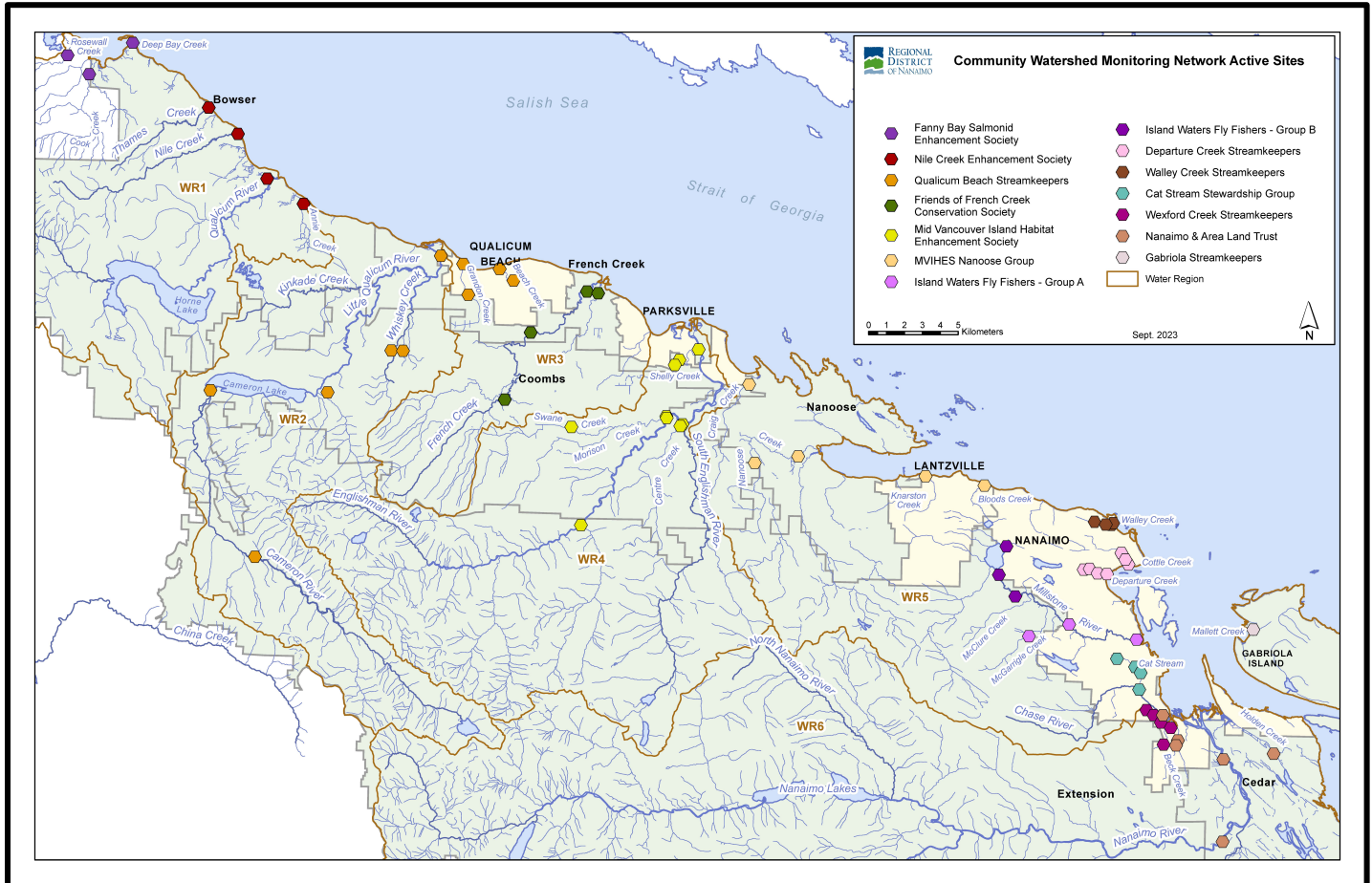


Community Watershed Monitoring Network 2023 Results by Water Region



Included in Water Region (WR) 5-2 package:

1. CWMN WR5-2 sample sites
2. How to interpret a box plot
3. Box Plot Comparison – 2023 data to previous years: *displayed by parameter (Turbidity, Dissolved Oxygen, Temperature, Conductivity) & sample period (summer, fall)*
4. Island Waters Fly Fishers (IWFF) map
5. Cat Stream Stewards (CSS) map
6. Nanaimo and Area Land Trust (NALT) map



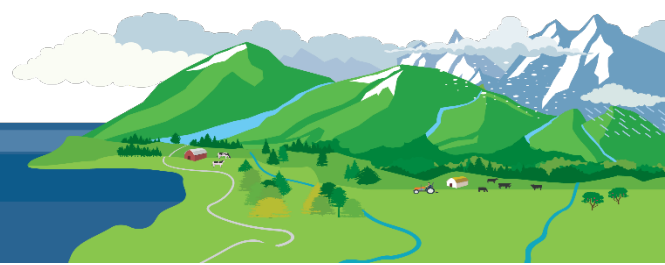
Water Region 5-2
sampled by:
Island Waters Fly Fishers (IWFF)
&
Cat Stream Stewards (CSS)
&
Nanaimo and Area Land Trust (NALT)



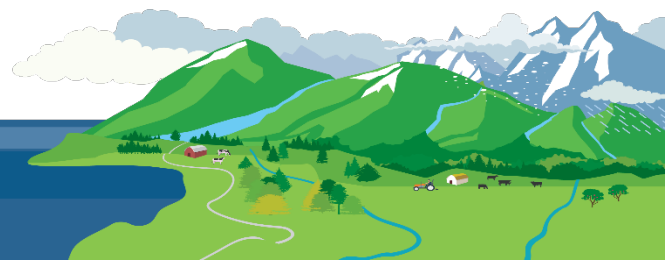
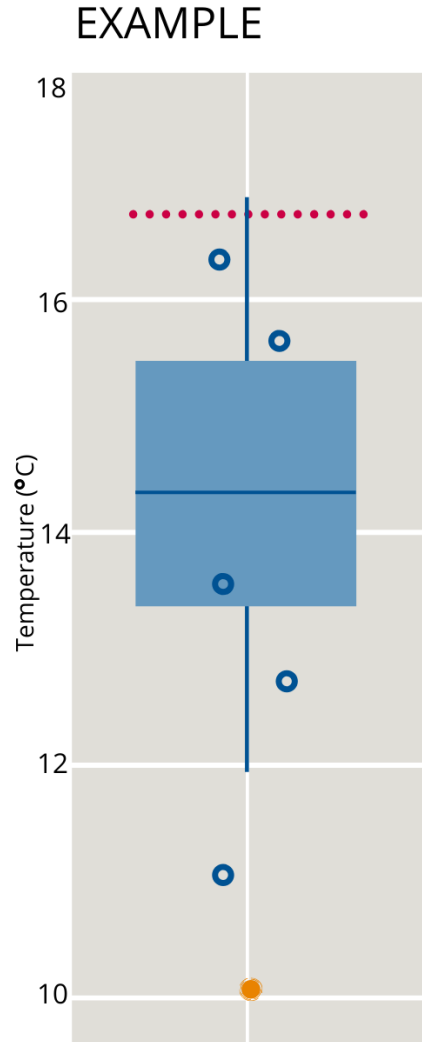
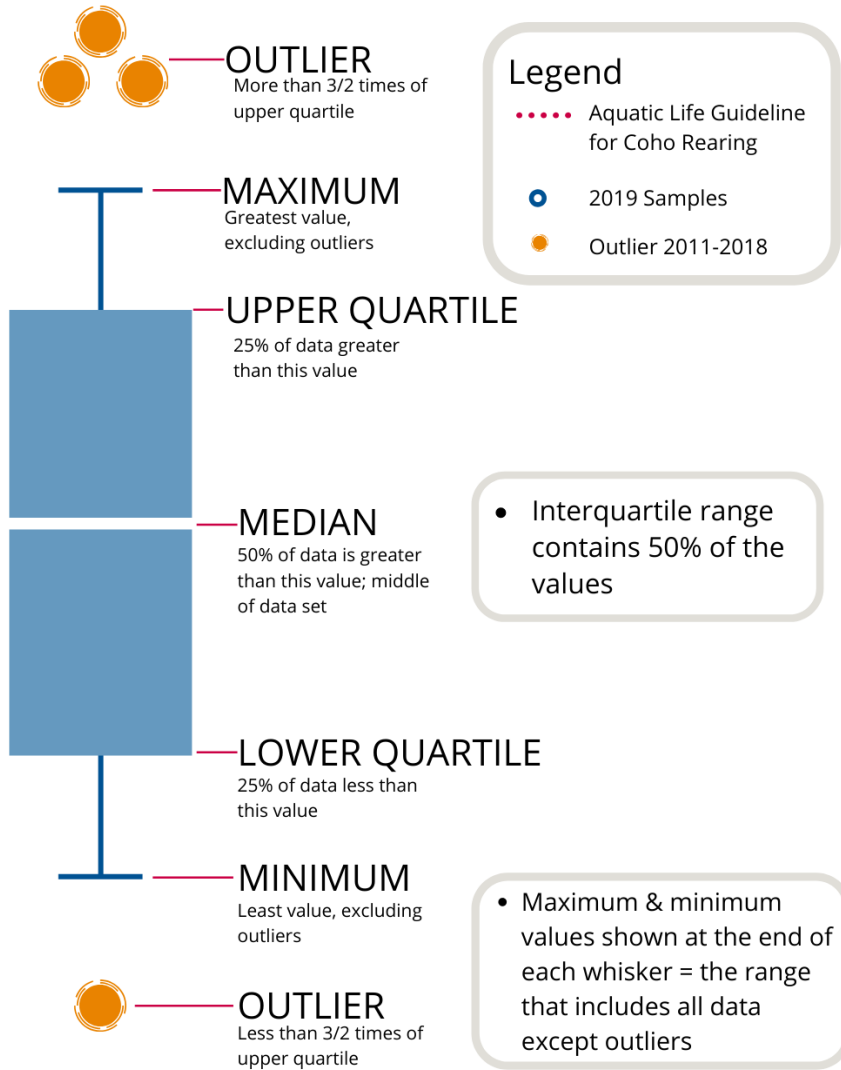
WR5-2 CWMN Sample Sites:

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.

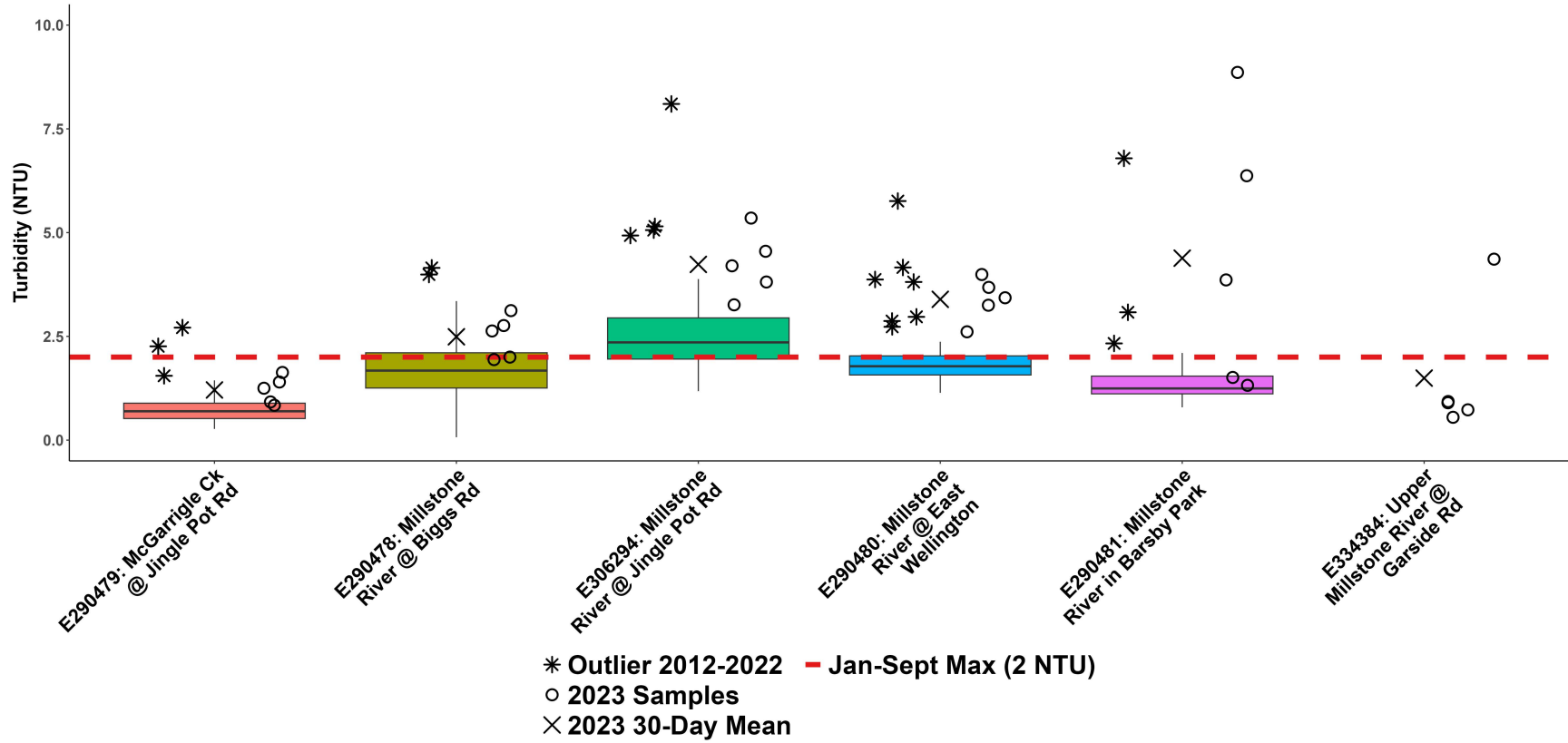
Group	EMS ID	Geographic Description	Years Sampled	Years Monitored
IWFF	E290478	Millstone River @ Biggs Road	12	2012 – present
IWFF	E306294	Millstone River @ Jingle Pot Road	8	2016 – present
IWFF	E290479	McGarrigle Ck @ Jingle Pot Rd	12	2012 – present
IWFF	E290480	Millstone River @ East Wellington	12	2012 – present
IWFF	E290481	Millstone River in Barsby Park	12	2012 – present
IWFF	E334384	Upper Millstone Creek upstream Garside Rd	1	2023 – present
CSS	E325371	Cat Stream d/s Wakesiah Ave	3	2021 – present
CSS	E325372	Cat Stream 10m u/s Pine St	3	2021 – present
CSS	E325373	Cat Stream at end of Albion St	3	2021 – present
CSS	E290486	Cat Stream @ Park above confluence with Chase River	12	2012 – present
NALT	E290483	Chase River @ Aebig	12	2012 – present



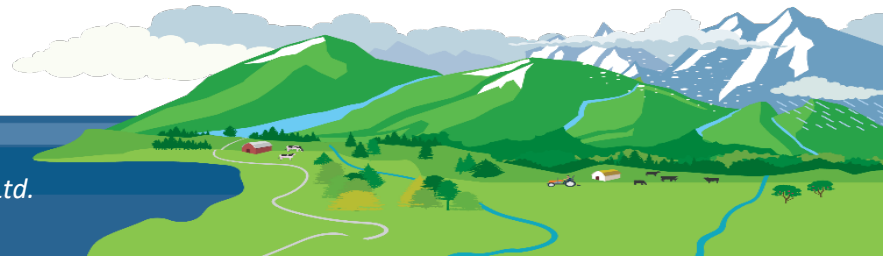
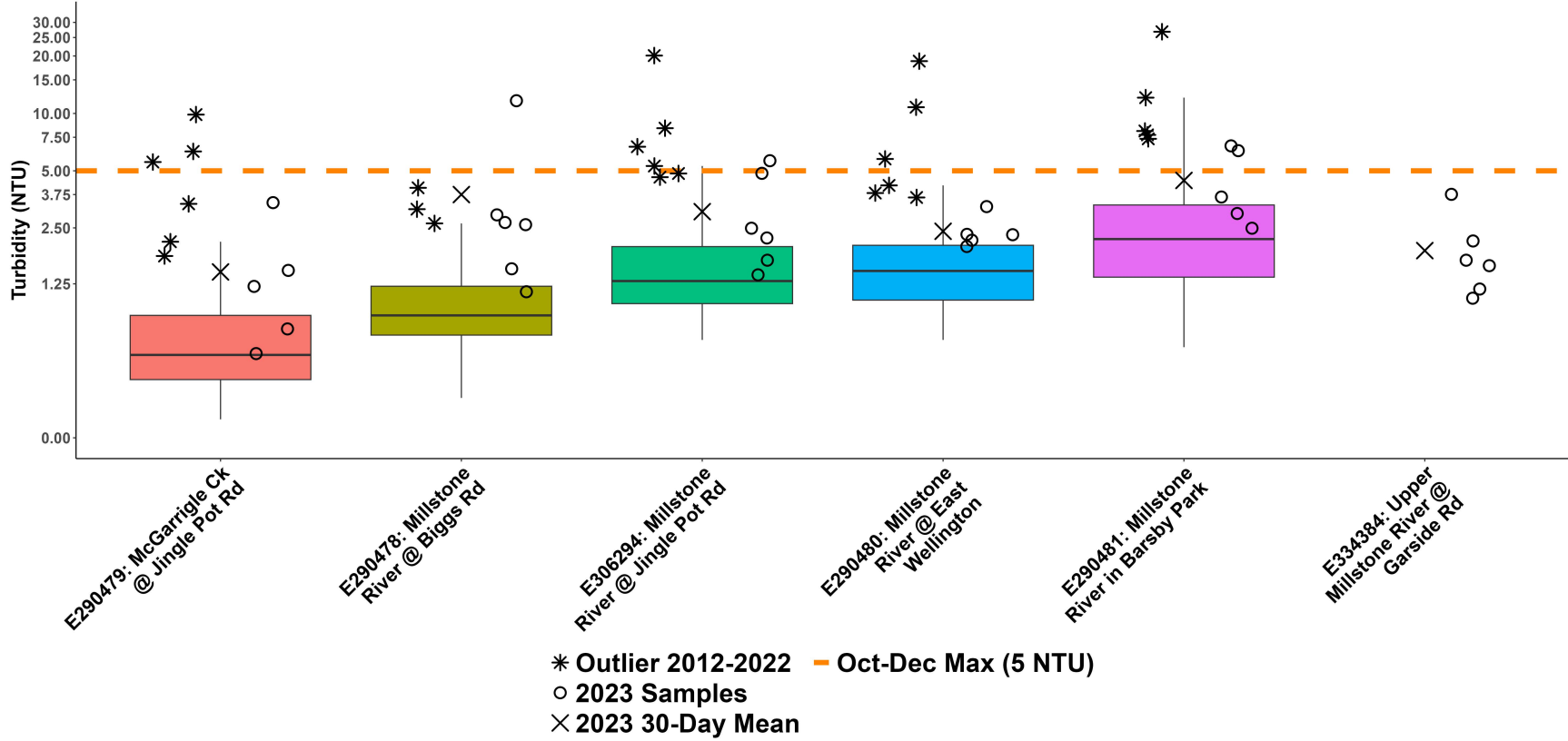
How to Interpret a Box Plot:



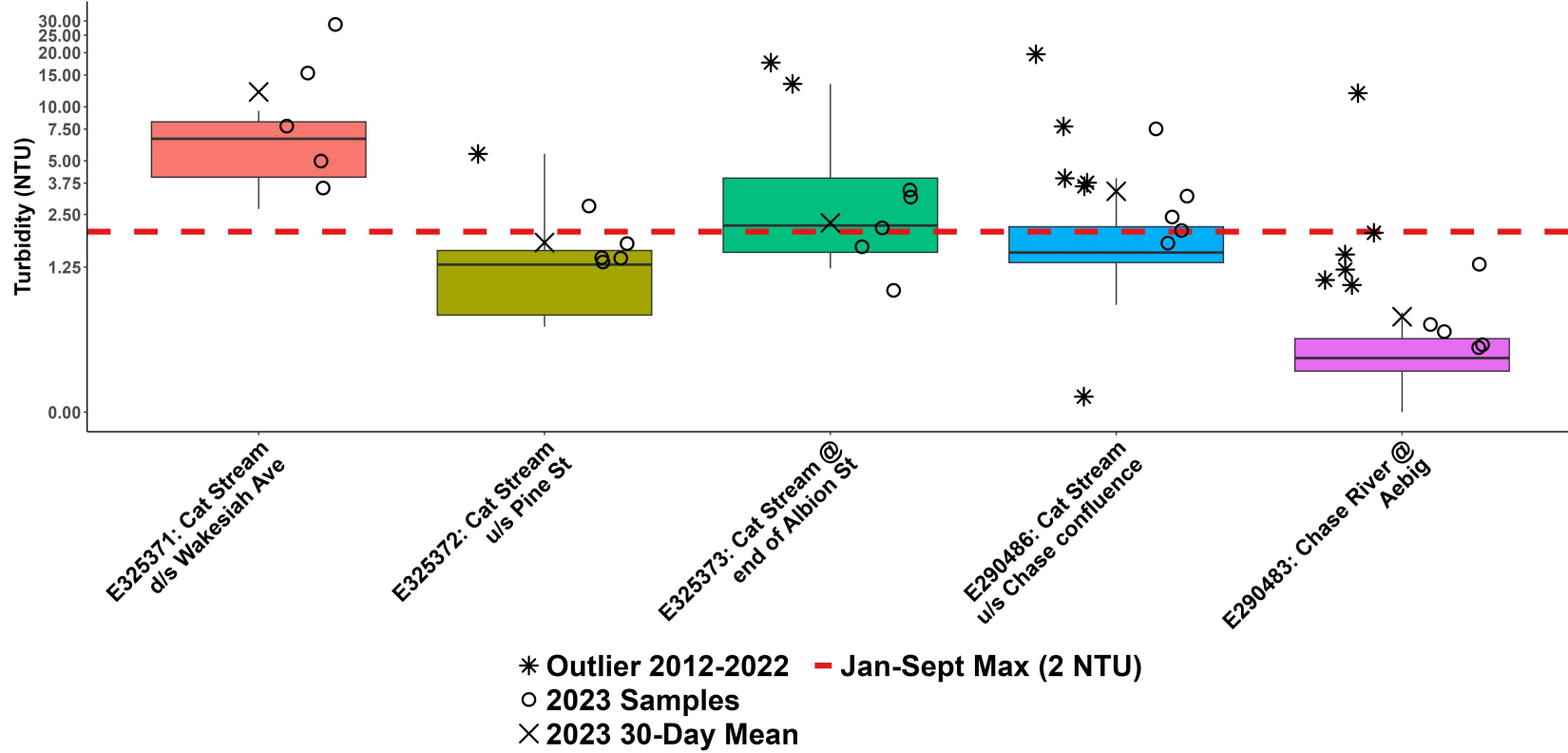
WR5-2a: South Wellington to Nanoose Summer Turbidity



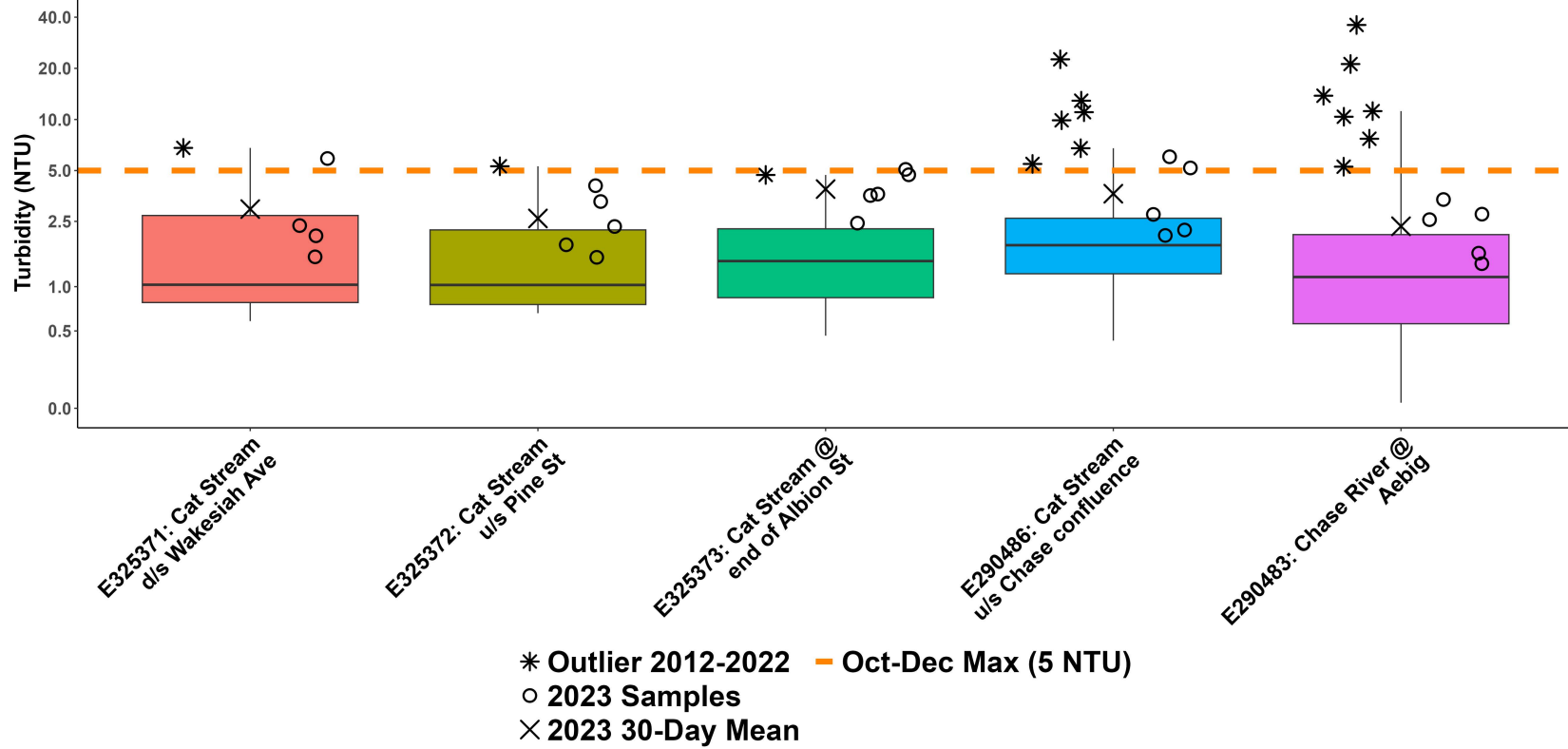
WR5-2a: South Wellington to Nanoose Fall Turbidity



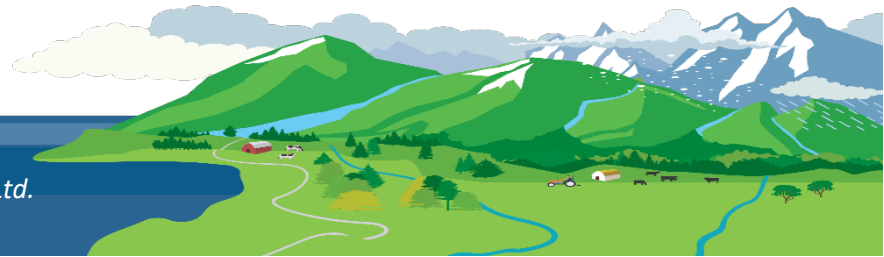
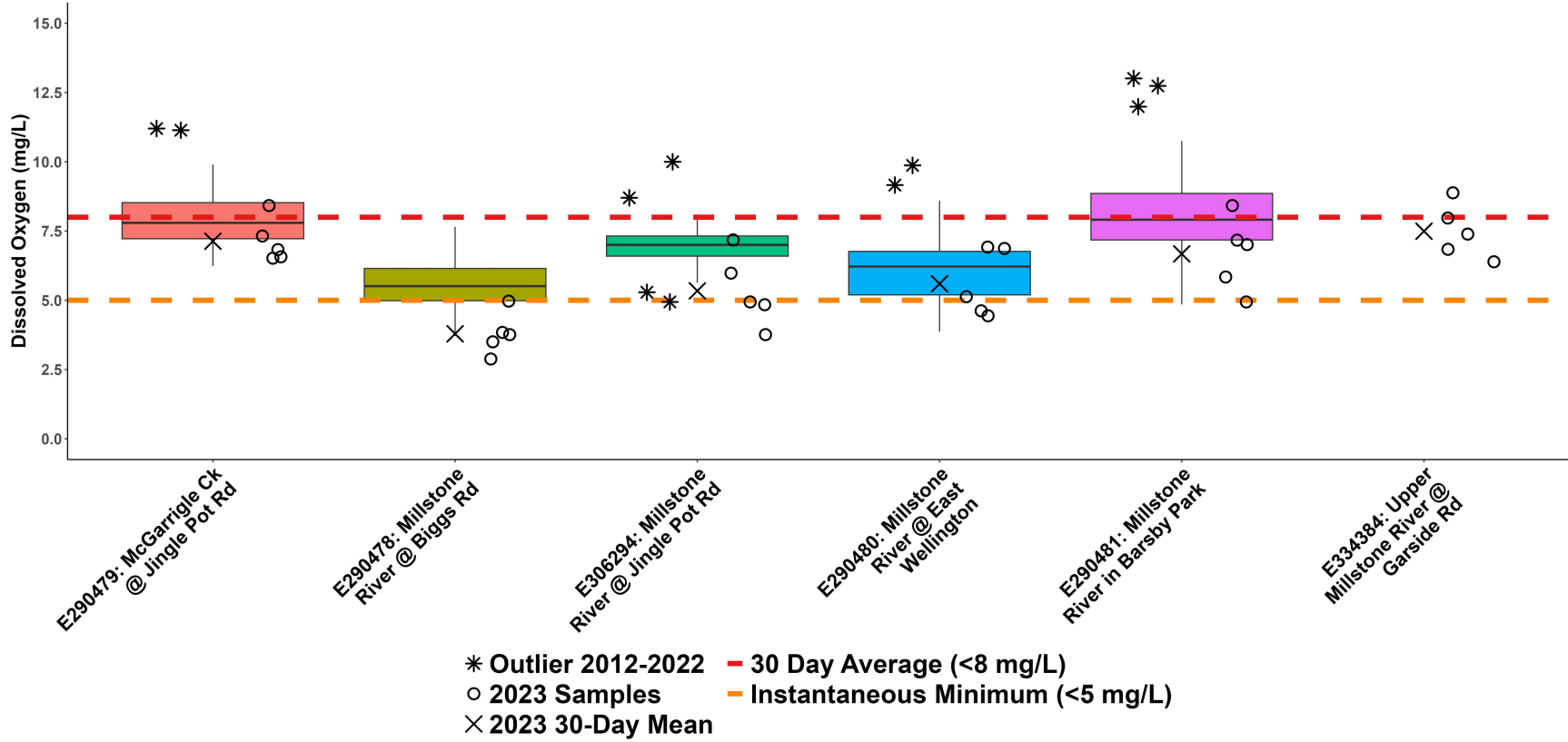
WR5-2b: South Wellington to Nanoose Summer Turbidity



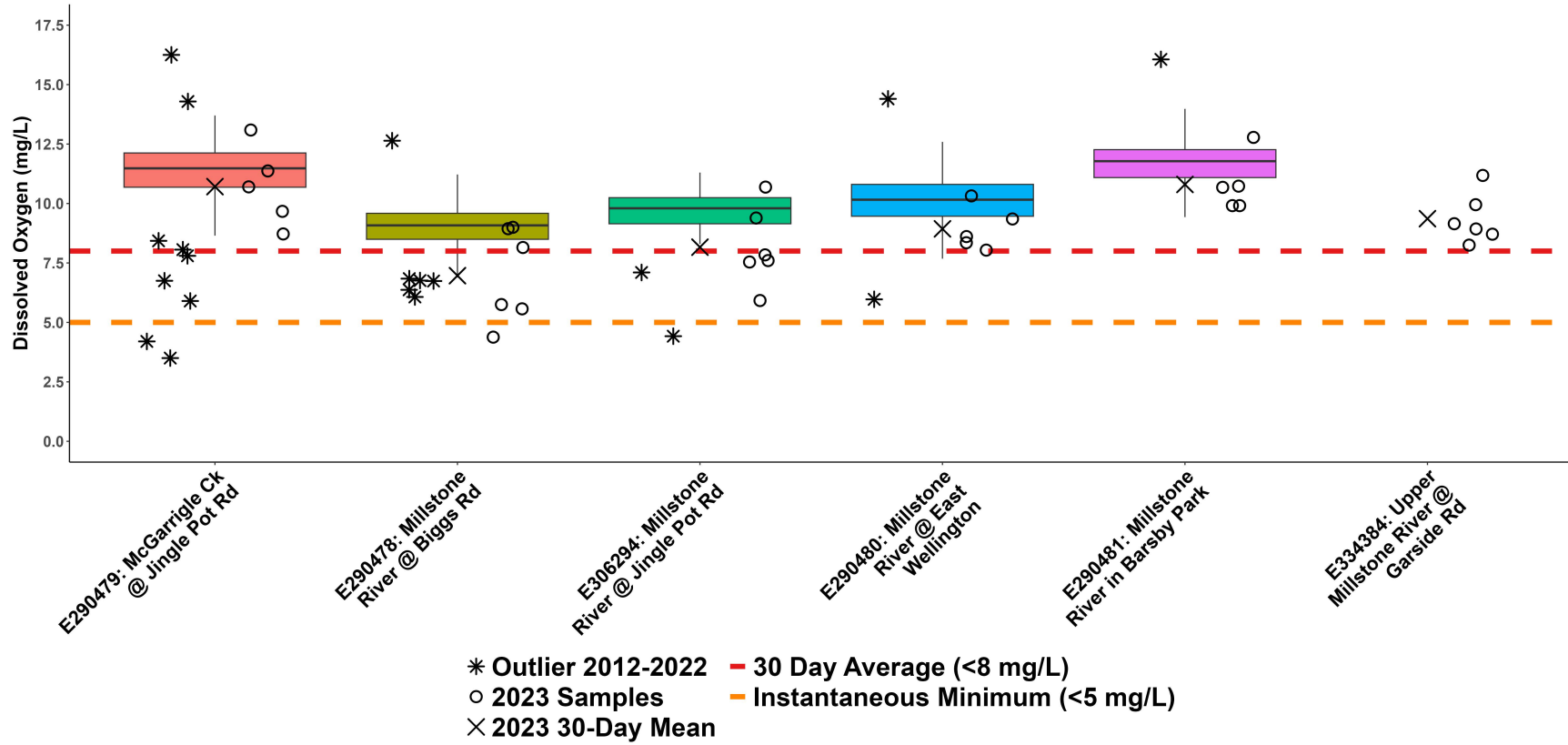
WR5-2b: South Wellington to Nanoose Fall Turbidity



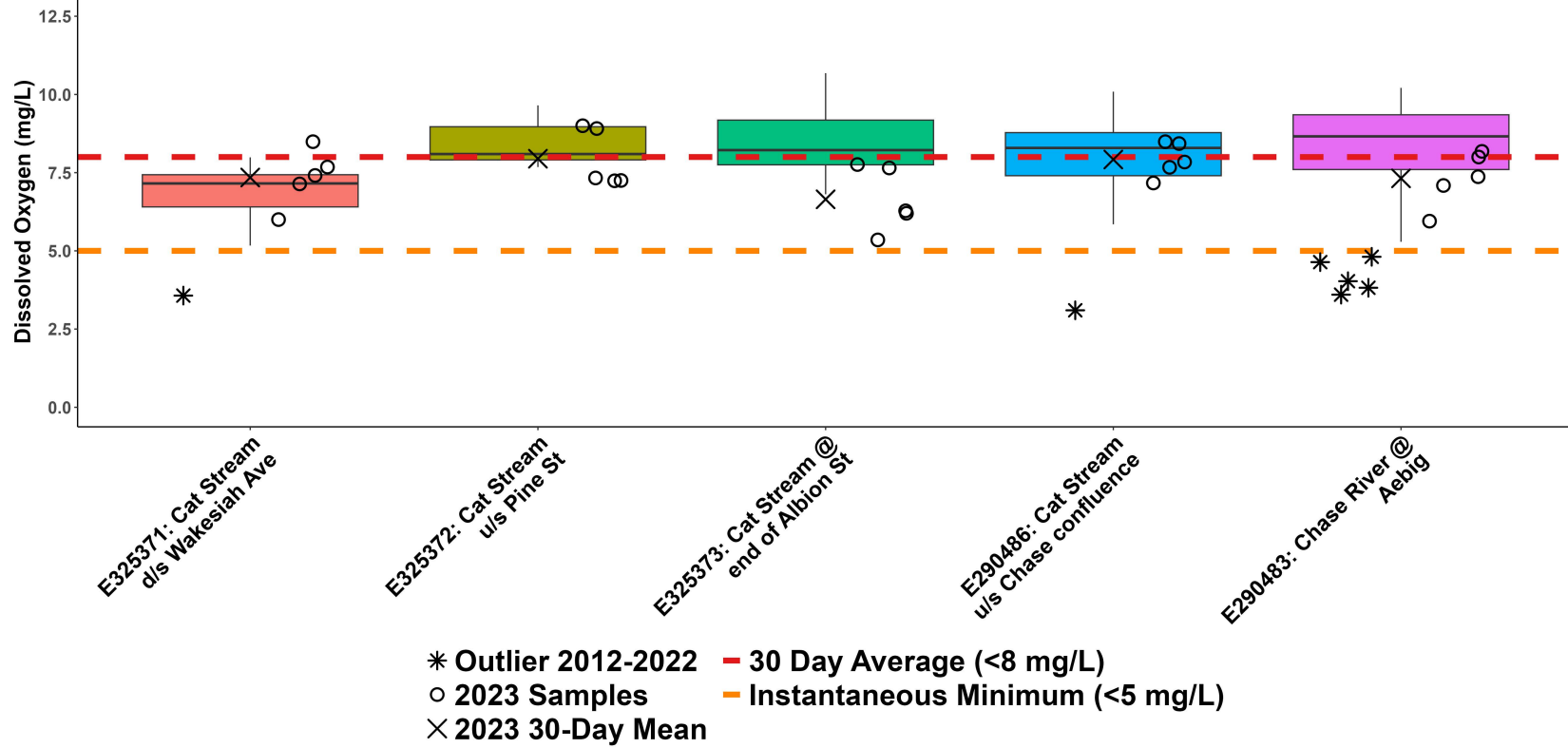
WR5-2a: South Wellington to Nanoose Summer Dissolved Oxygen



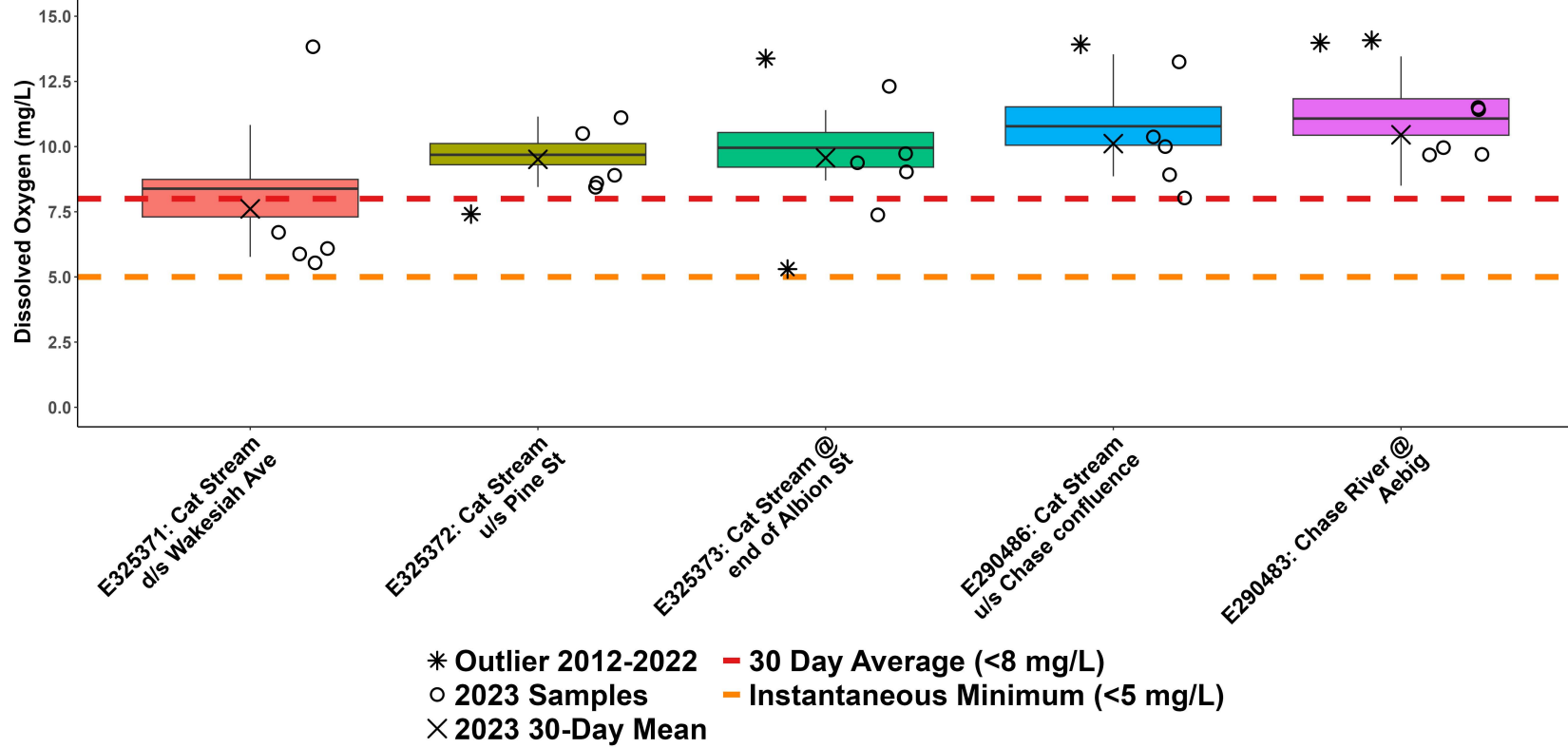
WR5-2a: South Wellington to Nanoose Fall Dissolved Oxygen



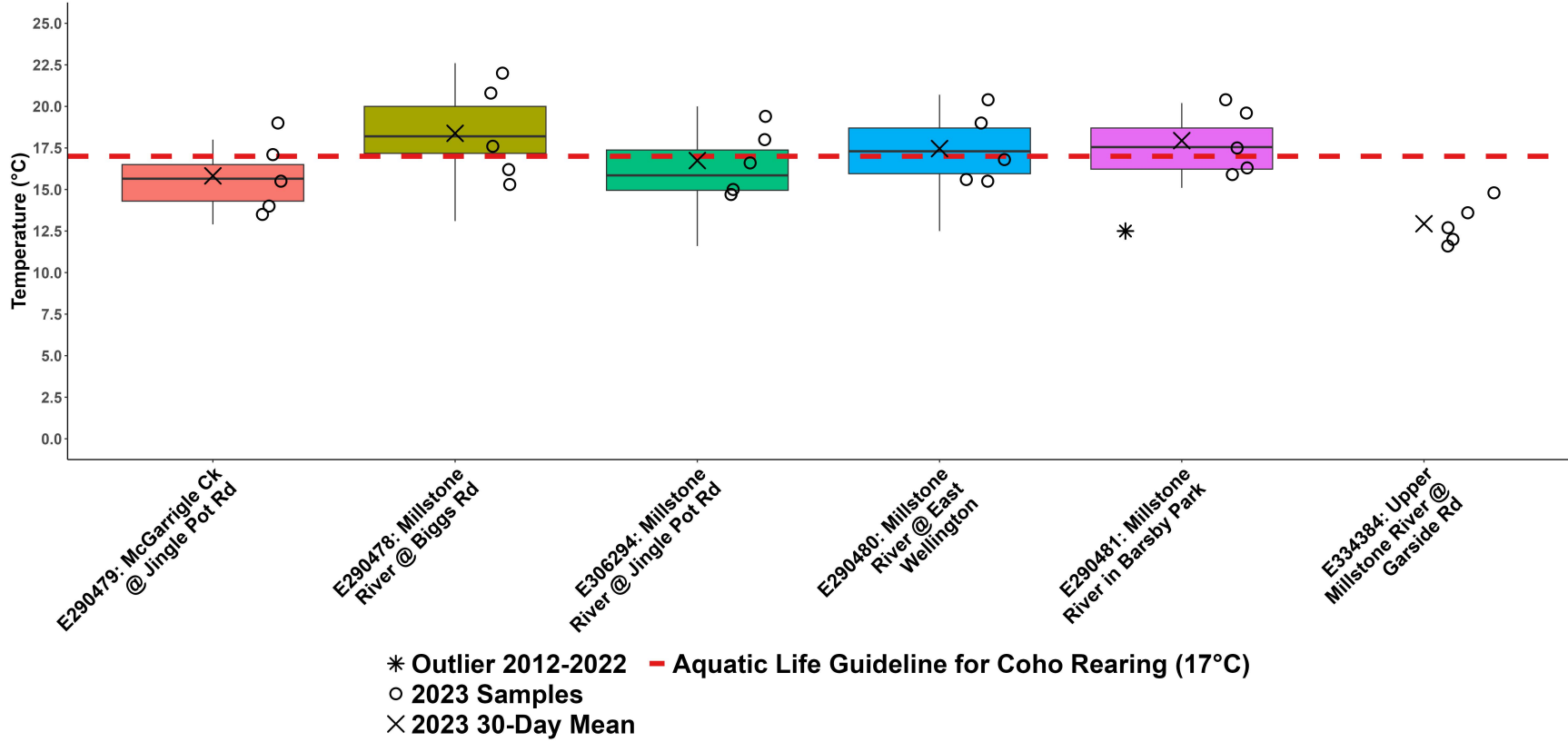
WR5-2b: South Wellington to Nanoose Summer Dissolved Oxygen



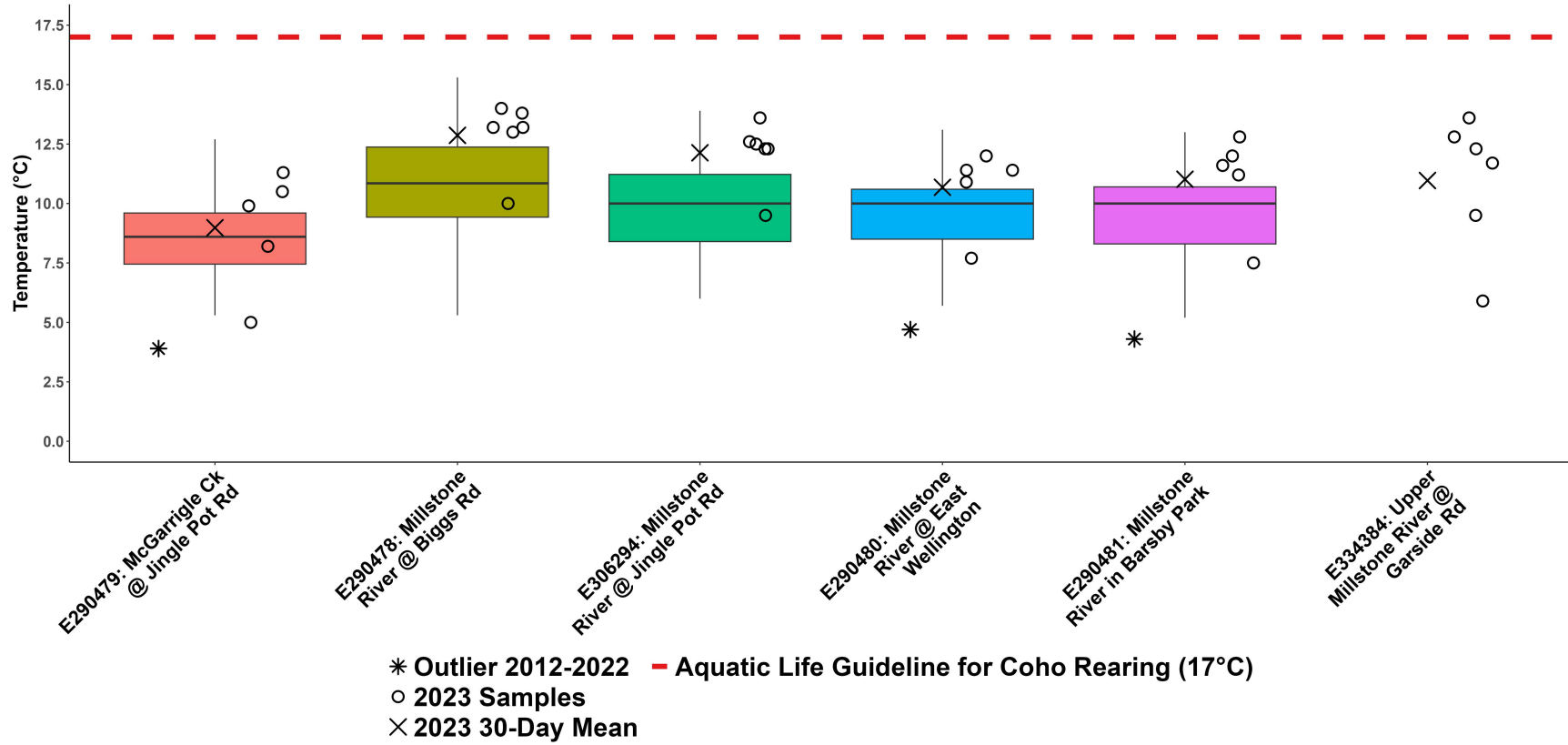
WR5-2b: South Wellington to Nanoose Fall Dissolved Oxygen



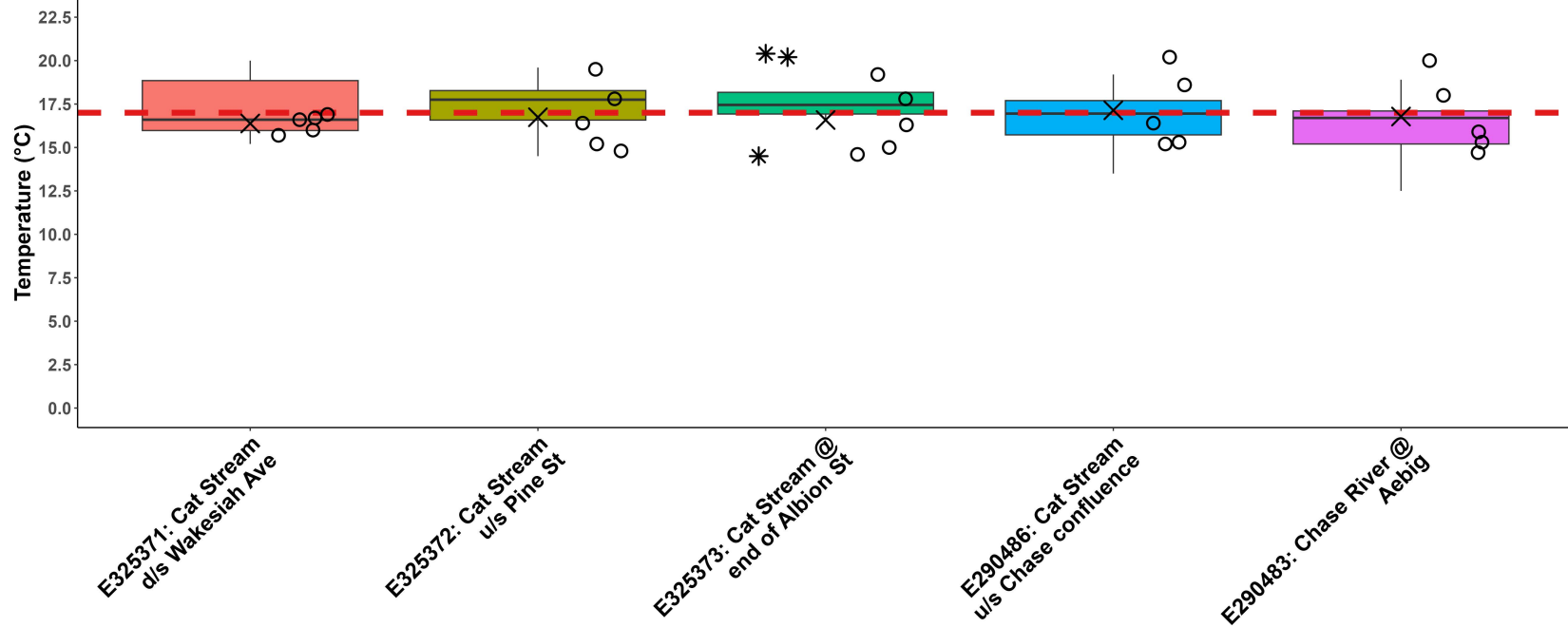
WR5-2a: South Wellington to Nanoose Summer Temperature



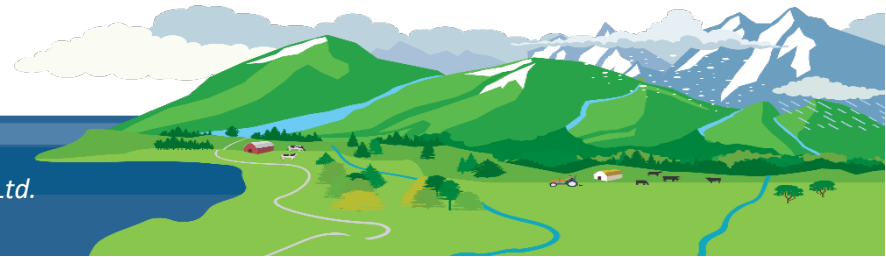
WR5-2a: South Wellington to Nanoose Fall Temperature



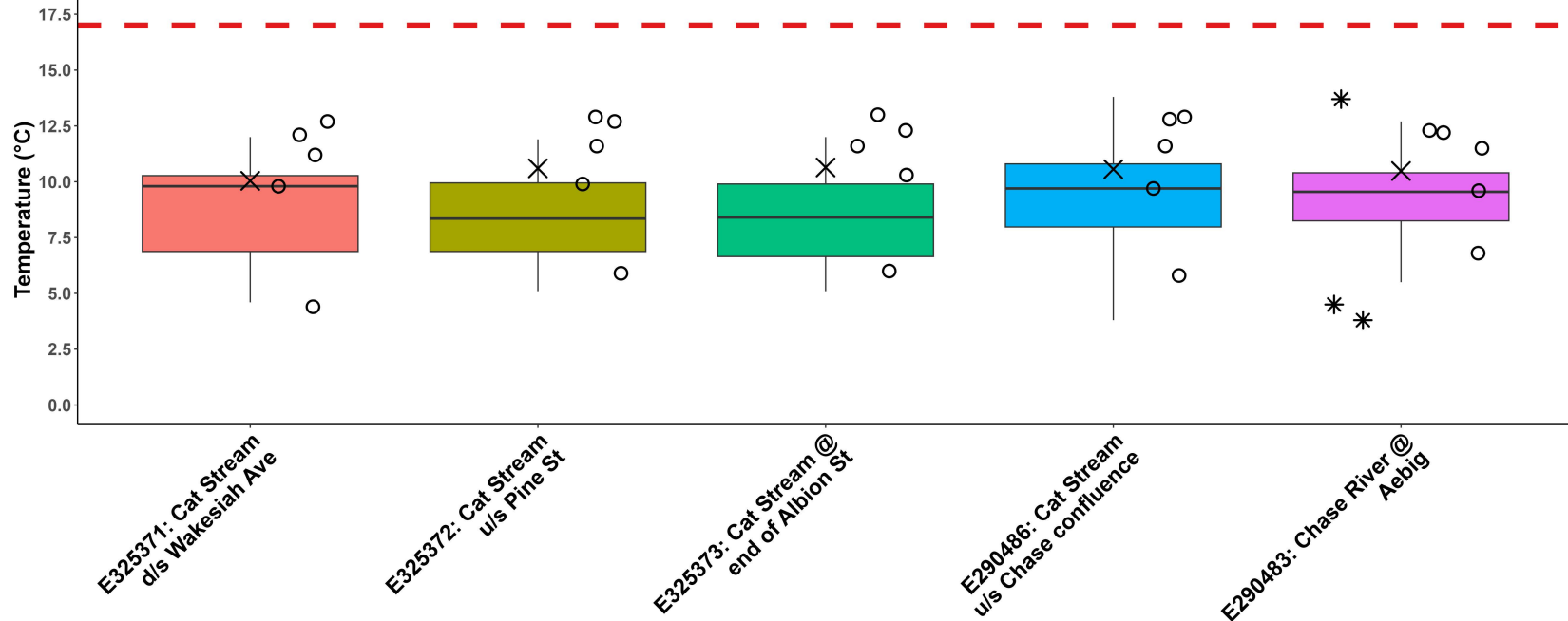
WR5-2b: South Wellington to Nanoose Summer Temperature



* Outlier 2012-2022 - Aquatic Life Guideline for Coho Rearing (17°C)
 ○ 2023 Samples
 × 2023 30-Day Mean



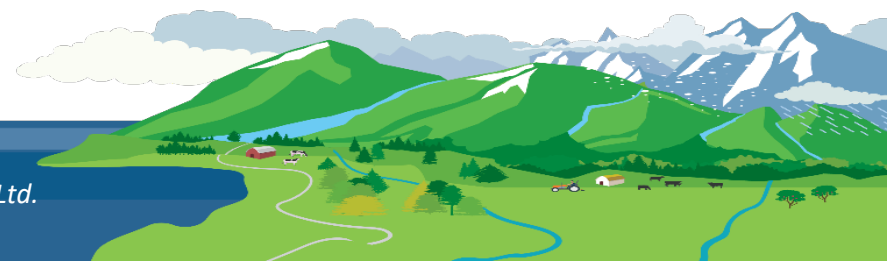
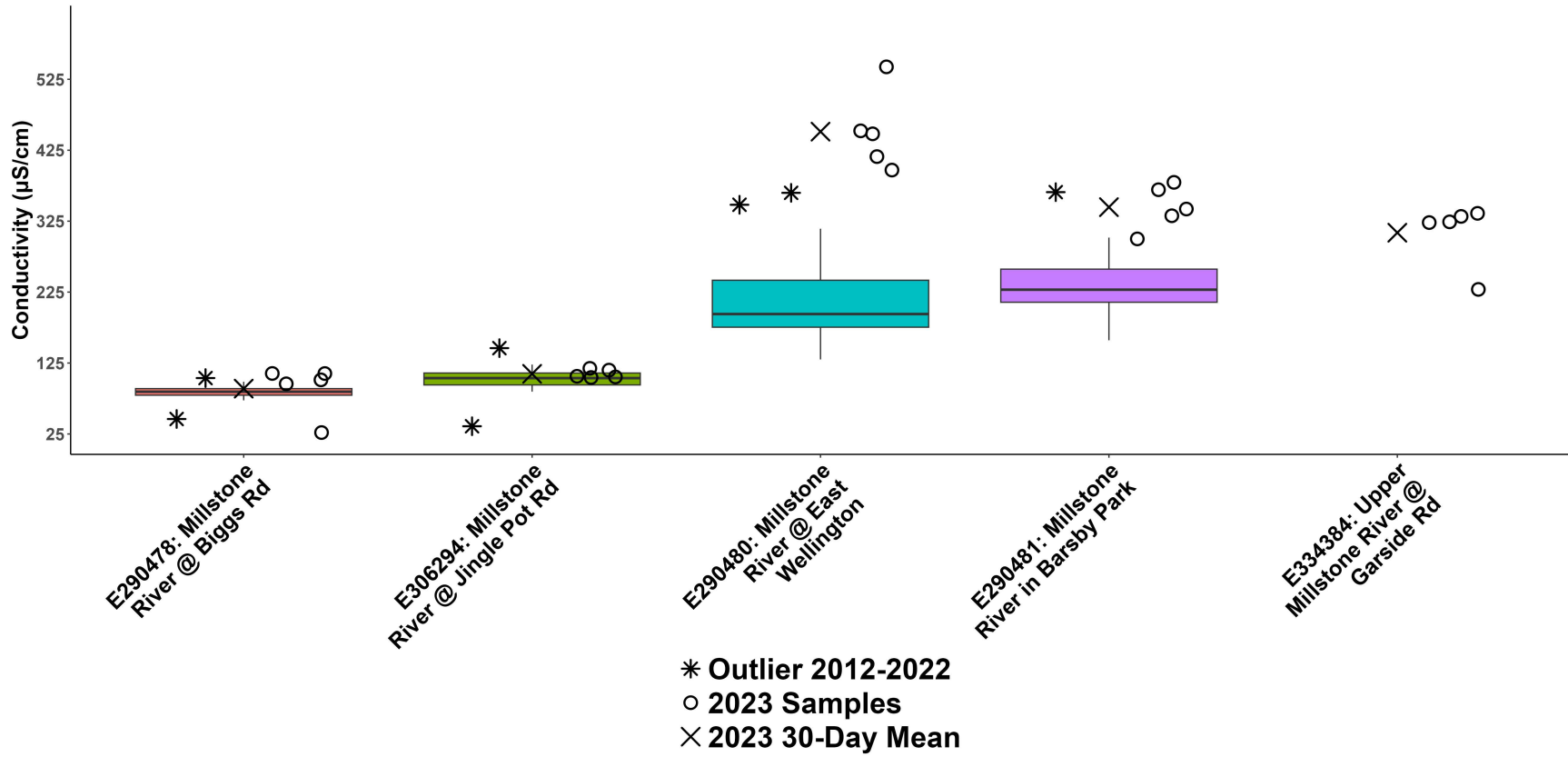
WR5-2b: South Wellington to Nanoose Fall Temperature



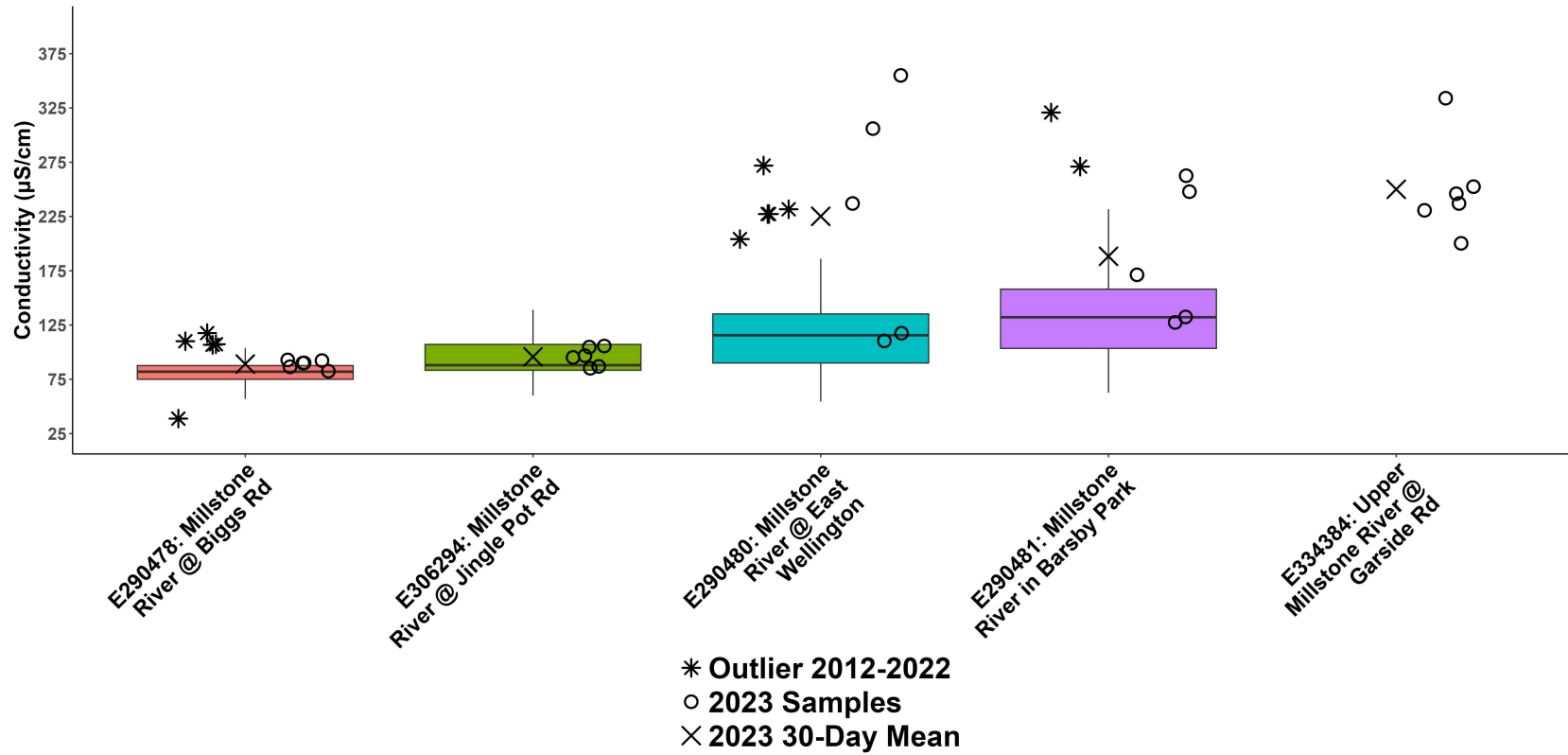
* Outlier 2012-2022 - Aquatic Life Guideline for Coho Rearing (17°C)
 ○ 2023 Samples
 × 2023 30-Day Mean



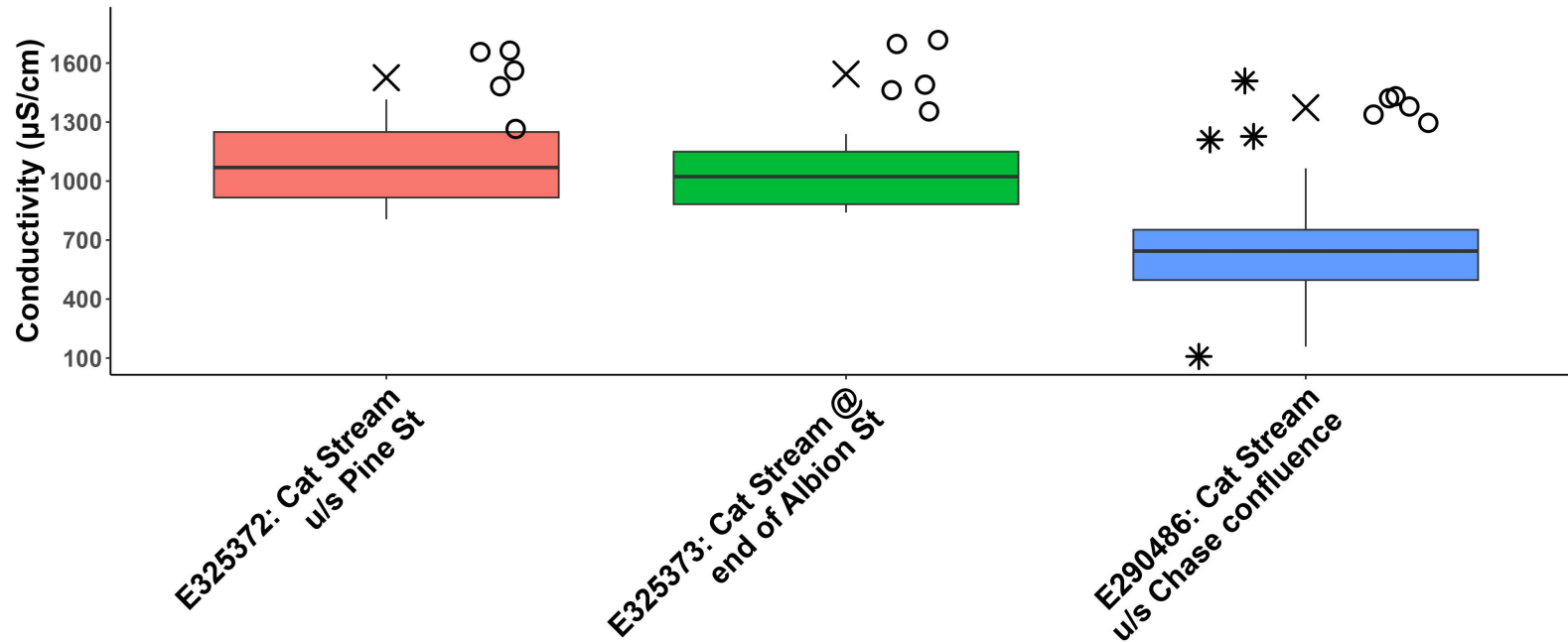
WR5-2a: South Wellington to Nanoose Summer Conductivity



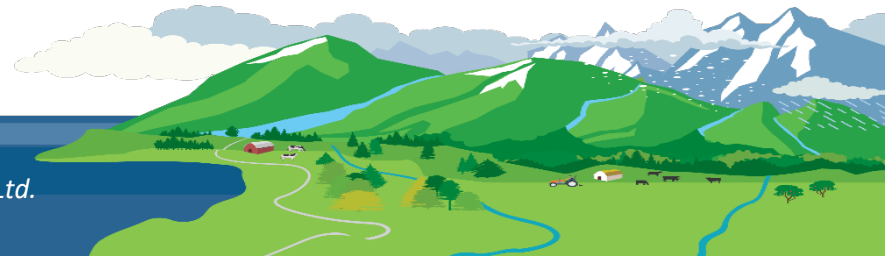
WR5-2a: South Wellington to Nanoose Fall Conductivity



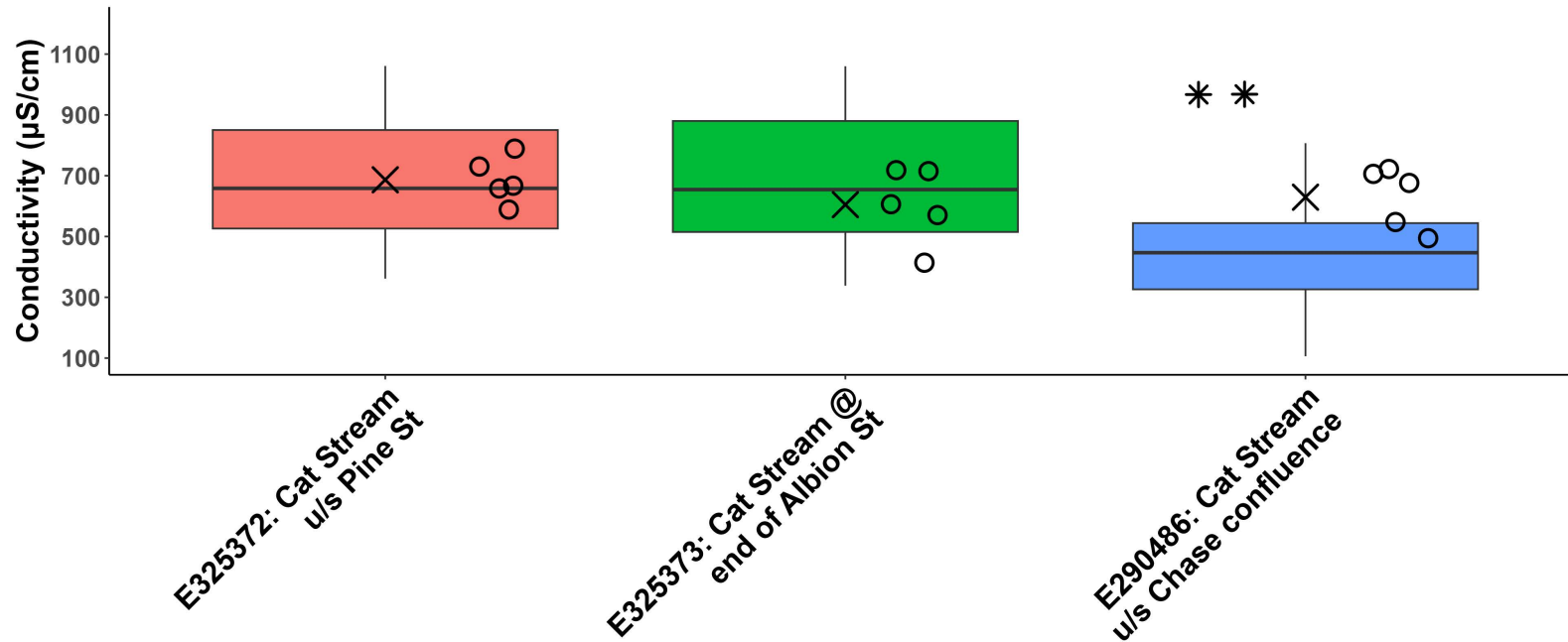
WR5-2b: South Wellington to Nanoose Summer Conductivity



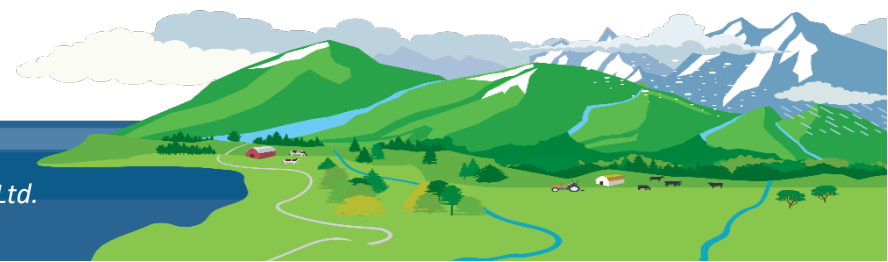
- * Outlier 2012-2022
- o 2023 Samples
- X 2023 30-Day Mean

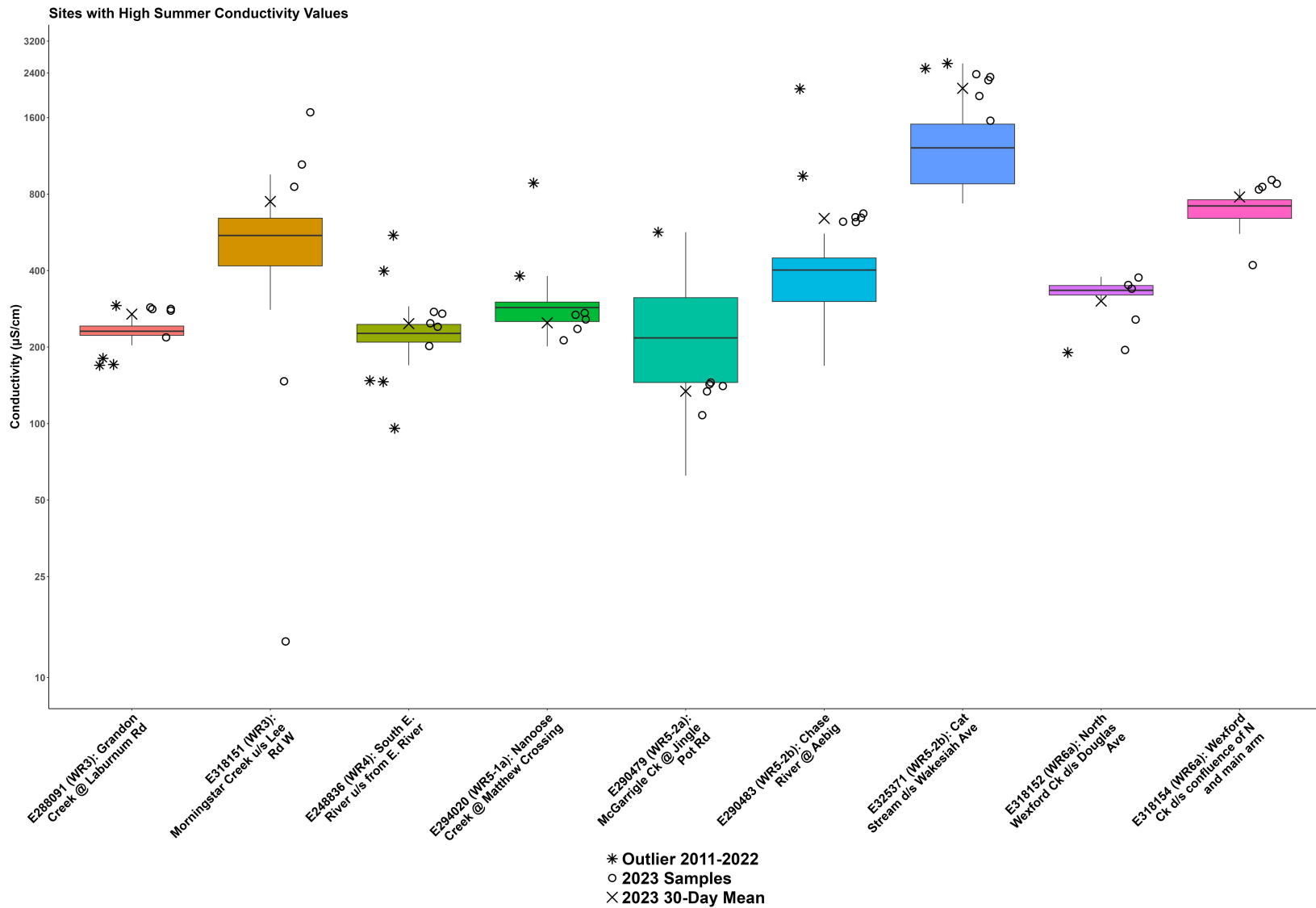


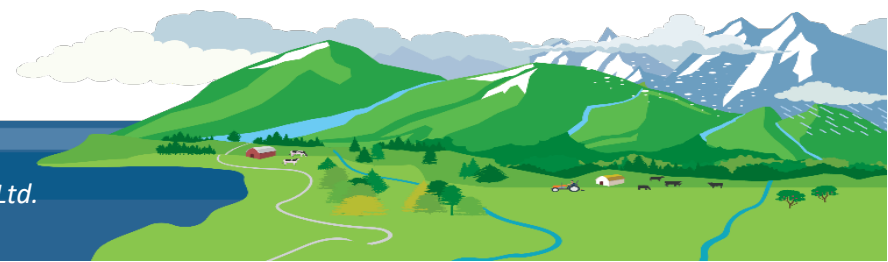
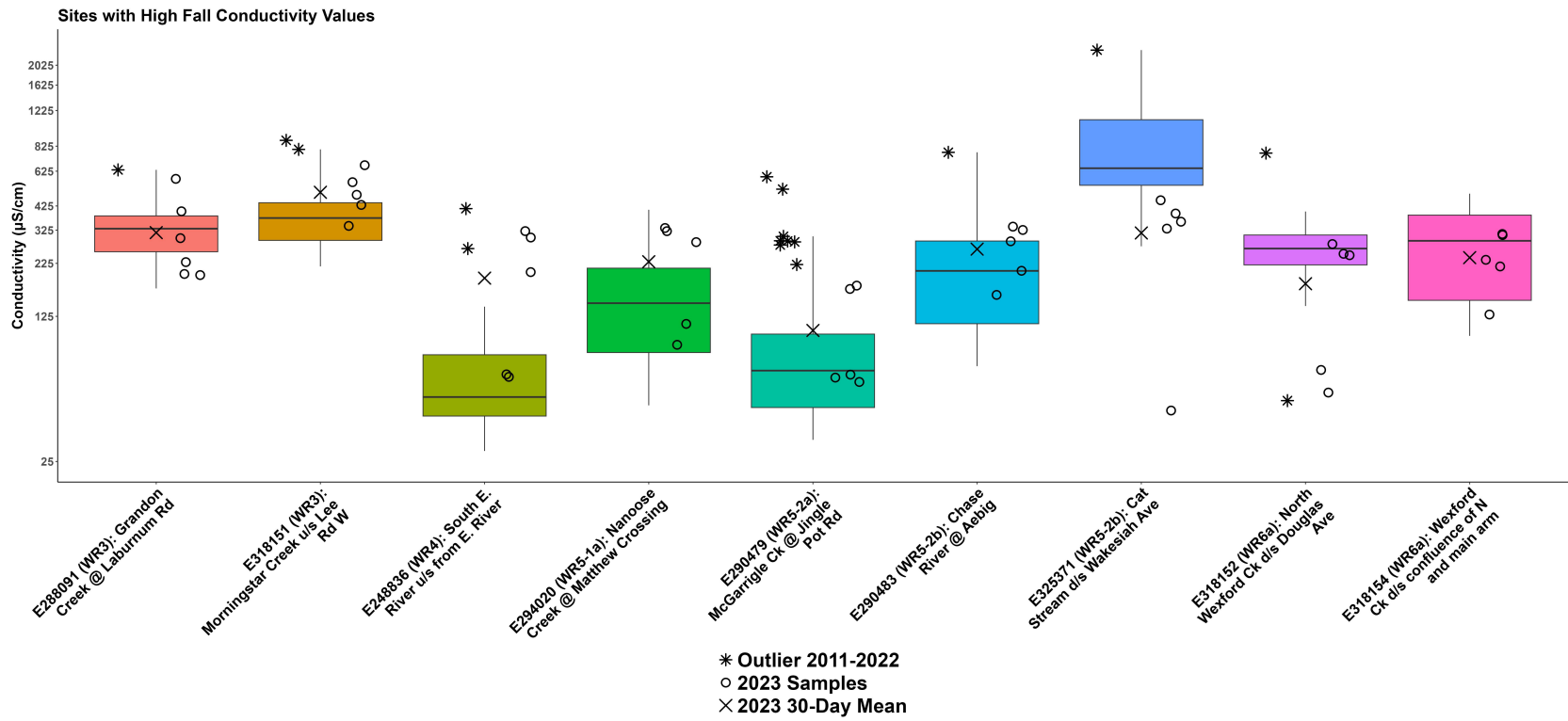
WR5-2b: South Wellington to Nanoose Fall Conductivity



* Outlier 2012-2022
 ○ 2023 Samples
 × 2023 30-Day Mean









**Island Waters Fly Fishers
2023 Monitoring Sites**

REGIONAL DISTRICT OF NANAIMO

Status	Community Park
Active	Regional Park
Not Active	
Watercourse (approximate location)	2022 Air Photo

0 250 500 1,000
Meters

July 2023

N

E306255

Knarston Creek

E304071

Brannen Lake

E290477

Benson Creek

E290478

Millstone River

E321394

McClure Creek

E306294

E309187

McClure Creek

E290479

E306254

Kilpatrick Rd

E290480

Millstone River

E290481

Northfield Creek

Cottle Creek

Cottle Lake

Long Lake

TBD

Jenkins Rd

Aulds Rd

Clark Dr

Elm Rd

Owen Rd

Ware Rd

Lantzville Rd

Caillet Rd

Groveland Dr

Dickinson Rd

Schook Rd

ICarus Dr

Dover Rd

McRobb Ave

McGarr Rd

Brickyard Rd

Sunset Rd

Broadway Rd

Hammond Bay Rd

Hammond Bay Rd

Hammond Bay Rd

Hammond Bay Rd

Hammond Bay Rd

Hammond Bay Rd

Hammond Bay Rd

Hammond Bay Rd

Hammond Bay Rd

Hammond Bay Rd

Hammond Bay Rd

Hammond Bay Rd

Hammond Bay Rd



**Cat Stream Stewardship Group
2023 Monitoring Sites**

REGIONAL DISTRICT OF NANAIMO

Status

- ◆ Active
- ◆ Not Active
- Watercourse (approximate location)

2022 Air Photo

0 100 200 400 Meters

July 2023



**Nanaimo & Area Land Trust
2023 Monitoring Sites**

REGIONAL DISTRICT OF NANAIMO

Status	Community Park
Active	Regional Park
Not Active	Provincial Park
Watercourse (approximate location)	2022 Air Photo

0 300 600 1,200 Meters

July 2023

N