Data Final

Kaleb

2022-11-22

Leaflet works, epic

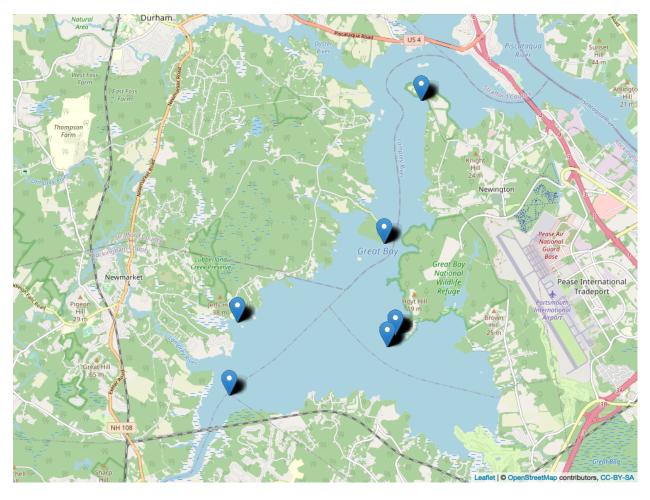
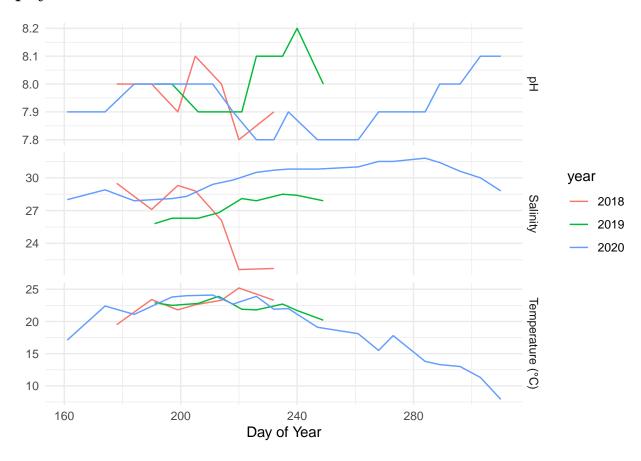


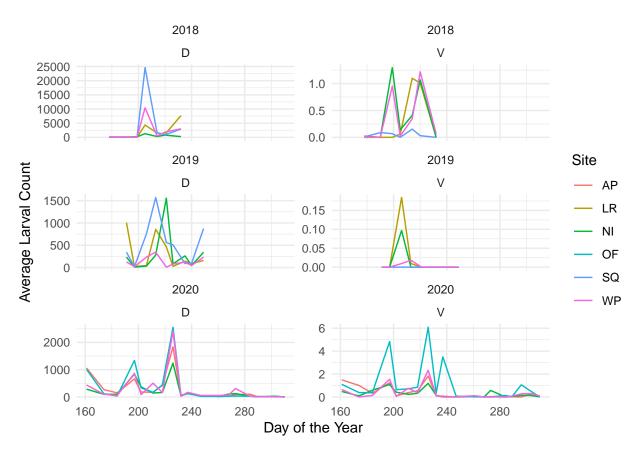
Figure 1: map of Great Bay area with markers for sampling sites

physiochemical stuff



larvae type across year and site

##	# # A tibble: 6 x 9									
##		Date	Site	Site_Lat	Site_Long	Temp	Sal	pН	larvalType	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	NT	43.1	-70.9	19.5	29.5	8	V	0

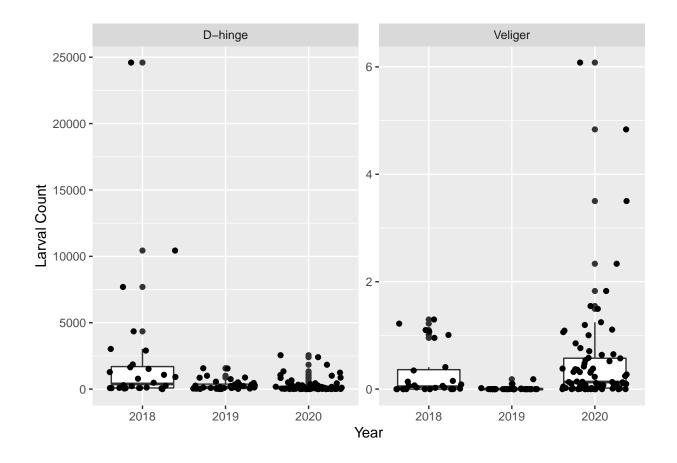


 $\mbox{\tt \#\#}$ 'summarise()' has grouped output by 'year'. You can override using the $\mbox{\tt \#\#}$ '.groups' argument.

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	$_{ m SQ}$	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	$_{ m SQ}$	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

```
## Df Sum Sq Mean Sq F value Pr(>F)

## year 2 89956271 44978136 8.802 0.000258 ***

## Site 5 25737592 5147518 1.007 0.416065
```

Residuals 132 674555335 5110268

Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' ' 1

term	df	sumsq	meansq	statistic	p.value
year	2	89956271	44978136	8.801522	0.0002581
Site	5	25737592	5147518	1.007289	0.4160648
Residuals	132	674555335	5110268	NA	NA

Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' ' 1

term	df	sumsq	meansq	statistic	p.value
year	2	6.806097	3.4030483	5.983259	0.0032555
Site	5	8.094962	1.6189925	2.846522	0.0178619
Residuals	132	75.076544	0.5687617	NA	NA

term	erm estimate		or statist	ic p.value			
(Intercept)	(Intercept) -1280.34280		1 -1.27809	92 0.2033626			
Temp	96.84751	48.238	6 2.0076	77 0.0466301			
term	estimate	std.error	statistic	p.value			
(Intercept)	5168.0288	2413.1868	2.141578	0.0339838			
Sal	-156.7242	84.1801	-1.861772	0.0647622			
term	estimate	std.error	statistic	p.value			
(Intercept)	-16954.08	16123.834	-1.051492	0.2948704			
pН	2217.47	2026.177	1.094411	0.2756813			
term	estimate	std.error	statistic	c p.value			
(Intercept)	-0.3857221	0.3369430	-1.144769	9 0.2542863			
Temp	0.0360793	0.0162251	2.22367	1 0.0277961			
term	estimate	std.error	statistic	p.value			
(Intercept)	0.0061674	0.8239285	0.0074854	0.9940384			
Sal	Sal 0.0119843		0.4169704	0.6773479			
term	estimate	std.error	statistic	p.value			
(Intercept)	13.834493	5.342270	2.589628	0.0106384			
pН	-1.694823	0.671328	-2.524583	0.0127155			