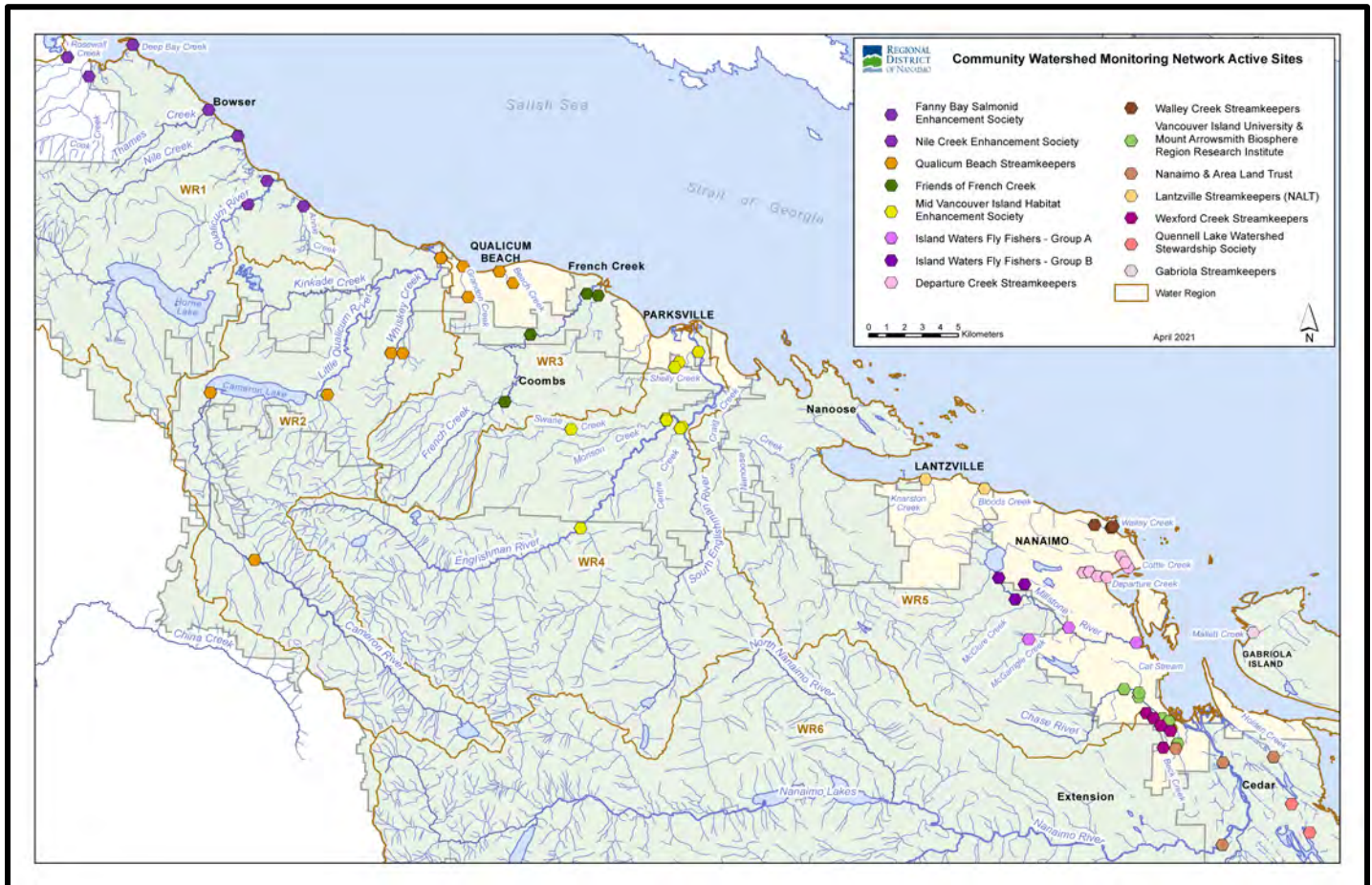


Community Watershed Monitoring Network 2021 Results by Water Region



Included in Water Region (WR) 2 package:

1. CWMN WR2 sample sites
2. How to interpret a box plot
3. Box Plot Comparison – 2021 data to previous years: *displayed by parameter (Temperature, Dissolved Oxygen, Turbidity, Conductivity) & sample period (summer, fall)*
4. QBSS CWMN map of sample sites



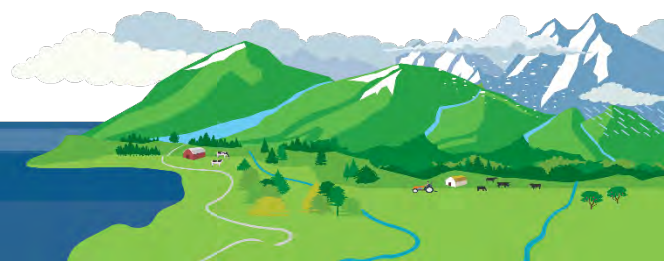
Water Region 2
sampled by:
**Qualicum Beach Streamkeeper
Society (QBSS)**



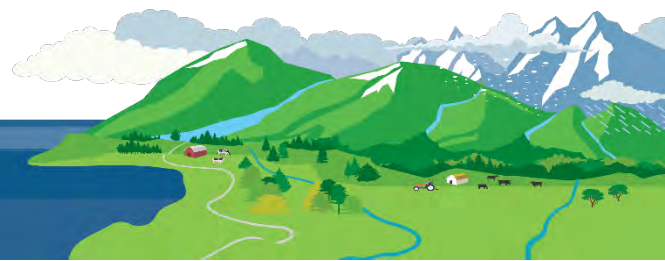
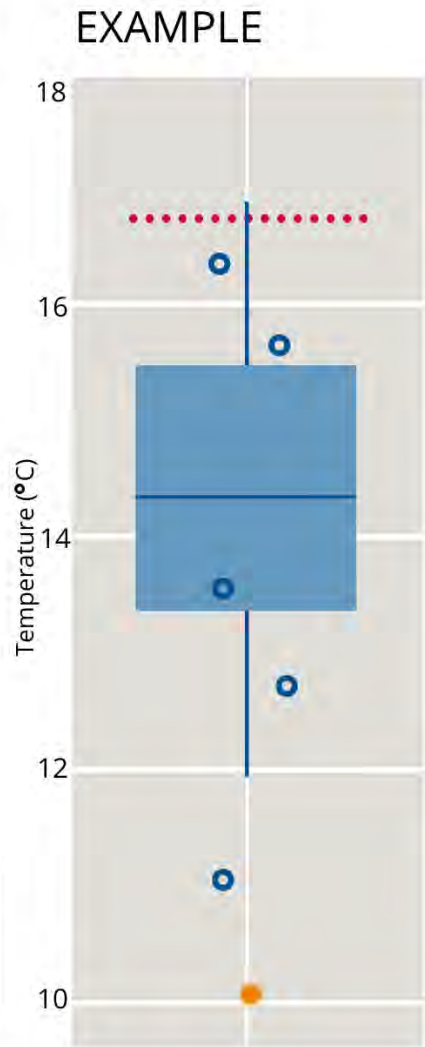
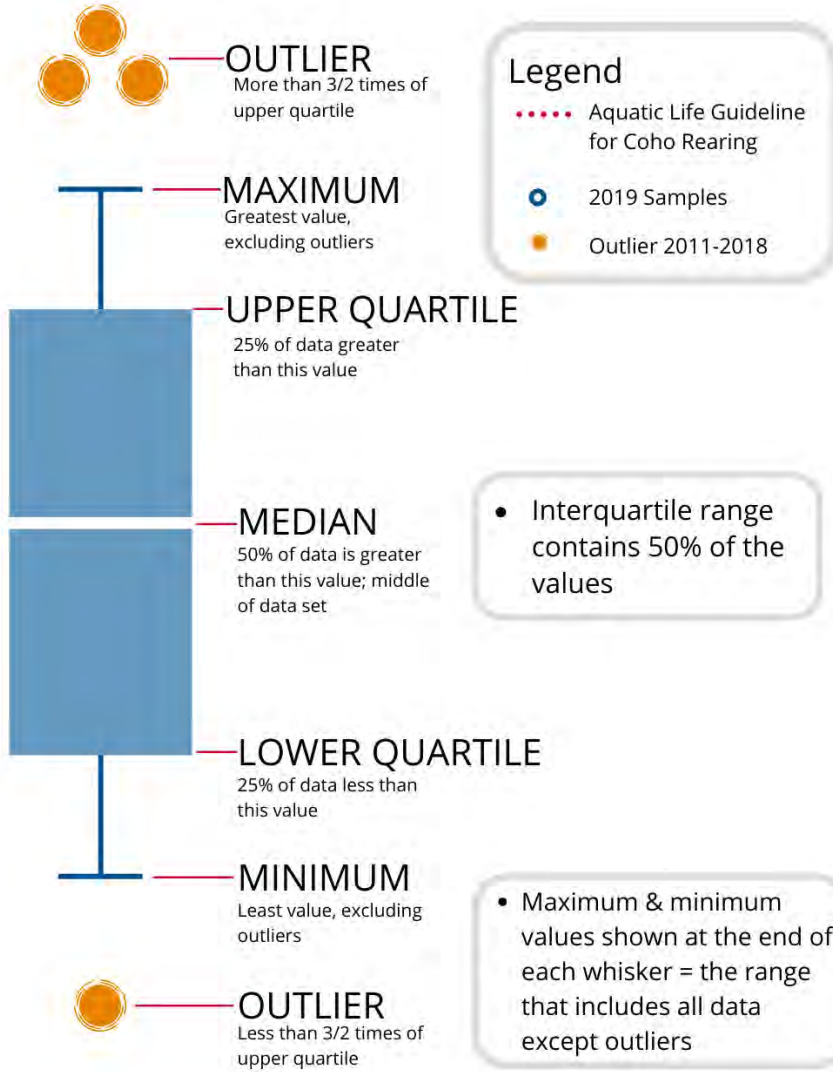
WR2 CWMN Sample Sites:

The table below shows the sites monitored by each of the streamkeeper organizations, 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.

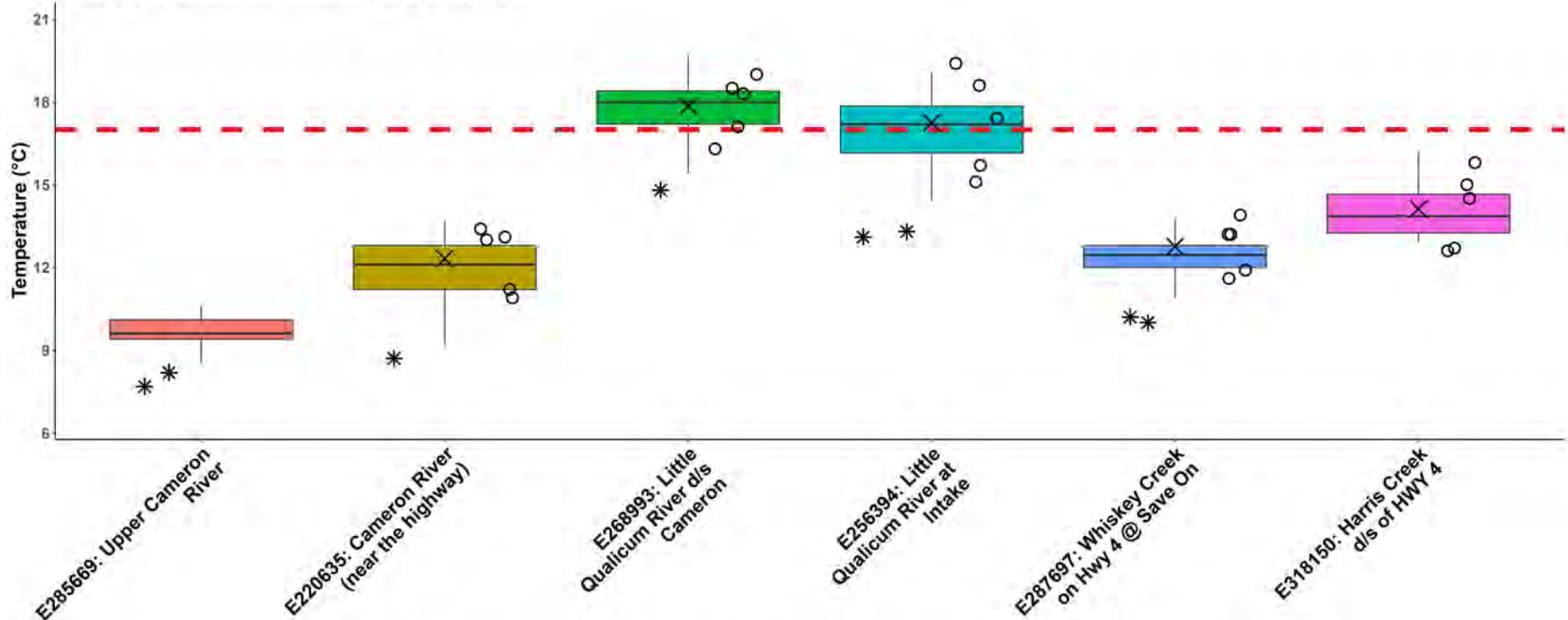
Group	EMS ID	Geographic Description	Years Sampled	Years Monitored
QBS	E285669	Upper Cameron River	11	2011 – present
QBS	E220635	Cameron River (near the highway, just u/s of Cathedral Grove)	11	2011 – present
QBS	E268993	Little Qualicum River 1.2 km d/s Cameron Lake	11	2011 – present
QBS	E287697	Whiskey Creek on Hwy 4, TB Ave Save on Gas	11	2011 – present
QBS	E256394	Little Qualicum River at Intake	11	2011 – present
QBS	E318150	Harris Creek on north/downstream side of Hwy 4	3	2019 – present



How to Interpret a Box Plot:



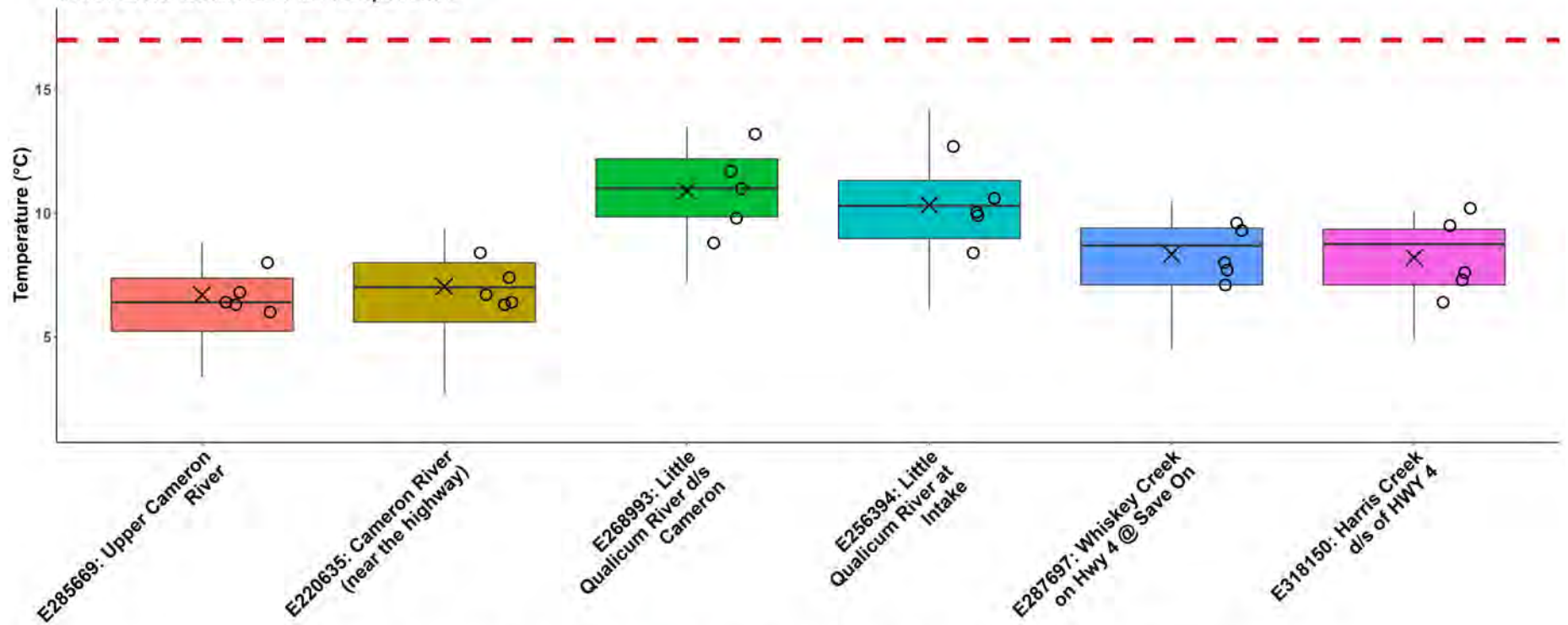
WR2: Little Qualicum Summer Temperature



* Outlier 2011-2020 - Aquatic Life Guideline for Coho Rearing (17°C)
 ○ 2021 Samples
 × 2021 30-Day Mean



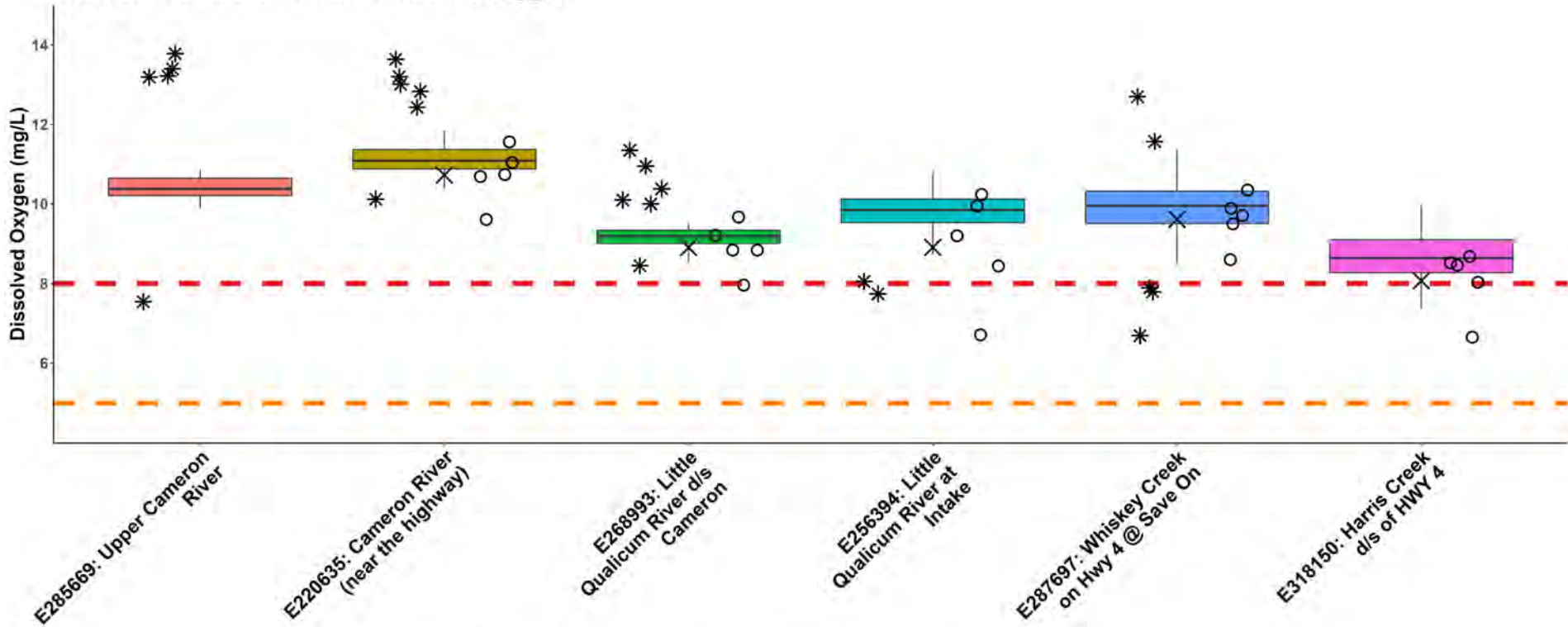
WR2: Little Qualicum Fall Temperature



* Outlier 2011-2020 - Aquatic Life Guideline for Coho Rearing (17°C)
○ 2021 Samples
× 2021 30-Day Mean



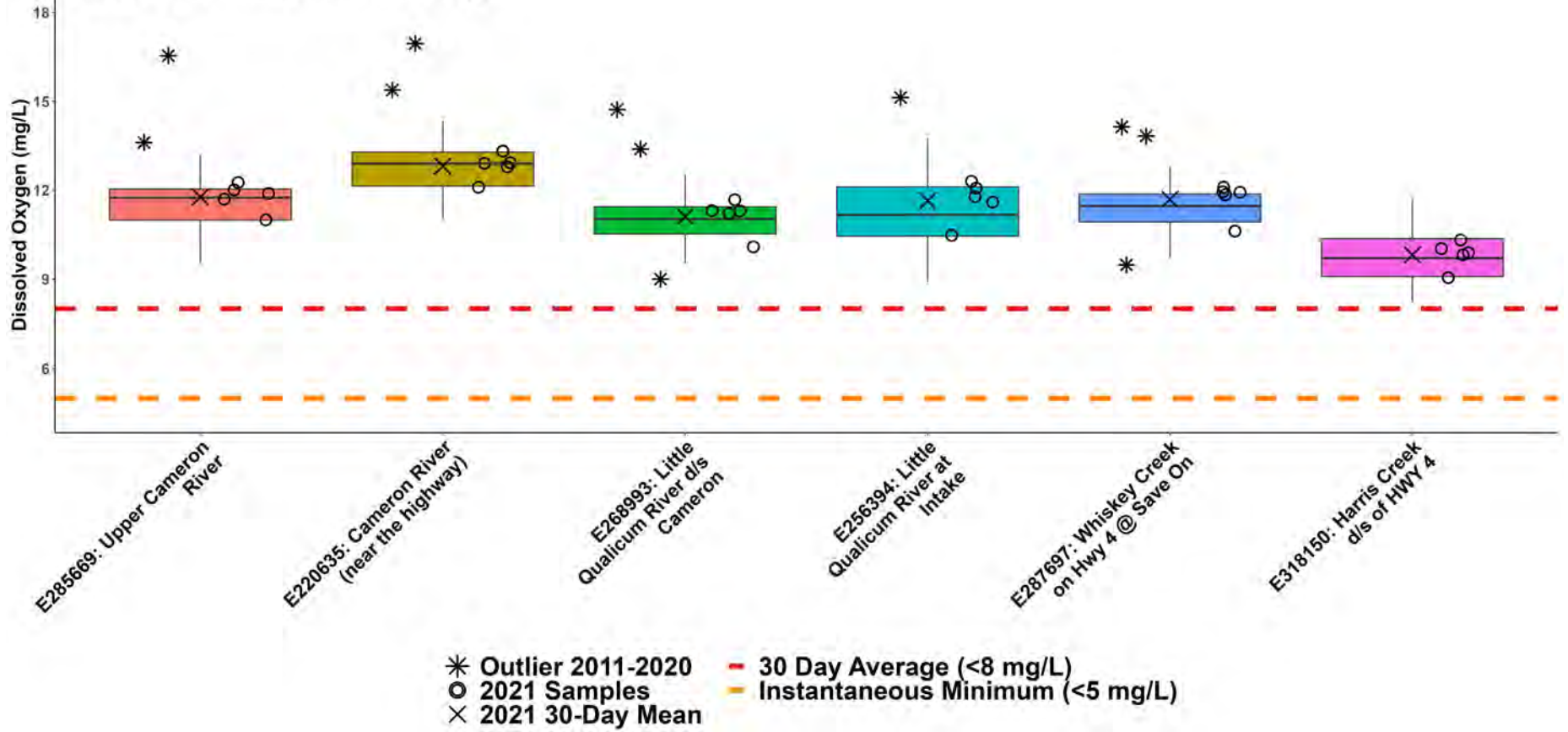
WR2: Little Qualicum Summer Dissolved Oxygen



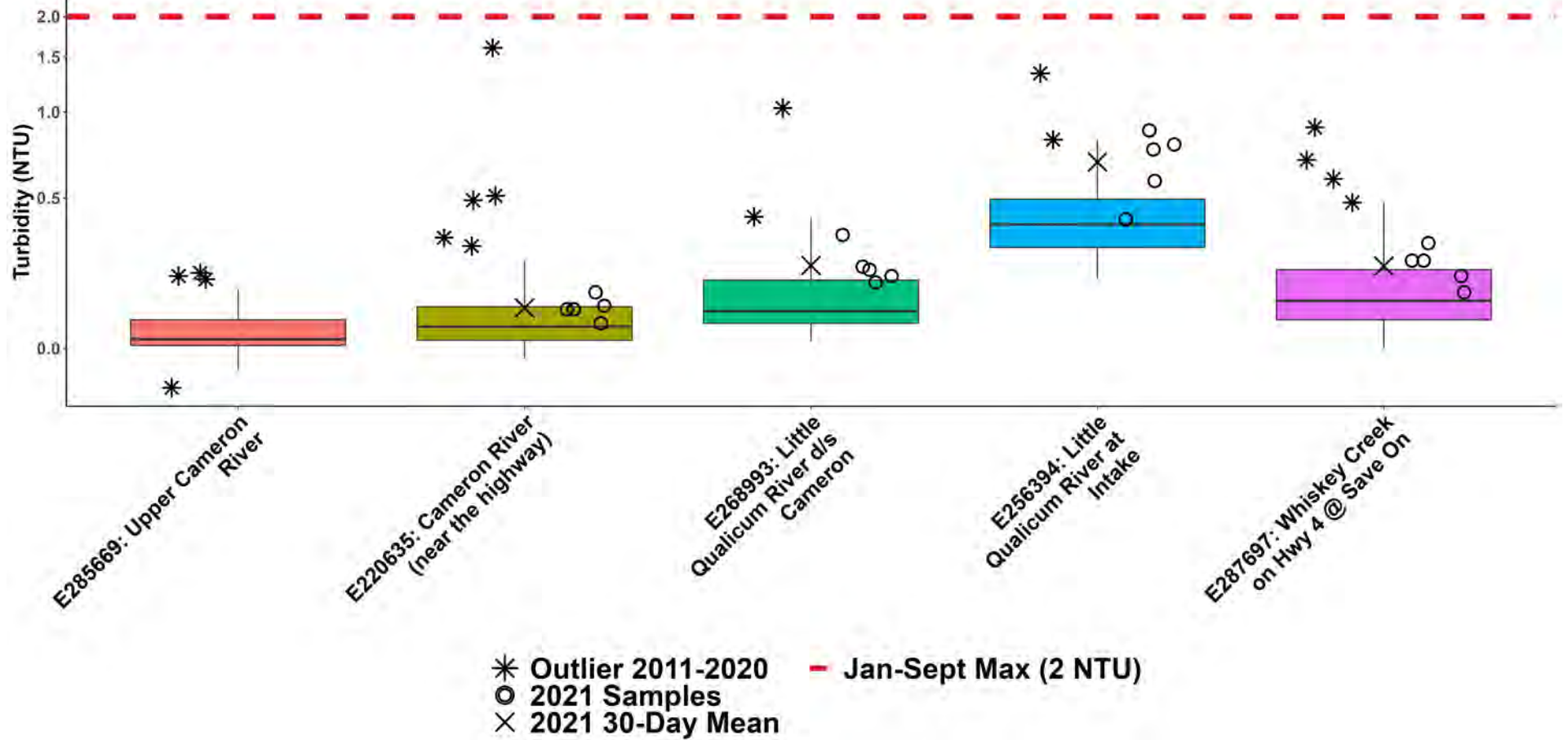
- * Outlier 2011-2020
- 2021 Samples
- × 2021 30-Day Mean
- - 30 Day Average (<8 mg/L)
- - Instantaneous Minimum (<5 mg/L)



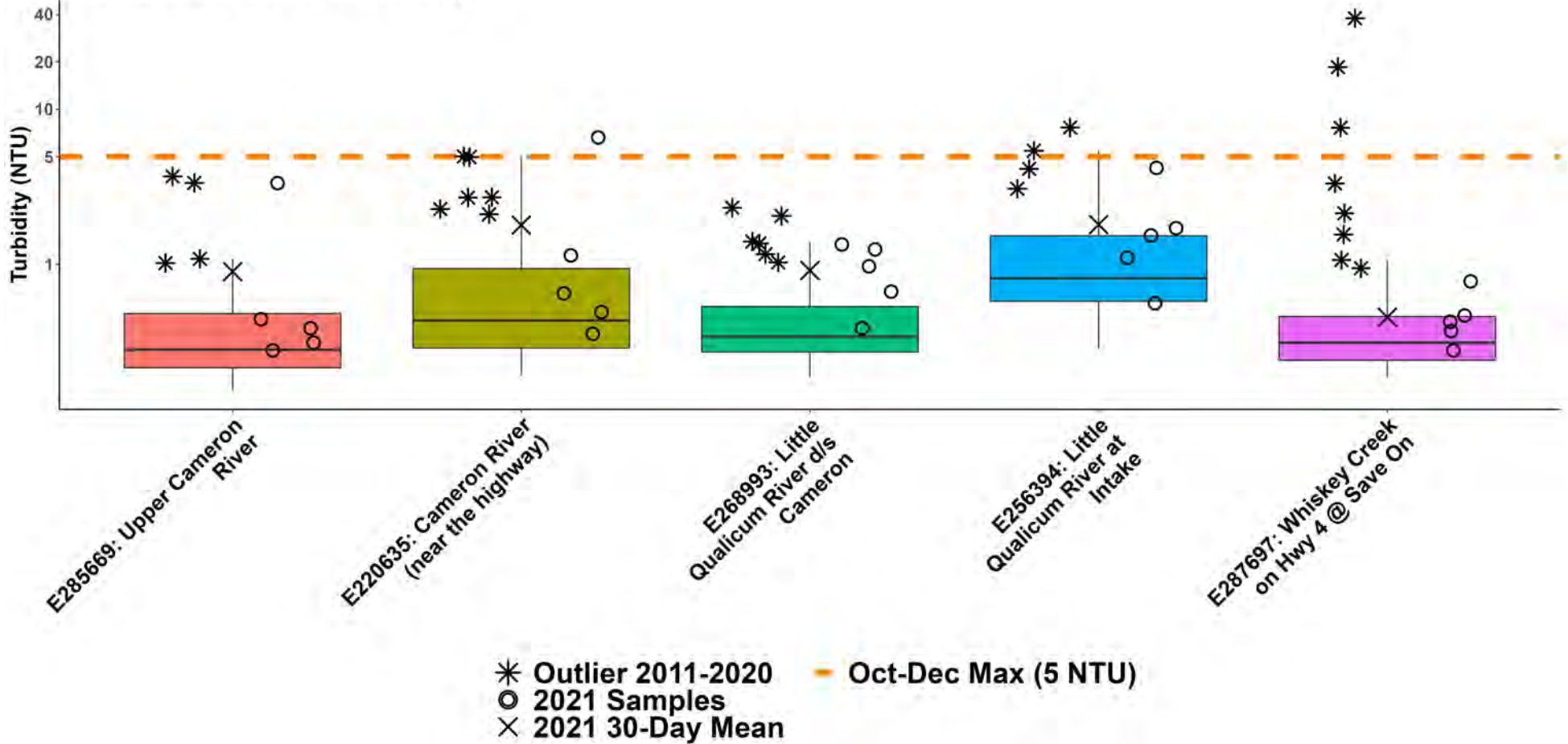
WR2: Little Qualicum Fall Dissolved Oxygen



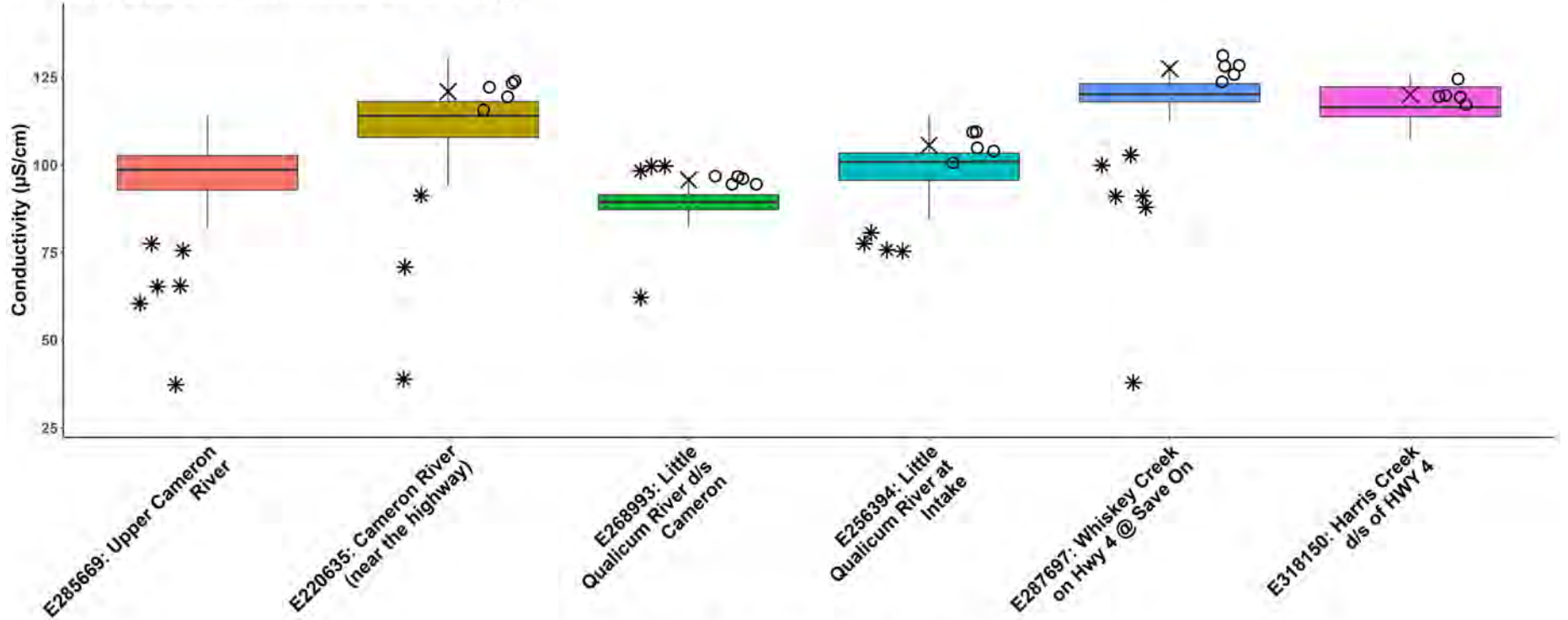
WR2: Little Qualicum Summer Turbidity



WR2: Little Qualicum Fall Turbidity



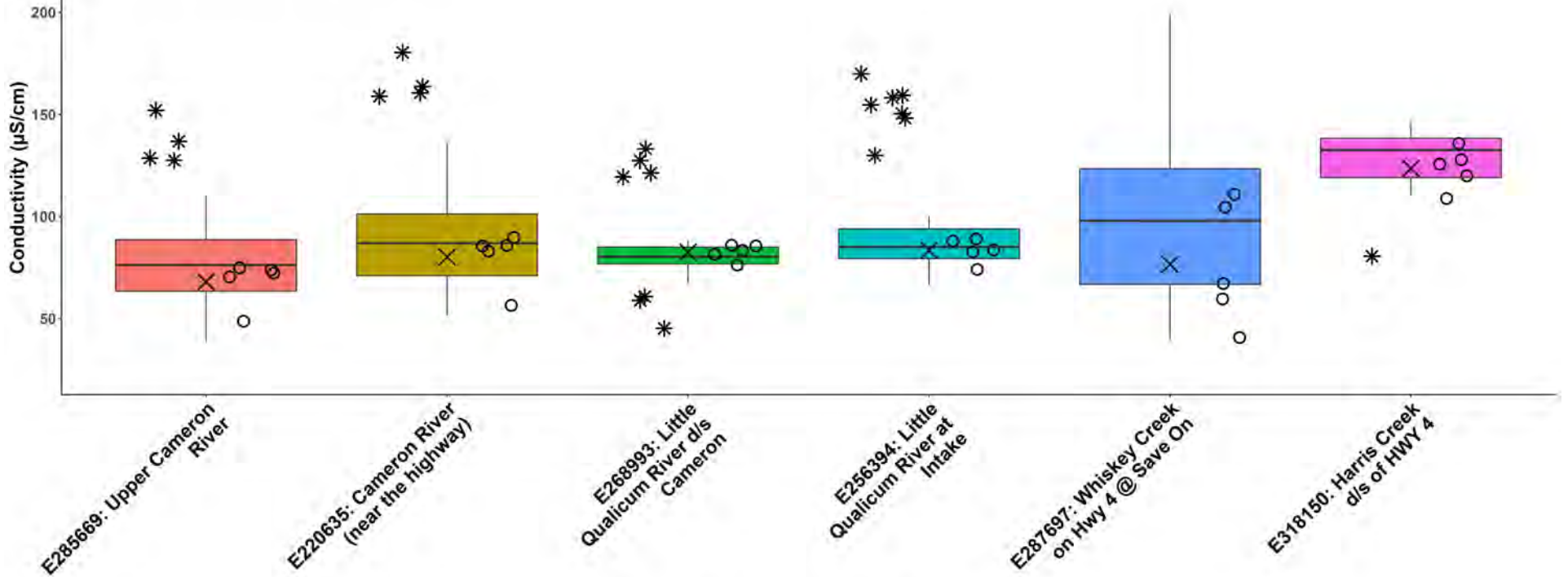
WR2: Little Qualicum Summer Conductivity



* Outlier 2011-2020
 ○ 2021 Samples
 × 2021 30-Day Mean

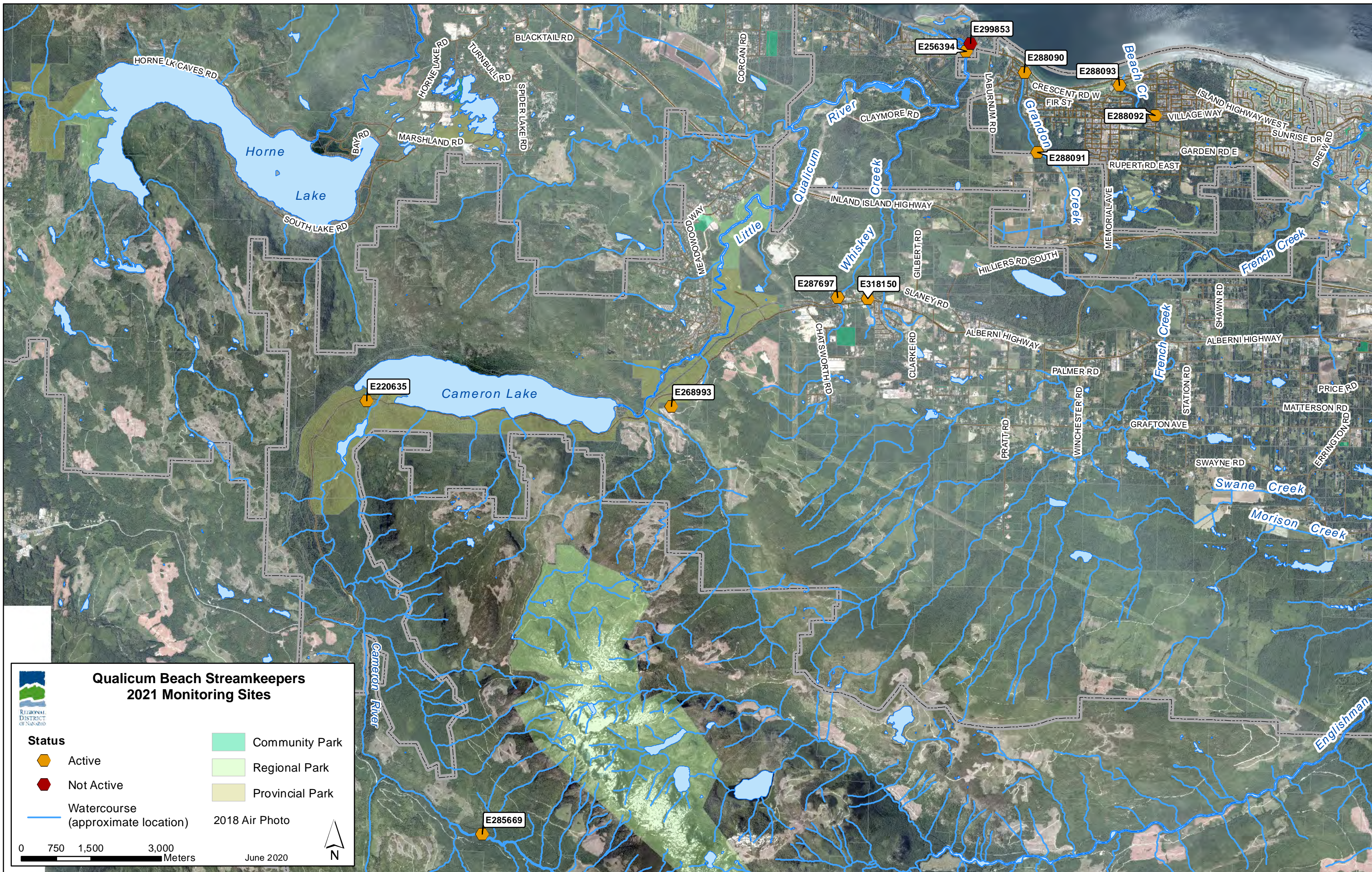


WR2: Little Qualicum Fall Conductivity



* Outlier 2011-2020
 ○ 2021 Samples
 × 2021 30-Day Mean





**Qualicum Beach Streamkeepers
2021 Monitoring Sites**

REGIONAL DISTRICT OF NANAIMO

Status	Community Park
Active	Regional Park
Not Active	Provincial Park
Watercourse (approximate location)	2018 Air Photo

0 750 1,500 3,000 Meters

June 2020

N