518.2
Downstream	Pseudopotamilla fitzhughii	Period 1	result_m2	2	100.00	550.0	325.0	212.5	437.5	225.0	334	325.0	318.2	225.0	2858.9
Downstream	Paracaprella tenuis	Period 1	result_m2	1	300.00	300.0	300.0	300.0	300.0	0.0	0	300.0	NA	NA	NaN
Downstream	Littoridinops palustris	Period 1	result_m2	9	25.00	1775.0	100.0	50.0	175.0	125.0	74	294.4	559.5	186.5	430.1
Downstream	Syllis gracilis	Period 1	result_m2	4	25.00	525.0	275.0	81.2	468.8	387.5	315	275.0	249.2	124.6	396.5
Downstream	Edotia triloba	Period 1	result_m2	16	25.00	1250.0	150.0	50.0	331.2	281.2	167	273.4	334.9	83.7	178.4
Downstream	Schistomeringos cf. rudolphi	Period 1	result_m2	8	25.00	600.0	187.5	137.5	300.0	162.5	130	237.5	180.8	63.9	151.1
Downstream	Prionospio perkinsi	Period 1	result_m2	8	25.00	875.0	125.0	25.0	318.8	293.8	148	234.4	290.3	102.6	242.7
Downstream	Cirratulidae	Period 1	result_m2	2	50.00	400.0	225.0	137.5	312.5	175.0	259	225.0	247.5	175.0	2223.6
Downstream	Mediomastus cf. californiensis	Period 1	result_m2	2	25.00	425.0	225.0	125.0	325.0	200.0	297	225.0	282.8	200.0	2541.2
Downstream	Leitoscoloplos foliosus	Period 1	result_m2	11	25.00	1625.0	50.0	37.5	125.0	87.5	37	222.7	470.0	141.7	315.8
Downstream	Actiniaria	Period 1	result_m2	15	25.00	1175.0	50.0	25.0	212.5	187.5	37	208.3	333.1	86.0	184.5
Downstream	Tubificidae w/o hair	Period 1	result_m2	14	25.00	625.0	150.0	100.0	262.5	162.5	111	203.6	168.4	45.0	97.2
Downstream	Crepidula depressa	Period 1	result_m2	5	100.00	375.0	175.0	125.0	175.0	50.0	74	190.0	108.4	48.5	134.6
Downstream	Arcuatula papyria	Period 1	result_m2	8	25.00	750.0	37.5	25.0	225.0	200.0	19	187.5	270.2	95.5	225.9

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Downstream	Melinna maculata	Period 1	result_m2	29	25.00	1150.0	75.0	25.0	225.0	200.0	74	181.9	240.3	44.6	91.4
Downstream	Leptochelia sp.	Period 1	result_m2	5	25.00	400.0	75.0	25.0	375.0	350.0	74	180.0	190.7	85.3	236.8
Downstream	Ampelisca vadorum	Period 1	result_m2	1	175.00	175.0	175.0	175.0	175.0	0.0	0	175.0	NA	NA	NaN
Downstream	Hydroides sp.	Period 1	result_m2	1	175.00	175.0	175.0	175.0	175.0	0.0	0	175.0	NA	NA	NaN
Downstream	Melita nitida complex	Period 1	result_m2	4	25.00	400.0	137.5	25.0	287.5	262.5	167	175.0	183.7	91.9	292.3
Downstream	Polypedilum halterale grp.	Period 1	result_m2	1	175.00	175.0	175.0	175.0	175.0	0.0	0	175.0	NA	NA	NaN
Downstream	Mulinia lateralis	Period 1	result_m2	13	25.00	1525.0	50.0	25.0	75.0	50.0	37	165.4	409.9	113.7	247.7
Downstream	Chironomus sp.	Period 1	result_m2	2	25.00	300.0	162.5	93.8	231.2	137.5	204	162.5	194.4	137.5	1747.1
Downstream	Ampelisca sp. C of LeCroy, 2002	Period 1	result_m2	1	150.00	150.0	150.0	150.0	150.0	0.0	0	150.0	NA	NA	NaN
Downstream	Cerapus sp. C of LeCroy, 2007	Period 1	result_m2	4	25.00	450.0	62.5	25.0	187.5	162.5	56	150.0	203.1	101.5	323.2
Downstream	Paraprionospio yokoyamai	Period 1	result_m2	13	25.00	600.0	100.0	75.0	150.0	75.0	74	138.5	149.9	41.6	90.6
Downstream	Cerebratulus lacteus	Period 1	result_m2	3	75.00	225.0	100.0	87.5	162.5	75.0	37	133.3	80.4	46.4	199.6
Downstream	Paraprionospio sp.	Period 1	result_m2	9	25.00	525.0	75.0	50.0	100.0	50.0	37	127.8	158.3	52.8	121.7
Downstream	Nemertea	Period 1	result_m2	13	25.00	425.0	75.0	50.0	200.0	150.0	37	126.9	125.6	34.8	75.9
Downstream	Kirsteueriella cf. biocellata	Period 1	result_m2	15	25.00	425.0	75.0	25.0	175.0	150.0	74	126.7	130.8	33.8	72.4
Downstream	Anadara transversa	Period 1	result_m2	1	125.00	125.0	125.0	125.0	125.0	0.0	0	125.0	NA	NA	NaN
Downstream	Branchiomma sp.	Period 1	result_m2	3	25.00	300.0	50.0	37.5	175.0	137.5	37	125.0	152.1	87.8	377.8
Downstream	Corbicula fluminea	Period 1	result_m2	1	125.00	125.0	125.0	125.0	125.0	0.0	0	125.0	NA	NA	NaN
Downstream	Cotonopsis lafresnayi	Period 1	result_m2	1	125.00	125.0	125.0	125.0	125.0	0.0	0	125.0	NA	NA	NaN
Downstream	Melanoides tuberculata	Period 1	result_m2	1	125.00	125.0	125.0	125.0	125.0	0.0	0	125.0	NA	NA	NaN
Downstream	Mysella planulata	Period 1	result_m2	4	25.00	300.0	75.0	43.8	150.0	106.2	56	118.8	124.8	62.4	198.6
Downstream	Piromis roberti	Period 1	result_m2	4	100.00	150.0	112.5	100.0	131.2	31.2	19	118.8	23.9	12.0	38.1
Downstream	Bhawania heteroseta	Period 1	result_m2	3	25.00	300.0	25.0	25.0	162.5	137.5	0	116.7	158.8	91.7	394.4
Downstream	Boccardiella cf. hamata	Period 1	result_m2	3	75.00	200.0	75.0	75.0	137.5	62.5	0	116.7	72.2	41.7	179.3
Downstream	Neanthes micromma	Period 1	result_m2	5	50.00	325.0	75.0	50.0	75.0	25.0	37	115.0	118.1	52.8	146.6
Downstream	Hourstonius laguna	Period 1	result_m2	4	25.00	200.0	112.5	43.8	181.2	137.5	111	112.5	87.8	43.9	139.7
Downstream	Polypedilum scalaenum grp.	Period 1	result_m2	2	75.00	150.0	112.5	93.8	131.2	37.5	56	112.5	53.0	37.5	476.5
Downstream	Sigambra bassi	Period 1	result_m2	2	25.00	200.0	112.5	68.8	156.2	87.5	130	112.5	123.7	87.5	1111.8
Downstream	Kurtiella planulata	Period 1	result_m2	12	25.00	400.0	50.0	25.0	125.0	100.0	37	110.4	129.4	37.4	82.2
Downstream	Tubificoides motei	Period 1	result_m2	5	25.00	250.0	75.0	50.0	150.0	100.0	74	110.0	91.2	40.8	113.2
Downstream	Streblospio sp.	Period 1	result_m2	25	25.00	475.0	50.0	25.0	100.0	75.0	37	109.0	135.2	27.0	55.8
Downstream	Ameritella cf. versicolor	Period 1	result_m2	4	25.00	200.0	100.0	25.0	181.2	156.2	111	106.2	94.4	47.2	150.2
Downstream	Arenicola cristata	Period 1	result_m2	10	25.00	700.0	25.0	25.0	43.8	18.8	0	100.0	211.5	66.9	151.3
Downstream	Chaoborus punctipennis	Period 1	result_m2	1	100.00	100.0	100.0	100.0	100.0	0.0	0	100.0	NA	NA	NaN
Downstream	Lumbrineris nonatoi	Period 1	result_m2	2	75.00	125.0	100.0	87.5	112.5	25.0	37	100.0	35.4	25.0	317.6
Downstream	Mediomastus sp.	Period 1	result_m2	7	25.00	500.0	25.0	25.0	50.0	25.0	0	100.0	176.8	66.8	163.5
Downstream	Oxydromus obscurus	Period 1	result_m2	1	100.00	100.0	100.0	100.0	100.0	0.0	0	100.0	NA	NA	NaN

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Downstream	Polypedilum sp.	Period 1	result_m2	1	100.00	100.0	100.0	100.0	100.0	0.0	0	100.0	NA	NA	NaN
Downstream	Leodamas rubrus	Period 1	result_m2	15	25.00	350.0	50.0	25.0	125.0	100.0	37	96.7	99.9	25.8	55.3
Downstream	Dipolydora socialis	Period 1	result_m2	4	25.00	275.0	37.5	25.0	106.2	81.2	19	93.8	121.4	60.7	193.2
Downstream	Sigambra tentaculata	Period 1	result_m2	7	25.00	225.0	50.0	25.0	150.0	125.0	37	92.9	86.3	32.6	79.8
Downstream	Capitella sp.	Period 1	result_m2	10	25.00	250.0	75.0	50.0	118.8	68.8	56	92.5	68.8	21.8	49.2
Downstream	Heteromastus sp.	Period 1	result_m2	6	25.00	200.0	75.0	31.2	137.5	106.2	74	91.7	71.9	29.3	75.4
Downstream	Thalassodrilides gurwitschi	Period 1	result_m2	3	25.00	200.0	50.0	37.5	125.0	87.5	37	91.7	94.7	54.6	235.1
Downstream	Sphenia fragilis	Period 1	result_m2	5	25.00	225.0	50.0	25.0	125.0	100.0	37	90.0	85.9	38.4	106.6
Downstream	Rhithropanopeus harrisii	Period 1	result_m2	23	25.00	450.0	50.0	25.0	87.5	62.5	37	89.1	112.3	23.4	48.5
Downstream	Macoploma tenta	Period 1	result_m2	4	25.00	125.0	87.5	62.5	106.2	43.8	37	81.2	42.7	21.4	67.9
Downstream	Palaeonemertea sp. A of EPC	Period 1	result_m2	11	25.00	350.0	50.0	25.0	75.0	50.0	37	79.5	95.4	28.8	64.1
Downstream	Bivalvia	Period 1	result_m2	7	25.00	225.0	75.0	25.0	87.5	62.5	74	78.6	71.3	27.0	66.0
Downstream	Hypereteone heteropoda	Period 1	result_m2	8	25.00	175.0	62.5	50.0	100.0	50.0	37	78.1	47.1	16.7	39.4
Downstream	Pinnotheridae	Period 1	result_m2	14	25.00	250.0	37.5	25.0	118.8	93.8	19	76.8	73.7	19.7	42.5
Downstream	Apocorophium louisianum	Period 1	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Downstream	Boonea impressa	Period 1	result_m2	2	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	0.0	0.0	0.0
Downstream	Cerithiopsis sp.	Period 1	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Downstream	Cirriformia sp.	Period 1	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Downstream	Eunicidae	Period 1	result_m2	2	50.00	100.0	75.0	62.5	87.5	25.0	37	75.0	35.4	25.0	317.6
Downstream	Hydroides dianthus	Period 1	result_m2	3	25.00	125.0	75.0	50.0	100.0	50.0	74	75.0	50.0	28.9	124.2
Downstream	Limnodriloides sp.	Period 1	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Downstream	Littoridinops monroensis	Period 1	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Downstream	Lyonsia floridana	Period 1	result_m2	3	25.00	150.0	50.0	37.5	100.0	62.5	37	75.0	66.1	38.2	164.3
Downstream	Minuspio perkinsi	Period 1	result_m2	2	25.00	125.0	75.0	50.0	100.0	50.0	74	75.0	70.7	50.0	635.3
Downstream	Ophiuroidea	Period 1	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Downstream	Podarkeopsis levifuscina	Period 1	result_m2	16	25.00	275.0	50.0	25.0	87.5	62.5	37	75.0	74.7	18.7	39.8
Downstream	Rudilemboides naglei	Period 1	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Downstream	Sayella hemphillii	Period 1	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Downstream	Syllis sp.	Period 1	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Downstream	Tryonia aequicostata	Period 1	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Downstream	Leitoscoloplos sp.	Period 1	result_m2	9	25.00	225.0	50.0	25.0	75.0	50.0	37	72.2	65.5	21.8	50.3
Downstream	Streblosoma hartmanae	Period 1	result_m2	4	25.00	150.0	50.0	25.0	93.8	68.8	37	68.8	59.1	29.5	94.0
Downstream	Scoloplos rubra	Period 1	result_m2	6	25.00	175.0	50.0	25.0	75.0	50.0	37	66.7	58.5	23.9	61.3
Downstream	Acromegalomma pigmentum	Period 1	result_m2	7	25.00	225.0	50.0	25.0	50.0	25.0	37	64.3	72.0	27.2	66.5
Downstream	Streblospio gynobranchiata	Period 1	result_m2	11	25.00	150.0	25.0	25.0	112.5	87.5	0	63.6	50.5	15.2	33.9
Downstream	Amygdalum papyrium	Period 1	result_m2	4	25.00	125.0	50.0	43.8	68.8	25.0	19	62.5	43.3	21.6	68.9
Downstream	Cirripedia	Period 1	result_m2	2	50.00	75.0	62.5	56.2	68.8	12.5	19	62.5	17.7	12.5	158.8

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Downstream	Enoplobranchus sanguineus	Period 1	result_m2	2	25.00	100.0	62.5	43.8	81.2	37.5	56	62.5	53.0	37.5	476.5
Downstream	Hydroides sanctaecrucis	Period 1	result_m2	2	50.00	75.0	62.5	56.2	68.8	12.5	19	62.5	17.7	12.5	158.8
Downstream	Sabellidae	Period 1	result_m2	2	25.00	100.0	62.5	43.8	81.2	37.5	56	62.5	53.0	37.5	476.5
Downstream	Tellinidae	Period 1	result_m2	2	25.00	100.0	62.5	43.8	81.2	37.5	56	62.5	53.0	37.5	476.5
Downstream	Thalassodrilides ineri	Period 1	result_m2	2	25.00	100.0	62.5	43.8	81.2	37.5	56	62.5	53.0	37.5	476.5
Downstream	Polydora sp.	Period 1	result_m2	5	25.00	100.0	50.0	50.0	75.0	25.0	37	60.0	28.5	12.8	35.4
Downstream	Almyracuma bacescui	Period 1	result_m2	4	25.00	100.0	50.0	25.0	81.2	56.2	37	56.2	37.5	18.8	59.7
Downstream	Nereiphylla castanea	Period 1	result_m2	4	25.00	75.0	62.5	43.8	75.0	31.2	19	56.2	23.9	12.0	38.1
Downstream	Tagelus divisus	Period 1	result_m2	4	25.00	100.0	50.0	25.0	81.2	56.2	37	56.2	37.5	18.8	59.7
Downstream	Hobsonia florida	Period 1	result_m2	10	25.00	125.0	37.5	25.0	87.5	62.5	19	55.0	38.7	12.2	27.7
Downstream	Glycinde multidentis	Period 1	result_m2	8	25.00	200.0	25.0	25.0	37.5	12.5	0	53.1	61.9	21.9	51.7
Downstream	Alpheus sp.	Period 1	result_m2	2	25.00	75.0	50.0	37.5	62.5	25.0	37	50.0	35.4	25.0	317.6
Downstream	Ambidexter symmetricus	Period 1	result_m2	2	25.00	75.0	50.0	37.5	62.5	25.0	37	50.0	35.4	25.0	317.6
Downstream	Americamysis almyra	Period 1	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Brania nitidula	Period 1	result_m2	2	25.00	75.0	50.0	37.5	62.5	25.0	37	50.0	35.4	25.0	317.6
Downstream	Caryocorbula cf. contracta	Period 1	result_m2	6	25.00	100.0	37.5	25.0	68.8	43.8	19	50.0	31.6	12.9	33.2
Downstream	Cyclostremiscus suppressus	Period 1	result_m2	2	25.00	75.0	50.0	37.5	62.5	25.0	37	50.0	35.4	25.0	317.6
Downstream	Exogone dispar	Period 1	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Ficopomatus miamiensis	Period 1	result_m2	2	25.00	75.0	50.0	37.5	62.5	25.0	37	50.0	35.4	25.0	317.6
Downstream	Glottidia pyramidata	Period 1	result_m2	7	25.00	175.0	25.0	25.0	37.5	12.5	0	50.0	55.9	21.1	51.7
Downstream	Mediomastus cf. ambiseta	Period 1	result_m2	3	25.00	75.0	50.0	37.5	62.5	25.0	37	50.0	25.0	14.4	62.1
Downstream	Melongena corona	Period 1	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Monocorophium acherusicum	Period 1	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Oxyurostylis smithi	Period 1	result_m2	2	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	0.0	0.0	0.0
Downstream	Parahesione luteola	Period 1	result_m2	3	25.00	75.0	50.0	37.5	62.5	25.0	37	50.0	25.0	14.4	62.1
Downstream	Parasabella microphthalma	Period 1	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Phoronis sp.	Period 1	result_m2	3	25.00	75.0	50.0	37.5	62.5	25.0	37	50.0	25.0	14.4	62.1
Downstream	Pinnixa sp.	Period 1	result_m2	6	25.00	100.0	25.0	25.0	81.2	56.2	0	50.0	38.7	15.8	40.6
Downstream	Polycirrus sp.	Period 1	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Polydora cornuta	Period 1	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Terebella cf. verrilli	Period 1	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Vitrinella floridana	Period 1	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Downstream	Aricidea (Acmira) philbinae	Period 1	result_m2	8	25.00	125.0	37.5	25.0	50.0	25.0	19	46.9	33.9	12.0	28.3
Downstream	Acteocina canaliculata	Period 1	result_m2	6	25.00	100.0	37.5	25.0	50.0	25.0	19	45.8	29.2	11.9	30.7
Downstream	Cyathura polita	Period 1	result_m2	15	25.00	150.0	25.0	25.0	50.0	25.0	0	43.3	35.9	9.3	19.9
Downstream	Phyllodoce arenae	Period 1	result_m2	7	25.00	100.0	25.0	25.0	50.0	25.0	0	42.9	27.8	10.5	25.7
Downstream	Eteone heteropoda	Period 1	result_m2	10	25.00	100.0	25.0	25.0	43.8	18.8	0	42.5	31.3	9.9	22.4

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Downstream	Erpobdella punctata	Period 1	result_m2	3	25.00	50.0	50.0	37.5	50.0	12.5	0	41.7	14.4	8.3	35.9
Downstream	Hargeria rapax	Period 1	result_m2	3	25.00	75.0	25.0	25.0	50.0	25.0	0	41.7	28.9	16.7	71.7
Downstream	Hydrobiidae	Period 1	result_m2	3	25.00	50.0	50.0	37.5	50.0	12.5	0	41.7	14.4	8.3	35.9
Downstream	Marphysa sp. A of EPC	Period 1	result_m2	3	25.00	75.0	25.0	25.0	50.0	25.0	0	41.7	28.9	16.7	71.7
Downstream	Tubulanus pellucidus	Period 1	result_m2	3	25.00	50.0	50.0	37.5	50.0	12.5	0	41.7	14.4	8.3	35.9
Downstream	Alpheus armillatus	Period 1	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Downstream	Amphibalanus improvisus	Period 1	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Downstream	Decapoda	Period 1	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Downstream	Dicrotendipes lobus	Period 1	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Downstream	Neogyptis crypta	Period 1	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Downstream	Nereis lamellosa	Period 1	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Downstream	Palaeonemertea	Period 1	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Downstream	Polydora websteri	Period 1	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Downstream	Polymesoda caroliniana	Period 1	result_m2	4	25.00	50.0	37.5	25.0	50.0	25.0	19	37.5	14.4	7.2	23.0
Downstream	Prionospio heterobranchia	Period 1	result_m2	4	25.00	75.0	25.0	25.0	37.5	12.5	0	37.5	25.0	12.5	39.8
Downstream	Zygonemertes virescens	Period 1	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Downstream	Enteropneusta	Period 1	result_m2	5	25.00	50.0	25.0	25.0	50.0	25.0	0	35.0	13.7	6.1	17.0
Downstream	Panopeidae	Period 1	result_m2	5	25.00	50.0	25.0	25.0	50.0	25.0	0	35.0	13.7	6.1	17.0
Downstream	Phrontis vibex	Period 1	result_m2	5	25.00	50.0	25.0	25.0	50.0	25.0	0	35.0	13.7	6.1	17.0
Downstream	Amakusanthura magnifica	Period 1	result_m2	3	25.00	50.0	25.0	25.0	37.5	12.5	0	33.3	14.4	8.3	35.9
Downstream	Nereididae	Period 1	result_m2	4	25.00	50.0	25.0	25.0	31.2	6.2	0	31.2	12.5	6.2	19.9
Downstream	Alitta succinea	Period 1	result_m2	5	25.00	50.0	25.0	25.0	25.0	0.0	0	30.0	11.2	5.0	13.9
Downstream	Glycera americana	Period 1	result_m2	13	25.00	50.0	25.0	25.0	25.0	0.0	0	28.9	9.4	2.6	5.7
Downstream	Haminoea succinea	Period 1	result_m2	7	25.00	50.0	25.0	25.0	25.0	0.0	0	28.6	9.4	3.6	8.7
Downstream	Abra aequalis	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Acteocina sp.	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Aglaophamus verrilli	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Ampelisca sp.	Period 1	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Amphinomidae	Period 1	result_m2	3	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Astyris lunata	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Austromacoma constricta	Period 1	result_m2	4	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Bocardiella sp.	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Branchiostoma floridae	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Cabira incerta	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Caecum pulchellum	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Callianasside	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Calyptraeidae	Period 1	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0

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Downstream	Capitella jonesi	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Caryocorbula swiftiana	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Chaetognatha	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Clymenella mucosa	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Crassinella lunulata	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Cryptochironomus sp.	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Cyclaspis sp. C of Rakocinski et al, 1996	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Dasyhelea sp.	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Diopatra cuprea	Period 1	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Dipolydora/Boccardiella grp.	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Djalmabatista pulcher	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Fabricinuda trilobata	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Ficopomatus uschakovi	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Gammaridea	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Gammarus mucronatus	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Gastropoda	Period 1	result_m2	4	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Hemipholis cordifera	Period 1	result_m2	3	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Hoplonemertea	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Idunella barnardi	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Japonactaeon punctostriatus	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Magelona pettiboneae	Period 1	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Marphysa sp. B of EPC	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Mercenaria sp.	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Mysidae	Period 1	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Neanthes sp. A of EPC	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Neoamphitrite cf. sp. A of Kritzler, 1984	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Odostomia laevigata	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Ophiophragmus filigraneus	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Orbiniidae	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Paradialychone uebelacker	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Paranaitis gardineri	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Parasabella sp.	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Pectinaria gouldii	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Pinnixa sp. A of LeCroy, unpublished key,Perdido,FL	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Pista sp. A of EPC	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Polycirrus sp. C of EPC	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Rathbunixa cf. pearsei	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN

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Downstream	Sabellaria sp. A of Uebelacker, 1984	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Serpulidae	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Sphaeroma quadridentatum	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Sphaerosyllis glandulata	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Spionidae	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Styelidae	Period 1	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Stylochus ellipticus	Period 1	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Syllis cf. beneliahuae	Period 1	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Syllis sp. A of EPC	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Tectonatica pusilla	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Teinostoma biscaynense	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Teinostoma sp.	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Tricladida	Period 1	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Downstream	Turbonilla (Pyrgiscus) sp. A of EPC	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Turbonilla (Pyrgiscus) sp. B of EPC	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Turbonilla cf. conradi	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Downstream	Bryozoa	Period 1	result_m2	1	1.00	1.0	1.0	1.0	1.0	0.0	0	1.0	NA	NA	NaN
Downstream	Campanulariidae	Period 1	result_m2	1	1.00	1.0	1.0	1.0	1.0	0.0	0	1.0	NA	NA	NaN
Downstream	Cliona sp.	Period 1	result_m2	1	1.00	1.0	1.0	1.0	1.0	0.0	0	1.0	NA	NA	NaN
Downstream	Schizoporella sp.	Period 1	result_m2	1	1.00	1.0	1.0	1.0	1.0	0.0	0	1.0	NA	NA	NaN
Lower	Stenoninereis martini	Period 5	result_m2	13	86.96	15565.2	1217.4	434.8	4826.1	4391.3	1676	3488.3	4620.3	1281.4	2792.0
Lower	Tubificidae w/o hair	Period 5	result_m2	3	43.48	3000.0	2391.3	1217.4	2695.7	1478.3	902	1811.6	1561.2	901.4	3878.2
Lower	Hydrobiidae	Period 5	result_m2	3	913.04	2608.7	1173.9	1043.5	1891.3	847.8	387	1565.2	913.0	527.1	2268.1
Lower	Grandidierella bonnieroides	Period 5	result_m2	9	43.48	6217.4	565.2	304.4	1304.3	1000.0	709	1449.3	2058.1	686.0	1582.0
Lower	Littoridinops sp.	Period 5	result_m2	5	86.96	3956.5	130.4	130.4	2347.8	2217.4	64	1330.4	1757.7	786.1	2182.4
Lower	Laeonereis culveri	Period 5	result_m2	8	347.83	3913.0	913.0	695.6	1456.5	760.9	741	1282.6	1141.4	403.5	954.2
Lower	Mytilopsis leucophaeata	Period 5	result_m2	11	173.91	3000.0	565.2	391.3	717.4	326.1	258	743.1	781.8	235.7	525.2
Lower	Polydora cornuta	Period 5	result_m2	2	347.83	1130.4	739.1	543.5	934.8	391.3	580	739.1	553.4	391.3	4972.0
Lower	Pyrgophorus platyrachis	Period 5	result_m2	5	43.48	2130.4	217.4	43.5	1000.0	956.5	258	687.0	898.6	401.9	1115.8
Lower	Ficopomatus enigmaticus	Period 5	result_m2	2	652.17	652.2	652.2	652.2	652.2	0.0	0	652.2	0.0	0.0	0.0
Lower	Limnodrilus hoffmeisteri	Period 5	result_m2	2	391.30	739.1	565.2	478.3	652.2	173.9	258	565.2	245.9	173.9	2209.8
Lower	Melanoides tuberculata	Period 5	result_m2	10	43.48	2391.3	130.4	130.4	608.7	478.3	129	534.8	762.8	241.2	545.7
Lower	Almyracuma bacescui	Period 5	result_m2	4	304.35	869.6	347.8	337.0	478.3	141.3	32	467.4	268.9	134.4	427.9
Lower	Gastropoda	Period 5	result_m2	1	434.78	434.8	434.8	434.8	434.8	0.0	0	434.8	NA	NA	NaN
Lower	Chironomus sp.	Period 5	result_m2	7	43.48	956.5	347.8	108.7	673.9	565.2	451	416.1	359.3	135.8	332.3
Lower	Cryptochironomus sp.	Period 5	result_m2	2	217.39	608.7	413.0	315.2	510.9	195.7	290	413.0	276.7	195.7	2486.0
Lower	Cyclaspis varians	Period 5	result_m2	1	391.30	391.3	391.3	391.3	391.3	0.0	0	391.3	NA	NA	NaN

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Lower	Chironomus decorus grp.	Period 5	result_m2	4	86.96	739.1	239.1	152.2	413.0	260.9	161	326.1	289.5	144.8	460.6
Lower	Streblospio sp.	Period 5	result_m2	3	130.44	478.3	173.9	152.2	326.1	173.9	64	260.9	189.5	109.4	470.8
Lower	Bocardiella sp.	Period 5	result_m2	1	130.44	130.4	130.4	130.4	130.4	0.0	0	130.4	NA	NA	NaN
Lower	Dicrotendipes neomodestus	Period 5	result_m2	1	130.44	130.4	130.4	130.4	130.4	0.0	0	130.4	NA	NA	NaN
Lower	Eteone heteropoda	Period 5	result_m2	1	130.44	130.4	130.4	130.4	130.4	0.0	0	130.4	NA	NA	NaN
Lower	Polypedilum halterale grp.	Period 5	result_m2	2	86.96	173.9	130.4	108.7	152.2	43.5	64	130.4	61.5	43.5	552.4
Lower	Streblospio benedicti	Period 5	result_m2	3	43.48	130.4	130.4	87.0	130.4	43.5	0	101.5	50.2	29.0	124.7
Lower	Bivalvia	Period 5	result_m2	1	86.96	87.0	87.0	87.0	87.0	0.0	0	87.0	NA	NA	NaN
Lower	Bodotriidae sp.	Period 5	result_m2	1	86.96	87.0	87.0	87.0	87.0	0.0	0	87.0	NA	NA	NaN
Lower	Cassinidea ovalis	Period 5	result_m2	1	86.96	87.0	87.0	87.0	87.0	0.0	0	87.0	NA	NA	NaN
Lower	Collembola	Period 5	result_m2	1	86.96	87.0	87.0	87.0	87.0	0.0	0	87.0	NA	NA	NaN
Lower	Hydra sp.	Period 5	result_m2	1	86.96	87.0	87.0	87.0	87.0	0.0	0	87.0	NA	NA	NaN
Lower	Mediomastus cf. ambiseta	Period 5	result_m2	1	86.96	87.0	87.0	87.0	87.0	0.0	0	87.0	NA	NA	NaN
Lower	Panopeidae	Period 5	result_m2	1	86.96	87.0	87.0	87.0	87.0	0.0	0	87.0	NA	NA	NaN
Lower	Platyhelminthes	Period 5	result_m2	1	86.96	87.0	87.0	87.0	87.0	0.0	0	87.0	NA	NA	NaN
Lower	Rhithropanopeus harrisi	Period 5	result_m2	4	43.48	217.4	43.5	43.5	87.0	43.5	0	87.0	87.0	43.5	138.4
Lower	Americamysis almyra	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Lower	Amphicteis floridus	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Lower	Bezzia/Palpomyia grp.	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Lower	Bryozoa	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Lower	Cnidaria (LPIL)	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Lower	Corbicula fluminea	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Lower	Cyprideis littoralis	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Lower	Dasyhelea sp.	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Lower	Dicrotendipes lobus	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Lower	Dicrotendipes sp.	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Lower	Dipolydora socialis	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Lower	Edotia triloba	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Lower	Hargeria rapax	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Lower	Mytilidae	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Lower	Nemertea	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Lower	Oribatida	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Lower	Placobdella ornata	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Lower	Polydora cornuta sp. complex	Period 5	result_m2	2	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	0.0	0.0	0.0
Lower	Procladius sp.	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Lower	Sinelobus stanfordi	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Lower	Sphaerosyllis sp.	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN

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Lower	Streblospio gynobranchiata	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Lower	Streblospio gynobranchiata	Period 3	result_m2	5	75.00	13925.0	875.0	825.0	11250.0	10425.0	1186	5390.0	6645.7	2972.0	8251.7
Lower	Stenonineris martini	Period 3	result_m2	9	100.00	6425.0	1375.0	650.0	2125.0	1475.0	1112	1722.2	1910.5	636.8	1468.5
Lower	Laeonereis cf. longula	Period 3	result_m2	1	1450.00	1450.0	1450.0	1450.0	1450.0	0.0	0	1450.0	NA	NA	NaN
Lower	Laeonereis culveri	Period 3	result_m2	5	25.00	6375.0	250.0	75.0	350.0	275.0	259	1415.0	2775.8	1241.4	3446.6
Lower	Grandidierella bonnieroides	Period 3	result_m2	7	25.00	7725.0	125.0	75.0	462.5	387.5	148	1278.6	2849.1	1076.8	2634.9
Lower	Melanoides tuberculata	Period 3	result_m2	8	50.00	4200.0	250.0	93.8	906.2	812.5	278	843.8	1404.0	496.4	1173.8
Lower	Chironomus sp.	Period 3	result_m2	4	25.00	2375.0	262.5	118.8	875.0	756.2	259	731.2	1105.4	552.7	1758.9
Lower	Polydora sp.	Period 3	result_m2	2	25.00	1075.0	550.0	287.5	812.5	525.0	778	550.0	742.5	525.0	6670.8
Lower	Almyracuma bacescui	Period 3	result_m2	2	25.00	775.0	400.0	212.5	587.5	375.0	556	400.0	530.3	375.0	4764.8
Lower	Pyrgophorus platyrachis	Period 3	result_m2	1	350.00	350.0	350.0	350.0	350.0	0.0	0	350.0	NA	NA	NaN
Lower	Polydora cornuta sp. complex	Period 3	result_m2	4	50.00	750.0	250.0	68.8	506.2	437.5	278	325.0	331.0	165.5	526.8
Lower	Hydrobiidae	Period 3	result_m2	3	50.00	375.0	200.0	125.0	287.5	162.5	222	208.3	162.7	93.9	404.1
Lower	Mytilopsis leucophaeata	Period 3	result_m2	6	25.00	350.0	187.5	175.0	275.0	100.0	93	204.2	113.4	46.3	119.0
Lower	Amphibalanus spp.	Period 3	result_m2	1	175.00	175.0	175.0	175.0	175.0	0.0	0	175.0	NA	NA	NaN
Lower	Tagelus plebeius	Period 3	result_m2	1	150.00	150.0	150.0	150.0	150.0	0.0	0	150.0	NA	NA	NaN
Lower	Nemertea	Period 3	result_m2	2	75.00	150.0	112.5	93.8	131.2	37.5	56	112.5	53.0	37.5	476.5
Lower	Ficopomatus sp.	Period 3	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Lower	Limnodriloides sp.	Period 3	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Lower	Chaoborus sp.	Period 3	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Lower	Dicrotendipes sp.	Period 3	result_m2	2	25.00	75.0	50.0	37.5	62.5	25.0	37	50.0	35.4	25.0	317.6
Lower	Panopeidae	Period 3	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Lower	Rhithropanopeus harrisii	Period 3	result_m2	4	25.00	50.0	37.5	25.0	50.0	25.0	19	37.5	14.4	7.2	23.0
Lower	Edotia triloba	Period 3	result_m2	3	25.00	50.0	25.0	25.0	37.5	12.5	0	33.3	14.4	8.3	35.9
Lower	Cassidinidea ovalis	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Cerapus sp. C of LeCroy, 2007	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Chironomidae	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Dicrotendipes neomodestus	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Dubiraphia sp.	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Ephemeroptera	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Gammarus sp.	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Hyaella sp.	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Leitoscoloplos foliosus	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Melita nitida complex	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Onuphidae sp.	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Polymesoda caroliniana	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Psychodidae	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN

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Lower	Pyrgophorus platyrachis	Period 2	result_m2	4	100.00	8150.0	4587.5	981.2	7962.5	6981.2	5096	4356.2	4264.6	2132.3	6785.9
Lower	Streblospio sp.	Period 2	result_m2	4	50.00	13350.0	250.0	181.2	3543.8	3362.5	167	3475.0	6584.0	3292.0	10476.7
Lower	Laeonereis culveri	Period 2	result_m2	11	25.00	12475.0	350.0	100.0	4087.5	3987.5	482	2984.1	4224.7	1273.8	2838.2
Lower	Naididae	Period 2	result_m2	7	150.00	3875.0	525.0	337.5	2162.5	1825.0	519	1364.3	1628.3	615.5	1506.0
Lower	Mytilopsis leucophaeata	Period 2	result_m2	9	25.00	7525.0	25.0	25.0	300.0	275.0	0	1194.4	2513.9	838.0	1932.4
Lower	Corbicula fluminea	Period 2	result_m2	3	250.00	1575.0	1500.0	875.0	1537.5	662.5	111	1108.3	744.3	429.7	1848.9
Lower	Dicrotendipes neomodestus	Period 2	result_m2	1	1000.00	1000.0	1000.0	1000.0	1000.0	0.0	0	1000.0	NA	NA	NaN
Lower	Stenoninereis martini	Period 2	result_m2	14	25.00	5550.0	212.5	25.0	593.8	568.8	278	876.8	1697.0	453.5	979.8
Lower	Streblospio gynobranchiata	Period 2	result_m2	2	50.00	1300.0	675.0	362.5	987.5	625.0	927	675.0	883.9	625.0	7941.4
Lower	Grandidierella bonnieroides	Period 2	result_m2	11	25.00	2300.0	275.0	25.0	1100.0	1075.0	371	645.5	792.0	238.8	532.1
Lower	Brachyura sp.	Period 2	result_m2	2	25.00	800.0	412.5	218.8	606.2	387.5	575	412.5	548.0	387.5	4923.6
Lower	Almyracuma bacescui	Period 2	result_m2	3	50.00	850.0	200.0	125.0	525.0	400.0	222	366.7	425.2	245.5	1056.4
Lower	Melanoides tuberculata	Period 2	result_m2	12	25.00	1050.0	250.0	50.0	437.5	387.5	297	345.8	376.9	108.8	239.4
Lower	Cyclaspis varians	Period 2	result_m2	3	25.00	775.0	25.0	25.0	400.0	375.0	0	275.0	433.0	250.0	1075.7
Lower	Polypedilum halterale grp.	Period 2	result_m2	4	25.00	800.0	75.0	25.0	293.8	268.8	74	243.8	373.8	186.9	594.8
Lower	Cyathura polita	Period 2	result_m2	4	25.00	375.0	187.5	25.0	356.2	331.2	241	193.8	195.1	97.6	310.5
Lower	Limnodrilus hoffmeisteri	Period 2	result_m2	3	75.00	400.0	100.0	87.5	250.0	162.5	37	191.7	180.8	104.4	449.3
Lower	Rhithropanopeus harrisi	Period 2	result_m2	3	50.00	275.0	200.0	125.0	237.5	112.5	111	175.0	114.6	66.1	284.6
Lower	Cryptochironomus sp.	Period 2	result_m2	3	75.00	300.0	125.0	100.0	212.5	112.5	74	166.7	118.1	68.2	293.5
Lower	Asheum beckae	Period 2	result_m2	2	25.00	300.0	162.5	93.8	231.2	137.5	204	162.5	194.4	137.5	1747.1
Lower	Capitella capitata sp. complex	Period 2	result_m2	1	150.00	150.0	150.0	150.0	150.0	0.0	0	150.0	NA	NA	NaN
Lower	Tubificidae w/o hair	Period 2	result_m2	2	25.00	225.0	125.0	75.0	175.0	100.0	148	125.0	141.4	100.0	1270.6
Lower	Polypedilum scalaenum grp.	Period 2	result_m2	5	25.00	225.0	100.0	50.0	200.0	150.0	111	120.0	89.1	39.8	110.6
Lower	Thalassodrilides gurwitschi	Period 2	result_m2	2	50.00	175.0	112.5	81.2	143.8	62.5	93	112.5	88.4	62.5	794.1
Lower	Chironomus sp.	Period 2	result_m2	4	25.00	175.0	112.5	62.5	156.2	93.8	74	106.2	68.8	34.4	109.5
Lower	Procladius (Holotanypus) sp.	Period 2	result_m2	1	100.00	100.0	100.0	100.0	100.0	0.0	0	100.0	NA	NA	NaN
Lower	Ablabesmyia sp.	Period 2	result_m2	2	25.00	150.0	87.5	56.2	118.8	62.5	93	87.5	88.4	62.5	794.1
Lower	Hydrobiidae	Period 2	result_m2	5	25.00	175.0	50.0	50.0	125.0	75.0	37	85.0	62.8	28.1	77.9
Lower	Mysidae	Period 2	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Lower	Polydora cornuta sp. complex	Period 2	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Lower	Streblospio benedicti	Period 2	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Lower	Edotia triloba	Period 2	result_m2	2	50.00	75.0	62.5	56.2	68.8	12.5	19	62.5	17.7	12.5	158.8
Lower	Ablabesmyia rhamphe grp.	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Lower	Cassidinidea ovalis	Period 2	result_m2	3	25.00	75.0	50.0	37.5	62.5	25.0	37	50.0	25.0	14.4	62.1
Lower	Chaoborus sp.	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Lower	Dicrotendipes simpsoni	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Lower	Djalmabatista sp.	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN

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Lower	Kirkegaardia sp.	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Lower	Littoridinops palustris	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Lower	Tanypus sp.	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Lower	Laeonereis cf. longula	Period 2	result_m2	3	25.00	75.0	25.0	25.0	50.0	25.0	0	41.7	28.9	16.7	71.7
Lower	Panopeidae	Period 2	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Lower	Ablabesmyia mallochi	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Alitta succinea	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Boccardiella ligerica	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Carazziella hobsonae	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Chironomidae	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Collembola	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Cyrnellus fraternus	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Dipolydora/Boccardiella grp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Djalmabatista pulcher variant	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Erpobdella punctata	Period 2	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Lower	Gastropoda	Period 2	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Lower	Glottidia pyramidata	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Goeldichironomus sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Leitoscoloplos sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Leptoceridae	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Littoridinops sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Melinna maculata	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Nanocladius sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Nemertea	Period 2	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Lower	Oecetis inconspicua complex	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Oecetis sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Paraprionospio sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Polydora sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Polymesoda caroliniana	Period 2	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Lower	Polypedilum sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Rudilemboides naglei	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Sphaeroma terebrans	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Trichoptera	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Laeonereis cf. longula	Period 1	result_m2	1	3375.00	3375.0	3375.0	3375.0	3375.0	0.0	0	3375.0	NA	NA	NaN
Lower	Naididae	Period 1	result_m2	2	150.00	1000.0	575.0	362.5	787.5	425.0	630	575.0	601.0	425.0	5400.1
Lower	Stenoninereis martini	Period 1	result_m2	8	25.00	1050.0	325.0	225.0	587.5	362.5	241	440.6	365.0	129.0	305.1
Lower	Streblospio benedicti	Period 1	result_m2	2	25.00	800.0	412.5	218.8	606.2	387.5	575	412.5	548.0	387.5	4923.6

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Lower	Corbicula fluminea	Period 1	result_m2	1	300.00	300.0	300.0	300.0	300.0	0.0	0	300.0	NA	NA	NaN
Lower	Chironomidae	Period 1	result_m2	1	250.00	250.0	250.0	250.0	250.0	0.0	0	250.0	NA	NA	NaN
Lower	Cryptochironomus sp.	Period 1	result_m2	1	150.00	150.0	150.0	150.0	150.0	0.0	0	150.0	NA	NA	NaN
Lower	Melanoides tuberculata	Period 1	result_m2	1	100.00	100.0	100.0	100.0	100.0	0.0	0	100.0	NA	NA	NaN
Lower	Monticellina dorsobranchialis	Period 1	result_m2	1	100.00	100.0	100.0	100.0	100.0	0.0	0	100.0	NA	NA	NaN
Lower	Pyrgophorus platyrachis	Period 1	result_m2	2	75.00	100.0	87.5	81.2	93.8	12.5	19	87.5	17.7	12.5	158.8
Lower	Almyracuma bacescui	Period 1	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Lower	Mytilopsis leucophaeata	Period 1	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Lower	Ampelisca abdita	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Capitella capitata sp. complex	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Chironomus sp.	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Laeonereis culveri	Period 1	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Lower	Nemertea	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Nereididae	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Podarkeopsis levifuscina	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Polypedilum sp.	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Lower	Rhithropanopeus harrisi	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Amphibalanus subalbidus	Period 5	result_m2	3	173.91	10478.3	869.6	521.7	5673.9	5152.2	1031	3840.6	5758.9	3324.9	14305.9
Middle	Tubificidae w/o hair	Period 5	result_m2	17	86.96	9000.0	1695.7	173.9	4260.9	4087.0	2321	2434.8	2621.5	635.8	1347.9
Middle	Stenoninereis martini	Period 5	result_m2	19	43.48	9000.0	434.8	173.9	1326.1	1152.2	516	1238.0	2107.8	483.6	1015.9
Middle	Laeonereis culveri	Period 5	result_m2	14	43.48	3087.0	739.1	130.4	1413.0	1282.6	999	913.0	908.6	242.8	524.6
Middle	Mytilopsis leucophaeata	Period 5	result_m2	12	43.48	5217.4	347.8	76.1	934.8	858.7	451	858.7	1451.3	418.9	922.1
Middle	Chironomus sp.	Period 5	result_m2	5	43.48	1956.5	608.7	391.3	1130.4	739.1	774	826.1	744.9	333.1	924.9
Middle	Grandidierella bonnieroides	Period 5	result_m2	11	43.48	6217.4	130.4	87.0	500.0	413.0	129	802.4	1814.9	547.2	1219.3
Middle	Bocardiella sp.	Period 5	result_m2	3	260.87	1826.1	304.4	282.6	1065.2	782.6	64	797.1	891.4	514.6	2214.3
Middle	Limnodrilus hoffmeisteri	Period 5	result_m2	11	86.96	3652.2	391.3	304.4	891.3	587.0	387	790.5	1003.2	302.5	673.9
Middle	Polypedilum halterale grp.	Period 5	result_m2	9	43.48	2130.4	130.4	130.4	869.6	739.1	129	594.2	704.1	234.7	541.2
Middle	Streblospio benedicti	Period 5	result_m2	5	43.48	1869.6	304.4	87.0	347.8	260.9	322	530.4	760.2	340.0	943.9
Middle	Dipolydora socialis	Period 5	result_m2	1	521.74	521.7	521.7	521.7	521.7	0.0	0	521.7	NA	NA	NaN
Middle	Melanoides tuberculata	Period 5	result_m2	15	43.48	1956.5	173.9	65.2	630.4	565.2	193	437.7	587.4	151.7	325.3
Middle	Dicrotendipes lobus	Period 5	result_m2	1	434.78	434.8	434.8	434.8	434.8	0.0	0	434.8	NA	NA	NaN
Middle	Platyhelminthes	Period 5	result_m2	1	347.83	347.8	347.8	347.8	347.8	0.0	0	347.8	NA	NA	NaN
Middle	Chironomus decorus grp.	Period 5	result_m2	7	86.96	1130.4	130.4	87.0	260.9	173.9	64	291.9	385.4	145.7	356.4
Middle	Pyrgophorus tuberculatus	Period 5	result_m2	1	260.87	260.9	260.9	260.9	260.9	0.0	0	260.9	NA	NA	NaN
Middle	Hydrobiidae	Period 5	result_m2	5	43.48	478.3	217.4	130.4	391.3	260.9	258	252.2	180.3	80.6	223.9
Middle	Dicrotendipes sp.	Period 5	result_m2	1	217.39	217.4	217.4	217.4	217.4	0.0	0	217.4	NA	NA	NaN
Middle	Panopeidae	Period 5	result_m2	3	86.96	434.8	87.0	87.0	260.9	173.9	0	202.9	200.8	115.9	498.9

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Middle	Polydora cornuta	Period 5	result_m2	3	43.48	391.3	173.9	108.7	282.6	173.9	193	202.9	175.7	101.5	436.5
Middle	Rhithropanopeus harrisi	Period 5	result_m2	7	43.48	434.8	130.4	43.5	304.4	260.9	129	186.3	162.1	61.3	149.9
Middle	Ficopomatus enigmaticus	Period 5	result_m2	3	43.48	434.8	43.5	43.5	239.1	195.7	0	173.9	225.9	130.4	561.2
Middle	Monopylephorus rubroniveus	Period 5	result_m2	1	173.91	173.9	173.9	173.9	173.9	0.0	0	173.9	NA	NA	NaN
Middle	Bivalvia	Period 5	result_m2	2	43.48	260.9	152.2	97.8	206.5	108.7	161	152.2	153.7	108.7	1381.1
Middle	Pyrgophorus platyrachis	Period 5	result_m2	6	43.48	391.3	87.0	43.5	228.3	184.8	64	152.2	144.8	59.1	152.0
Middle	Corbicula fluminea	Period 5	result_m2	6	43.48	347.8	65.2	43.5	250.0	206.5	32	144.9	142.0	58.0	149.0
Middle	Littoridinops sp.	Period 5	result_m2	3	86.96	173.9	130.4	108.7	152.2	43.5	64	130.4	43.5	25.1	108.0
Middle	Uromunna reynoldsi	Period 5	result_m2	1	130.44	130.4	130.4	130.4	130.4	0.0	0	130.4	NA	NA	NaN
Middle	Procladius sp.	Period 5	result_m2	7	43.48	347.8	43.5	43.5	108.7	65.2	0	105.6	117.4	44.4	108.5
Middle	Almyracuma bacescui	Period 5	result_m2	1	86.96	87.0	87.0	87.0	87.0	0.0	0	87.0	NA	NA	NaN
Middle	Cassidinidea ovalis	Period 5	result_m2	4	43.48	217.4	43.5	43.5	87.0	43.5	0	87.0	87.0	43.5	138.4
Middle	Gastropoda	Period 5	result_m2	2	43.48	130.4	87.0	65.2	108.7	43.5	64	87.0	61.5	43.5	552.4
Middle	Opistocystidae sp.	Period 5	result_m2	2	86.96	87.0	87.0	87.0	87.0	0.0	0	87.0	0.0	0.0	0.0
Middle	Polypedilum scalaenum grp.	Period 5	result_m2	4	43.48	130.4	87.0	43.5	130.4	87.0	64	87.0	50.2	25.1	79.9
Middle	Polypedilum sp.	Period 5	result_m2	2	86.96	87.0	87.0	87.0	87.0	0.0	0	87.0	0.0	0.0	0.0
Middle	Bezzia/Palpomyia grp.	Period 5	result_m2	2	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	0.0	0.0	0.0
Middle	Ceriodaphnia sp.	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Middle	Cladopelma sp.	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Middle	Enchytraeidae	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Middle	Hydra sp.	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Middle	Mediomastus cf. ambiseta	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Middle	Neanthes succinea	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Middle	Procladius (Holotanypus) sp.	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Middle	Procladius bellus var.1 Epler	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Middle	Tubificidae w/ hair	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Middle	Turbellaria	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Middle	Vesiculariidae	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Middle	Stenoninereis martini	Period 3	result_m2	9	325.00	5675.0	1400.0	600.0	4475.0	3875.0	1260	2308.3	2242.7	747.5	1723.9
Middle	Melanoides tuberculata	Period 3	result_m2	8	75.00	5100.0	912.5	362.5	2300.0	1937.5	1112	1618.8	1785.1	631.1	1492.4
Middle	Laeonereis culveri	Period 3	result_m2	2	25.00	2600.0	1312.5	668.8	1956.2	1287.5	1909	1312.5	1820.8	1287.5	16359.2
Middle	Pyrgophorus platyrachis	Period 3	result_m2	4	25.00	2100.0	912.5	681.2	1218.8	537.5	667	987.5	851.6	425.8	1355.1
Middle	Mytilopsis leucophaeata	Period 3	result_m2	9	25.00	3650.0	325.0	250.0	400.0	150.0	111	952.8	1397.7	465.9	1074.4
Middle	Polydora cornuta sp. complex	Period 3	result_m2	3	375.00	750.0	750.0	562.5	750.0	187.5	0	625.0	216.5	125.0	537.8
Middle	Chironomus sp.	Period 3	result_m2	8	25.00	1525.0	287.5	87.5	512.5	425.0	315	446.9	521.4	184.3	435.9
Middle	Ablabesmyia rhamphe grp.	Period 3	result_m2	1	400.00	400.0	400.0	400.0	400.0	0.0	0	400.0	NA	NA	NaN
Middle	Hydrobiidae	Period 3	result_m2	5	50.00	1650.0	75.0	50.0	175.0	125.0	37	400.0	700.7	313.4	870.0

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Middle	Chaoborus sp.	Period 3	result_m2	3	100.00	500.0	275.0	187.5	387.5	200.0	259	291.7	200.5	115.8	498.1
Middle	Tarebia granifera	Period 3	result_m2	1	250.00	250.0	250.0	250.0	250.0	0.0	0	250.0	NA	NA	NaN
Middle	Grandidierella bonnieroides	Period 3	result_m2	6	75.00	500.0	125.0	81.2	300.0	218.8	74	208.3	176.5	72.1	185.3
Middle	Naididae	Period 3	result_m2	6	25.00	900.0	87.5	37.5	118.8	81.2	74	208.3	341.2	139.3	358.1
Middle	Dicrotendipes sp.	Period 3	result_m2	5	25.00	500.0	125.0	25.0	175.0	150.0	148	170.0	195.6	87.5	242.8
Middle	Panopeidae	Period 3	result_m2	3	50.00	350.0	50.0	50.0	200.0	150.0	0	150.0	173.2	100.0	430.3
Middle	Polypedilum halterale grp.	Period 3	result_m2	1	150.00	150.0	150.0	150.0	150.0	0.0	0	150.0	NA	NA	NaN
Middle	Streblospio gynobranchiata	Period 3	result_m2	4	25.00	450.0	50.0	25.0	168.8	143.8	37	143.8	205.5	102.8	327.0
Middle	Corbicula fluminea	Period 3	result_m2	2	50.00	225.0	137.5	93.8	181.2	87.5	130	137.5	123.7	87.5	1111.8
Middle	Rhithropanopeus harrisii	Period 3	result_m2	2	25.00	225.0	125.0	75.0	175.0	100.0	148	125.0	141.4	100.0	1270.6
Middle	Boccardiella ligERICA	Period 3	result_m2	1	100.00	100.0	100.0	100.0	100.0	0.0	0	100.0	NA	NA	NaN
Middle	Nereis sp. A	Period 3	result_m2	1	100.00	100.0	100.0	100.0	100.0	0.0	0	100.0	NA	NA	NaN
Middle	Tanytarsus sp. G of Epler, 2001	Period 3	result_m2	3	25.00	125.0	100.0	62.5	112.5	50.0	37	83.3	52.0	30.1	129.3
Middle	Cassidinidea ovalis	Period 3	result_m2	4	25.00	100.0	62.5	25.0	100.0	75.0	56	62.5	43.3	21.6	68.9
Middle	Chironomidae	Period 3	result_m2	4	25.00	150.0	37.5	25.0	75.0	50.0	19	62.5	59.5	29.8	94.7
Middle	Cryptochironomus sp.	Period 3	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Middle	Cryptotendipes sp.	Period 3	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Middle	Dicrotendipes neomodestus	Period 3	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Middle	Monopylephorus rubroniveus	Period 3	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Middle	Parachironomus frequens	Period 3	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Middle	Polypedilum scalaenum grp.	Period 3	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Middle	Procladius (Holotanypus) sp.	Period 3	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Middle	Aphylla williamsoni	Period 3	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Middle	Ablabesmyia sp.	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Alitta succinea	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Anopsilana jonesi	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Edotia triloba	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Erpobdella punctata	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Eudendrium sp.	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Euhirudinea sp.	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Ficopomatus miamiensis	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Gammarida sp.	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Gastropoda	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Hargeria/Leptochelia sp. complex	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Hyalella azteca	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Hyalella sp.	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Hydroptilidae	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN

Middle	Laeonereis cf. longula	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Limnodrilus hoffmeisteri	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Melita nitida complex	Period 3	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Middle	Minuspio perkinsi	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Mysella planulata	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Nemertea	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Oecetis nocturna	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Oxyurostylis smithi	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Tagelus plebeius	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Hydrobiidae	Period 2	result_m2	7	100.00	27175.0	825.0	425.0	2162.5	1737.5	1075	4753.6	9924.3	3751.0	9178.5
Middle	Stenoninereis martini	Period 2	result_m2	19	25.00	18500.0	250.0	50.0	2175.0	2125.0	334	2173.7	4435.4	1017.5	2137.8
Middle	Melanoides tuberculata	Period 2	result_m2	15	25.00	13500.0	375.0	137.5	712.5	575.0	445	2171.7	4213.9	1088.0	2333.6
Middle	Naididae	Period 2	result_m2	15	25.00	6475.0	600.0	200.0	2150.0	1950.0	852	1603.3	1990.2	513.9	1102.1
Middle	Pyrgophorus platyrachis	Period 2	result_m2	9	50.00	12425.0	225.0	75.0	275.0	200.0	222	1591.7	4070.4	1356.8	3128.8
Middle	Laeonereis culveri	Period 2	result_m2	8	25.00	4150.0	537.5	68.8	2100.0	2031.2	741	1203.1	1480.1	523.3	1237.4
Middle	Limnodrilus hoffmeisteri	Period 2	result_m2	4	150.00	1700.0	925.0	168.8	1681.2	1512.5	1130	925.0	880.6	440.3	1401.2
Middle	Corbicula fluminea	Period 2	result_m2	9	25.00	3025.0	425.0	50.0	725.0	675.0	556	805.6	1035.5	345.1	795.9
Middle	Thalassodrilides gurwitschi	Period 2	result_m2	3	25.00	1475.0	50.0	37.5	762.5	725.0	37	516.7	830.0	479.2	2061.9
Middle	Chironomus sp.	Period 2	result_m2	8	25.00	2850.0	50.0	25.0	443.8	418.8	37	500.0	972.6	343.9	813.1
Middle	Polydora cornuta sp. complex	Period 2	result_m2	2	125.00	725.0	425.0	275.0	575.0	300.0	445	425.0	424.3	300.0	3811.9
Middle	Mytilopsis leucophaeata	Period 2	result_m2	15	25.00	800.0	175.0	50.0	512.5	462.5	222	300.0	274.2	70.8	151.8
Middle	Cryptochironomus sp.	Period 2	result_m2	5	25.00	600.0	300.0	75.0	450.0	375.0	334	290.0	244.1	109.1	303.0
Middle	Streblospio sp.	Period 2	result_m2	4	25.00	925.0	75.0	43.8	306.2	262.5	56	275.0	434.4	217.2	691.3
Middle	Polypedilum halterale grp.	Period 2	result_m2	5	25.00	750.0	50.0	50.0	300.0	250.0	37	235.0	309.0	138.2	383.7
Middle	Sphaeroma terebrans	Period 2	result_m2	1	200.00	200.0	200.0	200.0	200.0	0.0	0	200.0	NA	NA	NaN
Middle	Laeonereis cf. longula	Period 2	result_m2	6	25.00	625.0	50.0	25.0	187.5	162.5	37	166.7	237.5	97.0	249.3
Middle	Trichoptera	Period 2	result_m2	2	25.00	300.0	162.5	93.8	231.2	137.5	204	162.5	194.4	137.5	1747.1
Middle	Grandidierella bonnieroides	Period 2	result_m2	10	50.00	600.0	75.0	56.2	200.0	143.8	37	155.0	170.3	53.9	121.8
Middle	Ablabesmyia sp.	Period 2	result_m2	1	150.00	150.0	150.0	150.0	150.0	0.0	0	150.0	NA	NA	NaN
Middle	Dicrotendipes lobus	Period 2	result_m2	1	125.00	125.0	125.0	125.0	125.0	0.0	0	125.0	NA	NA	NaN
Middle	Almyracuma bacescui	Period 2	result_m2	3	50.00	175.0	75.0	62.5	125.0	62.5	37	100.0	66.1	38.2	164.3
Middle	Asheum beckae	Period 2	result_m2	1	100.00	100.0	100.0	100.0	100.0	0.0	0	100.0	NA	NA	NaN
Middle	Ceratopogonide	Period 2	result_m2	3	25.00	175.0	75.0	50.0	125.0	75.0	74	91.7	76.4	44.1	189.7
Middle	Procladius (Holotanypus) sp.	Period 2	result_m2	3	75.00	100.0	100.0	87.5	100.0	12.5	0	91.7	14.4	8.3	35.9
Middle	Caenis sp.	Period 2	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Middle	Cyrenoida floridana	Period 2	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Middle	Erpobdella punctata	Period 2	result_m2	2	25.00	125.0	75.0	50.0	100.0	50.0	74	75.0	70.7	50.0	635.3

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Middle	Oecetis inconspicua complex	Period 2	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Middle	Pisidium punctiferum	Period 2	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Middle	Cassidinidea ovalis	Period 2	result_m2	5	25.00	100.0	75.0	50.0	75.0	25.0	37	65.0	28.5	12.8	35.4
Middle	Oecetis sp.	Period 2	result_m2	2	50.00	75.0	62.5	56.2	68.8	12.5	19	62.5	17.7	12.5	158.8
Middle	Polypedilum scalaenum grp.	Period 2	result_m2	2	50.00	75.0	62.5	56.2	68.8	12.5	19	62.5	17.7	12.5	158.8
Middle	Rhithropanopeus harrisii	Period 2	result_m2	6	25.00	125.0	37.5	25.0	87.5	62.5	19	58.3	43.8	17.9	45.9
Middle	Ampelisca abdita	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Middle	Chaoborus sp.	Period 2	result_m2	2	25.00	75.0	50.0	37.5	62.5	25.0	37	50.0	35.4	25.0	317.6
Middle	Cladopelma sp.	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Middle	Cricotopus bicinctus	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Middle	Daphnia sp.	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Middle	Gastropoda	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Middle	Hyalella azteca	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Middle	Pristina (Pristinella) sp.	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Middle	Tanytarsus sp. G of Epler, 2001	Period 2	result_m2	2	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	0.0	0.0	0.0
Middle	Dipolydora/Boccardiella grp.	Period 2	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Middle	Ficopomatus sp.	Period 2	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Middle	Nemertea	Period 2	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Middle	Dicrotendipes sp.	Period 2	result_m2	4	25.00	50.0	25.0	25.0	31.2	6.2	0	31.2	12.5	6.2	19.9
Middle	Alitta succinea	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Ampelisca sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Astyris lunata	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Bezzia/Palpomyia grp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Bocardiella sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Capitella capitata sp. complex	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Chironomidae	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Cirolana parva	Period 2	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Middle	Cyclaspis varians	Period 2	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Middle	Dero nivea	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Dero obtusa	Period 2	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Middle	Enchytraeidae	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Ferrissia cf. hendersoni	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Ficopomatus miamiensis	Period 2	result_m2	3	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Middle	Hargeria rapax	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Ischadium recurvum	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Libellulidae	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Melinna maculata	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN

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Middle	Odonata	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Odostomiinae	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Orchestia sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Panopeidae	Period 2	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Middle	Probezzia sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Rhabditophora sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Sparganophilus sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Streblospio benedicti	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Tubificidae w/o hair	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Naididae	Period 1	result_m2	2	1350.00	3575.0	2462.5	1906.2	3018.8	1112.5	1649	2462.5	1573.3	1112.5	14135.6
Middle	Corbicula fluminea	Period 1	result_m2	1	1800.00	1800.0	1800.0	1800.0	1800.0	0.0	0	1800.0	NA	NA	NaN
Middle	Laeonereis cf. longula	Period 1	result_m2	3	75.00	2200.0	1725.0	900.0	1962.5	1062.5	704	1333.3	1115.3	643.9	2770.6
Middle	Stenoninereis martini	Period 1	result_m2	5	25.00	2250.0	725.0	375.0	850.0	475.0	519	845.0	848.8	379.6	1053.9
Middle	Melanoides tuberculata	Period 1	result_m2	1	150.00	150.0	150.0	150.0	150.0	0.0	0	150.0	NA	NA	NaN
Middle	Mytilopsis leucophaeata	Period 1	result_m2	1	150.00	150.0	150.0	150.0	150.0	0.0	0	150.0	NA	NA	NaN
Middle	Grandidierella bonnieroides	Period 1	result_m2	1	125.00	125.0	125.0	125.0	125.0	0.0	0	125.0	NA	NA	NaN
Middle	Chironomus sp.	Period 1	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Middle	Glycinde multidentis	Period 1	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Middle	Almyracuma bacescui	Period 1	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Middle	Hydrobiidae	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Laeonereis culveri	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Rhithropanopeus harrisii	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Streblospio gynobranchiata	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Streblospio sp.	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Middle	Tagelus plebeius	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Tubificidae w/o hair	Period 5	result_m2	19	173.91	6695.6	1608.7	673.9	2717.4	2043.5	1483	2034.3	1801.0	413.2	868.0
Upper	Stenoninereis martini	Period 5	result_m2	4	43.48	5478.3	1239.1	532.6	2706.5	2173.9	1289	2000.0	2427.3	1213.6	3862.3
Upper	Opistocystidae sp.	Period 5	result_m2	7	391.30	4391.3	869.6	739.1	1782.6	1043.5	322	1528.0	1430.0	540.5	1322.6
Upper	Cassidinidea ovalis	Period 5	result_m2	14	43.48	7782.6	543.5	152.2	1978.3	1826.1	741	1509.3	2186.2	584.3	1262.3
Upper	Clitellata w/proboscis	Period 5	result_m2	2	478.26	2434.8	1456.5	967.4	1945.7	978.3	1450	1456.5	1383.5	978.3	12430.0
Upper	Limnodrilus hoffmeisteri	Period 5	result_m2	19	43.48	3087.0	652.2	413.0	1087.0	673.9	451	915.3	836.5	191.9	403.2
Upper	Melanoides tuberculata	Period 5	result_m2	16	86.96	3652.2	500.0	130.4	1141.3	1010.9	548	883.1	1052.6	263.1	560.9
Upper	Idoteidae	Period 5	result_m2	1	826.09	826.1	826.1	826.1	826.1	0.0	0	826.1	NA	NA	NaN
Upper	Polypedilum halterale grp.	Period 5	result_m2	19	86.96	2478.3	434.8	173.9	1065.2	891.3	516	743.7	755.0	173.2	363.9
Upper	Bivalvia	Period 5	result_m2	6	43.48	1956.5	369.6	119.6	1173.9	1054.3	451	702.9	791.0	322.9	830.1
Upper	Grandidierella bonnieroides	Period 5	result_m2	6	43.48	3652.2	65.2	43.5	152.2	108.7	32	673.9	1459.9	596.0	1532.1
Upper	Polypedilum scalaenum grp.	Period 5	result_m2	11	43.48	4260.9	87.0	43.5	565.2	521.7	64	620.5	1253.2	377.9	841.9

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Upper	Dicrotendipes neomodestus	Period 5	result_m2	11	43.48	1782.6	87.0	43.5	739.1	695.6	64	450.6	604.4	182.2	406.1
Upper	Tubificidae w/ hair	Period 5	result_m2	4	86.96	1000.0	326.1	217.4	543.5	326.1	226	434.8	396.9	198.4	631.6
Upper	Ancylidae	Period 5	result_m2	1	391.30	391.3	391.3	391.3	391.3	0.0	0	391.3	NA	NA	NaN
Upper	Hyalella sp. C	Period 5	result_m2	2	43.48	739.1	391.3	217.4	565.2	347.8	516	391.3	491.9	347.8	4419.6
Upper	Pyrgophorus platyrachis	Period 5	result_m2	9	43.48	1260.9	173.9	87.0	478.3	391.3	129	372.0	416.5	138.8	320.2
Upper	Helobdella stagnalis	Period 5	result_m2	11	43.48	1260.9	217.4	108.7	478.3	369.6	193	351.8	365.6	110.2	245.6
Upper	Helobdella elongata	Period 5	result_m2	1	347.83	347.8	347.8	347.8	347.8	0.0	0	347.8	NA	NA	NaN
Upper	Corbicula fluminea	Period 5	result_m2	12	86.96	782.6	260.9	163.0	565.2	402.2	226	344.2	246.3	71.1	156.5
Upper	Ablabesmyia rhamphe grp.	Period 5	result_m2	5	130.44	782.6	260.9	173.9	260.9	87.0	129	321.7	263.8	118.0	327.5
Upper	Pristina sp.	Period 5	result_m2	2	86.96	521.7	304.4	195.7	413.0	217.4	322	304.4	307.4	217.4	2762.2
Upper	Hyalella azteca	Period 5	result_m2	5	43.48	1000.0	130.4	43.5	260.9	217.4	129	295.6	403.7	180.5	501.2
Upper	Rhithropanopeus harrisii	Period 5	result_m2	18	43.48	1739.1	130.4	43.5	282.6	239.1	129	292.3	432.4	101.9	215.0
Upper	Larsia sp.	Period 5	result_m2	1	217.39	217.4	217.4	217.4	217.4	0.0	0	217.4	NA	NA	NaN
Upper	Hydrobiidae	Period 5	result_m2	3	43.48	434.8	130.4	87.0	282.6	195.7	129	202.9	205.5	118.6	510.4
Upper	Mytilopsis leucophaeata	Period 5	result_m2	6	43.48	652.2	108.7	87.0	195.7	108.7	64	202.9	227.9	93.0	239.1
Upper	Procladius sp.	Period 5	result_m2	11	43.48	826.1	87.0	43.5	260.9	217.4	64	193.7	236.0	71.2	158.6
Upper	Laeonereis culveri	Period 5	result_m2	9	43.48	434.8	130.4	43.5	260.9	217.4	129	178.7	144.9	48.3	111.4
Upper	Dipolydora socialis	Period 5	result_m2	2	43.48	304.4	173.9	108.7	239.1	130.4	193	173.9	184.5	130.4	1657.3
Upper	Panopeidae	Period 5	result_m2	6	43.48	304.4	173.9	54.4	293.5	239.1	193	173.9	129.0	52.7	135.3
Upper	Polypedilum sp.	Period 5	result_m2	3	130.44	260.9	130.4	130.4	195.7	65.2	0	173.9	75.3	43.5	187.1
Upper	Bocardiella sp.	Period 5	result_m2	10	43.48	347.8	130.4	43.5	217.4	173.9	129	152.2	116.4	36.8	83.3
Upper	Gastropoda	Period 5	result_m2	2	43.48	260.9	152.2	97.8	206.5	108.7	161	152.2	153.7	108.7	1381.1
Upper	Hydroptila sp.	Period 5	result_m2	4	43.48	260.9	152.2	43.5	260.9	217.4	161	152.2	125.5	62.8	199.7
Upper	Chironomus sp.	Period 5	result_m2	2	43.48	217.4	130.4	87.0	173.9	87.0	129	130.4	123.0	87.0	1104.9
Upper	Dero sp.	Period 5	result_m2	2	86.96	173.9	130.4	108.7	152.2	43.5	64	130.4	61.5	43.5	552.4
Upper	Dicrotendipes modestus	Period 5	result_m2	2	86.96	173.9	130.4	108.7	152.2	43.5	64	130.4	61.5	43.5	552.4
Upper	Littoridinops palustris	Period 5	result_m2	1	130.44	130.4	130.4	130.4	130.4	0.0	0	130.4	NA	NA	NaN
Upper	Littoridinops sp.	Period 5	result_m2	4	43.48	217.4	130.4	76.1	184.8	108.7	97	130.4	79.4	39.7	126.3
Upper	Procladius (Holotanypus) sp.	Period 5	result_m2	3	43.48	217.4	87.0	65.2	152.2	87.0	64	115.9	90.5	52.2	224.8
Upper	Dicrotendipes nervosus	Period 5	result_m2	3	43.48	217.4	43.5	43.5	130.4	87.0	0	101.5	100.4	58.0	249.4
Upper	Ablabesmyia sp.	Period 5	result_m2	4	43.48	173.9	65.2	43.5	108.7	65.2	32	87.0	61.5	30.7	97.8
Upper	Americamysis almyra	Period 5	result_m2	1	86.96	87.0	87.0	87.0	87.0	0.0	0	87.0	NA	NA	NaN
Upper	Callibaetis sp.	Period 5	result_m2	1	86.96	87.0	87.0	87.0	87.0	0.0	0	87.0	NA	NA	NaN
Upper	Cryptochironomus sp.	Period 5	result_m2	2	43.48	130.4	87.0	65.2	108.7	43.5	64	87.0	61.5	43.5	552.4
Upper	Cyrnellus fraternus	Period 5	result_m2	1	86.96	87.0	87.0	87.0	87.0	0.0	0	87.0	NA	NA	NaN
Upper	Helobdella papillata	Period 5	result_m2	1	86.96	87.0	87.0	87.0	87.0	0.0	0	87.0	NA	NA	NaN
Upper	Polydora socialis	Period 5	result_m2	1	86.96	87.0	87.0	87.0	87.0	0.0	0	87.0	NA	NA	NaN

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Upper	Turbellaria	Period 5	result_m2	2	43.48	130.4	87.0	65.2	108.7	43.5	64	87.0	61.5	43.5	552.4
Upper	Streblospio benedicti	Period 5	result_m2	3	43.48	87.0	87.0	65.2	87.0	21.7	0	72.5	25.1	14.5	62.4
Upper	Oecetis inconspicua complex	Period 5	result_m2	2	43.48	87.0	65.2	54.4	76.1	21.7	32	65.2	30.7	21.7	276.2
Upper	Bezzia/Palpomyia grp.	Period 5	result_m2	5	43.48	87.0	43.5	43.5	87.0	43.5	0	60.9	23.8	10.6	29.6
Upper	Tanytarsus sp.	Period 5	result_m2	8	43.48	173.9	43.5	43.5	43.5	0.0	0	59.8	46.1	16.3	38.5
Upper	Caenis diminuta	Period 5	result_m2	4	43.48	87.0	43.5	43.5	54.4	10.9	0	54.4	21.7	10.9	34.6
Upper	Aphylla williamsoni	Period 5	result_m2	2	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	0.0	0.0	0.0
Upper	Asheum beckae	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Upper	Branchiobdellidae	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Upper	Caenis sp.	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Upper	Chironomidae	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Upper	Chironomus decorus grp.	Period 5	result_m2	3	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	0.0	0.0	0.0
Upper	Cladopelma sp.	Period 5	result_m2	2	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	0.0	0.0	0.0
Upper	Cladotanytarsus sp.	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Upper	Clinotanytus sp.	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Upper	Collembola	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Upper	Cricotopus bicinctus	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Upper	Diptera	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Upper	Dubiraphia vittata	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Upper	Edotia montosa	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Upper	Hirudinea	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Upper	Hydra sp.	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Upper	Leptoceridae	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Upper	Libellula incesta	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Upper	Libellulidae	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Upper	Nemertea	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Upper	Oecetis inconspicua	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Upper	Paranais sp.	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Upper	Sphaeroma terebrans	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Upper	Stenelmis sp.	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Upper	Stenochironomus sp.	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Upper	Tarebia granifera	Period 5	result_m2	1	43.48	43.5	43.5	43.5	43.5	0.0	0	43.5	NA	NA	NaN
Upper	Hyaella azteca	Period 3	result_m2	2	25.00	14075.0	7050.0	3537.5	10562.5	7025.0	10415	7050.0	9934.9	7025.0	89261.1
Upper	Melanoides tuberculata	Period 3	result_m2	7	300.00	14975.0	1525.0	900.0	3650.0	2750.0	1816	3700.0	5175.6	1956.2	4786.6
Upper	Cassidinidea ovalis	Period 3	result_m2	6	50.00	8875.0	212.5	87.5	3037.5	2950.0	241	2229.2	3601.3	1470.2	3779.3
Upper	Hydrobiidae	Period 3	result_m2	4	200.00	3925.0	1637.5	275.0	3212.5	2937.5	2057	1850.0	1888.2	944.1	3004.6
Upper	Pyrgophorus platyrachis	Period 3	result_m2	5	25.00	4250.0	1200.0	325.0	3325.0	3000.0	1742	1825.0	1871.6	837.0	2323.9

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Upper	Anopsilana jonesi	Period 3	result_m2	1	1400.00	1400.0	1400.0	1400.0	1400.0	0.0	0	1400.0	NA	NA	NaN
Upper	Naididae	Period 3	result_m2	7	25.00	3075.0	800.0	100.0	2600.0	2500.0	1149	1328.6	1386.3	524.0	1282.1
Upper	Mytilopsis leucophaeata	Period 3	result_m2	3	25.00	3200.0	50.0	37.5	1625.0	1587.5	37	1091.7	1825.9	1054.2	4535.8
Upper	Boccardiella ligerica	Period 3	result_m2	1	1075.00	1075.0	1075.0	1075.0	1075.0	0.0	0	1075.0	NA	NA	NaN
Upper	Gloiobdella elongata	Period 3	result_m2	1	1000.00	1000.0	1000.0	1000.0	1000.0	0.0	0	1000.0	NA	NA	NaN
Upper	Corbicula fluminea	Period 3	result_m2	4	50.00	1300.0	512.5	237.5	868.8	631.2	500	593.8	547.1	273.6	870.6
Upper	Helobdella stagnalis	Period 3	result_m2	1	550.00	550.0	550.0	550.0	550.0	0.0	0	550.0	NA	NA	NaN
Upper	Dicrotendipes sp.	Period 3	result_m2	3	25.00	1325.0	100.0	62.5	712.5	650.0	111	483.3	729.9	421.4	1813.1
Upper	Chironomus sp.	Period 3	result_m2	2	150.00	625.0	387.5	268.8	506.2	237.5	352	387.5	335.9	237.5	3017.7
Upper	Limnodrilus hoffmeisteri	Period 3	result_m2	5	25.00	800.0	375.0	25.0	450.0	425.0	519	335.0	325.3	145.5	403.9
Upper	Goeldichironomus sp.	Period 3	result_m2	2	75.00	525.0	300.0	187.5	412.5	225.0	334	300.0	318.2	225.0	2858.9
Upper	Spionidae	Period 3	result_m2	1	300.00	300.0	300.0	300.0	300.0	0.0	0	300.0	NA	NA	NaN
Upper	Sphaeroma terebrans	Period 3	result_m2	1	275.00	275.0	275.0	275.0	275.0	0.0	0	275.0	NA	NA	NaN
Upper	Polypedilum halterale grp.	Period 3	result_m2	3	25.00	725.0	50.0	37.5	387.5	350.0	37	266.7	397.1	229.3	986.5
Upper	Procladius (Holotanypus) sp.	Period 3	result_m2	2	50.00	475.0	262.5	156.2	368.8	212.5	315	262.5	300.5	212.5	2700.1
Upper	Chaoborus sp.	Period 3	result_m2	2	150.00	350.0	250.0	200.0	300.0	100.0	148	250.0	141.4	100.0	1270.6
Upper	Polypedilum sp.	Period 3	result_m2	1	250.00	250.0	250.0	250.0	250.0	0.0	0	250.0	NA	NA	NaN
Upper	Hyalella sp.	Period 3	result_m2	2	25.00	425.0	225.0	125.0	325.0	200.0	297	225.0	282.8	200.0	2541.2
Upper	Parachironomus tenuicaudatus	Period 3	result_m2	1	225.00	225.0	225.0	225.0	225.0	0.0	0	225.0	NA	NA	NaN
Upper	Stenochironomus sp.	Period 3	result_m2	1	200.00	200.0	200.0	200.0	200.0	0.0	0	200.0	NA	NA	NaN
Upper	Pisidium sp.	Period 3	result_m2	1	175.00	175.0	175.0	175.0	175.0	0.0	0	175.0	NA	NA	NaN
Upper	Ablabesmyia rhamphe grp.	Period 3	result_m2	5	75.00	375.0	125.0	100.0	125.0	25.0	37	160.0	122.0	54.5	151.4
Upper	Cryptochironomus sp.	Period 3	result_m2	1	150.00	150.0	150.0	150.0	150.0	0.0	0	150.0	NA	NA	NaN
Upper	Parachironomus directus	Period 3	result_m2	1	150.00	150.0	150.0	150.0	150.0	0.0	0	150.0	NA	NA	NaN
Upper	Parachironomus sp.	Period 3	result_m2	1	150.00	150.0	150.0	150.0	150.0	0.0	0	150.0	NA	NA	NaN
Upper	Streblospio gynobranchiata	Period 3	result_m2	2	25.00	250.0	137.5	81.2	193.8	112.5	167	137.5	159.1	112.5	1429.5
Upper	Grandidierella bonnieroides	Period 3	result_m2	4	25.00	350.0	62.5	43.8	143.8	100.0	37	125.0	151.4	75.7	240.9
Upper	Tarebia granifera	Period 3	result_m2	1	125.00	125.0	125.0	125.0	125.0	0.0	0	125.0	NA	NA	NaN
Upper	Asheum beckae	Period 3	result_m2	2	100.00	125.0	112.5	106.2	118.8	12.5	19	112.5	17.7	12.5	158.8
Upper	Amphibalanus venustus	Period 3	result_m2	2	25.00	175.0	100.0	62.5	137.5	75.0	111	100.0	106.1	75.0	953.0
Upper	Thalassodrilides gurwitschi	Period 3	result_m2	1	100.00	100.0	100.0	100.0	100.0	0.0	0	100.0	NA	NA	NaN
Upper	Stenoninereis martini	Period 3	result_m2	3	50.00	150.0	75.0	62.5	112.5	50.0	37	91.7	52.0	30.1	129.3
Upper	Uromunna reynoldsi	Period 3	result_m2	3	25.00	150.0	100.0	62.5	125.0	62.5	74	91.7	62.9	36.3	156.3
Upper	Dero pectinata	Period 3	result_m2	2	25.00	150.0	87.5	56.2	118.8	62.5	93	87.5	88.4	62.5	794.1
Upper	Dicrotendipes neomodestus	Period 3	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Upper	Euhirudinea sp.	Period 3	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Upper	Gastropoda	Period 3	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN

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Upper	Paranais litoralis	Period 3	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Upper	Polydora cornuta sp. complex	Period 3	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Upper	Ceratopogonide	Period 3	result_m2	4	25.00	100.0	75.0	43.8	100.0	56.2	37	68.8	37.5	18.8	59.7
Upper	Oecetis nocturna	Period 3	result_m2	2	25.00	100.0	62.5	43.8	81.2	37.5	56	62.5	53.0	37.5	476.5
Upper	Chironomidae	Period 3	result_m2	6	25.00	175.0	25.0	25.0	43.8	18.8	0	54.2	60.0	24.5	63.0
Upper	Aphylla williamsoni	Period 3	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Upper	Arhynchobdellida sp.	Period 3	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Upper	Bratislavia unidentata	Period 3	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Upper	Parachironomus carinatus	Period 3	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Upper	Peltodytes sp.	Period 3	result_m2	2	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	0.0	0.0	0.0
Upper	Oecetis sp.	Period 3	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Upper	Ablabesmyia sp.	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Aoridae sp.	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Apedilum sp.	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Chaoborus punctipennis	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Cirolana cf. jonesi	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Cladotanytarsus sp. F	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Coenagrionidae	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Cryptotendipes sp.	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Cyrnellus fraternus	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Enallagma sp.	Period 3	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Upper	Enchytraeidae	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Ephemeroptera	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Eudendrium sp.	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Glossiphoniidae sp.	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Hydroptila sp.	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Hydrozoa	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Isopoda	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Laeonereis culveri	Period 3	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Upper	Libellulidae	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Melinna maculata	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Nemertea	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Polycladida sp.	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Pristina leidyi	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Pristina sp.	Period 3	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Upper	Procladius sp.	Period 3	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Upper	Rhithropanopeus harrisi	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN

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Upper	Tanytarsus sp. G	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Zygoptera	Period 3	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Melanoides tuberculata	Period 2	result_m2	8	75.00	13775.0	887.5	143.8	7200.0	7056.2	1168	3931.2	5239.4	1852.4	4380.2
Upper	Hydrobiidae	Period 2	result_m2	6	6.25	15825.0	112.5	81.2	743.8	662.5	107	2846.9	6367.7	2599.6	6682.5
Upper	Pyrgophorus platyrachis	Period 2	result_m2	10	0.02	12775.0	225.0	147.7	1125.0	977.3	132	2677.2	4991.9	1578.6	3571.0
Upper	Naididae	Period 2	result_m2	10	75.00	5250.0	1987.5	1200.0	3968.8	2768.8	2372	2405.0	1794.5	567.5	1283.7
Upper	Stenoninereis martini	Period 2	result_m2	7	17.19	8375.0	575.0	250.0	1200.0	950.0	827	1695.3	2984.5	1128.0	2760.2
Upper	Corbicula fluminea	Period 2	result_m2	14	0.00	4175.0	425.0	37.5	1912.5	1875.0	612	1053.6	1265.4	338.2	730.6
Upper	Laeonereis cf. longula	Period 2	result_m2	3	125.00	2375.0	375.0	250.0	1375.0	1125.0	371	958.3	1233.2	712.0	3063.5
Upper	Mytilopsis leucophaeata	Period 2	result_m2	4	0.00	3200.0	37.5	18.8	837.5	818.8	37	818.8	1587.6	793.8	2526.3
Upper	Pristina (Pristinella) sima	Period 2	result_m2	3	25.00	1650.0	50.0	37.5	850.0	812.5	37	575.0	931.1	537.5	2312.9
Upper	Polypedilum scalaenum grp.	Period 2	result_m2	4	50.00	1475.0	300.0	68.8	762.5	693.8	352	531.2	666.0	333.0	1059.7
Upper	Grandidierella bonnieroides	Period 2	result_m2	10	0.00	2800.0	187.5	31.2	450.0	418.8	251	508.6	864.4	273.4	618.4
Upper	Limnodrilus hoffmeisteri	Period 2	result_m2	13	75.00	1300.0	275.0	125.0	625.0	500.0	259	476.9	457.7	127.0	276.6
Upper	Helobdella stagnalis	Period 2	result_m2	2	150.00	775.0	462.5	306.2	618.8	312.5	463	462.5	441.9	312.5	3970.7
Upper	Tubificidae w/o hair	Period 2	result_m2	4	100.00	850.0	450.0	137.5	775.0	637.5	482	462.5	392.4	196.2	624.4
Upper	Dicrotendipes sp.	Period 2	result_m2	6	25.00	1075.0	158.6	104.3	593.8	489.4	142	373.7	426.1	173.9	447.1
Upper	Laeonereis culveri	Period 2	result_m2	7	25.00	1450.0	50.0	25.0	512.5	487.5	37	371.4	529.4	200.1	489.6
Upper	Hyaella azteca	Period 2	result_m2	6	25.00	1900.0	45.3	28.9	50.0	21.1	19	348.4	760.2	310.4	797.8
Upper	Polypedilum halterale grp.	Period 2	result_m2	10	0.00	1700.0	125.0	31.2	300.0	268.8	164	295.3	511.0	161.6	365.6
Upper	Chironomus sp.	Period 2	result_m2	7	25.00	1475.0	100.0	37.5	112.5	75.0	74	271.4	532.2	201.2	492.2
Upper	Uromunna reynoldsi	Period 2	result_m2	5	0.00	650.0	125.0	104.7	400.0	295.3	185	255.9	265.3	118.7	329.4
Upper	Procladius (Holotanypus) sp.	Period 2	result_m2	4	25.00	550.0	137.5	62.5	287.5	225.0	130	212.5	236.7	118.4	376.7
Upper	Cassidinidea ovalis	Period 2	result_m2	12	0.01	1550.0	96.1	25.0	175.0	150.0	105	211.8	426.6	123.2	271.1
Upper	Asheum beckae	Period 2	result_m2	1	200.00	200.0	200.0	200.0	200.0	0.0	0	200.0	NA	NA	NaN
Upper	Helobdella papillata	Period 2	result_m2	1	175.00	175.0	175.0	175.0	175.0	0.0	0	175.0	NA	NA	NaN
Upper	Sphaerium sp.	Period 2	result_m2	2	25.00	300.0	162.5	93.8	231.2	137.5	204	162.5	194.4	137.5	1747.1
Upper	Boccardiella ligerica	Period 2	result_m2	2	125.00	150.0	137.5	131.2	143.8	12.5	19	137.5	17.7	12.5	158.8
Upper	Paralauterborniella nigrohalteralis	Period 2	result_m2	1	125.00	125.0	125.0	125.0	125.0	0.0	0	125.0	NA	NA	NaN
Upper	Cryptochironomus sp.	Period 2	result_m2	6	25.00	450.0	62.5	50.0	75.0	25.0	19	120.8	162.3	66.3	170.4
Upper	Ablabesmyia sp.	Period 2	result_m2	2	12.50	200.0	106.2	59.4	153.1	93.8	139	106.2	132.6	93.8	1191.2
Upper	Culicoides sp.	Period 2	result_m2	1	100.00	100.0	100.0	100.0	100.0	0.0	0	100.0	NA	NA	NaN
Upper	Goeldichironomus sp.	Period 2	result_m2	1	100.00	100.0	100.0	100.0	100.0	0.0	0	100.0	NA	NA	NaN
Upper	Libellula sp.	Period 2	result_m2	1	100.00	100.0	100.0	100.0	100.0	0.0	0	100.0	NA	NA	NaN
Upper	Procladius sp.	Period 2	result_m2	2	25.00	150.0	87.5	56.2	118.8	62.5	93	87.5	88.4	62.5	794.1
Upper	Brachyura sp.	Period 2	result_m2	2	50.00	100.0	75.0	62.5	87.5	25.0	37	75.0	35.4	25.0	317.6
Upper	Dero nivea	Period 2	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN

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Upper	Dipolydora/Boccardiella grp.	Period 2	result_m2	2	25.00	125.0	75.0	50.0	100.0	50.0	74	75.0	70.7	50.0	635.3
Upper	Mysidae	Period 2	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Upper	Nais communis sp. complex	Period 2	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Upper	Planorbella scalaris	Period 2	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Upper	Tanytarsus sp. G	Period 2	result_m2	2	25.00	125.0	75.0	50.0	100.0	50.0	74	75.0	70.7	50.0	635.3
Upper	Ceratopogonide	Period 2	result_m2	2	25.00	100.0	62.5	43.8	81.2	37.5	56	62.5	53.0	37.5	476.5
Upper	Pristina sp.	Period 2	result_m2	2	25.00	100.0	62.5	43.8	81.2	37.5	56	62.5	53.0	37.5	476.5
Upper	Ablabesmyia mallochi	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Upper	Bezzia/Palpomyia grp.	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Upper	Cricotopus bicinctus	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Upper	Euplana gracilis	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Upper	Goeldichironomus carus	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Upper	Helobdella elongata	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Upper	Parachironomus sp.	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Upper	Tanytarsus sp. K	Period 2	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Upper	Rhithropanopeus harrisi	Period 2	result_m2	6	0.00	100.0	50.0	8.6	75.0	66.4	53	46.4	42.4	17.3	44.5
Upper	Tanytarsus sp. G of Epler, 2001	Period 2	result_m2	3	25.00	50.0	50.0	37.5	50.0	12.5	0	41.7	14.4	8.3	35.9
Upper	Chironomidae	Period 2	result_m2	3	0.00	100.0	20.3	10.2	60.2	50.0	30	40.1	52.9	30.5	131.3
Upper	Ephemeroptera	Period 2	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Upper	Gammarus mucronatus	Period 2	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Upper	Libellulidae	Period 2	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Upper	Pseudochironomus sp.	Period 2	result_m2	2	25.00	50.0	37.5	31.2	43.8	12.5	19	37.5	17.7	12.5	158.8
Upper	Oecetis sp.	Period 2	result_m2	3	25.00	50.0	25.0	25.0	37.5	12.5	0	33.3	14.4	8.3	35.9
Upper	Dicrotendipes neomodestus	Period 2	result_m2	5	0.00	75.0	25.0	15.6	50.0	34.4	37	33.1	29.6	13.2	36.8
Upper	Tanytarsus sp.	Period 2	result_m2	2	14.06	50.0	32.0	23.1	41.0	18.0	27	32.0	25.4	18.0	228.3
Upper	Hydroptila sp.	Period 2	result_m2	3	20.31	50.0	25.0	22.7	37.5	14.8	7	31.8	16.0	9.2	39.6
Upper	Polypedilum sp.	Period 2	result_m2	3	1.56	50.0	25.0	13.3	37.5	24.2	35	25.5	24.2	14.0	60.2
Upper	Americamysis stucki	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Ancylidae	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Berosus sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Chaoborus sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Cladopelma sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Cladotanytarsus sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Collembola	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Djalmabatista pulcher	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Enchytraeidae	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Erpobdella punctata	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN

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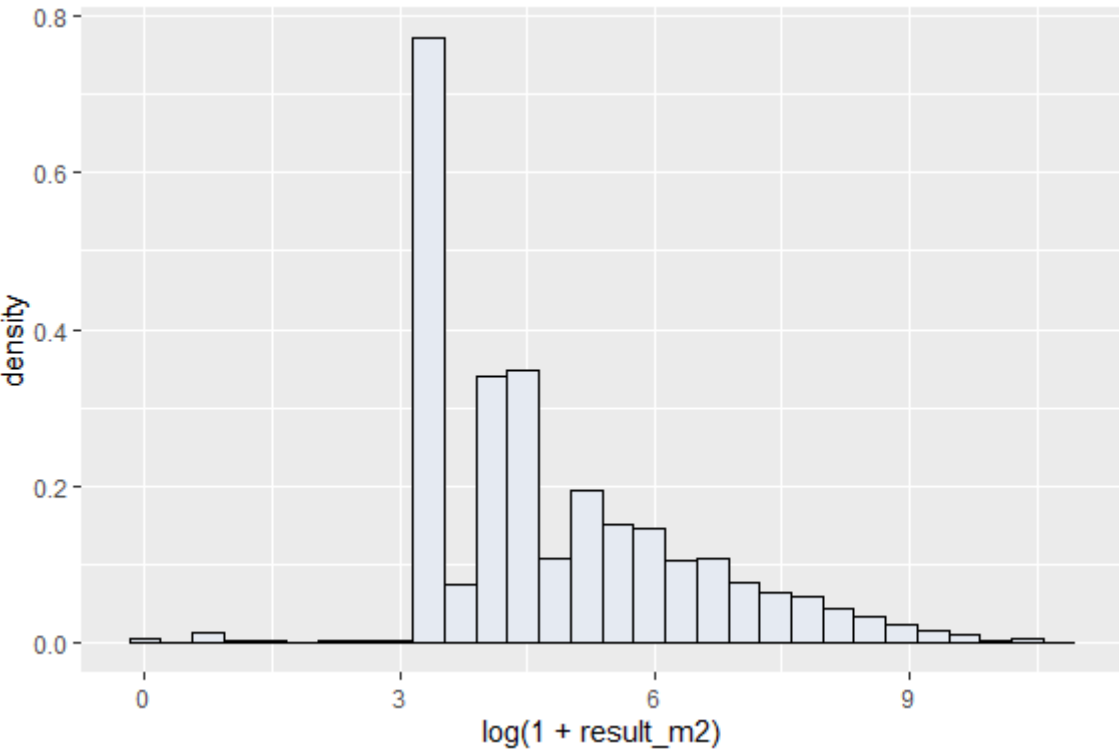
Upper	Gloiobdella elongata	Period 2	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Upper	Hargeria rapax	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Hirudinea	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Hydroptilidae	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Kirsteueriella cf. biocellata	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Leptoceridae	Period 2	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Upper	Naidinae sp. A of EPC	Period 2	result_m2	2	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	0.0	0.0	0.0
Upper	Oecetis sp. A of Epler, 2001	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Pristina (Pristina) proboscidea	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Pristina (Pristinella) cf. osborni	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Streblospio sp.	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Tanypodinae	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Tubulanus pellucidus	Period 2	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Ablabesmyia rhamphe grp.	Period 2	result_m2	2	0.00	46.9	23.4	11.7	35.2	23.4	35	23.4	33.1	23.4	297.8
Upper	Cirolana parva	Period 2	result_m2	2	9.38	25.0	17.2	13.3	21.1	7.8	12	17.2	11.1	7.8	99.3
Upper	Polypedilum beckae	Period 2	result_m2	1	14.06	14.1	14.1	14.1	14.1	0.0	0	14.1	NA	NA	NaN
Upper	Enallagma sp.	Period 2	result_m2	2	1.56	25.0	13.3	7.4	19.1	11.7	17	13.3	16.6	11.7	148.9
Upper	Dicrotendipes lobus	Period 2	result_m2	1	7.81	7.8	7.8	7.8	7.8	0.0	0	7.8	NA	NA	NaN
Upper	Dipolydora socialis	Period 2	result_m2	2	0.00	9.4	4.7	2.3	7.0	4.7	7	4.7	6.6	4.7	59.6
Upper	Neureclipsis sp.	Period 2	result_m2	1	3.12	3.1	3.1	3.1	3.1	0.0	0	3.1	NA	NA	NaN
Upper	Coenagrionidae	Period 2	result_m2	1	1.56	1.6	1.6	1.6	1.6	0.0	0	1.6	NA	NA	NaN
Upper	Cyrnellus fraternus	Period 2	result_m2	1	1.56	1.6	1.6	1.6	1.6	0.0	0	1.6	NA	NA	NaN
Upper	Enallagma coecum	Period 2	result_m2	1	1.56	1.6	1.6	1.6	1.6	0.0	0	1.6	NA	NA	NaN
Upper	Melanoides turriculus	Period 2	result_m2	1	1.56	1.6	1.6	1.6	1.6	0.0	0	1.6	NA	NA	NaN
Upper	Palaemonetes pugio	Period 2	result_m2	1	0.00	0.0	0.0	0.0	0.0	0.0	0	0.0	NA	NA	NaN
Upper	Corbicula fluminea	Period 1	result_m2	3	75.00	3025.0	2300.0	1187.5	2662.5	1475.0	1075	1800.0	1537.2	887.5	3818.7
Upper	Naididae	Period 1	result_m2	4	25.00	2450.0	1862.5	1318.8	2093.8	775.0	519	1550.0	1057.7	528.9	1683.0
Upper	Laeonereis cf. longula	Period 1	result_m2	4	25.00	4275.0	550.0	43.8	1856.2	1812.5	760	1350.0	2007.6	1003.8	3194.5
Upper	Laeonereis culveri	Period 1	result_m2	1	1325.00	1325.0	1325.0	1325.0	1325.0	0.0	0	1325.0	NA	NA	NaN
Upper	Dicrotendipes lobus	Period 1	result_m2	1	1125.00	1125.0	1125.0	1125.0	1125.0	0.0	0	1125.0	NA	NA	NaN
Upper	Monopylephorus rubroniveus	Period 1	result_m2	1	975.00	975.0	975.0	975.0	975.0	0.0	0	975.0	NA	NA	NaN
Upper	Mytilopsis leucophaeata	Period 1	result_m2	2	50.00	1375.0	712.5	381.2	1043.8	662.5	982	712.5	936.9	662.5	8417.9
Upper	Pyrgophorus platyrachis	Period 1	result_m2	4	25.00	1950.0	325.0	250.0	731.2	481.2	222	656.2	874.0	437.0	1390.8
Upper	Rhithropanopeus harrisi	Period 1	result_m2	2	25.00	775.0	400.0	212.5	587.5	375.0	556	400.0	530.3	375.0	4764.8
Upper	Melanoides tuberculata	Period 1	result_m2	3	100.00	350.0	125.0	112.5	237.5	125.0	37	191.7	137.7	79.5	342.0
Upper	Stenoninereis martini	Period 1	result_m2	3	50.00	450.0	75.0	62.5	262.5	200.0	37	191.7	224.1	129.4	556.6
Upper	Chironomus sp.	Period 1	result_m2	3	25.00	475.0	50.0	37.5	262.5	225.0	37	183.3	252.9	146.0	628.2

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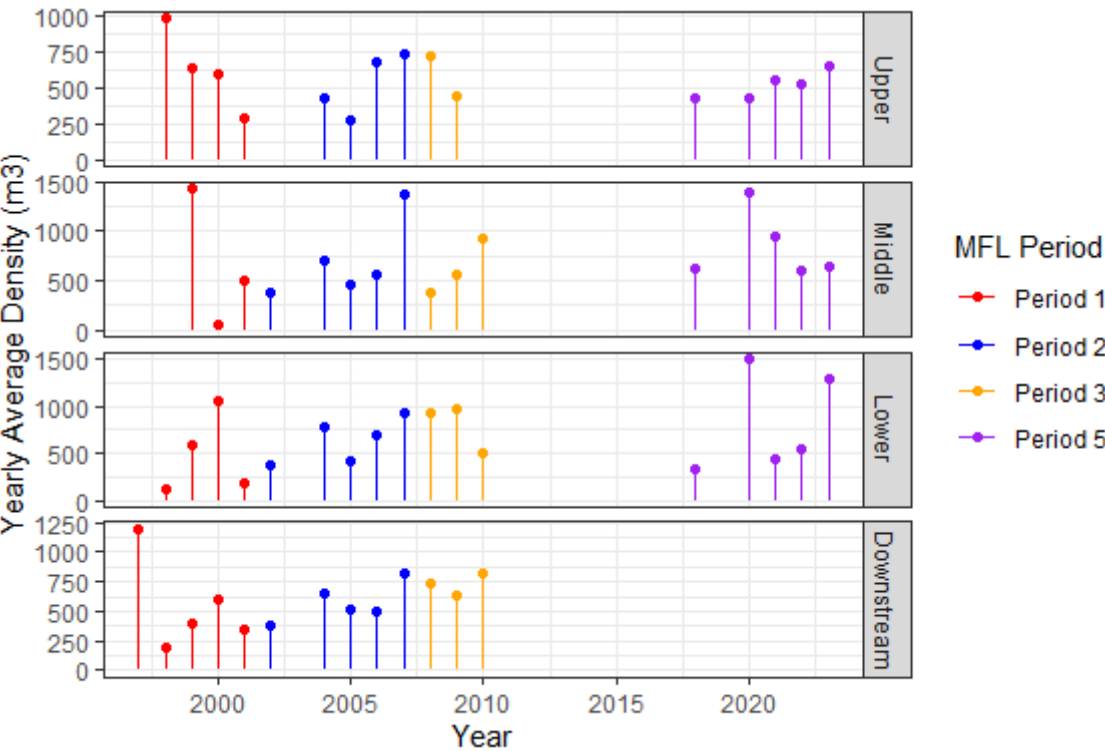
Upper	Grandidierella bonnieroides	Period 1	result_m2	1	175.00	175.0	175.0	175.0	175.0	0.0	0	175.0	NA	NA	NaN
Upper	Hyaella sp. A	Period 1	result_m2	1	175.00	175.0	175.0	175.0	175.0	0.0	0	175.0	NA	NA	NaN
Upper	Littoridinops palustris	Period 1	result_m2	1	150.00	150.0	150.0	150.0	150.0	0.0	0	150.0	NA	NA	NaN
Upper	Onobops sp.	Period 1	result_m2	1	150.00	150.0	150.0	150.0	150.0	0.0	0	150.0	NA	NA	NaN
Upper	Cassidinidea ovalis	Period 1	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Upper	Hydrobiidae	Period 1	result_m2	1	75.00	75.0	75.0	75.0	75.0	0.0	0	75.0	NA	NA	NaN
Upper	Carazziella hobsonae	Period 1	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Upper	Exosphaeroma diminutum	Period 1	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Upper	Hebetancylus excentricus	Period 1	result_m2	1	50.00	50.0	50.0	50.0	50.0	0.0	0	50.0	NA	NA	NaN
Upper	Asheum beckae	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Boonea impressa	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Capitella capitata sp. complex	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Ceratopogonide	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Kurtiella planulata	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Panopeidae	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Parachironomus sp.	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Polydora sp.	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Prostoma sp.	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN
Upper	Tubificidae w/o hair	Period 1	result_m2	1	25.00	25.0	25.0	25.0	25.0	0.0	0	25.0	NA	NA	NaN

4.2.2 FIGURES

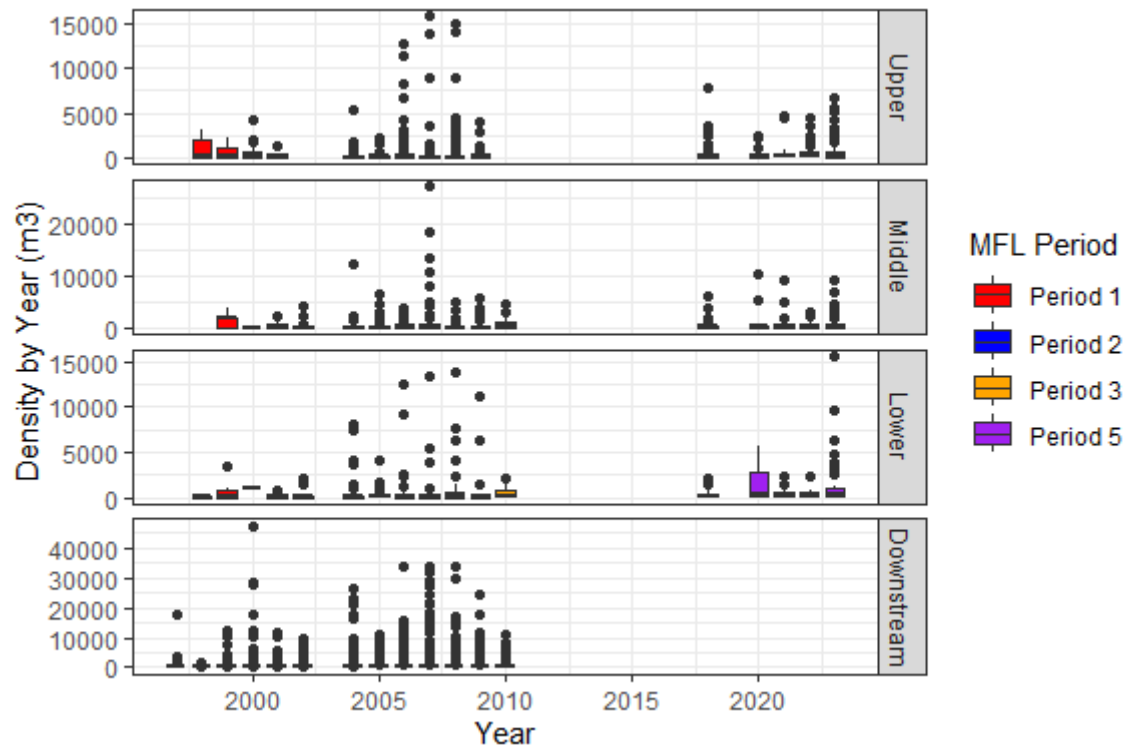
4.2.2.1 Histogram of species density



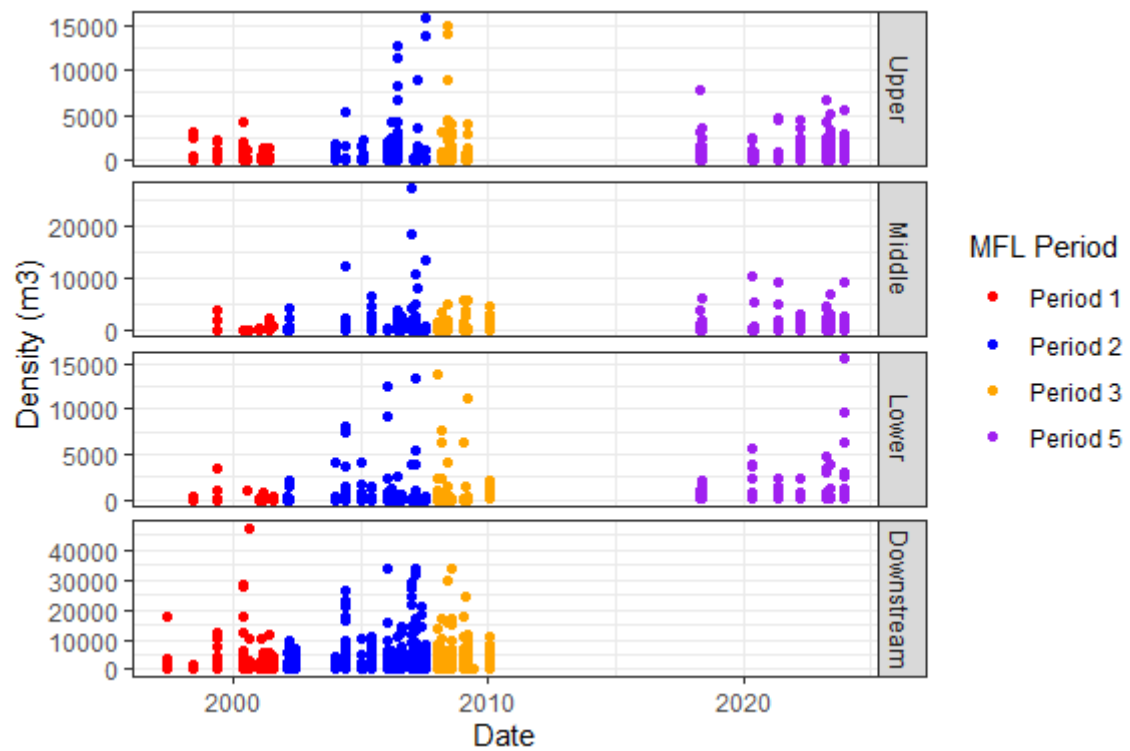
4.2.2.2 Average density over time, grouped by year of sampling.



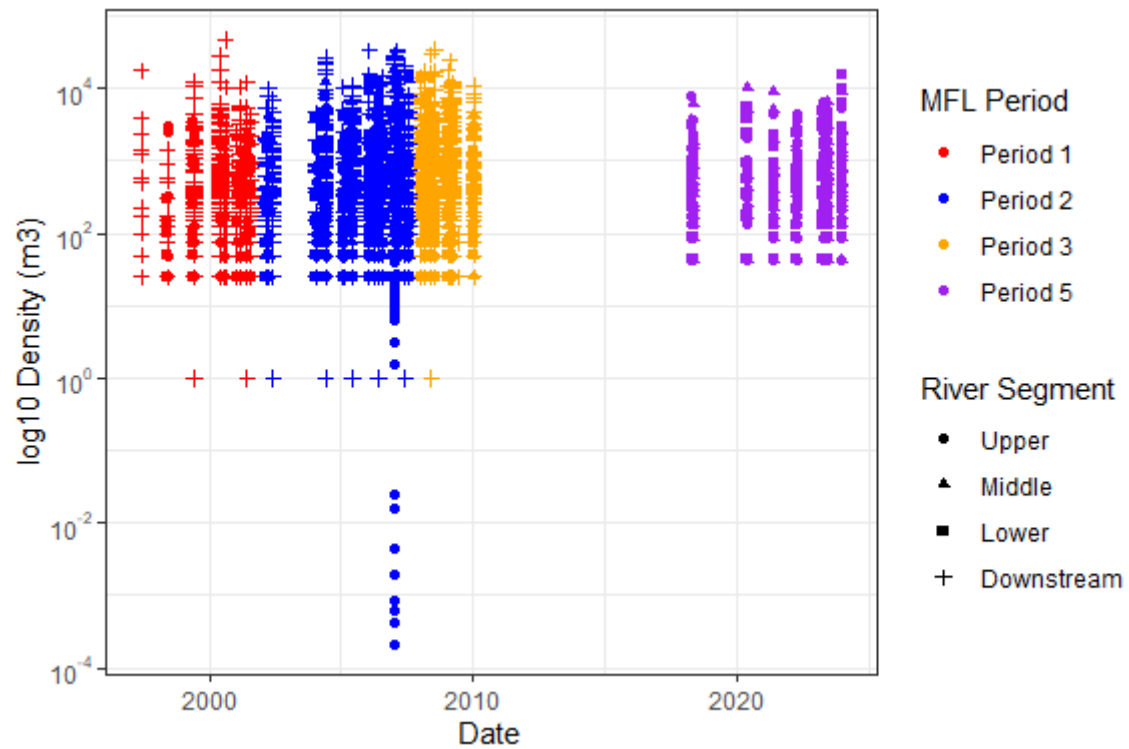
4.2.2.3 Boxplots of individual densities, grouped by year, by MFL period and river segment.



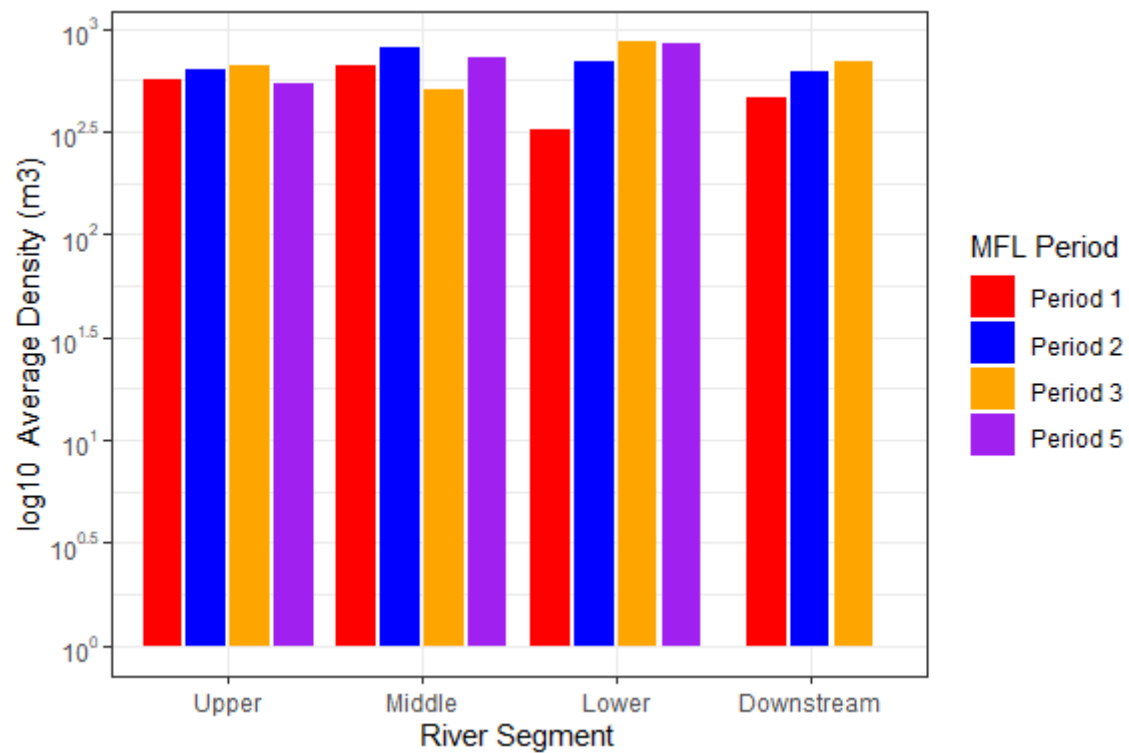
4.2.2.4 Density of individuals by MFL period and river segment.



4.2.2.5 Density of individuals by river segment and MFL period.



4.2.2.6 Density by MFL period and river segment.



4.3 DIVERSITY

4.3.1 TABLES

4.3.1.1 Diversity by Site

Site	River Segment	MFL Period	Date	Shan_div
00HR064	Downstream	Period 1	2000-06-01	2.44
00HR065	Downstream	Period 1	2000-06-01	1.84
00HR069	Downstream	Period 1	2000-06-01	1.58
00HR099	Downstream	Period 1	2000-06-01	1.41
00HR102	Middle	Period 1	2000-06-01	0.00
00HR121	Downstream	Period 1	2000-06-01	1.67
00HR122	Downstream	Period 1	2000-06-01	1.57
00HR126	Downstream	Period 1	2000-06-01	2.28
00HR133	Downstream	Period 1	2000-06-01	0.00
00HR136	Downstream	Period 1	2000-06-01	2.23
00HR148	Downstream	Period 1	2000-06-01	0.69
00HR156	Downstream	Period 1	2000-06-01	2.87
00HR166	Downstream	Period 1	2000-06-01	0.69
00HR170	Downstream	Period 1	2000-06-01	0.69
00HR177	Downstream	Period 1	2000-06-01	1.83
00HR178	Downstream	Period 1	2000-06-01	0.00
00HR183	Downstream	Period 1	2000-06-01	1.79
00HR192	Downstream	Period 1	2000-06-01	0.00
00HR196	Upper	Period 1	2000-06-01	1.62
01HR124	Downstream	Period 1	2001-06-01	2.29
01HR125	Downstream	Period 1	2001-06-01	0.33
01HR127	Downstream	Period 1	2001-06-01	1.82
01HR128	Middle	Period 1	2001-06-01	0.00
01HR129	Middle	Period 1	2001-06-01	1.49
01HR130	Downstream	Period 1	2001-06-01	3.17
01HR132	Downstream	Period 1	2001-06-01	2.87
01HR133	Downstream	Period 1	2001-06-01	2.15
01HR135	Downstream	Period 1	2001-06-01	0.69
01HR137	Downstream	Period 1	2001-06-01	2.53
01HR138	Downstream	Period 1	2001-06-01	2.91
01HR139	Downstream	Period 1	2001-06-01	0.69
01HR140	Downstream	Period 1	2001-06-01	1.00
01HR141	Downstream	Period 1	2001-06-01	2.78
01HR144	Downstream	Period 1	2001-06-01	1.61
01HR145	Downstream	Period 1	2001-06-01	0.20
01HR146	Downstream	Period 1	2001-06-01	1.92
01HR147	Downstream	Period 1	2001-06-01	0.38
01HR148	Downstream	Period 1	2001-06-01	0.90
01HR149	Upper	Period 1	2001-06-01	1.09
01HR150	Upper	Period 1	2001-06-01	0.00
01HR151	Downstream	Period 1	2001-06-01	0.80
01HR152	Downstream	Period 1	2001-06-01	2.21
02HR122	Downstream	Period 2	2002-06-01	2.12
02HR124	Downstream	Period 2	2002-06-01	0.56
02HR130	Downstream	Period 2	2002-06-01	1.84
02HR136	Downstream	Period 2	2002-06-01	1.87
02HR137	Downstream	Period 2	2002-06-01	0.74
02HR139	Downstream	Period 2	2002-06-01	1.04
02HR140	Downstream	Period 2	2002-06-01	0.87
02HR141	Downstream	Period 2	2002-06-01	0.00

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02HR142	Downstream	Period 2	2002-06-01	0.00
02HR143	Downstream	Period 2	2002-06-01	1.15
02HR144	Downstream	Period 2	2002-06-01	0.91
02HR145	Downstream	Period 2	2002-06-01	1.26
02HR147	Downstream	Period 2	2002-06-01	0.69
02HR148	Downstream	Period 2	2002-06-01	0.05
02HR151	Downstream	Period 2	2002-06-01	0.00
02HR153	Downstream	Period 2	2002-06-01	1.14
02HR154	Downstream	Period 2	2002-06-01	1.24
02HR155	Downstream	Period 2	2002-06-01	0.84
02HR156	Downstream	Period 2	2002-06-01	1.95
02HR159	Downstream	Period 2	2002-06-01	1.24
02HR164	Downstream	Period 2	2002-06-01	0.61
02HR168	Downstream	Period 2	2002-06-01	0.74
04HR245	Middle	Period 2	2004-06-01	1.46
04HR247	Downstream	Period 2	2004-06-01	1.03
04HR248	Downstream	Period 2	2004-06-01	0.87
04HR249	Downstream	Period 2	2004-06-01	1.28
04HR250	Downstream	Period 2	2004-06-01	0.52
04HR251	Downstream	Period 2	2004-06-01	1.94
04HR252	Downstream	Period 2	2004-06-01	0.85
04HR253	Downstream	Period 2	2004-06-01	2.36
04HR257	Downstream	Period 2	2004-06-01	1.48
04HR258	Downstream	Period 2	2004-06-01	1.97
04HR259	Downstream	Period 2	2004-06-01	1.45
04HR262	Middle	Period 2	2004-06-01	1.42
04HR265	Downstream	Period 2	2004-06-01	1.70
04HR266	Downstream	Period 2	2004-06-01	0.94
04HR268	Lower	Period 2	2004-06-01	0.93
04HR269	Downstream	Period 2	2004-06-01	1.88
04HR272	Downstream	Period 2	2004-06-01	0.98
04HR273	Downstream	Period 2	2004-06-01	1.79
04HR276	Downstream	Period 2	2004-06-01	0.85
04HR277	Downstream	Period 2	2004-06-01	1.16
04HR278	Downstream	Period 2	2004-06-01	1.37
04HR279	Downstream	Period 2	2004-06-01	1.32
04HR280	Downstream	Period 2	2004-06-01	1.57
04HR282	Downstream	Period 2	2004-06-01	1.85
04HR289	Lower	Period 2	2004-06-01	1.51
04HR290	Upper	Period 2	2004-06-01	1.26
04HR295	Downstream	Period 2	2004-06-01	1.94
04HR298	Downstream	Period 2	2004-06-01	2.15
04HR299	Downstream	Period 2	2004-06-01	1.46
05HR306	Downstream	Period 2	2005-06-01	1.20
05HR307	Downstream	Period 2	2005-06-01	0.00
05HR309	Downstream	Period 2	2005-06-01	2.08
05HR311	Lower	Period 2	2005-06-01	1.89
05HR314	Downstream	Period 2	2005-06-01	1.61
05HR319	Middle	Period 2	2005-06-01	1.47
05HR321	Downstream	Period 2	2005-06-01	2.11
05HR323	Downstream	Period 2	2005-06-01	1.18
05HR325	Downstream	Period 2	2005-06-01	1.71
05HR326	Downstream	Period 2	2005-06-01	1.11
05HR327	Downstream	Period 2	2005-06-01	2.31
05HR328	Downstream	Period 2	2005-06-01	1.61
05HR330	Downstream	Period 2	2005-06-01	0.69
05HR336	Downstream	Period 2	2005-06-01	1.59

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05HR342	Downstream	Period 2	2005-06-01	1.61
05HR346	Downstream	Period 2	2005-06-01	1.31
05HR356	Downstream	Period 2	2005-06-01	1.40
05HR361	Downstream	Period 2	2005-06-01	0.53
05HR367	Downstream	Period 2	2005-06-01	0.84
05HR368	Middle	Period 2	2005-06-01	1.42
05HR369	Middle	Period 2	2005-06-01	1.23
05HR371	Downstream	Period 2	2005-06-01	1.74
05HR372	Downstream	Period 2	2005-06-01	1.77
05HR375	Downstream	Period 2	2005-06-01	1.10
05HR376	Downstream	Period 2	2005-06-01	2.20
05HR381	Downstream	Period 2	2005-06-01	2.24
05HR382	Downstream	Period 2	2005-06-01	1.09
05HR384	Downstream	Period 2	2005-06-01	1.54
05HR387	Downstream	Period 2	2005-06-01	1.28
05HR400	Downstream	Period 2	2005-06-01	1.21
06HR401	Downstream	Period 2	2006-06-01	1.17
06HR408	Downstream	Period 2	2006-06-01	2.56
06HR413	Middle	Period 2	2006-06-01	0.91
06HR416	Upper	Period 2	2006-06-01	1.91
06HR420	Downstream	Period 2	2006-06-01	0.89
06HR422	Upper	Period 2	2006-06-01	2.11
06HR424	Middle	Period 2	2006-06-01	0.69
06HR428	Downstream	Period 2	2006-06-01	0.78
06HR429	Downstream	Period 2	2006-06-01	0.16
06HR435	Middle	Period 2	2006-06-01	1.82
06HR437	Downstream	Period 2	2006-06-01	1.35
06HR438	Downstream	Period 2	2006-06-01	0.43
06HR447	Downstream	Period 2	2006-06-01	2.61
06HR449	Downstream	Period 2	2006-06-01	2.39
06HR455	Downstream	Period 2	2006-06-01	1.24
06HR456	Downstream	Period 2	2006-06-01	2.57
06HR457	Lower	Period 2	2006-06-01	0.69
06HR461	Downstream	Period 2	2006-06-01	1.21
06HR463	Lower	Period 2	2006-06-01	1.23
06HR470	Lower	Period 2	2006-06-01	0.58
06HR471	Downstream	Period 2	2006-06-01	1.88
06HR479	Downstream	Period 2	2006-06-01	1.29
06HR486	Middle	Period 2	2006-06-01	0.23
06HR488	Upper	Period 2	2006-06-01	1.66
06HR489	Downstream	Period 2	2006-06-01	1.04
06HR492	Upper	Period 2	2006-06-01	1.72
06HR497	Downstream	Period 2	2006-06-01	0.63
06HR499	Downstream	Period 2	2006-06-01	2.78
07HR507	Downstream	Period 2	2007-06-01	0.20
07HR508	Downstream	Period 2	2007-06-01	2.84
07HR509	Downstream	Period 2	2007-06-01	2.40
07HR514	Downstream	Period 2	2007-06-01	1.04
07HR522	Downstream	Period 2	2007-06-01	0.75
07HR527	Downstream	Period 2	2007-06-01	1.26
07HR541	Downstream	Period 2	2007-06-01	1.66
07HR542	Downstream	Period 2	2007-06-01	1.81
07HR547	Downstream	Period 2	2007-06-01	1.60
07HR551	Middle	Period 2	2007-06-01	0.56
07HR552	Downstream	Period 2	2007-06-01	2.08
07HR553	Downstream	Period 2	2007-06-01	1.50
07HR555	Middle	Period 2	2007-06-01	1.19

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07HR563	Downstream	Period 2	2007-06-01	2.45
07HR570	Downstream	Period 2	2007-06-01	0.37
07HR573	Downstream	Period 2	2007-06-01	0.64
07HR575	Downstream	Period 2	2007-06-01	0.00
07HR581	Downstream	Period 2	2007-06-01	1.35
07HR585	Middle	Period 2	2007-06-01	0.00
07HR587	Lower	Period 2	2007-06-01	1.04
07HR592	Downstream	Period 2	2007-06-01	1.10
08HR603	Upper	Period 3	2008-06-01	1.95
08HR607	Downstream	Period 3	2008-06-01	1.61
08HR610	Downstream	Period 3	2008-06-01	1.54
08HR619	Middle	Period 3	2008-06-01	2.17
08HR621	Downstream	Period 3	2008-06-01	1.28
08HR629	Downstream	Period 3	2008-06-01	0.69
08HR634	Downstream	Period 3	2008-06-01	2.35
08HR637	Downstream	Period 3	2008-06-01	1.50
08HR640	Middle	Period 3	2008-06-01	1.95
08HR648	Upper	Period 3	2008-06-01	1.81
08HR649	Downstream	Period 3	2008-06-01	0.00
08HR650	Downstream	Period 3	2008-06-01	1.35
08HR651	Downstream	Period 3	2008-06-01	2.27
08HR652	Downstream	Period 3	2008-06-01	1.58
08HR654	Downstream	Period 3	2008-06-01	0.64
08HR662	Downstream	Period 3	2008-06-01	1.75
08HR664	Downstream	Period 3	2008-06-01	1.92
08HR666	Middle	Period 3	2008-06-01	1.38
08HR680	Downstream	Period 3	2008-06-01	1.55
08HR688	Downstream	Period 3	2008-06-01	1.13
08HR689	Lower	Period 3	2008-06-01	1.26
09HB05	Downstream	Period 3	2009-06-01	1.42
1	Upper	Period 5	2022-06-07	2.48
1	Upper	Period 5	2023-05-24	1.39
1.5	Upper	Period 5	2022-06-07	1.79
1.5	Upper	Period 5	2023-05-24	0.69
2	Middle	Period 5	2022-06-07	1.10
2	Middle	Period 5	2023-05-24	0.00
3	Middle	Period 5	2022-06-07	1.10
3	Middle	Period 5	2023-05-24	1.10
97HR15	Downstream	Period 1	1997-06-01	0.71
97HR23	Downstream	Period 1	1997-06-01	0.60
97HR53	Downstream	Period 1	1997-06-01	1.05
97HR57	Downstream	Period 1	1997-06-01	0.30
98HB006	Downstream	Period 1	1998-06-01	0.17
98HR105	Upper	Period 1	1998-06-01	0.95
98HR16	Downstream	Period 1	1998-06-01	0.53
98HR20	Downstream	Period 1	1998-06-01	1.75
98HR28	Downstream	Period 1	1998-06-01	1.13
98HR44	Lower	Period 1	1998-06-01	1.65
98HRUS41	Downstream	Period 1	1998-06-01	0.60
99HR063	Upper	Period 1	1999-06-01	1.52
99HR089	Downstream	Period 1	1999-06-01	1.81
99HR091	Downstream	Period 1	1999-06-01	1.54
99HR097	Downstream	Period 1	1999-06-01	1.83
99HR101	Downstream	Period 1	1999-06-01	1.89
99HR107	Downstream	Period 1	1999-06-01	1.24
99HR113	Downstream	Period 1	1999-06-01	1.80
99HR116	Downstream	Period 1	1999-06-01	0.60

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99HR134	Downstream	Period 1	1999-06-01	1.05
99HR142	Downstream	Period 1	1999-06-01	1.65
99HR155	Downstream	Period 1	1999-06-01	1.90
99HR157	Downstream	Period 1	1999-06-01	0.35
99HR159	Downstream	Period 1	1999-06-01	2.47
99HR160	Lower	Period 1	1999-06-01	1.28
99HR184	Downstream	Period 1	1999-06-01	1.64
99HR189	Downstream	Period 1	1999-06-01	0.78
99HR191	Downstream	Period 1	1999-06-01	1.41
99HR215	Middle	Period 1	1999-06-01	1.08
HR100109	Downstream	Period 3	2008-03-03	1.97
HR100231	Downstream	Period 2	2006-08-04	2.35
HR100239	Downstream	Period 3	2008-07-16	2.06
HR100263	Downstream	Period 1	2001-01-15	1.32
HR100339	Downstream	Period 1	2001-02-23	0.56
HR100368	Downstream	Period 1	2000-08-16	0.35
HR100438	Downstream	Period 3	2009-03-17	2.48
HR100534	Downstream	Period 2	2002-02-25	2.00
HR100543	Downstream	Period 1	2001-03-07	1.89
HR100643	Downstream	Period 2	2006-07-28	2.77
HR100828	Downstream	Period 2	2007-02-13	2.17
HR100837	Downstream	Period 2	2006-07-28	2.46
HR100948	Downstream	Period 2	2006-03-29	2.17
HR100953	Downstream	Period 2	2005-01-21	0.60
HR101098	Downstream	Period 2	2007-02-13	2.09
HR101132	Downstream	Period 3	2008-03-03	2.85
HR101141	Downstream	Period 2	2007-03-14	0.00
HR101143	Downstream	Period 3	2009-01-13	2.02
HR101166	Downstream	Period 3	2009-02-10	2.50
HR101276	Downstream	Period 3	2008-01-10	2.46
HR101335	Downstream	Period 2	2004-01-19	1.57
HR101335	Downstream	Period 2	2006-01-20	1.97
HR101407	Downstream	Period 1	2001-02-23	0.89
HR101437	Downstream	Period 3	2010-01-12	1.21
HR101497	Downstream	Period 2	2005-02-21	1.99
HR101521	Downstream	Period 1	2001-07-26	1.51
HR101523	Downstream	Period 2	2005-01-21	0.82
HR101536	Downstream	Period 2	2004-01-19	1.74
HR101539	Downstream	Period 3	2009-02-10	2.34
HR101615	Downstream	Period 2	2002-03-26	1.68
HR101619	Downstream	Period 2	2006-01-20	2.00
HR101635	Downstream	Period 3	2008-07-16	1.52
HR101664	Downstream	Period 2	2007-01-05	1.81
HR101698	Downstream	Period 2	2006-08-04	2.33
HR101760	Downstream	Period 2	2007-01-05	1.48
HR101818	Downstream	Period 2	2002-03-26	1.05
HR101845	Downstream	Period 2	2007-07-23	2.05
HR101891	Downstream	Period 1	2001-07-26	1.70
HR101948	Downstream	Period 3	2009-01-13	2.52
HR101963	Downstream	Period 1	2001-01-15	1.64
HR101964	Downstream	Period 3	2009-03-17	1.79
HR102030	Downstream	Period 2	2006-03-29	2.89
HR102042	Downstream	Period 3	2010-01-12	1.66
HR102081	Downstream	Period 3	2008-01-10	1.70
HR102096	Downstream	Period 1	2000-07-30	1.27
HR102132	Downstream	Period 2	2007-07-23	1.51
HR102149	Downstream	Period 2	2002-02-25	1.56

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HR102330	Downstream	Period 1	2001-03-07	0.80
HR102489	Downstream	Period 1	2000-07-30	1.56
HR202557	Downstream	Period 1	2001-01-15	1.31
HR202634	Downstream	Period 3	2009-02-10	2.43
HR202667	Downstream	Period 2	2007-03-14	1.49
HR202701	Downstream	Period 2	2006-03-29	1.79
HR202723	Downstream	Period 2	2006-03-29	1.40
HR202726	Downstream	Period 3	2009-03-16	2.25
HR202792	Downstream	Period 3	2009-02-10	2.20
HR202803	Downstream	Period 1	2000-07-30	2.44
HR202854	Downstream	Period 3	2009-01-13	2.64
HR202872	Downstream	Period 2	2004-01-19	1.33
HR202876	Downstream	Period 2	2004-01-19	1.23
HR202915	Downstream	Period 2	2007-03-14	2.06
HR202917	Downstream	Period 2	2002-03-28	1.72
HR202919	Downstream	Period 2	2006-07-28	0.60
HR202999	Downstream	Period 2	2005-02-21	1.63
HR203021	Downstream	Period 1	2001-01-15	1.14
HR203058	Downstream	Period 1	2000-07-30	1.10
HR203235	Downstream	Period 2	2007-01-05	1.79
HR203355	Downstream	Period 2	2007-01-05	1.61
HR203424	Downstream	Period 2	2007-07-23	1.07
HR203428	Downstream	Period 2	2006-01-20	0.82
HR203432	Downstream	Period 3	2010-01-12	1.67
HR203493	Downstream	Period 1	2001-02-23	1.48
HR203575	Downstream	Period 3	2008-03-03	1.86
HR203899	Downstream	Period 1	2001-03-07	0.22
HR203925	Downstream	Period 2	2002-02-25	1.23
HR203978	Downstream	Period 3	2010-01-12	1.99
HR204014	Downstream	Period 3	2008-07-16	2.34
HR204032	Downstream	Period 1	2001-07-26	2.21
HR204207	Downstream	Period 3	2008-03-03	2.12
HR204277	Downstream	Period 2	2007-02-13	1.64
HR204299	Downstream	Period 2	2005-01-21	0.34
HR204311	Downstream	Period 1	2000-08-16	1.51
HR204314	Downstream	Period 2	2007-02-13	1.13
HR204334	Downstream	Period 1	2001-02-23	1.32
HR204389	Downstream	Period 2	2002-03-28	0.79
HR204405	Downstream	Period 2	2005-01-21	1.11
HR204433	Downstream	Period 1	2001-07-26	2.00
HR204438	Downstream	Period 3	2008-01-10	2.04
HR204441	Downstream	Period 3	2009-03-17	2.00
HR204575	Downstream	Period 2	2006-01-20	1.39
HR204603	Downstream	Period 2	2006-08-04	0.00
HR204705	Downstream	Period 2	2002-02-25	0.59
HR204748	Downstream	Period 1	2000-08-16	0.41
HR204782	Downstream	Period 3	2009-01-13	1.98
HR204795	Downstream	Period 2	2005-02-21	1.22
HR204801	Downstream	Period 3	2008-07-16	0.77
HR204848	Downstream	Period 2	2007-07-23	1.55
HR204900	Downstream	Period 1	2001-03-07	1.16
HR204902	Downstream	Period 3	2008-01-10	1.16
HR204924	Downstream	Period 2	2006-07-28	0.92
HR204953	Downstream	Period 2	2006-08-04	1.39
HR305182	Downstream	Period 1	2001-03-07	0.32
HR305318	Downstream	Period 2	2006-03-29	1.28
HR305356	Downstream	Period 2	2007-03-14	0.00

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HR305441	Downstream	Period 1	2001-03-07	1.30
HR305441	Downstream	Period 3	2009-03-16	1.40
HR305510	Downstream	Period 2	2006-07-28	0.00
HR305525	Downstream	Period 2	2002-03-28	0.44
HR305568	Downstream	Period 1	2001-07-26	2.46
HR305568	Downstream	Period 2	2005-01-21	0.95
HR305601	Downstream	Period 3	2010-01-12	1.57
HR305616	Downstream	Period 3	2008-03-03	1.98
HR305691	Downstream	Period 2	2006-01-20	1.05
HR305738	Downstream	Period 2	2007-02-13	0.83
HR305738	Downstream	Period 3	2009-02-10	1.89
HR305795	Downstream	Period 3	2009-02-10	1.23
HR305816	Downstream	Period 2	2004-01-19	0.94
HR305818	Downstream	Period 3	2008-01-10	1.90
HR305882	Downstream	Period 2	2007-07-23	1.68
HR306013	Downstream	Period 2	2005-02-21	1.32
HR306030	Downstream	Period 2	2002-02-25	1.30
HR306047	Downstream	Period 3	2008-07-16	2.01
HR306168	Downstream	Period 2	2007-07-23	2.10
HR306204	Downstream	Period 3	2009-01-13	2.02
HR306335	Downstream	Period 2	2006-08-04	1.10
HR306354	Downstream	Period 2	2006-01-20	0.82
HR306389	Downstream	Period 2	2007-01-05	1.19
HR306393	Downstream	Period 1	2001-02-23	1.96
HR306406	Downstream	Period 1	2000-08-16	0.00
HR306638	Downstream	Period 3	2008-07-16	1.20
HR306675	Downstream	Period 2	2002-03-28	0.71
HR306700	Downstream	Period 2	2002-02-25	1.26
HR306701	Downstream	Period 2	2007-02-13	0.86
HR306753	Downstream	Period 3	2008-01-10	1.98
HR306781	Downstream	Period 2	2005-01-21	1.32
HR306821	Downstream	Period 1	2001-02-23	0.74
HR306837	Downstream	Period 3	2009-03-16	1.95
HR306842	Downstream	Period 2	2006-08-04	2.26
HR306862	Downstream	Period 1	2001-01-15	0.67
HR307012	Downstream	Period 3	2008-03-03	0.63
HR307226	Downstream	Period 3	2009-01-13	1.00
HR307243	Downstream	Period 2	2005-02-21	0.76
HR307250	Downstream	Period 2	2006-03-29	1.69
HR307396	Downstream	Period 2	2006-07-28	0.00
HR307400	Downstream	Period 3	2010-01-12	0.52
HR307411	Downstream	Period 1	2001-01-15	0.58
HR307417	Downstream	Period 2	2007-03-14	0.71
HR307467	Downstream	Period 2	2004-01-19	1.32
HR307569	Downstream	Period 2	2007-01-05	0.79
HR407697	Downstream	Period 2	2004-01-19	0.76
HR407714	Downstream	Period 2	2002-03-28	0.25
HR407728	Downstream	Period 2	2005-01-21	0.45
HR407752	Downstream	Period 2	2002-02-25	1.43
HR407765	Downstream	Period 1	2000-07-30	0.96
HR407823	Downstream	Period 2	2006-07-28	0.27
HR407893	Downstream	Period 3	2008-07-16	0.59
HR407978	Downstream	Period 2	2006-03-31	0.86
HR408006	Downstream	Period 1	2001-03-07	0.95
HR408016	Downstream	Period 2	2007-07-23	0.41
HR408065	Downstream	Period 3	2008-01-10	1.34
HR408101	Downstream	Period 3	2009-02-10	1.21

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HR408158	Downstream	Period 2	2006-08-04	1.68
HR408159	Downstream	Period 3	2009-02-10	0.67
HR408178	Downstream	Period 3	2009-03-16	1.67
HR408194	Downstream	Period 3	2009-01-13	1.47
HR408287	Downstream	Period 2	2007-01-05	0.29
HR408349	Downstream	Period 1	2001-02-23	0.83
HR408471	Downstream	Period 2	2007-03-14	1.00
HR408568	Downstream	Period 3	2009-01-13	0.52
HR408573	Downstream	Period 1	2001-03-07	1.30
HR408667	Downstream	Period 2	2007-02-13	1.09
HR408667	Downstream	Period 3	2010-01-12	1.31
HR408693	Downstream	Period 1	2001-02-23	0.98
HR408785	Downstream	Period 3	2008-03-03	0.61
HR408981	Downstream	Period 1	2001-01-15	0.30
HR409013	Downstream	Period 2	2005-01-21	1.31
HR409086	Downstream	Period 2	2002-02-25	0.94
HR409087	Downstream	Period 3	2008-01-10	2.07
HR409141	Downstream	Period 2	2007-01-05	1.23
HR409175	Downstream	Period 2	2007-07-23	1.60
HR409184	Downstream	Period 2	2005-02-21	0.96
HR409371	Downstream	Period 2	2005-02-21	0.64
HR409376	Downstream	Period 3	2010-01-12	1.82
HR409377	Downstream	Period 1	2001-07-26	0.17
HR409497	Downstream	Period 2	2006-01-20	1.52
HR409528	Downstream	Period 2	2007-02-13	0.90
HR409574	Downstream	Period 3	2009-03-16	0.59
HR409678	Downstream	Period 2	2002-03-28	1.26
HR409720	Downstream	Period 3	2008-03-03	0.89
HR409720	Downstream	Period 3	2008-07-16	1.05
HR409959	Downstream	Period 1	2001-01-15	0.00
HR409990	Downstream	Period 2	2006-08-04	0.00
HR410020	Downstream	Period 2	2007-03-14	1.17
HR410083	Downstream	Period 2	2006-01-20	1.84
HR410088	Downstream	Period 2	2006-03-31	1.53
HR510277	Downstream	Period 2	2005-02-21	0.46
HR510285	Downstream	Period 2	2007-01-05	1.08
HR510304	Downstream	Period 2	2004-01-19	1.30
HR510373	Downstream	Period 2	2006-03-31	1.50
HR510390	Downstream	Period 2	2007-03-14	0.75
HR510397	Downstream	Period 2	2005-02-21	0.50
HR510438	Downstream	Period 2	2007-07-23	1.96
HR510455	Downstream	Period 3	2009-02-10	0.77
HR510461	Downstream	Period 3	2009-01-14	1.49
HR510462	Downstream	Period 3	2008-01-10	1.73
HR510475	Downstream	Period 3	2009-03-16	2.14
HR510583	Lower	Period 2	2007-07-23	1.71
HR510595	Lower	Period 3	2010-01-12	1.84
HR510646	Lower	Period 2	2007-03-14	1.07
HR510748	Lower	Period 2	2007-02-13	0.86
HR510790	Lower	Period 2	2004-01-19	0.80
HR510854	Lower	Period 2	2007-01-05	0.55
HR510863	Lower	Period 2	2006-08-04	0.84
HR510868	Lower	Period 2	2005-01-21	0.45
HR510898	Lower	Period 1	2001-01-15	0.41
HR511034	Lower	Period 1	2001-02-23	0.23
HR511051	Lower	Period 3	2008-07-16	0.00
HR511173	Lower	Period 1	2001-07-26	0.76

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HR511246	Lower	Period 2	2005-01-21	1.47
HR511299	Lower	Period 2	2006-01-20	0.55
HR511354	Lower	Period 3	2008-01-10	0.98
HR511372	Lower	Period 1	2001-03-07	0.30
HR511410	Lower	Period 3	2009-03-16	0.63
HR511425	Lower	Period 3	2008-03-03	1.74
HR511523	Lower	Period 1	2000-07-30	0.00
HR511540	Lower	Period 2	2002-02-25	0.76
HR511604	Lower	Period 2	2006-03-31	1.81
HR511734	Lower	Period 2	2007-02-13	0.71
HR511857	Lower	Period 3	2009-01-14	0.52
HR511986	Lower	Period 3	2008-07-16	1.21
HR512010	Lower	Period 2	2006-01-20	1.30
HR512016	Lower	Period 3	2008-03-03	1.93
HR512060	Lower	Period 2	2002-03-28	1.03
HR512315	Lower	Period 3	2010-01-12	0.71
HR512325	Lower	Period 3	2009-02-10	0.00
HR512345	Lower	Period 2	2002-02-25	0.29
HR512512	Lower	Period 1	2001-03-07	0.76
HR512589	Middle	Period 1	2001-01-15	0.00
HR612788	Middle	Period 3	2009-02-10	2.08
HR612813	Middle	Period 3	2010-01-12	1.78
HR612825	Middle	Period 3	2008-03-03	1.18
HR612833	Middle	Period 2	2002-03-28	0.79
HR612944	Middle	Period 1	2001-07-26	0.00
HR612971	Middle	Period 2	2006-01-20	1.17
HR612984	Middle	Period 2	2007-07-23	0.30
HR613002	Middle	Period 3	2008-01-10	0.66
HR613205	Middle	Period 3	2009-01-14	0.26
HR613247	Middle	Period 2	2007-01-05	1.67
HR613252	Middle	Period 2	2002-03-28	0.83
HR613322	Middle	Period 3	2008-01-10	0.90
HR613350	Middle	Period 2	2002-02-25	1.20
HR613358	Middle	Period 3	2009-03-16	0.90
HR613359	Middle	Period 2	2006-07-28	1.73
HR613385	Middle	Period 2	2002-02-25	0.76
HR613402	Middle	Period 2	2007-01-05	0.90
HR613412	Middle	Period 2	2006-08-04	0.56
HR613433	Middle	Period 2	2006-08-04	1.29
HR613632	Middle	Period 2	2007-02-13	1.06
HR613668	Middle	Period 1	2001-01-15	0.45
HR613712	Middle	Period 2	2007-02-13	1.34
HR613719	Middle	Period 3	2009-01-14	0.61
HR613849	Middle	Period 1	2000-08-16	0.00
HR614172	Middle	Period 2	2006-07-28	1.45
HR614193	Middle	Period 2	2007-03-14	0.87
HR614528	Upper	Period 3	2009-02-10	2.13
HR614597	Upper	Period 2	2007-03-14	1.45
HR614626	Upper	Period 2	2005-02-21	1.52
HR614720	Upper	Period 3	2008-07-16	2.30
HR614880	Upper	Period 1	2000-07-30	0.97
HR614886	Upper	Period 2	2005-01-21	0.58
HR614992	Upper	Period 1	2001-02-23	1.17
HR614994	Upper	Period 2	2006-03-31	1.94
HR615134	Upper	Period 2	2006-03-31	1.72
HR615215	Upper	Period 2	2004-01-19	1.45
HR615288	Upper	Period 2	2005-02-21	0.81

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HR615303	Upper	Period 3	2008-03-03	1.79
HR615330	Upper	Period 2	2004-01-19	1.12
HR615336	Upper	Period 3	2009-03-16	1.76
HR615397	Upper	Period 2	2006-01-20	2.50
HR615598	Upper	Period 3	2008-07-16	1.85
HR615745	Upper	Period 2	2007-07-23	0.92
HR616062	Upper	Period 2	2005-01-21	1.95
Lower A	Lower	Period 5	2018-04-10	2.05
Lower A	Lower	Period 5	2018-05-09	2.13
Lower A	Lower	Period 5	2020-05-17	1.08
Lower A	Lower	Period 5	2021-05-23	1.66
Lower A	Lower	Period 5	2022-03-27	1.43
Lower A	Lower	Period 5	2023-04-06	1.91
Lower A	Lower	Period 5	2023-06-01	1.74
Lower A	Lower	Period 5	2023-12-13	1.83
Lower B	Lower	Period 5	2018-04-10	1.09
Lower B	Lower	Period 5	2018-05-09	1.09
Lower B	Lower	Period 5	2020-05-17	1.09
Lower B	Lower	Period 5	2021-05-23	0.75
Lower B	Lower	Period 5	2022-03-27	1.39
Lower B	Lower	Period 5	2023-04-06	0.36
Lower B	Lower	Period 5	2023-12-13	1.06
Middle A	Middle	Period 5	2018-04-10	0.69
Middle A	Middle	Period 5	2018-05-09	0.00
Middle A	Middle	Period 5	2020-05-17	1.46
Middle A	Middle	Period 5	2021-05-23	1.45
Middle A	Middle	Period 5	2022-03-27	1.00
Middle A	Middle	Period 5	2023-04-06	1.68
Middle A	Middle	Period 5	2023-06-01	1.14
Middle A	Middle	Period 5	2023-12-13	1.02
Middle B	Middle	Period 5	2018-04-10	0.94
Middle B	Middle	Period 5	2018-05-09	2.10
Middle B	Middle	Period 5	2020-05-17	0.86
Middle B	Middle	Period 5	2021-05-23	1.41
Middle B	Middle	Period 5	2022-03-27	1.57
Middle B	Middle	Period 5	2023-04-06	1.73
Middle B	Middle	Period 5	2023-06-01	1.01
Middle B	Middle	Period 5	2023-12-13	1.81
Middle C	Middle	Period 5	2022-03-27	1.36
Middle C	Middle	Period 5	2023-04-06	1.33
Middle C	Middle	Period 5	2023-06-01	1.36
Middle C	Middle	Period 5	2023-12-13	0.95
Middle D	Middle	Period 5	2022-03-27	1.85
Middle D	Middle	Period 5	2023-04-06	1.59
Middle D	Middle	Period 5	2023-06-01	1.51
Middle D	Middle	Period 5	2023-12-13	1.78
TP482HILLS_HDUpper		Period 2	2007-01-17	2.49
TP482HILLS_SCIUpper		Period 2	2007-01-17	1.49
Upper A	Upper	Period 5	2018-04-10	1.76
Upper A	Upper	Period 5	2018-05-09	1.96
Upper A	Upper	Period 5	2020-05-17	2.06
Upper A	Upper	Period 5	2021-05-23	1.58
Upper A	Upper	Period 5	2022-03-27	2.60
Upper A	Upper	Period 5	2023-04-06	2.32
Upper A	Upper	Period 5	2023-06-01	1.21
Upper A	Upper	Period 5	2023-12-13	1.04
Upper B	Upper	Period 5	2018-04-10	2.19

Upper B	Upper	Period 5	2018-05-09	2.29
Upper B	Upper	Period 5	2020-05-17	1.42
Upper B	Upper	Period 5	2021-05-23	1.66
Upper B	Upper	Period 5	2022-03-27	2.33
Upper B	Upper	Period 5	2023-04-06	1.97
Upper B	Upper	Period 5	2023-06-01	1.46
Upper B	Upper	Period 5	2023-12-13	1.59
Upper C	Upper	Period 5	2022-03-27	1.86
Upper C	Upper	Period 5	2023-04-06	1.52
Upper C	Upper	Period 5	2023-06-01	1.48
Upper C	Upper	Period 5	2023-12-13	1.71
Upper D	Upper	Period 5	2022-03-27	1.56
Upper D	Upper	Period 5	2023-04-06	1.60
Upper D	Upper	Period 5	2023-06-01	0.00
Upper D	Upper	Period 5	2023-12-13	1.78

4.3.1.2 Diversity by segment

River SegmentShan_div	
Upper	3.2
Middle	2.7
Lower	2.7
Downstream	3.6

4.3.1.3 Diversity by period

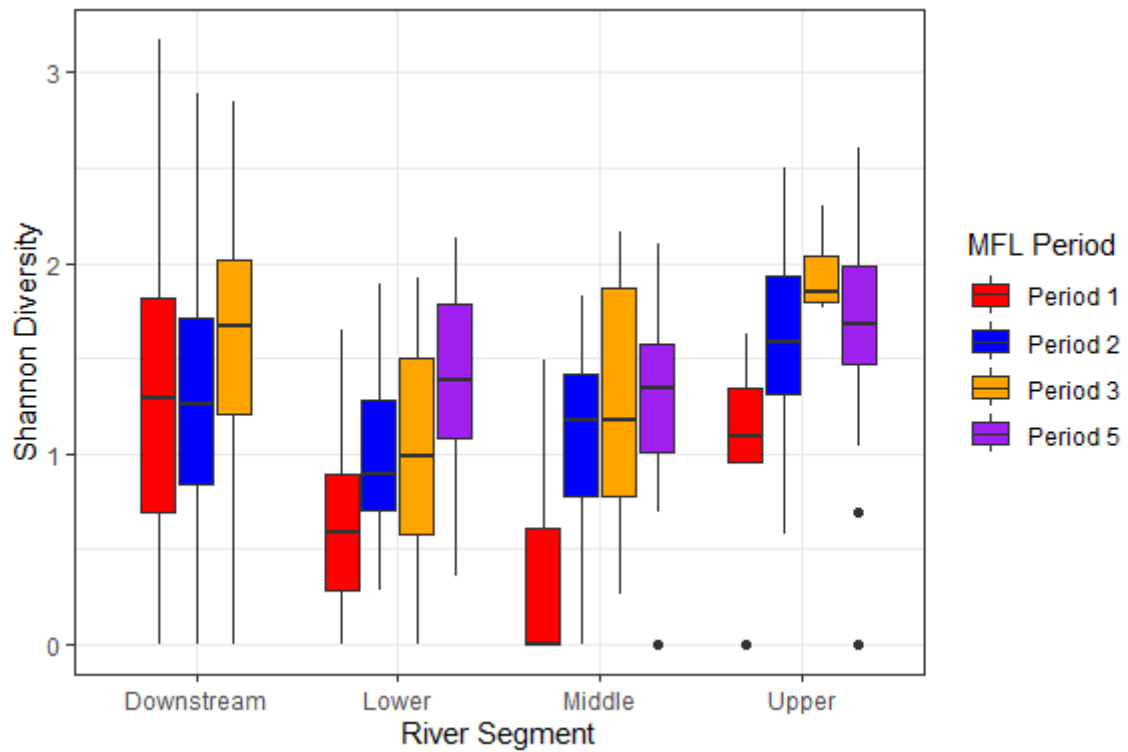
MFL PeriodShan_div	
Period 1	3.3
Period 2	3.5
Period 3	3.3
Period 5	3.0

4.3.1.4 Diversity by segment and period

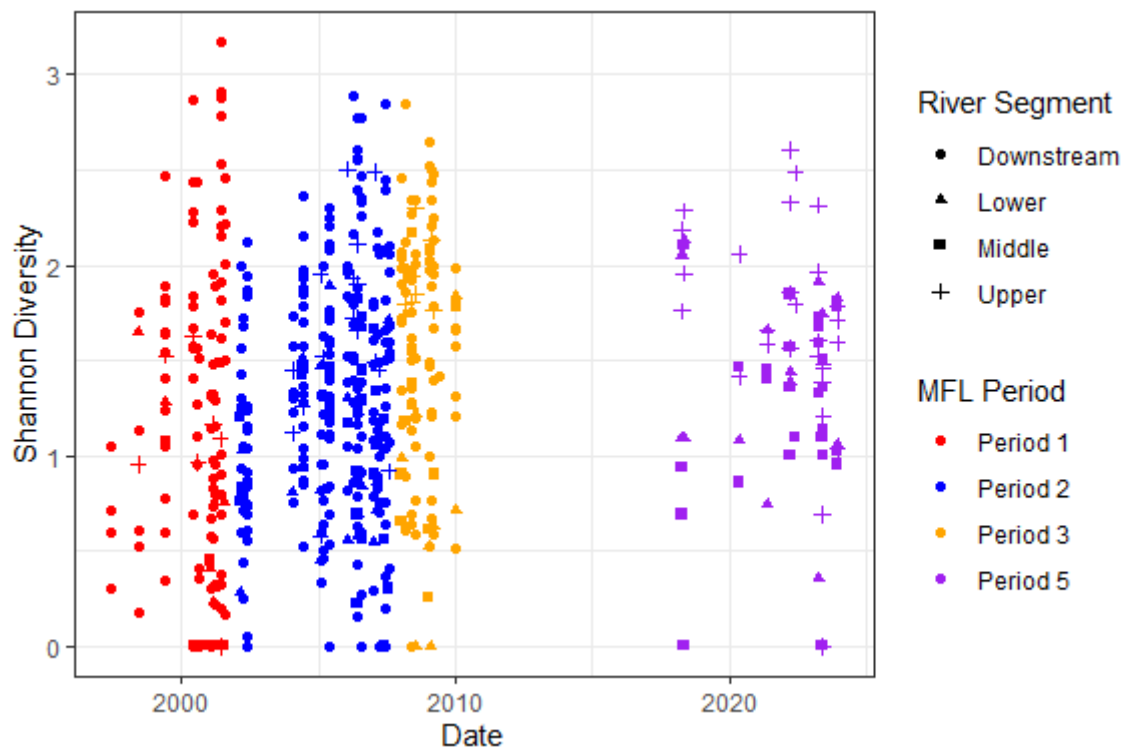
River SegmentMFL PeriodShan_div		
Upper	Period 1	2.3
Upper	Period 2	2.8
Upper	Period 3	2.6
Upper	Period 5	3.0
Middle	Period 1	1.6
Middle	Period 2	2.4
Middle	Period 3	2.3
Middle	Period 5	2.5
Lower	Period 1	1.8
Lower	Period 2	2.5
Lower	Period 3	2.0
Lower	Period 5	2.3
Downstream	Period 1	3.2
Downstream	Period 2	3.4
Downstream	Period 3	3.1

4.3.2 FIGURES

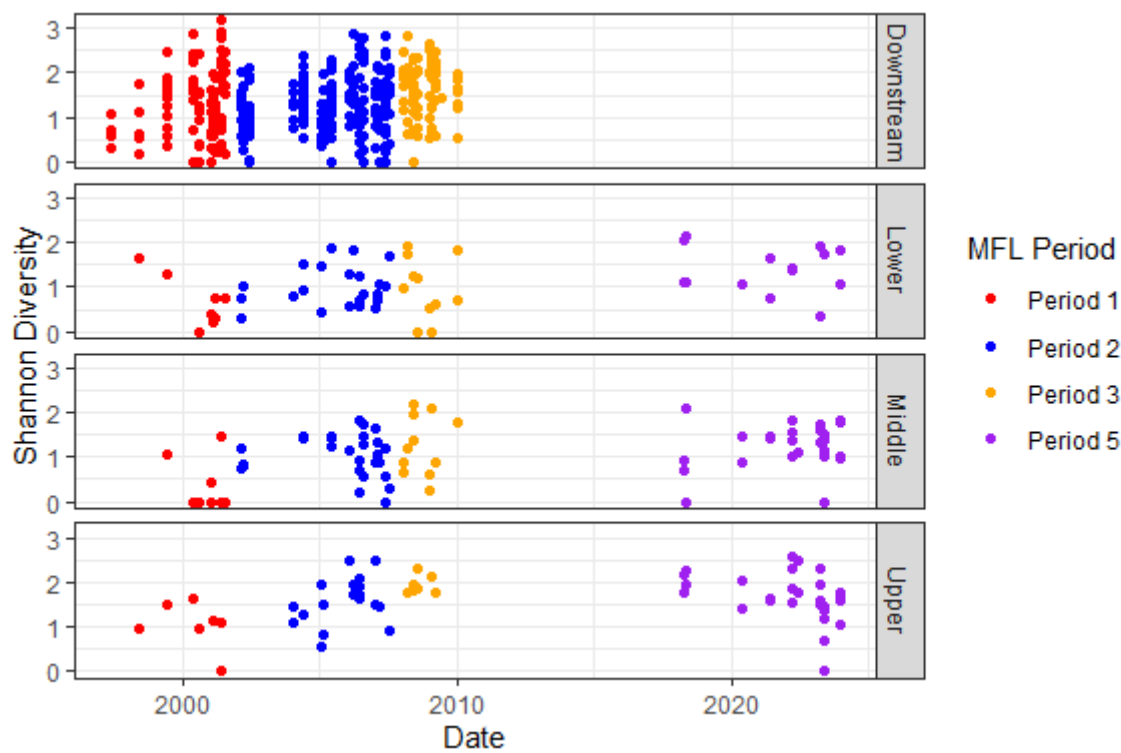
4.3.2.1 Boxplot of site level shannon diversity by MFL period and river segment



4.3.2.2 site level shannon diversity over time



4.3.2.3 Site level shannon diversity over time by MFL period and river segment



4.4 RICHNESS

4.4.1 TABLES

4.4.1.1 The total number of taxa (richness) of organisms found in the entire data set.

$\frac{x}{516}$

4.4.1.2 Richness across MFL periods by river segment.

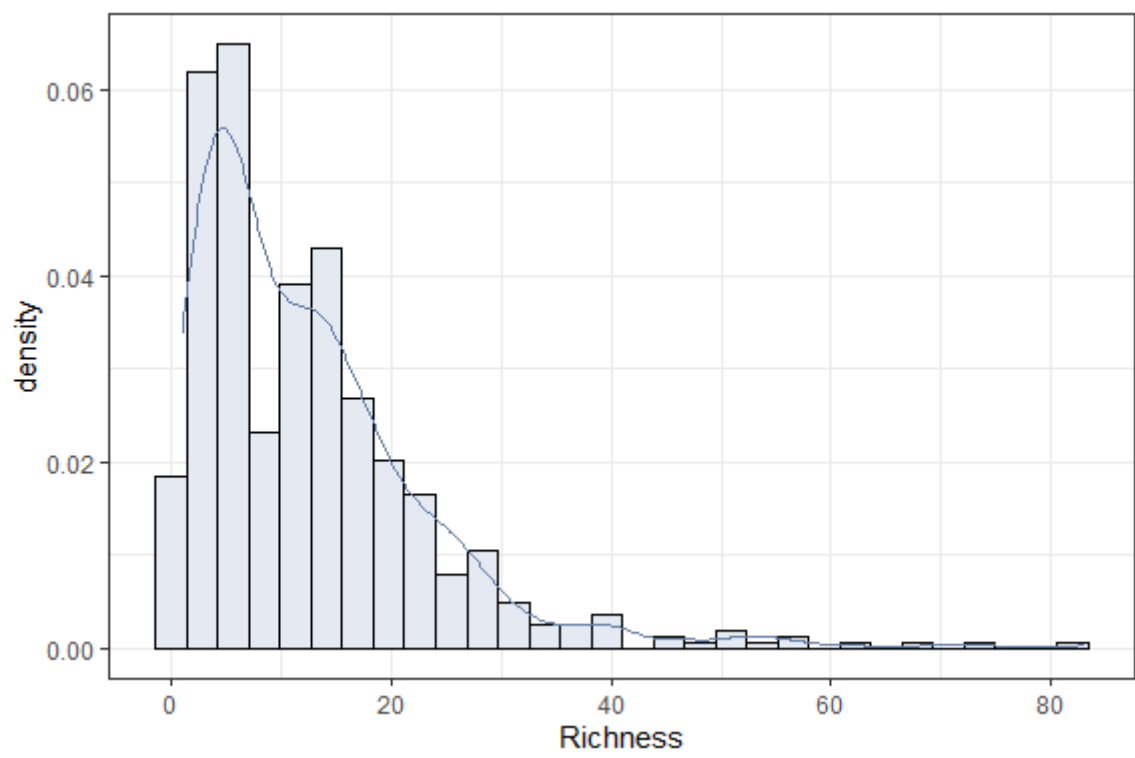
River Segment	Period 1	Period 2	Period 3	Period 5	Segment Richness
Upper	31	97	81	90	184
Middle	16	74	55	55	125
Lower	21	70	36	55	114
Downstream	241	306	173	NA	398

4.4.1.3 Richness across river segments by MFL period.

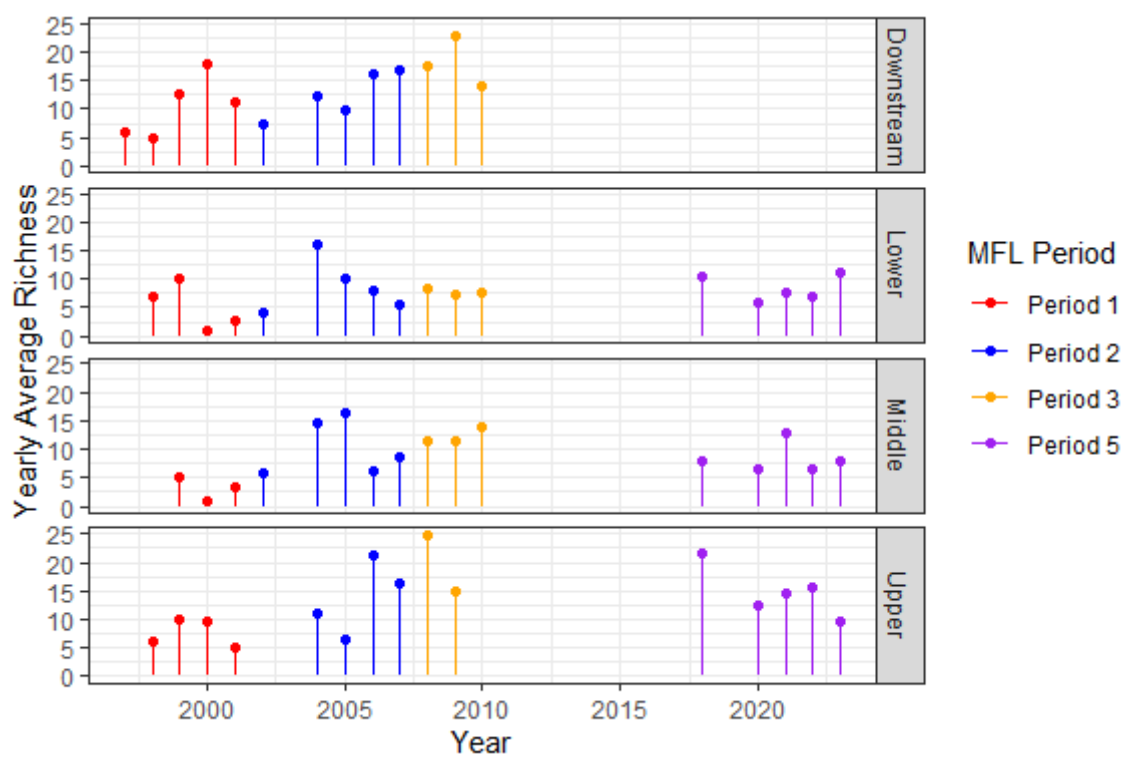
MFL Period	Upper	Middle	Lower	Downstream	Period Richness
Period 1	31	16	21	241	253
Period 2	97	74	70	306	365
Period 3	81	55	36	173	233
Period 5	90	55	55	NA	125

4.4.2 FIGURES

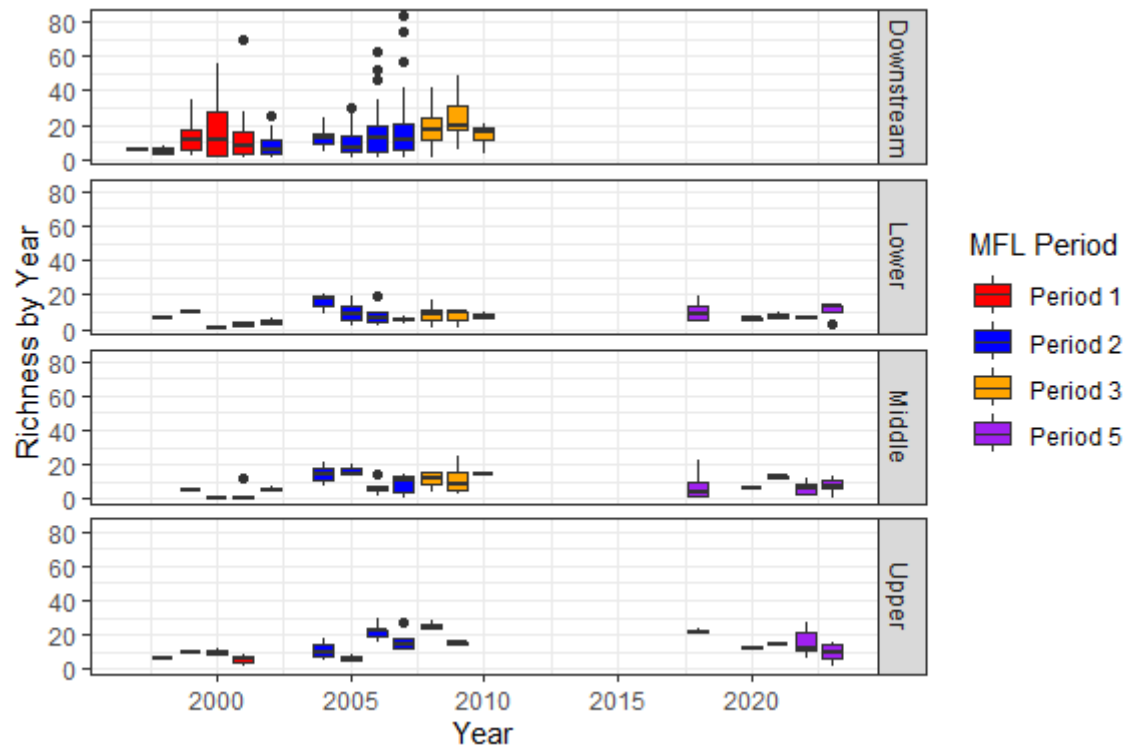
4.4.2.1 Histogram of species richness



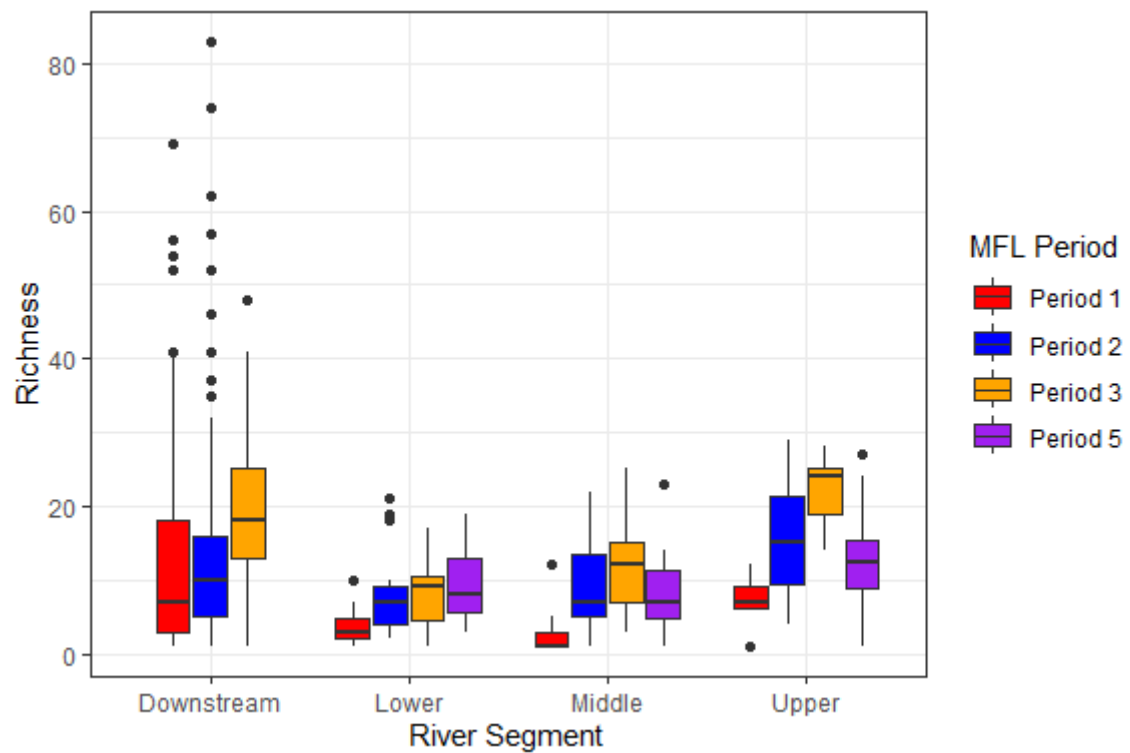
4.4.2.2 Average richness over time, grouped by year of samplin, by MFL period and river segment.



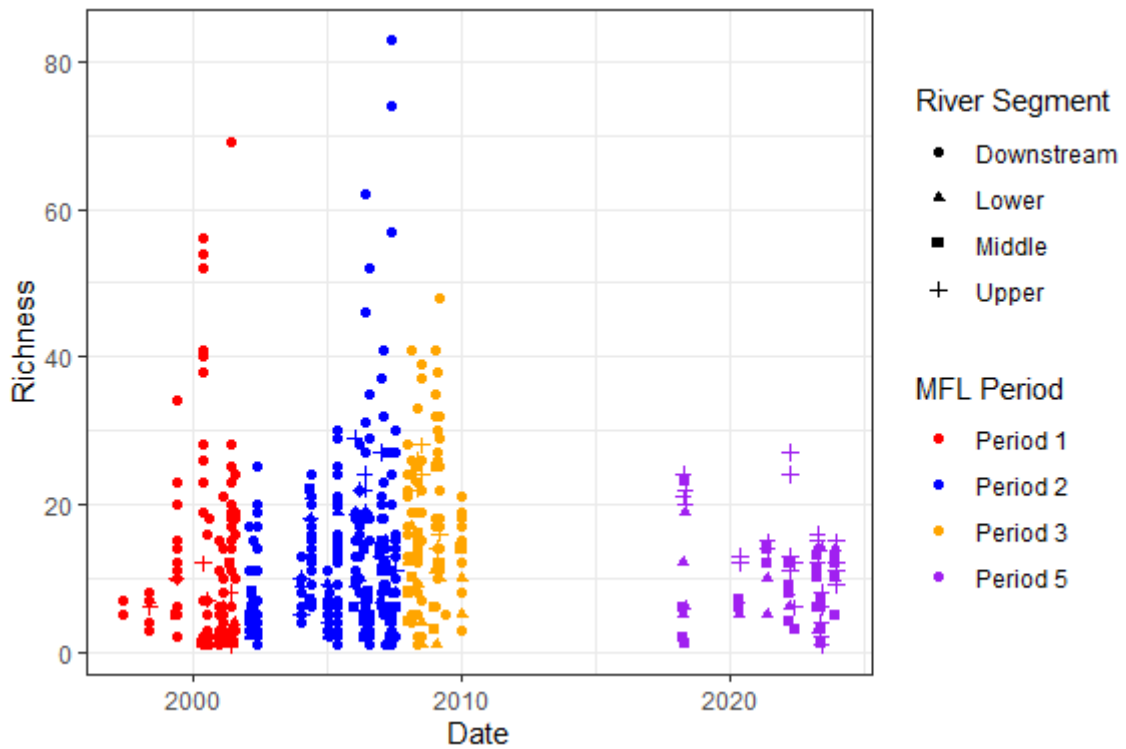
4.4.2.3 Boxplots of richness, grouped by year, by MFL period and river segment.



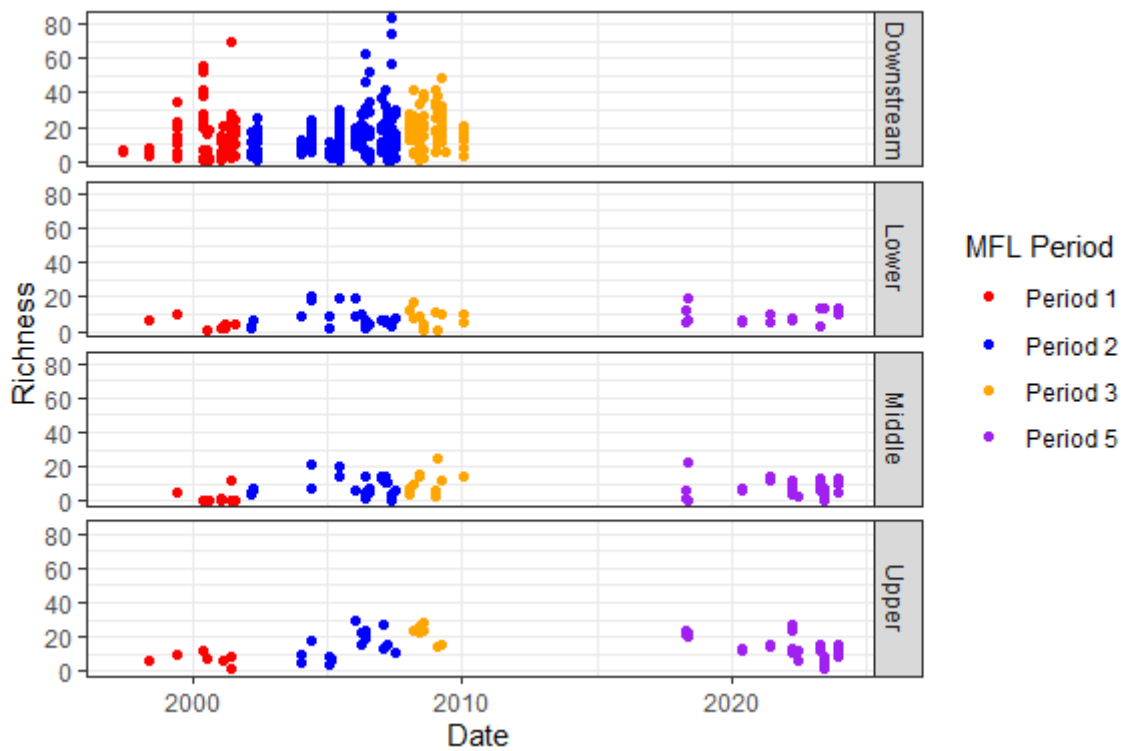
4.4.2.4 Boxplot of site level richness by MFL period and river segment.



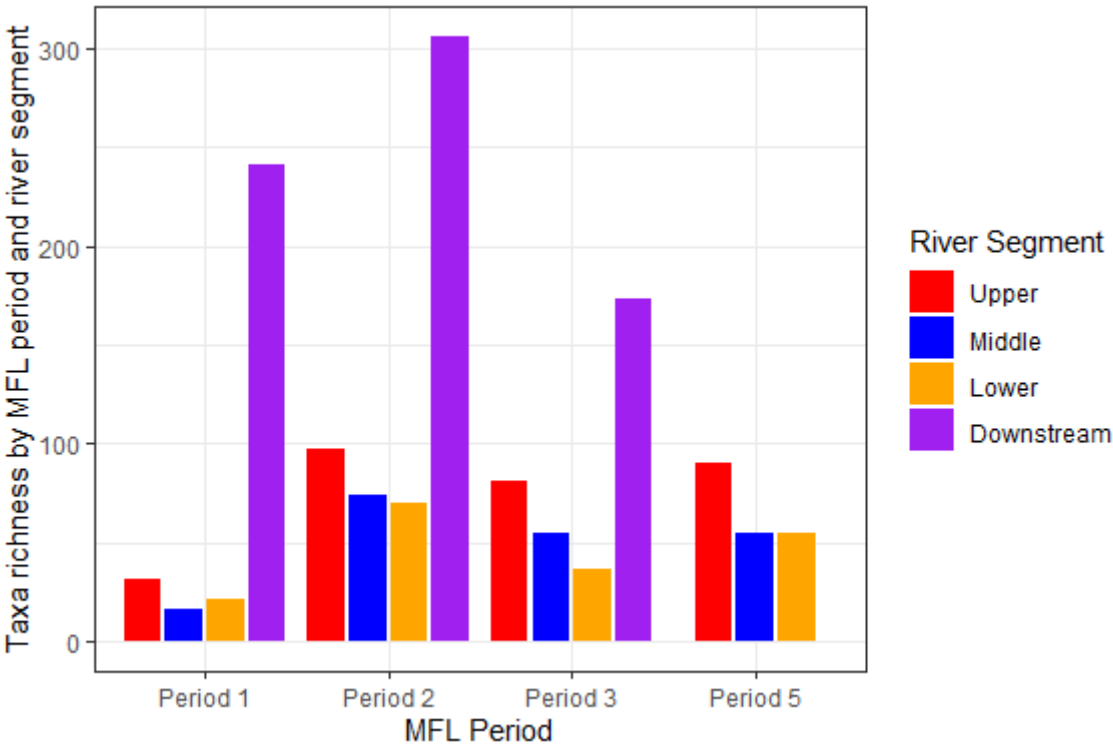
4.4.2.5 site level richness over time



4.4.2.6 Site level richness over time by MFL period and river segment



4.4.2.7 Taxa richness by MFL period and river segment



5 NEKTON

5.1 ABUNDANCE

5.1.1 TABLES

5.1.1.1 Total abundance of the data set.

Total Abundance
1114108

5.1.1.2 Total abundance of each taxon, and MFL period:River segment abundance, sorted by most abundant.

Final Taxa	Total Abun	Period 1 Upper	Period 1 Middle	Period 1 Lower	Period 1 Downstream	Period 2 Upper	Period 2 Middle	Period 2 Lower	Period 2 Downstream	Period 3 Upper	Period 3 Middle	Period 3 Lower	Period 3 Downstream	Period 4 Upper	Period 4 Middle	Period 4 Lower	Period 4 Downstream	Period 5 Upper	Period 5 Middle	Period 5 Lower
Anchoa mitchilli	565607	431	57	11383	120050	6	1806	1847	224300	14	7110	6444	154787	21	807	1	35725	43	206	569
Menidia sp.	252950	1524	30681	15815	33778	3283	13689	23015	105977	539	191	2445	17530	481	1	779	3222	0	0	0
Palaemonetes pugio	68354	3205	11060	7521	21177	186	1131	2897	10020	58	167	2779	7575	0	13	107	456	0	0	2
Menidia beryllina	40178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3582	3242	33354
Brevoortia sp.	30376	162	19658	1759	4243	0	410	178	1958	1	49	649	1258	0	0	0	49	0	1	1
Gambusia holbrooki	16952	2683	4306	351	219	1196	1919	875	630	712	1247	1371	470	13	2	147	13	358	269	171
Mugil cephalus	16114	0	10	80	2838	0	1	440	4509	0	4	271	7419	0	0	2	107	1	9	423
Lucania parva	15600	1861	835	726	1013	2384	377	802	2680	752	666	1264	1621	19	22	15	28	108	3	424
Eucinostomus sp.	13785	0	5	42	163	0	53	70	1760	3	103	506	10473	0	0	3	604	0	0	0
Leiostomus xanthurus	11328	2	168	573	8208	7	16	66	262	0	3	23	1764	0	0	3	164	0	3	66
Eucinostomus harengulus	10383	0	14	23	632	19	75	63	3165	8	59	274	4719	0	0	21	263	151	77	820
Microgobius gulosus	9755	47	45	152	1359	51	189	209	6925	0	7	9	323	0	20	7	85	0	19	308
Anchoa hepsetus	7723	3	0	1	3695	0	1	39	559	0	0	0	3172	0	0	0	253	0	0	0
Cyprinodon variegatus	7354	8	9	108	897	336	306	871	3231	8	38	323	1179	0	0	2	38	0	0	0
Poecilia latipinna	6298	447	2170	301	676	130	78	504	878	9	13	316	730	0	0	7	21	1	1	16
Trinectes maculatus	5263	69	106	205	687	104	150	205	1162	61	56	144	1645	17	16	106	187	71	220	52
Lagodon rhomboides	5088	0	0	5	3020	0	0	2	334	1	2	11	1705	0	0	0	8	0	0	0
Fundulus grandis	3047	1	28	180	919	10	14	155	1192	0	0	48	412	0	0	3	39	0	0	46
Opisthonema oglinum	2613	0	0	0	0	0	0	0	2595	0	0	0	18	0	0	0	0	0	0	0
Harengula jaguana	2558	0	0	0	0	0	1	0	994	0	0	0	1563	0	0	0	0	0	0	0
Gobiosoma bosc	2379	31	4	64	305	16	71	135	1162	3	3	16	400	0	4	16	43	11	48	47
Fundulus similis	1875	0	0	1	695	0	0	0	899	0	0	1	276	0	0	0	3	0	0	0
Callinectes sapidus	1664	0	1	32	280	0	4	6	489	0	1	1	763	0	2	3	73	2	3	4
Gobiosoma sp.	1337	48	1	10	289	9	19	25	715	0	6	20	99	1	0	20	75	0	0	0
Cynoscion arenarius	1270	0	4	22	302	1	0	2	378	0	0	0	553	0	0	0	8	0	0	0
Eucinostomus gula	1244	0	0	1	288	0	0	0	239	0	0	0	310	0	0	0	406	0	0	0
Tilapia sp.	935	76	173	46	0	233	221	78	54	0	18	35	1	0	0	0	0	0	0	0
Palaemonetes sp.	808	0	0	23	779	0	0	0	5	0	0	0	0	0	0	1	0	0	0	0
Sciaenops ocellatus	789	0	11	1	354	0	0	1	158	0	0	4	244	0	0	0	7	0	0	9
Farfantepenaeus duorarum	782	0	0	0	109	0	0	0	131	0	0	0	535	0	0	0	7	0	0	0
Oligoplites saurus	675	1	1	7	136	1	1	3	289	0	0	0	185	0	0	0	48	0	1	2

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Palaemonetes intermedius	661	0	0	0	222	0	0	0	342	0	0	0	81	0	0	0	16	0	0	0
Membras martinica	615	0	0	0	430	0	0	0	10	0	0	0	159	0	0	0	16	0	0	0
Opsanus beta	594	0	0	0	82	0	0	0	206	0	0	0	295	0	0	0	11	0	0	0
Fundulus seminolis	588	0	0	0	0	133	21	5	1	86	64	37	15	3	0	2	0	115	48	58
Bairdiella chrysoura	518	0	0	0	67	0	0	0	53	0	0	0	301	0	0	0	97	0	0	0
Menticirrhus americanus	516	0	0	1	90	0	0	0	159	0	0	0	259	0	0	0	7	0	0	0
Elops saurus	497	20	13	35	14	4	27	48	220	0	0	15	76	0	0	0	1	0	0	24
Eugerres plumieri	494	0	25	53	40	1	10	14	80	0	34	33	100	0	0	27	51	0	2	24
Lepomis macrochirus	445	5	1	0	0	99	18	4	5	9	35	6	3	142	0	33	6	65	14	0
Micropterus salmoides	363	0	0	0	0	97	17	7	10	32	19	16	10	15	0	0	0	71	44	25
Labidesthes sicculus	324	0	0	0	0	127	31	1	0	31	127	4	1	0	0	2	0	0	0	0
Mugil curema	191	0	0	0	0	0	0	0	19	0	0	0	59	0	0	0	0	0	1	112
Archosargus probatocephalus	184	3	1	11	44	1	0	4	22	0	0	1	75	0	0	1	21	0	0	0
Ariopsis felis	178	0	0	0	20	0	0	0	31	0	0	0	113	0	0	0	14	0	0	0
Syngnathus scovelli	168	0	0	2	36	0	1	2	95	0	0	3	26	0	0	0	2	0	0	1
Chaetodipterus faber	162	0	0	0	23	0	0	0	71	0	0	0	64	0	0	0	4	0	0	0
Lucania goodei	151	1	0	0	0	4	0	14	3	0	2	5	3	1	0	0	0	102	0	16
Lepomis microlophus	150	0	2	0	0	43	20	1	0	3	13	1	0	21	0	26	0	16	2	2
Syngnathus louisianae	143	0	0	0	18	1	0	0	58	0	0	0	59	0	0	0	7	0	0	0
Gobiesox strumosus	130	0	0	0	18	0	0	0	64	0	0	4	37	0	0	0	7	0	0	0
Achirus lineatus	117	0	0	2	31	0	0	0	38	0	0	0	46	0	0	0	0	0	0	0
Floridichthys carpio	116	0	0	0	0	0	0	10	71	0	0	0	35	0	0	0	0	0	0	0
Cynoscion nebulosus	105	0	0	3	9	0	0	1	49	0	0	1	34	0	1	1	4	0	0	2
Synodus foetens	85	0	0	0	18	0	0	0	50	0	0	0	16	0	0	0	1	0	0	0
Strongylura notata	82	0	0	0	9	0	0	0	69	0	0	0	4	0	0	0	0	0	0	0
Notropis petersoni	80	0	0	0	0	76	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Strongylura marina	73	0	0	0	11	0	2	0	18	0	0	3	18	0	0	0	11	2	3	5
Prionotus scitulus	72	0	0	0	12	0	0	0	6	0	0	0	52	0	0	0	2	0	0	0
Strongylura timucu	71	0	1	4	18	0	13	1	9	0	2	2	8	0	0	0	13	0	0	0

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Gobiosoma robustum	49	16	0	0	3	0	0	0	29	0	0	0	0	0	0	0	0	0	1	0
Mayaheros urophthalmus	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
Sarotherodon melanotheron	46	0	0	0	0	2	0	1	1	0	9	22	11	0	0	0	0	0	0	0
Dasyatis sabina	43	0	0	0	5	0	0	0	21	0	0	0	17	0	0	0	0	0	0	0
Lophogobius cyprinoides	43	0	0	0	0	0	1	1	5	0	0	0	17	0	0	0	3	0	6	10
Fundulus confluentus	41	1	4	0	0	1	11	0	0	2	1	1	2	0	0	13	1	0	4	0
Chloroscombrus chrysurus	38	0	0	0	0	0	0	0	3	0	0	0	35	0	0	0	0	0	0	0
Oreochromis aureus	34	0	0	0	0	0	0	0	0	0	20	13	0	0	0	0	0	0	1	0
Sphoeroides nephelus	34	0	0	0	12	0	0	0	7	0	0	0	12	0	0	0	3	0	0	0
Lepomis punctatus	29	0	0	0	0	5	8	1	9	2	0	0	0	3	0	0	0	1	0	0
Limulus polyphemus	26	0	0	0	7	0	0	0	13	0	0	0	6	0	0	0	0	0	0	0
Heterandria formosa	25	0	0	1	0	3	0	0	0	7	4	1	1	0	0	3	0	2	3	0
Bagre marinus	23	0	0	0	12	0	0	0	5	0	0	0	5	0	0	0	1	0	0	0
Micropogonias undulatus	20	0	0	0	0	0	0	0	15	0	0	0	3	0	0	0	2	0	0	0
Pogonias cromis	19	0	0	0	17	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
Notropis maculatus	16	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prionotus tribulus	16	0	0	0	1	0	0	0	4	0	0	0	11	0	0	0	0	0	0	0
Symphurus plagiua	16	0	0	0	7	0	0	0	1	0	0	0	8	0	0	0	0	0	0	0
Etheostoma fusiforme	15	0	0	0	0	1	0	0	0	1	6	0	0	0	0	0	0	7	0	0
Lepisosteus osseus	14	0	0	0	0	1	0	3	2	0	0	0	2	0	0	0	0	0	6	0
Lepomis sp.	14	0	0	0	0	10	1	0	2	0	1	0	0	0	0	0	0	0	0	0
Microgobius thalassinus	14	0	0	0	2	0	0	0	3	0	0	0	9	0	0	0	0	0	0	0
Albula vulpes	13	0	0	0	1	0	0	0	2	0	0	0	10	0	0	0	0	0	0	0
Lepomis auritus	13	0	0	0	0	1	1	1	0	1	1	0	0	2	3	0	0	3	0	0
Menippe sp.	13	0	0	0	8	0	0	0	1	0	0	0	4	0	0	0	0	0	0	0
Mugil trichodon	12	0	0	0	6	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0
Palaemonetes paludosus	12	1	0	0	0	1	2	0	0	0	0	1	0	4	1	0	0	2	0	0
Portunus sp.	11	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0
Dorosoma petenense	10	0	0	0	1	8	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Amia calva	9	0	0	0	0	4	2	0	0	0	3	0	0	0	0	0	0	0	0	0
Bathygobius soporator	9	0	0	0	0	0	0	0	3	0	0	0	5	0	0	0	1	0	0	0
Alpheidae	8	0	0	0	0	0	0	0	3	0	0	0	5	0	0	0	0	0	0	0
Lutjanus griseus	8	0	0	0	1	0	0	0	2	0	0	0	5	0	0	0	0	0	0	0
Paralichthys albigutta	8	0	0	0	3	0	0	0	0	0	0	0	2	0	0	0	3	0	0	0

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Penaeid sp.	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Rhinoptera bonasus	8	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anchoa sp.	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0
Chasmodes saburrae	6	0	0	0	0	0	0	0	4	0	0	0	2	0	0	0	0	0	0	0
Lepisosteus platyrhincus	6	0	3	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepomis marginatus	5	1	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Oreochromis/Sarothero don spp.	5	0	0	0	0	0	0	0	0	0	0	1	1	0	1	2	0	0	0	0
Trachemys scripta	5	0	0	0	0	1	0	0	2	1	0	1	0	0	0	0	0	0	0	0
Arias felis	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Cichlasoma urophthalmus	4	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
Menippe mercenaria	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stephanolepis hispidus	4	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0
Dasyatis say	3	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Gymnura micrura	3	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0
Lupinoblennius nicholsi	3	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0
Notropis sp.	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1
Periclimenes longicaudatus	3	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
Pterygoplichthys disjunctivus	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0
Ameiurus catus	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
Cyprinidae sp. (likely Opsopoeodus)	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
Labidesthes vanhyningi	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
Lysmata amboinensis	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Menticirrhus saxatilis	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
Notemigonus crysoleucas	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Oreochromis sp.	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Pomatomus saltatrix	2	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
Pomoxis nigromaculatus	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Pseudemys nelsoni	2	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
Pterygoplichthys sp.	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
Syngnathus floridae	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Chelydra serpentina osceola	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Chilomycterus schoepfii	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0

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[illegible]

5.1.1.3 Total Abundance over river segments by MFL period.

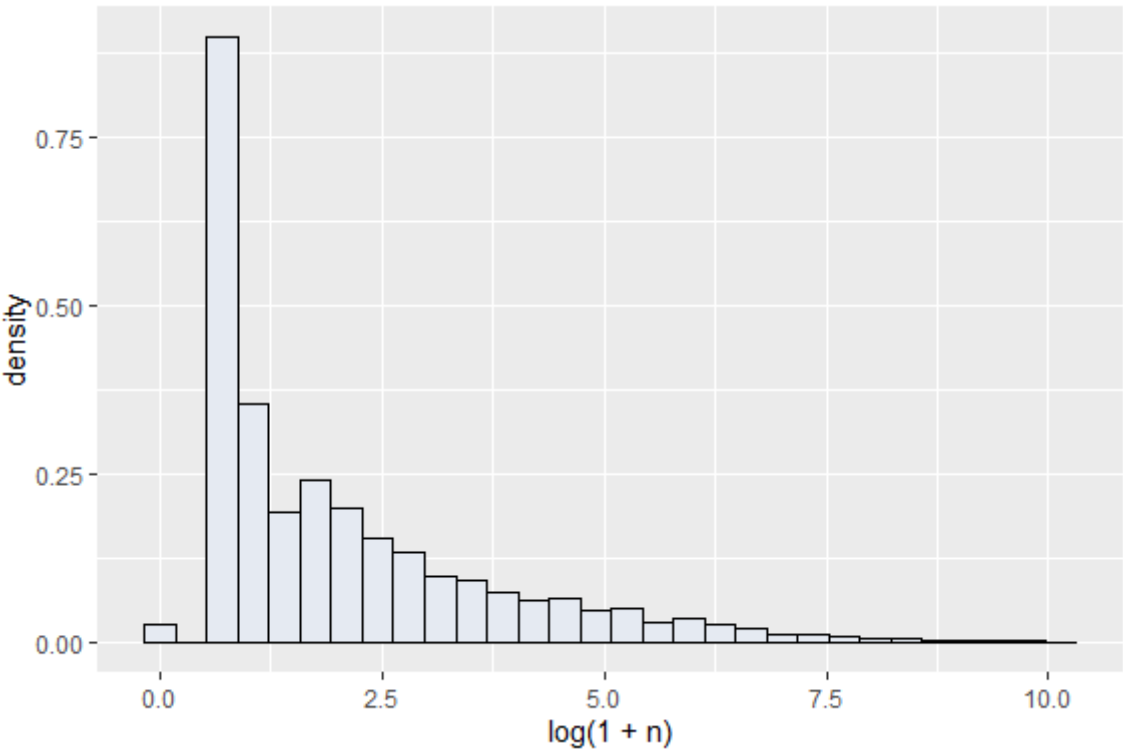
River Segment	Period 1	Period 2	Period 3	Period 4	Period 5	total
Upper	10647	8617	2345	744	4720	27073
Middle	69398	20730	10088	893	4244	105353
Lower	39551	32613	17134	1353	36655	127306
Downstream	208492	379667	223968	42249	NA	854376

5.1.1.4 Total Abundance of MFL period by River segment.

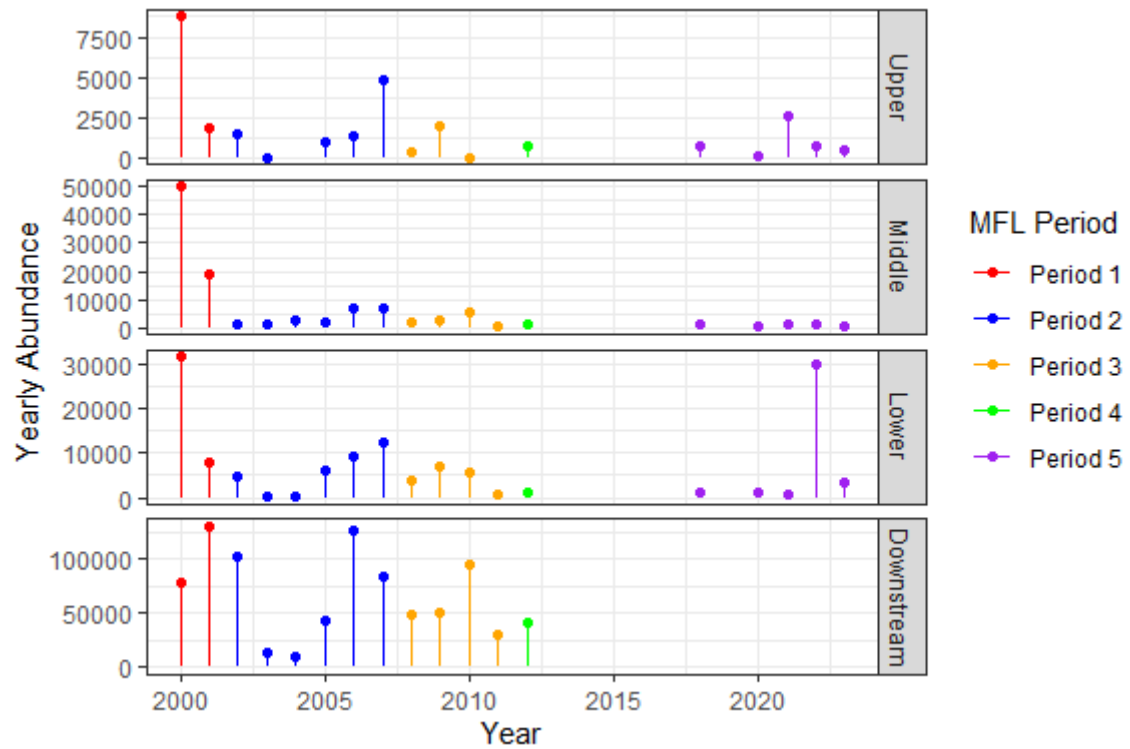
MFL Period	Lower	Middle	Upper	Downstream	total
Period 1	39551	69398	10647	208492	119596
Period 2	32613	20730	8617	379667	61960
Period 3	17134	10088	2345	223968	29567
Period 4	1353	893	744	42249	2990
Period 5	36655	4244	4720	NA	45619

5.1.2 FIGURES

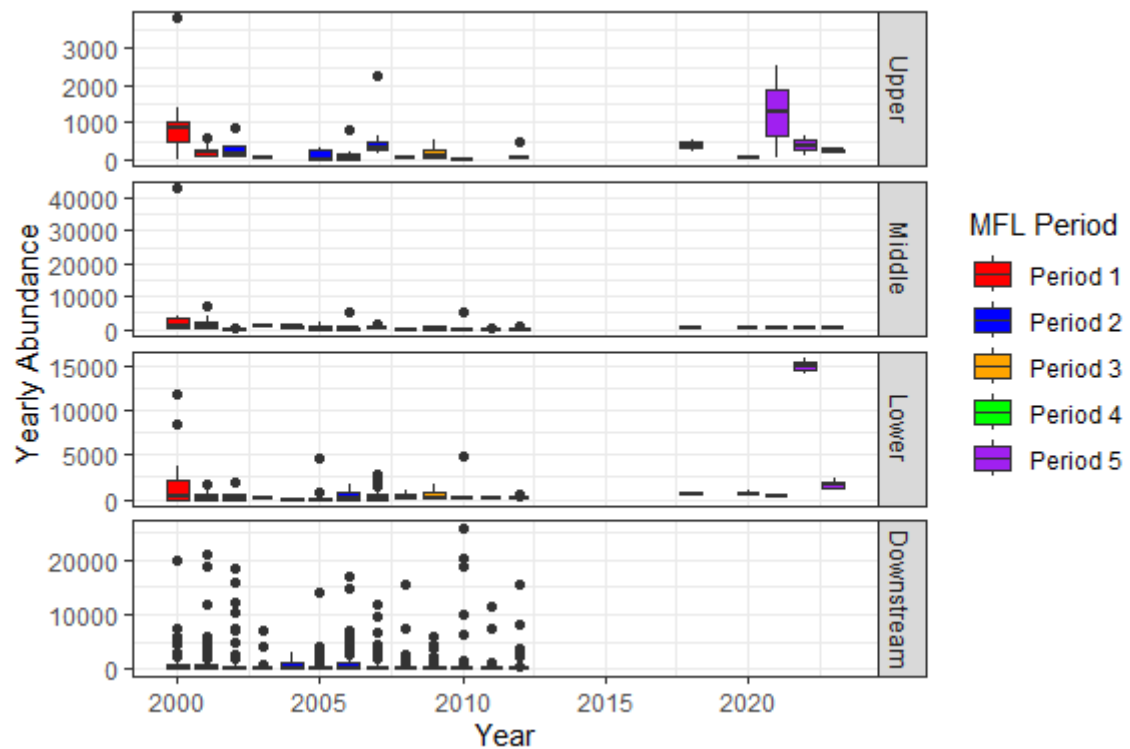
5.1.2.1 Histogram of species abundance.



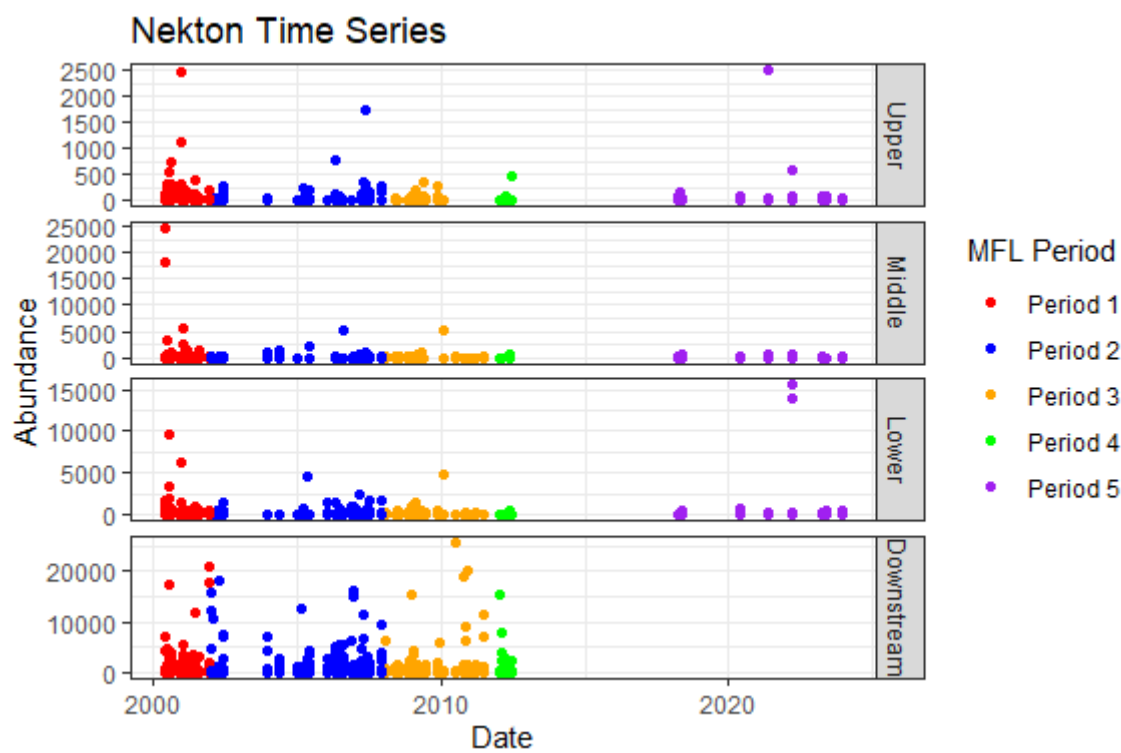
5.1.2.2 A graph of total abundance over time, grouped by year of sampling.



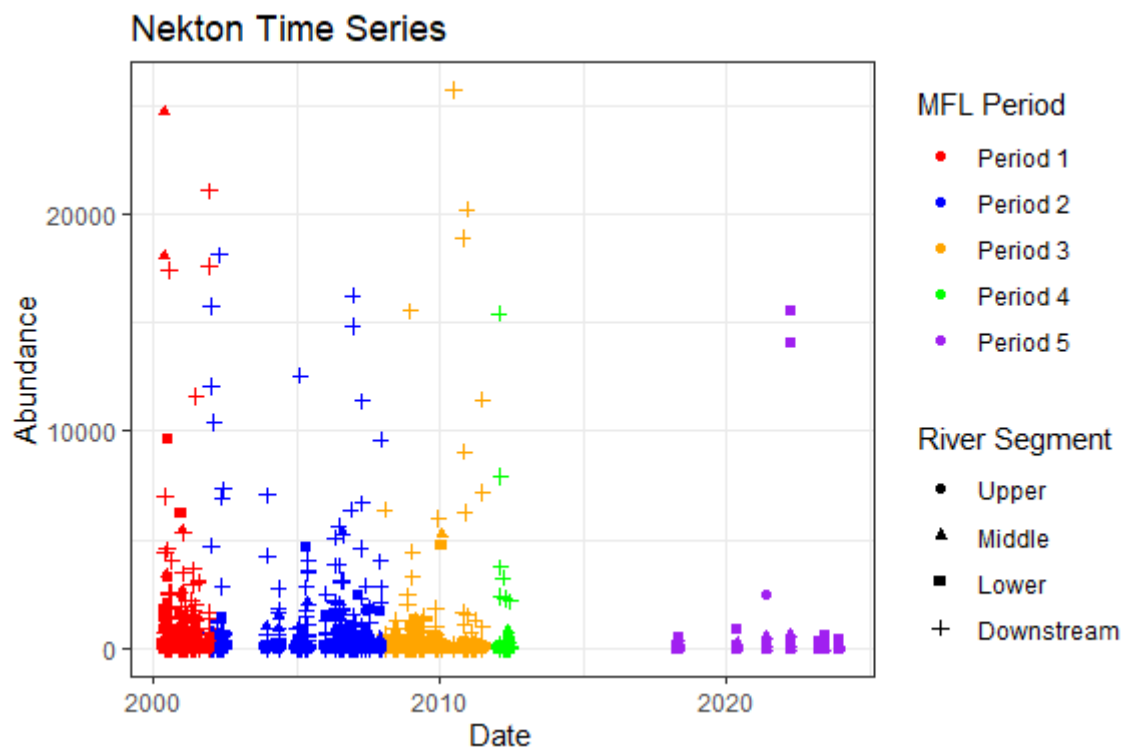
5.1.2.3 Boxplots of individuals, grouped by year, by MFL period and river segment.



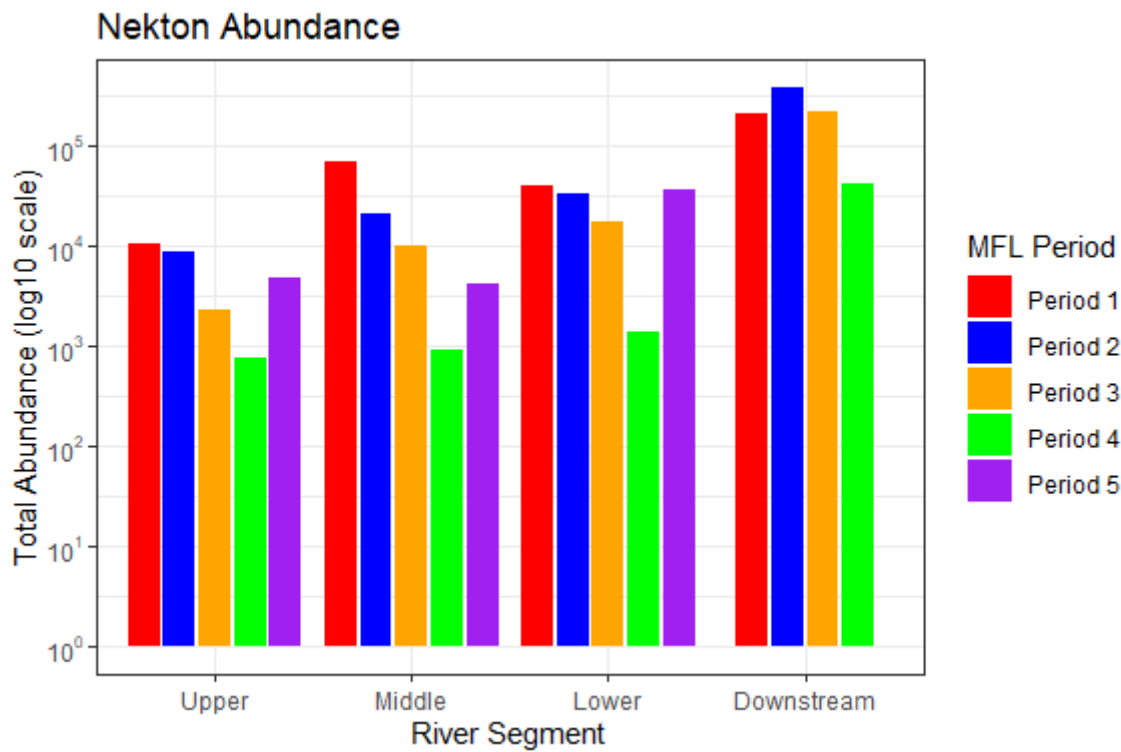
5.1.2.4 Abundance by year, MFL period, and river segment.



5.1.2.5 Total abundance by river segment, MFL period, and date.



5.1.2.6 Total abundance by MFL period and river segment.



5.2 DENSITY

5.2.1 TABLES

5.2.1.1 Total average density of the data set.

Total Avg Density
164

5.2.1.2 Total average density of each taxon.

Final Taxa	Total Avg Density
Anchoa mitchilli	2030.00
Menidia beryllina	1264.25
Menidia sp.	537.32
Brevoortia sp.	395.28
Opisthonema oglinum	319.77
Palaemonetes pugio	199.60
Harengula jaguana	134.11
Mugil cephalus	113.38
Palaemonetes sp.	108.02
Anchoa hepsetus	106.73
Leiostomus xanthurus	88.66
Gambusia holbrooki	83.47
Eucinostomus sp.	72.06
Lucania parva	66.52
Membras martinica	47.60
Poecilia latipinna	39.91
Fundulus similis	36.76
Cyprinodon variegatus	36.28
Eucinostomus harengulus	35.61

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Mugil curema	35.11
Mayaheros urophthalmus	33.10
Microgobius gulosus	32.46
Sardinella aurita	27.45
Mugil sp.	25.00
Lagodon rhomboides	24.91
Fundulus grandis	21.66
Palaemonetes intermedius	19.09
Tilapia sp.	17.59
Oreochromis aureus	16.67
Labidesthes sicculus	14.89
Notropis petersoni	14.71
Notropis maculatus	11.76
Penaeid sp.	11.76
Eucinostomus gula	10.70
Elops saurus	9.96
Fundulus seminolis	9.91
Floridichthys carpio	9.48
Bairdiella chrysoura	9.45
Eugerres plumieri	8.86
Anchoa sp.	8.82
Lepomis macrochirus	8.77
Sciaenops ocellatus	8.54
Oligoplites saurus	8.47
Trinectes maculatus	8.11
Gobiosoma sp.	6.38
Gobiosoma bosc	6.08
Sarotherodon melanotheron	6.03
Micropterus salmoides	5.90
Arias felis	5.88
Cichlasoma urophthalmus	5.88
Strongylura notata	5.48
Lepomis microlophus	5.06
Dorosoma petenense	4.45
Lucania goodei	4.27
Cynoscion arenarius	3.87
Albula vulpes	3.56
Rhinoptera bonasus	3.47
Lepomis sp.	3.43
Gobiosoma robustum	3.21
Fundulus confluentus	3.21
Etheostoma fusiforme	3.19
Cynoscion nebulosus	3.15
Pogonias cromis	2.96
Cyprinidae sp. (likely Opsopoeodus)	2.94
Mugil trichodon	2.94
Notemigonus crysoleucas	2.94
Strongylura timucu	2.82
Strongylura sp.	2.71
Lepomis punctatus	2.51
Centropomus undecimalis	2.34
Strongylura marina	2.29
Heterandria formosa	2.27
Chasmodes saburrae	2.21
Lepisosteus platyrhincus	2.21
Pterygoplichthys disjunctivus	2.21
Synodus foetens	2.19

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Achirus lineatus	2.12
Callinectes sapidus	1.90
Palaemonetes paludosus	1.84
Oreochromis/Sarotherodon spp.	1.84
Lophogobius cyprinoides	1.79
Lepisosteus osseus	1.70
Lutjanus griseus	1.68
Amia calva	1.65
Bathygobius soporator	1.65
Lepomis auritus	1.61
Menticirrhus americanus	1.58
Chelydra serpentina osceola	1.47
Clupeidae sp.	1.47
Dormitator maculatus	1.47
Fundulus sp.	1.47
Labidesthes vanhyningi	1.47
Lepomis marginatus	1.47
Lupinoblennius nicholsi	1.47
Notropis sp.	1.47
Palaemon floridanus	1.47
Pomatomus saltatrix	1.47
Pomoxis nigromaculatus	1.47
Trachemys scripta	1.47
Syngnathus scovelli	1.42
Orthopristis chrysoptera	1.24
Farfantepenaeus duorarum	1.16
Chloroscombrus chrysurus	1.03
Archosargus probatocephalus	0.94
Gobiesox strumosus	0.85
Menticirrhus saxatilis	0.80
Pseudemys nelsoni	0.80
Sphoeroides nephelus	0.78
Pterygoplichthys sp.	0.75
Opsanus beta	0.74
Micropogonias undulatus	0.67
Dasyatis say	0.59
Syngnathus louisianae	0.54
Prionotus scitulus	0.52
Bagre marinus	0.52
Chaetodipterus faber	0.49
Stephanolepis hispidus	0.49
Ariopsis felis	0.42
Alpheidae	0.35
Limulus polyphemus	0.34
Microgobius thalassinus	0.33
Menippe mercenaria	0.28
Portunus sp.	0.23
Dasyatis sabina	0.23
Symphurus plagiusa	0.23
Gymnura micrura	0.20
Menippe sp.	0.19
Prionotus tribulus	0.19
Paralichthys albigutta	0.17
Chilomycterus schoepfii	0.15
Gobiosoma longipala	0.15
Lysmata amboinensis	0.14
Syngnathus floridae	0.14

Hypsoblennius hentz	0.13
Menticirrhus sp.	0.13
Urophycis floridana	0.13
Periclimenes longicaudatus	0.13
Dorosoma cepedianum	0.12
Echeneis naucrates	0.12
Pseudemys peninsularis	0.12
Ameiurus catus	0.03
Fundulus chrysotus	0.03
Oreochromis sp.	0.03
No fish	0.00

5.2.1.3 Total average density of each taxon by MFL period and river segment.

River Segment	MFL Period	Final Taxa	Total Avg Density
Upper	Period 1	Palaemonetes pugio	589.15
Upper	Period 1	Gambusia holbrooki	281.83
Upper	Period 1	Lucania parva	227.74
Upper	Period 1	Menidia sp.	186.76
Upper	Period 1	Anchoa mitchilli	105.64
Upper	Period 1	Poecilia latipinna	82.17
Upper	Period 1	Brevoortia sp.	59.56
Upper	Period 1	Microgobius gulosus	34.56
Upper	Period 1	Gobiosoma sp.	17.33
Upper	Period 1	Trinectes maculatus	16.70
Upper	Period 1	Gobiosoma bosc	15.20
Upper	Period 1	Tilapia sp.	12.28
Upper	Period 1	Gobiosoma robustum	11.13
Upper	Period 1	Elops saurus	9.80
Upper	Period 1	Anchoa hepsetus	4.41
Upper	Period 1	Cyprinodon variegatus	3.92
Upper	Period 1	Lepomis macrochirus	3.68
Upper	Period 1	Leiostomus xanthurus	2.94
Upper	Period 1	Fundulus confluentus	1.47
Upper	Period 1	Fundulus grandis	1.47
Upper	Period 1	Lepomis marginatus	1.47
Upper	Period 1	Lucania goodei	1.47
Upper	Period 1	Oligoplites saurus	1.47
Upper	Period 1	Palaemonetes paludosus	1.47
Upper	Period 1	Archosargus probatocephalus	0.93
Middle	Period 1	Brevoortia sp.	4129.83
Middle	Period 1	Menidia sp.	3007.94
Middle	Period 1	Palaemonetes pugio	1355.39
Middle	Period 1	Gambusia holbrooki	422.16
Middle	Period 1	Poecilia latipinna	265.93
Middle	Period 1	Lucania parva	87.71
Middle	Period 1	Leiostomus xanthurus	82.35
Middle	Period 1	Anchoa mitchilli	41.91
Middle	Period 1	Tilapia sp.	28.27
Middle	Period 1	Trinectes maculatus	14.17
Middle	Period 1	Eucinostomus harengulus	10.29
Middle	Period 1	Elops saurus	9.56
Middle	Period 1	Eugerres plumieri	9.19
Middle	Period 1	Microgobius gulosus	7.35
Middle	Period 1	Mugil cephalus	7.35
Middle	Period 1	Fundulus confluentus	5.88
Middle	Period 1	Fundulus grandis	5.88

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Middle	Period 1	Sciaenops ocellatus	5.39
Middle	Period 1	Lepisosteus platyrhincus	4.41
Middle	Period 1	Eucinostomus sp.	3.68
Middle	Period 1	Cyprinodon variegatus	3.31
Middle	Period 1	Cynoscion arenarius	2.94
Middle	Period 1	Lepomis microlophus	2.94
Middle	Period 1	Gobiosoma bosc	1.96
Middle	Period 1	Archosargus probatocephalus	1.47
Middle	Period 1	Callinectes sapidus	1.47
Middle	Period 1	Dormitator maculatus	1.47
Middle	Period 1	Gobiosoma sp.	1.47
Middle	Period 1	Lepomis macrochirus	1.47
Middle	Period 1	Oligoplites saurus	1.47
Middle	Period 1	Strongylura timucu	1.47
Lower	Period 1	Anchoa mitchilli	2391.39
Lower	Period 1	Menidia sp.	1056.97
Lower	Period 1	Palaemonetes pugio	847.61
Lower	Period 1	Brevoortia sp.	323.18
Lower	Period 1	Leiostomus xanthurus	168.53
Lower	Period 1	Lucania parva	82.13
Lower	Period 1	Gambusia holbrooki	43.01
Lower	Period 1	Palaemonetes sp.	33.82
Lower	Period 1	Poecilia latipinna	29.51
Lower	Period 1	Trinectes maculatus	25.12
Lower	Period 1	Fundulus grandis	24.06
Lower	Period 1	Mugil cephalus	23.53
Lower	Period 1	Microgobius gulosus	14.81
Lower	Period 1	Cyprinodon variegatus	14.44
Lower	Period 1	Elops saurus	12.87
Lower	Period 1	Eucinostomus sp.	12.35
Lower	Period 1	Gobiosoma bosc	11.76
Lower	Period 1	Tilapia sp.	11.27
Lower	Period 1	Eugerres plumieri	10.94
Lower	Period 1	Centropomus undecimalis	8.82
Lower	Period 1	Eucinostomus harengulus	8.46
Lower	Period 1	Cynoscion arenarius	6.74
Lower	Period 1	Callinectes sapidus	6.72
Lower	Period 1	Archosargus probatocephalus	4.04
Lower	Period 1	Gobiosoma sp.	3.68
Lower	Period 1	Lagodon rhomboides	3.68
Lower	Period 1	Oligoplites saurus	3.43
Lower	Period 1	Achirus lineatus	2.94
Lower	Period 1	Strongylura timucu	2.94
Lower	Period 1	Syngnathus scovelli	2.94
Lower	Period 1	Cynoscion nebulosus	2.21
Lower	Period 1	Anchoa hepsetus	1.47
Lower	Period 1	Eucinostomus gula	1.47
Lower	Period 1	Fundulus similis	1.47
Lower	Period 1	Heterandria formosa	1.47
Lower	Period 1	Lepisosteus platyrhincus	1.47
Lower	Period 1	Sciaenops ocellatus	1.47
Lower	Period 1	Menticirrhus americanus	0.15
Lower	Period 1	No fish	0.00
Downstream	Period 1	Anchoa mitchilli	2228.69
Downstream	Period 1	Menidia sp.	482.25
Downstream	Period 1	Palaemonetes pugio	457.57
Downstream	Period 1	Leiostomus xanthurus	326.16

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Downstream	Period 1	Brevoortia sp.	271.29
Downstream	Period 1	Mugil cephalus	173.90
Downstream	Period 1	Palaemonetes sp.	163.66
Downstream	Period 1	Anchoa hepsetus	148.90
Downstream	Period 1	Palaemonetes intermedius	108.82
Downstream	Period 1	Lagodon rhomboides	64.87
Downstream	Period 1	Fundulus similis	60.12
Downstream	Period 1	Membras martinica	52.70
Downstream	Period 1	Lucania parva	46.55
Downstream	Period 1	Fundulus grandis	40.95
Downstream	Period 1	Cyprinodon variegatus	37.69
Downstream	Period 1	Mugil sp.	33.82
Downstream	Period 1	Poecilia latipinna	33.09
Downstream	Period 1	Microgobius gulosus	26.98
Downstream	Period 1	Eucinostomus harengulus	21.49
Downstream	Period 1	Eucinostomus gula	19.28
Downstream	Period 1	Sciaenops ocellatus	19.18
Downstream	Period 1	Gambusia holbrooki	16.10
Downstream	Period 1	Trinectes maculatus	10.36
Downstream	Period 1	Gobiosoma sp.	7.61
Downstream	Period 1	Eucinostomus sp.	7.49
Downstream	Period 1	Oligoplites saurus	7.14
Downstream	Period 1	Cynoscion arenarius	6.74
Downstream	Period 1	Eugerres plumieri	5.88
Downstream	Period 1	Bairdiella chrysoura	5.88
Downstream	Period 1	Gobiosoma bosc	5.36
Downstream	Period 1	Mugil trichodon	4.41
Downstream	Period 1	Menticirrhus americanus	3.70
Downstream	Period 1	Pogonias cromis	3.57
Downstream	Period 1	Rhinoptera bonasus	3.47
Downstream	Period 1	Elops saurus	3.43
Downstream	Period 1	Achirus lineatus	2.79
Downstream	Period 1	Strongylura sp.	2.65
Downstream	Period 1	Strongylura timucu	2.41
Downstream	Period 1	Strongylura marina	2.31
Downstream	Period 1	Strongylura notata	2.21
Downstream	Period 1	Synodus foetens	2.21
Downstream	Period 1	Callinectes sapidus	2.06
Downstream	Period 1	Farfantepenaeus duorarum	1.66
Downstream	Period 1	Cynoscion nebulosus	1.65
Downstream	Period 1	Syngnathus scovelli	1.53
Downstream	Period 1	Sphoeroides nephelus	1.52
Downstream	Period 1	Albula vulpes	1.47
Downstream	Period 1	Centropomus undecimalis	1.47
Downstream	Period 1	Dasyatis say	1.47
Downstream	Period 1	Dorosoma petenense	1.47
Downstream	Period 1	Lutjanus griseus	1.47
Downstream	Period 1	Microgobius thalassinus	1.47
Downstream	Period 1	Palaemon floridanus	1.47
Downstream	Period 1	Gobiesox strumosus	1.21
Downstream	Period 1	Archosargus probatocephalus	1.14
Downstream	Period 1	Gobiosoma robustum	1.03
Downstream	Period 1	Syngnathus louisianae	0.88
Downstream	Period 1	Orthopristis chrysoptera	0.80
Downstream	Period 1	Prionotus scitulus	0.75
Downstream	Period 1	Bagre marinus	0.69
Downstream	Period 1	Opsanus beta	0.61

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Downstream	Period 1	Ariopsis felis	0.47
Downstream	Period 1	Symphurus plagiusa	0.40
Downstream	Period 1	Chaetodipterus faber	0.30
Downstream	Period 1	Menippe mercenaria	0.28
Downstream	Period 1	Limulus polyphemus	0.26
Downstream	Period 1	Menippe sp.	0.23
Downstream	Period 1	Paralichthys albigutta	0.20
Downstream	Period 1	Dasyatis sabina	0.17
Downstream	Period 1	Lysmata amboinensis	0.15
Downstream	Period 1	Echeneis naucrates	0.12
Downstream	Period 1	Prionotus tribulus	0.11
Downstream	Period 1	No fish	0.00
Upper	Period 2	Lucania parva	233.73
Upper	Period 2	Menidia sp.	209.91
Upper	Period 2	Gambusia holbrooki	83.75
Upper	Period 2	Tilapia sp.	42.83
Upper	Period 2	Poecilia latipinna	38.24
Upper	Period 2	Cyprinodon variegatus	38.01
Upper	Period 2	Palaemonetes pugio	34.19
Upper	Period 2	Notropis petersoni	18.63
Upper	Period 2	Fundulus seminolis	17.78
Upper	Period 2	Labidesthes sicculus	16.98
Upper	Period 2	Eucinostomus harengulus	13.97
Upper	Period 2	Microgobius gulosus	12.50
Upper	Period 2	Lepomis macrochirus	12.13
Upper	Period 2	Micropterus salmoides	11.89
Upper	Period 2	Dorosoma petenense	11.76
Upper	Period 2	Notropis maculatus	11.76
Upper	Period 2	Trinectes maculatus	7.65
Upper	Period 2	Lepomis microlophus	7.03
Upper	Period 2	Gobiosoma sp.	6.62
Upper	Period 2	Lucania goodei	5.88
Upper	Period 2	Fundulus grandis	4.90
Upper	Period 2	Lepomis sp.	4.90
Upper	Period 2	Heterandria formosa	4.41
Upper	Period 2	Leiostomus xanthurus	3.43
Upper	Period 2	Elops saurus	2.94
Upper	Period 2	Gobiosoma bosc	2.94
Upper	Period 2	Lepomis punctatus	2.45
Upper	Period 2	Anchoa mitchilli	2.21
Upper	Period 2	Amia calva	1.96
Upper	Period 2	Archosargus probatocephalus	1.47
Upper	Period 2	Cynoscion arenarius	1.47
Upper	Period 2	Etheostoma fusiforme	1.47
Upper	Period 2	Eugerres plumieri	1.47
Upper	Period 2	Fundulus confluentus	1.47
Upper	Period 2	Lepisosteus osseus	1.47
Upper	Period 2	Lepisosteus platyrhincus	1.47
Upper	Period 2	Lepomis auritus	1.47
Upper	Period 2	Lepomis marginatus	1.47
Upper	Period 2	Oligoplites saurus	1.47
Upper	Period 2	Palaemonetes paludosus	1.47
Upper	Period 2	Pterygoplichthys disjunctivus	1.47
Upper	Period 2	Sarotherodon melanothron	1.47
Upper	Period 2	Syngnathus louisianae	1.47
Upper	Period 2	Trachemys scripta	1.47
Upper	Period 2	No fish	0.00

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Middle	Period 2	Menidia sp.	694.17
Middle	Period 2	Anchoa mitchilli	331.99
Middle	Period 2	Brevoortia sp.	301.47
Middle	Period 2	Gambusia holbrooki	117.59
Middle	Period 2	Palaemonetes pugio	87.54
Middle	Period 2	Lucania parva	36.96
Middle	Period 2	Cyprinodon variegatus	30.00
Middle	Period 2	Tilapia sp.	27.08
Middle	Period 2	Microgobius gulosus	19.85
Middle	Period 2	Eucinostomus sp.	19.49
Middle	Period 2	Strongylura timucu	19.12
Middle	Period 2	Eucinostomus harengulus	15.76
Middle	Period 2	Poecilia latipinna	14.34
Middle	Period 2	Elops saurus	13.24
Middle	Period 2	Leiostomus xanthurus	11.76
Middle	Period 2	Gobiosoma bosc	10.44
Middle	Period 2	Trinectes maculatus	9.97
Middle	Period 2	Labidesthes sicculus	7.60
Middle	Period 2	Strongylura sp.	7.35
Middle	Period 2	Lepomis microlophus	5.88
Middle	Period 2	Fundulus grandis	5.15
Middle	Period 2	Fundulus seminolis	5.15
Middle	Period 2	Eugerres plumieri	4.90
Middle	Period 2	Fundulus confluentus	4.04
Middle	Period 2	Lepomis punctatus	3.92
Middle	Period 2	Lepomis macrochirus	3.78
Middle	Period 2	Micropterus salmoides	3.57
Middle	Period 2	Callinectes sapidus	2.94
Middle	Period 2	Notropis petersoni	2.94
Middle	Period 2	Palaemonetes paludosus	2.94
Middle	Period 2	Strongylura marina	2.94
Middle	Period 2	Gobiosoma sp.	2.15
Middle	Period 2	Amia calva	1.47
Middle	Period 2	Anchoa hepsetus	1.47
Middle	Period 2	Centropomus undecimalis	1.47
Middle	Period 2	Harengula jaguana	1.47
Middle	Period 2	Lepisosteus platyrhincus	1.47
Middle	Period 2	Lepomis auritus	1.47
Middle	Period 2	Lepomis marginatus	1.47
Middle	Period 2	Lepomis sp.	1.47
Middle	Period 2	Lophogobius cyprinoides	1.47
Middle	Period 2	Mugil cephalus	1.47
Middle	Period 2	Oligoplites saurus	1.47
Middle	Period 2	Syngnathus scovelli	1.47
Middle	Period 2	No fish	0.00
Lower	Period 2	Menidia sp.	825.44
Lower	Period 2	Anchoa mitchilli	246.93
Lower	Period 2	Palaemonetes pugio	170.41
Lower	Period 2	Brevoortia sp.	65.44
Lower	Period 2	Mugil cephalus	64.71
Lower	Period 2	Anchoa hepsetus	57.35
Lower	Period 2	Cyprinodon variegatus	47.40
Lower	Period 2	Lucania parva	47.07
Lower	Period 2	Gambusia holbrooki	42.89
Lower	Period 2	Poecilia latipinna	37.06
Lower	Period 2	Leiostomus xanthurus	24.26
Lower	Period 2	Eucinostomus sp.	20.59

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Lower	Period 2	Microgobius gulosus	13.19
Lower	Period 2	Eucinostomus harengulus	13.04
Lower	Period 2	Fundulus grandis	12.66
Lower	Period 2	Trinectes maculatus	10.43
Lower	Period 2	Elops saurus	10.08
Lower	Period 2	Tilapia sp.	9.56
Lower	Period 2	Gobiosoma bosc	9.45
Lower	Period 2	Floridichthys carpio	7.35
Lower	Period 2	Lucania goodei	6.86
Lower	Period 2	Gobiosoma sp.	5.25
Lower	Period 2	Eugerres plumieri	5.15
Lower	Period 2	Oligoplites saurus	4.41
Lower	Period 2	Fundulus seminolis	3.68
Lower	Period 2	Micropterus salmoides	3.43
Lower	Period 2	Archosargus probatocephalus	2.94
Lower	Period 2	Centropomus undecimalis	2.21
Lower	Period 2	Lepomis macrochirus	1.96
Lower	Period 2	Cynoscion nebulosus	1.47
Lower	Period 2	Labidesthes sicculus	1.47
Lower	Period 2	Lagodon rhomboides	1.47
Lower	Period 2	Lepomis auritus	1.47
Lower	Period 2	Lepomis microlophus	1.47
Lower	Period 2	Lepomis punctatus	1.47
Lower	Period 2	Lophogobius cyprinoides	1.47
Lower	Period 2	Sciaenops ocellatus	1.47
Lower	Period 2	Strongylura sp.	1.47
Lower	Period 2	Strongylura timucu	1.47
Lower	Period 2	Syngnathus scovelli	1.47
Lower	Period 2	Callinectes sapidus	0.83
Lower	Period 2	Cynoscion arenarius	0.80
Lower	Period 2	Sarotherodon melanotheron	0.15
Lower	Period 2	Lepisosteus osseus	0.14
Lower	Period 2	Pseudemys nelsoni	0.12
Lower	Period 2	Pseudemys peninsularis	0.12
Lower	Period 2	No fish	0.00
Downstream	Period 2	Anchoa mitchilli	2381.96
Downstream	Period 2	Menidia sp.	731.66
Downstream	Period 2	Opisthonema oglinum	636.03
Downstream	Period 2	Harengula jaguana	112.44
Downstream	Period 2	Brevoortia sp.	102.79
Downstream	Period 2	Palaemonetes pugio	85.96
Downstream	Period 2	Mugil cephalus	84.99
Downstream	Period 2	Lucania parva	57.12
Downstream	Period 2	Microgobius gulosus	54.76
Downstream	Period 2	Cyprinodon variegatus	53.36
Downstream	Period 2	Eucinostomus harengulus	46.41
Downstream	Period 2	Fundulus similis	40.06
Downstream	Period 2	Eucinostomus sp.	38.35
Downstream	Period 2	Sardinella aurita	27.45
Downstream	Period 2	Eucinostomus gula	26.84
Downstream	Period 2	Anchoa hepsetus	26.42
Downstream	Period 2	Fundulus grandis	25.78
Downstream	Period 2	Palaemonetes intermedius	24.81
Downstream	Period 2	Gambusia holbrooki	23.76
Downstream	Period 2	Poecilia latipinna	23.06
Downstream	Period 2	Leiostomus xanthurus	17.39
Downstream	Period 2	Mugil curema	13.97

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Downstream	Period 2	Elops saurus	13.31
Downstream	Period 2	Floridichthys carpio	13.05
Downstream	Period 2	Oligoplites saurus	10.62
Downstream	Period 2	Eugerres plumieri	9.05
Downstream	Period 2	Gobiosoma bosc	7.45
Downstream	Period 2	Mugil sp.	7.35
Downstream	Period 2	Membras martinica	7.35
Downstream	Period 2	Gobiosoma sp.	7.29
Downstream	Period 2	Strongylura notata	7.25
Downstream	Period 2	Lagodon rhomboides	6.93
Downstream	Period 2	Trinectes maculatus	6.84
Downstream	Period 2	Bairdiella chrysoura	6.59
Downstream	Period 2	Tilapia sp.	6.51
Downstream	Period 2	Cynoscion nebulosus	5.34
Downstream	Period 2	Sciaenops ocellatus	4.99
Downstream	Period 2	Cynoscion arenarius	3.84
Downstream	Period 2	Palaemonetes sp.	3.68
Downstream	Period 2	Lepomis punctatus	3.31
Downstream	Period 2	Albula vulpes	2.94
Downstream	Period 2	Chasmodes saburrae	2.94
Downstream	Period 2	Lepomis sp.	2.94
Downstream	Period 2	Micropterus salmoides	2.94
Downstream	Period 2	Strongylura sp.	2.75
Downstream	Period 2	Strongylura timucu	2.65
Downstream	Period 2	Achirus lineatus	2.58
Downstream	Period 2	Centropomus undecimalis	2.45
Downstream	Period 2	Lophogobius cyprinoides	2.45
Downstream	Period 2	Strongylura marina	2.41
Downstream	Period 2	Synodus foetens	2.24
Downstream	Period 2	Lucania goodei	2.21
Downstream	Period 2	Gobiosoma robustum	1.95
Downstream	Period 2	Lepomis macrochirus	1.84
Downstream	Period 2	Syngnathus scovelli	1.59
Downstream	Period 2	Callinectes sapidus	1.55
Downstream	Period 2	Bathygobius soporator	1.47
Downstream	Period 2	Chelydra serpentina osceola	1.47
Downstream	Period 2	Clupeidae sp.	1.47
Downstream	Period 2	Fundulus seminolis	1.47
Downstream	Period 2	Fundulus sp.	1.47
Downstream	Period 2	Lupinoblennius nicholsi	1.47
Downstream	Period 2	Lutjanus griseus	1.47
Downstream	Period 2	Orthopristis chrysoptera	1.47
Downstream	Period 2	Pogonias cromis	1.47
Downstream	Period 2	Pomatomus saltatrix	1.47
Downstream	Period 2	Sarotherodon melanocheilus	1.47
Downstream	Period 2	Trachemys scripta	1.47
Downstream	Period 2	Menticirrhus americanus	1.17
Downstream	Period 2	Archosargus probatocephalus	0.87
Downstream	Period 2	Lepisosteus osseus	0.81
Downstream	Period 2	Opsanus beta	0.81
Downstream	Period 2	Stephanolepis hispidus	0.80
Downstream	Period 2	Farfantepenaeus duorarum	0.76
Downstream	Period 2	Chaetodipterus faber	0.75
Downstream	Period 2	Syngnathus louisianae	0.72
Downstream	Period 2	Gobiesox strumosus	0.72
Downstream	Period 2	Bagre marinus	0.68
Downstream	Period 2	Limulus polyphemus	0.48

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Downstream	Period 2	Micropogonias undulatus	0.40
Downstream	Period 2	Sphoeroides nephelus	0.39
Downstream	Period 2	Ariopsis felis	0.28
Downstream	Period 2	Dasyatis sabina	0.23
Downstream	Period 2	Prionotus tribulus	0.22
Downstream	Period 2	Prionotus scitulus	0.21
Downstream	Period 2	Alpheidae	0.20
Downstream	Period 2	Chloroscombrus chrysurus	0.20
Downstream	Period 2	Gymnura micrura	0.16
Downstream	Period 2	Dasyatis say	0.15
Downstream	Period 2	Lysmata amboinensis	0.13
Downstream	Period 2	Menippe sp.	0.13
Downstream	Period 2	Symphurus plagiusa	0.13
Downstream	Period 2	Microgobius thalassinus	0.13
Downstream	Period 2	Periclimenes longicaudatus	0.13
Downstream	Period 2	No fish	0.00
Upper	Period 3	Lucania parva	85.07
Upper	Period 3	Gambusia holbrooki	74.79
Upper	Period 3	Menidia sp.	66.05
Upper	Period 3	Fundulus seminolis	15.81
Upper	Period 3	Palaemonetes pugio	10.66
Upper	Period 3	Micropterus salmoides	9.41
Upper	Period 3	Trinectes maculatus	8.97
Upper	Period 3	Anchoa mitchilli	6.86
Upper	Period 3	Labidesthes sicculus	6.51
Upper	Period 3	Heterandria formosa	5.15
Upper	Period 3	Eucinostomus sp.	4.41
Upper	Period 3	Poecilia latipinna	4.41
Upper	Period 3	Cyprinodon variegatus	3.92
Upper	Period 3	Eucinostomus harengulus	3.92
Upper	Period 3	Lepomis macrochirus	2.65
Upper	Period 3	Gobiosoma bosc	2.21
Upper	Period 3	Lepomis microlophus	2.21
Upper	Period 3	Brevoortia sp.	1.47
Upper	Period 3	Etheostoma fusiforme	1.47
Upper	Period 3	Fundulus confluentus	1.47
Upper	Period 3	Lagodon rhomboides	1.47
Upper	Period 3	Lepomis auritus	1.47
Upper	Period 3	Lepomis punctatus	1.47
Upper	Period 3	Pterygoplichthys sp.	1.47
Upper	Period 3	Trachemys scripta	1.47
Middle	Period 3	Anchoa mitchilli	2613.97
Middle	Period 3	Gambusia holbrooki	122.25
Middle	Period 3	Labidesthes sicculus	62.25
Middle	Period 3	Lucania parva	46.64
Middle	Period 3	Menidia sp.	31.21
Middle	Period 3	Eucinostomus sp.	30.29
Middle	Period 3	Oreochromis aureus	29.41
Middle	Period 3	Brevoortia sp.	24.02
Middle	Period 3	Eugerres plumieri	16.67
Middle	Period 3	Fundulus seminolis	15.69
Middle	Period 3	Palaemonetes pugio	13.64
Middle	Period 3	Lepomis macrochirus	12.87
Middle	Period 3	Eucinostomus harengulus	12.39
Middle	Period 3	Sarotherodon melanothron	6.62
Middle	Period 3	Trinectes maculatus	5.88
Middle	Period 3	Cyprinodon variegatus	5.59

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Middle	Period 3	Tilapia sp.	5.29
Middle	Period 3	Microgobius gulosus	5.15
Middle	Period 3	Etheostoma fusiforme	4.41
Middle	Period 3	Leiostomus xanthurus	4.41
Middle	Period 3	Lepomis microlophus	3.82
Middle	Period 3	Poecilia latipinna	3.82
Middle	Period 3	Micropterus salmoides	3.10
Middle	Period 3	Lagodon rhomboides	2.94
Middle	Period 3	Lucania goodei	2.94
Middle	Period 3	Gobiosoma bosc	2.21
Middle	Period 3	Mugil cephalus	1.96
Middle	Period 3	Gobiosoma sp.	1.76
Middle	Period 3	Amia calva	1.47
Middle	Period 3	Callinectes sapidus	1.47
Middle	Period 3	Centropomus undecimalis	1.47
Middle	Period 3	Fundulus confluentus	1.47
Middle	Period 3	Heterandria formosa	1.47
Middle	Period 3	Lepomis auritus	1.47
Middle	Period 3	Lepomis sp.	1.47
Middle	Period 3	Pomoxis nigromaculatus	1.47
Middle	Period 3	Strongylura timucu	1.47
Lower	Period 3	Anchoa mitchilli	1052.94
Lower	Period 3	Mugil cephalus	199.26
Lower	Period 3	Palaemonetes pugio	177.69
Lower	Period 3	Brevoortia sp.	159.07
Lower	Period 3	Menidia sp.	149.82
Lower	Period 3	Gambusia holbrooki	100.81
Lower	Period 3	Lucania parva	71.49
Lower	Period 3	Eucinostomus sp.	67.65
Lower	Period 3	Sarotherodon melanotheron	32.35
Lower	Period 3	Eucinostomus harengulus	31.00
Lower	Period 3	Poecilia latipinna	30.98
Lower	Period 3	Cyprinodon variegatus	23.75
Lower	Period 3	Oreochromis aureus	19.12
Lower	Period 3	Trinectes maculatus	14.03
Lower	Period 3	Tilapia sp.	12.87
Lower	Period 3	Leiostomus xanthurus	8.46
Lower	Period 3	Eugerres plumieri	8.09
Lower	Period 3	Fundulus seminolis	6.80
Lower	Period 3	Fundulus grandis	5.88
Lower	Period 3	Gobiesox strumosus	5.88
Lower	Period 3	Gobiosoma sp.	5.88
Lower	Period 3	Elops saurus	5.51
Lower	Period 3	Micropterus salmoides	4.71
Lower	Period 3	Centropomus undecimalis	4.41
Lower	Period 3	Gobiosoma bosc	3.92
Lower	Period 3	Lagodon rhomboides	3.24
Lower	Period 3	Labidesthes sicculus	2.94
Lower	Period 3	Lepomis macrochirus	2.94
Lower	Period 3	Notemigonus crysoleucas	2.94
Lower	Period 3	Strongylura marina	2.21
Lower	Period 3	Syngnathus scovelli	2.21
Lower	Period 3	Sciaenops ocellatus	1.96
Lower	Period 3	Microgobius gulosus	1.89
Lower	Period 3	Archosargus probatocephalus	1.47
Lower	Period 3	Callinectes sapidus	1.47
Lower	Period 3	Cynoscion nebulosus	1.47

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Lower	Period 3	Fundulus confluentus	1.47
Lower	Period 3	Fundulus similis	1.47
Lower	Period 3	Heterandria formosa	1.47
Lower	Period 3	Lepomis microlophus	1.47
Lower	Period 3	Lucania goodei	1.47
Lower	Period 3	Oreochromis/Sarotherodon spp.	1.47
Lower	Period 3	Palaemonetes paludosus	1.47
Lower	Period 3	Strongylura sp.	1.47
Lower	Period 3	Strongylura timucu	1.47
Lower	Period 3	Trachemys scripta	1.47
Lower	Period 3	No fish	0.00
Downstream	Period 3	Anchoa mitchilli	2071.75
Downstream	Period 3	Mugil cephalus	181.84
Downstream	Period 3	Anchoa hepsetus	165.88
Downstream	Period 3	Harengula jaguana	163.70
Downstream	Period 3	Menidia sp.	162.23
Downstream	Period 3	Eucinostomus sp.	123.68
Downstream	Period 3	Palaemonetes pugio	105.71
Downstream	Period 3	Brevoortia sp.	97.30
Downstream	Period 3	Membras martinica	58.46
Downstream	Period 3	Eucinostomus harengulus	45.46
Downstream	Period 3	Lucania parva	42.57
Downstream	Period 3	Mugil curema	28.92
Downstream	Period 3	Cyprinodon variegatus	28.90
Downstream	Period 3	Poecilia latipinna	23.86
Downstream	Period 3	Gambusia holbrooki	18.68
Downstream	Period 3	Fundulus similis	18.45
Downstream	Period 3	Leiostomus xanthurus	17.04
Downstream	Period 3	Fundulus grandis	15.54
Downstream	Period 3	Lagodon rhomboides	15.46
Downstream	Period 3	Eugerres plumieri	14.57
Downstream	Period 3	Bairdiella chrysoura	12.73
Downstream	Period 3	Oligoplites saurus	9.67
Downstream	Period 3	Sciaenops ocellatus	8.53
Downstream	Period 3	Elops saurus	7.45
Downstream	Period 3	Floridichthys carpio	6.43
Downstream	Period 3	Microgobius gulosus	5.94
Downstream	Period 3	Cichlasoma urophthalmus	5.88
Downstream	Period 3	Palaemonetes intermedius	4.57
Downstream	Period 3	Albula vulpes	4.46
Downstream	Period 3	Fundulus seminolis	4.41
Downstream	Period 3	Lepomis macrochirus	4.41
Downstream	Period 3	Eucinostomus gula	4.24
Downstream	Period 3	Sarotherodon melanotheron	4.04
Downstream	Period 3	Micropterus salmoides	3.68
Downstream	Period 3	Trinectes maculatus	3.65
Downstream	Period 3	Gobiosoma bosc	3.52
Downstream	Period 3	Opisthonema oglinum	3.52
Downstream	Period 3	Cynoscion nebulosus	3.09
Downstream	Period 3	Strongylura notata	2.94
Downstream	Period 3	Strongylura sp.	2.72
Downstream	Period 3	Centropomus undecimalis	2.46
Downstream	Period 3	Strongylura marina	2.41
Downstream	Period 3	Callinectes sapidus	2.22
Downstream	Period 3	Mugil trichodon	2.21
Downstream	Period 3	Synodus foetens	2.13
Downstream	Period 3	Cynoscion arenarius	2.07

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Downstream	Period 3	Gobiosoma sp.	2.02
Downstream	Period 3	Strongylura timucu	1.96
Downstream	Period 3	Bathygobius soporator	1.84
Downstream	Period 3	Lutjanus griseus	1.84
Downstream	Period 3	Chloroscombrus chrysurus	1.57
Downstream	Period 3	Chasmodes saburrae	1.47
Downstream	Period 3	Fundulus confluentus	1.47
Downstream	Period 3	Heterandria formosa	1.47
Downstream	Period 3	Labidesthes sicculus	1.47
Downstream	Period 3	Lepisosteus osseus	1.47
Downstream	Period 3	Lucania goodei	1.47
Downstream	Period 3	Lupinoblennius nicholsi	1.47
Downstream	Period 3	Menticirrhus saxatilis	1.47
Downstream	Period 3	Oreochromis/Sarotherodon spp.	1.47
Downstream	Period 3	Pomatomus saltatrix	1.47
Downstream	Period 3	Tilapia sp.	1.47
Downstream	Period 3	Achirus lineatus	1.44
Downstream	Period 3	Orthopristis chrysoptera	1.41
Downstream	Period 3	Farfantepenaeus duorarum	1.17
Downstream	Period 3	Lophogobius cyprinoides	1.12
Downstream	Period 3	Menticirrhus americanus	1.11
Downstream	Period 3	Syngnathus scovelli	0.79
Downstream	Period 3	Opsanus beta	0.79
Downstream	Period 3	Gobiesox strumosus	0.77
Downstream	Period 3	Prionotus scitulus	0.53
Downstream	Period 3	Archosargus probatocephalus	0.49
Downstream	Period 3	Ariopsis felis	0.47
Downstream	Period 3	Chaetodipterus faber	0.45
Downstream	Period 3	Sphoeroides nephelus	0.44
Downstream	Period 3	Alpheidae	0.41
Downstream	Period 3	Syngnathus louisianae	0.27
Downstream	Period 3	Gymnura micrura	0.27
Downstream	Period 3	Limulus polyphemus	0.26
Downstream	Period 3	Dasyatis sabina	0.25
Downstream	Period 3	Paralichthys albigutta	0.25
Downstream	Period 3	Portunus sp.	0.23
Downstream	Period 3	Micropogonias undulatus	0.22
Downstream	Period 3	Prionotus tribulus	0.18
Downstream	Period 3	Stephanolepis hispidus	0.18
Downstream	Period 3	Symphurus plagiosa	0.16
Downstream	Period 3	Menippe sp.	0.16
Downstream	Period 3	Chilomycterus schoepfii	0.15
Downstream	Period 3	Gobiosoma longipala	0.15
Downstream	Period 3	Pogonias cromis	0.15
Downstream	Period 3	Microgobius thalassinus	0.15
Downstream	Period 3	Syngnathus floridae	0.14
Downstream	Period 3	Bagre marinus	0.14
Downstream	Period 3	Hypsoblennius hentz	0.13
Downstream	Period 3	Menticirrhus sp.	0.13
Downstream	Period 3	Urophycis floridana	0.13
Downstream	Period 3	Dorosoma cepedianum	0.12
Downstream	Period 3	Dorosoma petenense	0.12
Downstream	Period 3	No fish	0.00
Upper	Period 4	Menidia sp.	707.35
Upper	Period 4	Lepomis macrochirus	34.80
Upper	Period 4	Lucania parva	27.94
Upper	Period 4	Anchoa mitchilli	15.44

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Upper	Period 4	Lepomis microlophus	10.29
Upper	Period 4	Gambusia holbrooki	6.37
Upper	Period 4	Micropterus salmoides	3.68
Upper	Period 4	Trinectes maculatus	3.57
Upper	Period 4	Palaemonetes paludosus	2.94
Upper	Period 4	Fundulus seminolis	2.21
Upper	Period 4	Gobiosoma sp.	1.47
Upper	Period 4	Lepomis auritus	1.47
Upper	Period 4	Lepomis punctatus	1.47
Upper	Period 4	Lucania goodei	1.47
Upper	Period 4	Pseudemys nelsoni	1.47
Middle	Period 4	Anchoa mitchilli	1186.76
Middle	Period 4	Microgobius gulosus	29.41
Middle	Period 4	Lucania parva	16.18
Middle	Period 4	Palaemonetes pugio	6.37
Middle	Period 4	Gobiosoma bosc	5.88
Middle	Period 4	Trinectes maculatus	5.88
Middle	Period 4	Lepomis auritus	4.41
Middle	Period 4	Callinectes sapidus	2.94
Middle	Period 4	Gambusia holbrooki	2.94
Middle	Period 4	Cynoscion nebulosus	1.47
Middle	Period 4	Menidia sp.	1.47
Middle	Period 4	Oreochromis/Sarotherodon spp.	1.47
Middle	Period 4	Palaemonetes paludosus	1.47
Lower	Period 4	Menidia sp.	229.12
Lower	Period 4	Gambusia holbrooki	72.06
Lower	Period 4	Palaemonetes pugio	52.45
Lower	Period 4	Trinectes maculatus	15.59
Lower	Period 4	Eucinostomus harengulus	10.29
Lower	Period 4	Eugerres plumieri	9.93
Lower	Period 4	Gobiosoma sp.	9.80
Lower	Period 4	Fundulus confluentus	9.56
Lower	Period 4	Lepomis macrochirus	8.09
Lower	Period 4	Lepomis microlophus	6.37
Lower	Period 4	Lucania parva	5.51
Lower	Period 4	Gobiosoma bosc	4.71
Lower	Period 4	Eucinostomus sp.	4.41
Lower	Period 4	Heterandria formosa	4.41
Lower	Period 4	Poecilia latipinna	3.43
Lower	Period 4	Cyprinodon variegatus	2.94
Lower	Period 4	Fundulus seminolis	2.94
Lower	Period 4	Labidesthes sicculus	2.94
Lower	Period 4	Mugil cephalus	2.94
Lower	Period 4	Oreochromis/Sarotherodon spp.	2.94
Lower	Period 4	Microgobius gulosus	2.57
Lower	Period 4	Fundulus grandis	2.21
Lower	Period 4	Leiostomus xanthurus	2.21
Lower	Period 4	Anchoa mitchilli	1.47
Lower	Period 4	Archosargus probatocephalus	1.47
Lower	Period 4	Callinectes sapidus	1.47
Lower	Period 4	Cynoscion nebulosus	1.47
Lower	Period 4	Palaemonetes sp.	1.47
Downstream	Period 4	Anchoa mitchilli	2917.31
Downstream	Period 4	Menidia sp.	197.43
Downstream	Period 4	Anchoa hepsetus	46.34
Downstream	Period 4	Eucinostomus sp.	42.30
Downstream	Period 4	Palaemonetes pugio	37.25

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Downstream	Period 4	Membras martinica	23.53
Downstream	Period 4	Mugil cephalus	15.74
Downstream	Period 4	Fundulus grandis	14.34
Downstream	Period 4	Leiostomus xanthurus	13.65
Downstream	Period 4	Gobiosoma sp.	13.62
Downstream	Period 4	Brevoortia sp.	12.01
Downstream	Period 4	Eugerres plumieri	10.71
Downstream	Period 4	Eucinostomus harengulus	10.55
Downstream	Period 4	Poecilia latipinna	10.29
Downstream	Period 4	Microgobius gulosus	10.19
Downstream	Period 4	Bairdiella chrysoura	9.24
Downstream	Period 4	Eucinostomus gula	8.95
Downstream	Period 4	Anchoa sp.	8.82
Downstream	Period 4	Lucania parva	8.24
Downstream	Period 4	Cyprinodon variegatus	7.98
Downstream	Period 4	Palaemonetes intermedius	7.40
Downstream	Period 4	Oligoplites saurus	7.06
Downstream	Period 4	Trinectes maculatus	6.83
Downstream	Period 4	Fundulus similis	4.41
Downstream	Period 4	Gambusia holbrooki	3.82
Downstream	Period 4	Strongylura timucu	3.19
Downstream	Period 4	Lepomis macrochirus	2.94
Downstream	Period 4	Micropogonias undulatus	2.94
Downstream	Period 4	Strongylura marina	2.70
Downstream	Period 4	Gobiosoma bosc	2.19
Downstream	Period 4	Cynoscion nebulosus	1.96
Downstream	Period 4	Cynoscion arenarius	1.95
Downstream	Period 4	Lagodon rhomboides	1.56
Downstream	Period 4	Bathygobius soporator	1.47
Downstream	Period 4	Elops saurus	1.47
Downstream	Period 4	Fundulus confluentus	1.47
Downstream	Period 4	Lophogobius cyprinoides	1.47
Downstream	Period 4	Sciaenops ocellatus	1.47
Downstream	Period 4	Strongylura sp.	1.47
Downstream	Period 4	Synodus foetens	1.47
Downstream	Period 4	Callinectes sapidus	0.76
Downstream	Period 4	Archosargus probatocephalus	0.68
Downstream	Period 4	Ariopsis felis	0.63
Downstream	Period 4	Orthopristis chrysoptera	0.58
Downstream	Period 4	Menticirrhus americanus	0.46
Downstream	Period 4	Opsanus beta	0.40
Downstream	Period 4	Gobiesox strumosus	0.38
Downstream	Period 4	Farfantepenaeus duorarum	0.34
Downstream	Period 4	Syngnathus louisianae	0.33
Downstream	Period 4	Chaetodipterus faber	0.27
Downstream	Period 4	Prionotus scitulus	0.14
Downstream	Period 4	Syngnathus scovelli	0.14
Downstream	Period 4	Sphoeroides nephelus	0.14
Downstream	Period 4	Paralichthys albigutta	0.14
Downstream	Period 4	Bagre marinus	0.13
Downstream	Period 4	Menticirrhus saxatilis	0.13
Downstream	Period 4	No fish	0.00
Upper	Period 5	Menidia beryllina	338.66
Upper	Period 5	Anchoa mitchilli	31.62
Upper	Period 5	Gambusia holbrooki	27.75
Upper	Period 5	Fundulus seminolis	13.01
Upper	Period 5	Eucinostomus harengulus	7.91

Upper	Period 5	Lucania parva	7.45
Upper	Period 5	Trinectes maculatus	7.00
Upper	Period 5	Micropterus salmoides	6.69
Upper	Period 5	Lucania goodei	6.36
Upper	Period 5	Lepomis macrochirus	5.51
Upper	Period 5	Etheostoma fusiforme	3.70
Upper	Period 5	Lepomis microlophus	1.75
Upper	Period 5	Labidesthes vanhyningi	1.47
Upper	Period 5	Lepomis punctatus	1.47
Upper	Period 5	Mugil cephalus	1.47
Upper	Period 5	Notropis sp.	1.47
Upper	Period 5	Poecilia latipinna	1.47
Upper	Period 5	Gobiosoma bosc	1.16
Upper	Period 5	Lepomis auritus	0.99
Upper	Period 5	Heterandria formosa	0.05
Upper	Period 5	Palaemonetes paludosus	0.05
Upper	Period 5	Strongylura marina	0.05
Upper	Period 5	Ameiurus catus	0.03
Upper	Period 5	Callinectes sapidus	0.03
Upper	Period 5	Pterygoplichthys sp.	0.03
Middle	Period 5	Menidia beryllina	272.14
Middle	Period 5	Anchoa mitchilli	151.47
Middle	Period 5	Trinectes maculatus	15.55
Middle	Period 5	Lepisosteus osseus	8.82
Middle	Period 5	Fundulus seminolis	8.64
Middle	Period 5	Eucinostomus harengulus	7.83
Middle	Period 5	Gobiosoma bosc	7.20
Middle	Period 5	Lepomis macrochirus	6.86
Middle	Period 5	Gambusia holbrooki	4.58
Middle	Period 5	Microgobius gulosus	4.18
Middle	Period 5	Micropterus salmoides	3.82
Middle	Period 5	Cyprinidae sp. (likely Opsopoeodus)	2.94
Middle	Period 5	Eugerres plumieri	2.94
Middle	Period 5	Lepomis microlophus	2.94
Middle	Period 5	Pterygoplichthys disjunctivus	2.94
Middle	Period 5	Brevoortia sp.	1.47
Middle	Period 5	Gobiosoma robustum	1.47
Middle	Period 5	Labidesthes vanhyningi	1.47
Middle	Period 5	Lucania parva	1.47
Middle	Period 5	Mugil curema	1.47
Middle	Period 5	Oligoplites saurus	1.47
Middle	Period 5	Oreochromis aureus	1.47
Middle	Period 5	Strongylura marina	0.99
Middle	Period 5	Lophogobius cyprinoides	0.53
Middle	Period 5	Mugil cephalus	0.12
Middle	Period 5	Fundulus confluentus	0.10
Middle	Period 5	Heterandria formosa	0.08
Middle	Period 5	Leiostomus xanthurus	0.08
Middle	Period 5	Callinectes sapidus	0.04
Middle	Period 5	Fundulus chrysotus	0.03
Middle	Period 5	Oreochromis sp.	0.03
Middle	Period 5	Poecilia latipinna	0.03
Lower	Period 5	Menidia beryllina	3000.08
Lower	Period 5	Anchoa mitchilli	418.38
Lower	Period 5	Mugil curema	82.35
Lower	Period 5	Eucinostomus harengulus	62.45
Lower	Period 5	Lucania parva	56.42

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Lower	Period 5	Mugil cephalus	51.21
Lower	Period 5	Gambusia holbrooki	46.83
Lower	Period 5	Microgobius gulosus	37.26
Lower	Period 5	Mayaheros urophthalmus	33.10
Lower	Period 5	Elops saurus	17.65
Lower	Period 5	Lophogobius cyprinoides	14.71
Lower	Period 5	Fundulus grandis	12.22
Lower	Period 5	Penaeid sp.	11.76
Lower	Period 5	Poecilia latipinna	11.76
Lower	Period 5	Leiostomus xanthurus	11.39
Lower	Period 5	Gobiosoma bosc	11.28
Lower	Period 5	Micropterus salmoides	9.19
Lower	Period 5	Lucania goodei	7.36
Lower	Period 5	Trinectes maculatus	6.73
Lower	Period 5	Arias felis	5.88
Lower	Period 5	Eugerres plumieri	3.69
Lower	Period 5	Lepomis microlophus	2.94
Lower	Period 5	Fundulus seminolis	2.90
Lower	Period 5	Strongylura marina	2.45
Lower	Period 5	Brevoortia sp.	1.47
Lower	Period 5	Cynoscion nebulosus	1.47
Lower	Period 5	Notropis sp.	1.47
Lower	Period 5	Oligoplites saurus	1.47
Lower	Period 5	Syngnathus scovelli	1.47
Lower	Period 5	Centropomus undecimalis	0.75
Lower	Period 5	Sciaenops ocellatus	0.06
Lower	Period 5	Callinectes sapidus	0.05
Lower	Period 5	Oreochromis sp.	0.03
Lower	Period 5	Palaemonetes pugio	0.03

5.2.1.4 Overall Taxon Density with columns of MFL period and river segment density

Final Taxa	Avg Density	Period 1 Upper	Period 1 Middle	Period 1 Lower	Period 1 Downstream	Period 2 Upper	Period 2 Middle	Period 2 Lower	Period 2 Downstream	Period 3 Upper	Period 3 Middle	Period 3 Lower	Period 3 Downstream	Period 4 Upper	Period 4 Middle	Period 4 Lower	Period 4 Downstream	Period 5 Upper	Period 5 Middle	Period 5 Lower
Anchoa mitchilli	2030.00	105.64	41.9	2391.39	2228.69	2.2	332.0	246.93	2381.96	6.9	2614.0	1052.9	2071.75	15.4	1186.8	1.5	2917.31	31.62	151.47	418.38
Menidia beryllina	1264.25	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	338.66	272.14	3000.08
Menidia sp.	537.32	186.76	3007.9	1056.97	482.25	209.9	694.2	825.44	731.66	66.0	31.2	149.8	162.23	707.4	1.5	229.1	197.43	0.00	0.00	0.00
Brevoortia sp.	395.28	59.56	4129.8	323.18	271.29	0.0	301.5	65.44	102.79	1.5	24.0	159.1	97.30	0.0	0.0	0.0	12.01	0.00	1.47	1.47
Opisthonema oglinum	319.77	0.00	0.0	0.00	0.00	0.0	0.0	0.00	636.03	0.0	0.0	0.0	3.52	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Palaemonetes pugio	199.60	589.15	1355.4	847.61	457.57	34.2	87.5	170.41	85.96	10.7	13.6	177.7	105.71	0.0	6.4	52.5	37.25	0.00	0.00	0.03
Harengula jaguana	134.11	0.00	0.0	0.00	0.00	0.0	1.5	0.00	112.44	0.0	0.0	0.0	163.70	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Mugil cephalus	113.38	0.00	7.3	23.53	173.90	0.0	1.5	64.71	84.99	0.0	2.0	199.3	181.84	0.0	0.0	2.9	15.74	1.47	0.12	51.21
Palaemonetes sp.	108.02	0.00	0.0	33.82	163.66	0.0	0.0	0.00	3.68	0.0	0.0	0.0	0.00	0.0	0.0	1.5	0.00	0.00	0.00	0.00
Anchoa hepsetus	106.73	4.41	0.0	1.47	148.90	0.0	1.5	57.35	26.42	0.0	0.0	0.0	165.88	0.0	0.0	0.0	46.34	0.00	0.00	0.00
Leiostomus xanthurus	88.66	2.94	82.3	168.53	326.16	3.4	11.8	24.26	17.39	0.0	4.4	8.5	17.04	0.0	0.0	2.2	13.65	0.00	0.08	11.39
Gambusia holbrooki	83.47	281.83	422.2	43.01	16.10	83.8	117.6	42.89	23.76	74.8	122.2	100.8	18.68	6.4	2.9	72.1	3.82	27.75	4.58	46.83
Eucinostomus sp.	72.06	0.00	3.7	12.35	7.49	0.0	19.5	20.59	38.35	4.4	30.3	67.7	123.68	0.0	0.0	4.4	42.30	0.00	0.00	0.00
Lucania parva	66.52	227.74	87.7	82.13	46.55	233.7	37.0	47.07	57.12	85.1	46.6	71.5	42.57	27.9	16.2	5.5	8.24	7.45	1.47	56.42
Membras martinica	47.60	0.00	0.0	0.00	52.70	0.0	0.0	0.00	7.35	0.0	0.0	0.0	58.46	0.0	0.0	0.0	23.53	0.00	0.00	0.00
Poecilia latipinna	39.91	82.17	265.9	29.51	33.09	38.2	14.3	37.06	23.06	4.4	3.8	31.0	23.86	0.0	0.0	3.4	10.29	1.47	0.03	11.76
Fundulus similis	36.76	0.00	0.0	1.47	60.12	0.0	0.0	0.00	40.06	0.0	0.0	1.5	18.45	0.0	0.0	0.0	4.41	0.00	0.00	0.00
Cyprinodon variegatus	36.28	3.92	3.3	14.44	37.69	38.0	30.0	47.40	53.36	3.9	5.6	23.8	28.90	0.0	0.0	2.9	7.98	0.00	0.00	0.00
Eucinostomus harengulus	35.61	0.00	10.3	8.46	21.49	14.0	15.8	13.04	46.41	3.9	12.4	31.0	45.46	0.0	0.0	10.3	10.55	7.91	7.83	62.45
Mugil curema	35.11	0.00	0.0	0.00	0.00	0.0	0.0	0.00	13.97	0.0	0.0	0.0	28.92	0.0	0.0	0.0	0.00	0.00	1.47	82.35
Mayaheros urophthalmus	33.10	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.00	33.10
Microgobius gulosus	32.46	34.56	7.3	14.81	26.98	12.5	19.9	13.19	54.76	0.0	5.2	1.9	5.94	0.0	29.4	2.6	10.19	0.00	4.18	37.26
Sardinella aurita	27.45	0.00	0.0	0.00	0.00	0.0	0.0	0.00	27.45	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Mugil sp.	25.00	0.00	0.0	0.00	33.82	0.0	0.0	0.00	7.35	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Lagodon rhomboides	24.91	0.00	0.0	3.68	64.87	0.0	0.0	1.47	6.93	1.5	2.9	3.2	15.46	0.0	0.0	0.0	1.56	0.00	0.00	0.00
Fundulus grandis	21.66	1.47	5.9	24.06	40.95	4.9	5.2	12.66	25.78	0.0	0.0	5.9	15.54	0.0	0.0	2.2	14.34	0.00	0.00	12.22
Palaemonetes intermedius	19.09	0.00	0.0	0.00	108.82	0.0	0.0	0.00	24.81	0.0	0.0	0.0	4.57	0.0	0.0	0.0	7.40	0.00	0.00	0.00
Tilapia sp.	17.59	12.28	28.3	11.27	0.00	42.8	27.1	9.56	6.51	0.0	5.3	12.9	1.47	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Oreochromis aureus	16.67	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	29.4	19.1	0.00	0.0	0.0	0.0	0.00	0.00	1.47	0.00
Labidesthes sicculus	14.89	0.00	0.0	0.00	0.00	17.0	7.6	1.47	0.00	6.5	62.2	2.9	1.47	0.0	0.0	2.9	0.00	0.00	0.00	0.00
Notropis petersoni	14.71	0.00	0.0	0.00	0.00	18.6	2.9	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00

Notropis maculatus	11.76	0.00	0.0	0.00	0.00	11.8	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Penaeid sp.	11.76	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.00	11.76
Eucinostomus gula	10.70	0.00	0.0	1.47	19.28	0.0	0.0	0.00	26.84	0.0	0.0	0.0	4.24	0.0	0.0	0.0	8.95	0.00	0.00	0.00
Elops saurus	9.96	9.80	9.6	12.87	3.43	2.9	13.2	10.08	13.31	0.0	0.0	5.5	7.45	0.0	0.0	0.0	1.47	0.00	0.00	17.65
Fundulus seminolis	9.91	0.00	0.0	0.00	0.00	17.8	5.2	3.68	1.47	15.8	15.7	6.8	4.41	2.2	0.0	2.9	0.00	13.01	8.64	2.90
Floridichthys carpio	9.48	0.00	0.0	0.00	0.00	0.0	0.0	7.35	13.05	0.0	0.0	0.0	6.43	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Bairdiella chrysoura	9.45	0.00	0.0	0.00	5.88	0.0	0.0	0.00	6.59	0.0	0.0	0.0	12.73	0.0	0.0	0.0	9.24	0.00	0.00	0.00
Eugerres plumieri	8.86	0.00	9.2	10.94	5.88	1.5	4.9	5.15	9.05	0.0	16.7	8.1	14.57	0.0	0.0	9.9	10.71	0.00	2.94	3.69
Anchoa sp.	8.82	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	8.82	0.00	0.00	0.00
Lepomis macrochirus	8.77	3.68	1.5	0.00	0.00	12.1	3.8	1.96	1.84	2.6	12.9	2.9	4.41	34.8	0.0	8.1	2.94	5.51	6.86	0.00
Sciaenops ocellatus	8.54	0.00	5.4	1.47	19.18	0.0	0.0	1.47	4.99	0.0	0.0	2.0	8.53	0.0	0.0	0.0	1.47	0.00	0.00	0.06
Oligoplites saurus	8.47	1.47	1.5	3.43	7.14	1.5	1.5	4.41	10.62	0.0	0.0	0.0	9.67	0.0	0.0	0.0	7.06	0.00	1.47	1.47
Trinectes maculatus	8.11	16.70	14.2	25.12	10.36	7.6	10.0	10.43	6.84	9.0	5.9	14.0	3.65	3.6	5.9	15.6	6.83	7.00	15.55	6.73
Gobiosoma sp.	6.38	17.33	1.5	3.68	7.61	6.6	2.1	5.25	7.29	0.0	1.8	5.9	2.02	1.5	0.0	9.8	13.62	0.00	0.00	0.00
Gobiosoma bosc	6.08	15.20	2.0	11.76	5.36	2.9	10.4	9.45	7.45	2.2	2.2	3.9	3.52	0.0	5.9	4.7	2.19	1.16	7.20	11.28
Sarotherodon melanothron	6.03	0.00	0.0	0.00	0.00	1.5	0.0	0.15	1.47	0.0	6.6	32.4	4.04	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Micropterus salmoides	5.90	0.00	0.0	0.00	0.00	11.9	3.6	3.43	2.94	9.4	3.1	4.7	3.68	3.7	0.0	0.0	0.00	6.69	3.82	9.19
Arias felis	5.88	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.00	5.88
Cichlasoma urophthalmus	5.88	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	0.0	0.0	5.88	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Strongylura notata	5.48	0.00	0.0	0.00	2.21	0.0	0.0	0.00	7.25	0.0	0.0	0.0	2.94	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Lepomis microlophus	5.06	0.00	2.9	0.00	0.00	7.0	5.9	1.47	0.00	2.2	3.8	1.5	0.00	10.3	0.0	6.4	0.00	1.75	2.94	2.94
Dorosoma petenense	4.45	0.00	0.0	0.00	1.47	11.8	0.0	0.00	0.00	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Lucania goodei	4.27	1.47	0.0	0.00	0.00	5.9	0.0	6.86	2.21	0.0	2.9	1.5	1.47	1.5	0.0	0.0	0.00	6.36	0.00	7.36
Cynoscion arenarius	3.87	0.00	2.9	6.74	6.74	1.5	0.0	0.80	3.84	0.0	0.0	0.0	2.07	0.0	0.0	0.0	1.95	0.00	0.00	0.00
Albula vulpes	3.56	0.00	0.0	0.00	1.47	0.0	0.0	0.00	2.94	0.0	0.0	0.0	4.46	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Rhinoptera bonasus	3.47	0.00	0.0	0.00	3.47	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Lepomis sp.	3.43	0.00	0.0	0.00	0.00	4.9	1.5	0.00	2.94	0.0	1.5	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Gobiosoma robustum	3.21	11.13	0.0	0.00	1.03	0.0	0.0	0.00	1.95	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	1.47	0.00
Fundulus confluentus	3.21	1.47	5.9	0.00	0.00	1.5	4.0	0.00	0.00	1.5	1.5	1.5	1.47	0.0	0.0	9.6	1.47	0.00	0.10	0.00
Etheostoma fusiforme	3.19	0.00	0.0	0.00	0.00	1.5	0.0	0.00	0.00	1.5	4.4	0.0	0.00	0.0	0.0	0.0	0.00	3.70	0.00	0.00
Cynoscion nebulosus	3.15	0.00	0.0	2.21	1.65	0.0	0.0	1.47	5.34	0.0	0.0	1.5	3.09	0.0	1.5	1.5	1.96	0.00	0.00	1.47
Pogonias cromis	2.96	0.00	0.0	0.00	3.57	0.0	0.0	0.00	1.47	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Cyprinidae sp. (likely Opsopoeodus)	2.94	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	2.94	0.00
Mugil trichodon	2.94	0.00	0.0	0.00	4.41	0.0	0.0	0.00	0.00	0.0	0.0	0.0	2.21	0.0	0.0	0.0	0.00	0.00	0.00	0.00

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Notemigonus crysoleucas	2.94	0.00	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0	2.9	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Strongylura timucu	2.82	0.00	1.5	2.94	2.41	0.0	19.1	1.47	2.65	0.0	1.5	1.5	1.96	0.0	0.0	0.0	3.19	0.00	0.00	0.00
Strongylura sp.	2.71	0.00	0.0	0.00	2.65	0.0	7.3	1.47	2.75	0.0	0.0	1.5	2.72	0.0	0.0	0.0	1.47	0.00	0.00	0.00
Lepomis punctatus	2.51	0.00	0.0	0.00	0.00	2.4	3.9	1.47	3.31	1.5	0.0	0.0	0.00	1.5	0.0	0.0	0.00	1.47	0.00	0.00
Centropomus undecimalis	2.34	0.00	0.0	8.82	1.47	0.0	1.5	2.21	2.45	0.0	1.5	4.4	2.46	0.0	0.0	0.0	0.00	0.00	0.00	0.75
Strongylura marina	2.29	0.00	0.0	0.00	2.31	0.0	2.9	0.00	2.41	0.0	0.0	2.2	2.41	0.0	0.0	0.0	2.70	0.05	0.99	2.45
Heterandria formosa	2.27	0.00	0.0	1.47	0.00	4.4	0.0	0.00	0.00	5.2	1.5	1.5	1.47	0.0	0.0	4.4	0.00	0.05	0.08	0.00
Chasmodes saburrae	2.21	0.00	0.0	0.00	0.00	0.0	0.0	0.00	2.94	0.0	0.0	0.0	1.47	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Lepisosteus platyrhincus	2.21	0.00	4.4	1.47	0.00	1.5	1.5	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Pterygoplichthys disjunctivus	2.21	0.00	0.0	0.00	0.00	1.5	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	2.94	0.00
Synodus foetens	2.19	0.00	0.0	0.00	2.21	0.0	0.0	0.00	2.24	0.0	0.0	0.0	2.13	0.0	0.0	0.0	1.47	0.00	0.00	0.00
Achirus lineatus	2.12	0.00	0.0	2.94	2.79	0.0	0.0	0.00	2.58	0.0	0.0	0.0	1.44	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Callinectes sapidus	1.90	0.00	1.5	6.72	2.06	0.0	2.9	0.83	1.55	0.0	1.5	1.5	2.22	0.0	2.9	1.5	0.76	0.03	0.04	0.05
Palaemonetes paludosus	1.84	1.47	0.0	0.00	0.00	1.5	2.9	0.00	0.00	0.0	0.0	1.5	0.00	2.9	1.5	0.0	0.00	0.05	0.00	0.00
Oreochromis/Sarotherodon spp.	1.84	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	0.0	1.5	1.47	0.0	1.5	2.9	0.00	0.00	0.00	0.00
Lophogobius cyprinoides	1.79	0.00	0.0	0.00	0.00	0.0	1.5	1.47	2.45	0.0	0.0	0.0	1.12	0.0	0.0	0.0	1.47	0.00	0.53	14.71
Lepisosteus osseus	1.70	0.00	0.0	0.00	0.00	1.5	0.0	0.14	0.81	0.0	0.0	0.0	1.47	0.0	0.0	0.0	0.00	0.00	8.82	0.00
Lutjanus griseus	1.68	0.00	0.0	0.00	1.47	0.0	0.0	0.00	1.47	0.0	0.0	0.0	1.84	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Amia calva	1.65	0.00	0.0	0.00	0.00	2.0	1.5	0.00	0.00	0.0	1.5	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Bathygobius soporator	1.65	0.00	0.0	0.00	0.00	0.0	0.0	0.00	1.47	0.0	0.0	0.0	1.84	0.0	0.0	0.0	1.47	0.00	0.00	0.00
Lepomis auritus	1.61	0.00	0.0	0.00	0.00	1.5	1.5	1.47	0.00	1.5	1.5	0.0	0.00	1.5	4.4	0.0	0.00	0.99	0.00	0.00
Menticirrhus americanus	1.58	0.00	0.0	0.15	3.70	0.0	0.0	0.00	1.17	0.0	0.0	0.0	1.11	0.0	0.0	0.0	0.46	0.00	0.00	0.00
Chelydra serpentina osceola	1.47	0.00	0.0	0.00	0.00	0.0	0.0	0.00	1.47	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Clupeidae sp.	1.47	0.00	0.0	0.00	0.00	0.0	0.0	0.00	1.47	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Dormitator maculatus	1.47	0.00	1.5	0.00	0.00	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Fundulus sp.	1.47	0.00	0.0	0.00	0.00	0.0	0.0	0.00	1.47	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Labidesthes vanhyningi	1.47	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	1.47	1.47	0.00
Lepomis marginatus	1.47	1.47	0.0	0.00	0.00	1.5	1.5	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Lupinoblennius nicholsi	1.47	0.00	0.0	0.00	0.00	0.0	0.0	0.00	1.47	0.0	0.0	0.0	1.47	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Notropis sp.	1.47	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	1.47	0.00	1.47
Palaemon floridanus	1.47	0.00	0.0	0.00	1.47	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00

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Pomatomus saltatrix	1.47	0.00	0.0	0.00	0.00	0.0	0.0	0.00	1.47	0.0	0.0	0.0	1.47	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Pomoxis nigromaculatus	1.47	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	1.5	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Trachemys scripta	1.47	0.00	0.0	0.00	0.00	1.5	0.0	0.00	1.47	1.5	0.0	1.5	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Syngnathus scovelli	1.42	0.00	0.0	2.94	1.53	0.0	1.5	1.47	1.59	0.0	0.0	2.2	0.79	0.0	0.0	0.0	0.14	0.00	0.00	1.47
Orthopristis chrysoptera	1.24	0.00	0.0	0.00	0.80	0.0	0.0	0.00	1.47	0.0	0.0	0.0	1.41	0.0	0.0	0.0	0.58	0.00	0.00	0.00
Farfantepenaeus duorarum	1.16	0.00	0.0	0.00	1.66	0.0	0.0	0.00	0.76	0.0	0.0	0.0	1.17	0.0	0.0	0.0	0.34	0.00	0.00	0.00
Chloroscombrus chrysurus	1.03	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.20	0.0	0.0	0.0	1.57	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Archosargus probatocephalus	0.94	0.93	1.5	4.04	1.14	1.5	0.0	2.94	0.87	0.0	0.0	1.5	0.49	0.0	0.0	1.5	0.68	0.00	0.00	0.00
Gobiesox strumosus	0.85	0.00	0.0	0.00	1.21	0.0	0.0	0.00	0.72	0.0	0.0	5.9	0.77	0.0	0.0	0.0	0.38	0.00	0.00	0.00
Menticirrhus saxatilis	0.80	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	0.0	0.0	1.47	0.0	0.0	0.0	0.13	0.00	0.00	0.00
Pseudemys nelsoni	0.80	0.00	0.0	0.00	0.00	0.0	0.0	0.12	0.00	0.0	0.0	0.0	0.00	1.5	0.0	0.0	0.00	0.00	0.00	0.00
Sphoeroides nephelus	0.78	0.00	0.0	0.00	1.52	0.0	0.0	0.00	0.39	0.0	0.0	0.0	0.44	0.0	0.0	0.0	0.14	0.00	0.00	0.00
Pterygoplichthys sp.	0.75	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	1.5	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.03	0.00	0.00
Opsanus beta	0.74	0.00	0.0	0.00	0.61	0.0	0.0	0.00	0.81	0.0	0.0	0.0	0.79	0.0	0.0	0.0	0.40	0.00	0.00	0.00
Micropogonias undulatus	0.67	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.40	0.0	0.0	0.0	0.22	0.0	0.0	0.0	2.94	0.00	0.00	0.00
Dasyatis say	0.59	0.00	0.0	0.00	1.47	0.0	0.0	0.00	0.15	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Syngnathus louisianae	0.54	0.00	0.0	0.00	0.88	1.5	0.0	0.00	0.72	0.0	0.0	0.0	0.27	0.0	0.0	0.0	0.33	0.00	0.00	0.00
Prionotus scitulus	0.52	0.00	0.0	0.00	0.75	0.0	0.0	0.00	0.21	0.0	0.0	0.0	0.53	0.0	0.0	0.0	0.14	0.00	0.00	0.00
Bagre marinus	0.52	0.00	0.0	0.00	0.69	0.0	0.0	0.00	0.68	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.13	0.00	0.00	0.00
Chaetodipterus faber	0.49	0.00	0.0	0.00	0.30	0.0	0.0	0.00	0.75	0.0	0.0	0.0	0.45	0.0	0.0	0.0	0.27	0.00	0.00	0.00
Stephanolepis hispidus	0.49	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.80	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Ariopsis felis	0.42	0.00	0.0	0.00	0.47	0.0	0.0	0.00	0.28	0.0	0.0	0.0	0.47	0.0	0.0	0.0	0.63	0.00	0.00	0.00
Alpheidae	0.35	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.20	0.0	0.0	0.0	0.41	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Limulus polyphemus	0.34	0.00	0.0	0.00	0.26	0.0	0.0	0.00	0.48	0.0	0.0	0.0	0.26	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Microgobius thalassinus	0.33	0.00	0.0	0.00	1.47	0.0	0.0	0.00	0.13	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Menippe mercenaria	0.28	0.00	0.0	0.00	0.28	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Portunus sp.	0.23	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Dasyatis sabina	0.23	0.00	0.0	0.00	0.17	0.0	0.0	0.00	0.23	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Symphurus plagiusa	0.23	0.00	0.0	0.00	0.40	0.0	0.0	0.00	0.13	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Gymnura micrura	0.20	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.16	0.0	0.0	0.0	0.27	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Menippe sp.	0.19	0.00	0.0	0.00	0.23	0.0	0.0	0.00	0.13	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Prionotus tribulus	0.19	0.00	0.0	0.00	0.11	0.0	0.0	0.00	0.22	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Paralichthys albigutta	0.17	0.00	0.0	0.00	0.20	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.14	0.00	0.00	0.00
Chilomycterus schoepfii	0.15	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.00	0.00	0.00	0.00

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Gobiosoma longipala	0.15	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Lysmata amboinensis	0.14	0.00	0.0	0.00	0.15	0.0	0.0	0.00	0.13	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Syngnathus floridae	0.14	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Hypsoblennius hentz	0.13	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Menticirrhus sp.	0.13	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Urophycis floridana	0.13	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Periclimenes longicaudatus	0.13	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.13	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Dorosoma cepedianum	0.12	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Echeneis naucrates	0.12	0.00	0.0	0.00	0.12	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Pseudemys peninsularis	0.12	0.00	0.0	0.00	0.00	0.0	0.0	0.12	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Ameiurus catus	0.03	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.03	0.00	0.00
Fundulus chrysotus	0.03	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.03	0.00
Oreochromis sp.	0.03	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.03	0.03
No fish	0.00	0.00	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00

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5.2.1.5 Summary statistics of density of organisms.

variable	n	min	max	median	q1	q3	iqr	mad	mean	sd	se	ci
result_100m2	9832	0	37779	2.9	1.5	19	18	4.1	164	1321	13	26

5.2.1.6 Summary statistics of densities by MFL Period

MFL Period	variable	n	min	max	median	q1	q3	iqr	mad	mean	sd	se	ci
Period 1	result_100m2	2015	0.00	36329	4.4	1.47	32.4	30.9	6.3	238	1666	37	73
Period 2	result_100m2	3703	0.00	26641	2.9	1.47	19.9	18.4	4.2	174	1183	19	38
Period 3	result_100m2	3150	0.00	37779	2.9	0.86	14.7	13.8	4.1	113	1219	22	43
Period 4	result_100m2	593	0.00	22682	2.9	1.47	8.8	7.3	3.9	111	1114	46	90
Period 5	result_100m2	371	0.03	22813	2.9	0.39	14.7	14.3	4.3	169	1607	83	164

5.2.1.7 Summary statistics of densities by River Segment

River Segment	variable	n	min	max	median	q1	q3	iqr	mad	mean	sd	se	ci
Upper	result_100m2	613	0	3659	5.9	1.5	26	25	6.5	63	264	11	21
Middle	result_100m2	732	0	36329	5.9	1.5	25	24	6.5	209	1763	65	128
Lower	result_100m2	1146	0	22813	5.9	1.5	34	32	6.5	162	1119	33	65
Downstream	result_100m2	7341	0	37779	2.9	0.9	16	15	4.1	168	1352	16	31

5.2.1.8 Summary statistics of densities by MFL period and River segment

River Segment	MFL Period	variable	n	min	max	median	q1	q3	iqr	mad	mean	sd	se	ci
Upper	Period 1	result_100m2	108	0.19	3612	22.1	2.94	142.3	139.3	30.5	145	405	38.9	77
Middle	Period 1	result_100m2	150	1.47	36329	13.2	2.94	129.8	126.8	17.4	680	3736	305.1	603
Lower	Period 1	result_100m2	232	0.00	14118	7.3	1.47	53.3	51.8	8.7	250	1202	78.9	156
Downstream	Period 1	result_100m2	1525	0.00	30969	2.9	1.47	23.5	22.1	4.1	200	1432	36.7	72
Upper	Period 2	result_100m2	237	0.00	2572	4.4	1.47	26.5	25.0	4.4	53	198	12.8	25
Middle	Period 2	result_100m2	274	0.00	7794	5.9	1.47	21.7	20.2	6.5	111	551	33.3	65
Lower	Period 2	result_100m2	398	0.00	6806	5.9	1.47	33.5	32.0	8.5	120	494	24.8	49
Downstream	Period 2	result_100m2	2794	0.00	26641	2.9	1.47	16.2	14.7	4.1	198	1336	25.3	50
Upper	Period 3	result_100m2	111	1.47	519	5.9	1.47	23.5	22.1	6.5	31	75	7.1	14
Middle	Period 3	result_100m2	183	1.47	7776	4.4	1.47	14.7	13.2	4.4	81	592	43.7	86
Lower	Period 3	result_100m2	288	0.00	7012	5.9	1.47	35.7	34.2	6.5	87	453	26.7	52
Downstream	Period 3	result_100m2	2568	0.00	37779	1.5	0.41	13.2	12.8	2.0	122	1332	26.3	52
Upper	Period 4	result_100m2	41	1.47	707	2.9	1.47	8.8	7.3	2.2	27	110	17.2	35

Middle	Period 4	result_100m2	19	1.47	1187	4.4	1.47	8.8	7.3	4.4	69	271	62.1	131
Lower	Period 4	result_100m2	79	1.47	818	4.4	1.47	12.5	11.0	4.4	25	95	10.7	21
Downstream	Period 4	result_100m2	454	0.00	22682	1.5	0.45	8.8	8.4	2.0	135	1270	59.6	117
Upper	Period 5	result_100m2	116	0.03	3659	1.5	0.21	12.1	11.9	2.1	50	348	32.3	64
Middle	Period 5	result_100m2	106	0.03	965	1.7	0.46	9.9	9.5	2.5	44	150	14.5	29
Lower	Period 5	result_100m2	149	0.03	22813	4.4	1.12	22.1	20.9	6.5	349	2509	205.5	406

5.2.1.9 Summary statistics of density of organisms by river segment and MFL period

River Segment	MFL Period	variable	n	min	max	median	q1	q3	iqr	mad	mean	sd	se	ci
Upper	Period 1	result_100m2	108	0.19	3612	22.1	2.94	142.3	139.3	30.5	145	405	38.9	77
Upper	Period 2	result_100m2	237	0.00	2572	4.4	1.47	26.5	25.0	4.4	53	198	12.8	25
Upper	Period 3	result_100m2	111	1.47	519	5.9	1.47	23.5	22.1	6.5	31	75	7.1	14
Upper	Period 4	result_100m2	41	1.47	707	2.9	1.47	8.8	7.3	2.2	27	110	17.2	35
Upper	Period 5	result_100m2	116	0.03	3659	1.5	0.21	12.1	11.9	2.1	50	348	32.3	64
Middle	Period 1	result_100m2	150	1.47	36329	13.2	2.94	129.8	126.8	17.4	680	3736	305.1	603
Middle	Period 2	result_100m2	274	0.00	7794	5.9	1.47	21.7	20.2	6.5	111	551	33.3	65
Middle	Period 3	result_100m2	183	1.47	7776	4.4	1.47	14.7	13.2	4.4	81	592	43.7	86
Middle	Period 4	result_100m2	19	1.47	1187	4.4	1.47	8.8	7.3	4.4	69	271	62.1	131
Middle	Period 5	result_100m2	106	0.03	965	1.7	0.46	9.9	9.5	2.5	44	150	14.5	29
Lower	Period 1	result_100m2	232	0.00	14118	7.3	1.47	53.3	51.8	8.7	250	1202	78.9	156
Lower	Period 2	result_100m2	398	0.00	6806	5.9	1.47	33.5	32.0	8.5	120	494	24.8	49
Lower	Period 3	result_100m2	288	0.00	7012	5.9	1.47	35.7	34.2	6.5	87	453	26.7	52
Lower	Period 4	result_100m2	79	1.47	818	4.4	1.47	12.5	11.0	4.4	25	95	10.7	21
Lower	Period 5	result_100m2	149	0.03	22813	4.4	1.12	22.1	20.9	6.5	349	2509	205.5	406
Downstream	Period 1	result_100m2	1525	0.00	30969	2.9	1.47	23.5	22.1	4.1	200	1432	36.7	72
Downstream	Period 2	result_100m2	2794	0.00	26641	2.9	1.47	16.2	14.7	4.1	198	1336	25.3	50
Downstream	Period 3	result_100m2	2568	0.00	37779	1.5	0.41	13.2	12.8	2.0	122	1332	26.3	52
Downstream	Period 4	result_100m2	454	0.00	22682	1.5	0.45	8.8	8.4	2.0	135	1270	59.6	117

5.2.1.10 Summary statistics of density by taxon, river segment, and MFL period

River Segment	MFL Period	Final Taxa	variable	n	min	max	median	q1	q3	iqr	mad	mean	sd	se	ci
Downstream	Period 4	Anchoa mitchilli	result_100m2	18	0.14	22682.35	77.94	5.88	3496.69	3490.81	114.36	2917.31	5816.87	1371.05	2892.66
Downstream	Period 4	Menidia sp.	result_100m2	24	1.47	3189.71	20.59	6.98	125.00	118.02	28.34	197.43	645.52	131.77	272.58
Downstream	Period 4	Anchoa hepsetus	result_100m2	8	0.15	251.47	10.29	4.41	31.98	27.57	10.90	46.34	85.91	30.37	71.82
Downstream	Period 4	Eucinostomus sp.	result_100m2	21	1.47	257.35	19.12	4.41	35.29	30.88	23.98	42.30	67.40	14.71	30.68

Downstream	Period 4	Palaemonetes pugio	result_100m2	18	1.47	280.88	10.29	4.41	25.00	20.59	10.90	37.26	70.03	16.51	34.83
Downstream	Period 4	Membras martinica	result_100m2	1	23.53	23.53	23.53	23.53	23.53	0.00	0.00	23.53	NA	NA	NaN
Downstream	Period 4	Mugil cephalus	result_100m2	10	2.94	98.53	6.62	3.31	7.35	4.04	4.36	15.73	29.41	9.30	21.04
Downstream	Period 4	Fundulus grandis	result_100m2	4	2.94	26.47	13.97	6.25	22.06	15.81	13.08	14.34	11.03	5.52	17.55
Downstream	Period 4	Leiostomus xanthurus	result_100m2	16	0.12	147.06	1.47	0.15	5.88	5.74	2.00	13.65	36.37	9.09	19.38
Downstream	Period 4	Gobiosoma sp.	result_100m2	8	0.15	95.59	1.47	1.47	2.57	1.10	0.00	13.62	33.16	11.72	27.72
Downstream	Period 4	Brevoortia sp.	result_100m2	6	1.47	55.88	2.21	1.47	7.35	5.88	1.09	12.01	21.68	8.85	22.75
Downstream	Period 4	Eugerres plumieri	result_100m2	7	1.47	36.76	5.88	2.94	12.50	9.56	4.36	10.71	12.70	4.80	11.74
Downstream	Period 4	Eucinostomus harengulus	result_100m2	34	0.14	57.35	1.47	1.47	13.97	12.50	1.98	10.55	15.51	2.66	5.41
Downstream	Period 4	Poecilia latipinna	result_100m2	3	2.94	22.06	5.88	4.41	13.97	9.56	4.36	10.29	10.29	5.94	25.57
Downstream	Period 4	Microgobius gulosus	result_100m2	12	0.27	38.24	2.21	1.47	11.03	9.56	1.98	10.19	14.68	4.24	9.33
Downstream	Period 4	Bairdiella chrysoura	result_100m2	13	0.12	70.59	1.35	0.15	2.94	2.79	1.82	9.24	19.78	5.48	11.95
Downstream	Period 4	Eucinostomus gula	result_100m2	37	0.14	64.71	2.94	0.68	7.35	6.68	3.69	8.95	15.78	2.59	5.26
Downstream	Period 4	Anchoa sp.	result_100m2	1	8.82	8.82	8.82	8.82	8.82	0.00	0.00	8.82	NA	NA	NaN
Downstream	Period 4	Lucania parva	result_100m2	5	2.94	16.18	8.82	4.41	8.82	4.41	6.54	8.23	5.16	2.31	6.40
Downstream	Period 4	Cyprinodon variegatus	result_100m2	7	1.47	32.35	4.41	1.47	7.35	5.88	4.36	7.98	11.10	4.20	10.26
Downstream	Period 4	Palaemonetes intermedius	result_100m2	3	0.15	16.18	5.88	3.02	11.03	8.01	8.50	7.40	8.12	4.69	20.17
Downstream	Period 4	Oligoplites saurus	result_100m2	10	1.47	19.12	2.94	1.84	13.23	11.40	2.18	7.06	7.39	2.34	5.29
Downstream	Period 4	Trinectes maculatus	result_100m2	36	0.12	77.94	1.47	0.27	4.78	4.51	1.98	6.83	16.20	2.70	5.48
Downstream	Period 4	Fundulus similis	result_100m2	1	4.41	4.41	4.41	4.41	4.41	0.00	0.00	4.41	NA	NA	NaN
Downstream	Period 4	Gambusia holbrooki	result_100m2	5	1.47	10.29	1.47	1.47	4.41	2.94	0.00	3.82	3.84	1.72	4.76
Downstream	Period 4	Strongylura timucu	result_100m2	6	1.47	5.88	2.21	1.47	5.15	3.68	1.09	3.19	2.16	0.88	2.27
Downstream	Period 4	Lepomis macrochirus	result_100m2	3	1.47	4.41	2.94	2.21	3.68	1.47	2.18	2.94	1.47	0.85	3.65
Downstream	Period 4	Micropogonias undulatus	result_100m2	1	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	NA	NA	NaN
Downstream	Period 4	Strongylura marina	result_100m2	6	1.47	7.35	1.47	1.47	2.57	1.10	0.00	2.70	2.36	0.96	2.47
Downstream	Period 4	Gobiosoma bosc	result_100m2	21	0.14	16.18	1.47	0.41	1.47	1.07	1.58	2.19	3.71	0.81	1.69
Downstream	Period 4	Cynoscion nebulosus	result_100m2	3	1.47	2.94	1.47	1.47	2.21	0.74	0.00	1.96	0.85	0.49	2.11
Downstream	Period 4	Cynoscion arenarius	result_100m2	4	0.15	5.88	0.88	0.26	2.57	2.31	0.98	1.95	2.69	1.34	4.28
Downstream	Period 4	Lagodon rhomboides	result_100m2	5	0.12	4.41	1.47	0.30	1.47	1.17	1.74	1.55	1.72	0.77	2.13
Downstream	Period 4	Bathygobius soporator	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Downstream	Period 4	Elops saurus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Downstream	Period 4	Fundulus confluentus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Downstream	Period 4	Lophogobius cyprinoides	result_100m2	3	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Downstream	Period 4	Sciaenops ocellatus	result_100m2	7	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Downstream	Period 4	Strongylura sp.	result_100m2	2	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Downstream	Period 4	Synodus foetens	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Downstream	Period 4	Callinectes sapidus	result_100m2	20	0.14	4.41	0.47	0.24	0.88	0.64	0.50	0.76	0.96	0.22	0.45

Downstream	Period 4	Archosargus probatocephalus	result_100m2	10	0.12	2.94	0.34	0.14	0.64	0.51	0.30	0.68	0.90	0.28	0.64
Downstream	Period 4	Ariopsis felis	result_100m2	3	0.14	1.62	0.14	0.14	0.88	0.74	0.00	0.63	0.86	0.50	2.13
Downstream	Period 4	Orthopristis chrysoptera	result_100m2	3	0.12	1.47	0.14	0.13	0.80	0.67	0.02	0.58	0.78	0.45	1.92
Downstream	Period 4	Menticirrhus americanus	result_100m2	5	0.14	1.47	0.27	0.14	0.30	0.16	0.20	0.46	0.57	0.25	0.71
Downstream	Period 4	Opsanus beta	result_100m2	7	0.14	1.47	0.14	0.14	0.39	0.25	0.00	0.40	0.49	0.18	0.45
Downstream	Period 4	Gobiosox strumosus	result_100m2	6	0.12	1.47	0.14	0.14	0.24	0.10	0.02	0.38	0.54	0.22	0.56
Downstream	Period 4	Farfantepenaeus duorarum	result_100m2	3	0.14	0.60	0.30	0.22	0.45	0.23	0.24	0.34	0.24	0.14	0.59
Downstream	Period 4	Syngnathus louisianae	result_100m2	7	0.14	1.47	0.14	0.14	0.15	0.01	0.00	0.33	0.50	0.19	0.47
Downstream	Period 4	Chaetodipterus faber	result_100m2	2	0.27	0.27	0.27	0.27	0.27	0.00	0.00	0.27	0.00	0.00	0.00
Downstream	Period 4	Prionotus scitulus	result_100m2	2	0.14	0.15	0.14	0.14	0.15	0.01	0.01	0.14	0.01	0.01	0.10
Downstream	Period 4	Syngnathus scovelli	result_100m2	2	0.14	0.15	0.14	0.14	0.15	0.01	0.01	0.14	0.01	0.01	0.10
Downstream	Period 4	Sphoeroides nephelus	result_100m2	3	0.14	0.15	0.14	0.14	0.14	0.01	0.00	0.14	0.01	0.00	0.02
Downstream	Period 4	Paralichthys albigutta	result_100m2	3	0.12	0.15	0.14	0.13	0.14	0.01	0.02	0.14	0.01	0.01	0.03
Downstream	Period 4	Bagre marinus	result_100m2	1	0.14	0.14	0.14	0.14	0.14	0.00	0.00	0.14	NA	NA	NaN
Downstream	Period 4	Menticirrhus saxatilis	result_100m2	1	0.14	0.14	0.14	0.14	0.14	0.00	0.00	0.14	NA	NA	NaN
Downstream	Period 4	No fish	result_100m2	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Downstream	Period 3	Anchoa mitchilli	result_100m2	107	0.14	37779.41	16.18	2.28	466.91	464.63	23.73	2071.75	6199.97	599.37	1188.32
Downstream	Period 3	Mugil cephalus	result_100m2	60	1.47	1892.65	24.26	4.41	127.57	123.16	33.80	181.84	369.48	47.70	95.45
Downstream	Period 3	Anchoa hepsetus	result_100m2	28	0.27	2067.65	24.26	2.57	159.19	156.62	35.58	165.88	394.72	74.60	153.06
Downstream	Period 3	Harengula jaguana	result_100m2	14	0.14	1326.47	1.47	1.47	102.57	101.10	1.90	163.70	364.84	97.51	210.65
Downstream	Period 3	Menidia sp.	result_100m2	158	0.14	1895.59	57.35	10.66	155.51	144.85	79.58	162.23	299.28	23.81	47.03
Downstream	Period 3	Eucinostomus sp.	result_100m2	121	0.14	2685.29	22.06	2.94	145.59	142.65	30.70	123.68	303.44	27.59	54.62
Downstream	Period 3	Palaemonetes pugio	result_100m2	105	0.14	2198.53	17.65	4.41	88.24	83.82	23.98	105.71	262.36	25.60	50.77
Downstream	Period 3	Brevoortia sp.	result_100m2	19	0.14	670.59	5.88	1.47	49.26	47.79	6.54	97.30	197.31	45.27	95.10
Downstream	Period 3	Membras martinica	result_100m2	4	1.47	120.59	55.88	3.68	110.66	106.98	78.49	58.46	64.34	32.17	102.38
Downstream	Period 3	Eucinostomus harengulus	result_100m2	147	0.12	519.12	11.77	1.47	38.24	36.76	16.64	45.47	93.58	7.72	15.26
Downstream	Period 3	Lucania parva	result_100m2	56	1.47	801.47	5.88	1.47	15.07	13.60	6.54	42.57	129.89	17.36	34.79
Downstream	Period 3	Mugil curema	result_100m2	3	22.06	41.18	23.53	22.79	32.35	9.56	2.18	28.92	10.64	6.14	26.43
Downstream	Period 3	Cyprinodon variegatus	result_100m2	60	1.47	207.35	9.56	2.57	38.60	36.03	11.99	28.90	42.73	5.52	11.04
Downstream	Period 3	Poecilia latipinna	result_100m2	45	1.47	175.00	4.41	2.94	17.65	14.71	4.36	23.86	41.84	6.24	12.57
Downstream	Period 3	Gambusia holbrooki	result_100m2	37	1.47	141.18	2.94	1.47	19.12	17.65	2.18	18.68	33.19	5.46	11.06
Downstream	Period 3	Fundulus similis	result_100m2	22	1.47	158.82	6.62	1.84	16.91	15.07	7.63	18.45	34.86	7.43	15.46
Downstream	Period 3	Leiostomus xanthurus	result_100m2	62	0.12	213.24	3.85	1.47	8.82	7.35	3.70	17.04	35.15	4.46	8.93
Downstream	Period 3	Fundulus grandis	result_100m2	39	1.47	69.12	7.35	2.94	20.59	17.65	8.72	15.54	18.34	2.94	5.95
Downstream	Period 3	Lagodon rhomboides	result_100m2	120	0.12	163.24	2.94	0.81	15.69	14.88	4.08	15.46	29.19	2.66	5.28
Downstream	Period 3	Eugerres plumieri	result_100m2	10	0.15	83.82	2.21	1.47	9.19	7.72	2.07	14.57	26.69	8.44	19.09
Downstream	Period 3	Bairdiella chrysoura	result_100m2	20	0.14	82.35	0.71	0.15	5.98	5.83	0.85	12.73	25.15	5.62	11.77

Downstream	Period 3	Oligoplites saurus	result_100m2	28	0.12	92.65	1.47	1.47	5.88	4.41	1.00	9.67	19.93	3.77	7.73
Downstream	Period 3	Sciaenops ocellatus	result_100m2	41	0.14	120.59	2.94	1.47	7.35	5.88	2.18	8.53	19.58	3.06	6.18
Downstream	Period 3	Elops saurus	result_100m2	15	1.47	22.06	5.88	2.94	9.56	6.62	4.36	7.45	6.77	1.75	3.75
Downstream	Period 3	Floridichthys carpio	result_100m2	8	1.47	27.94	3.68	1.47	5.88	4.41	3.27	6.43	8.89	3.14	7.43
Downstream	Period 3	Microgobius gulosus	result_100m2	56	0.12	94.12	1.47	0.30	2.94	2.64	1.90	5.94	15.68	2.10	4.20
Downstream	Period 3	Cichlasoma urophthalmus	result_100m2	1	5.88	5.88	5.88	5.88	5.88	0.00	0.00	5.88	NA	NA	NaN
Downstream	Period 3	Palaemonetes intermedius	result_100m2	24	0.14	25.00	2.94	1.47	4.78	3.31	2.18	4.57	5.79	1.18	2.44
Downstream	Period 3	Albula vulpes	result_100m2	3	0.14	11.77	1.47	0.80	6.62	5.82	1.98	4.46	6.36	3.67	15.81
Downstream	Period 3	Fundulus seminolis	result_100m2	5	1.47	13.23	2.94	1.47	2.94	1.47	2.18	4.41	4.99	2.23	6.19
Downstream	Period 3	Lepomis macrochirus	result_100m2	1	4.41	4.41	4.41	4.41	4.41	0.00	0.00	4.41	NA	NA	NaN
Downstream	Period 3	Eucinostomus gula	result_100m2	45	0.14	29.41	1.47	0.86	4.35	3.49	1.96	4.24	5.83	0.87	1.75
Downstream	Period 3	Sarotherodon melanothron	result_100m2	4	1.47	10.29	2.21	1.47	4.78	3.31	1.09	4.04	4.22	2.11	6.72
Downstream	Period 3	Micropterus salmoides	result_100m2	4	1.47	10.29	1.47	1.47	3.68	2.21	0.00	3.68	4.41	2.21	7.02
Downstream	Period 3	Trinectes maculatus	result_100m2	116	0.12	51.47	1.47	0.54	3.30	2.76	1.73	3.64	6.36	0.59	1.17
Downstream	Period 3	Gobiosoma bosc	result_100m2	100	0.12	48.53	1.47	0.27	2.94	2.67	1.78	3.52	7.79	0.78	1.55
Downstream	Period 3	Opisthonema oglinum	result_100m2	6	0.14	14.71	1.47	0.64	2.57	1.93	1.81	3.52	5.57	2.28	5.85
Downstream	Period 3	Cynoscion nebulosus	result_100m2	14	0.14	16.18	1.47	1.47	2.94	1.47	0.69	3.09	4.14	1.11	2.39
Downstream	Period 3	Strongylura notata	result_100m2	2	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	0.00	0.00	0.00
Downstream	Period 3	Strongylura sp.	result_100m2	6	0.14	5.88	2.21	1.47	4.04	2.57	2.08	2.72	2.13	0.87	2.24
Downstream	Period 3	Centropomus undecimalis	result_100m2	12	0.15	8.82	1.47	1.47	1.47	0.00	0.00	2.46	2.67	0.77	1.70
Downstream	Period 3	Strongylura marina	result_100m2	11	1.47	5.88	1.47	1.47	2.94	1.47	0.00	2.41	1.51	0.46	1.01
Downstream	Period 3	Callinectes sapidus	result_100m2	121	0.14	22.06	1.22	0.30	2.85	2.55	1.40	2.22	3.57	0.32	0.64
Downstream	Period 3	Mugil trichodon	result_100m2	4	1.47	4.41	1.47	1.47	2.21	0.74	0.00	2.21	1.47	0.74	2.34
Downstream	Period 3	Synodus foetens	result_100m2	8	0.15	4.41	2.21	0.39	3.31	2.92	2.77	2.12	1.79	0.63	1.50
Downstream	Period 3	Cynoscion arenarius	result_100m2	53	0.14	21.90	0.94	0.22	2.30	2.07	1.18	2.07	3.64	0.50	1.00
Downstream	Period 3	Gobiosoma sp.	result_100m2	29	0.12	13.23	1.47	0.27	1.47	1.20	0.78	2.02	2.89	0.54	1.10
Downstream	Period 3	Strongylura timucu	result_100m2	6	1.47	2.94	1.47	1.47	2.57	1.10	0.00	1.96	0.76	0.31	0.80
Downstream	Period 3	Bathygobius soporator	result_100m2	4	1.47	2.94	1.47	1.47	1.84	0.37	0.00	1.84	0.74	0.37	1.17
Downstream	Period 3	Lutjanus griseus	result_100m2	4	1.47	2.94	1.47	1.47	1.84	0.37	0.00	1.84	0.74	0.37	1.17
Downstream	Period 3	Chloroscombrus chrysurus	result_100m2	3	0.14	4.32	0.27	0.20	2.30	2.09	0.20	1.57	2.38	1.37	5.91
Downstream	Period 3	Chasmodes saburrae	result_100m2	2	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Downstream	Period 3	Fundulus confluentus	result_100m2	2	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Downstream	Period 3	Heterandria formosa	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Downstream	Period 3	Labidesthes sicculus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Downstream	Period 3	Lepisosteus osseus	result_100m2	2	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Downstream	Period 3	Lucania goodei	result_100m2	3	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Downstream	Period 3	Lupinoblennius nicholsi	result_100m2	2	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00

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Downstream	Period 3	Menticirrhus saxatilis	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Downstream	Period 3	Oreochromis/Sarotherodon spp.	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Downstream	Period 3	Pomatomus saltatrix	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Downstream	Period 3	Tilapia sp.	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Downstream	Period 3	Achirus lineatus	result_100m2	25	0.12	19.12	0.22	0.14	1.47	1.34	0.13	1.44	3.80	0.76	1.57
Downstream	Period 3	Orthopristis chrysoptera	result_100m2	21	0.14	10.29	0.60	0.17	1.47	1.30	0.69	1.41	2.26	0.49	1.03
Downstream	Period 3	Farfantepenaeus duorarum	result_100m2	95	0.12	17.41	0.54	0.24	1.47	1.23	0.60	1.17	2.16	0.22	0.44
Downstream	Period 3	Lophogobius cyprinoides	result_100m2	14	0.12	4.41	1.47	0.15	1.47	1.32	0.89	1.12	1.15	0.31	0.66
Downstream	Period 3	Menticirrhus americanus	result_100m2	59	0.12	25.00	0.41	0.14	0.92	0.79	0.40	1.11	3.26	0.42	0.85
Downstream	Period 3	Syngnathus scovelli	result_100m2	18	0.14	2.94	0.28	0.18	1.47	1.29	0.22	0.79	0.80	0.19	0.40
Downstream	Period 3	Opsanus beta	result_100m2	66	0.12	13.63	0.27	0.14	0.54	0.41	0.20	0.79	1.93	0.24	0.47
Downstream	Period 3	Gobiesox strumosus	result_100m2	24	0.12	2.94	0.27	0.14	1.47	1.34	0.20	0.77	0.97	0.20	0.41
Downstream	Period 3	Prionotus scitulus	result_100m2	19	0.14	2.94	0.27	0.14	0.61	0.47	0.20	0.53	0.68	0.16	0.33
Downstream	Period 3	Archosargus probatocephalus	result_100m2	43	0.12	2.94	0.15	0.14	0.45	0.32	0.04	0.49	0.62	0.10	0.19
Downstream	Period 3	Ariopsis felis	result_100m2	38	0.12	1.47	0.27	0.14	0.75	0.61	0.20	0.47	0.42	0.07	0.14
Downstream	Period 3	Chaetodipterus faber	result_100m2	21	0.12	1.62	0.27	0.14	0.54	0.41	0.20	0.45	0.45	0.10	0.20
Downstream	Period 3	Sphoeroides nephelus	result_100m2	7	0.14	1.47	0.27	0.14	0.45	0.32	0.20	0.44	0.49	0.18	0.45
Downstream	Period 3	Alpheidae	result_100m2	5	0.12	1.47	0.15	0.14	0.15	0.01	0.02	0.41	0.60	0.27	0.74
Downstream	Period 3	Gymnura micrura	result_100m2	1	0.27	0.27	0.27	0.27	0.27	0.00	0.00	0.27	NA	NA	NaN
Downstream	Period 3	Syngnathus louisianae	result_100m2	38	0.12	1.47	0.15	0.14	0.27	0.14	0.04	0.27	0.25	0.04	0.08
Downstream	Period 3	Limulus polyphemus	result_100m2	3	0.24	0.27	0.27	0.26	0.27	0.01	0.00	0.26	0.01	0.01	0.04
Downstream	Period 3	Dasyatis sabina	result_100m2	15	0.14	1.47	0.14	0.14	0.15	0.01	0.00	0.25	0.34	0.09	0.19
Downstream	Period 3	Paralichthys albigutta	result_100m2	1	0.24	0.24	0.24	0.24	0.24	0.00	0.00	0.24	NA	NA	NaN
Downstream	Period 3	Portunus sp.	result_100m2	7	0.14	0.45	0.15	0.14	0.32	0.18	0.02	0.23	0.14	0.05	0.13
Downstream	Period 3	Micropogonias undulatus	result_100m2	2	0.14	0.30	0.22	0.18	0.26	0.08	0.12	0.22	0.12	0.08	1.05
Downstream	Period 3	Prionotus tribulus	result_100m2	9	0.14	0.41	0.14	0.14	0.17	0.03	0.00	0.18	0.09	0.03	0.07
Downstream	Period 3	Stephanolepis hispidus	result_100m2	2	0.14	0.22	0.18	0.16	0.20	0.04	0.07	0.18	0.06	0.04	0.57
Downstream	Period 3	Symphurus plagiusa	result_100m2	7	0.12	0.30	0.14	0.13	0.16	0.03	0.02	0.16	0.06	0.02	0.06
Downstream	Period 3	Menippe sp.	result_100m2	4	0.14	0.22	0.14	0.14	0.17	0.03	0.01	0.16	0.04	0.02	0.07
Downstream	Period 3	Chilomycterus schoepfii	result_100m2	1	0.15	0.15	0.15	0.15	0.15	0.00	0.00	0.15	NA	NA	NaN
Downstream	Period 3	Gobiosoma longipala	result_100m2	1	0.15	0.15	0.15	0.15	0.15	0.00	0.00	0.15	NA	NA	NaN
Downstream	Period 3	Pogonias cromis	result_100m2	1	0.15	0.15	0.15	0.15	0.15	0.00	0.00	0.15	NA	NA	NaN
Downstream	Period 3	Microgobius thalassinus	result_100m2	9	0.12	0.22	0.14	0.12	0.15	0.03	0.02	0.15	0.03	0.01	0.03
Downstream	Period 3	Bagre marinus	result_100m2	5	0.12	0.17	0.14	0.14	0.15	0.01	0.02	0.14	0.02	0.01	0.02
Downstream	Period 3	Syngnathus floridae	result_100m2	2	0.14	0.15	0.14	0.14	0.15	0.01	0.01	0.14	0.01	0.01	0.10
Downstream	Period 3	Hypsoblennius hentz	result_100m2	1	0.14	0.14	0.14	0.14	0.14	0.00	0.00	0.14	NA	NA	NaN
Downstream	Period 3	Menticirrhus sp.	result_100m2	1	0.14	0.14	0.14	0.14	0.14	0.00	0.00	0.14	NA	NA	NaN

Downstream	Period 3	Urophycis floridana	result_100m2	1	0.14	0.14	0.14	0.14	0.14	0.00	0.00	0.14	NA	NA	NaN
Downstream	Period 3	Dorosoma cepedianum	result_100m2	1	0.12	0.12	0.12	0.12	0.12	0.00	0.00	0.12	NA	NA	NaN
Downstream	Period 3	Dorosoma petenense	result_100m2	1	0.12	0.12	0.12	0.12	0.12	0.00	0.00	0.12	NA	NA	NaN
Downstream	Period 3	No fish	result_100m2	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Downstream	Period 2	Anchoa mitchilli	result_100m2	138	0.12	26641.18	32.35	1.69	1653.31	1651.62	47.77	2381.96	5283.29	449.74	889.34
Downstream	Period 2	Menidia sp.	result_100m2	213	0.14	8285.29	261.76	60.29	813.24	752.94	377.19	731.66	1265.59	86.72	170.94
Downstream	Period 2	Opisthonema oglinum	result_100m2	6	1.47	2747.06	238.97	29.78	531.98	502.21	336.86	636.03	1060.69	433.02	1113.12
Downstream	Period 2	Harengula jaguana	result_100m2	13	1.47	1364.71	2.94	1.47	13.23	11.77	2.18	112.44	376.38	104.39	227.44
Downstream	Period 2	Brevoortia sp.	result_100m2	28	0.22	1404.41	6.62	1.47	19.12	17.65	7.63	102.79	289.84	54.77	112.39
Downstream	Period 2	Palaemonetes pugio	result_100m2	169	0.12	1530.88	7.35	1.47	29.41	27.94	9.81	85.97	240.01	18.46	36.45
Downstream	Period 2	Mugil cephalus	result_100m2	78	0.14	1060.29	16.18	3.31	98.90	95.59	21.80	84.99	163.91	18.56	36.96
Downstream	Period 2	Lucania parva	result_100m2	69	1.47	586.76	8.82	2.94	42.65	39.71	10.90	57.12	115.53	13.91	27.75
Downstream	Period 2	Microgobius gulosus	result_100m2	174	0.12	1142.65	4.41	1.47	23.53	22.06	6.14	54.76	164.76	12.49	24.65
Downstream	Period 2	Cyprinodon variegatus	result_100m2	89	0.14	752.94	14.71	4.41	42.65	38.24	19.62	53.36	112.57	11.93	23.71
Downstream	Period 2	Eucinostomus harengulus	result_100m2	100	0.14	567.65	12.50	2.94	50.00	47.06	16.35	46.41	84.21	8.42	16.71
Downstream	Period 2	Fundulus similis	result_100m2	33	1.47	305.88	8.82	4.41	48.53	44.12	10.90	40.06	64.13	11.16	22.74
Downstream	Period 2	Eucinostomus sp.	result_100m2	67	0.14	627.94	4.41	1.47	30.88	29.41	4.36	38.35	91.55	11.19	22.33
Downstream	Period 2	Sardinella aurita	result_100m2	3	4.41	69.12	8.82	6.62	38.97	32.35	6.54	27.45	36.15	20.87	89.81
Downstream	Period 2	Eucinostomus gula	result_100m2	13	0.17	151.47	1.47	1.47	10.29	8.82	1.93	26.84	54.39	15.09	32.87
Downstream	Period 2	Anchoa hepsetus	result_100m2	29	0.14	376.47	4.41	1.47	14.71	13.23	4.36	26.42	69.96	12.99	26.61
Downstream	Period 2	Fundulus grandis	result_100m2	68	1.47	163.24	6.62	2.94	23.90	20.96	7.63	25.78	41.33	5.01	10.00
Downstream	Period 2	Palaemonetes intermedius	result_100m2	20	0.12	247.06	2.94	1.47	9.93	8.46	2.87	24.81	61.02	13.64	28.56
Downstream	Period 2	Gambusia holbrooki	result_100m2	39	1.47	288.24	4.41	1.47	13.97	12.50	4.36	23.76	59.21	9.48	19.19
Downstream	Period 2	Poecilia latipinna	result_100m2	56	1.47	297.06	4.41	1.47	18.02	16.54	4.36	23.06	54.98	7.35	14.72
Downstream	Period 2	Leiostomus xanthurus	result_100m2	22	0.14	200.00	2.21	1.47	8.09	6.62	1.09	17.39	45.96	9.80	20.38
Downstream	Period 2	Mugil curema	result_100m2	2	10.29	17.65	13.97	12.13	15.81	3.68	5.45	13.97	5.20	3.68	46.71
Downstream	Period 2	Elops saurus	result_100m2	24	0.14	89.71	1.47	1.47	13.60	12.13	1.98	13.31	23.08	4.71	9.74
Downstream	Period 2	Floridichthys carpio	result_100m2	8	1.47	76.47	3.68	1.47	6.98	5.52	3.27	13.05	25.80	9.12	21.57
Downstream	Period 2	Oligoplites saurus	result_100m2	40	1.47	88.24	6.62	2.94	13.60	10.66	7.63	10.62	14.55	2.30	4.65
Downstream	Period 2	Eugerres plumieri	result_100m2	13	1.47	26.47	5.88	2.94	13.23	10.29	4.36	9.05	8.21	2.28	4.96
Downstream	Period 2	Gobiosoma bosc	result_100m2	186	0.12	189.71	1.47	0.45	4.41	3.96	1.98	7.45	21.49	1.57	3.11
Downstream	Period 2	Membras martinica	result_100m2	2	4.41	10.29	7.35	5.88	8.82	2.94	4.36	7.35	4.16	2.94	37.37
Downstream	Period 2	Mugil sp.	result_100m2	1	7.35	7.35	7.35	7.35	7.35	0.00	0.00	7.35	NA	NA	NaN
Downstream	Period 2	Gobiosoma sp.	result_100m2	95	0.12	141.18	1.47	1.20	5.88	4.68	1.98	7.29	18.86	1.94	3.84
Downstream	Period 2	Strongylura notata	result_100m2	14	1.47	33.82	3.68	1.84	10.66	8.82	3.27	7.25	8.72	2.33	5.03
Downstream	Period 2	Lagodon rhomboides	result_100m2	68	0.14	76.47	2.94	1.47	5.88	4.41	2.18	6.93	13.12	1.59	3.17
Downstream	Period 2	Trinectes maculatus	result_100m2	178	0.12	92.65	1.47	0.69	7.35	6.66	1.98	6.84	12.46	0.93	1.84

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Downstream	Period 2	Bairdiella chrysoura	result_100m2	7	0.12	38.24	1.47	0.34	2.82	2.48	1.82	6.59	14.00	5.29	12.95
Downstream	Period 2	Tilapia sp.	result_100m2	12	0.14	42.65	1.47	1.47	6.62	5.15	0.00	6.51	11.85	3.42	7.53
Downstream	Period 2	Cynoscion nebulosus	result_100m2	13	0.27	17.65	2.94	1.47	7.35	5.88	2.18	5.34	5.69	1.58	3.44
Downstream	Period 2	Sciaenops ocellatus	result_100m2	45	0.12	27.94	1.47	1.47	5.88	4.41	2.00	4.99	6.39	0.95	1.92
Downstream	Period 2	Cynoscion arenarius	result_100m2	33	0.14	44.12	1.22	0.15	2.85	2.70	1.58	3.84	8.34	1.45	2.96
Downstream	Period 2	Palaemonetes sp.	result_100m2	2	1.47	5.88	3.68	2.57	4.78	2.21	3.27	3.68	3.12	2.21	28.03
Downstream	Period 2	Lepomis punctatus	result_100m2	4	1.47	8.82	1.47	1.47	3.31	1.84	0.00	3.31	3.68	1.84	5.85
Downstream	Period 2	Albula vulpes	result_100m2	1	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	NA	NA	NaN
Downstream	Period 2	Chasmodes saburrae	result_100m2	2	1.47	4.41	2.94	2.21	3.68	1.47	2.18	2.94	2.08	1.47	18.69
Downstream	Period 2	Lepomis sp.	result_100m2	1	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	NA	NA	NaN
Downstream	Period 2	Micropterus salmoides	result_100m2	5	1.47	7.35	1.47	1.47	2.94	1.47	0.00	2.94	2.55	1.14	3.16
Downstream	Period 2	Strongylura sp.	result_100m2	15	1.47	7.35	1.47	1.47	3.68	2.21	0.00	2.74	1.92	0.49	1.06
Downstream	Period 2	Strongylura timucu	result_100m2	5	1.47	5.88	1.47	1.47	2.94	1.47	0.00	2.65	1.92	0.86	2.38
Downstream	Period 2	Achirus lineatus	result_100m2	16	0.14	16.18	0.88	0.16	2.94	2.78	1.11	2.58	4.26	1.06	2.27
Downstream	Period 2	Centropomus undecimalis	result_100m2	9	1.47	8.82	1.47	1.47	1.47	0.00	0.00	2.45	2.44	0.81	1.88
Downstream	Period 2	Lophogobius cyprinoides	result_100m2	3	1.47	2.94	2.94	2.21	2.94	0.74	0.00	2.45	0.85	0.49	2.11
Downstream	Period 2	Strongylura marina	result_100m2	11	1.47	4.41	2.94	1.47	2.94	1.47	2.18	2.41	0.99	0.30	0.67
Downstream	Period 2	Synodus foetens	result_100m2	26	0.14	13.23	1.47	1.21	2.94	1.73	1.74	2.24	2.67	0.52	1.08
Downstream	Period 2	Lucania goodei	result_100m2	2	1.47	2.94	2.21	1.84	2.57	0.74	1.09	2.21	1.04	0.74	9.34
Downstream	Period 2	Gobiosoma robustum	result_100m2	6	0.81	5.88	1.35	0.95	1.47	0.52	0.45	1.95	1.95	0.79	2.04
Downstream	Period 2	Lepomis macrochirus	result_100m2	4	1.47	2.94	1.47	1.47	1.84	0.37	0.00	1.84	0.74	0.37	1.17
Downstream	Period 2	Syngnathus scovelli	result_100m2	46	0.12	5.88	1.47	0.15	2.57	2.42	1.97	1.59	1.66	0.24	0.49
Downstream	Period 2	Callinectes sapidus	result_100m2	127	0.12	26.47	0.94	0.39	1.47	1.08	0.78	1.55	2.92	0.26	0.51
Downstream	Period 2	Bathygobius soporator	result_100m2	3	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Downstream	Period 2	Chelydra serpentina osceola	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Downstream	Period 2	Clupeidae sp.	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Downstream	Period 2	Fundulus seminolis	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Downstream	Period 2	Fundulus sp.	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Downstream	Period 2	Lupinoblennius nicholsi	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Downstream	Period 2	Lutjanus griseus	result_100m2	2	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Downstream	Period 2	Orthopristis chrysoptera	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Downstream	Period 2	Pogonias cromis	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Downstream	Period 2	Pomatomus saltatrix	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Downstream	Period 2	Sarotherodon melanotheron	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Downstream	Period 2	Trachemys scripta	result_100m2	2	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Downstream	Period 2	Menticirrhus americanus	result_100m2	34	0.12	11.77	0.46	0.18	1.44	1.26	0.48	1.17	2.05	0.35	0.72
Downstream	Period 2	Archosargus probatocephalus	result_100m2	16	0.14	1.47	1.07	0.16	1.47	1.31	0.59	0.87	0.64	0.16	0.34

Downstream	Period 2	Lepisosteus osseus	result_100m2	2	0.15	1.47	0.81	0.48	1.14	0.66	0.98	0.81	0.93	0.66	8.39
Downstream	Period 2	Opsanus beta	result_100m2	59	0.12	5.88	0.41	0.14	1.28	1.15	0.40	0.81	1.00	0.13	0.26
Downstream	Period 2	Stephanolepis hispidus	result_100m2	2	0.14	1.47	0.80	0.47	1.14	0.67	0.99	0.80	0.94	0.67	8.48
Downstream	Period 2	Farfantepenaeus duorarum	result_100m2	38	0.12	2.94	0.25	0.14	1.47	1.34	0.17	0.76	0.81	0.13	0.27
Downstream	Period 2	Chaetodipterus faber	result_100m2	13	0.12	6.88	0.14	0.14	0.41	0.27	0.02	0.75	1.85	0.51	1.12
Downstream	Period 2	Gobiesox strumosus	result_100m2	33	0.12	2.94	0.51	0.14	1.47	1.34	0.55	0.72	0.68	0.12	0.24
Downstream	Period 2	Syngnathus louisianae	result_100m2	32	0.12	5.88	0.32	0.15	0.87	0.72	0.27	0.72	1.08	0.19	0.39
Downstream	Period 2	Bagre marinus	result_100m2	3	0.15	1.47	0.41	0.28	0.94	0.66	0.38	0.68	0.70	0.40	1.74
Downstream	Period 2	Limulus polyphemus	result_100m2	4	0.27	1.01	0.32	0.27	0.53	0.26	0.07	0.48	0.36	0.18	0.57
Downstream	Period 2	Micropogonias undulatus	result_100m2	5	0.12	0.81	0.27	0.27	0.54	0.27	0.22	0.40	0.27	0.12	0.34
Downstream	Period 2	Sphoeroides nephelus	result_100m2	6	0.14	1.47	0.14	0.14	0.29	0.16	0.01	0.39	0.53	0.22	0.56
Downstream	Period 2	Ariopsis felis	result_100m2	20	0.12	1.47	0.14	0.14	0.29	0.15	0.02	0.28	0.30	0.07	0.14
Downstream	Period 2	Dasyatis sabina	result_100m2	13	0.14	0.60	0.15	0.14	0.27	0.14	0.02	0.23	0.14	0.04	0.09
Downstream	Period 2	Prionotus tribulus	result_100m2	3	0.17	0.34	0.17	0.17	0.25	0.08	0.00	0.22	0.10	0.06	0.24
Downstream	Period 2	Prionotus scitulus	result_100m2	4	0.14	0.41	0.16	0.15	0.23	0.08	0.03	0.22	0.13	0.06	0.20
Downstream	Period 2	Alpheidae	result_100m2	2	0.14	0.27	0.20	0.17	0.24	0.07	0.10	0.20	0.10	0.07	0.86
Downstream	Period 2	Chloroscombrus chrysurus	result_100m2	2	0.14	0.27	0.20	0.17	0.24	0.07	0.10	0.20	0.10	0.07	0.86
Downstream	Period 2	Gymnura micrura	result_100m2	2	0.15	0.17	0.16	0.16	0.16	0.01	0.01	0.16	0.01	0.01	0.12
Downstream	Period 2	Dasyatis say	result_100m2	2	0.14	0.17	0.15	0.14	0.16	0.02	0.03	0.15	0.02	0.02	0.21
Downstream	Period 2	Lysmata amboinensis	result_100m2	1	0.14	0.14	0.14	0.14	0.14	0.00	0.00	0.14	NA	NA	NaN
Downstream	Period 2	Menippe sp.	result_100m2	1	0.14	0.14	0.14	0.14	0.14	0.00	0.00	0.14	NA	NA	NaN
Downstream	Period 2	Symphurus plagiusa	result_100m2	1	0.14	0.14	0.14	0.14	0.14	0.00	0.00	0.14	NA	NA	NaN
Downstream	Period 2	Microgobius thalassinus	result_100m2	3	0.12	0.14	0.14	0.13	0.14	0.01	0.00	0.13	0.01	0.00	0.02
Downstream	Period 2	Periclimenes longicaudatus	result_100m2	3	0.12	0.14	0.14	0.13	0.14	0.01	0.00	0.13	0.01	0.00	0.02
Downstream	Period 2	No fish	result_100m2	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Downstream	Period 1	Anchoa mitchilli	result_100m2	79	0.11	30969.12	216.18	6.48	1230.15	1223.66	318.32	2228.69	5714.19	642.90	1279.91
Downstream	Period 1	Menidia sp.	result_100m2	103	0.06	3825.00	164.71	39.71	456.62	416.91	235.47	482.25	783.89	77.24	153.20
Downstream	Period 1	Palaemonetes pugio	result_100m2	68	0.54	7872.06	33.82	11.40	254.78	243.38	47.97	457.57	1216.49	147.52	294.45
Downstream	Period 1	Leiostomus xanthurus	result_100m2	37	0.14	3226.47	22.06	2.94	297.06	294.12	30.52	326.16	746.57	122.74	248.92
Downstream	Period 1	Brevoortia sp.	result_100m2	23	1.47	1751.47	25.00	2.21	427.21	425.00	34.88	271.29	462.15	96.36	199.85
Downstream	Period 1	Mugil cephalus	result_100m2	24	1.47	1388.23	17.65	5.15	107.72	102.57	23.98	173.90	344.25	70.27	145.37
Downstream	Period 1	Palaemonetes sp.	result_100m2	7	11.77	636.76	29.41	11.77	222.06	210.29	26.16	163.66	246.23	93.07	227.72
Downstream	Period 1	Anchoa hepsetus	result_100m2	36	0.14	2541.18	5.88	1.47	48.90	47.43	8.15	148.90	462.04	77.01	156.33
Downstream	Period 1	Palaemonetes intermedius	result_100m2	3	1.47	323.53	1.47	1.47	162.50	161.03	0.00	108.82	185.94	107.35	461.90
Downstream	Period 1	Lagodon rhomboides	result_100m2	68	0.12	1223.53	7.35	1.47	27.57	26.10	10.43	64.87	179.46	21.76	43.44
Downstream	Period 1	Fundulus similis	result_100m2	17	1.47	442.65	11.77	2.94	36.76	33.82	15.26	60.12	113.83	27.61	58.53
Downstream	Period 1	Membras martinica	result_100m2	12	1.47	219.12	13.97	1.47	64.34	62.87	18.53	52.70	78.31	22.61	49.76

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Downstream	Period 1	Lucania parva	result_100m2	32	1.47	560.29	9.56	4.41	43.02	38.60	11.99	46.55	103.00	18.21	37.13
Downstream	Period 1	Fundulus grandis	result_100m2	33	1.47	385.29	11.77	2.94	26.47	23.53	15.26	40.95	80.49	14.01	28.54
Downstream	Period 1	Cyprinodon variegatus	result_100m2	35	1.47	225.00	16.18	5.88	46.32	40.44	19.62	37.69	51.40	8.69	17.66
Downstream	Period 1	Mugil sp.	result_100m2	2	4.41	63.24	33.82	19.12	48.53	29.41	43.61	33.82	41.59	29.41	373.71
Downstream	Period 1	Poecilia latipinna	result_100m2	30	0.06	235.29	11.03	2.94	55.88	52.94	14.17	33.09	49.43	9.02	18.46
Downstream	Period 1	Microgobius gulosus	result_100m2	73	0.11	676.47	2.94	1.47	13.23	11.77	3.36	26.98	96.50	11.29	22.52
Downstream	Period 1	Eucinostomus harengulus	result_100m2	43	0.12	329.41	7.35	2.94	16.91	13.97	8.72	21.49	51.87	7.91	15.96
Downstream	Period 1	Eucinostomus gula	result_100m2	18	0.14	105.88	4.65	3.15	19.85	16.70	4.72	19.28	30.38	7.16	15.11
Downstream	Period 1	Sciaenops ocellatus	result_100m2	27	0.12	195.59	2.94	1.47	12.50	11.03	2.18	19.18	42.85	8.25	16.95
Downstream	Period 1	Gambusia holbrooki	result_100m2	20	1.47	63.24	7.35	2.94	23.53	20.59	8.72	16.10	18.54	4.15	8.68
Downstream	Period 1	Trinectes maculatus	result_100m2	88	0.11	97.06	2.94	1.47	11.77	10.29	3.84	10.36	18.61	1.98	3.94
Downstream	Period 1	Gobiosoma sp.	result_100m2	30	0.10	58.82	2.21	1.47	9.93	8.46	3.03	7.61	12.06	2.20	4.50
Downstream	Period 1	Eucinostomus sp.	result_100m2	32	1.47	26.47	5.88	2.94	9.19	6.25	4.36	7.49	6.79	1.20	2.45
Downstream	Period 1	Oligoplites saurus	result_100m2	28	1.47	45.59	4.41	1.47	6.25	4.78	4.36	7.14	10.22	1.93	3.96
Downstream	Period 1	Cynoscion arenarius	result_100m2	36	0.11	67.65	0.82	0.23	6.99	6.76	1.03	6.74	12.96	2.16	4.38
Downstream	Period 1	Eugerres plumieri	result_100m2	10	1.47	25.00	3.68	1.47	4.41	2.94	3.27	5.88	7.40	2.34	5.30
Downstream	Period 1	Bairdiella chrysoura	result_100m2	12	0.14	30.88	1.47	0.44	4.04	3.60	1.89	5.88	9.99	2.88	6.35
Downstream	Period 1	Gobiosoma bosc	result_100m2	76	0.12	47.06	1.47	1.47	4.41	2.94	1.99	5.36	8.99	1.03	2.05
Downstream	Period 1	Mugil trichodon	result_100m2	2	1.47	7.35	4.41	2.94	5.88	2.94	4.36	4.41	4.16	2.94	37.37
Downstream	Period 1	Menticirrhus americanus	result_100m2	23	0.11	36.76	0.81	0.21	2.94	2.73	0.98	3.70	8.00	1.67	3.46
Downstream	Period 1	Pogonias cromis	result_100m2	7	1.47	10.29	1.47	1.47	4.41	2.94	0.00	3.57	3.38	1.28	3.13
Downstream	Period 1	Rhinoptera bonasus	result_100m2	3	0.12	8.82	1.47	0.80	5.15	4.35	2.00	3.47	4.68	2.70	11.63
Downstream	Period 1	Elops saurus	result_100m2	6	1.47	10.29	1.47	1.47	3.68	2.21	0.00	3.43	3.56	1.45	3.74
Downstream	Period 1	Achirus lineatus	result_100m2	13	0.12	14.71	1.47	0.27	1.47	1.20	1.74	2.79	4.72	1.31	2.85
Downstream	Period 1	Strongylura sp.	result_100m2	5	1.47	7.35	1.47	1.47	1.47	0.00	0.00	2.65	2.63	1.18	3.27
Downstream	Period 1	Strongylura timucu	result_100m2	11	1.47	4.41	1.47	1.47	2.94	1.47	0.00	2.41	1.19	0.36	0.80
Downstream	Period 1	Strongylura marina	result_100m2	7	1.47	4.41	1.47	1.47	2.94	1.47	0.00	2.31	1.16	0.44	1.07
Downstream	Period 1	Strongylura notata	result_100m2	6	1.47	2.94	2.21	1.47	2.94	1.47	1.09	2.21	0.80	0.33	0.84
Downstream	Period 1	Synodus foetens	result_100m2	12	1.47	5.88	1.47	1.47	2.94	1.47	0.00	2.21	1.33	0.38	0.84
Downstream	Period 1	Callinectes sapidus	result_100m2	69	0.01	32.35	1.47	0.45	1.89	1.44	1.51	2.06	4.09	0.49	0.98
Downstream	Period 1	Farfantepenaeus duorarum	result_100m2	35	0.11	7.35	1.01	0.39	2.21	1.81	1.00	1.66	1.79	0.30	0.62
Downstream	Period 1	Cynoscion nebulosus	result_100m2	8	1.47	2.94	1.47	1.47	1.47	0.00	0.00	1.65	0.52	0.18	0.44
Downstream	Period 1	Syngnathus scovelli	result_100m2	26	0.14	7.35	1.47	0.62	1.47	0.85	0.00	1.53	1.50	0.29	0.60
Downstream	Period 1	Sphoeroides nephelus	result_100m2	9	0.12	4.41	1.47	0.17	1.47	1.30	1.93	1.52	1.42	0.47	1.09
Downstream	Period 1	Albula vulpes	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Downstream	Period 1	Centropomus undecimalis	result_100m2	8	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Downstream	Period 1	Dasyatis say	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN

Downstream	Period 1	Dorosoma petenense	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Downstream	Period 1	Lutjanus griseus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Downstream	Period 1	Microgobius thalassinus	result_100m2	2	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Downstream	Period 1	Palaemon floridanus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Downstream	Period 1	Gobiesox strumosus	result_100m2	11	0.12	2.94	0.45	0.21	2.21	2.00	0.48	1.21	1.21	0.37	0.82
Downstream	Period 1	Archosargus probatocephalus	result_100m2	24	0.12	5.88	1.21	0.21	1.47	1.26	1.12	1.14	1.25	0.25	0.53
Downstream	Period 1	Gobiosoma robustum	result_100m2	3	0.14	1.47	1.47	0.80	1.47	0.67	0.00	1.02	0.77	0.44	1.92
Downstream	Period 1	Syngnathus louisianae	result_100m2	15	0.06	5.88	0.17	0.14	1.47	1.34	0.08	0.88	1.51	0.39	0.84
Downstream	Period 1	Orthopristis chrysoptera	result_100m2	4	0.12	1.47	0.80	0.13	1.47	1.34	0.99	0.80	0.78	0.39	1.23
Downstream	Period 1	Prionotus scitulus	result_100m2	8	0.10	2.94	0.25	0.14	0.87	0.73	0.21	0.75	1.00	0.35	0.84
Downstream	Period 1	Bagre marinus	result_100m2	10	0.12	2.94	0.14	0.13	1.17	1.04	0.02	0.69	0.96	0.30	0.69
Downstream	Period 1	Opsanus beta	result_100m2	31	0.12	4.41	0.24	0.15	0.64	0.49	0.16	0.61	0.85	0.15	0.31
Downstream	Period 1	Ariopsis felis	result_100m2	11	0.11	1.47	0.24	0.14	0.55	0.42	0.18	0.47	0.52	0.16	0.35
Downstream	Period 1	Symphurus plagiusa	result_100m2	3	0.27	0.68	0.27	0.27	0.47	0.20	0.00	0.41	0.23	0.14	0.58
Downstream	Period 1	Chaetodipterus faber	result_100m2	11	0.10	0.74	0.17	0.15	0.41	0.26	0.10	0.30	0.21	0.06	0.14
Downstream	Period 1	Menippe mercenaria	result_100m2	2	0.15	0.41	0.28	0.21	0.34	0.13	0.19	0.28	0.18	0.13	1.62
Downstream	Period 1	Limulus polyphemus	result_100m2	4	0.15	0.45	0.22	0.16	0.32	0.15	0.09	0.26	0.14	0.07	0.22
Downstream	Period 1	Menippe sp.	result_100m2	5	0.10	0.51	0.15	0.14	0.27	0.14	0.07	0.23	0.16	0.07	0.20
Downstream	Period 1	Paralichthys albigutta	result_100m2	2	0.15	0.24	0.20	0.17	0.22	0.05	0.07	0.20	0.07	0.05	0.61
Downstream	Period 1	Dasyatis sabina	result_100m2	4	0.14	0.24	0.15	0.15	0.17	0.03	0.01	0.17	0.05	0.03	0.08
Downstream	Period 1	Lysmata amboinensis	result_100m2	1	0.15	0.15	0.15	0.15	0.15	0.00	0.00	0.15	NA	NA	NaN
Downstream	Period 1	Echeneis naucrates	result_100m2	1	0.12	0.12	0.12	0.12	0.12	0.00	0.00	0.12	NA	NA	NaN
Downstream	Period 1	Prionotus tribulus	result_100m2	1	0.11	0.11	0.11	0.11	0.11	0.00	0.00	0.11	NA	NA	NaN
Downstream	Period 1	No fish	result_100m2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lower	Period 5	Menidia beryllina	result_100m2	16	1.17	22813.24	241.18	31.09	683.82	652.73	355.56	3000.08	7325.59	1831.40	3903.53
Lower	Period 5	Anchoa mitchilli	result_100m2	2	417.65	419.12	418.38	418.02	418.75	0.74	1.09	418.38	1.04	0.74	9.34
Lower	Period 5	Mugil curema	result_100m2	2	2.94	161.76	82.35	42.65	122.06	79.41	117.74	82.35	112.31	79.41	1009.02
Lower	Period 5	Eucinostomus harengulus	result_100m2	12	1.12	223.53	32.35	2.71	104.78	102.07	44.70	62.45	73.57	21.24	46.74
Lower	Period 5	Lucania parva	result_100m2	11	0.03	277.94	16.18	8.09	55.88	47.79	23.94	56.42	87.88	26.50	59.04
Lower	Period 5	Mugil cephalus	result_100m2	8	0.16	244.12	11.77	3.13	62.87	59.74	16.24	51.22	83.33	29.46	69.67
Lower	Period 5	Gambusia holbrooki	result_100m2	5	0.03	230.88	0.23	0.05	2.94	2.89	0.31	46.83	102.90	46.02	127.76
Lower	Period 5	Microgobius gulosus	result_100m2	12	0.03	305.88	9.56	2.22	14.34	12.12	11.95	37.26	86.58	24.99	55.01
Lower	Period 5	Mayaheros urophthalmus	result_100m2	2	0.03	66.18	33.10	16.56	49.64	33.08	49.04	33.10	46.77	33.08	420.26
Lower	Period 5	Elops saurus	result_100m2	2	4.41	30.88	17.65	11.03	24.26	13.23	19.62	17.65	18.72	13.23	168.17
Lower	Period 5	Lophogobius cyprinoides	result_100m2	1	14.71	14.71	14.71	14.71	14.71	0.00	0.00	14.71	NA	NA	NaN
Lower	Period 5	Fundulus grandis	result_100m2	4	0.03	35.29	6.77	0.24	18.75	18.51	9.79	12.22	16.57	8.29	26.37
Lower	Period 5	Penaeid sp.	result_100m2	1	11.77	11.77	11.77	11.77	11.77	0.00	0.00	11.77	NA	NA	NaN

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Lower	Period 5	Poecilia latipinna	result_100m2	2	1.47	22.06	11.77	6.62	16.91	10.29	15.26	11.77	14.56	10.29	130.80
Lower	Period 5	Leiostomus xanthurus	result_100m2	7	0.03	67.65	0.13	0.08	5.88	5.80	0.16	11.39	25.09	9.48	23.20
Lower	Period 5	Gobiosoma bosc	result_100m2	6	0.03	52.94	4.41	2.21	4.41	2.21	2.18	11.28	20.49	8.37	21.51
Lower	Period 5	Micropterus salmoides	result_100m2	4	1.47	14.71	10.29	4.78	14.71	9.93	6.54	9.19	6.62	3.31	10.53
Lower	Period 5	Lucania goodei	result_100m2	3	0.03	17.65	4.41	2.22	11.03	8.81	6.50	7.36	9.17	5.30	22.79
Lower	Period 5	Trinectes maculatus	result_100m2	9	0.03	41.18	2.94	0.13	4.41	4.28	2.18	6.73	13.05	4.35	10.04
Lower	Period 5	Arias felis	result_100m2	1	5.88	5.88	5.88	5.88	5.88	0.00	0.00	5.88	NA	NA	NaN
Lower	Period 5	Eugerres plumieri	result_100m2	8	0.03	10.29	2.21	1.12	5.52	4.39	3.19	3.69	3.92	1.39	3.27
Lower	Period 5	Lepomis microlophus	result_100m2	1	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	NA	NA	NaN
Lower	Period 5	Fundulus seminolis	result_100m2	9	0.03	10.29	1.47	0.26	2.94	2.68	2.14	2.90	3.90	1.30	3.00
Lower	Period 5	Strongylura marina	result_100m2	3	1.47	4.41	1.47	1.47	2.94	1.47	0.00	2.45	1.70	0.98	4.22
Lower	Period 5	Brevoortia sp.	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 5	Cynoscion nebulosus	result_100m2	2	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Lower	Period 5	Notropis sp.	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 5	Oligoplites saurus	result_100m2	2	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Lower	Period 5	Syngnathus scovelli	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 5	Centropomus undecimalis	result_100m2	2	0.03	1.47	0.75	0.39	1.11	0.72	1.07	0.75	1.02	0.72	9.18
Lower	Period 5	Sciaenops ocellatus	result_100m2	4	0.03	0.08	0.06	0.05	0.08	0.03	0.02	0.06	0.03	0.01	0.04
Lower	Period 5	Callinectes sapidus	result_100m2	2	0.03	0.08	0.05	0.04	0.06	0.03	0.04	0.05	0.04	0.03	0.33
Lower	Period 5	Oreochromis sp.	result_100m2	1	0.03	0.03	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Lower	Period 5	Palaemonetes pugio	result_100m2	2	0.03	0.03	0.03	0.03	0.03	0.00	0.00	0.03	0.00	0.00	0.00
Lower	Period 4	Menidia sp.	result_100m2	5	33.82	817.65	66.18	55.88	172.06	116.18	47.97	229.12	333.29	149.05	413.83
Lower	Period 4	Gambusia holbrooki	result_100m2	3	2.94	176.47	36.76	19.85	106.62	86.76	50.15	72.06	91.99	53.11	228.52
Lower	Period 4	Palaemonetes pugio	result_100m2	3	27.94	85.29	44.12	36.03	64.71	28.68	23.98	52.45	29.57	17.07	73.46
Lower	Period 4	Trinectes maculatus	result_100m2	10	1.47	55.88	8.09	4.41	13.60	9.19	7.63	15.59	19.45	6.15	13.91
Lower	Period 4	Eucinostomus harengulus	result_100m2	3	5.88	16.18	8.82	7.35	12.50	5.15	4.36	10.29	5.30	3.06	13.17
Lower	Period 4	Eugerres plumieri	result_100m2	4	2.94	22.06	7.35	2.94	14.34	11.40	6.54	9.93	9.10	4.55	14.47
Lower	Period 4	Gobiosoma sp.	result_100m2	3	4.41	19.12	5.88	5.15	12.50	7.35	2.18	9.80	8.10	4.68	20.12
Lower	Period 4	Fundulus confluentus	result_100m2	2	7.35	11.77	9.56	8.46	10.66	2.21	3.27	9.56	3.12	2.21	28.03
Lower	Period 4	Lepomis macrochirus	result_100m2	6	1.47	16.18	8.09	2.94	12.13	9.19	8.72	8.09	6.01	2.45	6.31
Lower	Period 4	Lepomis microlophus	result_100m2	6	1.47	25.00	2.94	1.47	4.41	2.94	2.18	6.37	9.24	3.77	9.70
Lower	Period 4	Lucania parva	result_100m2	4	1.47	17.65	1.47	1.47	5.52	4.04	0.00	5.52	8.09	4.04	12.87
Lower	Period 4	Gobiosoma bosc	result_100m2	5	1.47	10.29	4.41	1.47	5.88	4.41	4.36	4.71	3.66	1.64	4.55
Lower	Period 4	Eucinostomus sp.	result_100m2	1	4.41	4.41	4.41	4.41	4.41	0.00	0.00	4.41	NA	NA	NaN
Lower	Period 4	Heterandria formosa	result_100m2	1	4.41	4.41	4.41	4.41	4.41	0.00	0.00	4.41	NA	NA	NaN
Lower	Period 4	Poecilia latipinna	result_100m2	3	1.47	4.41	4.41	2.94	4.41	1.47	0.00	3.43	1.70	0.98	4.22
Lower	Period 4	Cyprinodon variegatus	result_100m2	1	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	NA	NA	NaN

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Lower	Period 4	Fundulus seminolis	result_100m2	1	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	NA	NA	NaN
Lower	Period 4	Labidesthes sicculus	result_100m2	1	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	NA	NA	NaN
Lower	Period 4	Mugil cephalus	result_100m2	1	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	NA	NA	NaN
Lower	Period 4	Oreochromis/Sarotherodon spp.	result_100m2	1	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	NA	NA	NaN
Lower	Period 4	Microgobius gulosus	result_100m2	4	1.47	2.94	2.94	2.57	2.94	0.37	0.00	2.57	0.74	0.37	1.17
Lower	Period 4	Fundulus grandis	result_100m2	2	1.47	2.94	2.21	1.84	2.57	0.74	1.09	2.21	1.04	0.74	9.34
Lower	Period 4	Leiostomus xanthurus	result_100m2	2	1.47	2.94	2.21	1.84	2.57	0.74	1.09	2.21	1.04	0.74	9.34
Lower	Period 4	Anchoa mitchilli	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 4	Archosargus probatocephalus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 4	Callinectes sapidus	result_100m2	3	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Lower	Period 4	Cynoscion nebulosus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 4	Palaemonetes sp.	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 3	Anchoa mitchilli	result_100m2	9	1.47	7011.76	26.47	5.88	817.65	811.76	37.06	1052.94	2294.25	764.75	1763.52
Lower	Period 3	Mugil cephalus	result_100m2	2	116.18	282.35	199.26	157.72	240.81	83.09	123.19	199.26	117.50	83.09	1055.74
Lower	Period 3	Palaemonetes pugio	result_100m2	23	1.47	2007.35	33.82	5.15	107.35	102.21	45.79	177.68	424.70	88.56	183.65
Lower	Period 3	Brevoortia sp.	result_100m2	6	1.47	733.82	21.32	5.52	137.50	131.99	28.34	159.07	289.08	118.02	303.37
Lower	Period 3	Menidia sp.	result_100m2	24	1.47	844.12	63.24	8.46	158.09	149.63	88.30	149.82	226.39	46.21	95.60
Lower	Period 3	Gambusia holbrooki	result_100m2	20	1.47	910.29	38.97	12.87	95.59	82.72	52.33	100.81	199.54	44.62	93.39
Lower	Period 3	Lucania parva	result_100m2	26	1.47	533.82	27.94	7.35	68.38	61.03	31.61	71.49	120.85	23.70	48.81
Lower	Period 3	Eucinostomus sp.	result_100m2	11	1.47	444.12	17.65	2.94	71.32	68.38	23.98	67.65	129.59	39.07	87.06
Lower	Period 3	Sarotherodon melanotheron	result_100m2	1	32.35	32.35	32.35	32.35	32.35	0.00	0.00	32.35	NA	NA	NaN
Lower	Period 3	Eucinostomus harengulus	result_100m2	13	1.47	108.82	7.35	4.41	51.47	47.06	8.72	31.00	40.26	11.17	24.33
Lower	Period 3	Poecilia latipinna	result_100m2	15	1.47	269.12	10.29	4.41	22.79	18.38	13.08	30.98	66.94	17.28	37.07
Lower	Period 3	Cyprinodon variegatus	result_100m2	20	1.47	172.06	7.35	2.57	35.66	33.09	8.72	23.75	39.11	8.75	18.31
Lower	Period 3	Oreochromis aureus	result_100m2	1	19.12	19.12	19.12	19.12	19.12	0.00	0.00	19.12	NA	NA	NaN
Lower	Period 3	Trinectes maculatus	result_100m2	15	0.15	77.94	2.94	1.47	15.44	13.97	4.14	14.03	21.45	5.54	11.88
Lower	Period 3	Tilapia sp.	result_100m2	4	1.47	22.06	13.97	10.29	16.54	6.25	6.54	12.87	8.52	4.26	13.56
Lower	Period 3	Leiostomus xanthurus	result_100m2	4	1.47	25.00	3.68	1.47	10.66	9.19	3.27	8.46	11.22	5.61	17.86
Lower	Period 3	Eugerres plumieri	result_100m2	6	1.47	17.65	5.88	2.57	13.60	11.03	6.54	8.09	7.13	2.91	7.48
Lower	Period 3	Fundulus seminolis	result_100m2	8	1.47	16.18	3.68	2.94	10.29	7.35	2.18	6.80	5.77	2.04	4.83
Lower	Period 3	Fundulus grandis	result_100m2	12	1.47	29.41	2.94	2.57	4.41	1.84	2.18	5.88	7.91	2.28	5.02
Lower	Period 3	Gobiesox strumosus	result_100m2	1	5.88	5.88	5.88	5.88	5.88	0.00	0.00	5.88	NA	NA	NaN
Lower	Period 3	Gobiosoma sp.	result_100m2	5	1.47	22.06	1.47	1.47	2.94	1.47	0.00	5.88	9.06	4.05	11.26
Lower	Period 3	Elops saurus	result_100m2	4	1.47	10.29	5.15	3.68	6.98	3.31	3.27	5.52	3.68	1.84	5.85
Lower	Period 3	Micropterus salmoides	result_100m2	5	1.47	11.77	2.94	1.47	5.88	4.41	2.18	4.71	4.34	1.94	5.39
Lower	Period 3	Centropomus undecimalis	result_100m2	2	1.47	7.35	4.41	2.94	5.88	2.94	4.36	4.41	4.16	2.94	37.37
Lower	Period 3	Gobiosoma bosc	result_100m2	6	1.47	7.35	4.41	2.21	4.41	2.21	2.18	3.92	2.21	0.90	2.32

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Lower	Period 3	Lagodon rhomboides	result_100m2	5	1.47	5.88	2.94	1.47	4.41	2.94	2.18	3.23	1.92	0.86	2.38
Lower	Period 3	Labidesthes sicculus	result_100m2	2	1.47	4.41	2.94	2.21	3.68	1.47	2.18	2.94	2.08	1.47	18.69
Lower	Period 3	Lepomis macrochirus	result_100m2	3	1.47	5.88	1.47	1.47	3.68	2.21	0.00	2.94	2.55	1.47	6.33
Lower	Period 3	Notemigonus crysoleucas	result_100m2	1	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	NA	NA	NaN
Lower	Period 3	Strongylura marina	result_100m2	2	1.47	2.94	2.21	1.84	2.57	0.74	1.09	2.21	1.04	0.74	9.34
Lower	Period 3	Syngnathus scovelli	result_100m2	2	1.47	2.94	2.21	1.84	2.57	0.74	1.09	2.21	1.04	0.74	9.34
Lower	Period 3	Sciaenops ocellatus	result_100m2	3	1.47	2.94	1.47	1.47	2.21	0.74	0.00	1.96	0.85	0.49	2.11
Lower	Period 3	Microgobius gulosus	result_100m2	7	1.47	2.94	1.47	1.47	2.21	0.74	0.00	1.89	0.72	0.27	0.66
Lower	Period 3	Archosargus probatocephalus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 3	Callinectes sapidus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 3	Cynoscion nebulosus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 3	Fundulus confluentus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 3	Fundulus similis	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 3	Heterandria formosa	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 3	Lepomis microlophus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 3	Lucania goodei	result_100m2	5	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Lower	Period 3	Oreochromis/Sarotherodon spp.	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 3	Palaemonetes paludosus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 3	Strongylura sp.	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 3	Strongylura timucu	result_100m2	2	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Lower	Period 3	Trachemys scripta	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 3	No fish	result_100m2	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lower	Period 2	Menidia sp.	result_100m2	41	0.15	6805.88	551.47	145.59	888.24	742.65	601.76	825.44	1224.94	191.30	386.64
Lower	Period 2	Anchoa mitchilli	result_100m2	11	1.47	2594.12	2.94	1.47	9.56	8.09	2.18	246.93	778.88	234.84	523.26
Lower	Period 2	Palaemonetes pugio	result_100m2	25	1.47	2539.71	17.65	2.94	76.47	73.53	23.98	170.41	510.65	102.13	210.78
Lower	Period 2	Brevoortia sp.	result_100m2	4	5.88	211.76	22.06	14.71	72.79	58.09	15.26	65.44	97.91	48.96	155.80
Lower	Period 2	Mugil cephalus	result_100m2	10	1.47	501.47	10.29	6.25	33.09	26.84	13.08	64.71	154.23	48.77	110.33
Lower	Period 2	Anchoa hepsetus	result_100m2	1	57.35	57.35	57.35	57.35	57.35	0.00	0.00	57.35	NA	NA	NaN
Lower	Period 2	Cyprinodon variegatus	result_100m2	27	0.27	313.24	13.23	7.35	46.32	38.97	13.08	47.40	81.09	15.61	32.08
Lower	Period 2	Lucania parva	result_100m2	25	0.27	288.24	11.77	2.94	60.29	57.35	15.26	47.07	67.14	13.43	27.71
Lower	Period 2	Gambusia holbrooki	result_100m2	30	1.47	369.12	16.91	4.41	36.76	32.35	21.80	42.89	78.42	14.32	29.28
Lower	Period 2	Poecilia latipinna	result_100m2	20	1.47	355.88	5.15	2.57	23.90	21.32	5.45	37.06	81.44	18.21	38.12
Lower	Period 2	Leiostomus xanthurus	result_100m2	4	1.47	48.53	23.53	1.47	46.32	44.85	32.70	24.26	26.35	13.17	41.92
Lower	Period 2	Eucinostomus sp.	result_100m2	5	4.41	57.35	8.82	4.41	27.94	23.53	6.54	20.59	22.74	10.17	28.23
Lower	Period 2	Microgobius gulosus	result_100m2	23	0.14	51.47	2.94	1.47	25.00	23.53	4.14	13.19	16.73	3.49	7.24
Lower	Period 2	Eucinostomus harengulus	result_100m2	7	0.14	79.41	1.47	1.47	3.68	2.21	0.00	13.04	29.32	11.08	27.12
Lower	Period 2	Fundulus grandis	result_100m2	18	1.47	38.24	7.35	1.47	20.59	19.12	8.72	12.66	12.68	2.99	6.31

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Lower	Period 2	Trinectes maculatus	result_100m2	28	0.14	39.71	5.88	2.57	14.71	12.13	7.23	10.43	11.07	2.09	4.29
Lower	Period 2	Elops saurus	result_100m2	7	1.47	30.88	5.88	2.21	13.97	11.77	6.54	10.08	11.31	4.28	10.46
Lower	Period 2	Tilapia sp.	result_100m2	12	1.47	33.82	7.35	1.47	8.82	7.35	7.63	9.56	11.12	3.21	7.07
Lower	Period 2	Gobiosoma bosc	result_100m2	21	1.47	50.00	2.94	1.47	5.88	4.41	2.18	9.45	13.88	3.03	6.32
Lower	Period 2	Floridichthys carpio	result_100m2	2	2.94	11.77	7.35	5.15	9.56	4.41	6.54	7.35	6.24	4.41	56.06
Lower	Period 2	Lucania goodei	result_100m2	3	1.47	11.77	7.35	4.41	9.56	5.15	6.54	6.86	5.16	2.98	12.83
Lower	Period 2	Gobiosoma sp.	result_100m2	7	1.47	19.12	1.47	1.47	5.88	4.41	0.00	5.25	6.68	2.52	6.18
Lower	Period 2	Eugerres plumieri	result_100m2	4	1.47	13.23	2.94	1.47	6.62	5.15	2.18	5.15	5.57	2.78	8.86
Lower	Period 2	Oligoplites saurus	result_100m2	1	4.41	4.41	4.41	4.41	4.41	0.00	0.00	4.41	NA	NA	NaN
Lower	Period 2	Fundulus seminolis	result_100m2	2	1.47	5.88	3.68	2.57	4.78	2.21	3.27	3.68	3.12	2.21	28.03
Lower	Period 2	Micropterus salmoides	result_100m2	3	1.47	7.35	1.47	1.47	4.41	2.94	0.00	3.43	3.40	1.96	8.44
Lower	Period 2	Archosargus probatocephalus	result_100m2	2	1.47	4.41	2.94	2.21	3.68	1.47	2.18	2.94	2.08	1.47	18.69
Lower	Period 2	Centropomus undecimalis	result_100m2	2	1.47	2.94	2.21	1.84	2.57	0.74	1.09	2.21	1.04	0.74	9.34
Lower	Period 2	Lepomis macrochirus	result_100m2	3	1.47	2.94	1.47	1.47	2.21	0.74	0.00	1.96	0.85	0.49	2.11
Lower	Period 2	Cynoscion nebulosus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 2	Labidesthes sicculus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 2	Lagodon rhomboides	result_100m2	2	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Lower	Period 2	Lepomis auritus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 2	Lepomis microlophus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 2	Lepomis punctatus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 2	Lophogobius cyprinoides	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 2	Sciaenops ocellatus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 2	Strongylura sp.	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 2	Strongylura timucu	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 2	Syngnathus scovelli	result_100m2	2	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Lower	Period 2	Callinectes sapidus	result_100m2	6	0.14	1.47	0.87	0.18	1.47	1.29	0.89	0.83	0.71	0.29	0.74
Lower	Period 2	Cynoscion arenarius	result_100m2	2	0.14	1.47	0.80	0.47	1.14	0.67	0.99	0.80	0.94	0.67	8.48
Lower	Period 2	Sarotherodon melanothron	result_100m2	1	0.15	0.15	0.15	0.15	0.15	0.00	0.00	0.15	NA	NA	NaN
Lower	Period 2	Lepisosteus osseus	result_100m2	3	0.14	0.15	0.15	0.14	0.15	0.01	0.00	0.14	0.01	0.00	0.02
Lower	Period 2	Pseudemys nelsoni	result_100m2	1	0.12	0.12	0.12	0.12	0.12	0.00	0.00	0.12	NA	NA	NaN
Lower	Period 2	Pseudemys peninsularis	result_100m2	1	0.12	0.12	0.12	0.12	0.12	0.00	0.00	0.12	NA	NA	NaN
Lower	Period 2	No fish	result_100m2	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lower	Period 1	Anchoa mitchilli	result_100m2	7	1.47	14117.65	495.59	13.97	1048.53	1034.56	721.68	2391.39	5195.62	1963.76	4805.15
Lower	Period 1	Menidia sp.	result_100m2	22	0.34	4823.53	761.76	161.03	1261.40	1100.37	863.40	1056.97	1217.54	259.58	539.83
Lower	Period 1	Palaemonetes pugio	result_100m2	13	4.18	9192.65	45.59	22.06	326.47	304.41	61.38	847.61	2515.16	697.58	1519.90
Lower	Period 1	Brevoortia sp.	result_100m2	8	0.12	2129.41	33.09	10.29	121.69	111.40	40.34	323.18	737.43	260.72	616.51
Lower	Period 1	Leiostomus xanthurus	result_100m2	5	4.41	325.00	189.71	111.76	211.76	100.00	115.56	168.53	119.33	53.37	148.17

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Lower	Period 1	Lucania parva	result_100m2	13	1.47	636.76	13.23	5.88	66.18	60.29	17.44	82.13	170.84	47.38	103.24
Lower	Period 1	Gambusia holbrooki	result_100m2	12	2.94	122.06	23.53	4.41	66.18	61.76	30.52	43.02	44.31	12.79	28.15
Lower	Period 1	Palaemonetes sp.	result_100m2	1	33.82	33.82	33.82	33.82	33.82	0.00	0.00	33.82	NA	NA	NaN
Lower	Period 1	Poecilia latipinna	result_100m2	15	1.47	172.06	20.59	4.41	32.35	27.94	23.98	29.51	42.70	11.03	23.65
Lower	Period 1	Trinectes maculatus	result_100m2	12	1.47	142.65	5.15	2.94	21.32	18.38	5.45	25.12	42.40	12.24	26.94
Lower	Period 1	Fundulus grandis	result_100m2	11	1.47	85.29	10.29	2.21	34.56	32.35	13.08	24.06	30.43	9.18	20.44
Lower	Period 1	Mugil cephalus	result_100m2	5	1.47	64.71	8.82	7.35	35.29	27.94	10.90	23.53	26.45	11.83	32.84
Lower	Period 1	Microgobius gulosus	result_100m2	15	0.12	77.94	4.41	2.21	8.09	5.88	4.36	14.81	23.40	6.04	12.96
Lower	Period 1	Cyprinodon variegatus	result_100m2	11	1.47	52.94	4.41	1.47	25.00	23.53	4.36	14.44	16.76	5.06	11.26
Lower	Period 1	Elops saurus	result_100m2	4	5.88	23.53	11.03	8.09	15.81	7.72	5.45	12.87	7.72	3.86	12.29
Lower	Period 1	Eucinostomus sp.	result_100m2	5	1.47	47.06	4.41	2.94	5.88	2.94	2.18	12.35	19.47	8.71	24.18
Lower	Period 1	Gobiosoma bosc	result_100m2	8	1.47	48.53	1.47	1.47	16.18	14.71	0.00	11.77	17.15	6.06	14.34
Lower	Period 1	Tilapia sp.	result_100m2	6	1.47	57.35	2.21	1.47	2.94	1.47	1.09	11.28	22.59	9.22	23.70
Lower	Period 1	Eugerres plumieri	result_100m2	7	0.11	57.35	4.41	1.47	5.88	4.41	4.36	10.94	20.61	7.79	19.06
Lower	Period 1	Centropomus undecimalis	result_100m2	1	8.82	8.82	8.82	8.82	8.82	0.00	0.00	8.82	NA	NA	NaN
Lower	Period 1	Eucinostomus harengulus	result_100m2	4	1.47	17.65	7.35	3.68	12.13	8.46	6.54	8.46	7.14	3.57	11.36
Lower	Period 1	Cynoscion arenarius	result_100m2	4	0.49	20.59	2.94	2.33	7.35	5.02	1.82	6.74	9.30	4.65	14.80
Lower	Period 1	Callinectes sapidus	result_100m2	7	1.47	30.88	2.94	2.21	3.68	1.47	2.18	6.72	10.70	4.04	9.90
Lower	Period 1	Archosargus probatocephalus	result_100m2	4	1.47	8.82	2.94	1.47	5.52	4.04	2.18	4.04	3.48	1.74	5.53
Lower	Period 1	Gobiosoma sp.	result_100m2	4	1.47	5.88	3.68	2.57	4.78	2.21	2.18	3.68	1.90	0.95	3.02
Lower	Period 1	Lagodon rhomboides	result_100m2	2	2.94	4.41	3.68	3.31	4.04	0.74	1.09	3.68	1.04	0.74	9.34
Lower	Period 1	Oligoplites saurus	result_100m2	3	1.47	7.35	1.47	1.47	4.41	2.94	0.00	3.43	3.40	1.96	8.44
Lower	Period 1	Achirus lineatus	result_100m2	1	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	NA	NA	NaN
Lower	Period 1	Strongylura timucu	result_100m2	2	1.47	4.41	2.94	2.21	3.68	1.47	2.18	2.94	2.08	1.47	18.69
Lower	Period 1	Syngnathus scovelli	result_100m2	1	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	NA	NA	NaN
Lower	Period 1	Cynoscion nebulosus	result_100m2	2	1.47	2.94	2.21	1.84	2.57	0.74	1.09	2.21	1.04	0.74	9.34
Lower	Period 1	Anchoa hepsetus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 1	Eucinostomus gula	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 1	Fundulus similis	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 1	Heterandria formosa	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 1	Lepisosteus platyrhincus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 1	Sciaenops ocellatus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Lower	Period 1	Menticirrhus americanus	result_100m2	1	0.15	0.15	0.15	0.15	0.15	0.00	0.00	0.15	NA	NA	NaN
Lower	Period 1	No fish	result_100m2	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Middle	Period 5	Menidia beryllina	result_100m2	14	0.60	964.71	177.94	8.46	331.25	322.79	249.64	272.14	331.98	88.72	191.68
Middle	Period 5	Anchoa mitchilli	result_100m2	2	47.06	255.88	151.47	99.26	203.68	104.41	154.80	151.47	147.66	104.41	1326.68
Middle	Period 5	Trinectes maculatus	result_100m2	13	0.16	66.18	1.47	0.86	22.06	21.20	1.95	15.55	23.46	6.51	14.18

Middle	Period 5	Lepisosteus osseus	result_100m2	1	8.82	8.82	8.82	8.82	8.82	0.00	0.00	8.82	NA	NA	NaN
Middle	Period 5	Fundulus seminolis	result_100m2	7	0.18	29.41	5.88	2.21	10.29	8.09	6.54	8.64	10.00	3.78	9.25
Middle	Period 5	Eucinostomus harengulus	result_100m2	8	0.21	23.53	5.88	0.37	11.03	10.66	8.20	7.84	8.63	3.05	7.22
Middle	Period 5	Gobiosoma bosc	result_100m2	9	0.03	20.59	4.41	1.47	8.82	7.35	6.50	7.20	7.54	2.51	5.79
Middle	Period 5	Lepomis macrochirus	result_100m2	3	1.47	13.23	5.88	3.68	9.56	5.88	6.54	6.86	5.94	3.43	14.76
Middle	Period 5	Gambusia holbrooki	result_100m2	5	0.39	16.18	1.96	0.86	3.52	2.66	2.32	4.58	6.59	2.95	8.19
Middle	Period 5	Microgobius gulosus	result_100m2	6	0.05	14.71	2.21	1.47	4.04	2.57	2.14	4.18	5.37	2.19	5.63
Middle	Period 5	Micropterus salmoides	result_100m2	9	0.05	22.06	1.47	0.13	2.94	2.81	2.10	3.82	7.02	2.34	5.40
Middle	Period 5	Cyprinidae sp. (likely Opsopoeodus)	result_100m2	1	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	NA	NA	NaN
Middle	Period 5	Eugerres plumieri	result_100m2	1	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	NA	NA	NaN
Middle	Period 5	Lepomis microlophus	result_100m2	1	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	NA	NA	NaN
Middle	Period 5	Pterygoplichthys disjunctivus	result_100m2	1	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	NA	NA	NaN
Middle	Period 5	Brevoortia sp.	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 5	Gobiosoma robustum	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 5	Labidesthes vanhyningi	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 5	Lucania parva	result_100m2	3	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Middle	Period 5	Mugil curema	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 5	Oligoplites saurus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 5	Oreochromis aureus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 5	Strongylura marina	result_100m2	3	0.03	1.47	1.47	0.75	1.47	0.72	0.00	0.99	0.83	0.48	2.07
Middle	Period 5	Lophogobius cyprinoides	result_100m2	3	0.05	1.47	0.08	0.06	0.77	0.71	0.04	0.53	0.81	0.47	2.02
Middle	Period 5	Mugil cephalus	result_100m2	2	0.03	0.21	0.12	0.07	0.16	0.09	0.14	0.12	0.13	0.09	1.16
Middle	Period 5	Fundulus confluentus	result_100m2	1	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.10	NA	NA	NaN
Middle	Period 5	Heterandria formosa	result_100m2	1	0.08	0.08	0.08	0.08	0.08	0.00	0.00	0.08	NA	NA	NaN
Middle	Period 5	Leiostomus xanthurus	result_100m2	1	0.08	0.08	0.08	0.08	0.08	0.00	0.00	0.08	NA	NA	NaN
Middle	Period 5	Callinectes sapidus	result_100m2	2	0.03	0.05	0.04	0.03	0.05	0.01	0.02	0.04	0.02	0.01	0.17
Middle	Period 5	Fundulus chrysotus	result_100m2	1	0.03	0.03	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Middle	Period 5	Oreochromis sp.	result_100m2	1	0.03	0.03	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Middle	Period 5	Poecilia latipinna	result_100m2	1	0.03	0.03	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Middle	Period 4	Anchoa mitchilli	result_100m2	1	1186.77	1186.77	1186.77	1186.77	1186.77	0.00	0.00	1186.77	NA	NA	NaN
Middle	Period 4	Microgobius gulosus	result_100m2	1	29.41	29.41	29.41	29.41	29.41	0.00	0.00	29.41	NA	NA	NaN
Middle	Period 4	Lucania parva	result_100m2	2	1.47	30.88	16.18	8.82	23.53	14.71	21.80	16.18	20.80	14.71	186.86
Middle	Period 4	Palaemonetes pugio	result_100m2	3	4.41	8.82	5.88	5.15	7.35	2.21	2.18	6.37	2.25	1.30	5.58
Middle	Period 4	Gobiosoma bosc	result_100m2	1	5.88	5.88	5.88	5.88	5.88	0.00	0.00	5.88	NA	NA	NaN
Middle	Period 4	Trinectes maculatus	result_100m2	4	1.47	11.77	5.15	1.47	9.56	8.09	5.45	5.88	5.23	2.62	8.33
Middle	Period 4	Lepomis auritus	result_100m2	1	4.41	4.41	4.41	4.41	4.41	0.00	0.00	4.41	NA	NA	NaN
Middle	Period 4	Callinectes sapidus	result_100m2	1	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	NA	NA	NaN

Middle	Period 4	Gambusia holbrooki	result_100m2	1	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	NA	NA	NaN
Middle	Period 4	Cynoscion nebulosus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 4	Menidia sp.	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 4	Oreochromis/Sarotherodon spp.	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 4	Palaemonetes paludosus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 3	Anchoa mitchilli	result_100m2	4	251.47	7776.47	1213.97	635.29	3192.65	2557.35	1047.63	2613.97	3490.90	1745.45	5554.80
Middle	Period 3	Gambusia holbrooki	result_100m2	15	4.41	648.53	26.47	14.71	97.06	82.35	32.70	122.25	194.94	50.33	107.96
Middle	Period 3	Labidesthes sicculus	result_100m2	3	1.47	169.12	16.18	8.82	92.65	83.82	21.80	62.26	92.84	53.60	230.62
Middle	Period 3	Lucania parva	result_100m2	21	1.47	295.59	11.77	4.41	73.53	69.12	15.26	46.64	72.12	15.74	32.83
Middle	Period 3	Menidia sp.	result_100m2	9	1.47	132.35	7.35	5.88	45.59	39.71	4.36	31.21	44.23	14.74	33.99
Middle	Period 3	Eucinostomus sp.	result_100m2	5	1.47	136.76	2.94	1.47	8.82	7.35	2.18	30.29	59.60	26.65	74.00
Middle	Period 3	Oreochromis aureus	result_100m2	1	29.41	29.41	29.41	29.41	29.41	0.00	0.00	29.41	NA	NA	NaN
Middle	Period 3	Brevoortia sp.	result_100m2	3	1.47	66.18	4.41	2.94	35.29	32.35	4.36	24.02	36.54	21.10	90.77
Middle	Period 3	Eugerres plumieri	result_100m2	3	1.47	44.12	4.41	2.94	24.26	21.32	4.36	16.67	23.82	13.75	59.17
Middle	Period 3	Fundulus seminolis	result_100m2	6	1.47	48.53	8.82	1.47	22.79	21.32	10.90	15.69	18.82	7.68	19.76
Middle	Period 3	Palaemonetes pugio	result_100m2	18	1.47	42.65	11.03	3.68	14.71	11.03	7.63	13.64	12.47	2.94	6.20
Middle	Period 3	Lepomis macrochirus	result_100m2	4	2.94	30.88	8.82	4.04	17.65	13.60	7.63	12.87	12.84	6.42	20.43
Middle	Period 3	Eucinostomus harengulus	result_100m2	7	1.47	38.24	7.35	2.21	17.65	15.44	8.72	12.39	14.33	5.42	13.25
Middle	Period 3	Sarotherodon melanothron	result_100m2	2	1.47	11.77	6.62	4.04	9.19	5.15	7.63	6.62	7.28	5.15	65.40
Middle	Period 3	Trinectes maculatus	result_100m2	14	1.47	33.82	2.94	1.47	4.04	2.57	2.18	5.88	8.67	2.32	5.01
Middle	Period 3	Cyprinodon variegatus	result_100m2	10	1.47	16.18	2.94	1.84	6.62	4.78	2.18	5.59	5.49	1.74	3.93
Middle	Period 3	Tilapia sp.	result_100m2	5	1.47	13.23	4.41	1.47	5.88	4.41	4.36	5.29	4.83	2.16	6.00
Middle	Period 3	Microgobius gulosus	result_100m2	2	1.47	8.82	5.15	3.31	6.98	3.68	5.45	5.15	5.20	3.68	46.71
Middle	Period 3	Etheostoma fusiforme	result_100m2	2	1.47	7.35	4.41	2.94	5.88	2.94	4.36	4.41	4.16	2.94	37.37
Middle	Period 3	Leiostomus xanthurus	result_100m2	1	4.41	4.41	4.41	4.41	4.41	0.00	0.00	4.41	NA	NA	NaN
Middle	Period 3	Lepomis microlophus	result_100m2	5	1.47	5.88	4.41	1.47	5.88	4.41	2.18	3.82	2.23	1.00	2.77
Middle	Period 3	Poecilia latipinna	result_100m2	5	1.47	8.82	2.94	1.47	4.41	2.94	2.18	3.82	3.05	1.36	3.79
Middle	Period 3	Micropterus salmoides	result_100m2	9	1.47	5.88	2.94	1.47	4.41	2.94	2.18	3.10	1.55	0.52	1.19
Middle	Period 3	Lagodon rhomboides	result_100m2	1	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	NA	NA	NaN
Middle	Period 3	Lucania goodei	result_100m2	1	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	NA	NA	NaN
Middle	Period 3	Gobiosoma bosc	result_100m2	2	1.47	2.94	2.21	1.84	2.57	0.74	1.09	2.21	1.04	0.74	9.34
Middle	Period 3	Mugil cephalus	result_100m2	3	1.47	2.94	1.47	1.47	2.21	0.74	0.00	1.96	0.85	0.49	2.11
Middle	Period 3	Gobiosoma sp.	result_100m2	5	1.47	2.94	1.47	1.47	1.47	0.00	0.00	1.76	0.66	0.29	0.82
Middle	Period 3	Amia calva	result_100m2	3	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Middle	Period 3	Callinectes sapidus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 3	Centropomus undecimalis	result_100m2	2	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Middle	Period 3	Fundulus confluentus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN

Middle	Period 3	Heterandria formosa	result_100m2	4	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Middle	Period 3	Lepomis auritus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 3	Lepomis sp.	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 3	Pomoxis nigromaculatus	result_100m2	2	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Middle	Period 3	Strongylura timucu	result_100m2	2	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Middle	Period 2	Menidia sp.	result_100m2	29	1.47	7794.12	179.41	20.59	586.76	566.18	244.19	694.17	1547.72	287.40	588.72
Middle	Period 2	Anchoa mitchilli	result_100m2	8	1.47	1489.71	27.21	4.78	463.24	458.46	38.16	331.98	535.92	189.48	448.04
Middle	Period 2	Brevoortia sp.	result_100m2	2	1.47	601.47	301.47	151.47	451.47	300.00	444.78	301.47	424.26	300.00	3811.86
Middle	Period 2	Gambusia holbrooki	result_100m2	24	1.47	541.18	41.18	4.04	193.38	189.34	56.69	117.59	165.54	33.79	69.90
Middle	Period 2	Palaemonetes pugio	result_100m2	19	1.47	585.29	10.29	5.15	33.09	27.94	13.08	87.54	176.14	40.41	84.90
Middle	Period 2	Lucania parva	result_100m2	15	1.47	188.24	10.29	2.94	52.94	50.00	13.08	36.96	52.19	13.48	28.90
Middle	Period 2	Cyprinodon variegatus	result_100m2	15	1.47	145.59	5.88	1.47	28.68	27.21	6.54	30.00	49.36	12.74	27.33
Middle	Period 2	Tilapia sp.	result_100m2	12	1.47	195.59	8.09	3.68	12.87	9.19	7.63	27.08	55.68	16.07	35.38
Middle	Period 2	Microgobius gulosus	result_100m2	14	1.47	63.24	11.03	4.41	29.41	25.00	11.99	19.85	20.73	5.54	11.97
Middle	Period 2	Eucinostomus sp.	result_100m2	4	2.94	45.59	14.71	2.94	31.25	28.31	17.44	19.48	20.64	10.32	32.84
Middle	Period 2	Strongylura timucu	result_100m2	1	19.12	19.12	19.12	19.12	19.12	0.00	0.00	19.12	NA	NA	NaN
Middle	Period 2	Eucinostomus harengulus	result_100m2	7	2.94	55.88	8.82	5.15	16.18	11.03	6.54	15.76	18.56	7.01	17.16
Middle	Period 2	Poecilia latipinna	result_100m2	8	1.47	48.53	9.56	1.47	19.48	18.02	11.99	14.34	16.31	5.77	13.64
Middle	Period 2	Elops saurus	result_100m2	3	1.47	36.76	1.47	1.47	19.12	17.65	0.00	13.23	20.38	11.77	50.62
Middle	Period 2	Leiostomus xanthurus	result_100m2	2	1.47	22.06	11.77	6.62	16.91	10.29	15.26	11.77	14.56	10.29	130.80
Middle	Period 2	Gobiosoma bosc	result_100m2	10	1.47	61.76	3.68	1.84	8.46	6.62	3.27	10.44	18.37	5.81	13.14
Middle	Period 2	Trinectes maculatus	result_100m2	22	0.15	50.00	6.62	2.94	13.97	11.03	7.63	9.97	10.96	2.34	4.86
Middle	Period 2	Labidesthes sicculus	result_100m2	6	1.47	17.65	6.62	4.78	8.46	3.68	3.27	7.60	5.54	2.26	5.81
Middle	Period 2	Strongylura sp.	result_100m2	1	7.35	7.35	7.35	7.35	7.35	0.00	0.00	7.35	NA	NA	NaN
Middle	Period 2	Lepomis microlophus	result_100m2	5	1.47	10.29	4.41	2.94	10.29	7.35	4.36	5.88	4.16	1.86	5.16
Middle	Period 2	Fundulus grandis	result_100m2	4	1.47	14.71	2.21	1.47	5.88	4.41	1.09	5.15	6.41	3.20	10.20
Middle	Period 2	Fundulus seminolis	result_100m2	6	1.47	20.59	1.47	1.47	3.68	2.21	0.00	5.15	7.66	3.12	8.03
Middle	Period 2	Eugerres plumieri	result_100m2	3	2.94	7.35	4.41	3.68	5.88	2.21	2.18	4.90	2.25	1.30	5.58
Middle	Period 2	Fundulus confluentus	result_100m2	4	1.47	5.88	4.41	2.57	5.88	3.31	2.18	4.04	2.21	1.10	3.51
Middle	Period 2	Lepomis punctatus	result_100m2	3	1.47	8.82	1.47	1.47	5.15	3.68	0.00	3.92	4.24	2.45	10.55
Middle	Period 2	Lepomis macrochirus	result_100m2	7	1.47	7.35	2.94	1.47	5.88	4.41	2.18	3.78	2.67	1.01	2.46
Middle	Period 2	Micropterus salmoides	result_100m2	7	1.47	8.82	2.94	1.47	4.41	2.94	2.18	3.57	2.80	1.06	2.59
Middle	Period 2	Callinectes sapidus	result_100m2	2	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	0.00	0.00	0.00
Middle	Period 2	Notropis petersoni	result_100m2	2	1.47	4.41	2.94	2.21	3.68	1.47	2.18	2.94	2.08	1.47	18.69
Middle	Period 2	Palaemonetes paludosus	result_100m2	1	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	NA	NA	NaN
Middle	Period 2	Strongylura marina	result_100m2	1	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	NA	NA	NaN
Middle	Period 2	Gobiosoma sp.	result_100m2	13	1.47	5.88	1.47	1.47	2.94	1.47	0.00	2.15	1.29	0.36	0.78

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Middle	Period 2	Amia calva	result_100m2	2	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Middle	Period 2	Anchoa hepsetus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 2	Centropomus undecimalis	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 2	Harengula jaguana	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 2	Lepisosteus platyrhincus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 2	Lepomis auritus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 2	Lepomis marginatus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 2	Lepomis sp.	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 2	Lophogobius cyprinoides	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 2	Mugil cephalus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 2	Oligoplites saurus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 2	Syngnathus scovelli	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 2	No fish	result_100m2	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA	NA	NaN
Middle	Period 1	Brevoortia sp.	result_100m2	7	8.82	26541.18	60.29	33.82	1115.44	1081.62	76.31	4129.83	9910.98	3746.00	9166.12
Middle	Period 1	Menidia sp.	result_100m2	15	1.47	36329.41	35.29	11.77	865.44	853.68	50.15	3007.94	9304.67	2402.46	5152.76
Middle	Period 1	Palaemonetes pugio	result_100m2	12	4.41	8023.53	232.35	76.10	1249.27	1173.16	337.95	1355.39	2402.66	693.59	1526.58
Middle	Period 1	Gambusia holbrooki	result_100m2	15	11.77	1288.23	251.47	127.21	641.18	513.97	292.16	422.16	380.54	98.26	210.74
Middle	Period 1	Poecilia latipinna	result_100m2	12	2.94	976.47	153.68	41.91	331.25	289.34	183.15	265.93	321.69	92.86	204.39
Middle	Period 1	Lucania parva	result_100m2	14	1.47	733.82	34.56	6.25	58.82	52.57	43.61	87.71	189.95	50.77	109.67
Middle	Period 1	Leiostomus xanthurus	result_100m2	3	1.47	242.65	2.94	2.21	122.79	120.59	2.18	82.35	138.82	80.15	344.85
Middle	Period 1	Anchoa mitchilli	result_100m2	2	20.59	63.24	41.91	31.25	52.57	21.32	31.61	41.91	30.16	21.32	270.94
Middle	Period 1	Tilapia sp.	result_100m2	9	1.47	148.53	10.29	5.88	13.23	7.35	6.54	28.27	47.91	15.97	36.82
Middle	Period 1	Trinectes maculatus	result_100m2	11	1.47	66.18	5.88	2.21	15.44	13.23	6.54	14.17	19.99	6.03	13.43
Middle	Period 1	Eucinostomus harengulus	result_100m2	2	10.29	10.29	10.29	10.29	10.29	0.00	0.00	10.29	0.00	0.00	0.00
Middle	Period 1	Elops saurus	result_100m2	2	7.35	11.77	9.56	8.46	10.66	2.21	3.27	9.56	3.12	2.21	28.03
Middle	Period 1	Eugerres plumieri	result_100m2	4	2.94	20.59	6.62	5.15	10.66	5.52	3.27	9.19	7.82	3.91	12.44
Middle	Period 1	Microgobius gulosus	result_100m2	9	1.47	22.06	4.41	1.47	13.23	11.77	4.36	7.35	7.24	2.41	5.57
Middle	Period 1	Mugil cephalus	result_100m2	2	1.47	13.23	7.35	4.41	10.29	5.88	8.72	7.35	8.32	5.88	74.74
Middle	Period 1	Fundulus confluentus	result_100m2	1	5.88	5.88	5.88	5.88	5.88	0.00	0.00	5.88	NA	NA	NaN
Middle	Period 1	Fundulus grandis	result_100m2	7	1.47	16.18	2.94	1.47	8.82	7.35	2.18	5.88	5.88	2.22	5.44
Middle	Period 1	Sciaenops ocellatus	result_100m2	3	1.47	11.77	2.94	2.21	7.35	5.15	2.18	5.39	5.57	3.21	13.83
Middle	Period 1	Lepisosteus platyrhincus	result_100m2	1	4.41	4.41	4.41	4.41	4.41	0.00	0.00	4.41	NA	NA	NaN
Middle	Period 1	Eucinostomus sp.	result_100m2	2	1.47	5.88	3.68	2.57	4.78	2.21	3.27	3.68	3.12	2.21	28.03
Middle	Period 1	Cyprinodon variegatus	result_100m2	4	1.47	8.82	1.47	1.47	3.31	1.84	0.00	3.31	3.68	1.84	5.85
Middle	Period 1	Cynoscion arenarius	result_100m2	2	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	0.00	0.00	0.00
Middle	Period 1	Lepomis microlophus	result_100m2	1	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	NA	NA	NaN
Middle	Period 1	Gobiosoma bosc	result_100m2	3	1.47	2.94	1.47	1.47	2.21	0.74	0.00	1.96	0.85	0.49	2.11

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Middle	Period 1	Archosargus probatocephalus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 1	Callinectes sapidus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 1	Dormitator maculatus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 1	Gobiosoma sp.	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 1	Lepomis macrochirus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 1	Oligoplites saurus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Middle	Period 1	Strongylura timucu	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 5	Menidia beryllina	result_100m2	15	0.36	3658.82	42.65	3.71	104.41	100.70	62.03	338.66	942.59	243.38	521.99
Upper	Period 5	Anchoa mitchilli	result_100m2	2	20.59	42.65	31.62	26.10	37.13	11.03	16.35	31.62	15.60	11.03	140.14
Upper	Period 5	Gambusia holbrooki	result_100m2	7	0.18	127.94	5.88	2.91	27.21	24.30	8.45	27.75	46.00	17.39	42.55
Upper	Period 5	Fundulus seminolis	result_100m2	9	0.03	52.94	1.47	0.10	14.71	14.60	2.10	13.01	21.15	7.05	16.26
Upper	Period 5	Eucinostomus harengulus	result_100m2	10	0.05	25.00	3.68	1.09	11.40	10.31	5.30	7.90	9.20	2.91	6.58
Upper	Period 5	Lucania parva	result_100m2	6	0.03	23.53	1.69	0.47	13.71	13.25	2.39	7.45	10.37	4.23	10.88
Upper	Period 5	Trinectes maculatus	result_100m2	11	0.08	19.12	5.88	0.87	10.29	9.43	8.33	7.00	7.13	2.15	4.79
Upper	Period 5	Micropterus salmoides	result_100m2	10	0.03	26.47	2.21	0.70	11.03	10.33	3.10	6.68	8.96	2.84	6.41
Upper	Period 5	Lucania goodei	result_100m2	7	0.03	32.35	1.47	0.81	4.54	3.72	1.95	6.36	11.72	4.43	10.84
Upper	Period 5	Lepomis macrochirus	result_100m2	10	0.10	23.53	3.68	0.70	6.98	6.28	4.99	5.51	7.04	2.23	5.04
Upper	Period 5	Etheostoma fusiforme	result_100m2	2	0.05	7.35	3.70	1.88	5.53	3.65	5.41	3.70	5.16	3.65	46.38
Upper	Period 5	Lepomis microlophus	result_100m2	6	0.03	4.41	1.54	0.09	2.94	2.85	2.12	1.75	1.91	0.78	2.01
Upper	Period 5	Labidesthes vanhyningi	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 5	Lepomis punctatus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 5	Mugil cephalus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 5	Notropis sp.	result_100m2	2	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Upper	Period 5	Poecilia latipinna	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 5	Gobiosoma bosc	result_100m2	4	0.21	1.47	1.47	1.16	1.47	0.32	0.00	1.16	0.63	0.32	1.00
Upper	Period 5	Lepomis auritus	result_100m2	3	0.03	1.47	1.47	0.75	1.47	0.72	0.00	0.99	0.83	0.48	2.07
Upper	Period 5	Heterandria formosa	result_100m2	1	0.05	0.05	0.05	0.05	0.05	0.00	0.00	0.05	NA	NA	NaN
Upper	Period 5	Palaemonetes paludosus	result_100m2	1	0.05	0.05	0.05	0.05	0.05	0.00	0.00	0.05	NA	NA	NaN
Upper	Period 5	Strongylura marina	result_100m2	1	0.05	0.05	0.05	0.05	0.05	0.00	0.00	0.05	NA	NA	NaN
Upper	Period 5	Ameiurus catus	result_100m2	2	0.03	0.03	0.03	0.03	0.03	0.00	0.00	0.03	0.00	0.00	0.00
Upper	Period 5	Callinectes sapidus	result_100m2	2	0.03	0.03	0.03	0.03	0.03	0.00	0.00	0.03	0.00	0.00	0.00
Upper	Period 5	Pterygoplichthys sp.	result_100m2	1	0.03	0.03	0.03	0.03	0.03	0.00	0.00	0.03	NA	NA	NaN
Upper	Period 4	Menidia sp.	result_100m2	1	707.35	707.35	707.35	707.35	707.35	0.00	0.00	707.35	NA	NA	NaN
Upper	Period 4	Lepomis macrochirus	result_100m2	6	4.41	102.94	20.59	6.25	49.26	43.02	22.89	34.80	38.84	15.86	40.76
Upper	Period 4	Lucania parva	result_100m2	1	27.94	27.94	27.94	27.94	27.94	0.00	0.00	27.94	NA	NA	NaN
Upper	Period 4	Anchoa mitchilli	result_100m2	2	4.41	26.47	15.44	9.93	20.96	11.03	16.35	15.44	15.60	11.03	140.14
Upper	Period 4	Lepomis microlophus	result_100m2	3	4.41	13.23	13.23	8.82	13.23	4.41	0.00	10.29	5.09	2.94	12.65

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Upper	Period 4	Gambusia holbrooki	result_100m2	3	1.47	8.82	8.82	5.15	8.82	3.68	0.00	6.37	4.24	2.45	10.55
Upper	Period 4	Micropterus salmoides	result_100m2	6	1.47	10.29	2.21	1.47	4.04	2.57	1.09	3.68	3.45	1.41	3.62
Upper	Period 4	Trinectes maculatus	result_100m2	7	1.47	7.35	2.94	1.47	5.15	3.68	2.18	3.57	2.67	1.01	2.46
Upper	Period 4	Palaemonetes paludosus	result_100m2	2	1.47	4.41	2.94	2.21	3.68	1.47	2.18	2.94	2.08	1.47	18.69
Upper	Period 4	Fundulus seminolis	result_100m2	2	1.47	2.94	2.21	1.84	2.57	0.74	1.09	2.21	1.04	0.74	9.34
Upper	Period 4	Gobiosoma sp.	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 4	Lepomis auritus	result_100m2	2	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Upper	Period 4	Lepomis punctatus	result_100m2	3	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Upper	Period 4	Lucania goodei	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 4	Pseudemys nelsoni	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 3	Lucania parva	result_100m2	13	4.41	519.12	25.00	14.71	100.00	85.29	28.34	85.07	139.37	38.66	84.22
Upper	Period 3	Gambusia holbrooki	result_100m2	14	1.47	417.65	28.68	11.03	105.15	94.12	33.80	74.79	110.29	29.48	63.68
Upper	Period 3	Menidia sp.	result_100m2	12	1.47	269.12	20.59	5.15	75.74	70.59	27.25	66.05	94.08	27.16	59.77
Upper	Period 3	Fundulus seminolis	result_100m2	8	2.94	48.53	11.03	4.04	20.96	16.91	11.99	15.81	15.72	5.56	13.14
Upper	Period 3	Palaemonetes pugio	result_100m2	8	1.47	30.88	3.68	2.57	17.65	15.07	3.27	10.66	11.97	4.23	10.00
Upper	Period 3	Micropterus salmoides	result_100m2	5	1.47	32.35	4.41	2.94	5.88	2.94	2.18	9.41	12.93	5.78	16.05
Upper	Period 3	Trinectes maculatus	result_100m2	10	1.47	26.47	5.15	2.21	14.71	12.50	5.45	8.97	9.10	2.88	6.51
Upper	Period 3	Anchoa mitchilli	result_100m2	3	1.47	16.18	2.94	2.21	9.56	7.35	2.18	6.86	8.10	4.68	20.12
Upper	Period 3	Labidesthes sicculus	result_100m2	7	1.47	20.59	4.41	2.21	7.35	5.15	4.36	6.51	6.68	2.52	6.18
Upper	Period 3	Heterandria formosa	result_100m2	2	1.47	8.82	5.15	3.31	6.98	3.68	5.45	5.15	5.20	3.68	46.71
Upper	Period 3	Eucinostomus sp.	result_100m2	1	4.41	4.41	4.41	4.41	4.41	0.00	0.00	4.41	NA	NA	NaN
Upper	Period 3	Poecilia latipinna	result_100m2	3	1.47	8.82	2.94	2.21	5.88	3.68	2.18	4.41	3.89	2.25	9.66
Upper	Period 3	Cyprinodon variegatus	result_100m2	3	1.47	8.82	1.47	1.47	5.15	3.68	0.00	3.92	4.24	2.45	10.55
Upper	Period 3	Eucinostomus harengulus	result_100m2	3	1.47	5.88	4.41	2.94	5.15	2.21	2.18	3.92	2.25	1.30	5.58
Upper	Period 3	Lepomis macrochirus	result_100m2	5	1.47	4.41	1.47	1.47	4.41	2.94	0.00	2.65	1.61	0.72	2.00
Upper	Period 3	Gobiosoma bosc	result_100m2	2	1.47	2.94	2.21	1.84	2.57	0.74	1.09	2.21	1.04	0.74	9.34
Upper	Period 3	Lepomis microlophus	result_100m2	2	1.47	2.94	2.21	1.84	2.57	0.74	1.09	2.21	1.04	0.74	9.34
Upper	Period 3	Brevoortia sp.	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 3	Etheostoma fusiforme	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 3	Fundulus confluentus	result_100m2	2	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Upper	Period 3	Lagodon rhomboides	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 3	Lepomis auritus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 3	Lepomis punctatus	result_100m2	2	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Upper	Period 3	Pterygoplichthys sp.	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 3	Trachemys scripta	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 2	Lucania parva	result_100m2	15	1.47	2572.06	52.94	8.09	121.32	113.24	76.31	233.72	650.51	167.96	360.24
Upper	Period 2	Menidia sp.	result_100m2	23	1.47	1158.82	147.06	35.29	293.38	258.09	176.60	209.91	257.92	53.78	111.53

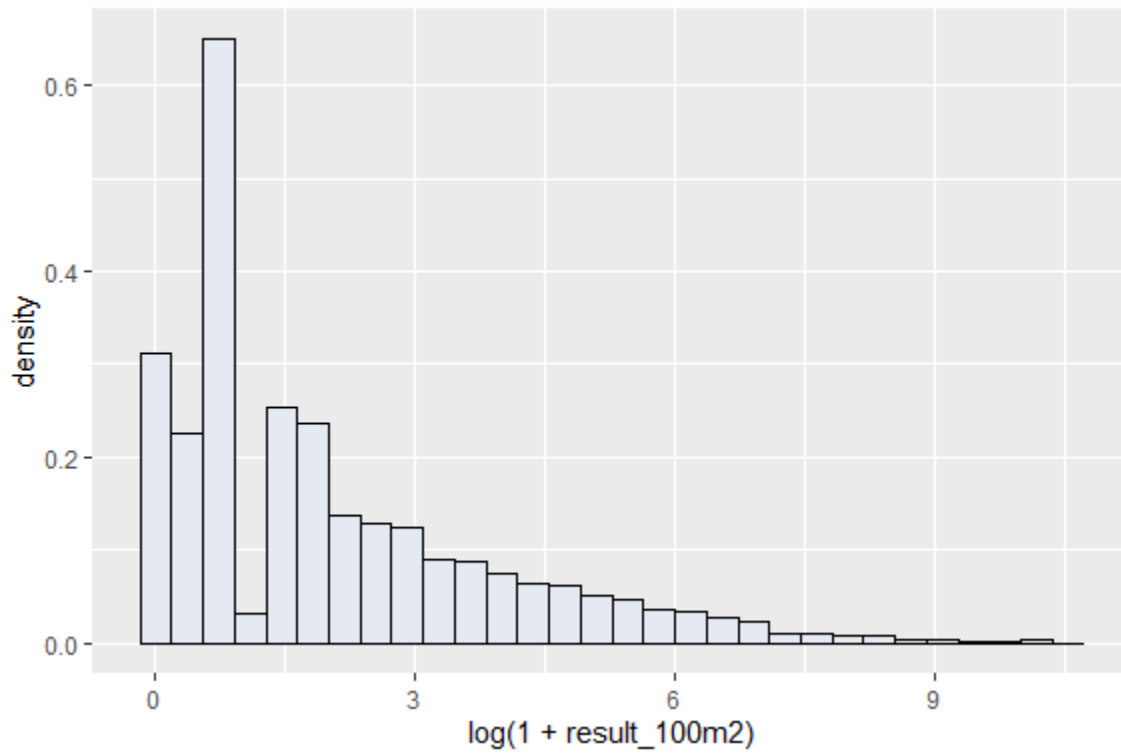
Upper	Period 2	Gambusia holbrooki	result_100m2	21	1.47	388.24	38.24	4.41	104.41	100.00	54.51	83.75	119.81	26.14	54.54
Upper	Period 2	Tilapia sp.	result_100m2	8	1.47	111.76	33.09	2.94	68.75	65.81	44.70	42.83	43.63	15.43	36.47
Upper	Period 2	Poecilia latipinna	result_100m2	5	1.47	176.47	1.47	1.47	10.29	8.82	0.00	38.24	77.37	34.60	96.07
Upper	Period 2	Cyprinodon variegatus	result_100m2	13	1.47	189.71	5.88	1.47	22.06	20.59	6.54	38.01	63.56	17.63	38.41
Upper	Period 2	Palaemonetes pugio	result_100m2	8	1.47	245.59	3.68	2.57	5.88	3.31	2.18	34.19	85.46	30.22	71.45
Upper	Period 2	Notropis petersoni	result_100m2	6	4.41	39.71	11.77	8.46	30.52	22.06	8.72	18.63	15.47	6.32	16.24
Upper	Period 2	Fundulus seminolis	result_100m2	11	1.47	73.53	5.88	2.94	14.71	11.77	6.54	17.78	26.56	8.01	17.84
Upper	Period 2	Labidesthes sicculus	result_100m2	11	1.47	132.35	4.41	2.94	9.56	6.62	2.18	16.98	38.41	11.58	25.81
Upper	Period 2	Eucinostomus harengulus	result_100m2	2	7.35	20.59	13.97	10.66	17.28	6.62	9.81	13.97	9.36	6.62	84.08
Upper	Period 2	Microgobius gulosus	result_100m2	6	1.47	26.47	9.56	2.94	22.79	19.85	10.90	12.50	11.57	4.72	12.14
Upper	Period 2	Lepomis macrochirus	result_100m2	12	1.47	44.12	8.09	2.57	13.23	10.66	7.63	12.13	14.02	4.05	8.91
Upper	Period 2	Micropterus salmoides	result_100m2	12	1.47	45.59	8.09	2.94	11.77	8.82	7.63	11.89	14.30	4.13	9.09
Upper	Period 2	Dorosoma petenense	result_100m2	1	11.77	11.77	11.77	11.77	11.77	0.00	0.00	11.77	NA	NA	NaN
Upper	Period 2	Notropis maculatus	result_100m2	2	2.94	20.59	11.77	7.35	16.18	8.82	13.08	11.77	12.48	8.82	112.11
Upper	Period 2	Trinectes maculatus	result_100m2	20	1.47	32.35	5.15	2.94	9.56	6.62	4.36	7.65	7.83	1.75	3.67
Upper	Period 2	Lepomis microlophus	result_100m2	9	1.47	20.59	4.41	2.94	8.82	5.88	4.36	7.03	6.89	2.30	5.30
Upper	Period 2	Gobiosoma sp.	result_100m2	2	2.94	10.29	6.62	4.78	8.46	3.68	5.45	6.62	5.20	3.68	46.71
Upper	Period 2	Lucania goodei	result_100m2	1	5.88	5.88	5.88	5.88	5.88	0.00	0.00	5.88	NA	NA	NaN
Upper	Period 2	Fundulus grandis	result_100m2	3	1.47	11.77	1.47	1.47	6.62	5.15	0.00	4.90	5.94	3.43	14.76
Upper	Period 2	Lepomis sp.	result_100m2	3	2.94	8.82	2.94	2.94	5.88	2.94	0.00	4.90	3.40	1.96	8.44
Upper	Period 2	Heterandria formosa	result_100m2	1	4.41	4.41	4.41	4.41	4.41	0.00	0.00	4.41	NA	NA	NaN
Upper	Period 2	Leiostomus xanthurus	result_100m2	3	1.47	5.88	2.94	2.21	4.41	2.21	2.18	3.43	2.25	1.30	5.58
Upper	Period 2	Elops saurus	result_100m2	2	1.47	4.41	2.94	2.21	3.68	1.47	2.18	2.94	2.08	1.47	18.69
Upper	Period 2	Gobiosoma bosc	result_100m2	8	1.47	5.88	2.21	1.47	4.41	2.94	1.09	2.94	1.76	0.62	1.47
Upper	Period 2	Lepomis punctatus	result_100m2	3	1.47	4.41	1.47	1.47	2.94	1.47	0.00	2.45	1.70	0.98	4.22
Upper	Period 2	Anchoa mitchilli	result_100m2	4	1.47	2.94	2.21	1.47	2.94	1.47	1.09	2.21	0.85	0.42	1.35
Upper	Period 2	Amia calva	result_100m2	3	1.47	2.94	1.47	1.47	2.21	0.74	0.00	1.96	0.85	0.49	2.11
Upper	Period 2	Archosargus probatocephalus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 2	Cynoscion arenarius	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 2	Etheostoma fusiforme	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 2	Eugerres plumieri	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 2	Fundulus confluentus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 2	Lepisosteus osseus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 2	Lepisosteus platyrhincus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 2	Lepomis auritus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 2	Lepomis marginatus	result_100m2	3	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Upper	Period 2	Oligoplites saurus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN

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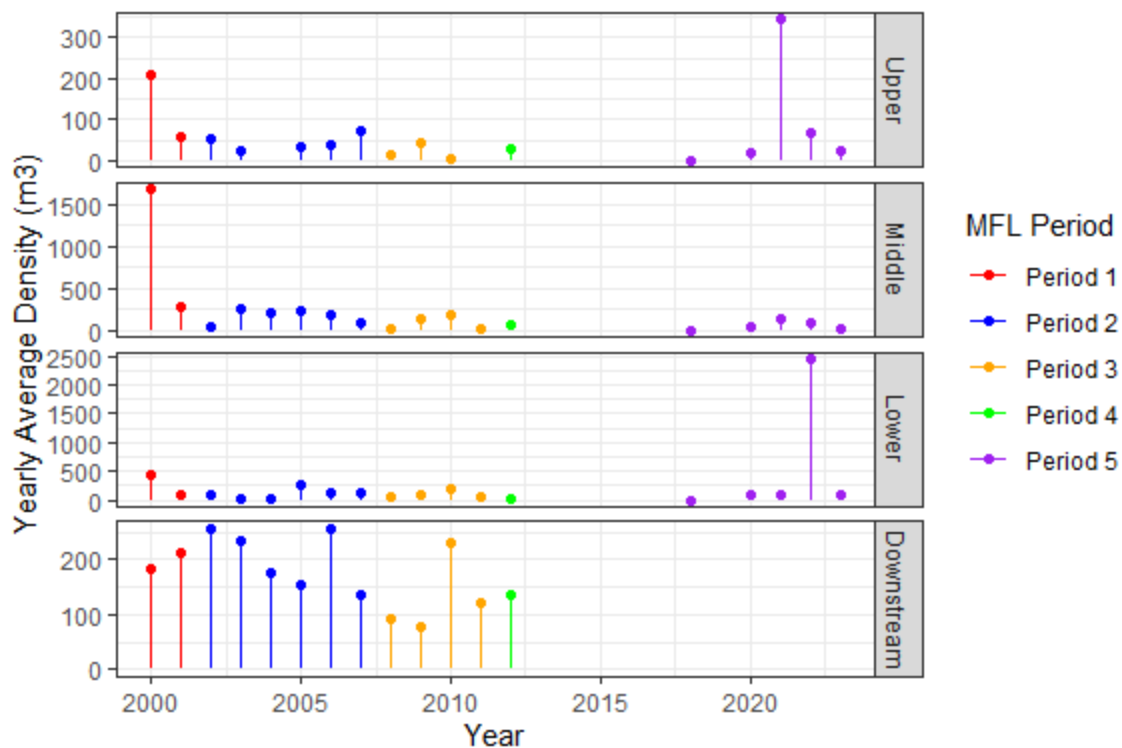
Upper	Period 2	Palaemonetes paludosus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 2	Pterygoplichthys disjunctivus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 2	Sarotherodon melanothron	result_100m2	2	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	0.00	0.00	0.00
Upper	Period 2	Syngnathus louisianae	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 2	Trachemys scripta	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 2	No fish	result_100m2	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA	NA	NaN
Upper	Period 1	Palaemonetes pugio	result_100m2	8	5.88	3611.76	180.88	18.02	285.29	267.28	245.28	589.15	1231.56	435.42	1029.61
Upper	Period 1	Gambusia holbrooki	result_100m2	14	26.47	1658.82	181.62	88.24	260.66	172.43	141.72	281.83	413.80	110.59	238.92
Upper	Period 1	Lucania parva	result_100m2	12	0.58	1063.23	73.53	5.88	212.13	206.25	100.29	227.74	351.92	101.59	223.60
Upper	Period 1	Menidia sp.	result_100m2	12	1.47	576.47	148.53	34.19	309.93	275.74	198.41	186.76	187.72	54.19	119.27
Upper	Period 1	Anchoa mitchilli	result_100m2	6	1.47	275.00	77.94	21.69	168.38	146.69	112.28	105.64	109.77	44.81	115.19
Upper	Period 1	Poecilia latipinna	result_100m2	8	4.41	166.18	88.97	19.12	131.62	112.50	98.11	82.17	65.03	22.99	54.36
Upper	Period 1	Brevoortia sp.	result_100m2	4	7.35	154.41	38.24	16.18	81.62	65.44	37.06	59.56	66.74	33.37	106.20
Upper	Period 1	Microgobius gulosus	result_100m2	2	25.00	44.12	34.56	29.78	39.34	9.56	14.17	34.56	13.52	9.56	121.46
Upper	Period 1	Gobiosoma sp.	result_100m2	4	0.19	64.71	2.21	1.15	18.38	17.23	2.04	17.33	31.60	15.80	50.29
Upper	Period 1	Trinectes maculatus	result_100m2	6	0.19	75.00	2.94	1.84	13.97	12.13	3.13	16.70	29.27	11.95	30.71
Upper	Period 1	Gobiosoma bosc	result_100m2	3	2.94	30.88	11.77	7.35	21.32	13.97	13.08	15.20	14.28	8.25	35.48
Upper	Period 1	Tilapia sp.	result_100m2	9	0.19	50.00	7.35	1.47	13.23	11.77	8.72	12.28	15.72	5.24	12.08
Upper	Period 1	Gobiosoma robustum	result_100m2	2	0.19	22.06	11.13	5.66	16.59	10.93	16.21	11.13	15.46	10.93	138.92
Upper	Period 1	Elops saurus	result_100m2	3	2.94	14.71	11.77	7.35	13.23	5.88	4.36	9.80	6.12	3.54	15.21
Upper	Period 1	Anchoa hepsetus	result_100m2	1	4.41	4.41	4.41	4.41	4.41	0.00	0.00	4.41	NA	NA	NaN
Upper	Period 1	Cyprinodon variegatus	result_100m2	3	1.47	7.35	2.94	2.21	5.15	2.94	2.18	3.92	3.06	1.77	7.61
Upper	Period 1	Lepomis macrochirus	result_100m2	2	1.47	5.88	3.68	2.57	4.78	2.21	3.27	3.68	3.12	2.21	28.03
Upper	Period 1	Leiostomus xanthurus	result_100m2	1	2.94	2.94	2.94	2.94	2.94	0.00	0.00	2.94	NA	NA	NaN
Upper	Period 1	Fundulus confluentus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 1	Fundulus grandis	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 1	Lepomis marginatus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 1	Lucania goodei	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 1	Oligoplites saurus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 1	Palaemonetes paludosus	result_100m2	1	1.47	1.47	1.47	1.47	1.47	0.00	0.00	1.47	NA	NA	NaN
Upper	Period 1	Archosargus probatocephalus	result_100m2	2	0.39	1.47	0.93	0.66	1.20	0.54	0.80	0.93	0.77	0.54	6.89

5.2.2 FIGURES

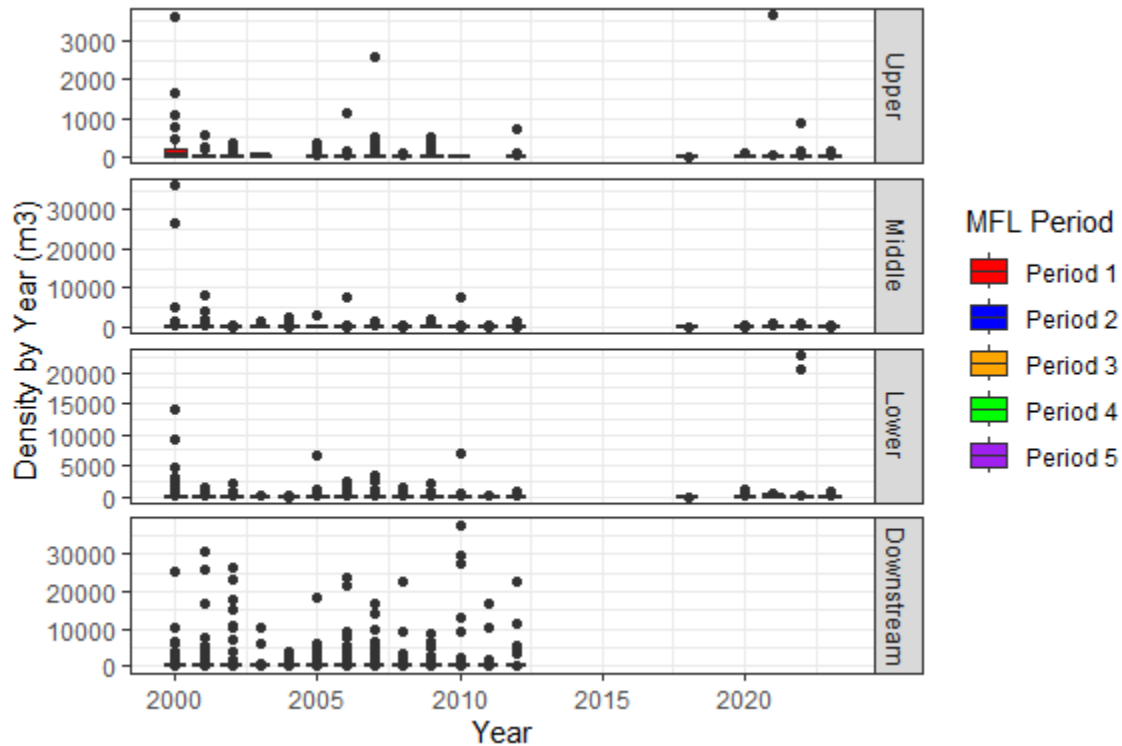
5.2.2.1 Histogram of species density



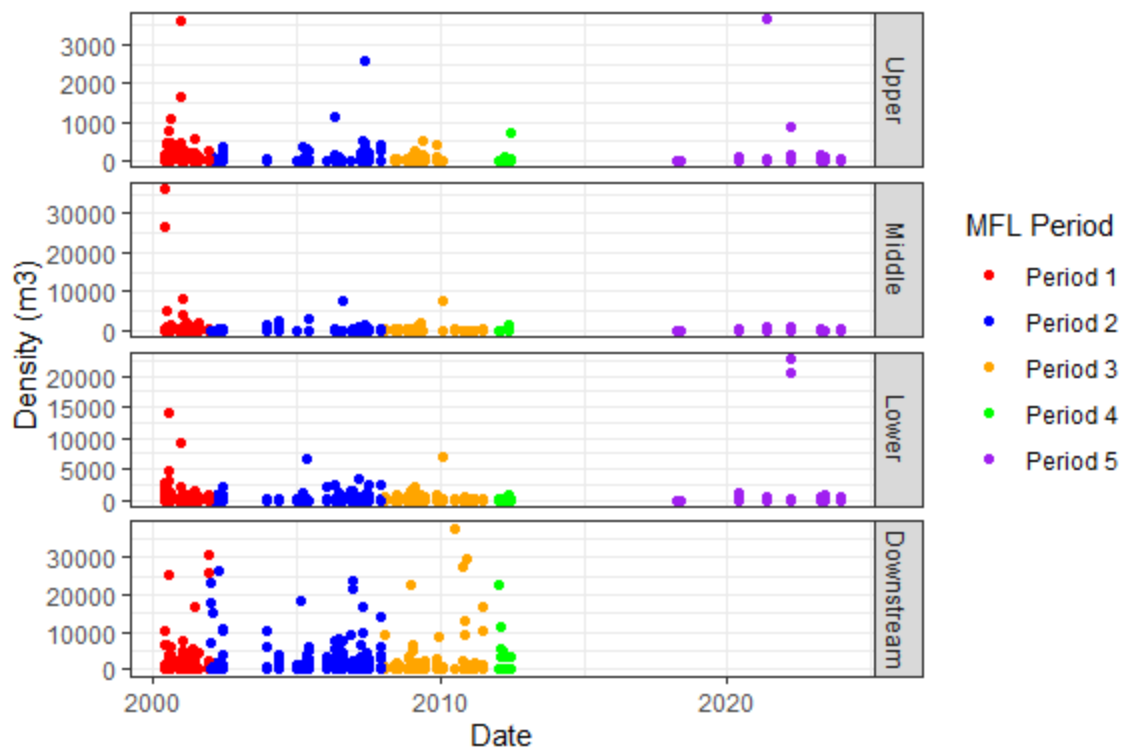
5.2.2.2 Average density over time, grouped by year of sampling.



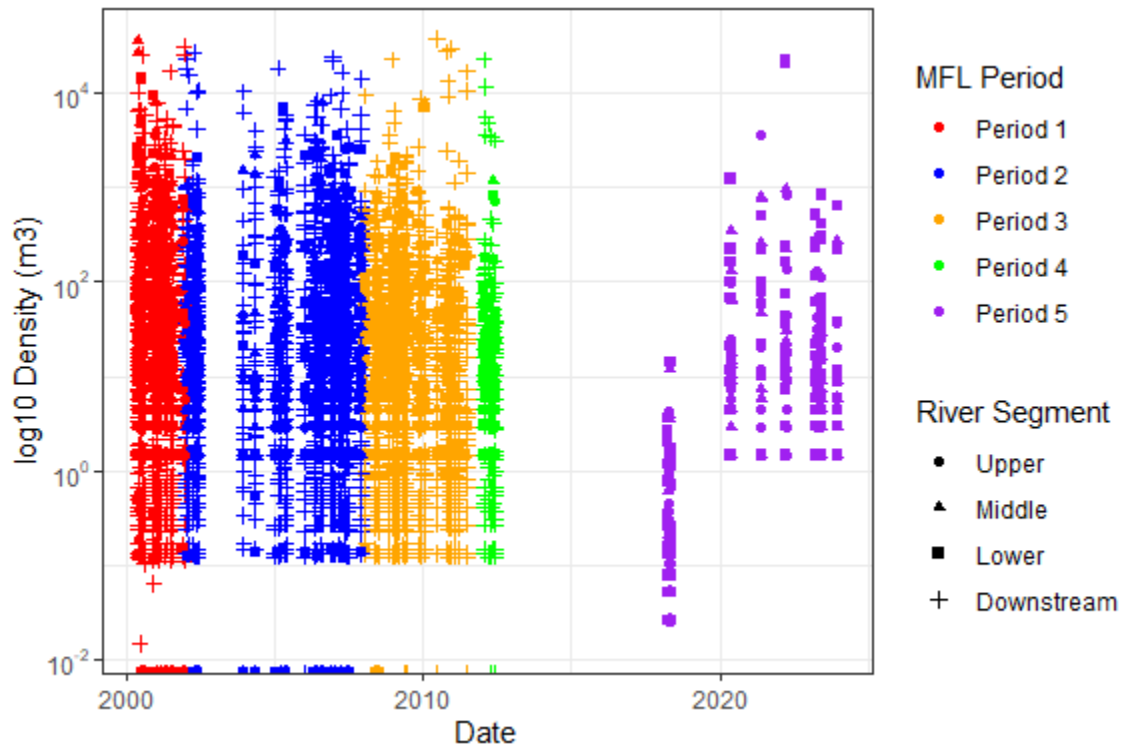
5.2.2.3 Boxplots of individual densities, grouped by year, by MFL period and river segment.



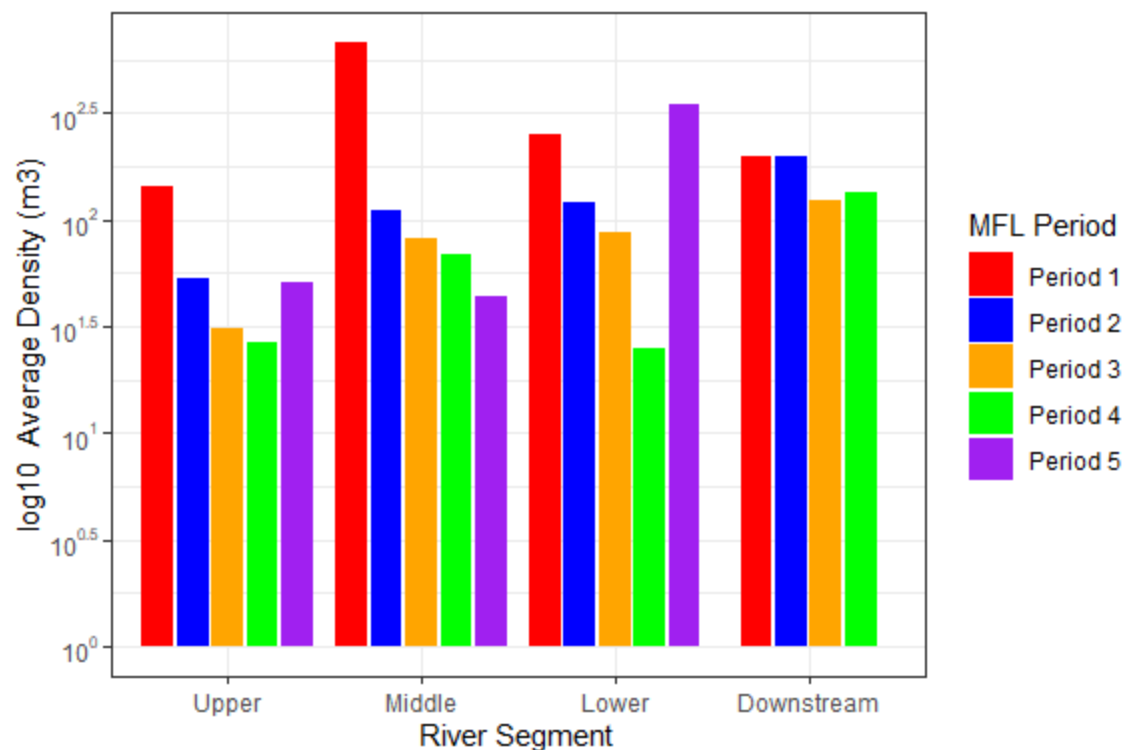
5.2.2.4 Density of individuals by MFL period and river segment.



5.2.2.5 Density of individuals by river segment and MFL period.



5.2.2.6 Density by MFL period and river segment.



5.3 DIVERSITY

5.3.1 TABLES

5.3.1.1 Diversity by Site

Site	River Segment	MFL Period	Date	Shan_div
HR100007	Downstream	Period 2	2006-06-13	0.85
HR100015	Downstream	Period 2	2002-01-03	1.05
HR100026	Downstream	Period 2	2006-04-27	1.14
HR100049	Downstream	Period 3	2010-06-23	0.87
HR100057	Downstream	Period 3	2009-11-02	0.14
HR100076	Downstream	Period 2	2006-12-13	0.56
HR100086	Downstream	Period 2	2007-05-16	1.38
HR100088	Downstream	Period 4	2012-03-12	1.52
HR100102	Downstream	Period 4	2012-06-11	0.00
HR100107	Downstream	Period 3	2008-07-07	1.96
HR100110	Downstream	Period 1	2000-05-22	1.79
HR100118	Downstream	Period 1	2000-06-16	0.81
HR100121	Downstream	Period 3	2009-05-18	1.41
HR100123	Downstream	Period 2	2002-04-17	1.19
HR100138	Downstream	Period 4	2012-03-12	1.26
HR100139	Downstream	Period 3	2010-12-06	1.85
HR100156	Downstream	Period 3	2008-07-07	0.14
HR100177	Downstream	Period 1	2001-02-13	1.24
HR100178	Downstream	Period 3	2010-12-06	2.13
HR100187	Downstream	Period 2	2005-01-06	1.41

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HR100212Downstream	Period 2	2002-05-20	1.52
HR100233Downstream	Period 3	2009-11-02	0.47
HR100241Downstream	Period 3	2011-06-20	1.17
HR100254Downstream	Period 3	2011-01-24	1.39
HR100263Downstream	Period 1	2001-01-08	1.88
HR100287Downstream	Period 2	2006-08-08	1.58
HR100292Downstream	Period 3	2009-12-07	1.21
HR100309Downstream	Period 4	2012-02-07	1.07
HR100334Downstream	Period 2	2006-12-13	1.64
HR100342Downstream	Period 3	2010-10-20	1.10
HR100345Downstream	Period 2	2005-02-08	1.56
HR100368Downstream	Period 1	2000-08-16	2.07
HR100371Downstream	Period 3	2010-10-20	1.89
HR100378Downstream	Period 3	2010-11-08	1.39
HR100379Downstream	Period 3	2010-01-20	1.35
HR100397Downstream	Period 1	2000-12-12	0.19
HR100409Downstream	Period 2	2002-01-03	1.27
HR100421Downstream	Period 3	2011-01-24	1.73
HR100423Downstream	Period 4	2012-06-11	1.04
HR100450Downstream	Period 3	2009-01-06	1.84
HR100463Downstream	Period 1	2000-06-16	0.63
HR100469Downstream	Period 4	2012-05-14	0.71
HR100483Downstream	Period 3	2008-12-16	0.38
HR100485Downstream	Period 2	2002-02-04	1.01
HR100485Downstream	Period 3	2009-11-02	0.20
HR100515Downstream	Period 3	2008-10-27	0.80
HR100520Downstream	Period 1	2001-12-11	0.19
HR100522Downstream	Period 3	2008-05-19	1.68
HR100541Downstream	Period 1	2001-03-05	0.40
HR100557Downstream	Period 3	2008-11-13	1.04
HR100559Downstream	Period 3	2009-06-03	1.55
HR100581Downstream	Period 2	2004-05-10	1.61
HR100591Downstream	Period 3	2008-12-16	1.60
HR100605Downstream	Period 1	2001-07-24	1.18
HR100613Downstream	Period 1	2001-05-14	1.46
HR100613Downstream	Period 3	2008-05-19	0.70
HR100617Downstream	Period 2	2002-04-17	1.64
HR100645Downstream	Period 2	2002-02-04	0.67
HR100652Downstream	Period 2	2005-02-08	2.15
HR100661Downstream	Period 2	2007-02-20	1.43
HR100706Downstream	Period 3	2010-01-20	0.62
HR100707Downstream	Period 3	2011-06-20	1.10
HR100709Downstream	Period 2	2006-05-08	0.52
HR100716Downstream	Period 2	2002-01-03	0.04
HR100724Downstream	Period 1	2000-05-22	0.02
HR100725Downstream	Period 2	2005-03-08	0.78
HR100727Downstream	Period 3	2009-02-04	0.87
HR100734Downstream	Period 2	2002-05-20	0.03
HR100740Downstream	Period 1	2000-07-12	0.95
HR100745Downstream	Period 3	2009-01-06	0.00
HR100752Downstream	Period 1	2000-07-12	0.12
HR100752Downstream	Period 3	2008-05-19	0.60
HR100752Downstream	Period 3	2009-01-06	2.10

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HR100756Downstream	Period 2	2006-06-13	0.98
HR100760Downstream	Period 3	2009-12-07	0.04
HR100770Downstream	Period 4	2012-01-24	0.45
HR100771Downstream	Period 3	2008-12-16	1.94
HR100781Downstream	Period 4	2012-01-24	0.64
HR100798Downstream	Period 3	2008-01-22	1.97
HR100808Downstream	Period 3	2008-06-18	1.84
HR100813Downstream	Period 2	2007-07-11	0.50
HR100819Downstream	Period 4	2012-05-14	1.60
HR100873Downstream	Period 1	2000-12-12	1.77
HR100886Downstream	Period 3	2008-11-13	1.49
HR100892Downstream	Period 3	2010-06-23	1.66
HR100914Downstream	Period 2	2005-04-27	0.69
HR100916Downstream	Period 2	2007-04-09	1.38
HR100926Downstream	Period 2	2007-05-16	1.22
HR100928Downstream	Period 1	2000-08-16	1.01
HR100934Downstream	Period 2	2007-11-26	0.84
HR100935Downstream	Period 2	2006-01-09	1.13
HR100941Downstream	Period 1	2001-06-20	0.44
HR100946Downstream	Period 3	2010-10-20	1.91
HR100950Downstream	Period 1	2001-07-24	1.84
HR100955Downstream	Period 3	2011-06-20	0.00
HR100961Downstream	Period 3	2009-06-03	1.86
HR100963Downstream	Period 3	2010-11-08	1.01
HR100967Downstream	Period 2	2003-12-15	1.99
HR100977Downstream	Period 2	2006-04-27	1.10
HR100985Downstream	Period 2	2004-05-10	0.03
HR100997Downstream	Period 2	2007-05-16	0.67
HR100999Downstream	Period 2	2007-11-26	0.83
HR101008Downstream	Period 3	2010-10-20	0.45
HR101010Downstream	Period 3	2010-06-23	0.03
HR101021Downstream	Period 2	2005-04-27	1.21
HR101023Downstream	Period 3	2010-01-20	1.37
HR101024Downstream	Period 3	2009-05-18	1.28
HR101025Downstream	Period 3	2008-06-18	1.66
HR101029Downstream	Period 3	2011-01-24	1.56
HR101043Downstream	Period 1	2001-02-13	1.84
HR101051Downstream	Period 3	2008-10-27	1.80
HR101053Downstream	Period 2	2006-08-08	0.93
HR101063Downstream	Period 2	2007-03-21	1.33
HR101071Downstream	Period 1	2001-04-17	1.24
HR101074Downstream	Period 1	2000-08-16	1.10
HR101082Downstream	Period 3	2008-01-22	1.63
HR101090Downstream	Period 3	2009-03-04	1.97
HR101103Downstream	Period 1	2001-11-28	0.42
HR101112Downstream	Period 3	2009-02-04	0.73
HR101124Downstream	Period 1	2001-07-24	0.19
HR101130Downstream	Period 2	2002-06-05	1.37
HR101135Downstream	Period 3	2011-03-16	1.31
HR101136Downstream	Period 2	2006-05-08	1.17
HR101146Downstream	Period 3	2009-04-20	1.48
HR101158Downstream	Period 2	2007-07-11	1.24
HR101165Downstream	Period 3	2009-11-02	0.08

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HR101194	Downstream	Period 1	2000-05-22	1.92
HR101195	Downstream	Period 2	2003-12-15	0.02
HR101196	Downstream	Period 3	2009-03-04	1.13
HR101202	Downstream	Period 3	2009-06-03	0.45
HR101209	Downstream	Period 2	2007-06-04	0.92
HR101213	Downstream	Period 1	2000-12-12	0.69
HR101216	Downstream	Period 3	2011-06-20	0.21
HR101259	Downstream	Period 2	2005-03-08	0.99
HR101273	Downstream	Period 2	2006-06-13	2.03
HR101276	Downstream	Period 4	2012-01-24	0.50
HR101279	Downstream	Period 2	2007-03-21	0.81
HR101290	Downstream	Period 1	2001-05-14	0.89
HR101315	Downstream	Period 2	2007-12-05	0.08
HR101320	Downstream	Period 2	2005-01-06	0.00
HR101329	Downstream	Period 3	2009-05-18	0.88
HR101332	Downstream	Period 4	2012-04-10	1.10
HR101333	Downstream	Period 2	2007-06-04	0.98
HR101338	Downstream	Period 1	2001-06-20	1.39
HR101339	Downstream	Period 3	2008-01-22	0.09
HR101341	Downstream	Period 1	2001-12-11	1.81
HR101342	Downstream	Period 3	2010-11-08	1.88
HR101356	Downstream	Period 1	2000-07-12	1.87
HR101358	Downstream	Period 2	2007-02-20	0.32
HR101376	Downstream	Period 3	2008-11-13	0.69
HR101382	Downstream	Period 3	2010-01-20	0.71
HR101387	Downstream	Period 3	2009-04-20	1.95
HR101392	Downstream	Period 2	2005-02-08	1.11
HR101394	Downstream	Period 3	2010-12-06	1.34
HR101401	Downstream	Period 3	2009-02-04	1.59
HR101403	Downstream	Period 4	2012-03-12	1.48
HR101407	Downstream	Period 1	2001-02-13	1.54
HR101419	Downstream	Period 1	2001-05-14	2.08
HR101426	Downstream	Period 3	2009-02-04	0.69
HR101439	Downstream	Period 3	2009-03-04	1.61
HR101442	Downstream	Period 1	2000-11-27	0.41
HR101446	Downstream	Period 2	2006-05-08	1.05
HR101462	Downstream	Period 2	2002-04-17	0.18
HR101464	Downstream	Period 2	2007-02-20	1.36
HR101473	Downstream	Period 2	2003-12-15	1.24
HR101473	Downstream	Period 2	2007-12-05	1.37
HR101496	Downstream	Period 1	2000-12-12	0.51
HR101501	Downstream	Period 4	2012-06-11	1.53
HR101511	Downstream	Period 3	2009-04-20	2.33
HR101514	Downstream	Period 4	2012-01-24	0.01
HR101515	Downstream	Period 3	2010-06-23	1.55
HR101519	Downstream	Period 4	2012-06-11	1.34
HR101526	Downstream	Period 2	2006-07-17	1.89
HR101532	Downstream	Period 4	2012-04-10	0.00
HR101547	Downstream	Period 3	2008-07-07	2.08
HR101565	Downstream	Period 3	2009-01-06	0.64
HR101576	Downstream	Period 2	2007-04-09	0.95
HR101613	Downstream	Period 2	2007-11-26	0.01
HR101615	Downstream	Period 2	2004-05-10	0.04

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HR101619Downstream	Period 2	2002-03-18	1.82
HR101621Downstream	Period 3	2010-12-06	0.45
HR101632Downstream	Period 3	2011-03-16	1.85
HR101681Downstream	Period 4	2012-02-07	0.11
HR101682Downstream	Period 2	2007-01-18	1.90
HR101697Downstream	Period 2	2006-07-17	1.44
HR101700Downstream	Period 1	2001-06-20	0.08
HR101713Downstream	Period 2	2005-05-18	0.00
HR101718Downstream	Period 2	2006-01-09	0.67
HR101734Downstream	Period 1	2001-01-08	0.45
HR101735Downstream	Period 2	2002-03-18	1.03
HR101752Downstream	Period 2	2002-02-04	1.10
HR101766Downstream	Period 2	2002-06-05	0.60
HR101770Downstream	Period 2	2007-03-21	1.43
HR101797Downstream	Period 2	2002-05-20	1.83
HR101800Downstream	Period 3	2011-03-16	0.70
HR101841Downstream	Period 1	2001-11-28	0.10
HR101864Downstream	Period 3	2008-10-27	0.53
HR101865Downstream	Period 3	2008-12-16	2.00
HR101867Downstream	Period 1	2001-05-14	0.44
HR101877Downstream	Period 3	2010-11-08	0.01
HR101898Downstream	Period 3	2008-01-22	0.45
HR101924Downstream	Period 1	2001-12-11	0.00
HR101924Downstream	Period 2	2005-02-08	1.61
HR101940Downstream	Period 1	2000-11-27	0.23
HR101942Downstream	Period 1	2000-11-27	0.69
HR101943Downstream	Period 3	2008-11-13	0.92
HR101958Downstream	Period 2	2006-11-13	1.33
HR101963Downstream	Period 2	2006-11-13	0.64
HR101976Downstream	Period 3	2009-12-07	1.79
HR102003Downstream	Period 3	2011-01-24	1.59
HR102004Downstream	Period 1	2001-04-17	1.73
HR102043Downstream	Period 2	2005-01-06	0.14
HR102065Downstream	Period 3	2009-12-07	1.39
HR102083Downstream	Period 3	2009-06-03	2.25
HR102101Downstream	Period 3	2008-06-18	0.80
HR102108Downstream	Period 3	2008-10-27	1.73
HR102115Downstream	Period 4	2012-02-07	1.47
HR102118Downstream	Period 2	2007-01-18	1.96
HR102139Downstream	Period 1	2001-04-17	0.30
HR102166Downstream	Period 1	2001-01-08	0.20
HR102182Downstream	Period 4	2012-04-10	0.35
HR102199Downstream	Period 2	2002-03-18	1.57
HR102208Downstream	Period 2	2005-03-08	1.38
HR102209Downstream	Period 4	2012-04-10	0.00
HR102218Downstream	Period 2	2006-07-17	1.96
HR102221Downstream	Period 1	2001-01-08	1.79
HR102221Downstream	Period 4	2012-05-14	0.69
HR102224Downstream	Period 2	2007-04-09	0.69
HR102240Downstream	Period 3	2011-03-16	0.08
HR102244Downstream	Period 4	2012-02-07	0.65
HR102250Downstream	Period 3	2009-03-04	1.99
HR102259Downstream	Period 2	2006-01-09	1.73

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HR102282Downstream	Period 2	2007-06-04	1.65
HR102287Downstream	Period 2	2006-11-13	1.31
HR102294Downstream	Period 3	2009-04-20	1.42
HR102296Downstream	Period 4	2012-05-14	1.04
HR102308Downstream	Period 1	2001-07-24	2.30
HR102314Downstream	Period 4	2012-03-12	0.89
HR102319Downstream	Period 3	2008-07-07	1.80
HR102330Downstream	Period 1	2001-03-05	1.34
HR102334Downstream	Period 2	2006-08-08	0.52
HR102340Downstream	Period 2	2007-06-04	1.69
HR102341Downstream	Period 2	2005-05-18	2.13
HR102344Downstream	Period 2	2006-12-13	0.19
HR102352Downstream	Period 2	2005-05-18	0.84
HR102352Downstream	Period 2	2006-04-27	1.46
HR102382Downstream	Period 2	2006-07-17	0.43
HR102390Downstream	Period 1	2001-03-05	1.96
HR102396Downstream	Period 2	2007-12-05	0.01
HR102398Downstream	Period 2	2006-11-13	1.91
HR102402Downstream	Period 1	2001-11-28	1.61
HR102409Downstream	Period 2	2003-12-15	1.23
HR102432Downstream	Period 2	2005-04-27	1.67
HR102432Downstream	Period 3	2009-05-18	1.39
HR102435Downstream	Period 1	2000-06-16	1.29
HR102451Downstream	Period 2	2007-01-18	0.85
HR102459Downstream	Period 2	2007-07-11	1.78
HR102465Downstream	Period 2	2007-04-09	0.84
HR102526Downstream	Period 2	2007-03-21	0.90
HR102539Downstream	Period 2	2002-06-05	1.72
HR202570Downstream	Period 3	2010-10-20	1.54
HR202577Downstream	Period 1	2001-07-24	0.07
HR202580Downstream	Period 2	2002-01-03	1.30
HR202610Downstream	Period 3	2008-12-16	2.11
HR202638Downstream	Period 2	2006-07-17	1.47
HR202648Downstream	Period 3	2010-06-23	0.91
HR202677Downstream	Period 1	2000-11-27	1.66
HR202690Downstream	Period 3	2011-06-20	1.98
HR202707Downstream	Period 3	2010-10-20	0.10
HR202711Downstream	Period 2	2006-05-08	0.21
HR202747Downstream	Period 3	2010-11-08	1.41
HR202791Downstream	Period 3	2008-07-07	1.11
HR202799Downstream	Period 1	2001-06-20	0.80
HR202812Downstream	Period 3	2009-02-04	1.34
HR202819Downstream	Period 3	2009-01-06	2.05
HR202840Downstream	Period 1	2000-12-12	0.63
HR202857Downstream	Period 2	2005-01-06	0.64
HR202858Downstream	Period 3	2009-05-18	1.29
HR202876Downstream	Period 2	2007-04-09	0.21
HR202895Downstream	Period 3	2009-04-20	1.50
HR202900Downstream	Period 2	2005-02-08	1.52
HR202903Downstream	Period 2	2002-02-04	1.17
HR202914Downstream	Period 3	2009-11-02	0.80
HR202917Downstream	Period 2	2002-01-03	1.68
HR202917Downstream	Period 3	2009-06-03	1.50

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HR202921Downstream	Period 3	2009-02-04	0.92
HR202928Downstream	Period 4	2012-06-11	0.99
HR202930Downstream	Period 2	2002-02-04	1.19
HR202943Downstream	Period 1	2000-08-16	0.99
HR202948Downstream	Period 2	2005-02-08	0.53
HR202951Downstream	Period 3	2008-05-19	1.62
HR202960Downstream	Period 2	2002-04-17	1.48
HR202970Downstream	Period 2	2007-04-09	1.99
HR202977Downstream	Period 2	2002-05-20	0.25
HR202987Downstream	Period 2	2003-12-15	0.49
HR202990Downstream	Period 2	2007-01-18	1.70
HR202996Downstream	Period 3	2011-03-16	1.07
HR203008Downstream	Period 3	2010-06-23	1.04
HR203009Downstream	Period 4	2012-02-07	1.39
HR203014Downstream	Period 2	2007-02-20	1.47
HR203021Downstream	Period 1	2001-01-08	0.44
HR203021Downstream	Period 4	2012-04-10	0.74
HR203026Downstream	Period 2	2005-04-27	1.32
HR203037Downstream	Period 3	2010-11-08	0.54
HR203043Downstream	Period 3	2008-10-27	1.68
HR203051Downstream	Period 3	2011-06-20	0.78
HR203052Downstream	Period 2	2005-03-08	1.16
HR203054Downstream	Period 3	2010-12-06	2.00
HR203055Downstream	Period 1	2000-11-27	1.74
HR203060Downstream	Period 2	2002-01-03	1.19
HR203076Downstream	Period 3	2009-04-20	1.11
HR203079Downstream	Period 3	2008-11-13	0.54
HR203089Downstream	Period 3	2009-05-18	2.07
HR203090Downstream	Period 3	2008-06-18	1.78
HR203093Downstream	Period 2	2006-05-08	1.61
HR203093Downstream	Period 4	2012-05-14	0.00
HR203113Downstream	Period 3	2009-03-04	1.46
HR203133Downstream	Period 1	2001-05-14	0.56
HR203133Downstream	Period 2	2007-11-26	1.68
HR203136Downstream	Period 3	2009-04-20	1.45
HR203139Downstream	Period 2	2005-04-27	1.00
HR203144Downstream	Period 2	2002-03-18	1.16
HR203144Downstream	Period 2	2006-11-13	0.24
HR203148Downstream	Period 3	2008-05-19	1.52
HR203153Downstream	Period 2	2003-12-15	0.99
HR203153Downstream	Period 2	2006-07-17	0.66
HR203164Downstream	Period 3	2011-01-24	0.56
HR203198Downstream	Period 2	2005-05-18	1.58
HR203205Downstream	Period 2	2005-03-08	0.92
HR203232Downstream	Period 2	2006-01-09	0.54
HR203240Downstream	Period 4	2012-04-10	1.44
HR203256Downstream	Period 2	2007-06-04	1.02
HR203274Downstream	Period 2	2006-01-09	1.09
HR203280Downstream	Period 1	2001-07-24	1.39
HR203312Downstream	Period 3	2008-01-22	1.17
HR203343Downstream	Period 3	2009-06-03	1.50
HR203367Downstream	Period 1	2000-06-16	0.65
HR203371Downstream	Period 2	2006-05-08	0.69

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HR203389Downstream	Period 3	2008-01-22	2.02
HR203395Downstream	Period 4	2012-03-12	0.18
HR203405Downstream	Period 3	2008-11-13	1.13
HR203410Downstream	Period 2	2007-12-05	0.11
HR203428Downstream	Period 2	2005-05-18	1.35
HR203438Downstream	Period 2	2007-07-11	1.55
HR203450Downstream	Period 3	2010-10-20	0.56
HR203461Downstream	Period 2	2007-03-21	1.00
HR203463Downstream	Period 1	2001-01-08	1.34
HR203471Downstream	Period 2	2007-01-18	1.37
HR203492Downstream	Period 2	2007-11-26	1.75
HR203493Downstream	Period 1	2001-02-13	1.28
HR203517Downstream	Period 4	2012-06-11	0.69
HR203525Downstream	Period 3	2008-11-13	1.95
HR203560Downstream	Period 2	2005-02-08	1.09
HR203583Downstream	Period 1	2000-12-12	0.67
HR203585Downstream	Period 2	2004-05-10	1.57
HR203599Downstream	Period 4	2012-02-07	1.47
HR203601Downstream	Period 2	2007-05-16	0.83
HR203606Downstream	Period 1	2001-11-28	0.56
HR203606Downstream	Period 2	2005-01-06	0.93
HR203609Downstream	Period 2	2006-12-13	0.44
HR203612Downstream	Period 3	2010-01-20	1.09
HR203635Downstream	Period 4	2012-01-24	2.03
HR203637Downstream	Period 2	2007-12-05	1.47
HR203637Downstream	Period 3	2008-10-27	1.95
HR203658Downstream	Period 3	2011-03-16	1.83
HR203666Downstream	Period 1	2001-01-08	1.34
HR203667Downstream	Period 2	2004-05-10	1.06
HR203697Downstream	Period 2	2007-02-20	1.47
HR203713Downstream	Period 3	2008-05-19	1.16
HR203718Downstream	Period 2	2006-07-17	0.73
HR203718Downstream	Period 3	2008-01-22	0.98
HR203723Downstream	Period 2	2007-01-18	1.53
HR203735Downstream	Period 1	2001-02-13	0.90
HR203742Downstream	Period 1	2000-06-16	1.73
HR203742Downstream	Period 4	2012-06-11	2.03
HR203747Downstream	Period 1	2001-06-20	1.50
HR203747Downstream	Period 1	2001-12-11	1.50
HR203774Downstream	Period 2	2007-04-09	1.03
HR203784Downstream	Period 2	2007-05-16	0.18
HR203821Downstream	Period 2	2007-07-11	1.15
HR203822Downstream	Period 3	2009-01-06	0.71
HR203823Downstream	Period 1	2001-12-11	0.00
HR203824Downstream	Period 2	2007-02-20	1.65
HR203845Downstream	Period 4	2012-03-12	1.10
HR203846Downstream	Period 4	2012-03-12	0.64
HR203854Downstream	Period 3	2011-01-24	1.48
HR203867Downstream	Period 4	2012-01-24	1.01
HR203876Downstream	Period 3	2011-06-20	1.25
HR203882Downstream	Period 1	2000-07-12	1.17
HR203885Downstream	Period 4	2012-04-10	0.11
HR203899Downstream	Period 1	2001-03-05	1.81

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HR203912Downstream	Period 2	2007-12-05	1.42
HR203934Downstream	Period 4	2012-06-11	1.52
HR203943Downstream	Period 3	2009-04-20	1.14
HR203949Downstream	Period 1	2001-04-17	0.74
HR203966Downstream	Period 2	2002-05-20	1.37
HR203967Downstream	Period 3	2008-05-19	2.02
HR203978Downstream	Period 1	2000-05-22	2.23
HR203978Downstream	Period 4	2012-05-14	1.32
HR203989Downstream	Period 2	2002-04-17	0.67
HR203991Downstream	Period 3	2009-11-02	0.48
HR204011Downstream	Period 2	2007-06-04	0.57
HR204019Downstream	Period 2	2006-11-13	1.57
HR204049Downstream	Period 2	2006-04-27	0.90
HR204051Downstream	Period 3	2011-01-24	1.30
HR204066Downstream	Period 2	2006-08-08	0.41
HR204068Downstream	Period 2	2005-05-18	0.57
HR204070Downstream	Period 3	2010-06-23	1.26
HR204078Downstream	Period 1	2001-04-17	0.74
HR204080Downstream	Period 3	2008-10-27	1.71
HR204120Downstream	Period 1	2000-08-16	0.50
HR204135Downstream	Period 1	2000-07-12	0.32
HR204136Downstream	Period 3	2009-11-02	1.56
HR204151Downstream	Period 3	2010-10-20	0.04
HR204154Downstream	Period 4	2012-05-14	0.56
HR204179Downstream	Period 1	2000-07-12	0.69
HR204188Downstream	Period 3	2011-03-16	1.68
HR204190Downstream	Period 3	2009-01-06	1.28
HR204191Downstream	Period 2	2007-05-16	1.95
HR204232Downstream	Period 3	2008-06-18	1.75
HR204249Downstream	Period 3	2008-06-18	1.34
HR204250Downstream	Period 2	2006-08-08	0.45
HR204250Downstream	Period 3	2009-03-04	0.46
HR204253Downstream	Period 1	2000-05-22	1.66
HR204255Downstream	Period 1	2001-12-11	0.91
HR204261Downstream	Period 2	2002-06-05	0.11
HR204262Downstream	Period 3	2009-12-07	0.68
HR204273Downstream	Period 2	2007-11-26	1.55
HR204275Downstream	Period 1	2000-11-27	0.60
HR204289Downstream	Period 3	2009-01-06	1.78
HR204292Downstream	Period 2	2006-04-27	1.62
HR204299Downstream	Period 2	2007-12-05	1.48
HR204306Downstream	Period 2	2002-06-05	0.90
HR204307Downstream	Period 2	2006-12-13	0.69
HR204326Downstream	Period 3	2010-11-08	1.00
HR204329Downstream	Period 2	2005-05-18	0.68
HR204333Downstream	Period 1	2001-06-20	1.66
HR204334Downstream	Period 1	2001-02-13	1.42
HR204342Downstream	Period 3	2010-01-20	0.92
HR204360Downstream	Period 3	2010-12-06	1.65
HR204377Downstream	Period 1	2001-11-28	0.31
HR204407Downstream	Period 2	2002-05-20	1.74
HR204417Downstream	Period 3	2008-07-07	0.66
HR204439Downstream	Period 2	2002-03-18	1.87

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HR204466Downstream	Period 3	2009-05-18	0.58
HR204470Downstream	Period 2	2006-12-13	1.99
HR204476Downstream	Period 3	2009-05-18	0.62
HR204485Downstream	Period 1	2001-05-14	0.38
HR204502Downstream	Period 1	2001-03-05	1.77
HR204530Downstream	Period 3	2008-10-27	0.64
HR204537Downstream	Period 4	2012-02-07	0.73
HR204545Downstream	Period 3	2008-06-18	2.01
HR204545Downstream	Period 3	2010-01-20	0.93
HR204546Downstream	Period 4	2012-04-10	1.15
HR204558Downstream	Period 3	2008-07-07	1.97
HR204573Downstream	Period 2	2006-06-13	0.50
HR204576Downstream	Period 2	2007-03-21	1.50
HR204587Downstream	Period 3	2009-12-07	0.37
HR204621Downstream	Period 1	2001-05-14	1.66
HR204628Downstream	Period 3	2008-12-16	1.71
HR204654Downstream	Period 1	2001-04-17	1.15
HR204664Downstream	Period 2	2007-03-21	1.39
HR204667Downstream	Period 2	2006-12-13	1.49
HR204676Downstream	Period 3	2010-06-23	1.01
HR204687Downstream	Period 3	2009-12-07	1.27
HR204691Downstream	Period 2	2003-12-15	1.41
HR204710Downstream	Period 3	2009-02-04	1.08
HR204719Downstream	Period 2	2006-08-08	0.81
HR204722Downstream	Period 3	2009-11-02	0.37
HR204731Downstream	Period 2	2002-03-18	1.04
HR204748Downstream	Period 1	2000-08-16	1.35
HR204753Downstream	Period 4	2012-01-24	1.10
HR204767Downstream	Period 3	2010-01-20	1.36
HR204774Downstream	Period 3	2009-03-04	1.31
HR204778Downstream	Period 2	2006-04-27	1.10
HR204800Downstream	Period 2	2002-05-20	1.97
HR204808Downstream	Period 2	2005-04-27	1.41
HR204809Downstream	Period 4	2012-03-12	0.00
HR204822Downstream	Period 1	2001-11-28	0.00
HR204827Downstream	Period 3	2009-06-03	1.02
HR204829Downstream	Period 2	2007-07-11	0.95
HR204846Downstream	Period 1	2001-12-11	0.66
HR204849Downstream	Period 1	2000-08-16	0.20
HR204853Downstream	Period 3	2009-02-04	0.62
HR204864Downstream	Period 2	2004-05-10	1.14
HR204874Downstream	Period 2	2007-06-04	1.45
HR204876Downstream	Period 3	2011-03-16	1.15
HR204878Downstream	Period 3	2008-12-16	0.08
HR204878Downstream	Period 3	2011-01-24	1.04
HR204880Downstream	Period 1	2000-05-22	1.81
HR204880Downstream	Period 2	2002-04-17	0.94
HR204895Downstream	Period 1	2001-07-24	1.72
HR204900Downstream	Period 1	2001-03-05	1.39
HR204907Downstream	Period 1	2000-11-27	1.44
HR204908Downstream	Period 2	2002-04-17	1.22
HR204917Downstream	Period 2	2002-06-05	1.44
HR204928Downstream	Period 3	2008-11-13	0.29

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HR204930Downstream	Period 2	2006-11-13	0.87
HR204936Downstream	Period 1	2000-06-16	1.01
HR204948Downstream	Period 2	2005-01-06	1.32
HR204951Downstream	Period 3	2009-12-07	1.91
HR204954Downstream	Period 1	2000-12-12	0.00
HR204967Downstream	Period 3	2009-03-04	0.88
HR204968Downstream	Period 2	2002-02-04	0.03
HR205017Downstream	Period 4	2012-01-24	0.90
HR205024Downstream	Period 3	2010-11-08	1.88
HR205028Downstream	Period 3	2010-12-06	1.80
HR205031Downstream	Period 2	2007-05-16	1.61
HR205032Downstream	Period 2	2006-01-09	1.20
HR205044Downstream	Period 2	2006-06-13	1.01
HR205046Downstream	Period 3	2008-12-16	1.25
HR205047Downstream	Period 4	2012-05-14	2.04
HR205049Downstream	Period 2	2005-03-08	1.56
HR205062Downstream	Period 3	2011-06-20	0.02
HR205063Downstream	Period 4	2012-02-07	0.11
HR205066Downstream	Period 2	2006-06-13	0.74
HR205071Downstream	Period 3	2010-12-06	0.04
HR205082Downstream	Period 3	2009-06-03	1.43
HR305110Downstream	Period 3	2009-12-07	0.89
HR305138Downstream	Period 2	2007-07-11	0.76
HR305147Downstream	Period 2	2006-08-08	0.17
HR305155Downstream	Period 2	2007-02-20	1.15
HR305161Downstream	Period 1	2001-06-20	0.68
HR305168Downstream	Period 2	2006-08-08	0.69
HR305170Downstream	Period 3	2008-12-16	1.29
HR305170Downstream	Period 4	2012-05-14	1.00
HR305195Downstream	Period 2	2006-07-17	0.69
HR305200Downstream	Period 3	2009-04-20	1.69
HR305202Downstream	Period 4	2012-05-14	1.62
HR305230Downstream	Period 2	2003-12-15	0.07
HR305237Downstream	Period 3	2008-07-07	1.07
HR305254Downstream	Period 3	2010-10-20	1.29
HR305269Downstream	Period 2	2007-07-11	0.64
HR305289Downstream	Period 2	2002-01-03	0.02
HR305291Downstream	Period 2	2002-05-20	0.64
HR305293Downstream	Period 2	2004-05-10	0.74
HR305311Downstream	Period 1	2001-04-17	0.00
HR305316Downstream	Period 2	2005-03-08	0.77
HR305318Downstream	Period 1	2000-05-22	0.23
HR305326Downstream	Period 1	2000-06-16	0.33
HR305331Downstream	Period 1	2001-11-28	0.02
HR305338Downstream	Period 3	2008-11-13	0.68
HR305351Downstream	Period 2	2002-01-03	0.84
HR305371Downstream	Period 4	2012-02-07	1.04
HR305378Downstream	Period 4	2012-01-24	1.46
HR305392Downstream	Period 3	2009-11-02	1.01
HR305430Downstream	Period 2	2002-01-03	1.26
HR305439Downstream	Period 2	2006-08-08	0.10
HR305441Downstream	Period 1	2001-03-05	0.69
HR305449Downstream	Period 1	2001-11-28	0.26

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HR305453Downstream	Period 3	2009-01-06	0.25
HR305467Downstream	Period 2	2002-01-03	1.40
HR305471Downstream	Period 3	2009-01-06	1.21
HR305478Downstream	Period 1	2000-11-27	0.22
HR305497Downstream	Period 2	2006-05-08	0.94
HR305497Downstream	Period 3	2008-06-18	0.42
HR305509Downstream	Period 2	2007-03-21	0.06
HR305510Downstream	Period 2	2005-05-18	0.28
HR305524Downstream	Period 1	2000-07-12	0.00
HR305538Downstream	Period 3	2008-11-13	0.38
HR305544Downstream	Period 2	2005-03-08	1.56
HR305564Downstream	Period 3	2009-11-02	0.58
HR305585Downstream	Period 3	2010-01-20	1.75
HR305586Downstream	Period 4	2012-04-10	0.64
HR305615Downstream	Period 1	2001-03-05	1.58
HR305623Downstream	Period 2	2005-04-27	0.31
HR305634Downstream	Period 2	2006-07-17	1.03
HR305639Downstream	Period 2	2002-06-05	0.06
HR305646Downstream	Period 3	2009-02-04	1.07
HR305655Downstream	Period 1	2001-12-11	0.26
HR305662Downstream	Period 3	2008-10-27	1.69
HR305674Downstream	Period 1	2001-02-13	1.68
HR305698Downstream	Period 2	2006-04-27	0.13
HR305701Downstream	Period 1	2000-12-12	0.44
HR305714Downstream	Period 3	2008-05-19	1.63
HR305721Downstream	Period 1	2001-06-20	1.27
HR305724Downstream	Period 2	2006-12-13	0.06
HR305729Downstream	Period 2	2006-05-08	0.13
HR305736Downstream	Period 1	2000-12-12	0.56
HR305763Downstream	Period 1	2000-08-16	0.64
HR305765Downstream	Period 3	2010-12-06	0.92
HR305766Downstream	Period 3	2010-12-06	0.21
HR305790Downstream	Period 2	2007-02-20	1.49
HR305792Downstream	Period 1	2000-06-16	0.82
HR305835Downstream	Period 2	2005-01-06	1.24
HR305839Downstream	Period 4	2012-05-14	1.55
HR305870Downstream	Period 2	2002-03-18	1.03
HR305875Downstream	Period 3	2008-05-19	0.93
HR305878Downstream	Period 2	2007-01-18	1.29
HR305883Downstream	Period 1	2000-05-22	2.22
HR305889Downstream	Period 2	2005-02-08	1.32
HR305889Downstream	Period 2	2005-03-08	1.21
HR305892Downstream	Period 2	2005-01-06	1.39
HR305895Downstream	Period 2	2006-01-09	0.43
HR305905Downstream	Period 3	2009-02-04	1.77
HR305906Downstream	Period 4	2012-03-12	0.50
HR305968Downstream	Period 3	2011-03-16	0.96
HR305979Downstream	Period 3	2008-12-16	0.75
HR305998Downstream	Period 1	2001-12-11	0.26
HR306000Downstream	Period 3	2008-06-18	1.42
HR306007Downstream	Period 4	2012-06-11	0.97
HR306027Downstream	Period 3	2009-02-04	0.74
HR306036Downstream	Period 3	2008-07-07	0.29

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HR306076Downstream	Period 1	2001-05-14	0.39
HR306097Downstream	Period 1	2001-07-24	0.80
HR306097Downstream	Period 2	2002-05-20	0.00
HR306103Downstream	Period 1	2001-05-14	0.81
HR306107Downstream	Period 2	2002-04-17	0.11
HR306167Downstream	Period 2	2007-12-05	0.54
HR306170Downstream	Period 3	2009-11-02	0.74
HR306182Downstream	Period 3	2010-01-20	1.84
HR306184Downstream	Period 3	2011-06-20	0.00
HR306187Downstream	Period 1	2001-06-20	0.47
HR306204Downstream	Period 2	2002-02-04	1.39
HR306208Downstream	Period 2	2002-02-04	1.23
HR306228Downstream	Period 3	2011-06-20	0.13
HR306240Downstream	Period 3	2009-01-06	1.72
HR306245Downstream	Period 2	2006-04-27	1.37
HR306247Downstream	Period 3	2009-03-04	1.96
HR306248Downstream	Period 3	2011-03-16	1.28
HR306261Downstream	Period 1	2001-04-17	1.00
HR306265Downstream	Period 3	2010-12-06	1.33
HR306265Downstream	Period 4	2012-06-11	1.61
HR306307Downstream	Period 3	2010-11-08	1.47
HR306313Downstream	Period 4	2012-05-14	1.38
HR306315Downstream	Period 1	2000-07-12	0.99
HR306324Downstream	Period 3	2009-06-03	0.00
HR306328Downstream	Period 3	2009-05-18	0.00
HR306348Downstream	Period 2	2006-11-13	0.95
HR306357Downstream	Period 4	2012-01-24	1.33
HR306371Downstream	Period 2	2007-12-05	1.58
HR306383Downstream	Period 2	2007-06-04	1.16
HR306384Downstream	Period 1	2000-05-22	1.54
HR306393Downstream	Period 1	2001-02-13	0.00
HR306395Downstream	Period 2	2005-01-06	0.00
HR306404Downstream	Period 3	2010-01-20	0.91
HR306406Downstream	Period 1	2000-08-16	0.69
HR306419Downstream	Period 2	2006-06-13	0.71
HR306421Downstream	Period 3	2008-12-16	0.71
HR306422Downstream	Period 3	2009-04-20	0.50
HR306423Downstream	Period 2	2005-05-18	0.55
HR306423Downstream	Period 3	2010-11-08	1.46
HR306441Downstream	Period 3	2011-06-20	0.00
HR306446Downstream	Period 1	2000-12-12	1.17
HR306470Downstream	Period 3	2009-11-02	1.62
HR306477Downstream	Period 3	2009-04-20	0.82
HR306489Downstream	Period 2	2006-06-13	0.00
HR306493Downstream	Period 3	2009-12-07	0.00
HR306506Downstream	Period 2	2006-11-13	0.00
HR306506Downstream	Period 4	2012-02-07	1.68
HR306518Downstream	Period 2	2004-05-10	1.37
HR306528Downstream	Period 2	2007-04-09	1.15
HR306546Downstream	Period 3	2008-12-16	1.49
HR306592Downstream	Period 3	2008-11-13	1.22
HR306596Downstream	Period 3	2011-03-16	0.99
HR306614Downstream	Period 1	2001-07-24	0.73

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HR306622Downstream	Period 2	2007-03-21	0.15
HR306631Downstream	Period 1	2001-05-14	1.66
HR306650Downstream	Period 2	2007-04-09	0.19
HR306660Downstream	Period 3	2008-06-18	0.00
HR306662Downstream	Period 2	2002-02-04	1.54
HR306662Downstream	Period 3	2008-10-27	1.13
HR306665Downstream	Period 3	2009-05-18	0.00
HR306689Downstream	Period 2	2007-05-16	1.69
HR306692Downstream	Period 2	2006-05-08	1.30
HR306700Downstream	Period 3	2009-12-07	0.00
HR306717Downstream	Period 3	2009-05-18	0.79
HR306722Downstream	Period 3	2008-11-13	1.67
HR306726Downstream	Period 3	2009-04-20	1.23
HR306733Downstream	Period 3	2011-01-24	1.22
HR306737Downstream	Period 4	2012-02-07	0.31
HR306745Downstream	Period 3	2009-06-03	1.03
HR306748Downstream	Period 2	2006-07-17	0.48
HR306757Downstream	Period 3	2009-06-03	0.00
HR306765Downstream	Period 2	2005-04-27	0.38
HR306772Downstream	Period 3	2010-12-06	1.00
HR306780Downstream	Period 4	2012-06-11	0.00
HR306783Downstream	Period 2	2006-12-13	1.75
HR306787Downstream	Period 1	2001-12-11	0.00
HR306789Downstream	Period 2	2007-05-16	1.56
HR306821Downstream	Period 1	2001-02-13	1.65
HR306826Downstream	Period 4	2012-06-11	0.00
HR306848Downstream	Period 3	2008-01-22	1.55
HR306850Downstream	Period 3	2009-03-04	1.02
HR306857Downstream	Period 2	2007-11-26	1.94
HR306862Downstream	Period 1	2001-01-08	0.62
HR306869Downstream	Period 3	2011-01-24	1.73
HR306877Downstream	Period 2	2005-05-18	0.00
HR306886Downstream	Period 1	2001-03-05	0.00
HR306894Downstream	Period 2	2007-11-26	1.87
HR306922Downstream	Period 2	2002-04-17	0.00
HR306934Downstream	Period 4	2012-01-24	0.52
HR306937Downstream	Period 4	2012-02-07	1.26
HR306940Downstream	Period 3	2010-06-23	1.41
HR306947Downstream	Period 1	2001-01-08	1.04
HR306951Downstream	Period 2	2002-04-17	0.94
HR306962Downstream	Period 1	2000-08-16	0.00
HR306964Downstream	Period 2	2006-04-27	1.59
HR306965Downstream	Period 3	2009-01-06	0.30
HR306969Downstream	Period 2	2002-03-18	1.75
HR306971Downstream	Period 2	2006-01-09	0.00
HR306972Downstream	Period 2	2007-06-04	0.64
HR306986Downstream	Period 3	2010-06-23	1.24
HR307001Downstream	Period 3	2010-11-08	1.51
HR307031Downstream	Period 3	2009-06-03	1.04
HR307043Downstream	Period 4	2012-04-10	0.00
HR307061Downstream	Period 3	2010-10-20	0.53
HR307063Downstream	Period 3	2009-12-07	1.71
HR307065Downstream	Period 2	2007-01-18	0.27

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HR307067Downstream	Period 2	2007-01-18	0.92
HR307071Downstream	Period 2	2007-07-11	0.35
HR307078Downstream	Period 4	2012-03-12	1.48
HR307087Downstream	Period 2	2006-01-09	1.13
HR307088Downstream	Period 3	2008-10-27	0.00
HR307098Downstream	Period 2	2007-12-05	1.77
HR307110Downstream	Period 2	2007-06-04	0.78
HR307121Downstream	Period 2	2006-06-13	0.28
HR307127Downstream	Period 3	2010-06-23	0.00
HR307134Downstream	Period 3	2011-03-16	0.19
HR307149Downstream	Period 1	2000-07-12	0.42
HR307179Downstream	Period 3	2011-01-24	1.04
HR307184Downstream	Period 3	2010-06-23	0.00
HR307205Downstream	Period 2	2003-12-15	1.17
HR307215Downstream	Period 1	2000-11-27	1.37
HR307217Downstream	Period 2	2007-03-21	1.24
HR307230Downstream	Period 3	2009-05-18	0.92
HR307236Downstream	Period 3	2009-02-04	1.05
HR307238Downstream	Period 2	2007-02-20	0.27
HR307258Downstream	Period 3	2008-01-22	0.67
HR307265Downstream	Period 2	2006-04-27	0.18
HR307270Downstream	Period 2	2005-02-08	1.10
HR307275Downstream	Period 4	2012-01-24	0.00
HR307291Downstream	Period 1	2001-03-05	1.25
HR307302Downstream	Period 4	2012-04-10	1.29
HR307317Downstream	Period 2	2002-06-05	0.72
HR307334Downstream	Period 3	2010-01-20	1.45
HR307338Downstream	Period 2	2006-12-13	0.50
HR307354Downstream	Period 3	2008-05-19	1.05
HR307361Downstream	Period 3	2008-10-27	1.59
HR307368Downstream	Period 1	2000-06-16	0.80
HR307370Downstream	Period 2	2006-11-13	1.14
HR307382Downstream	Period 2	2005-01-06	1.20
HR307392Downstream	Period 3	2008-01-22	1.97
HR307399Downstream	Period 4	2012-03-12	0.95
HR307400Downstream	Period 2	2005-03-08	0.00
HR307411Downstream	Period 1	2001-01-08	1.08
HR307416Downstream	Period 1	2000-11-27	1.19
HR307444Downstream	Period 3	2010-11-08	0.43
HR307446Downstream	Period 2	2005-02-08	0.00
HR307456Downstream	Period 2	2007-05-16	0.41
HR307485Downstream	Period 1	2001-07-24	0.00
HR307502Downstream	Period 3	2008-07-07	0.69
HR307513Downstream	Period 3	2010-10-20	1.24
HR307519Downstream	Period 4	2012-04-10	0.93
HR307525Downstream	Period 2	2004-05-10	0.89
HR307526Downstream	Period 2	2002-06-05	0.00
HR307547Downstream	Period 2	2007-11-26	1.21
HR307554Downstream	Period 3	2011-06-20	0.35
HR307561Downstream	Period 3	2009-03-04	1.78
HR307562Downstream	Period 3	2011-01-24	1.59
HR307564Downstream	Period 2	2003-12-15	0.62
HR307565Downstream	Period 2	2002-02-04	0.39

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HR307568Downstream	Period 1	2001-04-17	0.67
HR307568Downstream	Period 2	2007-04-09	1.08
HR307600Downstream	Period 3	2010-10-20	1.25
HR307601Downstream	Period 2	2002-03-18	0.50
HR307609Downstream	Period 1	2001-11-28	0.95
HR307617Downstream	Period 4	2012-03-12	0.65
HR307639Downstream	Period 2	2002-05-20	0.79
HR307639Downstream	Period 2	2005-04-27	0.00
HR307639Downstream	Period 3	2009-03-04	1.72
HR407654Downstream	Period 3	2009-01-06	0.81
HR407658Downstream	Period 3	2009-03-04	1.95
HR407663Downstream	Period 2	2007-02-22	1.27
HR407669Downstream	Period 2	2007-04-09	1.23
HR407696Downstream	Period 2	2006-05-08	0.72
HR407717Downstream	Period 3	2009-06-03	0.41
HR407737Downstream	Period 4	2012-06-11	1.57
HR407741Downstream	Period 2	2006-12-13	0.24
HR407743Downstream	Period 2	2006-05-08	0.30
HR407746Downstream	Period 1	2000-06-16	1.83
HR407750Downstream	Period 1	2001-02-13	0.92
HR407758Downstream	Period 3	2008-06-18	1.11
HR407765Downstream	Period 1	2000-07-11	0.24
HR407773Downstream	Period 3	2010-11-08	1.20
HR407788Downstream	Period 4	2012-05-14	1.88
HR407791Downstream	Period 1	2000-07-11	0.43
HR407795Downstream	Period 2	2007-01-18	0.22
HR407795Downstream	Period 3	2010-06-23	1.74
HR407796Downstream	Period 2	2002-05-21	1.58
HR407817Downstream	Period 3	2009-11-02	1.13
HR407833Downstream	Period 2	2005-04-27	0.06
HR407841Downstream	Period 4	2012-04-10	1.82
HR407844Downstream	Period 3	2010-12-06	1.37
HR407852Downstream	Period 1	2001-04-18	0.00
HR407865Downstream	Period 1	2000-12-12	0.95
HR407879Downstream	Period 3	2009-02-04	1.13
HR407885Downstream	Period 3	2008-06-18	0.00
HR407890Downstream	Period 2	2007-05-16	0.85
HR407891Downstream	Period 3	2008-05-19	1.64
HR407897Downstream	Period 2	2005-02-08	0.81
HR407898Downstream	Period 3	2009-12-07	1.21
HR407912Downstream	Period 2	2002-05-21	0.00
HR407914Downstream	Period 2	2002-03-18	1.11
HR407922Downstream	Period 2	2002-03-18	0.95
HR407924Downstream	Period 2	2006-08-08	0.00
HR407956Downstream	Period 2	2006-05-08	0.00
HR407971Downstream	Period 2	2006-04-27	1.05
HR407979Downstream	Period 2	2006-01-09	0.48
HR408002Downstream	Period 2	2006-12-13	0.69
HR408002Downstream	Period 2	2007-01-18	1.22
HR408006Downstream	Period 1	2001-03-05	1.64
HR408043Downstream	Period 3	2009-06-03	1.09
HR408057Downstream	Period 2	2007-07-11	0.45
HR408061Downstream	Period 1	2000-12-12	0.89

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HR408085Downstream	Period 3	2011-06-20	0.47
HR408089Downstream	Period 2	2006-11-13	1.36
HR408127Downstream	Period 2	2002-02-04	0.69
HR408135Downstream	Period 3	2009-04-20	1.18
HR408148Downstream	Period 2	2003-12-15	0.26
HR408164Downstream	Period 3	2011-01-24	1.47
HR408192Downstream	Period 3	2009-12-07	0.95
HR408202Downstream	Period 3	2008-11-13	1.42
HR408207Downstream	Period 1	2000-06-16	0.00
HR408217Downstream	Period 2	2006-01-09	0.09
HR408229Downstream	Period 2	2006-06-20	0.65
HR408255Downstream	Period 3	2010-10-20	0.21
HR408334Downstream	Period 2	2005-03-08	0.00
HR408349Downstream	Period 1	2001-02-13	1.22
HR408349Downstream	Period 1	2001-04-18	1.46
HR408372Downstream	Period 1	2000-05-23	2.15
HR408372Downstream	Period 2	2005-02-08	1.52
HR408388Downstream	Period 3	2011-06-20	0.61
HR408406Downstream	Period 2	2002-01-03	0.14
HR408408Downstream	Period 3	2009-01-06	0.66
HR408409Downstream	Period 4	2012-03-12	0.71
HR408421Downstream	Period 1	2001-03-05	0.69
HR408433Downstream	Period 1	2000-11-27	0.97
HR408439Downstream	Period 3	2009-11-02	1.71
HR408448Downstream	Period 4	2012-01-24	0.52
HR408451Downstream	Period 1	2001-05-15	1.30
HR408475Downstream	Period 2	2002-04-17	0.00
HR408482Downstream	Period 1	2000-08-15	1.01
HR408491Downstream	Period 2	2002-04-17	1.12
HR408505Downstream	Period 3	2010-06-23	0.00
HR408512Downstream	Period 2	2002-04-17	1.59
HR408524Downstream	Period 1	2000-12-12	1.05
HR408527Downstream	Period 2	2006-06-20	0.00
HR408547Downstream	Period 1	2001-11-28	0.74
HR408557Downstream	Period 2	2005-05-18	0.12
HR408563Downstream	Period 3	2009-05-18	1.69
HR408573Downstream	Period 1	2001-03-05	2.14
HR408580Downstream	Period 2	2006-07-17	0.43
HR408586Downstream	Period 1	2001-06-21	0.64
HR408621Downstream	Period 4	2012-02-07	1.31
HR408625Downstream	Period 3	2008-10-27	0.82
HR408626Downstream	Period 1	2000-11-27	0.97
HR408660Downstream	Period 2	2007-11-26	1.35
HR408660Downstream	Period 3	2011-03-16	1.20
HR408676Downstream	Period 3	2008-07-07	1.17
HR408683Downstream	Period 2	2002-03-18	0.00
HR408684Downstream	Period 2	2006-12-13	0.56
HR408693Downstream	Period 1	2001-02-13	0.74
HR408714Downstream	Period 2	2007-03-21	0.00
HR408718Downstream	Period 2	2005-03-08	1.17
HR408729Downstream	Period 2	2007-04-09	0.76
HR408731Downstream	Period 1	2000-05-23	1.50
HR408735Downstream	Period 3	2008-11-13	1.31

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HR408740Downstream	Period 3	2008-07-07	0.00
HR408757Downstream	Period 1	2001-01-09	0.35
HR408779Downstream	Period 3	2008-07-07	1.43
HR408785Downstream	Period 2	2005-04-27	0.08
HR408790Downstream	Period 2	2006-11-13	1.54
HR408791Downstream	Period 4	2012-04-10	0.81
HR408796Downstream	Period 3	2010-01-20	1.53
HR408807Downstream	Period 1	2000-11-27	0.64
HR408811Downstream	Period 2	2002-03-18	1.20
HR408815Downstream	Period 3	2011-01-24	1.29
HR408819Downstream	Period 2	2007-06-04	0.00
HR408826Downstream	Period 1	2001-12-11	0.03
HR408854Downstream	Period 3	2009-04-20	1.29
HR408861Downstream	Period 1	2001-07-25	0.26
HR408876Downstream	Period 2	2005-01-06	0.91
HR408930Downstream	Period 1	2001-11-28	0.00
HR408944Downstream	Period 2	2006-07-17	0.00
HR408951Downstream	Period 2	2006-01-09	0.00
HR408952Downstream	Period 2	2006-08-08	0.03
HR408960Downstream	Period 2	2006-04-27	0.69
HR408979Downstream	Period 4	2012-03-12	0.00
HR408981Downstream	Period 1	2001-01-09	0.75
HR409009Downstream	Period 2	2002-02-04	0.20
HR409027Downstream	Period 1	2000-06-16	1.27
HR409030Downstream	Period 4	2012-05-14	0.41
HR409034Downstream	Period 2	2002-06-05	0.00
HR409037Downstream	Period 3	2008-01-22	1.36
HR409046Downstream	Period 2	2004-05-10	0.07
HR409054Downstream	Period 2	2005-04-27	1.39
HR409063Downstream	Period 4	2012-01-24	1.15
HR409069Downstream	Period 3	2008-05-19	1.05
HR409080Downstream	Period 1	2000-05-23	1.27
HR409104Downstream	Period 2	2007-11-26	1.09
HR409109Downstream	Period 2	2007-02-22	0.41
HR409131Downstream	Period 3	2008-01-22	1.55
HR409200Downstream	Period 4	2012-06-11	0.25
HR409253Downstream	Period 3	2009-02-04	0.93
HR409267Downstream	Period 2	2005-01-06	0.96
HR409271Downstream	Period 2	2007-07-11	0.10
HR409286Downstream	Period 3	2008-12-16	1.07
HR409310Downstream	Period 3	2008-12-16	1.34
HR409323Downstream	Period 2	2006-04-27	0.32
HR409328Downstream	Period 2	2007-03-21	0.62
HR409331Downstream	Period 2	2002-01-03	1.27
HR409367Downstream	Period 2	2002-06-05	0.12
HR409372Downstream	Period 1	2000-08-15	0.39
HR409402Downstream	Period 2	2006-05-08	0.00
HR409410Downstream	Period 1	2001-11-28	0.00
HR409418Downstream	Period 1	2001-06-21	1.90
HR409423Downstream	Period 2	2006-08-08	0.06
HR409427Downstream	Period 2	2007-05-16	0.69
HR409428Downstream	Period 2	2002-02-04	0.90
HR409440Downstream	Period 3	2011-03-16	0.66

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HR409453Downstream	Period 4	2012-02-07	1.45
HR409458Downstream	Period 2	2005-05-18	0.11
HR409462Downstream	Period 3	2010-11-08	1.21
HR409476Downstream	Period 2	2006-06-20	0.69
HR409486Downstream	Period 1	2001-05-15	0.00
HR409490Downstream	Period 2	2007-07-11	0.00
HR409517Downstream	Period 3	2008-10-27	1.68
HR409537Downstream	Period 2	2002-05-21	1.07
HR409557Downstream	Period 2	2007-11-26	0.57
HR409568Downstream	Period 2	2002-01-03	1.18
HR409573Downstream	Period 2	2007-06-04	1.28
HR409612Downstream	Period 1	2001-12-11	0.69
HR409655Downstream	Period 3	2010-01-20	1.39
HR409657Downstream	Period 2	2006-01-09	0.41
HR409659Downstream	Period 2	2007-12-05	0.00
HR409667Downstream	Period 2	2007-01-18	0.00
HR409669Downstream	Period 3	2008-05-19	0.00
HR409715Downstream	Period 2	2004-05-10	0.00
HR409729Downstream	Period 3	2010-12-06	0.97
HR409734Downstream	Period 2	2007-12-05	0.36
HR409742Downstream	Period 1	2000-07-11	0.00
HR409746Downstream	Period 3	2008-01-22	1.57
HR409755Downstream	Period 1	2001-04-18	1.60
HR409763Downstream	Period 3	2009-03-04	1.92
HR409776Downstream	Period 1	2001-06-21	1.65
HR409783Downstream	Period 1	2001-07-25	0.29
HR409791Downstream	Period 2	2005-03-08	0.42
HR409791Downstream	Period 2	2005-05-18	0.00
HR409793Downstream	Period 2	2007-11-26	1.56
HR409835Downstream	Period 3	2009-05-18	0.24
HR409848Downstream	Period 2	2007-04-09	1.10
HR409858Downstream	Period 2	2006-07-17	0.10
HR409860Downstream	Period 2	2007-02-22	0.69
HR409881Downstream	Period 2	2007-03-21	1.08
HR409888Downstream	Period 3	2008-06-18	0.67
HR409892Downstream	Period 3	2010-10-20	1.34
HR409899Downstream	Period 2	2005-02-08	1.70
HR409903Downstream	Period 2	2003-12-15	0.00
HR409904Downstream	Period 2	2007-05-16	1.28
HR409912Downstream	Period 2	2004-05-10	0.86
HR409943Downstream	Period 1	2001-07-25	0.00
HR409946Downstream	Period 1	2001-06-21	0.00
HR409952Downstream	Period 2	2002-06-05	1.84
HR409957Downstream	Period 2	2003-12-15	0.43
HR409959Downstream	Period 1	2001-01-09	0.00
HR409983Downstream	Period 2	2007-06-04	1.23
HR409987Downstream	Period 2	2007-12-05	1.45
HR410009Downstream	Period 2	2006-11-13	0.00
HR410029Downstream	Period 2	2005-01-06	0.00
HR410073Downstream	Period 1	2000-08-15	0.00
HR410080Downstream	Period 1	2001-04-18	0.00
HR410179Downstream	Period 1	2001-05-15	0.83
HR410179Downstream	Period 1	2001-12-11	0.00

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HR510203Downstream	Period 1	2001-02-13	1.33
HR510216Downstream	Period 1	2001-12-11	0.00
HR510218Downstream	Period 3	2008-11-13	1.53
HR510233Downstream	Period 2	2005-04-27	0.42
HR510236Downstream	Period 4	2012-03-12	1.52
HR510239Downstream	Period 2	2007-02-22	0.64
HR510249Downstream	Period 2	2007-11-26	1.30
HR510263Downstream	Period 3	2010-11-08	1.54
HR510266Downstream	Period 1	2001-06-21	0.68
HR510289Downstream	Period 1	2000-12-12	1.67
HR510314Downstream	Period 3	2011-03-16	1.28
HR510323Downstream	Period 2	2002-01-03	0.90
HR510357Downstream	Period 2	2003-12-15	1.55
HR510395Downstream	Period 1	2001-02-13	0.56
HR510406Downstream	Period 3	2008-06-18	0.00
HR510422Downstream	Period 1	2001-07-25	0.42
HR510473Downstream	Period 3	2009-02-04	1.00
HR510478Downstream	Period 3	2010-06-23	1.46
HR510482Downstream	Period 3	2008-11-13	1.32
HR510489Downstream	Period 2	2006-04-27	0.25
HR510492Downstream	Period 2	2005-05-18	0.13
HR510509Downstream	Period 1	2001-04-18	1.43
HR510568Downstream	Period 2	2007-04-09	1.40
HR510575Downstream	Period 2	2006-05-08	1.62
HR510593Lower	Period 2	2002-03-18	0.16
HR510605Lower	Period 3	2009-05-18	0.73
HR510606Lower	Period 3	2008-10-27	0.59
HR510608Lower	Period 3	2009-02-04	0.85
HR510609Lower	Period 2	2007-02-22	0.93
HR510630Lower	Period 4	2012-02-07	1.20
HR510631Lower	Period 1	2000-12-12	0.56
HR510646Lower	Period 1	2000-07-11	0.45
HR510652Lower	Period 3	2009-11-02	1.05
HR510681Lower	Period 1	2001-07-25	0.00
HR510696Lower	Period 2	2002-05-21	0.00
HR510697Lower	Period 2	2007-03-21	0.00
HR510710Lower	Period 2	2002-04-17	0.00
HR510711Lower	Period 4	2012-05-14	0.18
HR510736Lower	Period 1	2001-11-28	0.37
HR510741Lower	Period 2	2007-06-04	0.00
HR510742Lower	Period 1	2000-05-23	0.53
HR510757Lower	Period 3	2010-12-06	1.25
HR510765Lower	Period 2	2006-01-09	0.69
HR510769Lower	Period 2	2006-04-27	0.23
HR510790Lower	Period 2	2002-06-05	0.94
HR510798Lower	Period 1	2001-06-21	0.83
HR510802Lower	Period 4	2012-04-10	1.41
HR510807Lower	Period 2	2006-12-13	0.70
HR510811Lower	Period 1	2001-04-18	0.00
HR510827Lower	Period 1	2001-11-28	0.00
HR510833Lower	Period 3	2009-04-20	1.97
HR510840Lower	Period 2	2006-08-08	0.00
HR510843Lower	Period 2	2007-12-05	0.69

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HR510849Lower	Period 4	2012-05-14	0.33
HR510852Lower	Period 2	2006-11-13	0.00
HR510862Lower	Period 4	2012-03-12	1.34
HR510863Lower	Period 1	2000-06-16	0.00
HR510875Lower	Period 2	2007-07-11	0.00
HR510884Lower	Period 2	2003-12-15	0.43
HR510887Lower	Period 2	2005-05-18	0.00
HR510892Lower	Period 3	2011-03-16	1.10
HR510898Lower	Period 1	2001-01-09	0.00
HR510909Lower	Period 1	2000-11-27	1.70
HR510953Lower	Period 3	2010-01-20	0.10
HR510953Lower	Period 3	2010-10-20	1.07
HR510970Lower	Period 2	2006-07-17	0.00
HR510972Lower	Period 1	2001-11-28	0.00
HR510991Lower	Period 1	2000-08-15	0.04
HR511005Lower	Period 2	2005-03-08	0.00
HR511006Lower	Period 2	2002-02-04	0.00
HR511025Lower	Period 2	2005-01-06	0.22
HR511027Lower	Period 2	2002-01-03	0.00
HR511032Lower	Period 2	2006-08-08	0.00
HR511034Lower	Period 1	2001-02-13	0.61
HR511056Lower	Period 2	2007-11-26	0.49
HR511062Lower	Period 3	2009-12-07	1.15
HR511096Lower	Period 2	2002-06-05	0.59
HR511102Lower	Period 1	2001-02-13	1.10
HR511109Lower	Period 3	2008-05-19	1.26
HR511112Lower	Period 2	2006-06-20	0.00
HR511123Lower	Period 2	2002-06-05	0.00
HR511138Lower	Period 2	2007-07-11	0.00
HR511142Lower	Period 2	2004-05-10	0.00
HR511147Lower	Period 2	2007-04-09	1.36
HR511149Lower	Period 4	2012-06-11	1.80
HR511155Lower	Period 1	2000-05-23	0.97
HR511167Lower	Period 2	2005-02-08	0.31
HR511177Lower	Period 2	2005-01-06	0.00
HR511190Lower	Period 1	2000-11-27	1.53
HR511194Lower	Period 2	2007-02-22	0.00
HR511197Lower	Period 2	2007-03-21	0.99
HR511215Lower	Period 1	2001-04-18	1.46
HR511224Lower	Period 2	2006-06-20	0.42
HR511235Lower	Period 2	2006-01-09	0.48
HR511237Lower	Period 2	2004-05-10	0.87
HR511243Lower	Period 1	2000-12-12	0.84
HR511263Lower	Period 2	2005-03-08	0.00
HR511264Lower	Period 2	2002-06-05	0.00
HR511280Lower	Period 1	2000-08-15	0.00
HR511317Lower	Period 4	2012-01-24	1.14
HR511324Lower	Period 3	2009-03-04	0.52
HR511340Lower	Period 2	2006-05-08	0.00
HR511341Lower	Period 2	2007-05-16	1.10
HR511356Lower	Period 3	2010-06-23	0.37
HR511370Lower	Period 3	2009-04-20	1.20
HR511372Lower	Period 1	2001-03-05	1.30

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HR511391	Lower	Period 2	2005-04-27	0.00
HR511392	Lower	Period 4	2012-04-10	0.69
HR511401	Lower	Period 1	2000-11-27	0.00
HR511414	Lower	Period 3	2008-06-18	1.41
HR511422	Lower	Period 2	2007-06-04	1.64
HR511436	Lower	Period 2	2007-03-21	0.81
HR511446	Lower	Period 2	2002-01-03	0.57
HR511453	Lower	Period 3	2008-01-22	1.13
HR511472	Lower	Period 3	2008-07-07	0.00
HR511473	Lower	Period 3	2008-12-16	0.17
HR511482	Lower	Period 1	2001-03-05	0.00
HR511486	Lower	Period 1	2001-01-09	0.69
HR511486	Lower	Period 3	2009-06-03	1.56
HR511509	Lower	Period 2	2002-03-18	0.69
HR511517	Lower	Period 1	2001-05-15	0.90
HR511518	Lower	Period 2	2006-12-13	1.10
HR511523	Lower	Period 1	2000-07-11	0.53
HR511545	Lower	Period 1	2001-05-15	0.00
HR511574	Lower	Period 3	2009-01-06	2.07
HR511595	Lower	Period 2	2007-01-18	0.00
HR511601	Lower	Period 2	2002-03-18	0.00
HR511609	Lower	Period 2	2006-11-13	0.83
HR511622	Lower	Period 2	2007-06-04	1.94
HR511664	Lower	Period 3	2011-01-24	0.97
HR511675	Lower	Period 2	2007-05-16	1.14
HR511675	Lower	Period 4	2012-01-24	1.35
HR511719	Lower	Period 2	2007-07-11	0.62
HR511729	Lower	Period 2	2005-02-08	0.31
HR511749	Lower	Period 1	2001-07-25	1.06
HR511757	Lower	Period 2	2006-08-08	1.54
HR511792	Lower	Period 3	2009-12-07	1.12
HR511795	Lower	Period 1	2001-12-11	0.00
HR511801	Lower	Period 1	2000-07-11	0.00
HR511815	Lower	Period 3	2008-06-18	0.96
HR511850	Lower	Period 2	2007-12-05	1.21
HR511867	Lower	Period 3	2010-12-06	0.63
HR511870	Lower	Period 2	2007-01-18	0.91
HR511871	Lower	Period 2	2006-11-13	1.28
HR511872	Lower	Period 2	2003-12-15	0.00
HR511880	Lower	Period 3	2009-06-03	0.38
HR511889	Lower	Period 2	2007-11-26	1.10
HR511899	Lower	Period 3	2011-01-24	1.42
HR511912	Lower	Period 2	2002-05-21	0.73
HR511921	Lower	Period 2	2007-01-18	0.93
HR511925	Lower	Period 3	2009-05-18	1.49
HR511933	Lower	Period 3	2008-10-27	1.17
HR511970	Lower	Period 2	2006-12-13	0.26
HR511980	Lower	Period 2	2002-05-21	0.99
HR511999	Lower	Period 2	2007-01-18	0.69
HR512002	Lower	Period 4	2012-06-11	1.02
HR512004	Lower	Period 3	2010-11-08	0.65
HR512012	Lower	Period 2	2006-07-17	1.19
HR512022	Lower	Period 3	2009-03-04	1.31

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HR512028	Lower	Period 2	2004-05-10	0.28
HR512030	Lower	Period 1	2000-06-16	0.85
HR512046	Lower	Period 2	2002-02-04	0.63
HR512049	Lower	Period 3	2008-01-22	0.00
HR512074	Lower	Period 1	2001-11-28	0.53
HR512103	Lower	Period 2	2005-04-27	0.08
HR512119	Lower	Period 2	2007-02-22	0.48
HR512133	Lower	Period 2	2006-07-17	1.18
HR512160	Lower	Period 3	2009-01-06	1.52
HR512167	Lower	Period 2	2005-04-27	0.69
HR512178	Lower	Period 3	2008-05-19	0.00
HR512200	Lower	Period 2	2005-03-08	0.31
HR512203	Lower	Period 4	2012-02-07	1.80
HR512235	Lower	Period 2	2005-02-08	0.69
HR512244	Lower	Period 3	2011-06-20	0.72
HR512258	Lower	Period 1	2001-06-21	0.00
HR512260	Lower	Period 2	2006-06-20	0.00
HR512296	Lower	Period 3	2009-11-02	0.89
HR512391	Lower	Period 3	2010-01-20	1.05
HR512407	Lower	Period 2	2002-04-17	0.53
HR512410	Lower	Period 1	2001-03-05	1.62
HR512422	Lower	Period 3	2008-01-22	1.53
HR512426	Lower	Period 2	2002-02-04	1.76
HR512428	Lower	Period 2	2006-04-27	0.00
HR512433	Lower	Period 2	2007-12-05	0.00
HR512436	Lower	Period 2	2006-05-08	0.70
HR512458	Lower	Period 3	2010-10-20	1.15
HR512472	Lower	Period 1	2000-05-23	0.50
HR512490	Lower	Period 2	2006-01-09	0.34
HR512518	Lower	Period 1	2001-05-15	1.27
HR512529	Lower	Period 1	2001-12-11	0.06
HR512535	Middle	Period 2	2004-05-10	0.17
HR512537	Lower	Period 3	2011-06-20	0.20
HR512541	Lower	Period 3	2008-07-07	1.53
HR512549	Lower	Period 1	2000-06-16	1.55
HR512589	Middle	Period 1	2001-01-09	0.77
HR512593	Middle	Period 2	2007-05-16	1.27
HR512594	Middle	Period 1	2000-08-15	0.63
HR512609	Middle	Period 2	2006-06-20	1.69
HR512617	Middle	Period 2	2006-08-08	0.05
HR512626	Middle	Period 2	2007-04-09	0.00
HR512640	Middle	Period 2	2002-04-17	1.69
HR512640	Middle	Period 3	2008-05-19	1.32
HR512649	Middle	Period 3	2008-07-07	1.64
HR512675	Middle	Period 2	2005-01-06	0.97
HR512692	Middle	Period 2	2005-05-18	0.10
HR512698	Middle	Period 3	2008-12-16	1.13
HR512708	Middle	Period 2	2007-07-11	0.46
HR612749	Middle	Period 4	2012-05-14	0.33
HR612802	Middle	Period 1	2001-07-25	1.01
HR612804	Middle	Period 3	2010-11-08	1.78
HR612832	Middle	Period 1	2001-04-18	1.84
HR612833	Middle	Period 4	2012-02-07	0.97

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HR612847Middle	Period 2	2004-05-10	0.73
HR612951Middle	Period 3	2008-12-16	1.03
HR612966Middle	Period 1	2000-06-16	0.67
HR612972Middle	Period 2	2002-03-18	0.00
HR612974Middle	Period 3	2010-11-08	1.49
HR612977Middle	Period 2	2007-02-22	0.89
HR612987Middle	Period 3	2011-01-24	0.00
HR613036Middle	Period 2	2007-11-26	1.15
HR613038Middle	Period 1	2001-12-11	0.11
HR613054Middle	Period 1	2001-03-05	0.95
HR613081Middle	Period 2	2007-01-18	1.19
HR613106Middle	Period 1	2000-05-23	0.70
HR613107Middle	Period 2	2007-04-09	1.48
HR613109Middle	Period 2	2007-01-18	1.05
HR613158Middle	Period 1	2001-11-28	0.80
HR613162Middle	Period 3	2009-01-06	1.05
HR613206Middle	Period 3	2008-01-22	1.64
HR613247Middle	Period 3	2011-03-16	0.69
HR613272Middle	Period 2	2004-05-10	0.09
HR613281Middle	Period 2	2002-04-17	1.41
HR613286Middle	Period 3	2010-10-20	1.20
HR613301Middle	Period 3	2010-10-20	0.94
HR613314Middle	Period 3	2011-03-16	1.12
HR613374Middle	Period 3	2008-11-13	0.69
HR613389Middle	Period 3	2011-06-20	0.17
HR613409Middle	Period 3	2008-01-22	0.90
HR613419Middle	Period 2	2006-12-13	0.14
HR613456Middle	Period 2	2006-05-08	1.42
HR613475Middle	Period 1	2001-01-09	0.92
HR613496Middle	Period 3	2009-05-18	1.21
HR613538Middle	Period 2	2002-02-04	1.73
HR613590Middle	Period 2	2006-07-17	1.97
HR613603Middle	Period 3	2011-01-24	0.38
HR613615Middle	Period 2	2007-06-04	1.85
HR613632Middle	Period 3	2009-03-04	0.89
HR613644Middle	Period 2	2002-04-17	0.21
HR613646Middle	Period 2	2006-04-27	0.14
HR613647Middle	Period 2	2002-01-03	0.78
HR613668Middle	Period 1	2001-01-09	0.93
HR613717Middle	Period 3	2009-04-20	0.59
HR613766Middle	Period 1	2001-04-18	1.32
HR613801Middle	Period 2	2007-11-26	1.38
HR613808Middle	Period 2	2003-12-15	0.11
HR613875Middle	Period 2	2006-07-17	0.41
HR613913Middle	Period 3	2010-06-23	1.72
HR613914Middle	Period 1	2001-05-15	1.75
HR613943Middle	Period 2	2006-12-13	0.42
HR613943Middle	Period 3	2010-06-23	0.13
HR613998Middle	Period 3	2011-06-20	0.00
HR614042Middle	Period 2	2002-05-21	0.72
HR614051Middle	Period 2	2002-01-03	0.16
HR614074Middle	Period 3	2008-06-18	0.70
HR614123Middle	Period 1	2000-07-11	0.85

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HR614124	Middle	Period 3	2010-12-06	0.85
HR614126	Middle	Period 1	2000-11-27	0.90
HR614138	Middle	Period 2	2005-05-18	0.40
HR614205	Middle	Period 4	2012-01-24	1.49
HR614206	Middle	Period 3	2010-01-20	0.01
HR614228	Middle	Period 3	2010-12-06	0.66
HR614231	Middle	Period 1	2000-11-27	1.65
HR614240	Middle	Period 2	2007-03-21	1.71
HR614263	Middle	Period 2	2007-02-22	0.53
HR614263	Middle	Period 4	2012-02-07	1.00
HR614272	Middle	Period 3	2008-07-07	1.49
HR614362	Middle	Period 3	2008-10-27	0.48
HR614397	Middle	Period 3	2008-07-07	1.55
HR614399	Middle	Period 1	2001-03-05	0.86
HR614402	Middle	Period 2	2006-11-13	1.22
HR614473	Upper	Period 1	2001-07-25	1.34
HR614492	Upper	Period 4	2012-04-10	1.30
HR614506	Upper	Period 3	2009-06-03	0.95
HR614513	Upper	Period 2	2006-08-08	1.51
HR614523	Upper	Period 3	2008-10-27	1.23
HR614541	Upper	Period 2	2006-05-08	0.13
HR614557	Upper	Period 4	2012-06-11	1.31
HR614562	Upper	Period 2	2006-01-09	1.21
HR614573	Upper	Period 1	2001-02-13	1.30
HR614577	Upper	Period 3	2009-06-03	1.20
HR614584	Upper	Period 2	2002-02-04	0.81
HR614584	Upper	Period 3	2009-11-02	0.36
HR614592	Upper	Period 3	2008-12-16	0.71
HR614692	Upper	Period 3	2009-05-18	0.91
HR614694	Upper	Period 2	2005-04-27	0.92
HR614696	Upper	Period 3	2009-01-06	1.07
HR614713	Upper	Period 3	2009-02-04	1.25
HR614770	Upper	Period 2	2002-06-05	1.91
HR614773	Upper	Period 2	2002-03-18	0.98
HR614792	Upper	Period 2	2007-05-16	1.56
HR614845	Upper	Period 4	2012-01-24	1.59
HR614859	Upper	Period 3	2009-11-02	0.81
HR614880	Upper	Period 1	2000-07-11	1.21
HR614888	Upper	Period 2	2006-06-20	2.01
HR614907	Upper	Period 2	2002-06-05	1.44
HR614912	Upper	Period 2	2005-01-06	0.00
HR614981	Upper	Period 2	2006-11-13	0.00
HR614985	Upper	Period 2	2007-07-11	1.49
HR614992	Upper	Period 1	2001-02-13	0.57
HR614993	Upper	Period 2	2006-04-27	0.80
HR615034	Upper	Period 3	2008-11-13	1.63
HR615055	Upper	Period 1	2000-12-12	1.46
HR615063	Upper	Period 2	2005-04-27	0.38
HR615066	Upper	Period 2	2006-01-09	0.00
HR615069	Upper	Period 1	2001-12-11	0.66
HR615070	Upper	Period 3	2010-01-20	0.50
HR615106	Upper	Period 2	2005-02-08	0.00
HR615136	Upper	Period 2	2007-05-16	0.87

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HR615162	Upper	Period 2	2007-04-09	1.35
HR615173	Upper	Period 2	2007-12-05	0.34
HR615209	Upper	Period 2	2007-06-04	1.62
HR615215	Upper	Period 3	2009-03-04	1.42
HR615223	Upper	Period 4	2012-05-14	1.77
HR615235	Upper	Period 2	2005-05-18	0.89
HR615240	Upper	Period 3	2008-05-19	1.54
HR615311	Upper	Period 3	2008-05-19	1.64
HR615316	Upper	Period 3	2009-12-07	0.00
HR615318	Upper	Period 2	2007-03-21	1.18
HR615336	Upper	Period 4	2012-03-12	0.76
HR615346	Upper	Period 2	2005-03-08	0.62
HR615386	Upper	Period 4	2012-03-12	1.10
HR615419	Upper	Period 1	2001-11-28	0.41
HR615441	Upper	Period 1	2000-06-16	1.58
HR615496	Upper	Period 1	2001-06-21	1.32
HR615566	Upper	Period 1	2001-05-15	1.16
HR615568	Upper	Period 1	2000-12-12	0.86
HR615571	Upper	Period 2	2005-03-08	0.69
HR615588	Upper	Period 3	2009-04-20	1.09
HR615605	Upper	Period 2	2007-12-05	0.63
HR615621	Upper	Period 2	2006-08-08	1.70
HR615623	Upper	Period 1	2000-05-23	1.68
HR615637	Upper	Period 3	2009-12-07	0.81
HR615663	Upper	Period 2	2003-12-15	0.14
HR615720	Upper	Period 1	2000-05-23	1.84
HR615786	Upper	Period 3	2009-02-04	1.03
HR615843	Upper	Period 2	2006-06-20	1.62
HR615851	Upper	Period 1	2001-06-21	0.83
HR615945	Upper	Period 3	2008-06-18	1.20
HR615965	Upper	Period 2	2007-07-11	1.14
HR615967	Upper	Period 2	2002-05-21	0.92
HR616003	Upper	Period 2	2005-02-08	0.69
HR616034	Upper	Period 4	2012-06-11	0.05
HR616044	Upper	Period 4	2012-04-10	0.40
HR616071	Upper	Period 2	2005-01-06	1.04
HR616073	Upper	Period 1	2000-08-15	1.15
HR616133	Upper	Period 1	2000-08-15	1.41
Lower A	Lower	Period 5	2018-04-09	1.54
Lower A	Lower	Period 5	2018-05-07	0.42
Lower A	Lower	Period 5	2020-05-16	0.91
Lower A	Lower	Period 5	2021-05-23	1.00
Lower A	Lower	Period 5	2022-03-26	0.12
Lower A	Lower	Period 5	2023-04-05	0.71
Lower A	Lower	Period 5	2023-06-02	1.74
Lower A	Lower	Period 5	2023-12-14	0.38
Lower B	Lower	Period 5	2018-04-09	1.35
Lower B	Lower	Period 5	2018-05-07	1.26
Lower B	Lower	Period 5	2020-05-16	1.01
Lower B	Lower	Period 5	2021-05-23	0.64
Lower B	Lower	Period 5	2022-03-26	0.07
Lower B	Lower	Period 5	2023-04-05	1.46
Lower B	Lower	Period 5	2023-06-02	0.80

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Lower B	Lower	Period 5	2023-12-14	0.68
Middle A	Middle	Period 5	2018-04-09	1.22
Middle A	Middle	Period 5	2018-05-07	0.95
Middle A	Middle	Period 5	2020-05-16	0.98
Middle A	Middle	Period 5	2021-05-23	0.29
Middle A	Middle	Period 5	2022-03-26	0.42
Middle A	Middle	Period 5	2023-04-05	1.03
Middle A	Middle	Period 5	2023-06-02	1.01
Middle A	Middle	Period 5	2023-12-14	0.23
Middle B	Middle	Period 5	2018-04-09	1.48
Middle B	Middle	Period 5	2018-05-07	1.15
Middle B	Middle	Period 5	2020-05-16	1.12
Middle B	Middle	Period 5	2021-05-23	0.64
Middle B	Middle	Period 5	2022-03-26	0.81
Middle B	Middle	Period 5	2023-04-05	0.16
Middle B	Middle	Period 5	2023-06-02	1.66
Middle B	Middle	Period 5	2023-12-14	0.85
Upper A	Upper	Period 5	2018-04-09	1.48
Upper A	Upper	Period 5	2018-05-07	1.37
Upper A	Upper	Period 5	2020-05-16	1.24
Upper A	Upper	Period 5	2021-05-23	0.10
Upper A	Upper	Period 5	2022-03-26	0.55
Upper A	Upper	Period 5	2023-04-05	1.79
Upper A	Upper	Period 5	2023-06-02	1.43
Upper A	Upper	Period 5	2023-12-14	0.53
Upper B	Upper	Period 5	2018-04-09	1.82
Upper B	Upper	Period 5	2018-05-07	1.78
Upper B	Upper	Period 5	2020-05-16	1.16
Upper B	Upper	Period 5	2021-05-23	0.31
Upper B	Upper	Period 5	2022-03-26	0.39
Upper B	Upper	Period 5	2023-04-05	1.38
Upper B	Upper	Period 5	2023-06-02	0.82
Upper B	Upper	Period 5	2023-12-14	0.59

5.3.1.2 Diversity by segment

River SegmentShan_div	
Upper	2.2
Middle	1.8
Lower	1.9
Downstream	1.5

5.3.1.3 Diversity by period

MFL PeriodShan_div	
Period 1	1.83
Period 2	1.44
Period 3	1.55
Period 4	0.90
Period 5	0.67

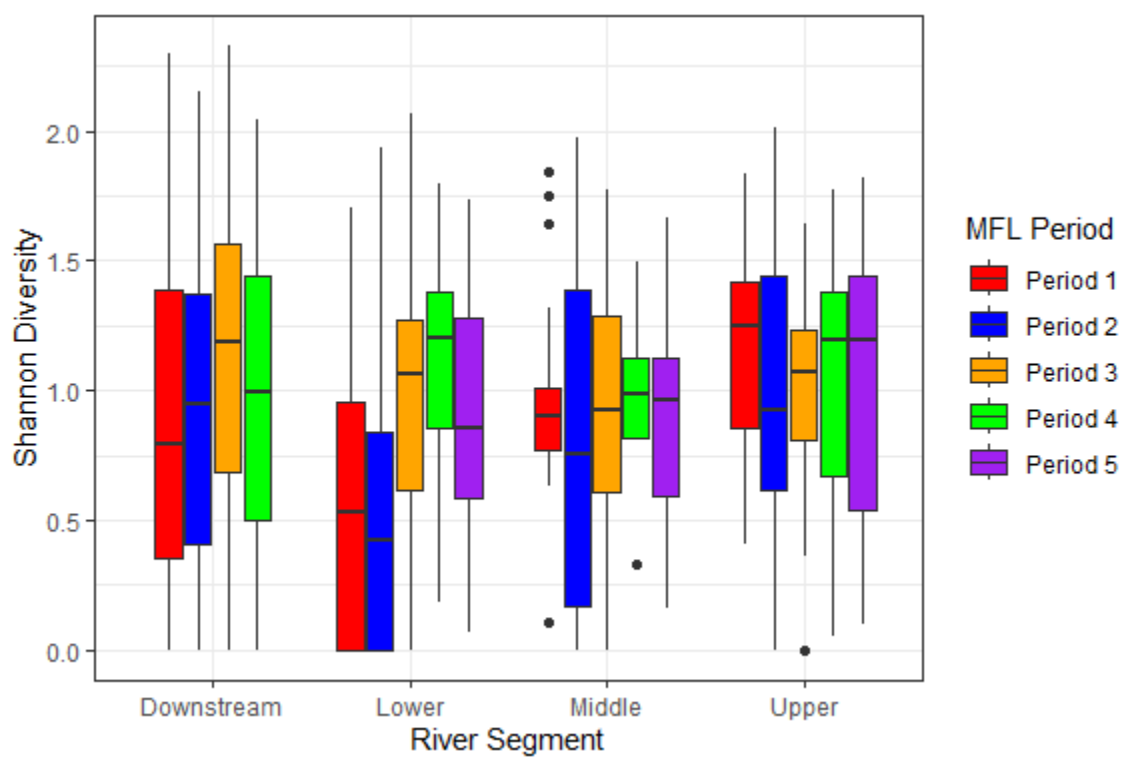
5.3.1.4 Diversity by segment and period

River SegmentMFL PeriodShan_div	

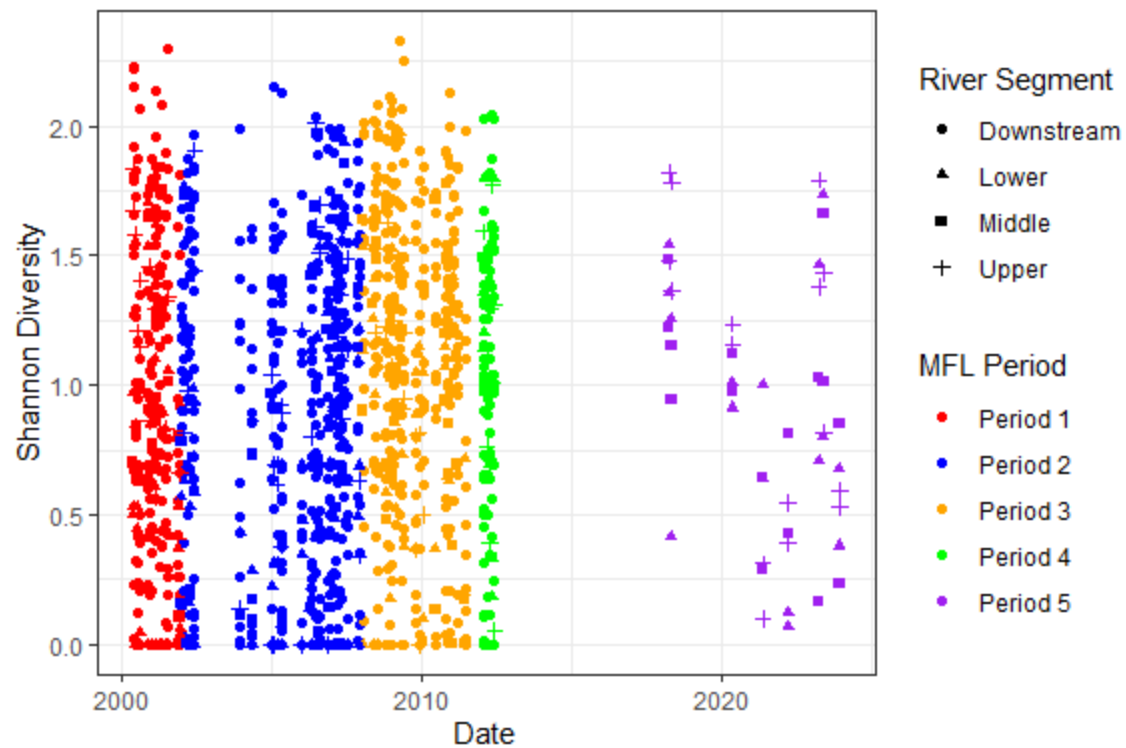
Upper	Period 1	1.79
Upper	Period 2	1.86
Upper	Period 3	1.67
Upper	Period 4	1.24
Upper	Period 5	1.08
Middle	Period 1	1.41
Middle	Period 2	1.37
Middle	Period 3	1.20
Middle	Period 4	0.50
Middle	Period 5	1.04
Lower	Period 1	1.57
Lower	Period 2	1.27
Lower	Period 3	2.02
Lower	Period 4	1.67
Lower	Period 5	0.51
Downstream	Period 1	1.57
Downstream	Period 2	1.31
Downstream	Period 3	1.43
Downstream	Period 4	0.76

5.3.2 FIGURES

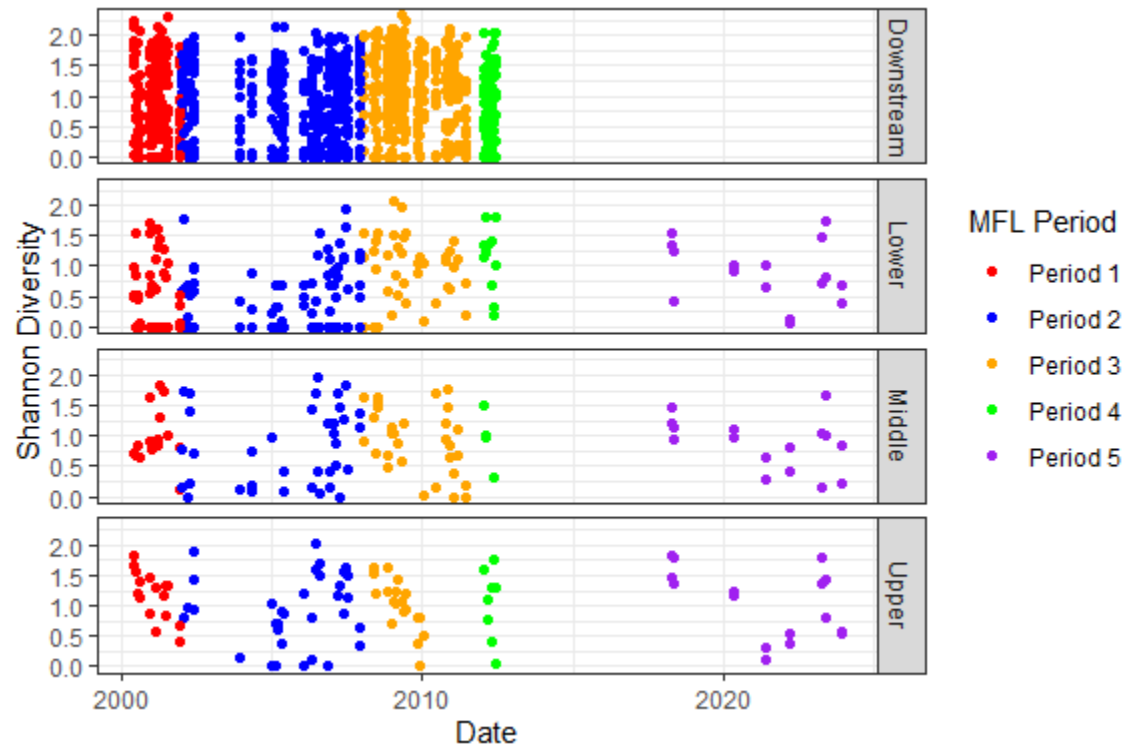
5.3.2.1 Boxplot of site level diversity by MFL period and river segment



5.3.2.2 Site level diversity over time



5.3.2.3 Site level diversity over time by MFL period and river segment



5.4 RICHNESS

5.4.1 TABLES

5.4.1.1 Total number of taxa (richness) of organisms found in the entire data set.

x
143

5.4.1.2 Richness across MFL periods by river segment.

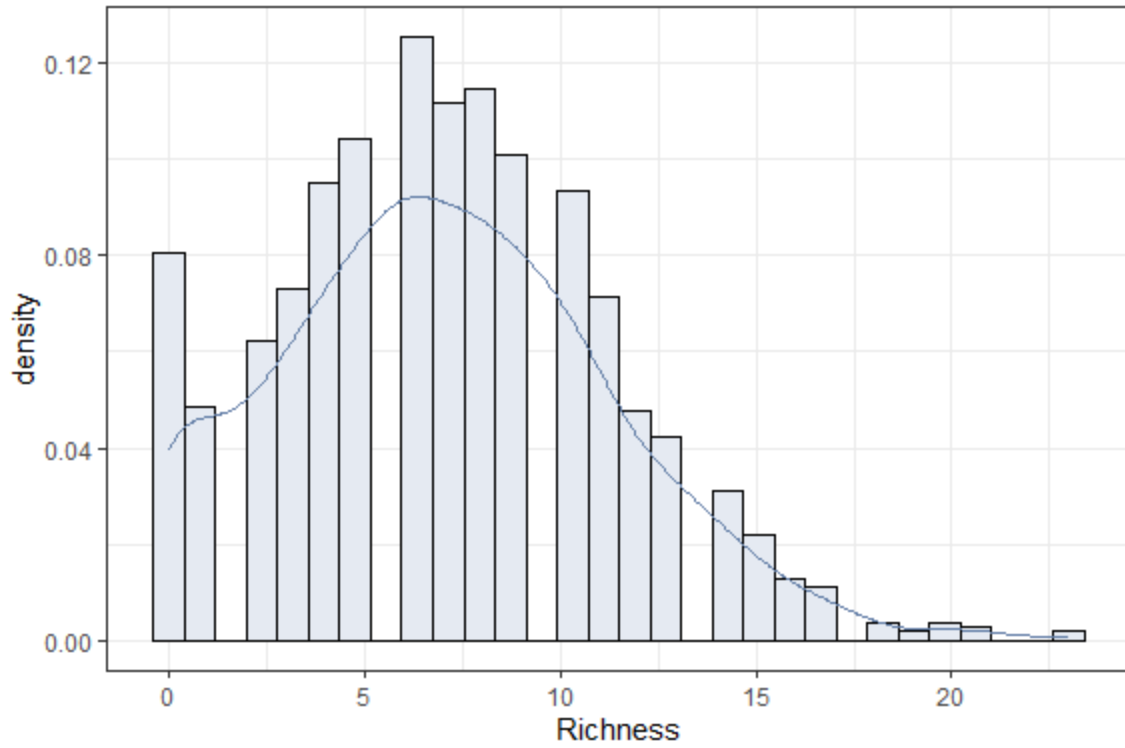
River Segment	Period 1	Period 2	Period 3	Period 4	Period 5	Segment Richness
Upper	25	44	25	15	25	58
Middle	31	44	37	13	32	66
Lower	38	46	46	28	34	68
Downstream	72	94	98	56	NA	116

5.4.1.3 Richness across river segments by MFL period.

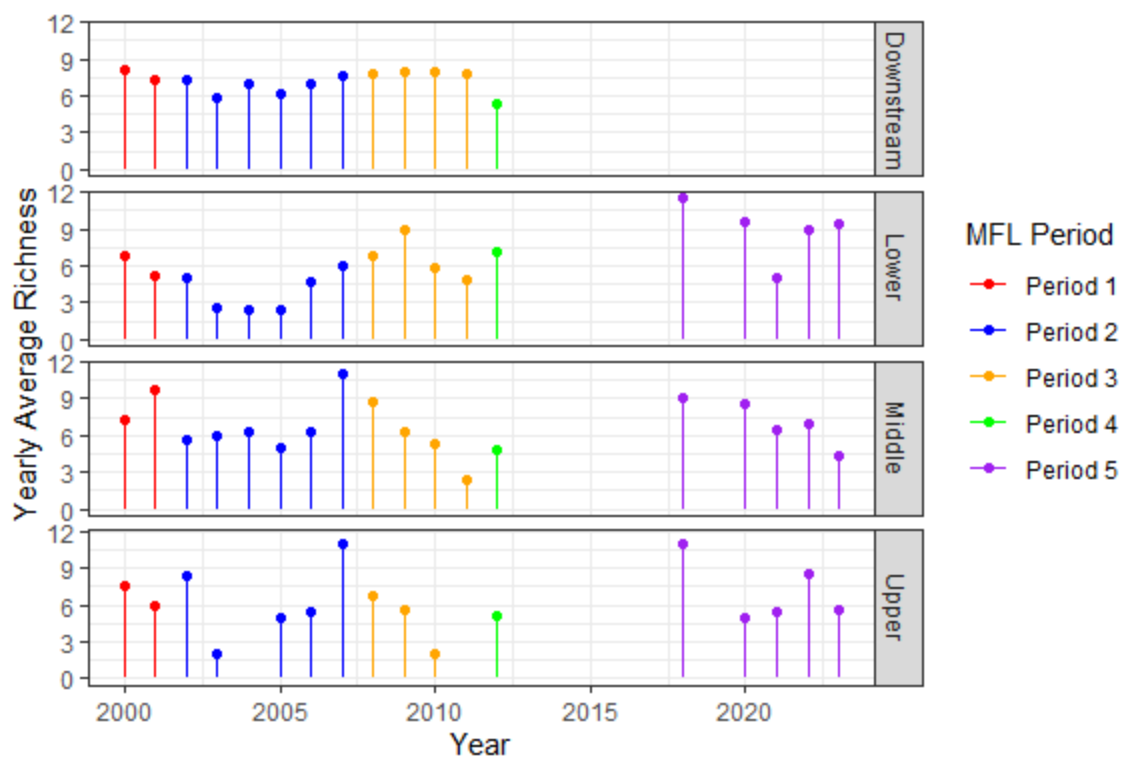
MFL Period	Upper	Middle	Lower	Downstream	Period Richness
Period 1	25	31	38	72	82
Period 2	44	44	46	94	110
Period 3	25	37	46	98	110
Period 4	15	13	28	56	68
Period 5	25	32	34	NA	50

5.4.2 FIGURES

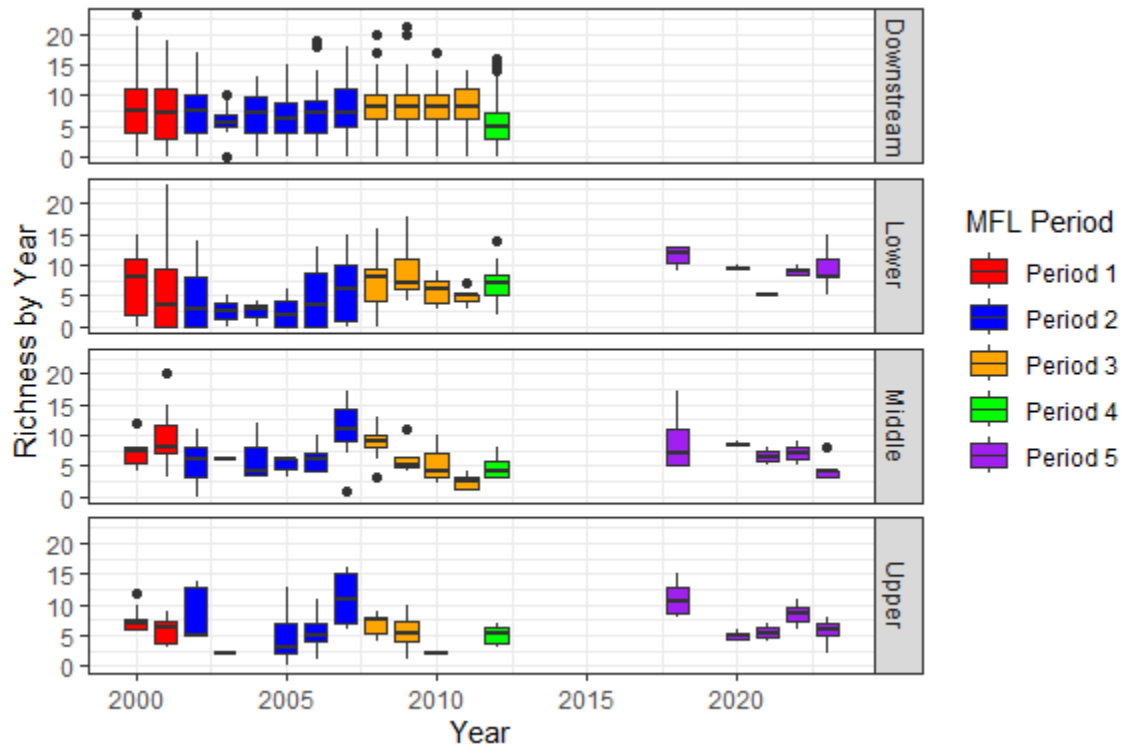
5.4.2.1 Histogram of species richness



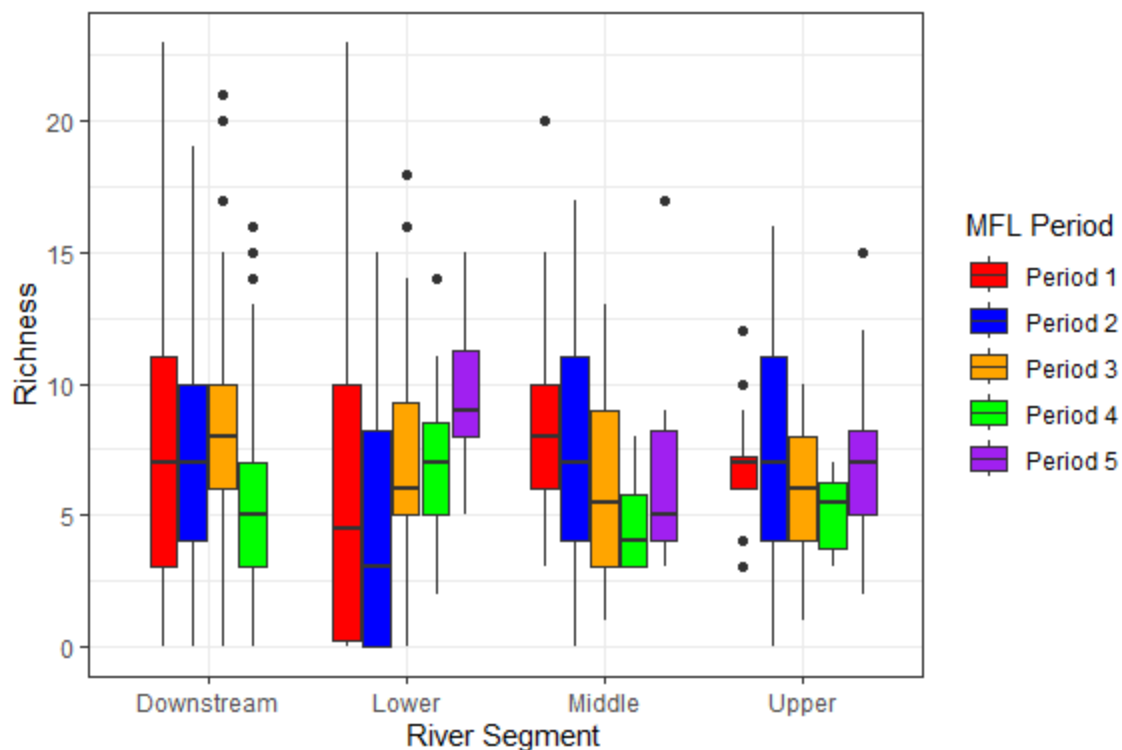
5.4.2.2 Average richness over time, grouped by year of samplin, by MFL period and river segment.



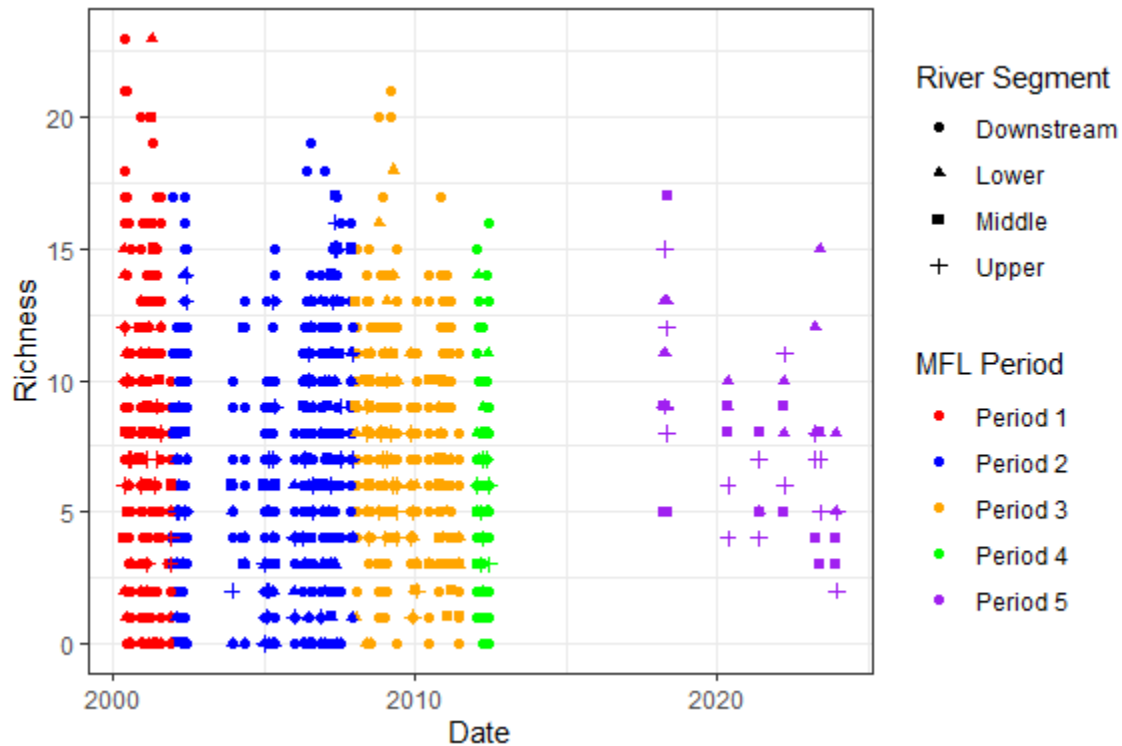
5.4.2.3 Boxplots of richness, grouped by year, by MFL period and river segment.



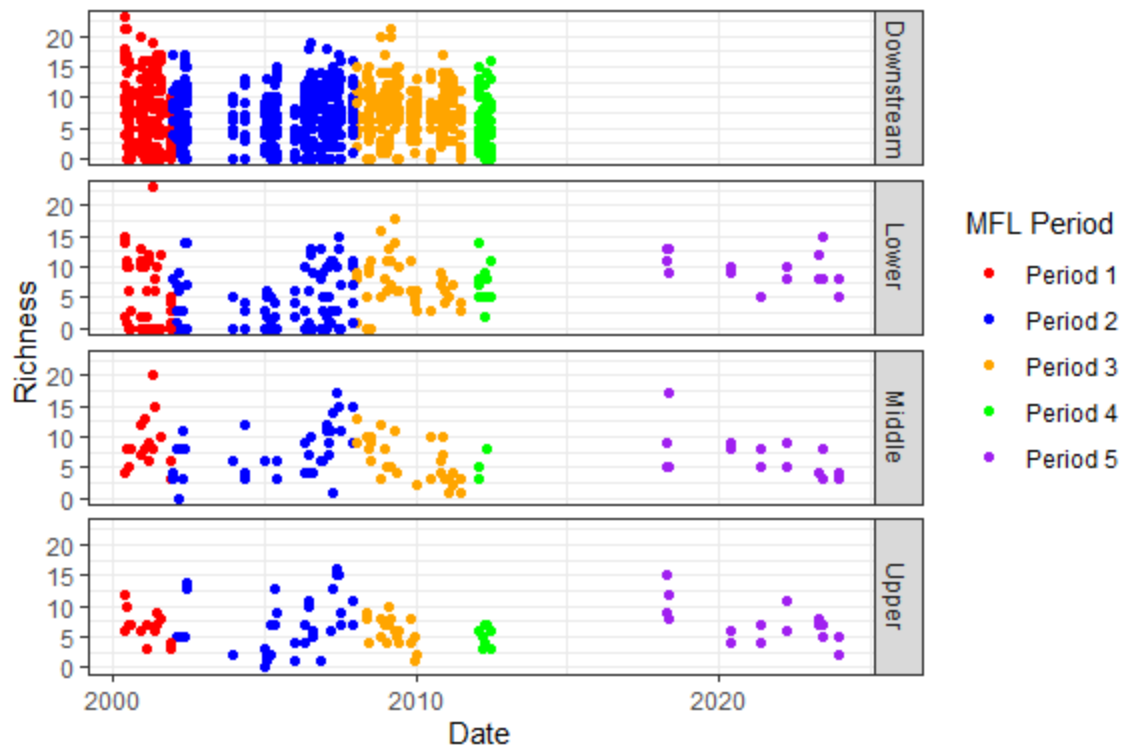
5.4.2.4 Boxplot of site level richness by MFL period and river segment.



5.4.2.5 site level richness over time



5.4.2.6 Site level richness over time by MFL period and river segment



5.4.2.7 Taxa richness by MFL period and river segment

