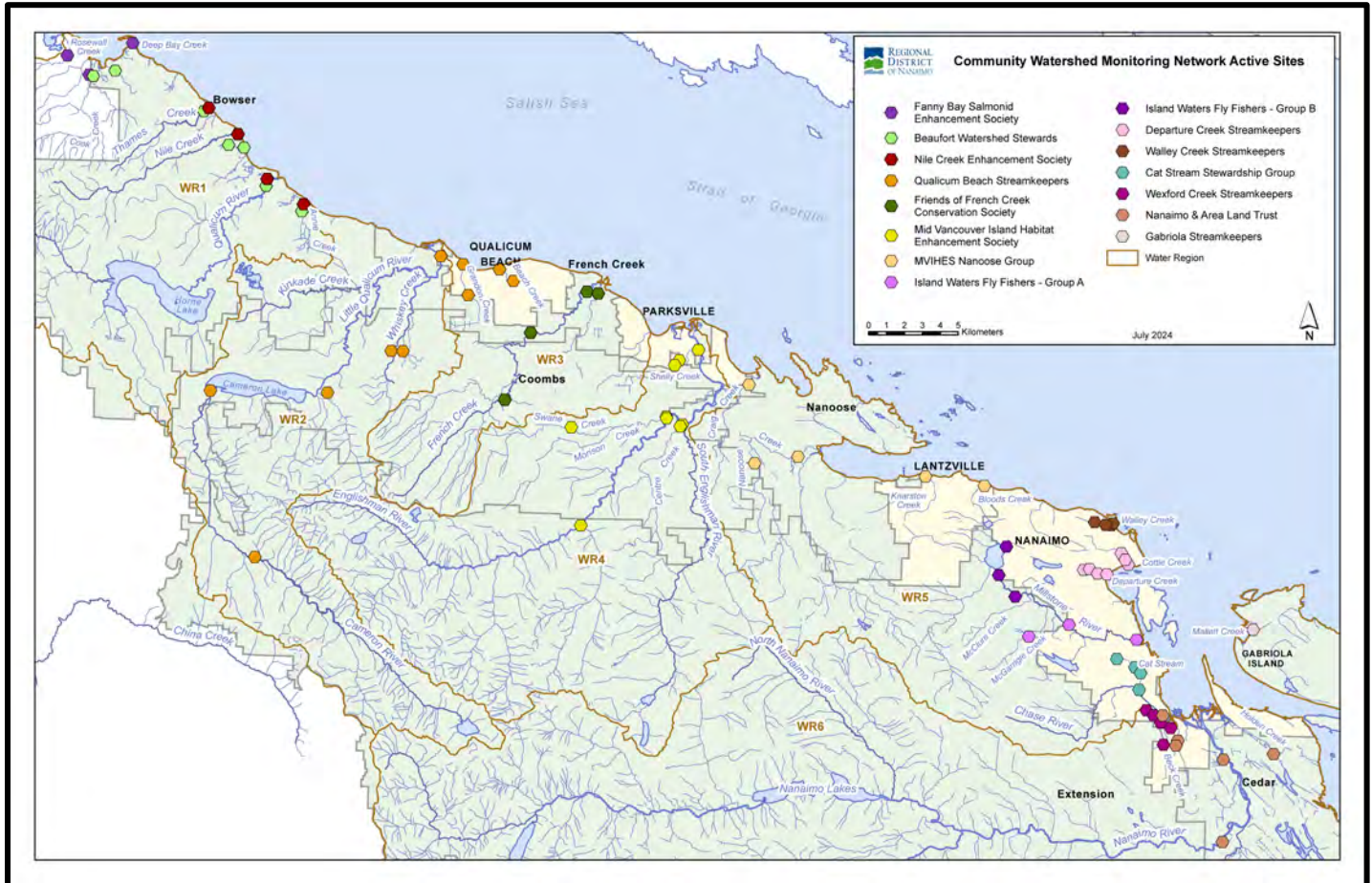


Community Watershed Monitoring Network 2024 Results by Water Region



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 – 2024 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



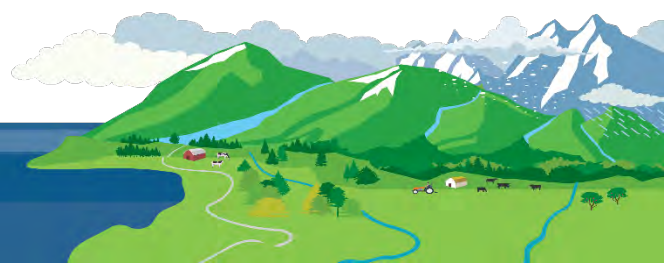
Water Region 5-2
sampled by:
Island Waters Fly Fishers (IWFF)
&
Cat Stream Stewards (CSS)
&
Nanaimo and Area Land Trust (NALT)



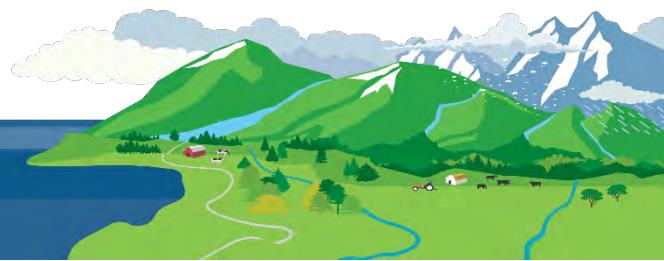
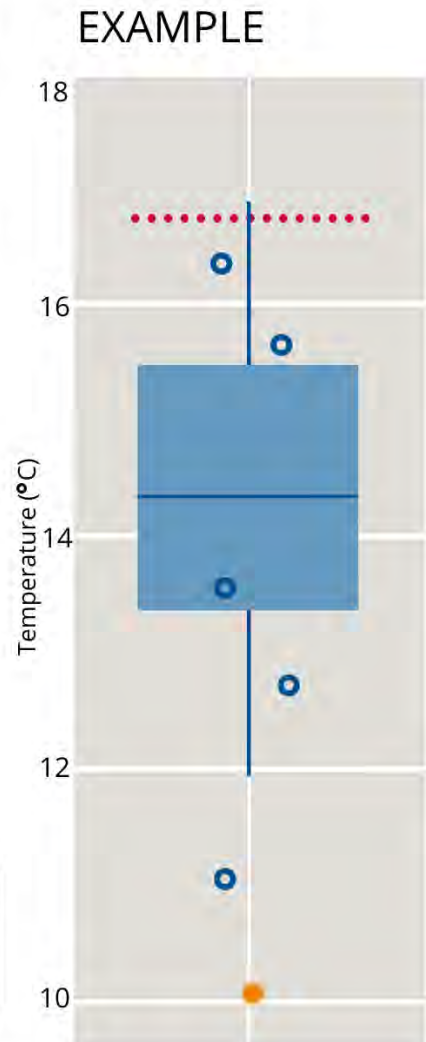
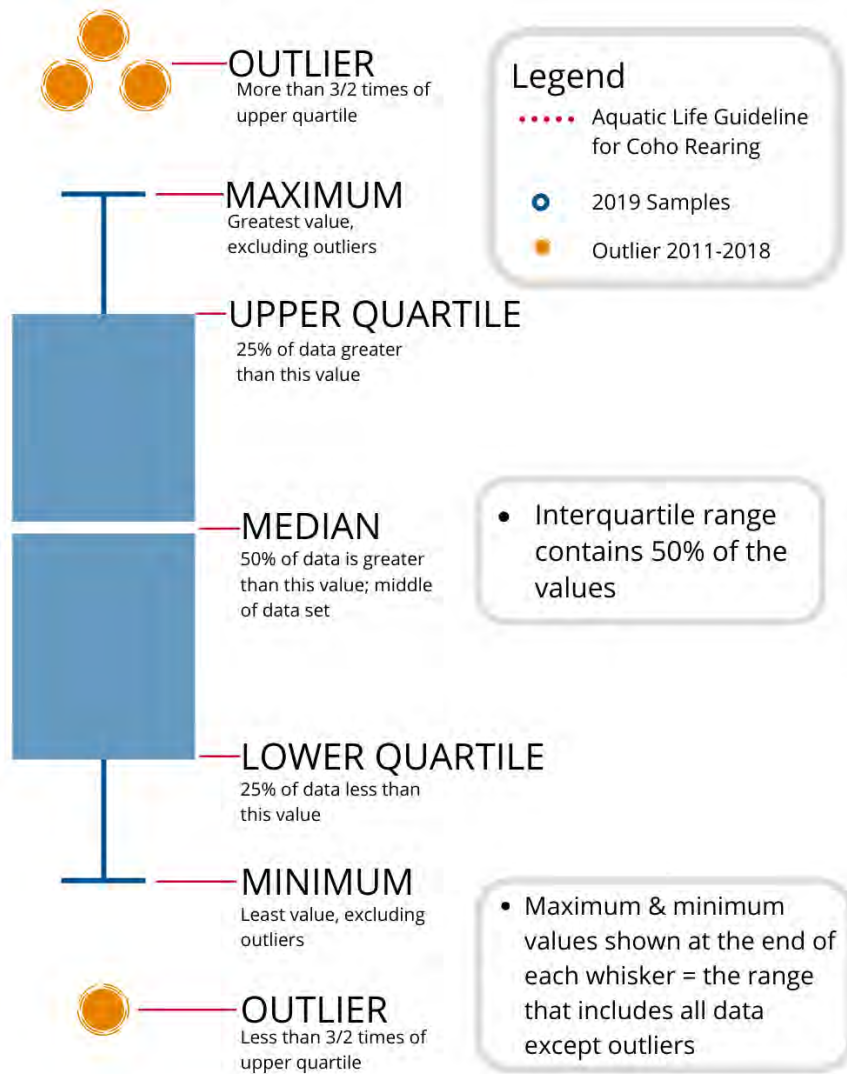
WR5-2 CWMN Sample Sites:

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.

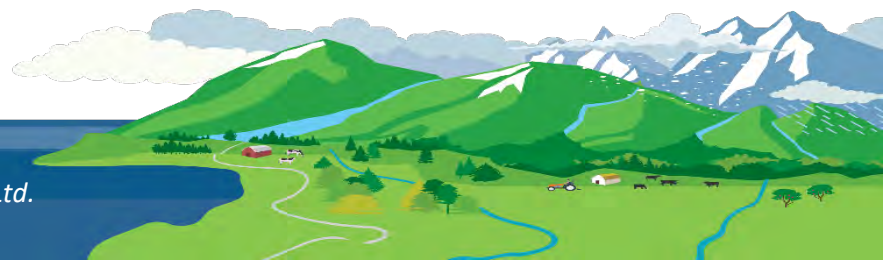
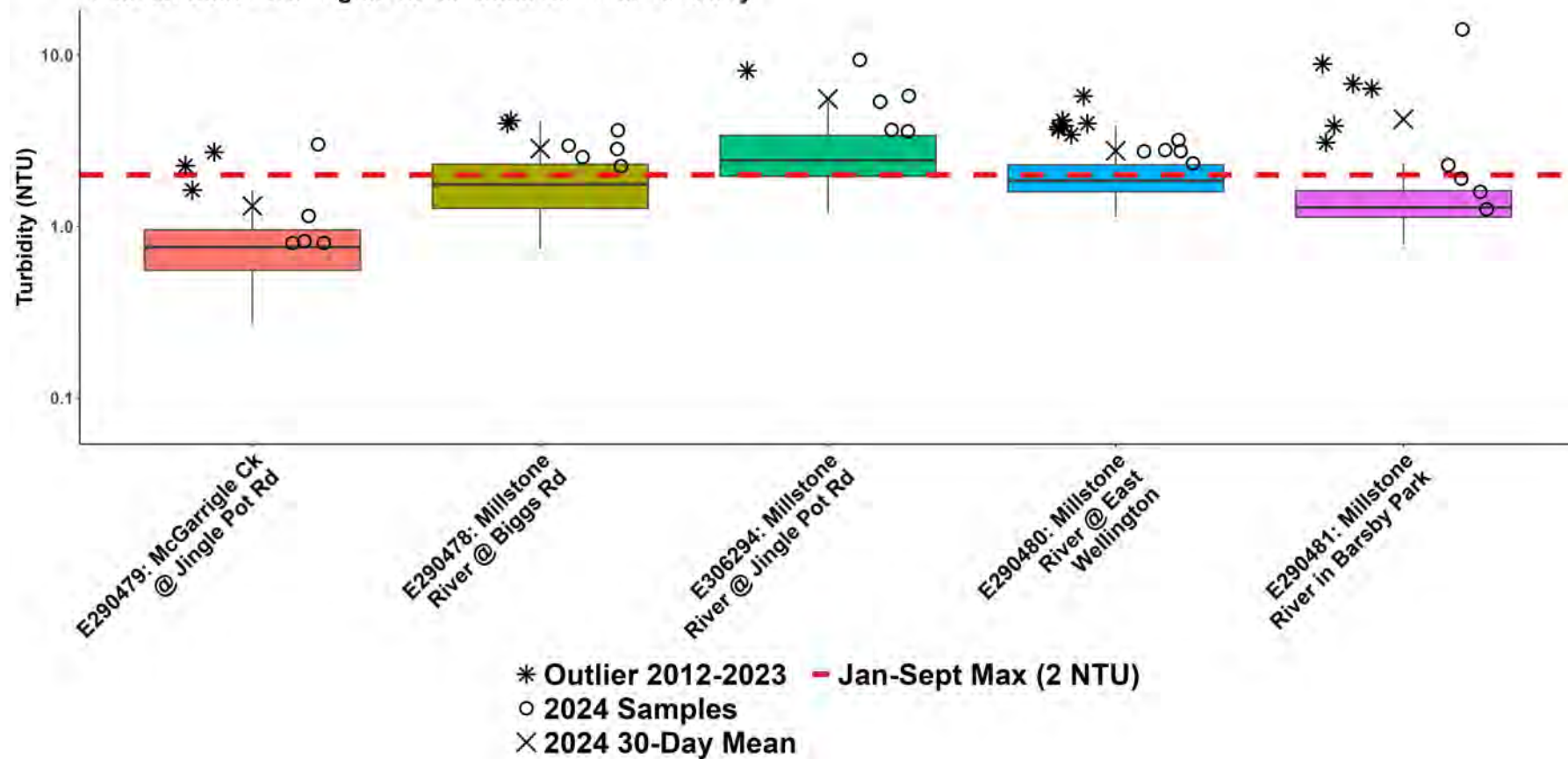
Group	EMS ID	Geographic Description	Years Sampled	Years Monitored
IWFF	E290478	Millstone River @ Biggs Road	13	2012 – present
IWFF	E334384	Upper Millstone River <u>upstream</u> Garside Rd	2	2023 – present
IWFF	E306294	Millstone River @ Jingle Pot Road	9	2016 – present
IWFF	E290479	McGarrigle Ck @ Jingle Pot Rd	13	2012 – present
IWFF	TBD	McGarrigle Ck @ Newfield bridge	0	2025 – present
IWFF	E290481	Millstone River in Barsby Park	13	2012 – present
CSS	E325371	Cat Stream d/s Wakesiah Ave	4	2021 – present
CSS	E325372	Cat Stream 10m u/s Pine St	4	2021 – present
CSS	E325373	Cat Stream at end of Albion St	4	2021 – present
CSS	E290486	Cat Stream @ Park above confluence with Chase River	13	2012 – present
NALT	E290483	Chase River @ Aebig	13	2012 – present



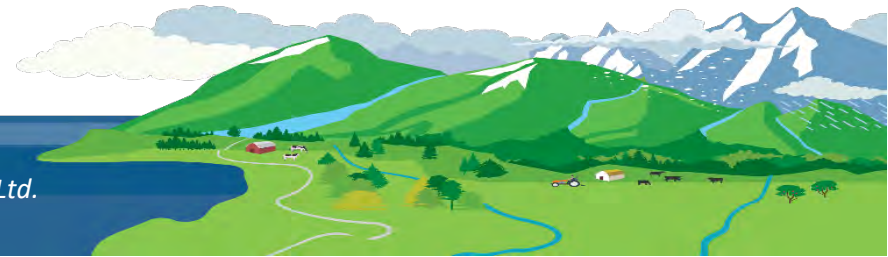
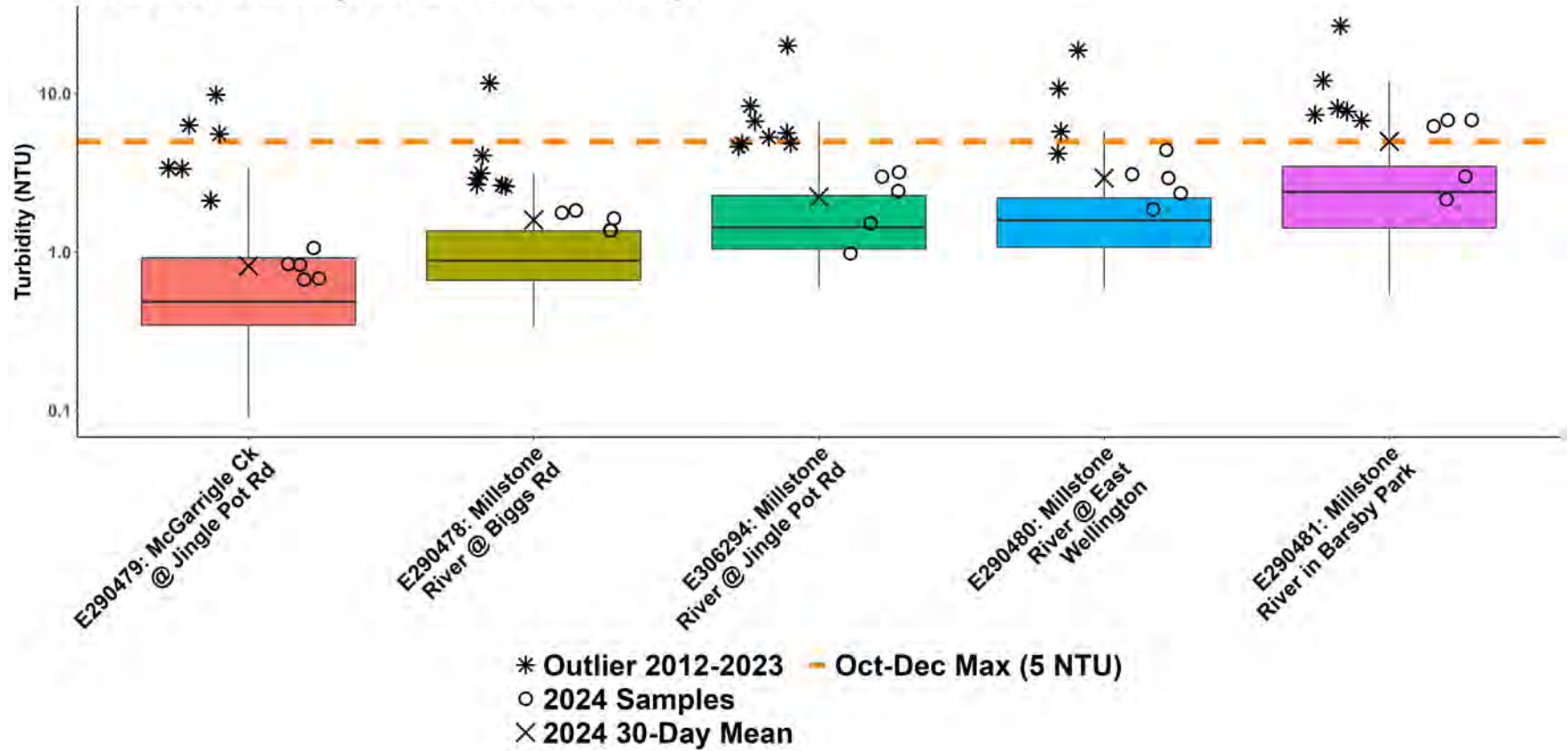
How to Interpret a Box Plot:



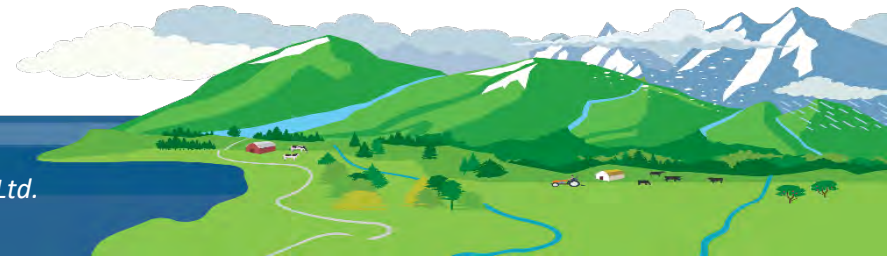
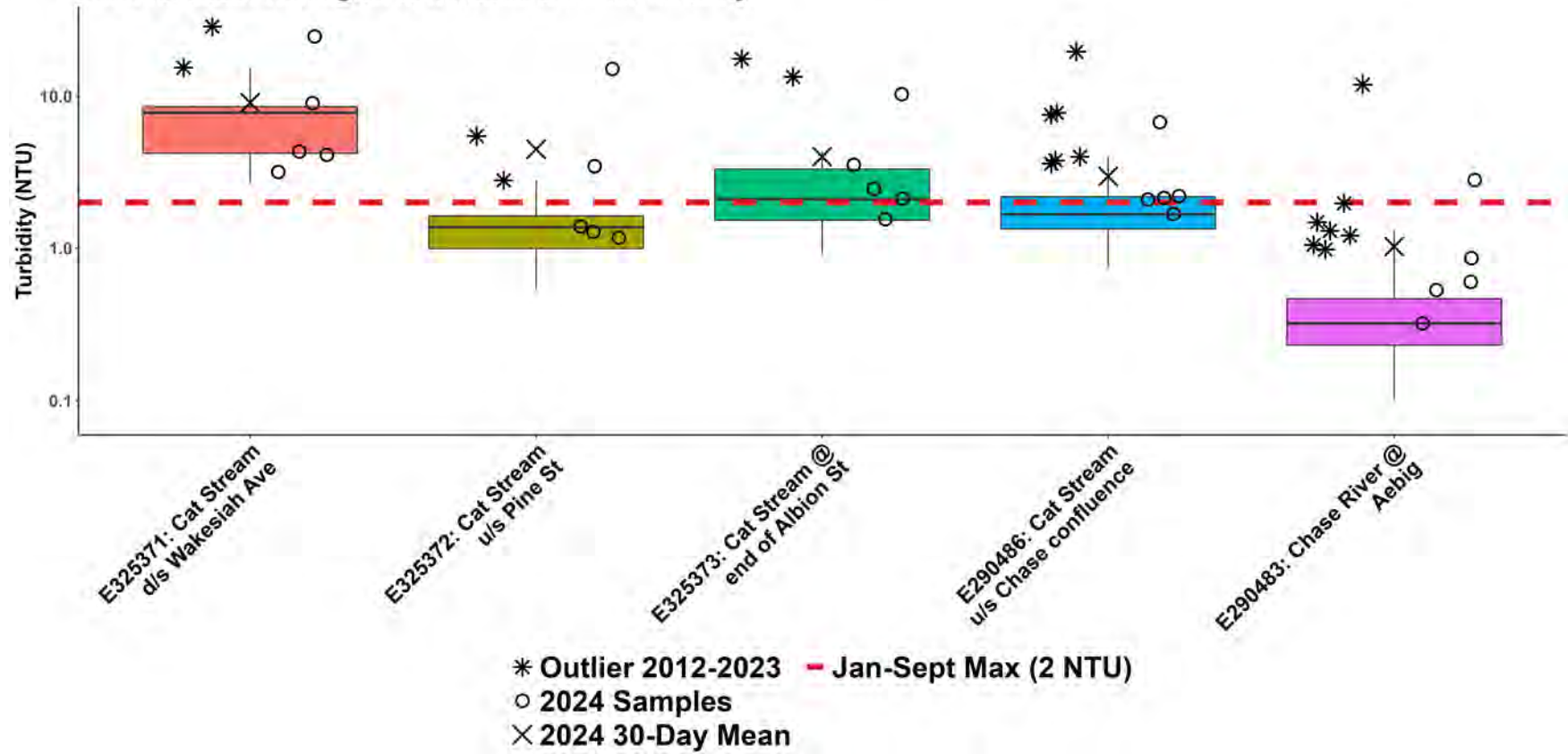
WR5-2a: South Wellington to Nanoose Summer Turbidity



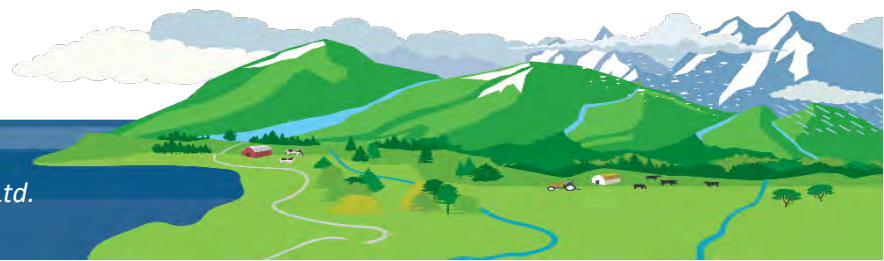
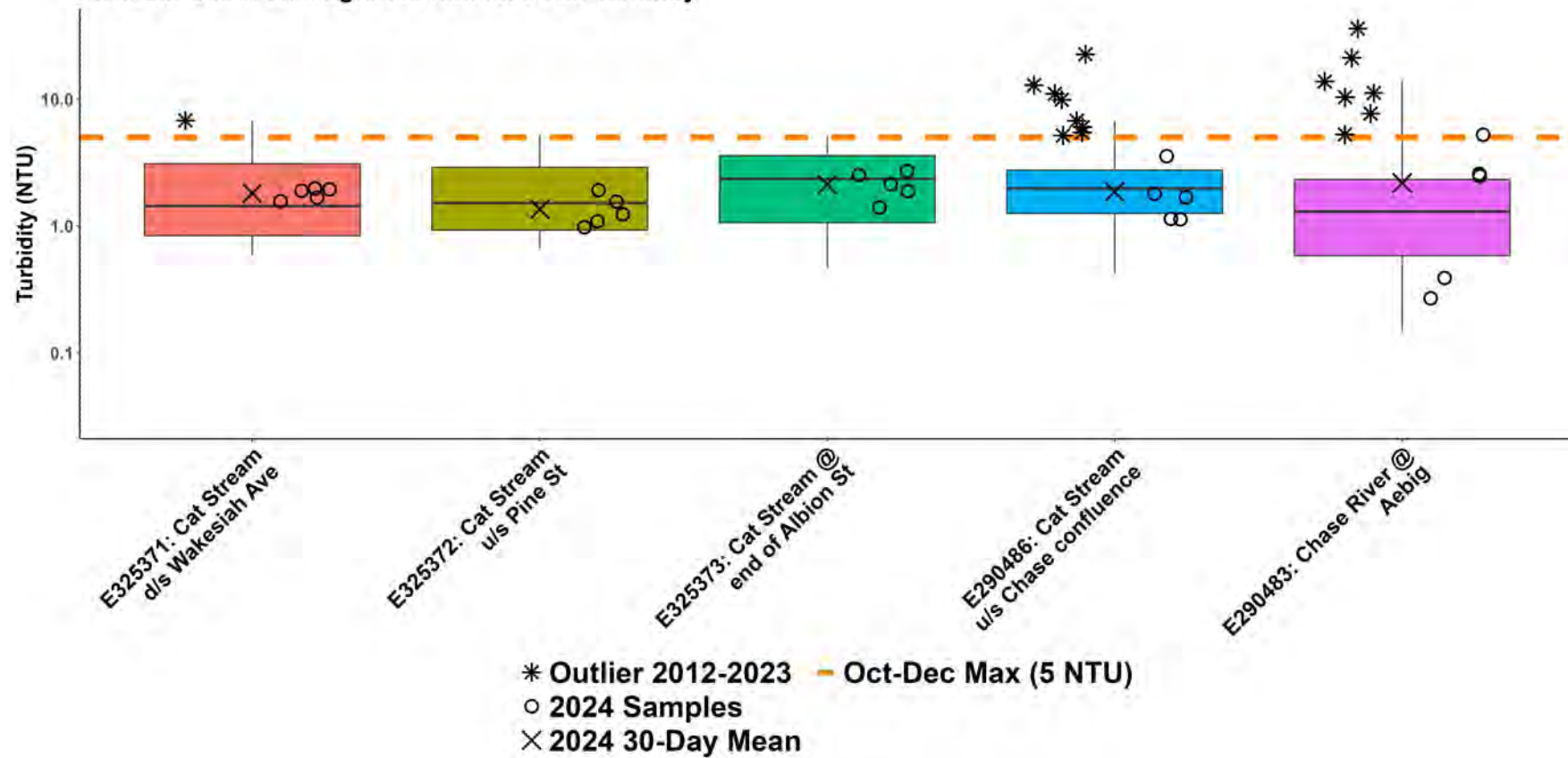
WR5-2a: South Wellington to Nanoose Fall Turbidity



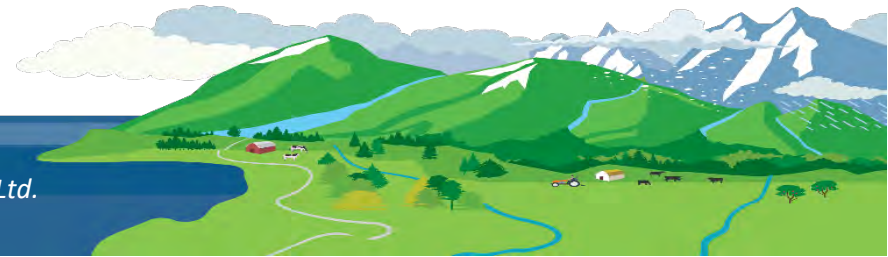
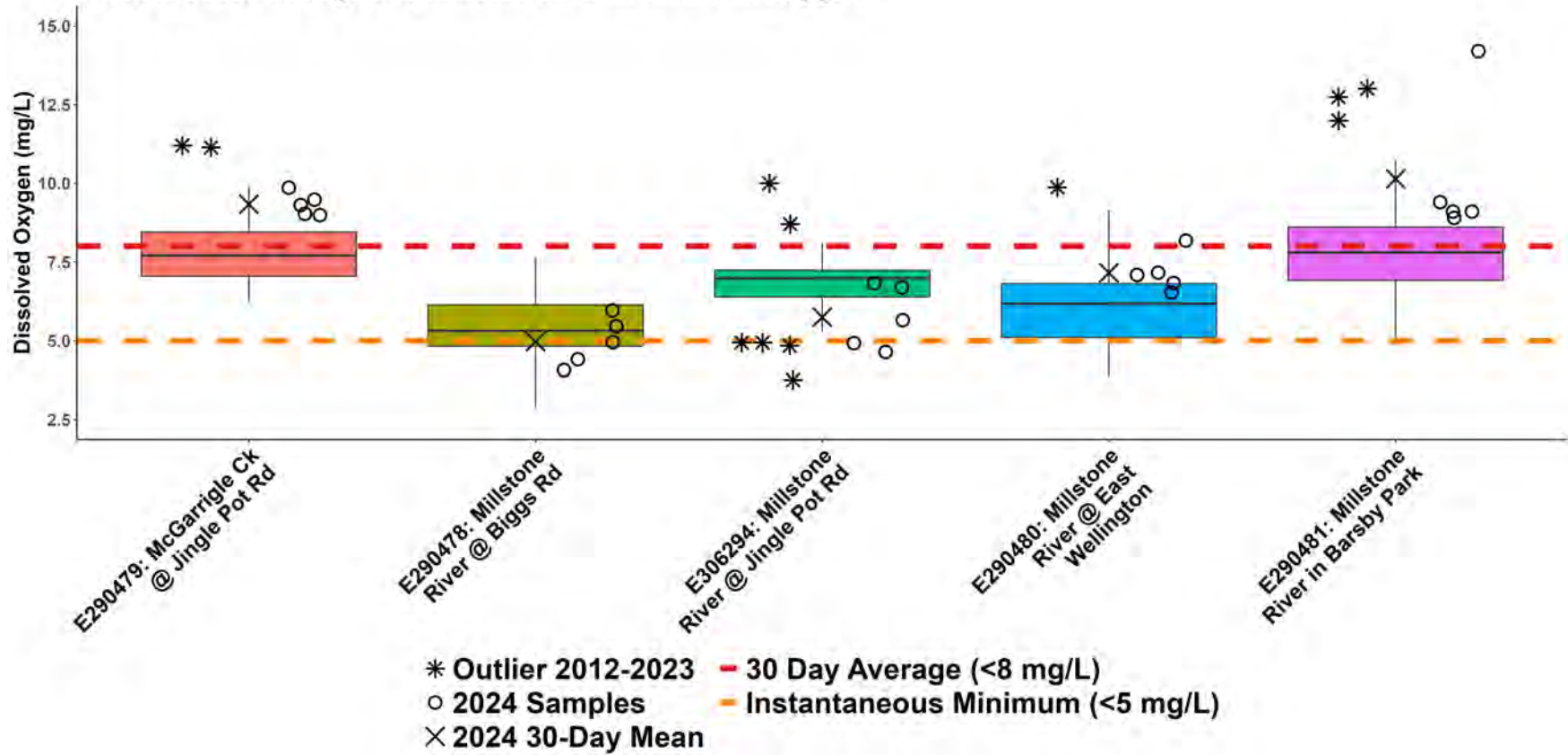
WR5-2b: South Wellington to Nanoose Summer Turbidity



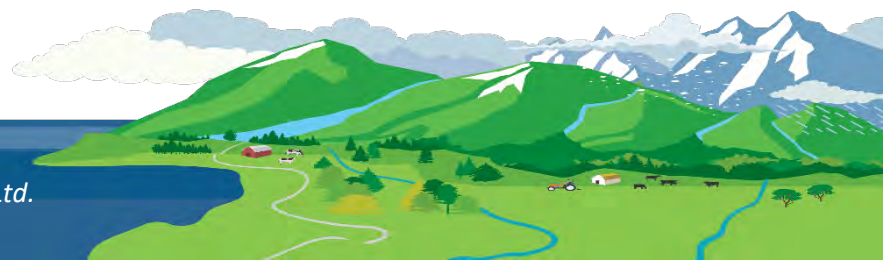
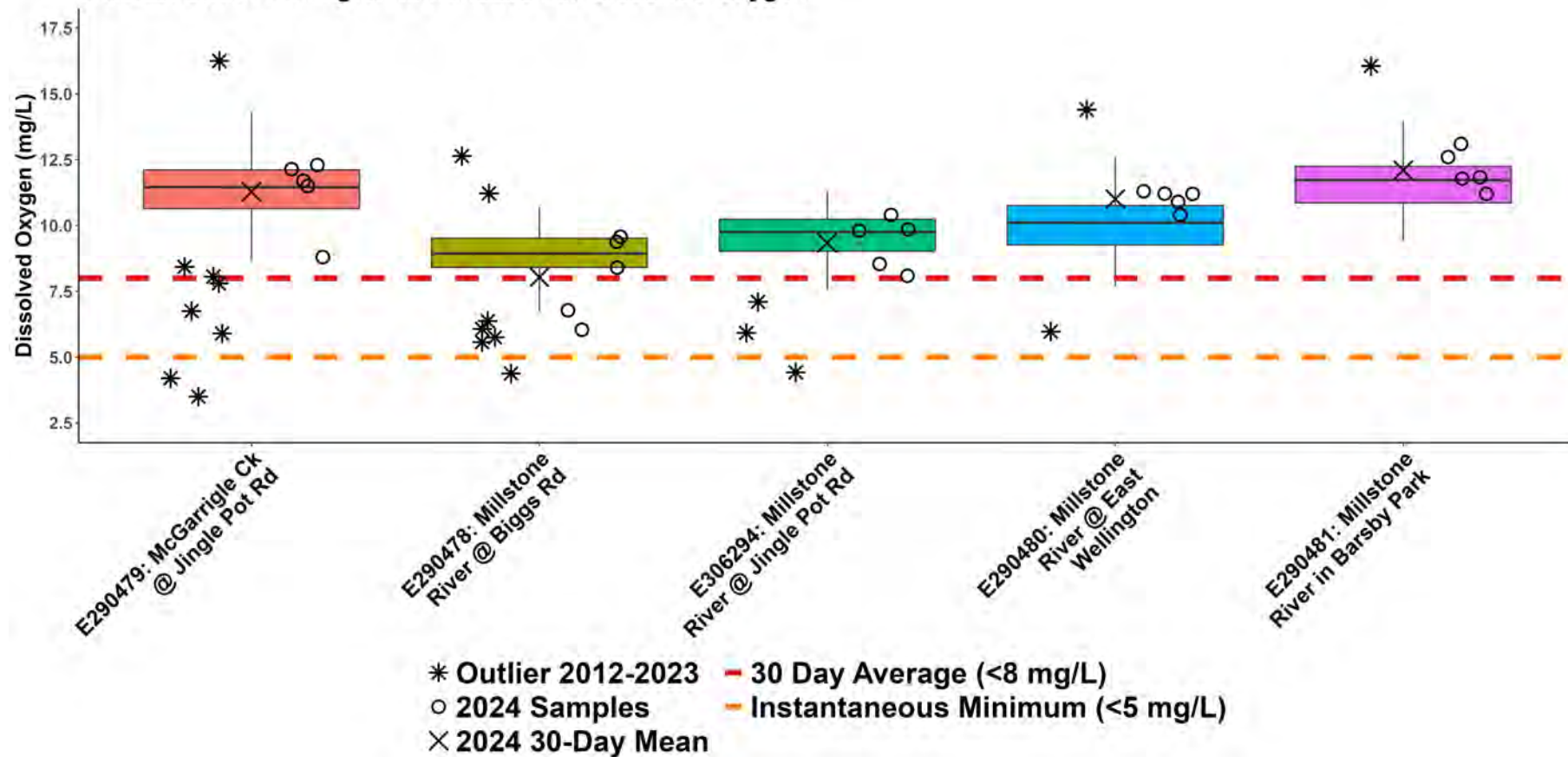
WR5-2b: South Wellington to Nanoose Fall Turbidity



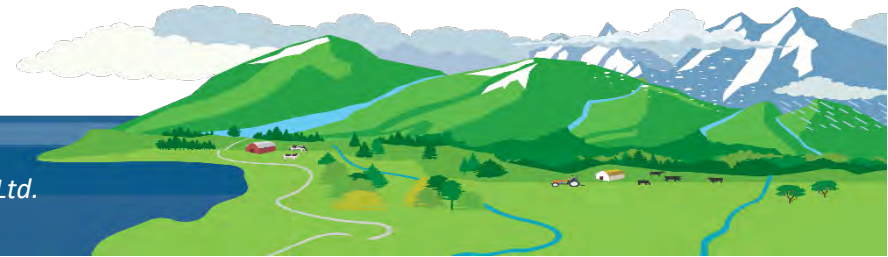
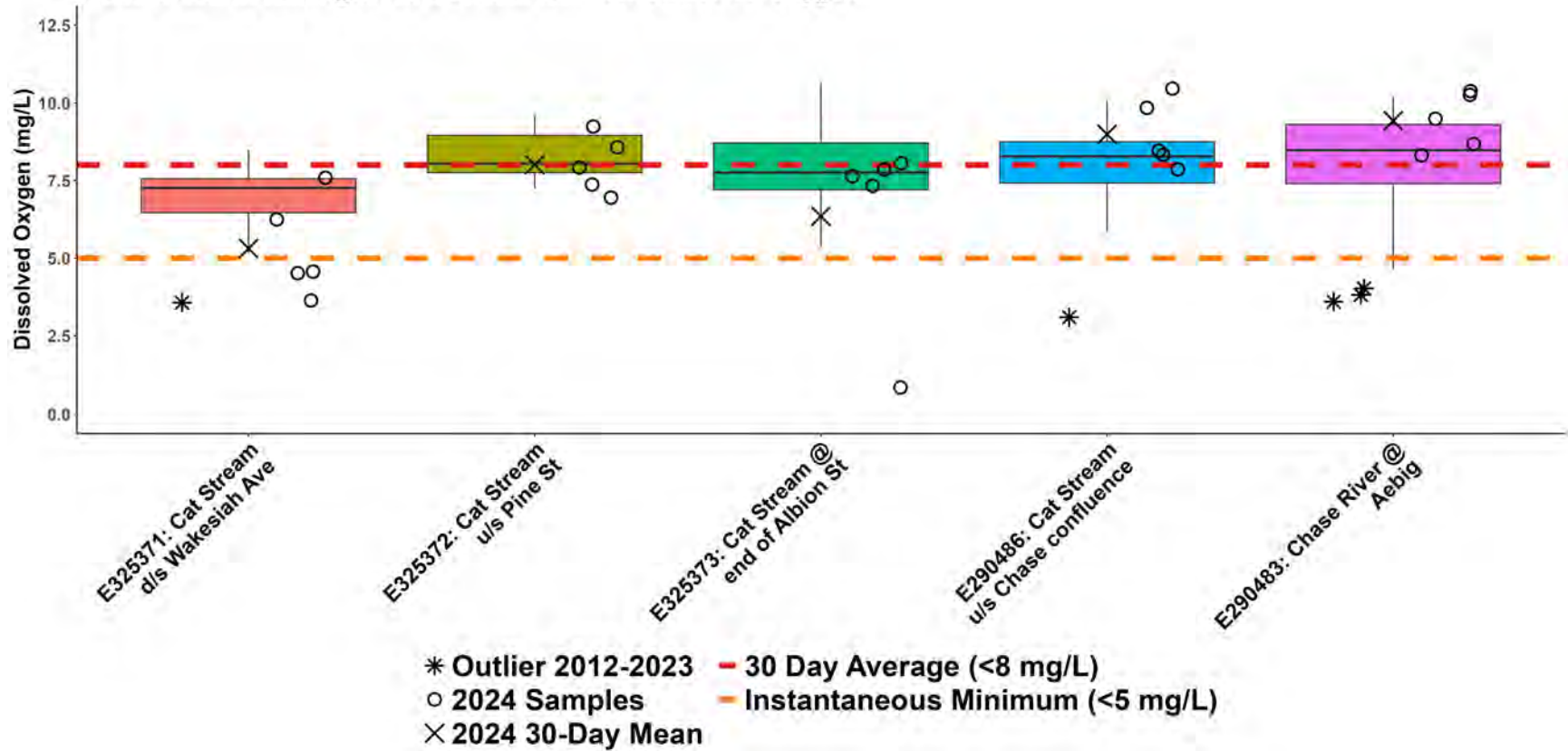
WR5-2a: South Wellington to Nanoose Summer Dissolved Oxygen



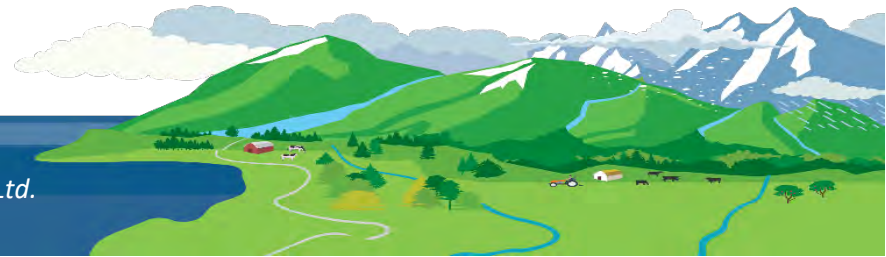
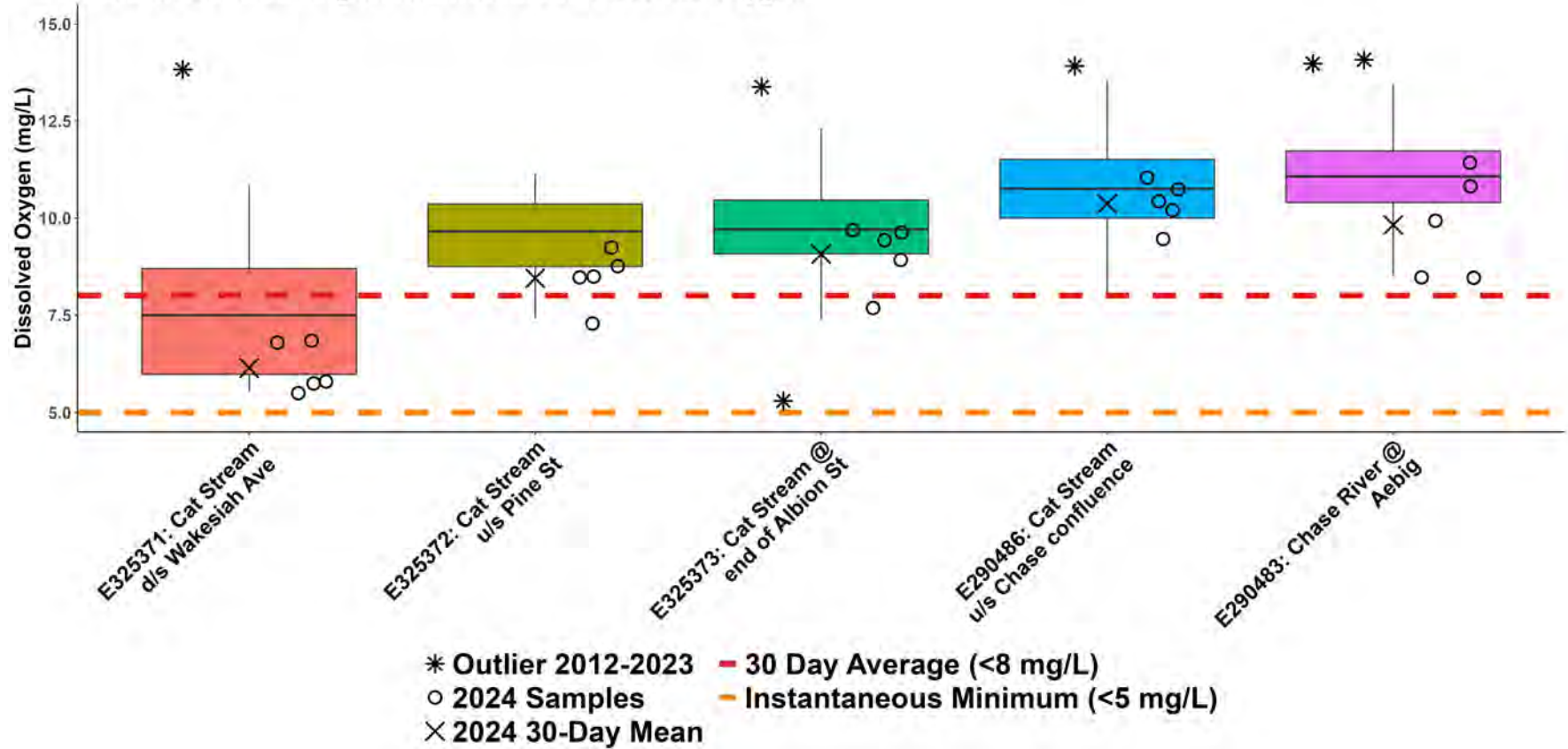
WR5-2a: South Wellington to Nanoose Fall Dissolved Oxygen



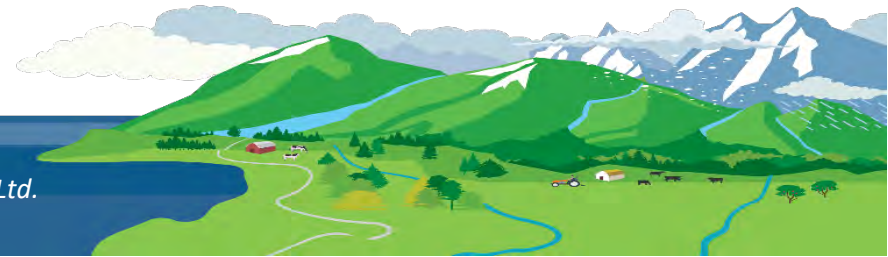
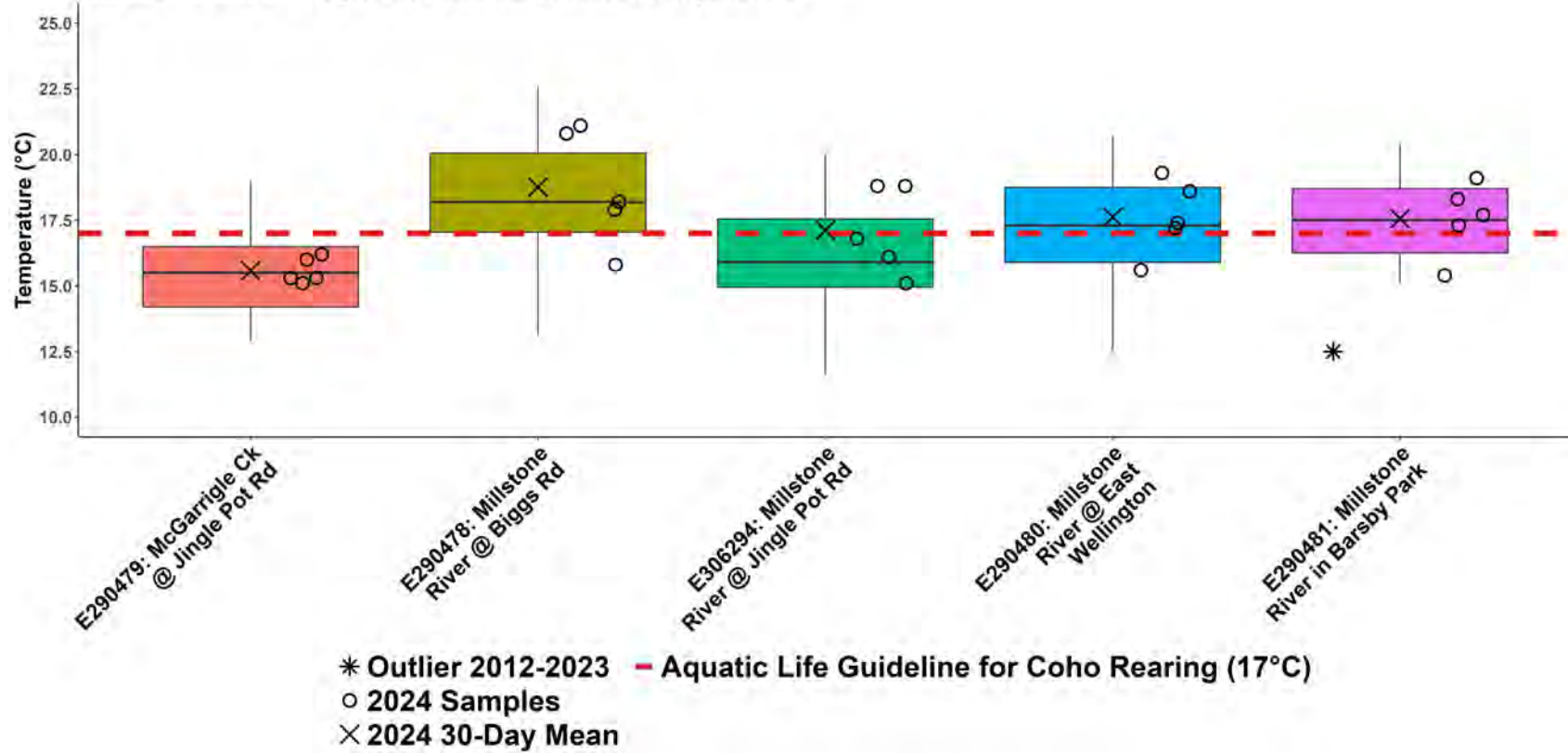
WR5-2b: South Wellington to Nanoose Summer Dissolved Oxygen



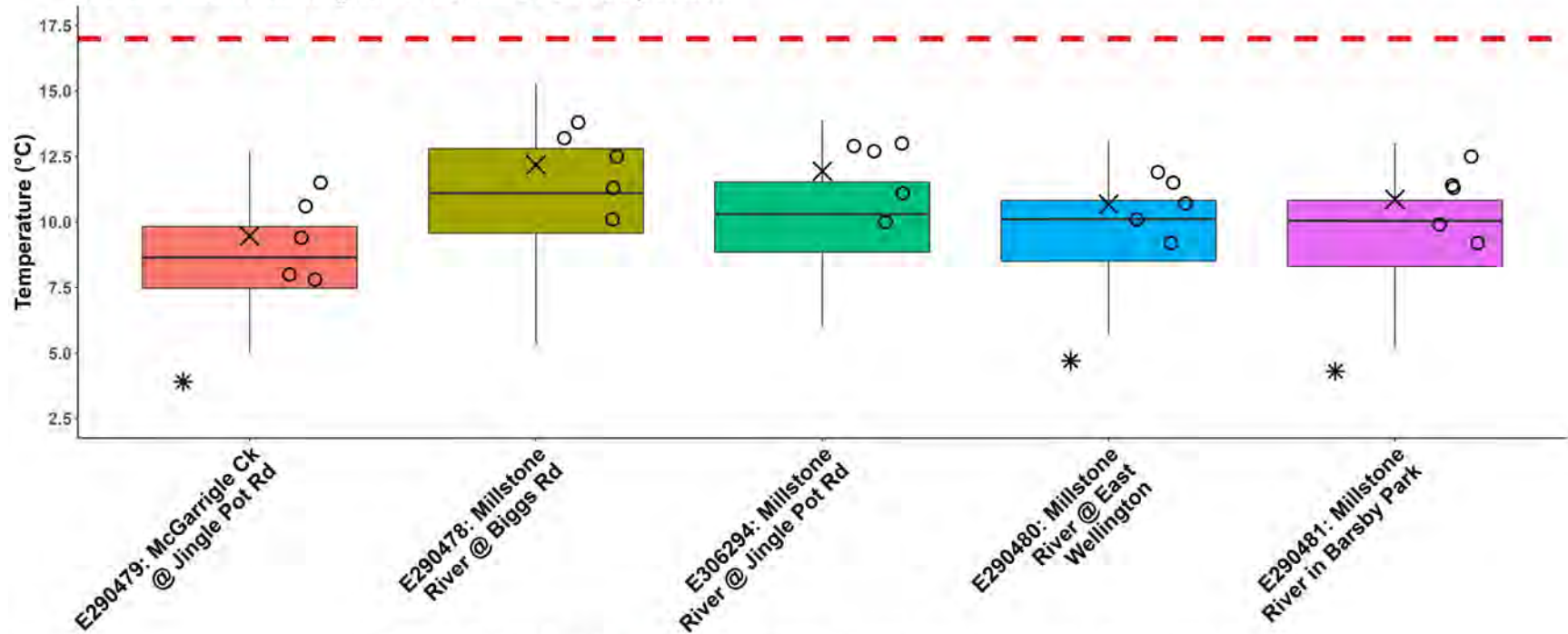
WR5-2b: South Wellington to Nanoose Fall Dissolved Oxygen



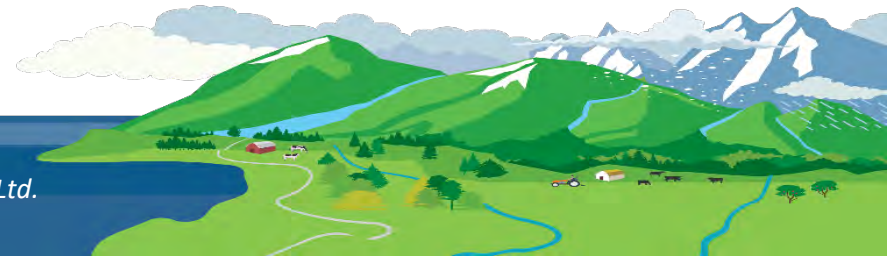
WR5-2a: South Wellington to Nanoose Summer Temperature



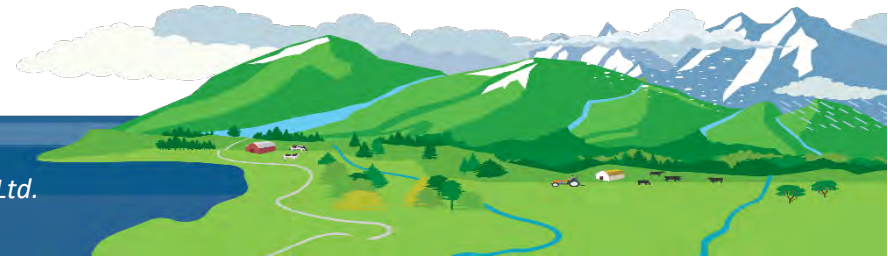
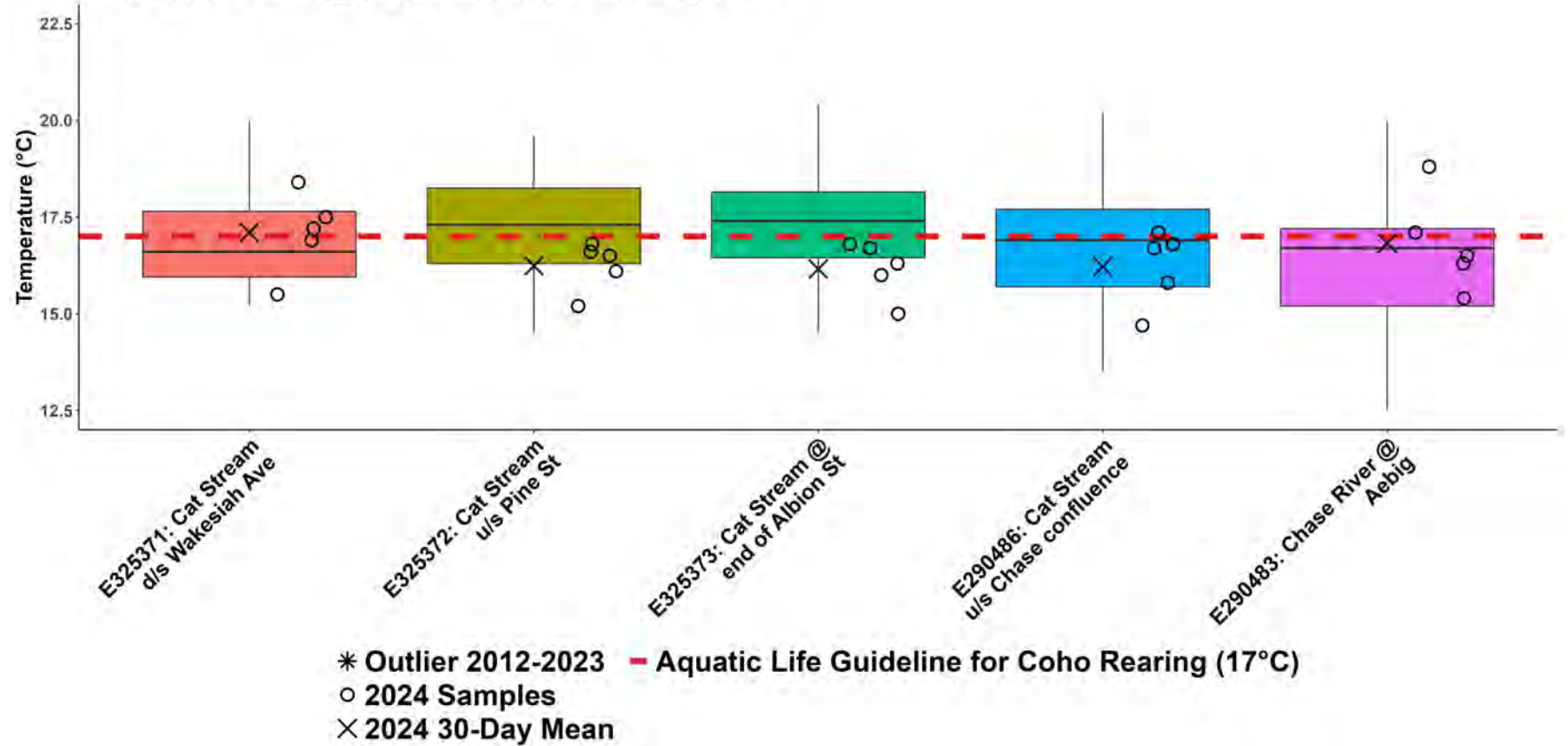
WR5-2a: South Wellington to Nanoose Fall Temperature



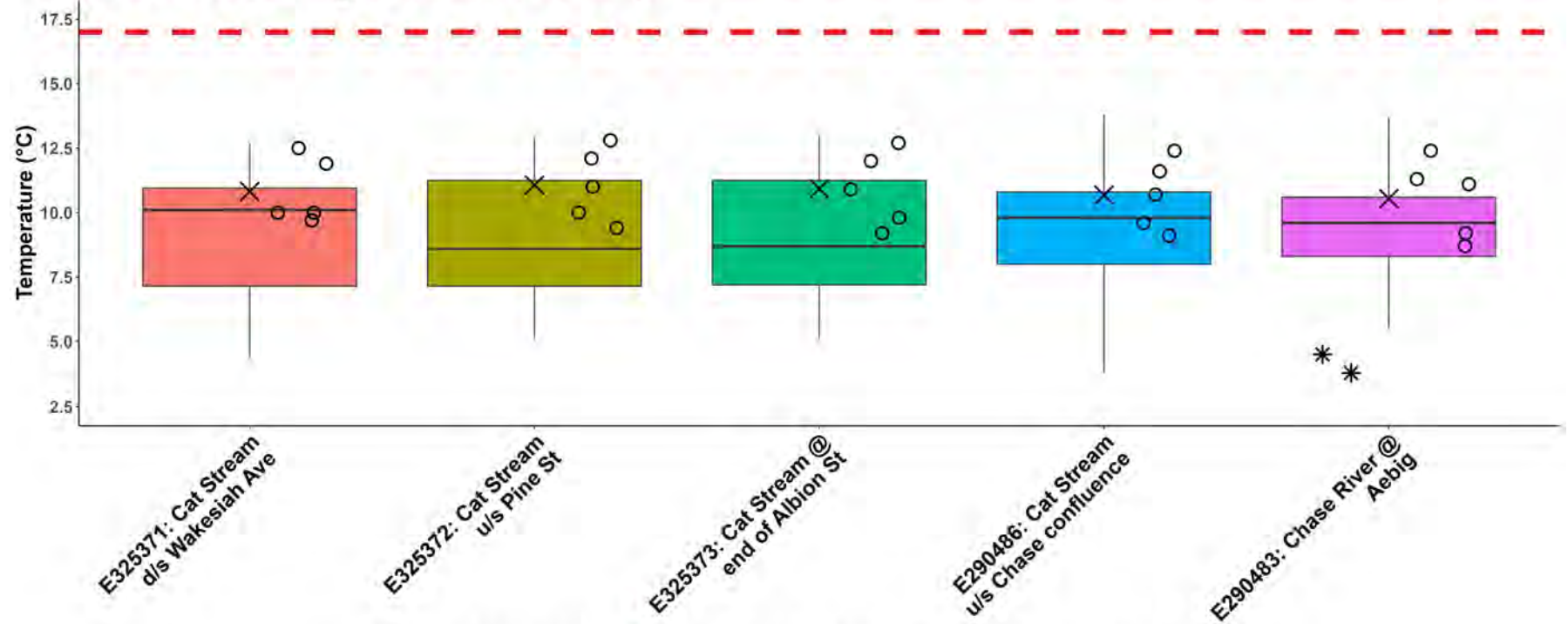
* Outlier 2012-2023 - Aquatic Life Guideline for Coho Rearing (17°C)
 ○ 2024 Samples
 X 2024 30-Day Mean



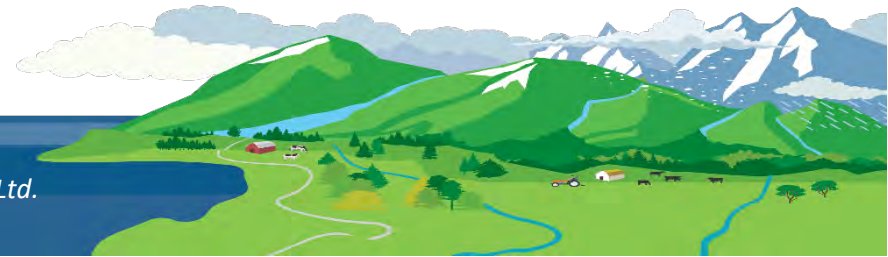
WR5-2b: South Wellington to Nanoose Summer Temperature



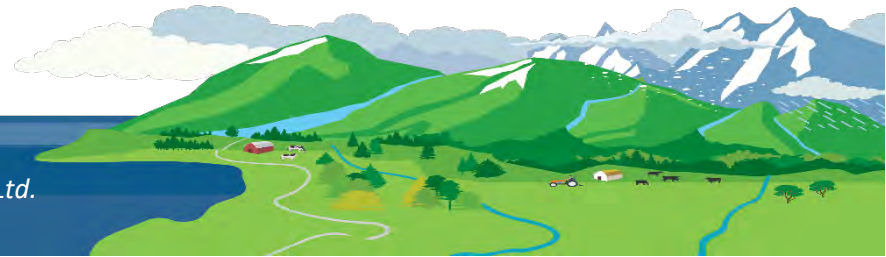
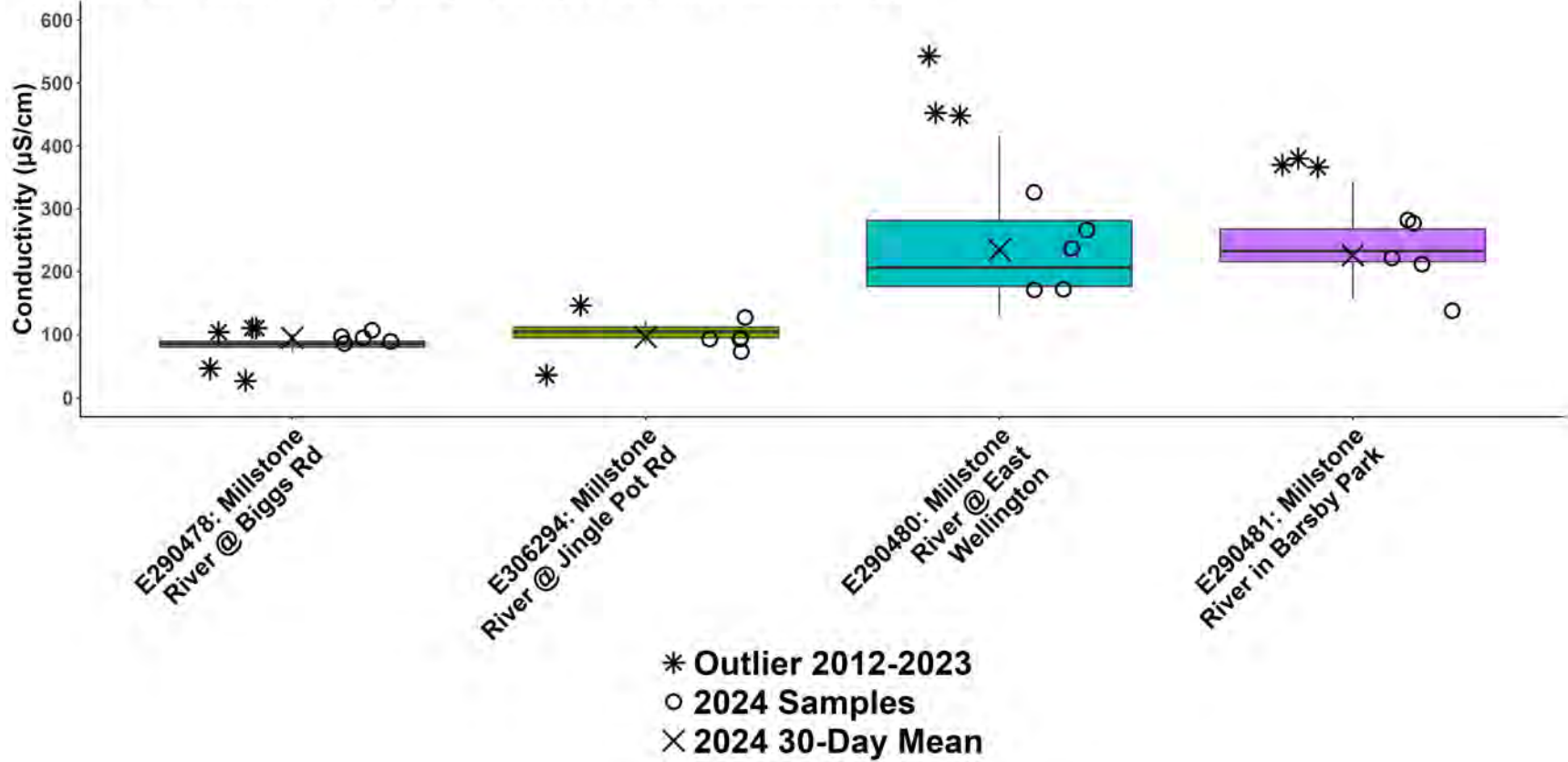
WR5-2b: South Wellington to Nanoose Fall Temperature



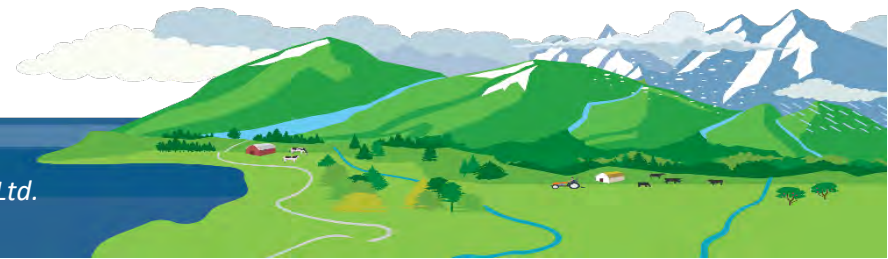
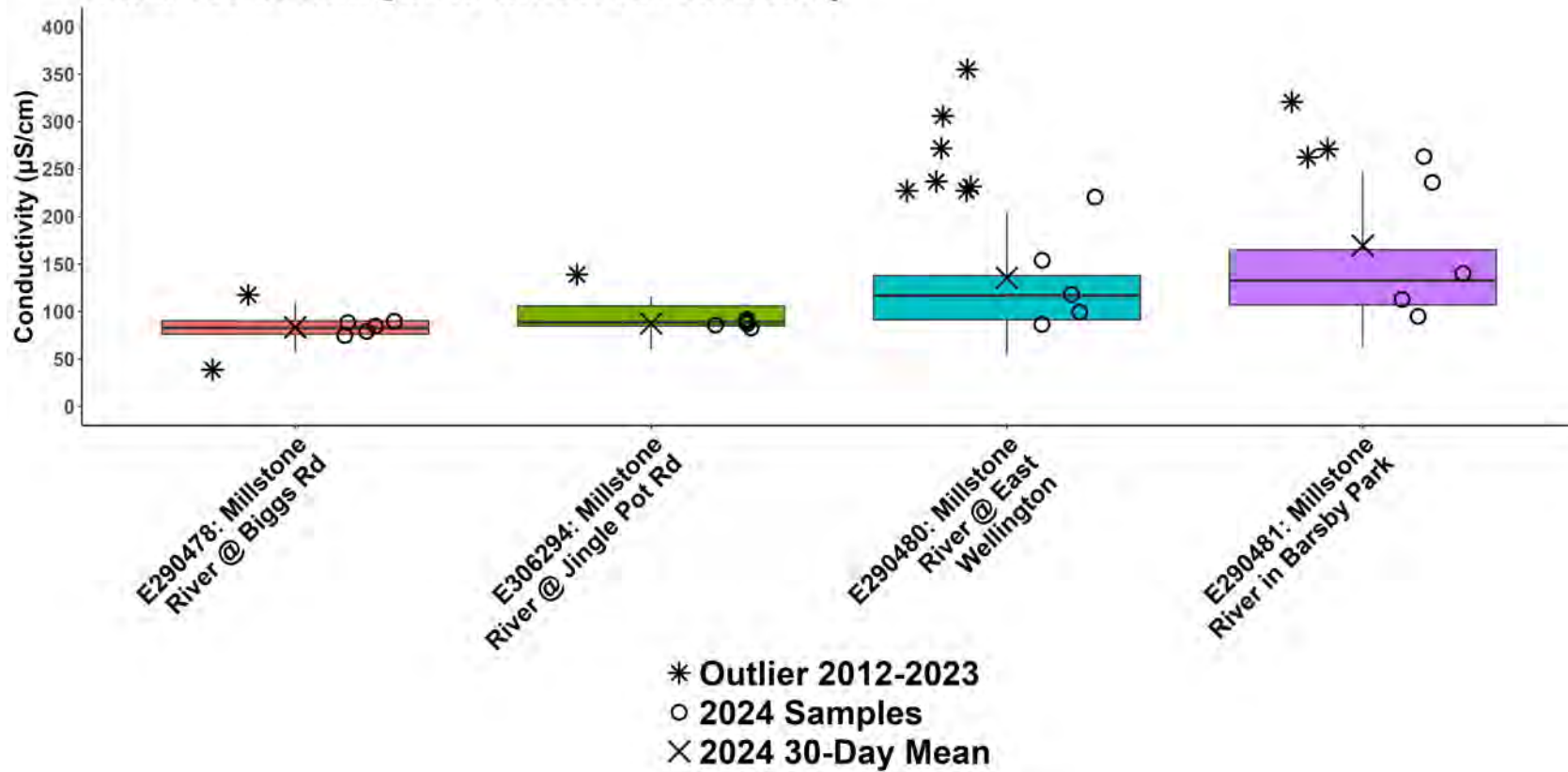
* Outlier 2012-2023 — Aquatic Life Guideline for Coho Rearing (17°C)
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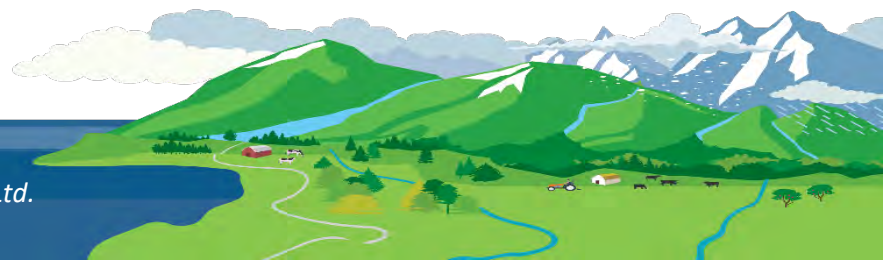
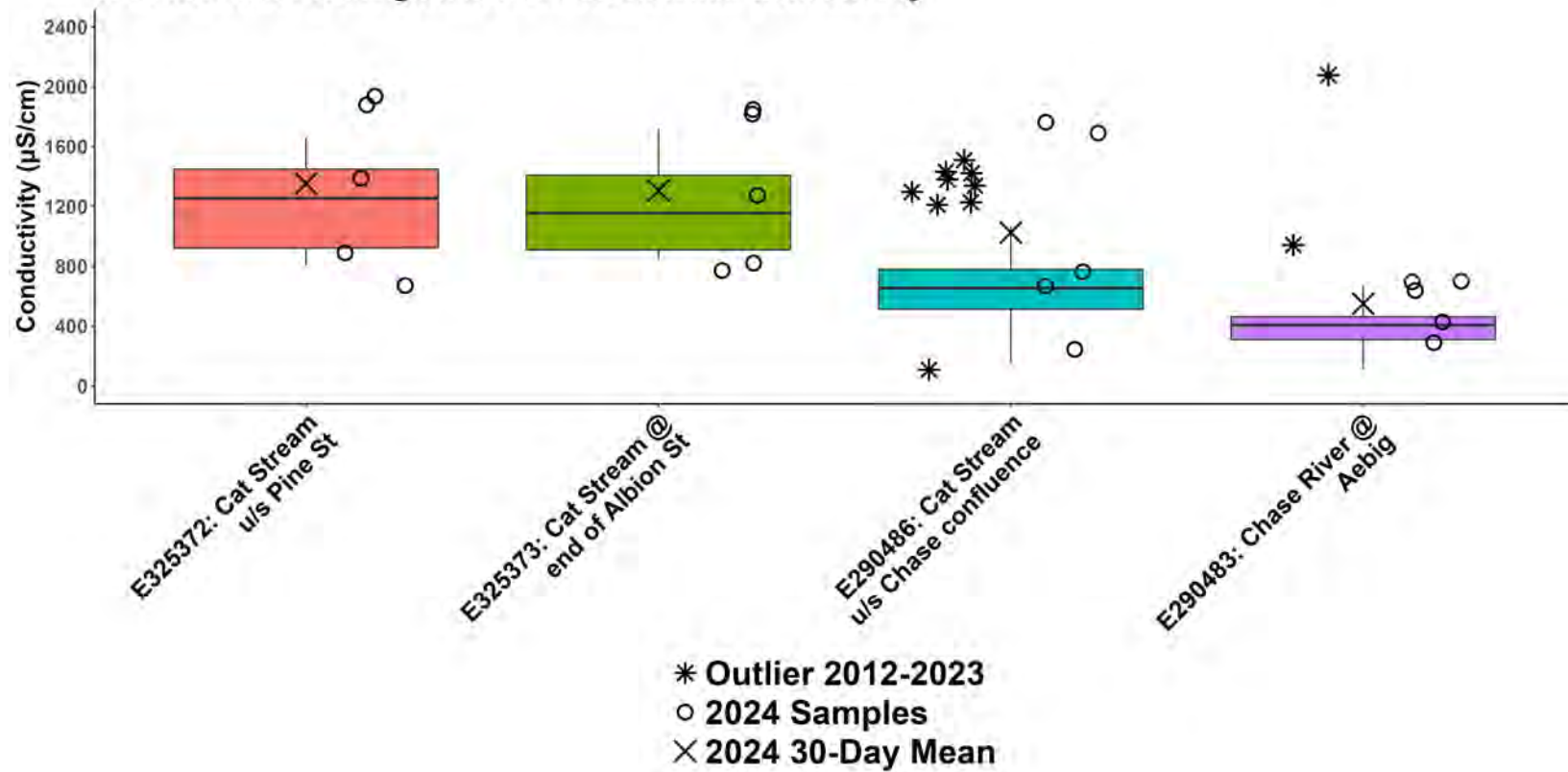
WR5-2a: South Wellington to Nanoose Summer Conductivity



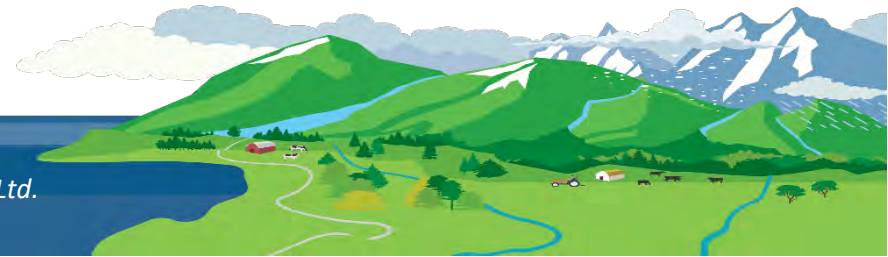
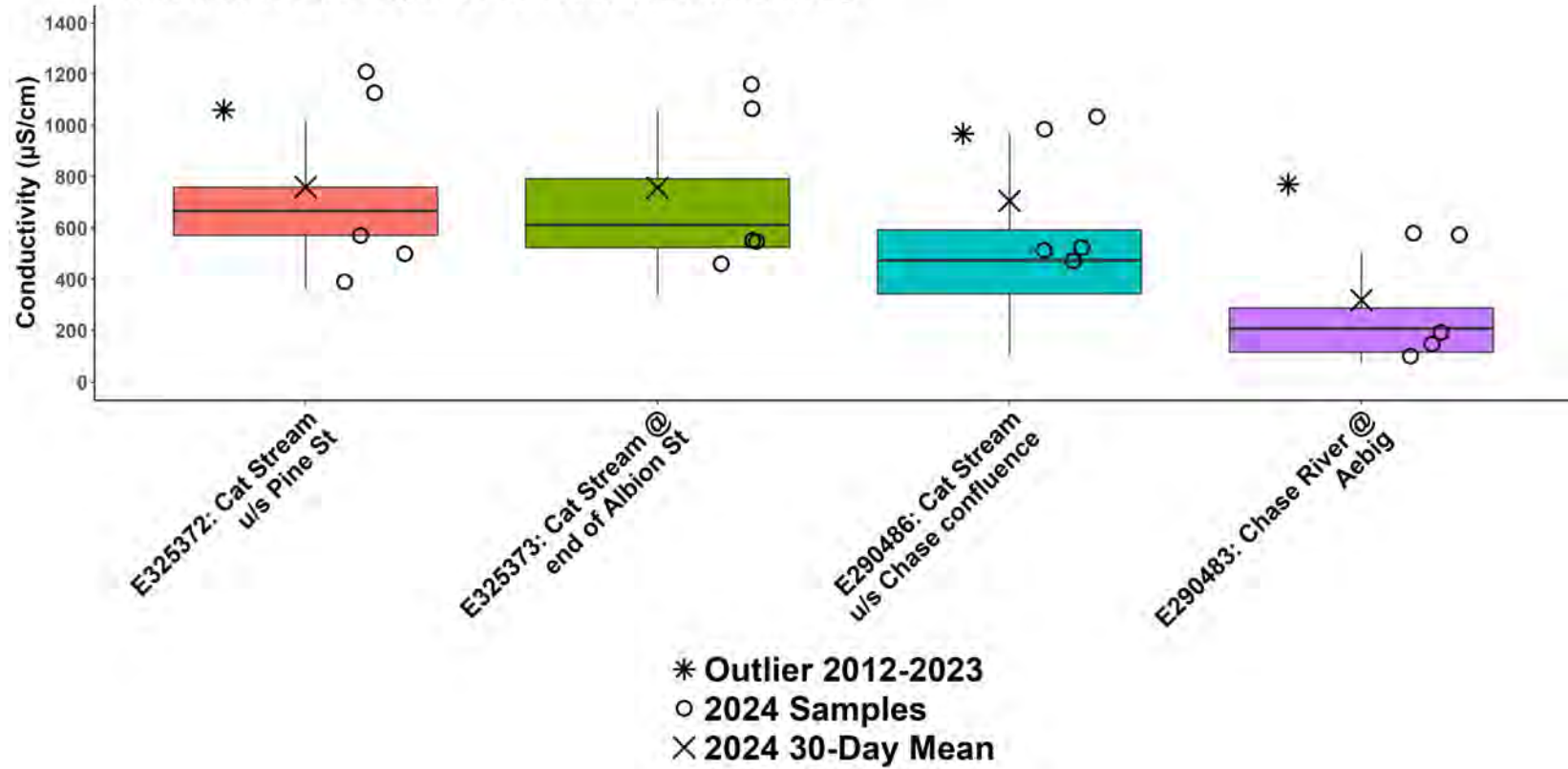
WR5-2a: South Wellington to Nanoose Fall Conductivity

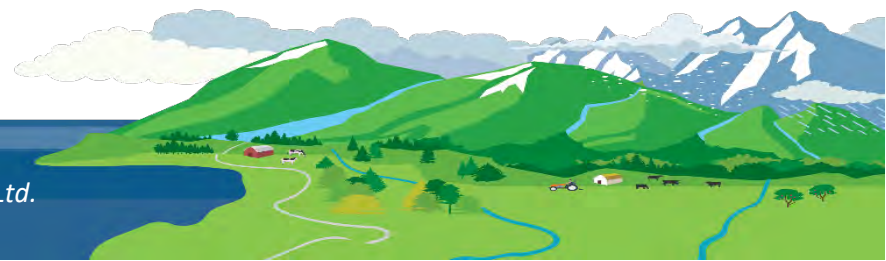
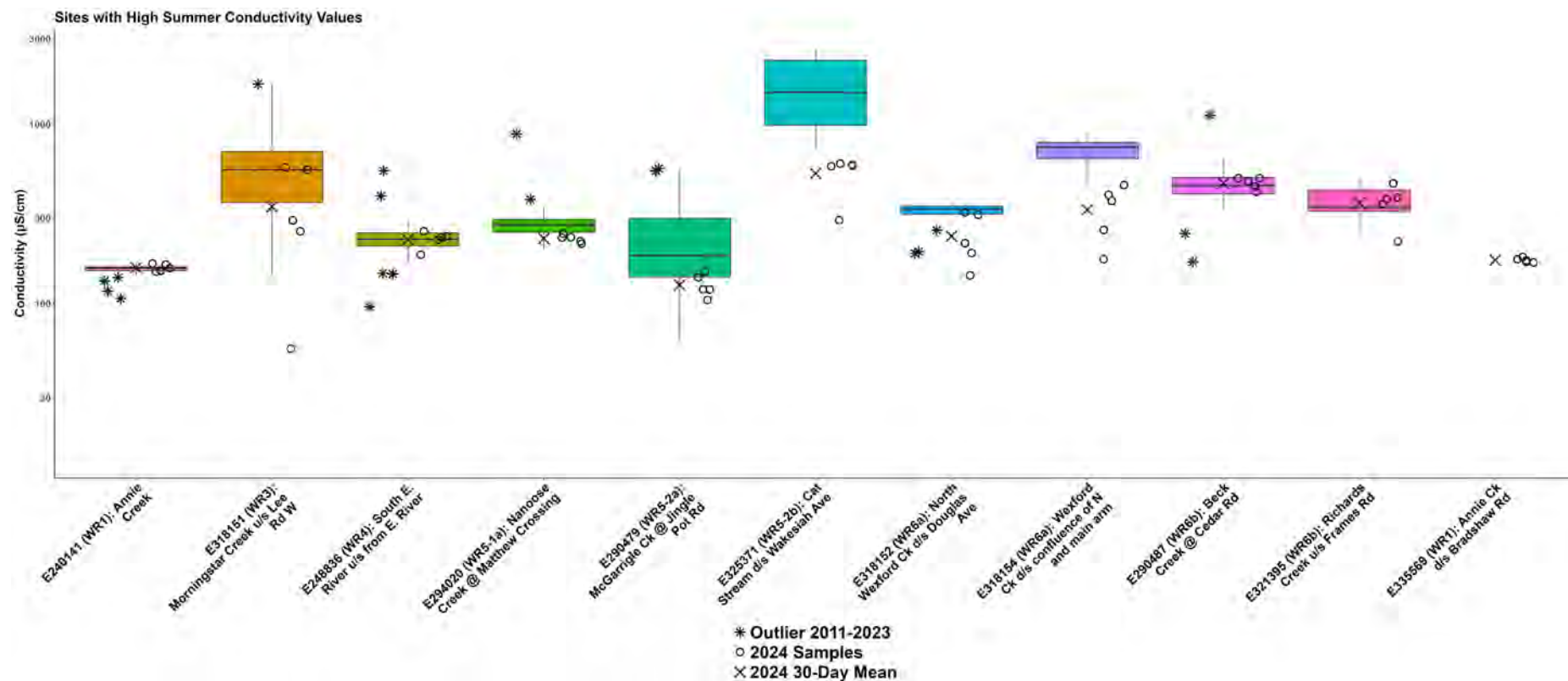


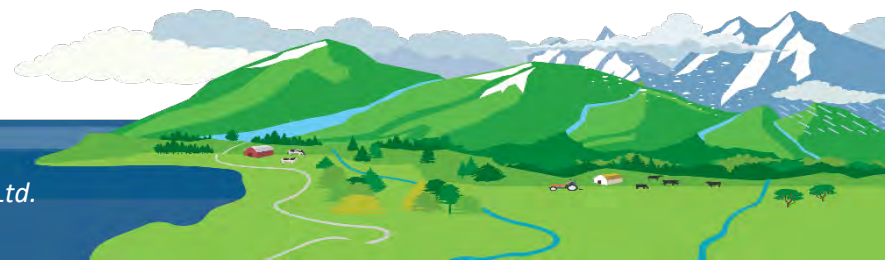
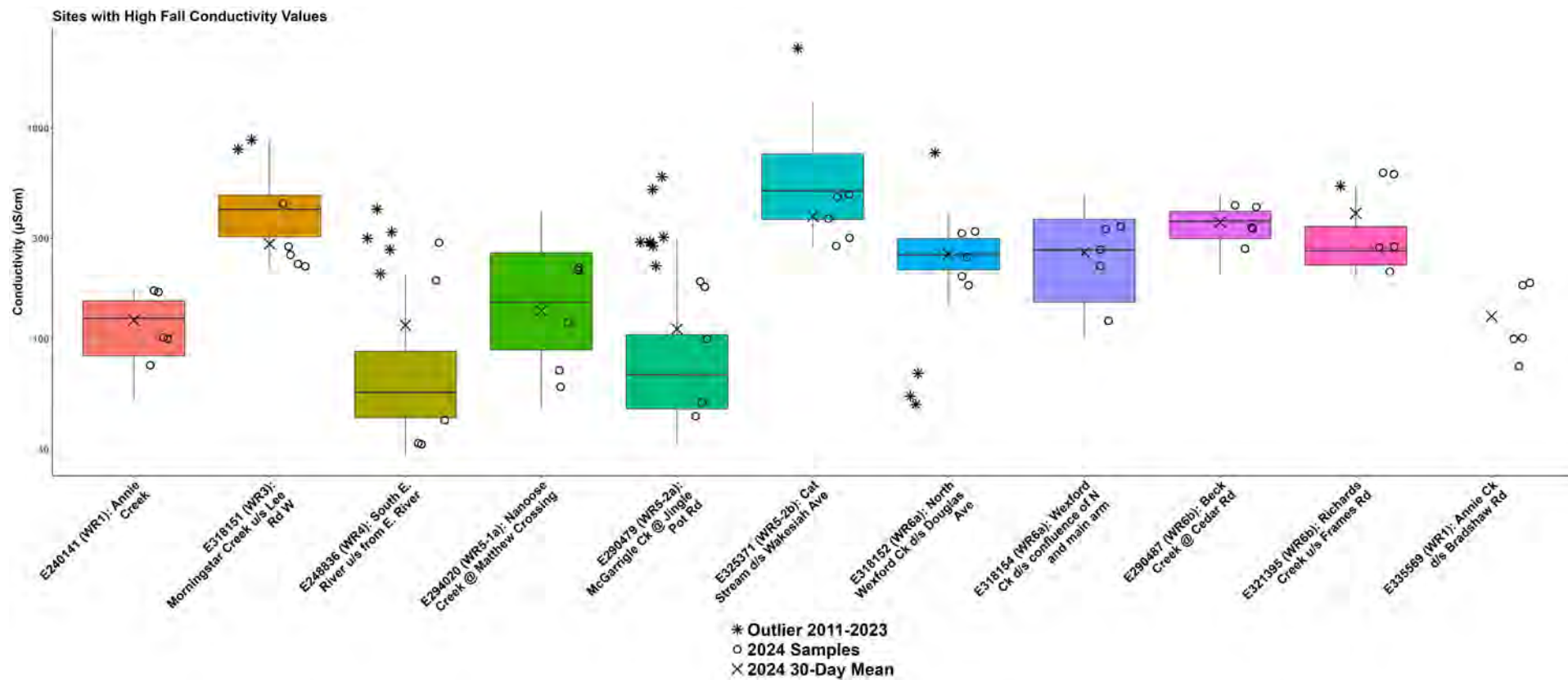
WR5-2b: South Wellington to Nanoose Summer Conductivity



WR5-2b: South Wellington to Nanoose Fall Conductivity











Island Waters Fly Fishers 2024 Monitoring Sites

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

0 250 500 1,000
Meters

July 2024



