Data Final

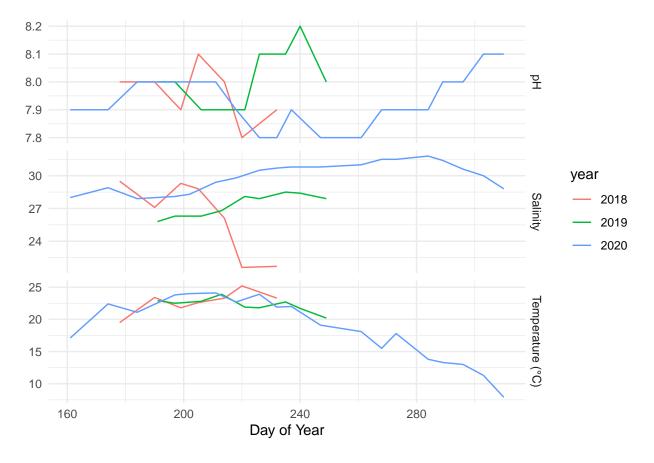
Kaleb

2022-11-22

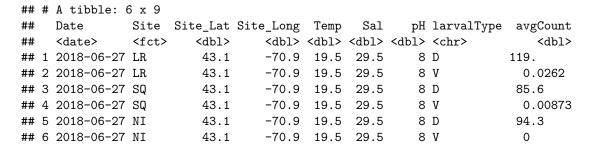
```
## Date Site Site_Lat Site_Long D V Temp Sal pH
## 1 2018-06-27 LR 43.07385 -70.90511 118.77679 0.026200764 19.5 29.5 8
## 2 2018-06-27 SQ 43.05933 -70.90730 85.58916 0.008733588 19.5 29.5 8
## 3 2018-06-27 NI 43.06907 -70.86423 94.32275 0.000000000 19.5 29.5 8
## 4 2018-06-27 WP 43.07139 -70.86201 80.65667 0.000000000 19.5 29.5 8
## 5 2018-07-09 LR 43.07385 -70.90511 169.26060 0.000000000 23.4 27.1 8
## 6 2018-07-09 SQ 43.05933 -70.90730 46.55542 0.087300979 23.4 27.1 8
```

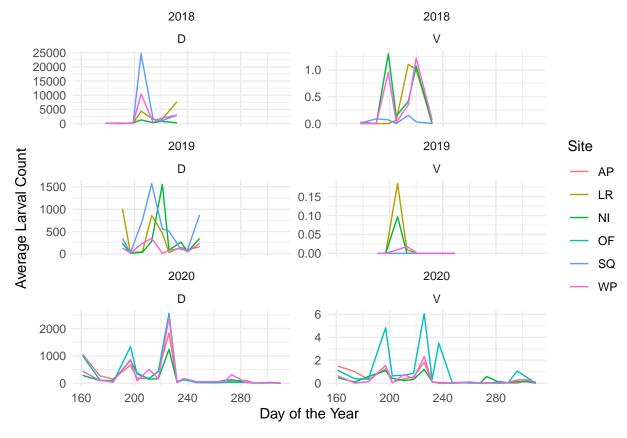
map, may change from leaflet but then i would need to find map of great bay area

physiochemical stuff



larvae type across year and site





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

larvalType	2018	2019	2020
D-hinge	2.29e+03	3.25e+02	2.73e+02
Veliger	2.88e-01	8.84e-03	5.32e-01

^{## &#}x27;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

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

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

## year 2 6.81 3.403 5.983 0.00326 **

## Site 5 8.09 1.619 2.847 0.01786 *

## Residuals 132 75.08 0.569
```

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