Data Final

Kaleb

2022-11-28

Leaflet works, epic

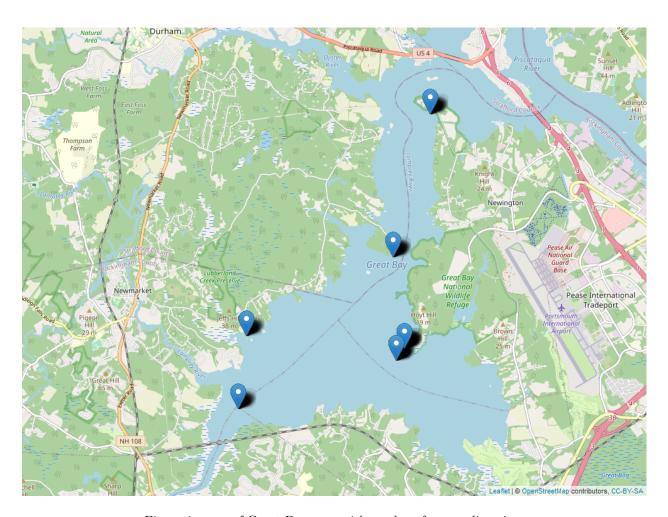
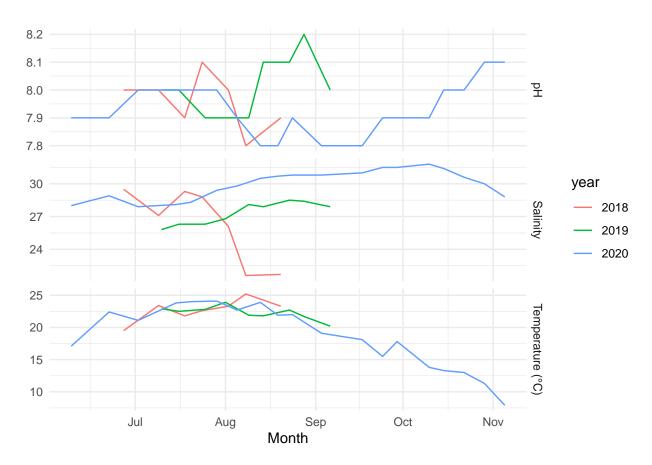


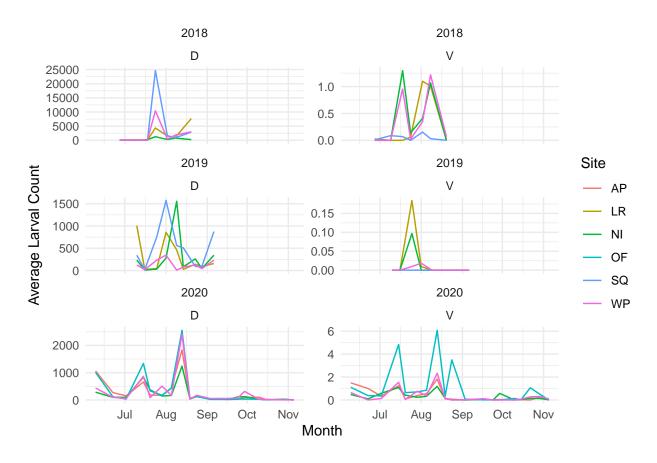
Figure 1: map of Great Bay area with markers for sampling sites

physiochemical stuff



larvae type across year and site

##	#	A tibble:	6 x 9							
##		Date	Site	Site_Lat	Site_Long	Temp	Sal	рН	larvalType	${\tt avgCount}$
##		<date></date>	<fct></fct>	<dbl></dbl>	<dbl></dbl>	<dbl></dbl>	<dbl></dbl>	<dbl></dbl>	<chr></chr>	<dbl></dbl>
##	1	2018-06-27	LR	43.1	-70.9	19.5	29.5	8	D	119.
##	2	2018-06-27	LR	43.1	-70.9	19.5	29.5	8	V	0.0262
##	3	2018-06-27	SQ	43.1	-70.9	19.5	29.5	8	D	85.6
##	4	2018-06-27	SQ	43.1	-70.9	19.5	29.5	8	V	0.00873
##	5	2018-06-27	NI	43.1	-70.9	19.5	29.5	8	D	94.3
##	6	2018-06-27	NI	43.1	-70.9	19.5	29.5	8	V	0

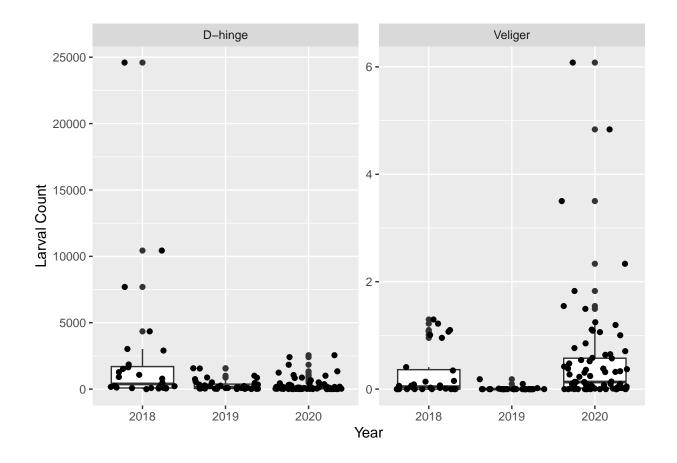


'summarise()' has grouped output by 'year'. You can override using the
'.groups' argument.

larvalType	2018	2019	2020
D-hinge	2293	325	273
Veliger	0.29	0.0088	0.53

'summarise()' has grouped output by 'year', 'larvalType'. You can override
using the '.groups' argument.

larvalType	Site	2018	2019	2020
D-hinge				
D-hinge	LR	2144	313	NA
D-hinge	NI	419	316	200
D-hinge	SQ	4319	535	NA
D-hinge	WP	2291	135	283
D-hinge	AP	NA	NA	277
D-hinge	OF	NA	NA	334
$\mathbf{Veliger}$				
Veliger	LR	0.31	0.022	NA
Veliger	NI	0.42	0.011	0.29
Veliger	SQ	0.05	0	NA
Veliger	WP	0.37	0.0031	0.36
Veliger	AP	NA	NA	0.39
Veliger	OF	NA	NA	1.1



ANOVA stuff

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				F value	$\Pr(>F)$	
year 2	2	89956271	44978136	8.801522	< 0.001	***
Site 5	5	25737592	5147518	1.007289	0.416	

	Df	Sum Sq	Mean Sq	F value	Pr(>F)	
year	2	6.806097	3.403048	5.983259	0.003	**
Site	5	8.094962	1.618993	2.846522	0.018	*

								_				
	Estimate CI (lower		er)	/ (11 /		Std. Error		t value		$\Pr(> $	$t) \mid$	
(Intercept)	-1280.34280	-3261.1284	-3261.128482 700.442		129	9 1001.7611		-1.278092		$2 \mid 0.203 \mid$		
Temp	96.84751	1.4651	1.465156 192.22		299	9 48.2386		6 2.007677		77 0.047		*
								(_		
	Estimate	CI (lower)	С.	I (upper)	St	td. Error		t value	P:	r(> t)		_
(Intercept)	5168.0288	396.4260	993	9.631605	2	413.1868	2	.141578	0.034		*	
Sal	-156.7242	-323.1738		9.725422		84.1801		-1.861772		065		_
		OT (1	OT.	/	Q. 1			,		1.15		
	Estimate	CI (lower)	CI	(upper)	Sto	l. Error	t value		$\Pr(> t)$			
(Intercept)	-16954.08	-48835.797	14927.631		16	16123.834		-1.051492		0.295		
рН	2217.47	-1788.896	6	6223.836		2026.177		1.094411		0.276		
	-	OT (1	1 01	- /	1 0				-	/ L. IX		-
	Estimate	0 (() ()		(upper)	per) Std. Error		t value		$\Pr(> t)$			_
(Intercept)	-0.3857221	-1.0519607	0	.2805166	0	0.3369430		-1.144769		254		
Temp	0.0360793	0.0039973	0	.0681612	0.0162251		2.223671		0.028		*	
	.	OT (1	OT.	/	α.	1 5			-	/ L.IX		
	Estimate	CI (lower)) CI (upper)		Std. Error		t value		$\Pr(> \mathbf{t})$			
(Intercept)	0.0061674 -1.6229892 1		1.	6353241	0.8239285		0.0074854		0.994			
Sal	0.0119843	-0.0448462	0.0688148		0.0287414		0.4169704		0.677			
		- (z) I		, , ,	~					(I I) I		
	Estimate	CI (lower)	CI	CI (upper)		Std. Error		t value		(> t)		
(Intercept)	13.834493	3.271204	24.	24.3977816		5.342270		$2.589628 \mid 0$		11	*	
рН	-1.694823	-3.022242	-0.	3674039	0	.671328	-2.	524583	0.0	13	*	