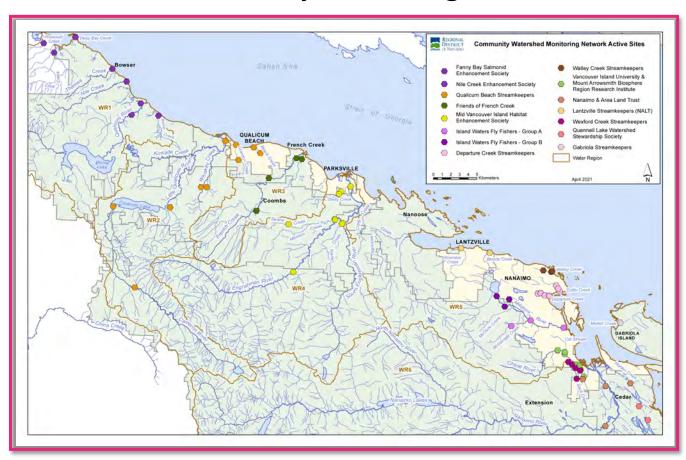
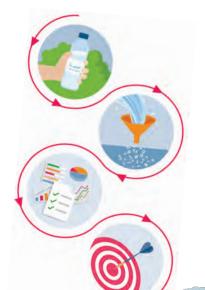
Community Watershed Monitoring Network 2020 Results by Water Region



Included in Your Water Region Package:

- 1. CWMN Sample Sites in Water Region (WR) 3
- How to Interpret a Box Plot and Summer /Fall Exceedance Maps
- 3. Box Plot Comparison 2020 Data to Previous Years: Graphs displayed per parameter (Temperature, Dissolved Oxygen, Turbidity, Conductivity) and per sample period (summer and fall)
- 4. 2011-2020 Water Quality Trend Analysis Map
- 5. 2011-2020 Summer Exceedance Map
- 6. 2011-2020 Fall Exceedance Map
- 7. QBS Site Map
- 8. FFCCS Site Map



Water Region 3 sampled by:

Qualicum Beach Streamkeepers Society (QBS)

&

Friends of French Creek
Conservation Society
(FFCCS)

CWMN Sample Sites in WR 3:

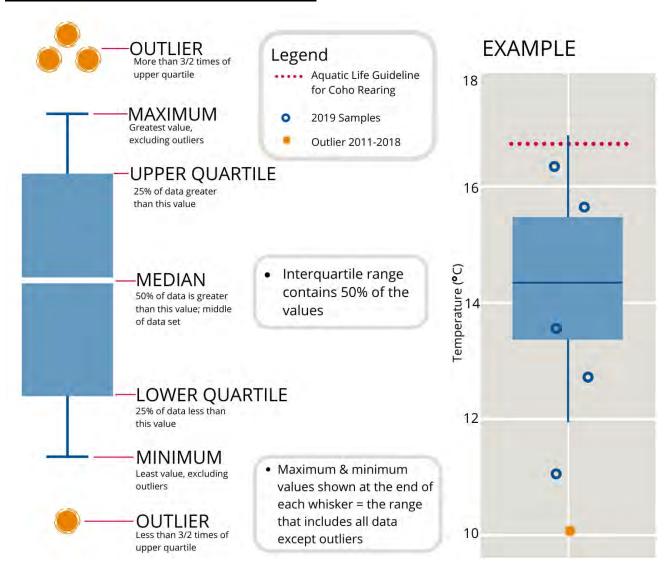
The table below shows the groups and sites monitored, as well as the number of years and which years a site was sampled. The number of years is important to keep in mind when interpreting the box plots as the plot for each site may contain a slightly different temporal range.

Group	EMS ID	Geographic Description	Years Sampled*	Years Monitored
QBS	E288091	Grandon Creek at Laburnum Road	10	2011 - present
QBS	E288090	Grandon Creek at West Crescent (Caissons)	10	2011 - present
QBS	E288092	Beach Creek near Chester Road at Hemsworth Road	10	2011 - present
QBS	E288093	Beach Creek near Memorial Golf Course Pond	10	2011 - present
FFCCS	E243024	French Creek at Grafton Road	10	2011 - present
FFCCS	E243021	French Creek at new highway	10	2011 - present
FFCCS	E243022	French Creek at Barclay Bridge	10	2011 - present
FFCCS	E318151	Morningstar Creek 100m u/s Lee Rd W	2	2019 - present

^{*}The number of years sampled up to and including 2020.



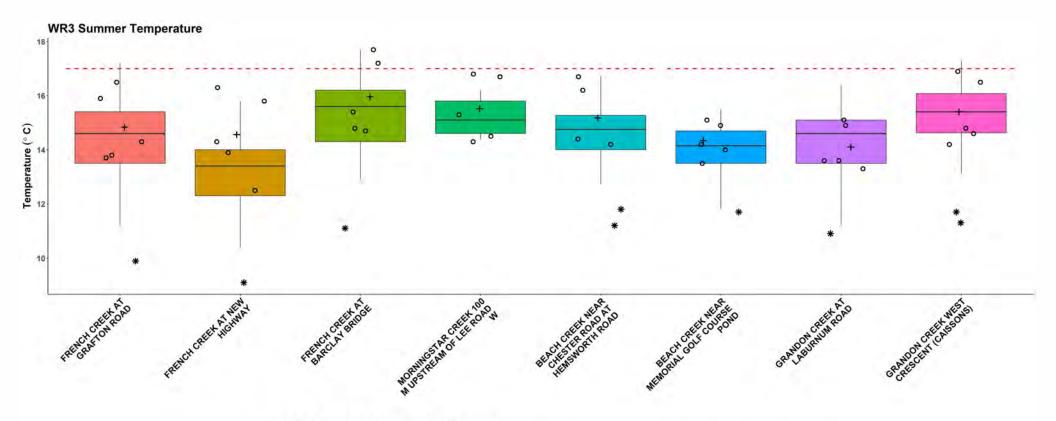
How to Interpret a Box Plot:



How to Interpret Summer and Fall Exceedance Maps:

The summer and fall exceedance frequency maps included in this package express the number of sample periods (summer low-flow / fall flush) with exceedances for each site. There are four frequency categories for the number of sample periods with exceedances: no exceedance recorded (0), low (1-2), moderate (3-4), and high (5 or more). The exceedance categories are for the three parameters with aquatic water quality guidelines and objectives based on the following thresholds: temperature $\geq 17^{\circ}$ C, dissolved oxygen ≤ 5 mg/L, summer turbidity ≥ 2 NTU, and fall turbidity ≥ 5 NTU.



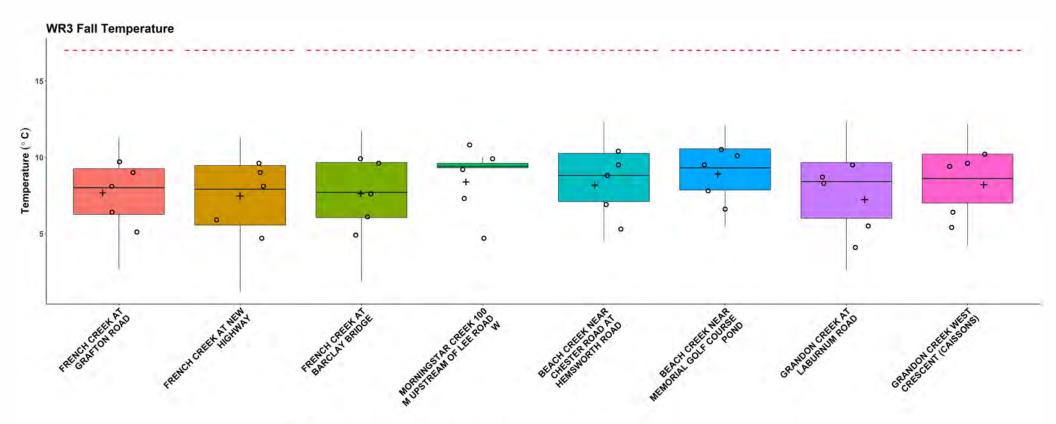


- 2020 Samples
 Outlier 2011-2019
 2020 30 Day Avg

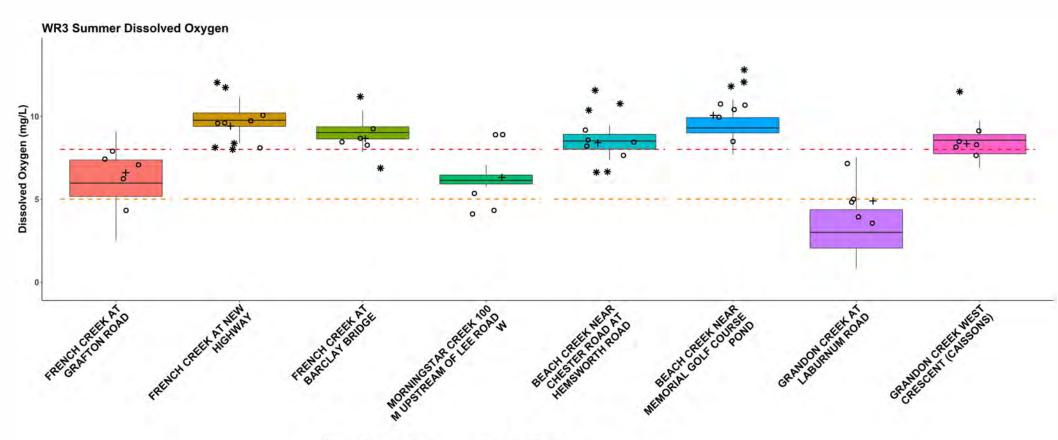
Guideline

-- Aquatic Life Guideline for Coho Rearing (17°C)

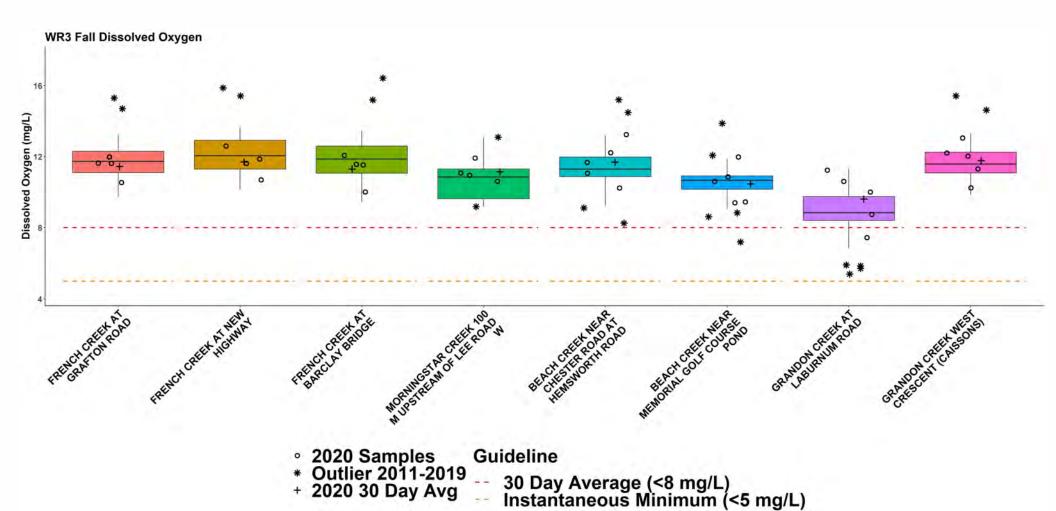




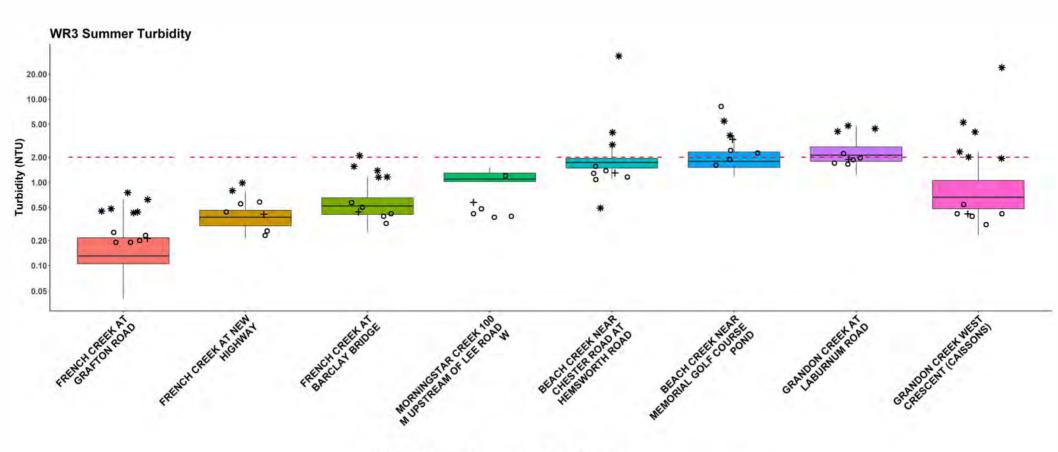
- 2020 Samples2020 30 Day Avg Guideline
 - -- Aquatic Life Guideline for Coho Rearing (17°C)



- Guideline
- 2020 Samples
 Outlier 2011-2019
 2020 30 Day Avg
 - 30 Day Average (<8 mg/L) Instantaneous Minimum (<5 mg/L)

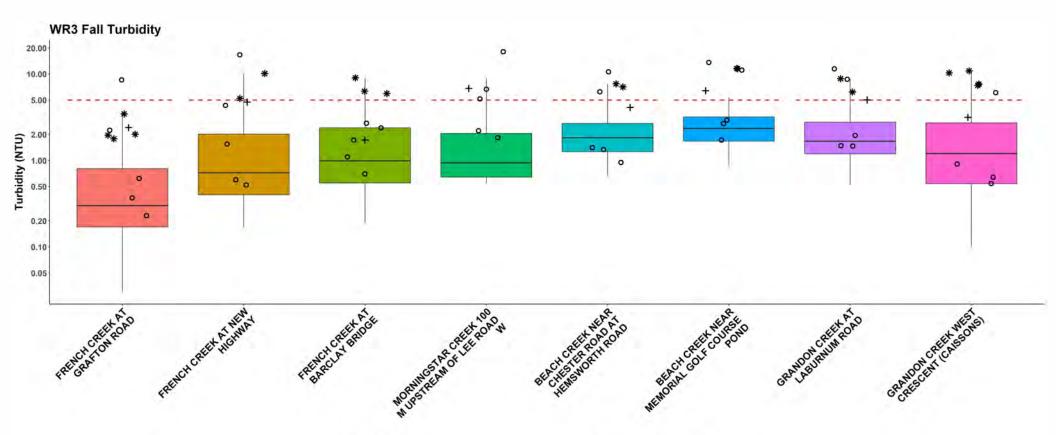






- 2020 Samples
 Outlier 2011-2019
 2020 30 Day Avg
- Guideline
- Jan-Sept Max (2 NTU)



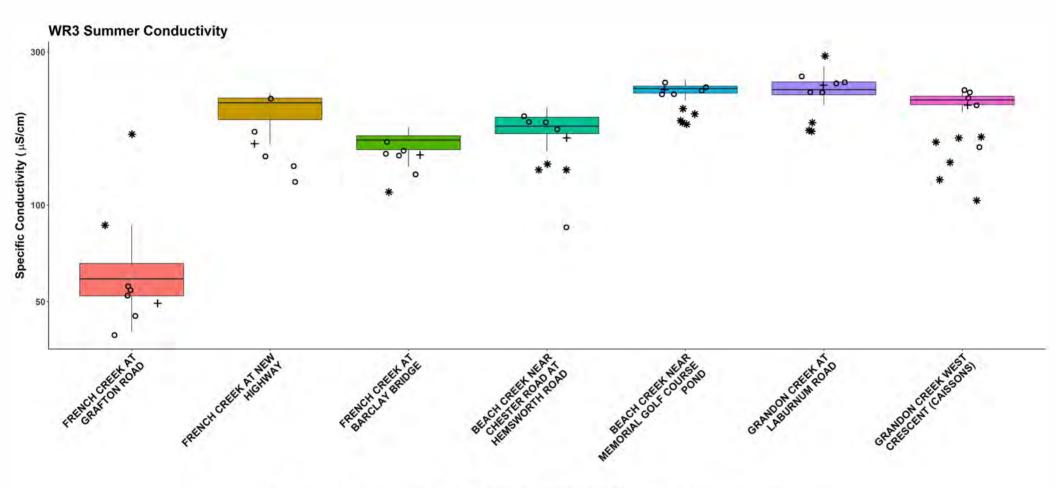


Guideline

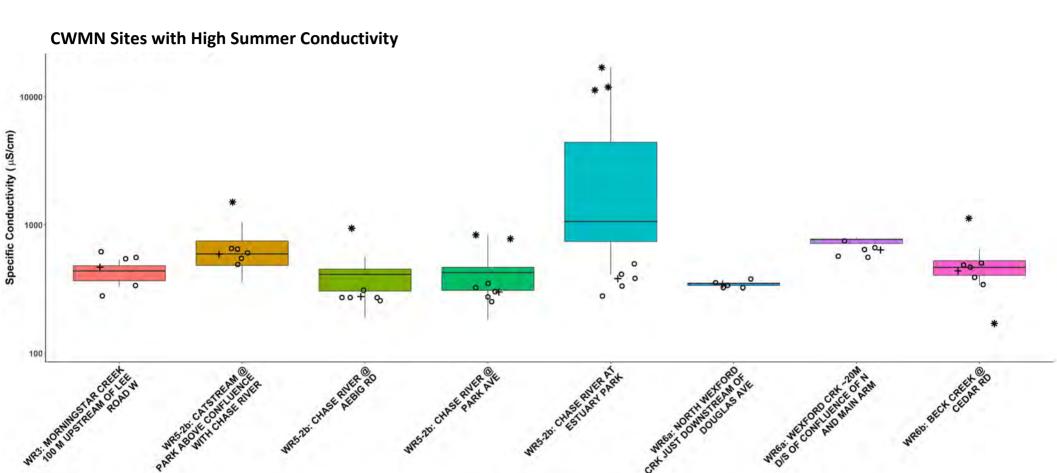
-- Oct-Dec Max (5 NTU)

2020 Samples
Outlier 2011-2019
2020 30 Day Avg

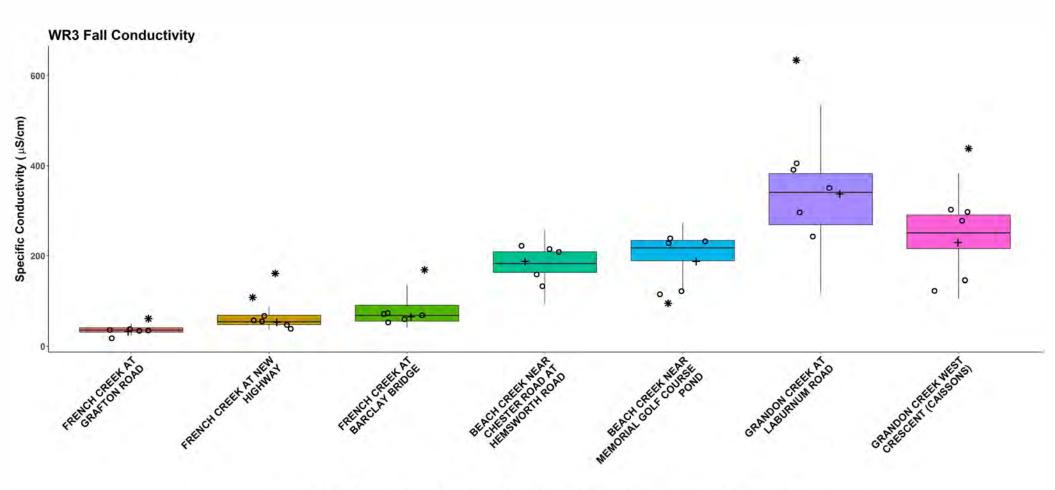




2020 Samples * Outlier 2011-2019 + 2020 30 Day Avg

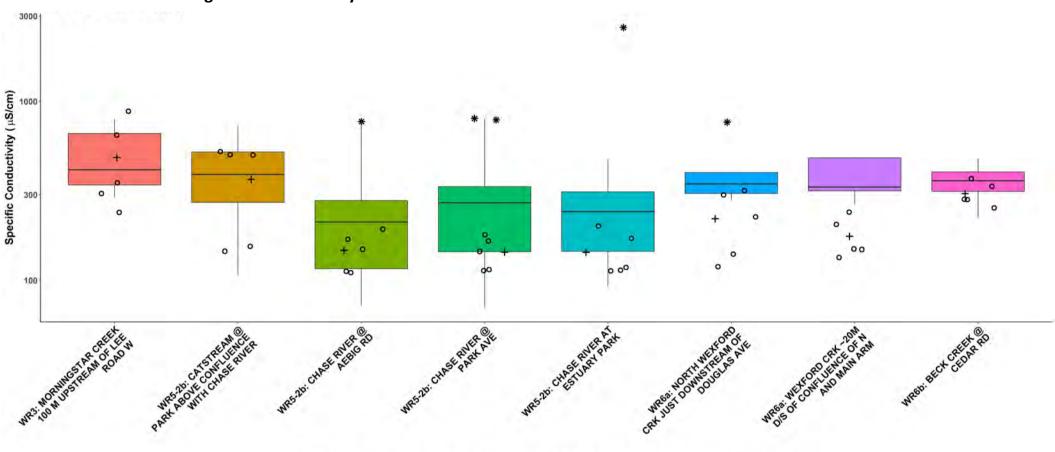


2020 Samples * Outlier 2011-2019 + 2020 30 Day Avg



2020 Samples * Outlier 2011-2019 + 2020 30 Day Avg

CWMN Sites with High Fall Conductivity



2020 Samples * Outlier 2011-2019 + 2020 30 Day Avg



