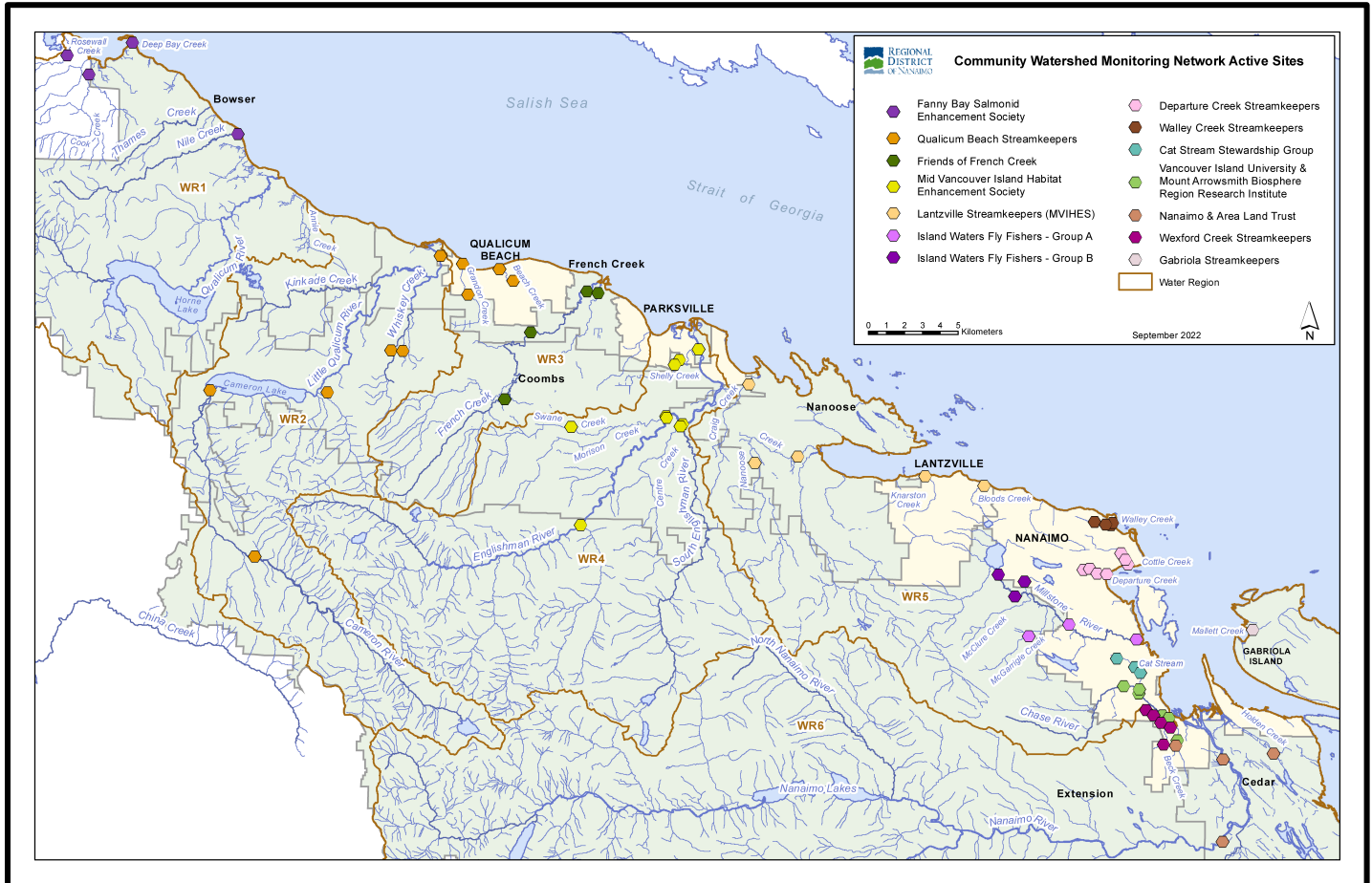


Community Watershed Monitoring Network 2022 Results by Water Region



Included in Water Region (WR) 2 package:

1. CWMN WR2 sample sites
2. How to interpret a box plot
3. Box Plot Comparison – 2022 data to previous years: *displayed by parameter (Turbidity, Dissolved Oxygen, Temperature, Conductivity) & sample period (summer, fall)*
4. QBS CWMN map of sample sites



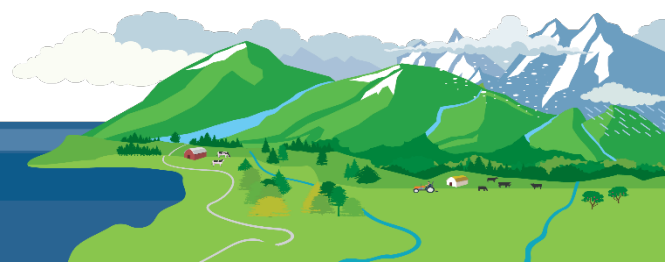
Water Region 2
sampled by:
**Qualicum Beach Streamkeepers
(QBS)**



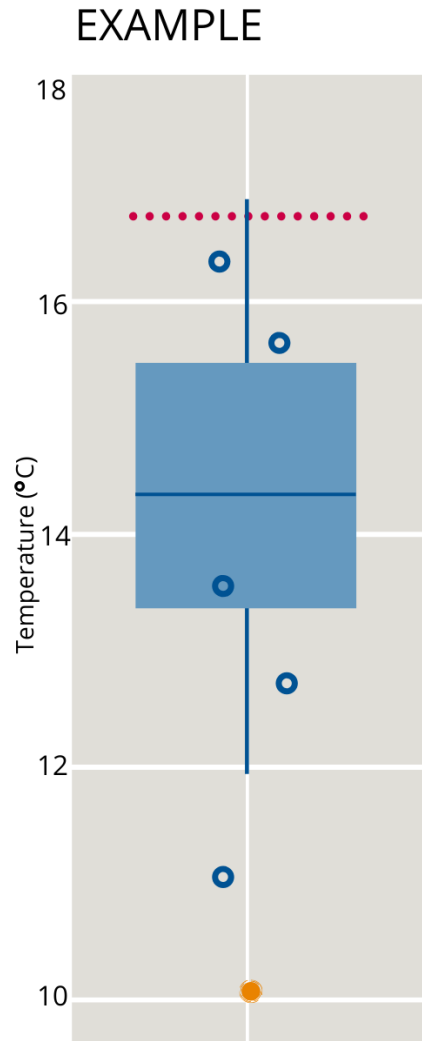
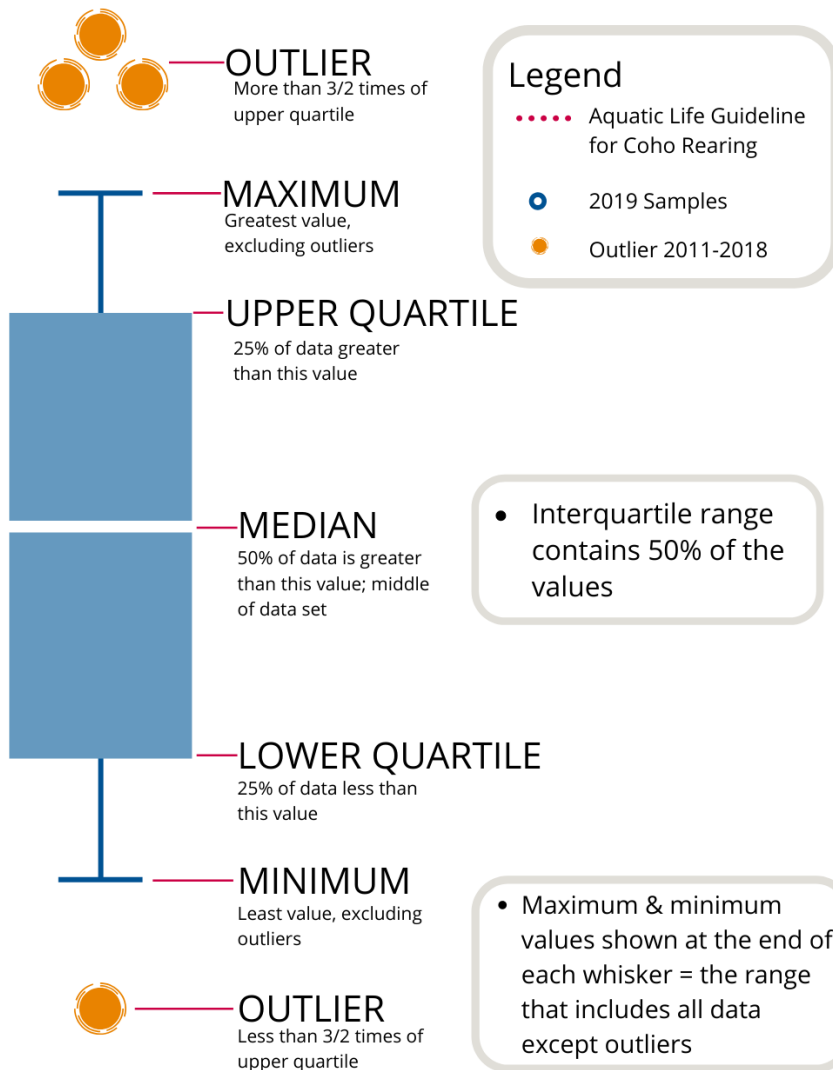
WR2 CWMN Sample Sites:

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.

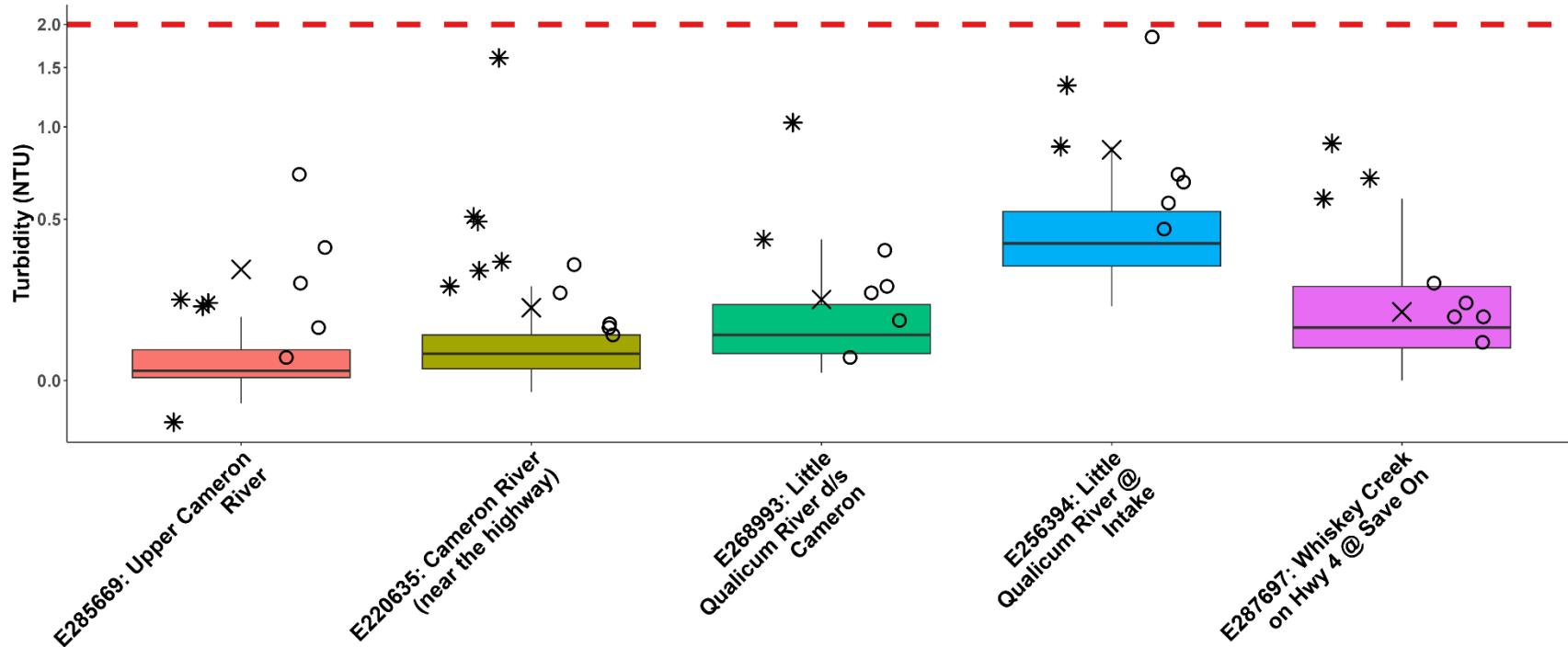
Group	EMS ID	Geographic Description	Years Sampled	Years Monitored
QBS	E285669	Upper Cameron River	12	2011 – present
QBS	E220635	Cameron River (near the highway, just u/s of Cathedral Grove)	12	2011 – present
QBS	E268993	Little Qualicum River 1.2 km d/s Cameron Lake	12	2011 – present
QBS	E287697	Whiskey Creek on Hwy 4, TB Ave Save on Gas	12	2011 – present
QBS	E256394	Little Qualicum River at Intake	12	2011 – present
QBS	E318150	Harris Creek on north/downstream side of Hwy 4	4	2019 – present



How to Interpret a Box Plot:



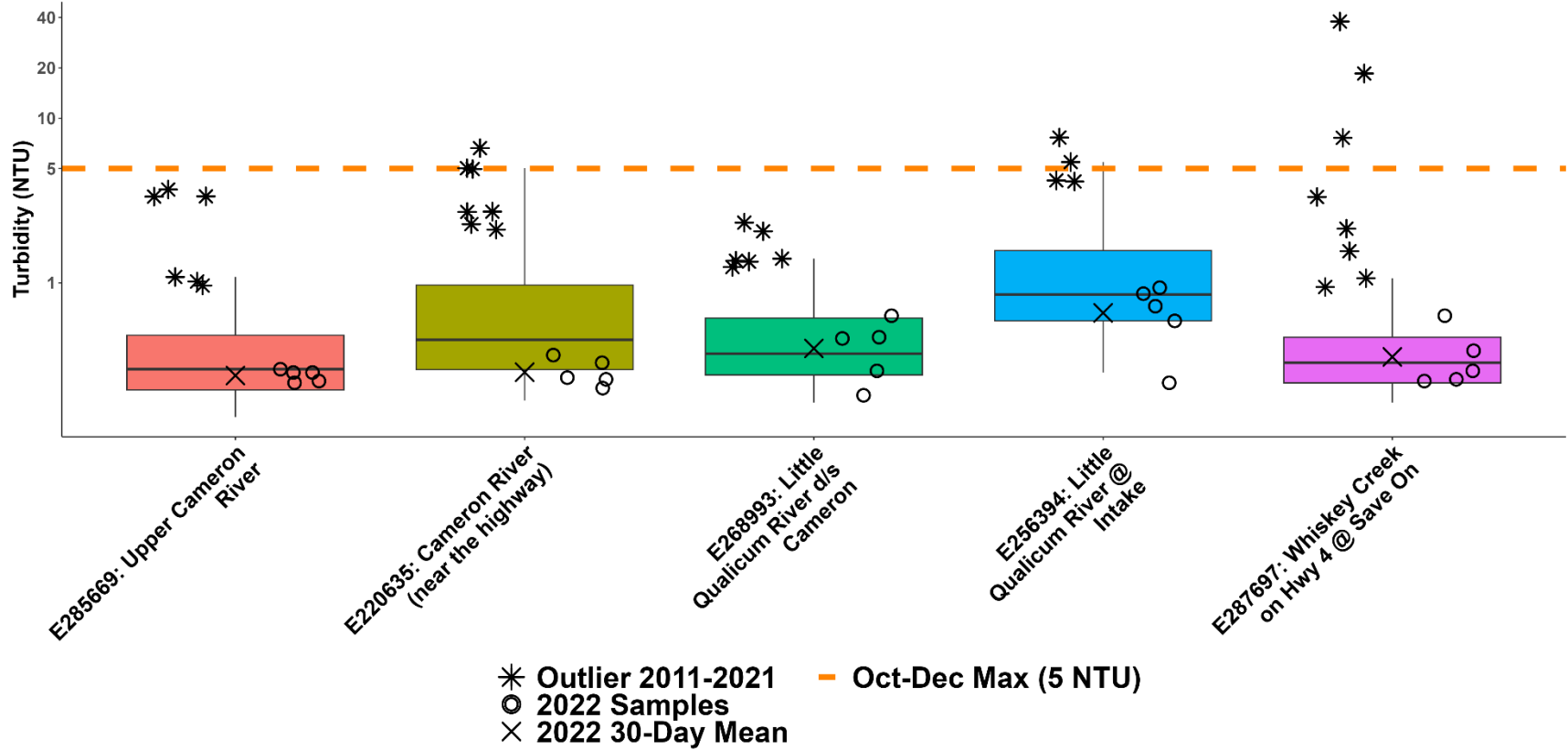
WR2: Little Qualicum Summer Turbidity



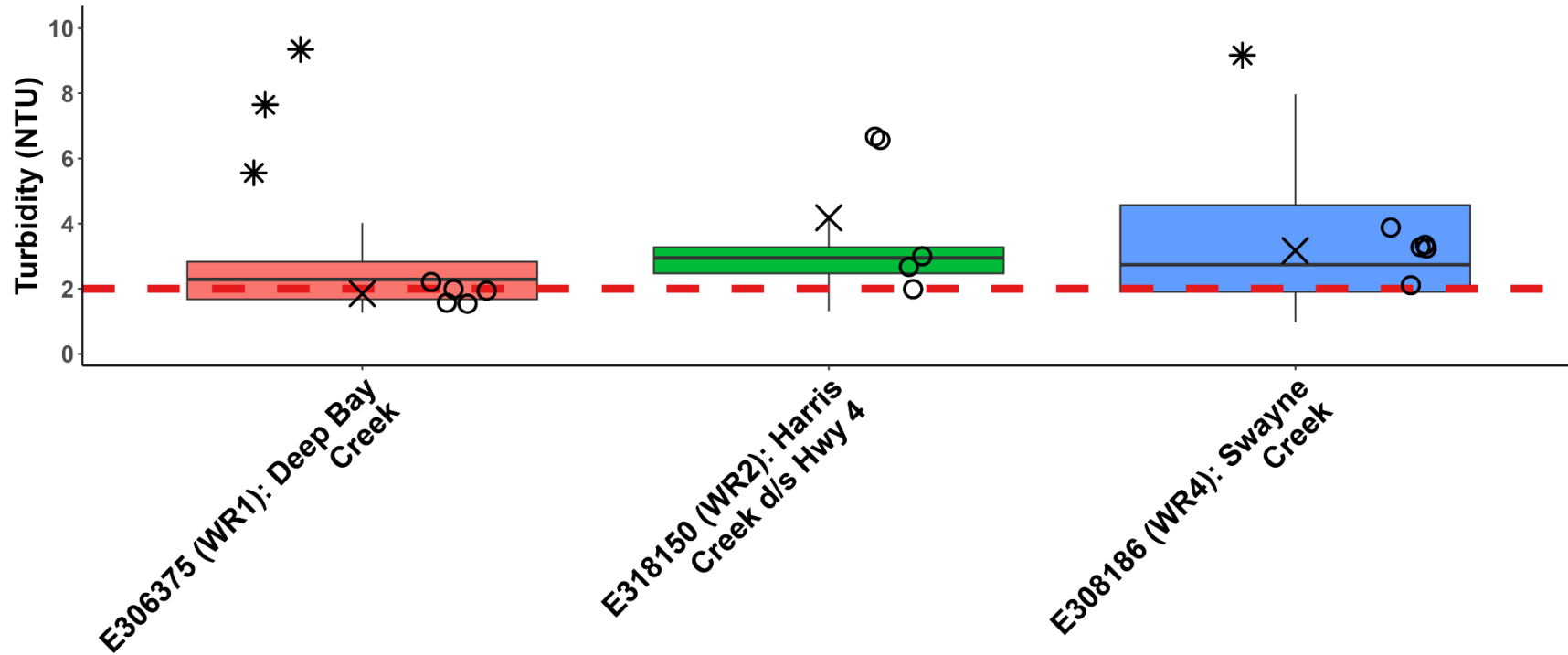
* Outlier 2011-2021 - Jan-Sept Max (2 NTU)
 O 2022 Samples
 X 2022 30-Day Mean



WR2: Little Qualicum Fall Turbidity



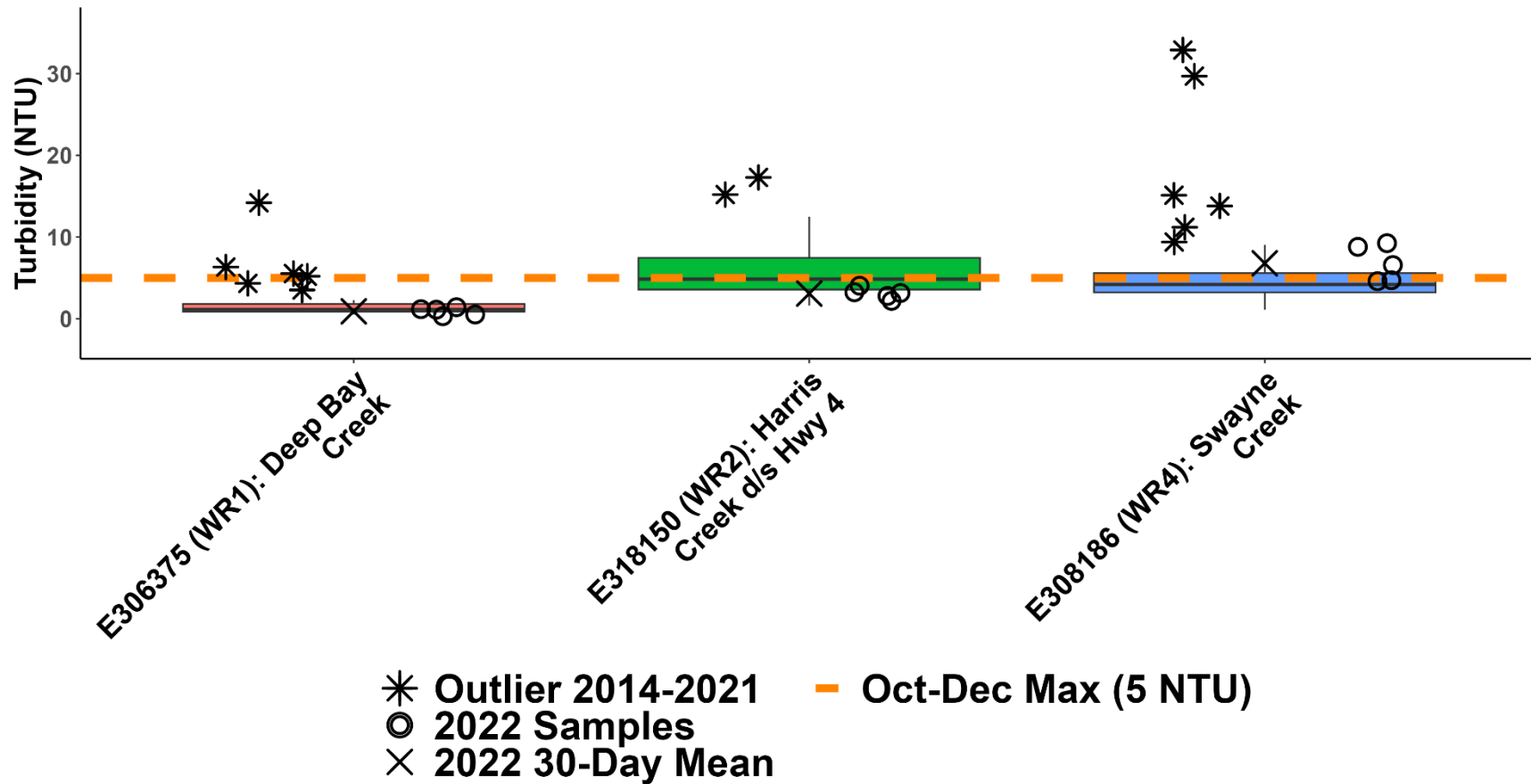
Sites with High Summer Turbidity Values



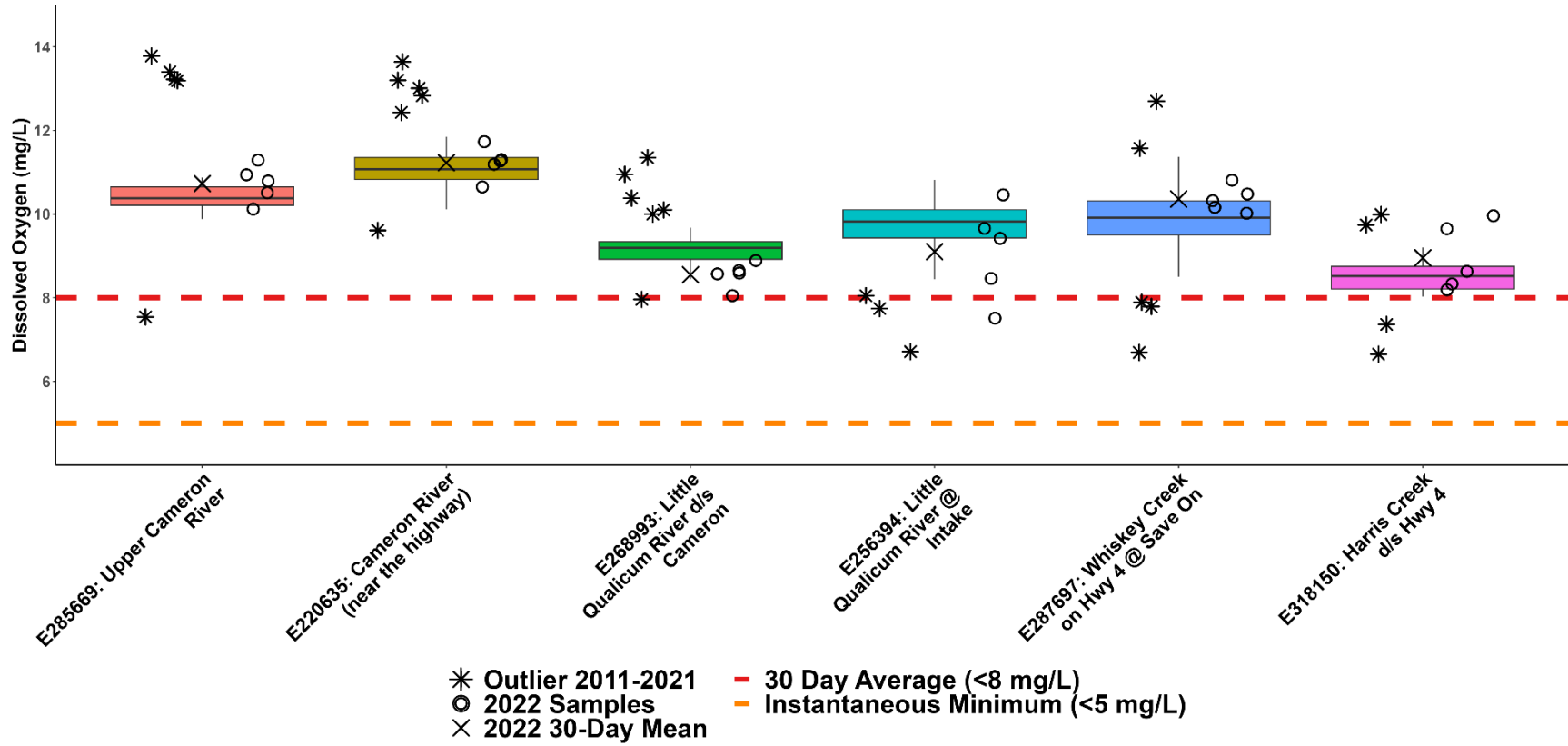
* Outlier 2014-2021 - Jan-Sept Max (2 NTU)
 ○ 2022 Samples
 × 2022 30-Day Mean



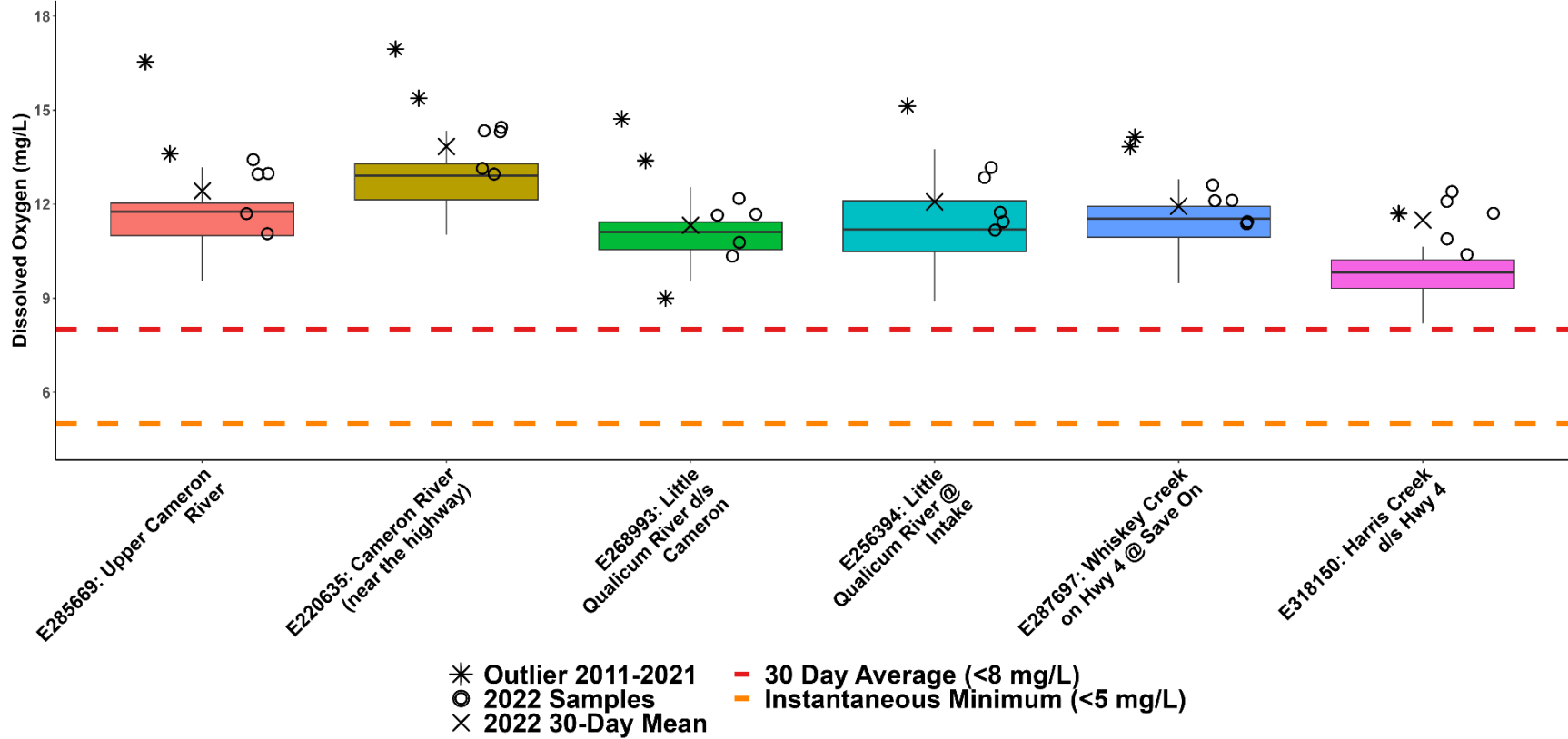
Sites with High Fall Turbidity Values



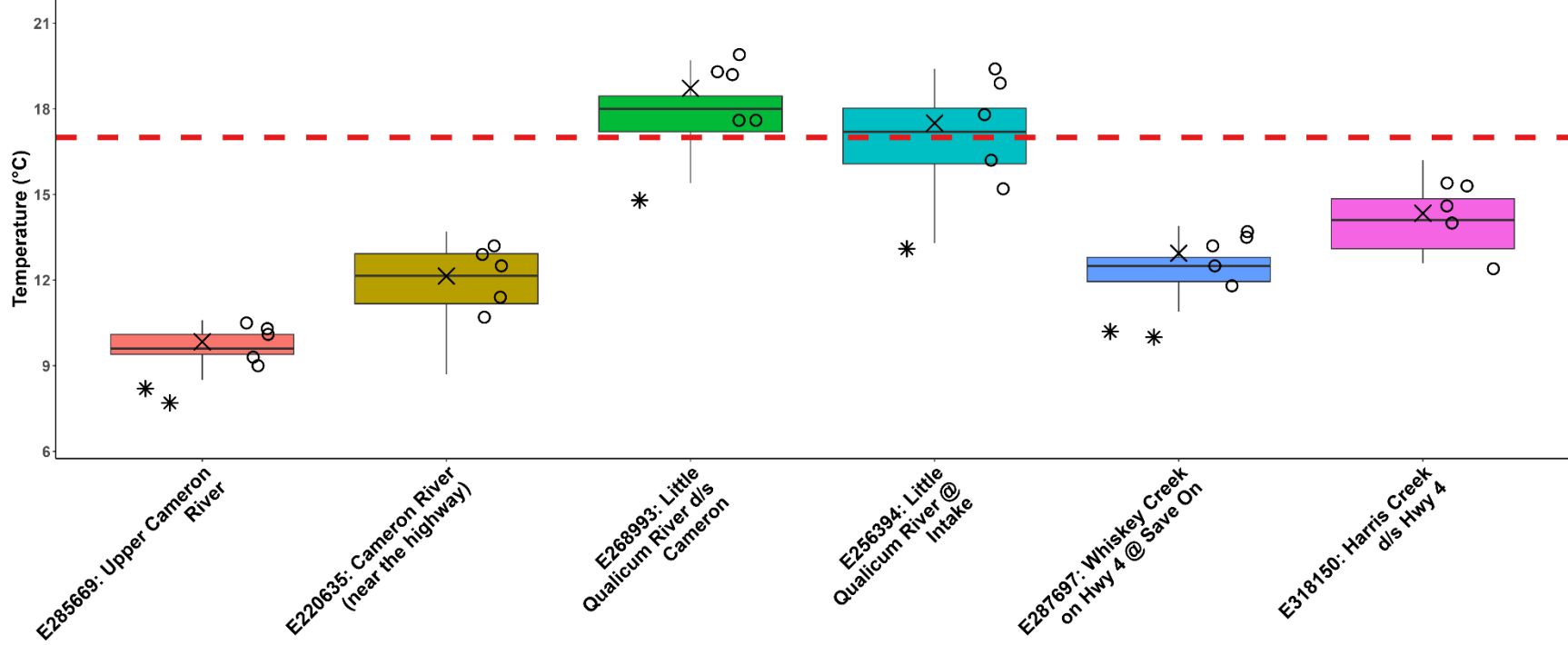
WR2: Little Qualicum Summer Dissolved Oxygen



WR2: Little Qualicum Fall Dissolved Oxygen



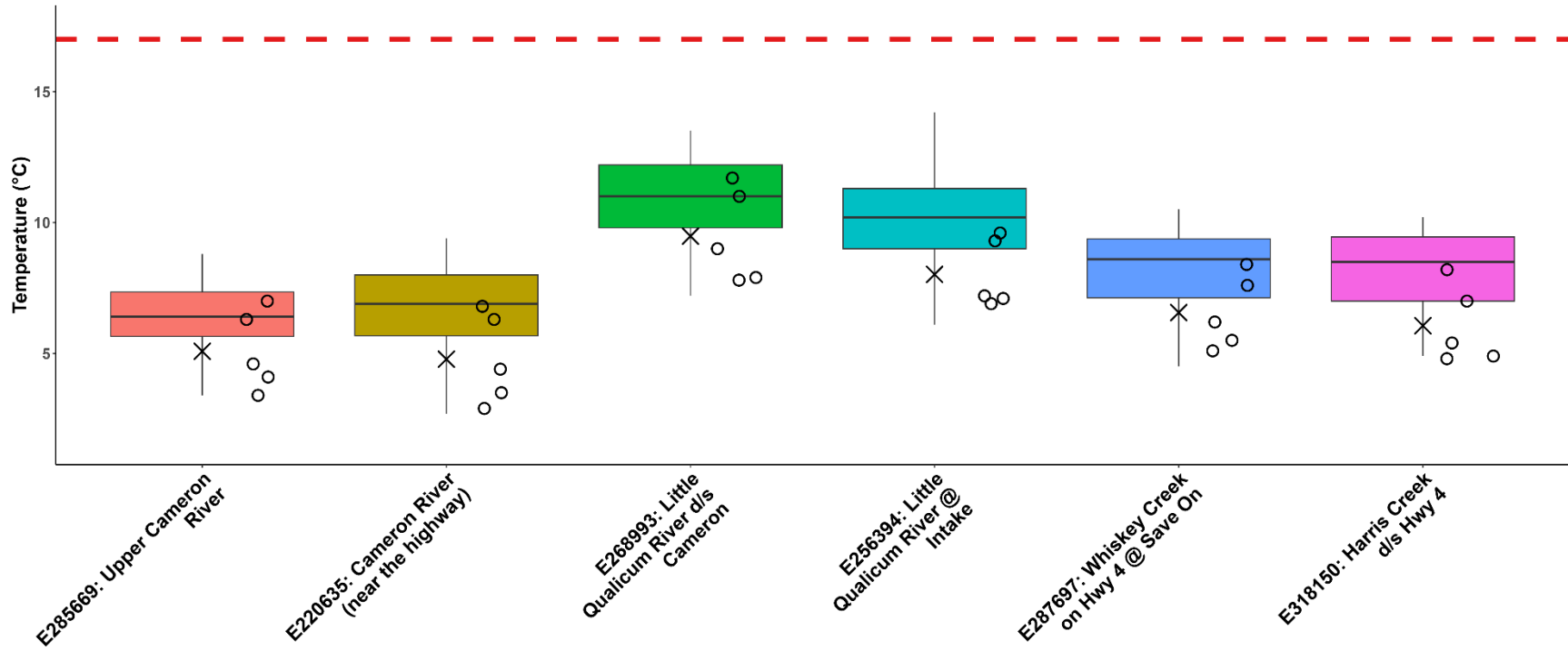
WR2: Little Qualicum Summer Temperature



* Outlier 2011-2021 - Aquatic Life Guideline for Coho Rearing (17°C)
 ○ 2022 Samples
 × 2022 30-Day Mean



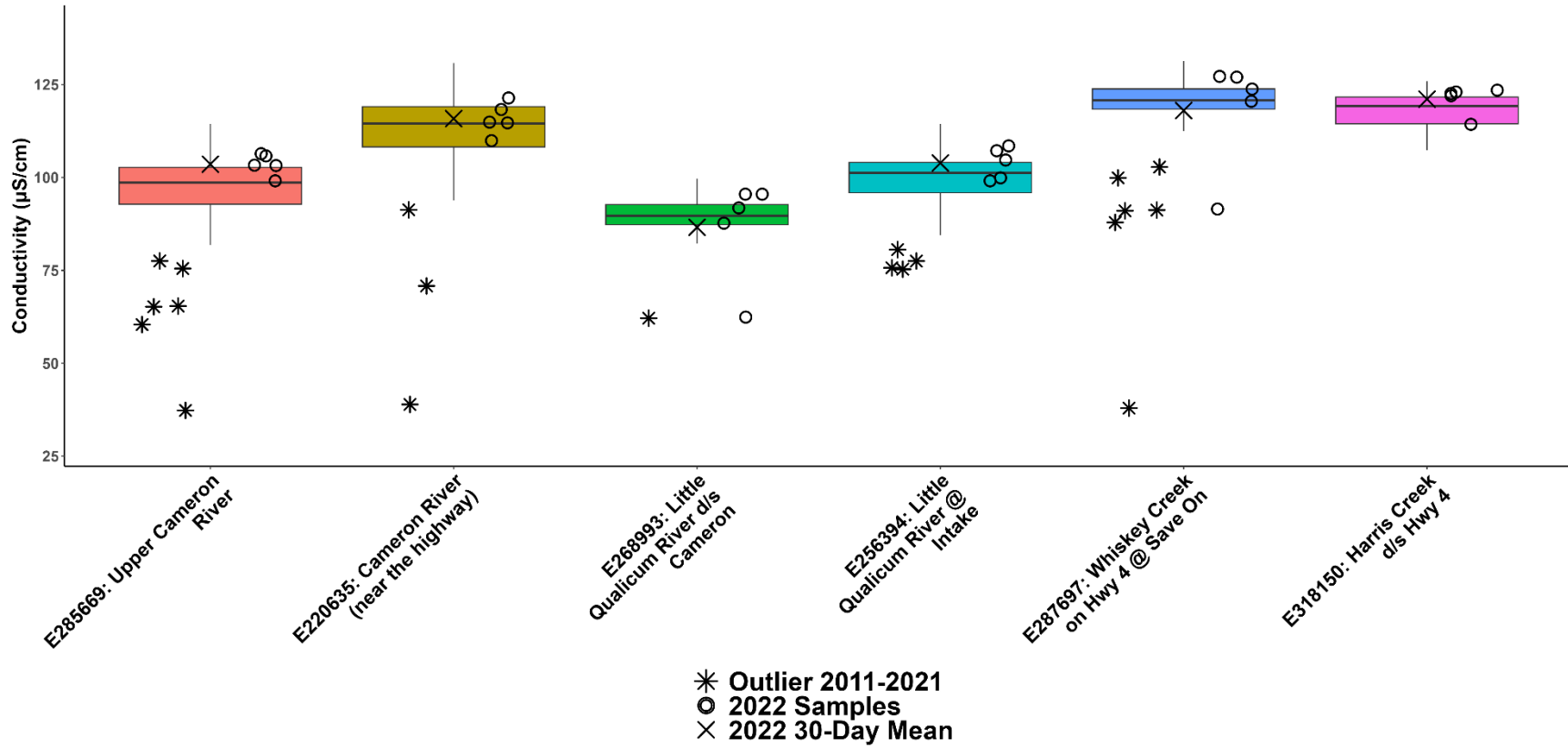
WR2: Little Qualicum Fall Temperature



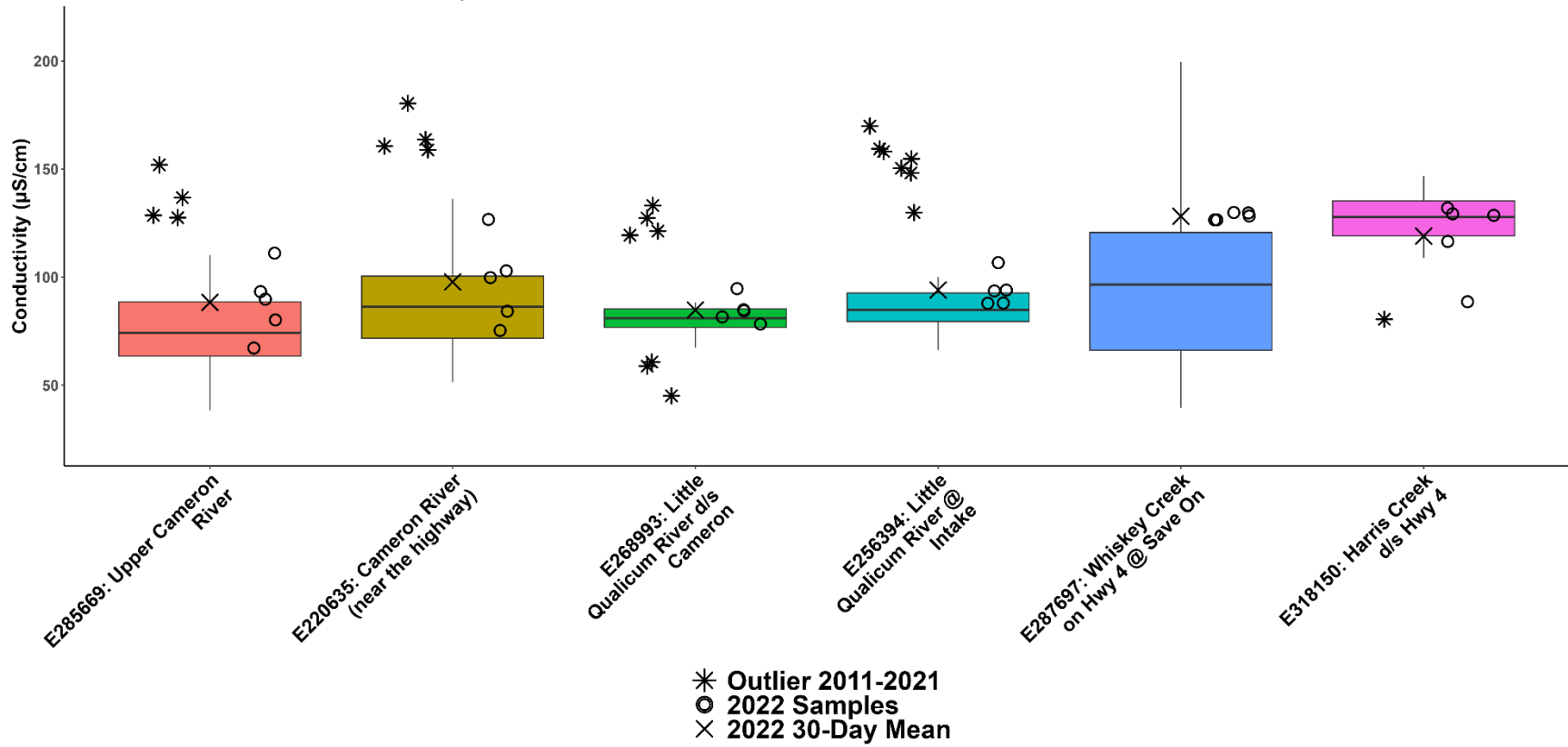
* Outlier 2011-2021 - Aquatic Life Guideline for Coho Rearing (17°C)
 ○ 2022 Samples
 × 2022 30-Day Mean

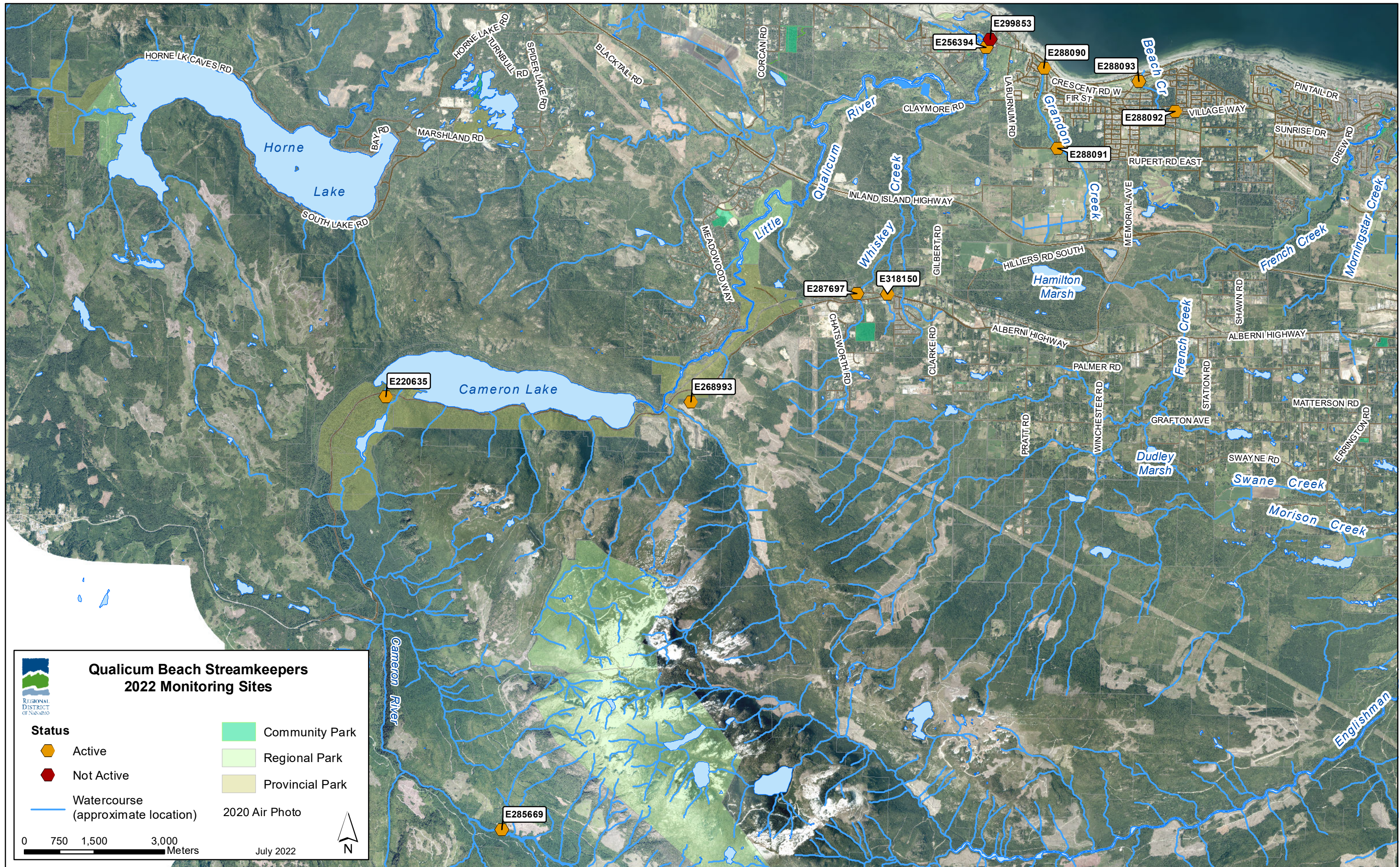


WR2: Little Qualicum Summer Conductivity









WR2: Little Qualicum Fall Conductivity





**Qualicum Beach Streamkeepers
2022 Monitoring Sites**

REGIONAL DISTRICT OF NANAIMO

Status	 Community Park
 Active	 Regional Park
 Not Active	 Provincial Park
 Watercourse (approximate location)	2020 Air Photo

0 750 1,500 3,000 Meters

July 2022

N