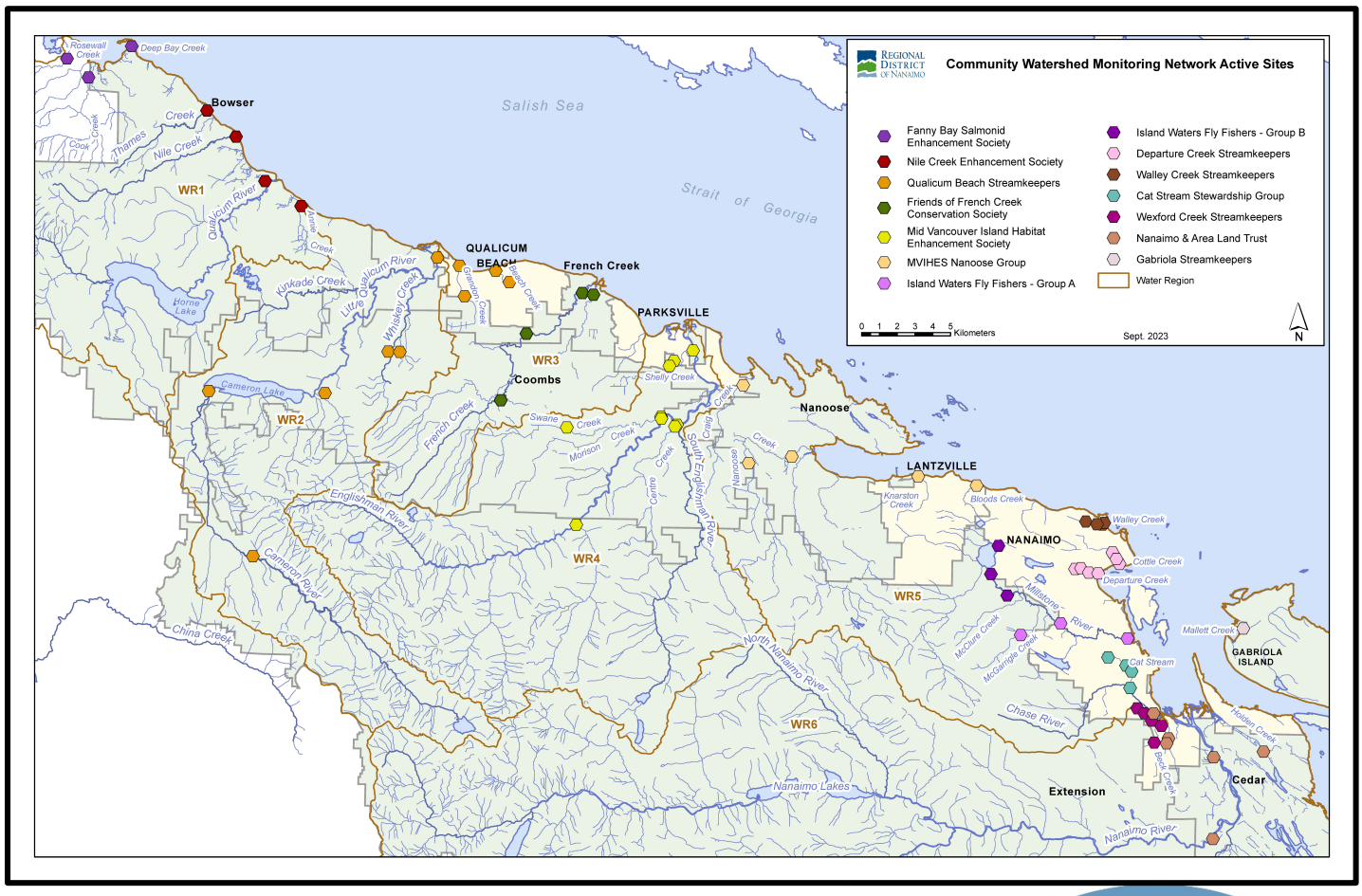
Community Watershed Monitoring Network 2023 Results by Water Region



Included in Water Region (WR) 5-1 package:

1. CWMN WR5 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. Mid Vancouver Island Habitat Enhancement Society (MVIHES)
5. Walley Creek Streamkeepers (WCS) map
6. Departure Creek Streamkeepers (DCS)

Water Region 5-1
sampled by:
Mid Vancouver Island Habitat Enhancement Society (MVIHES)
&
Walley Creek Streamkeepers (WCS)
&
Departure Creek Streamkeeepers (DCS)

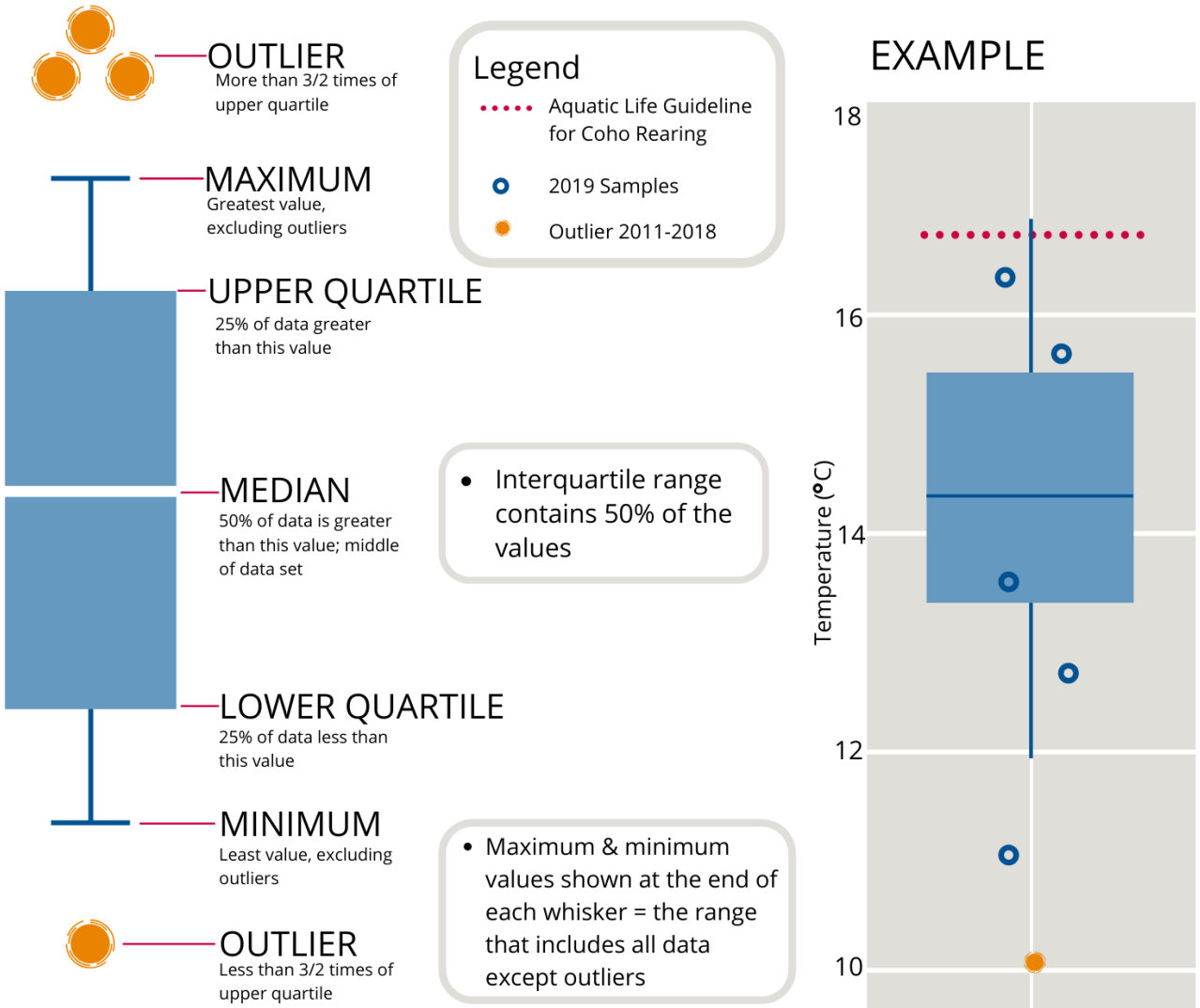
WR5-1 CWMN Sample Sites:

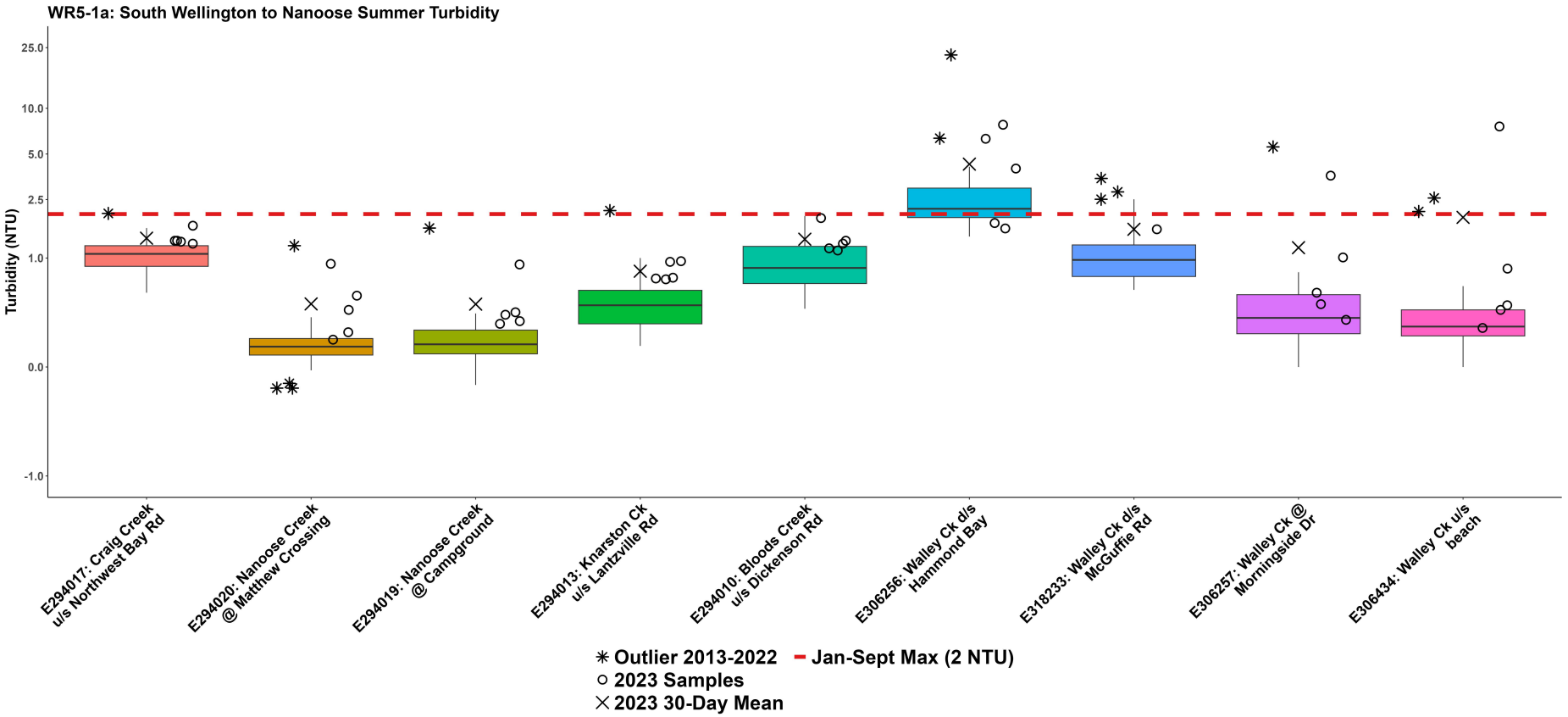
The table below shows the sites monitored by each of the streamkeeper organizations, as well as the number of years and which years a site was sampled. The number of years is important to keep in mind when interpreting the box plots as the plot for each site may contain a slightly different temporal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

Group	EMS ID	Geographic Description	Years Sampled	Years Monitored
MVIHES	E294010	Bloods Creek just u/s Dickenson Rd	6.5	2017 – present*
MVIHES	E294013	Knarston Ck just u/s Lantzville Rd	6.5	2017 – present*
MVIHES	E294017	Craig Creek just u/s Northwest Bay Rd	2	2022 – present
MVIHES	E294019	Nanoose Creek @ Nanoose Campground	2	2022 – present
MVIHES	E294020	Nanoose Creek @ Matthew Crossing	2	2022 – present
DCS	E290469	Departure Ck @ Neyland Rd (Stn1)	12	2012 – present
DCS	E290470	Josephs Ck (Dept Ck trib) off Newton (Stn 2)	12	2012 – present
DCS	E290471	Departure Ck in Woodstream Park (Stn 3)	12	2012 – present
DCS	E290472	Departure Ck @ outlet (Stn 4)	12	2012 – present
DCS	E290473	Cottle Creek @ Nottingham	12	2012 – present
DCS	E309186	Cottle Creek d/s of Hammond Bay Road	7	2017 – present
DCS	E290475	Cottle Creek @ Stephenson Pt Rd	12	2012 – present
WCS	E306256	Walley Ck d/s Hammond Bay	8	2016 – present
WCS	E306257	Walley Ck @ Morningside Dr	8	2016 – present
WCS	E306434	Walley Creek 20m u/s beach	8	2016 – present
WCS	E318233	Walley Ck 100 m d/s McGuffie Rd	4	2019 – present^

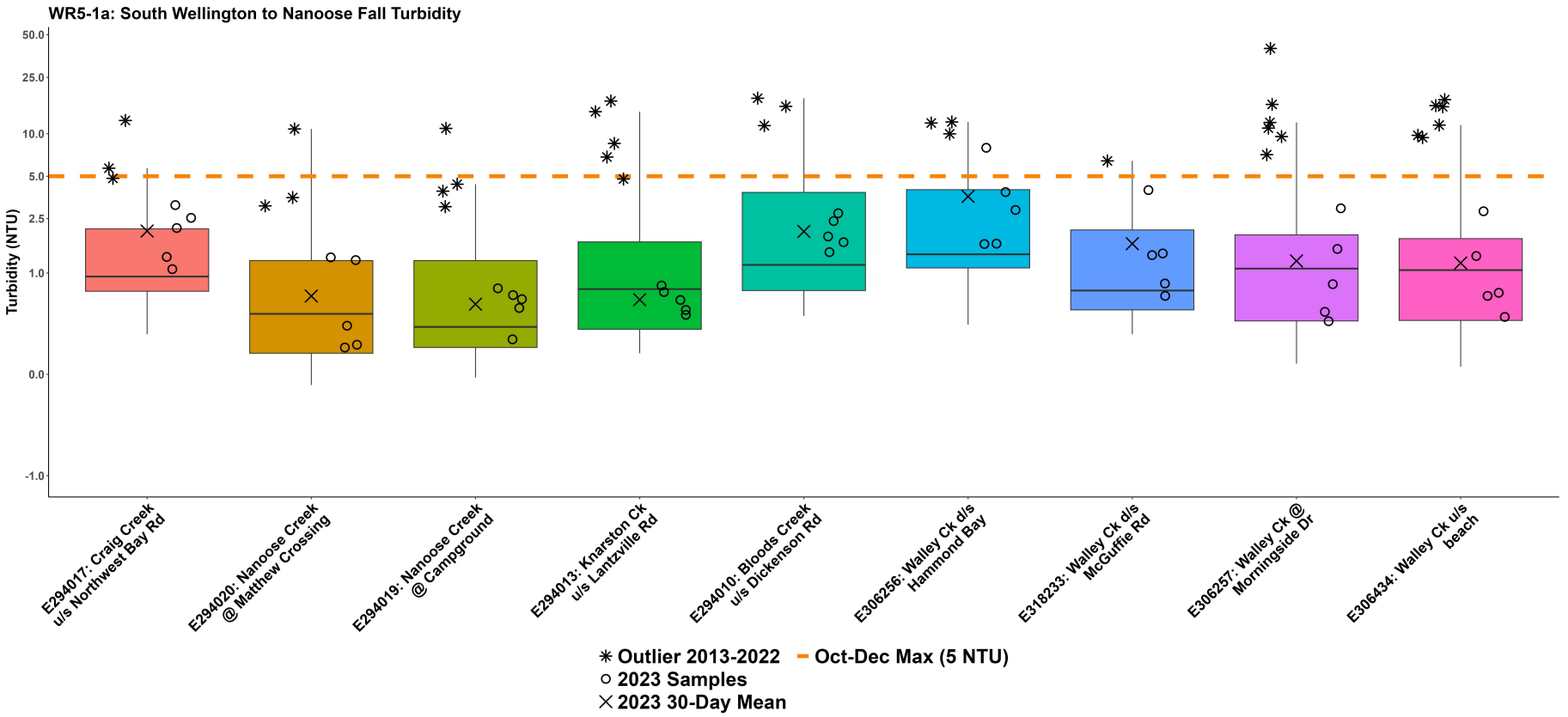
*Monitored in the fall of 2017. ^Could not monitor in 2020 due to blocked access.

How to Interpret a Box Plot:





Created for the RDN's Community Watershed Monitoring Network using 2023 data collected by local Streamkeepers. Charts produced by Ecoscape Environmental Consultants Ltd.
Question? Call 250-390-6560 or email watermonitoring@rdn.bc.ca



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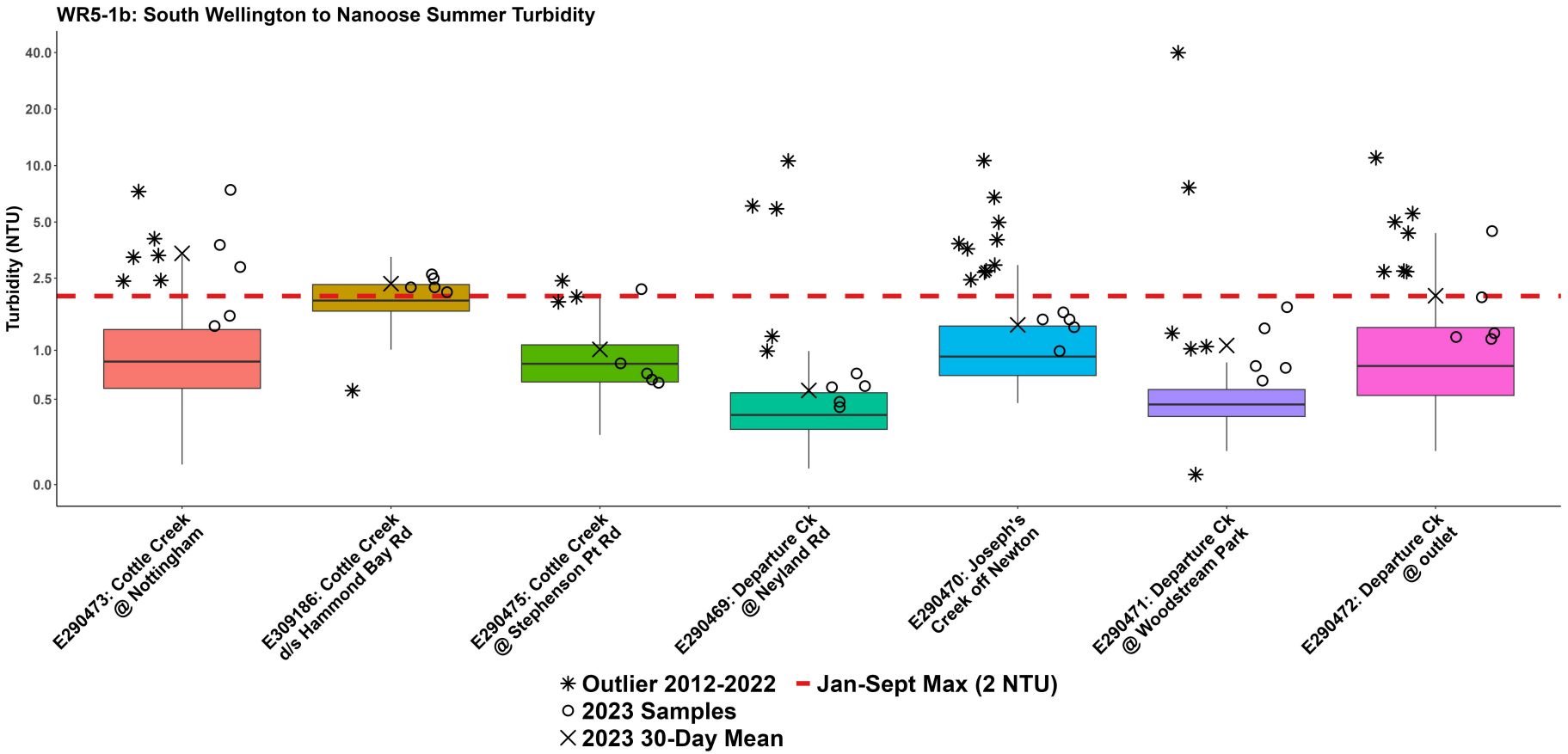

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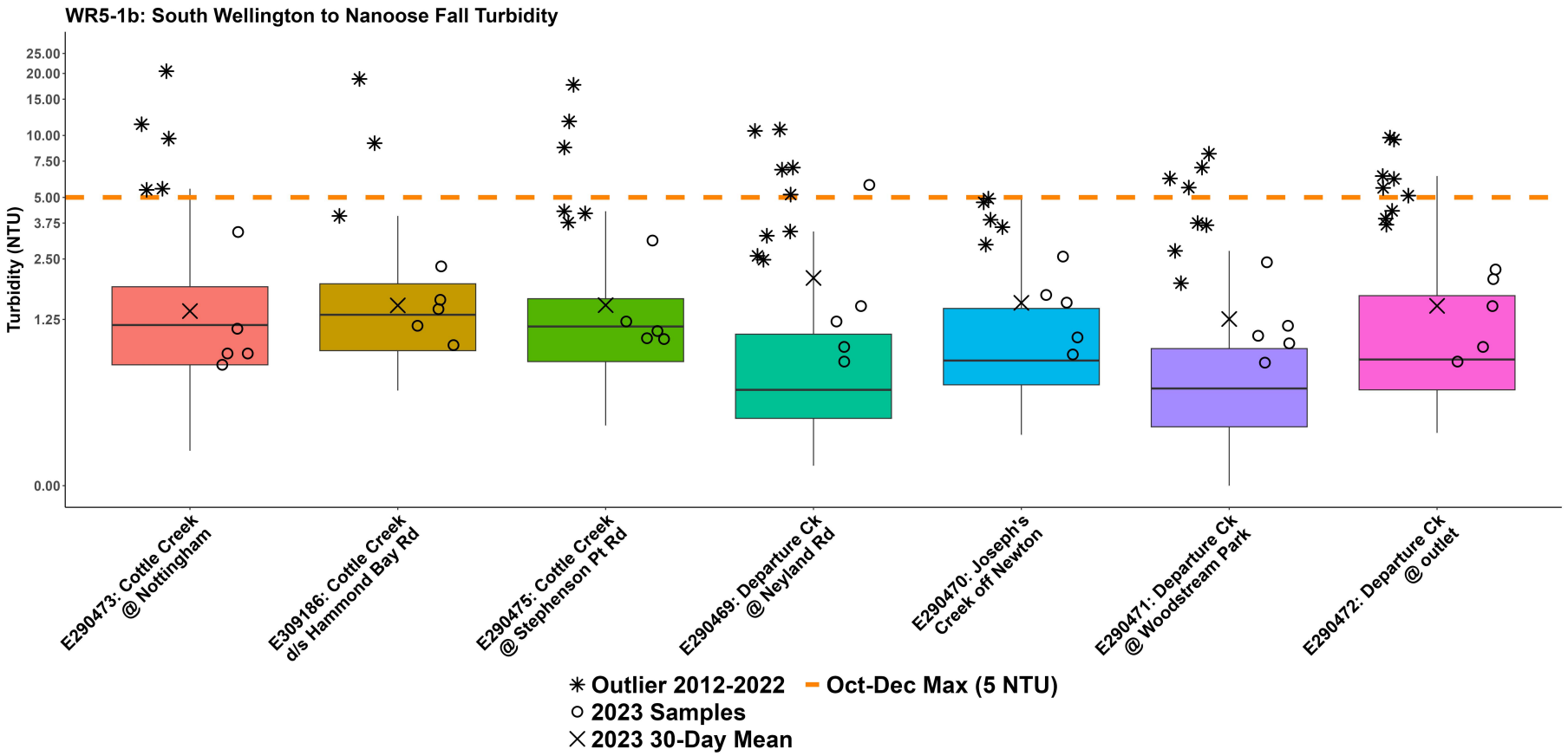

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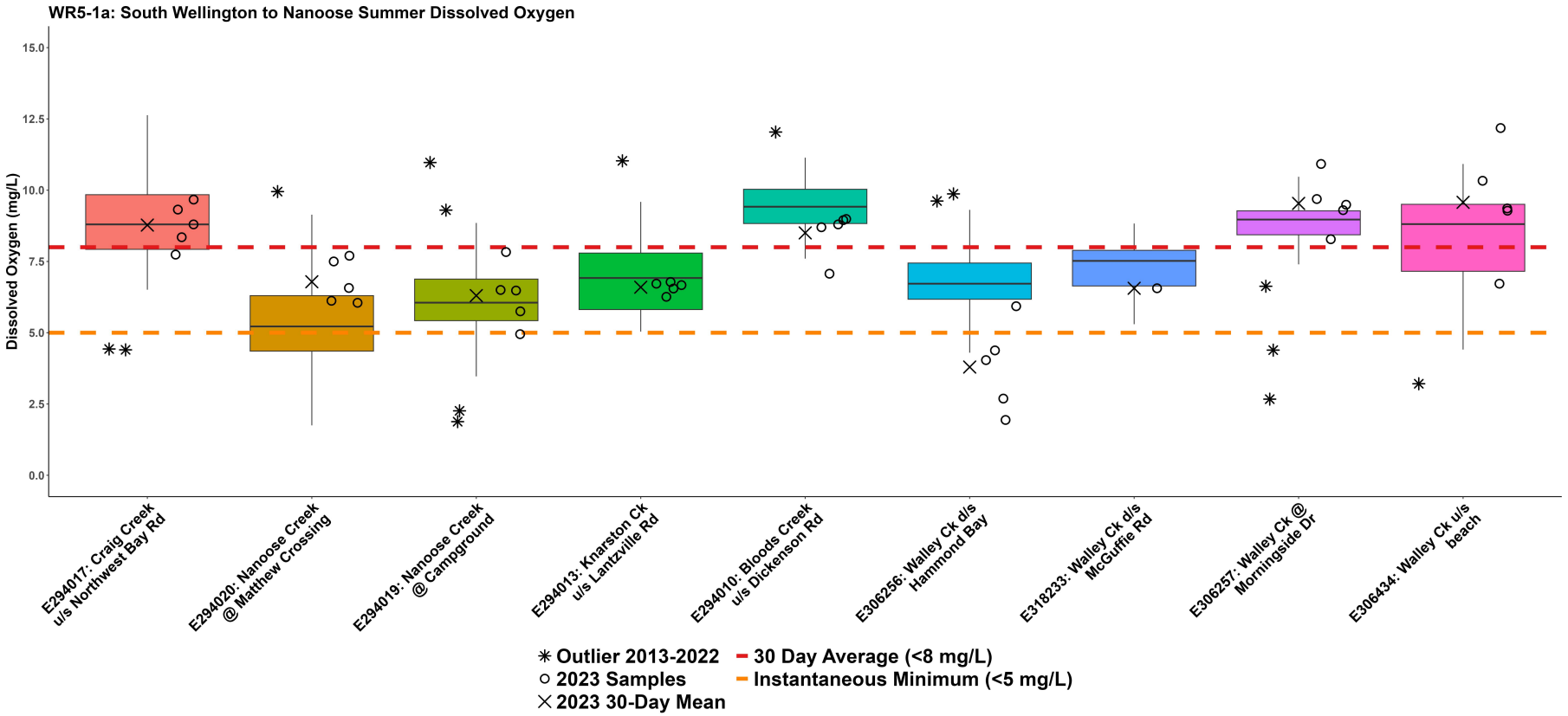

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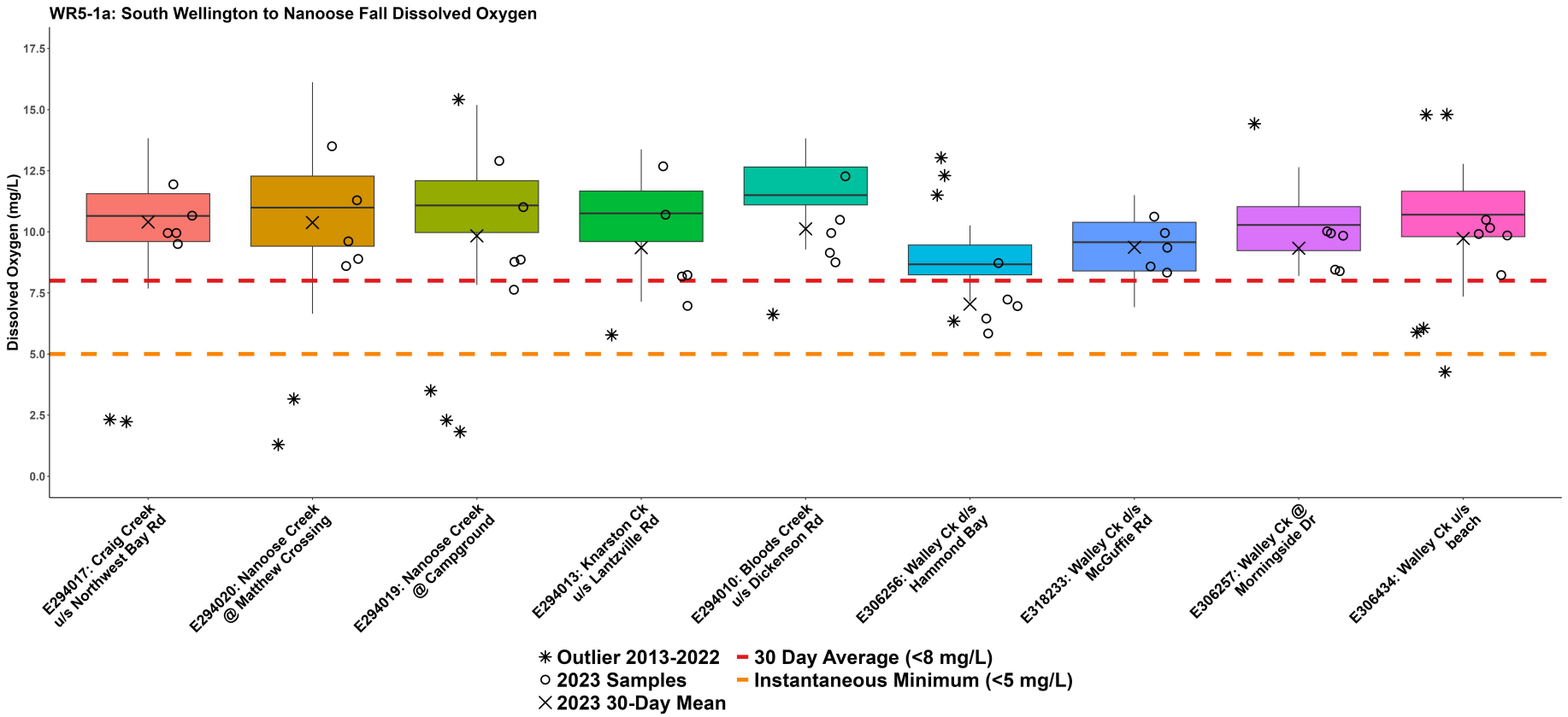

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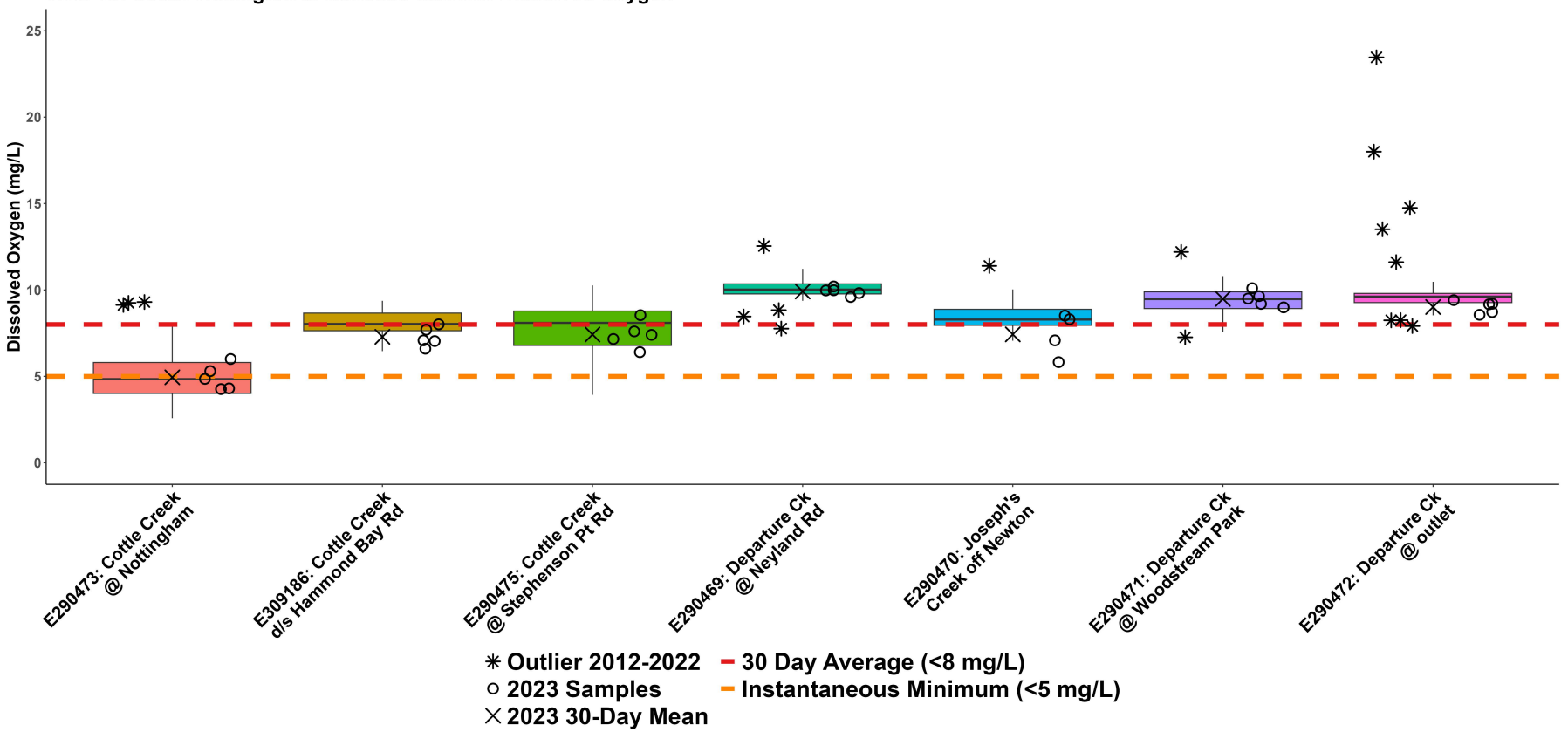
WR5-1b: South Wellington to Nanoose Summer Dissolved Oxygen



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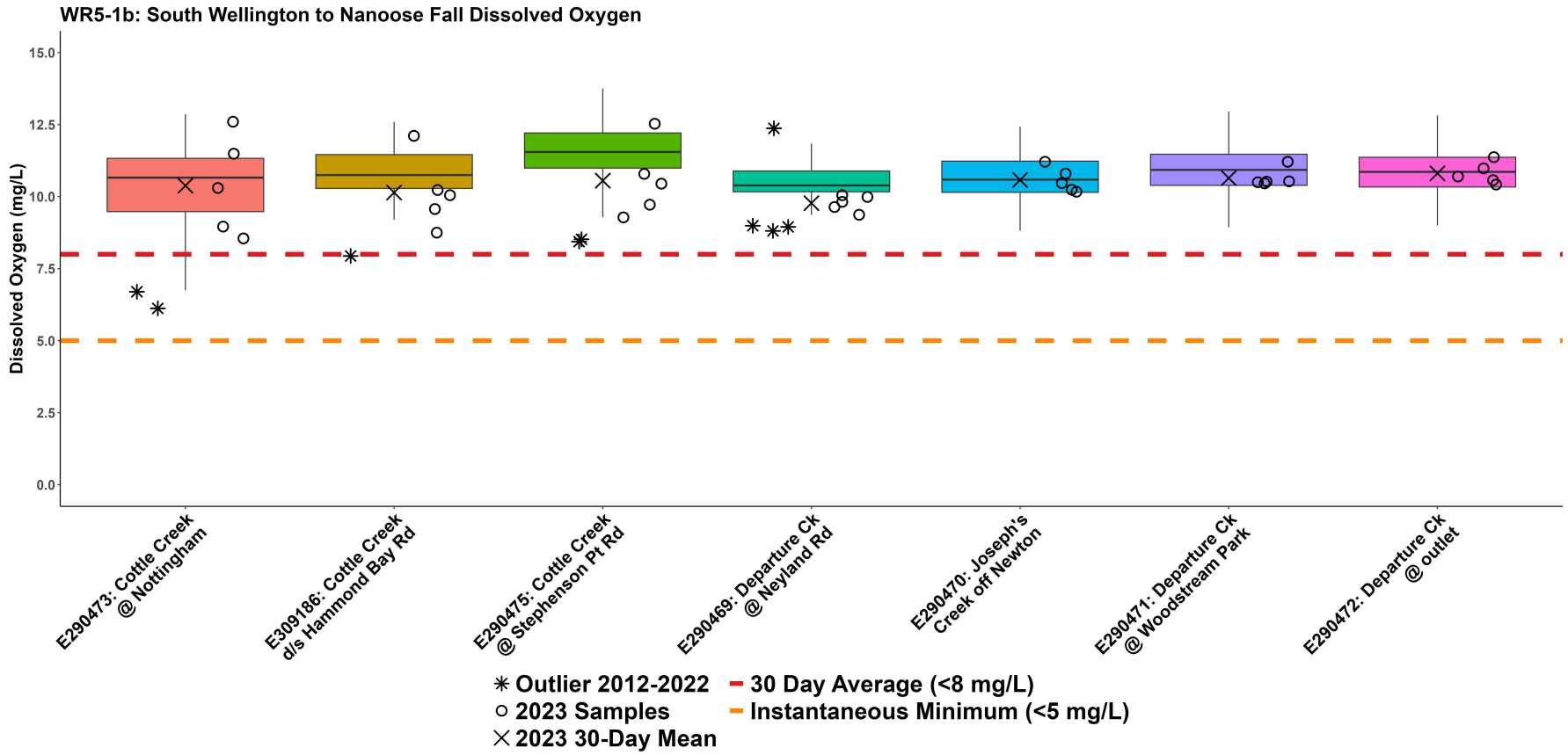

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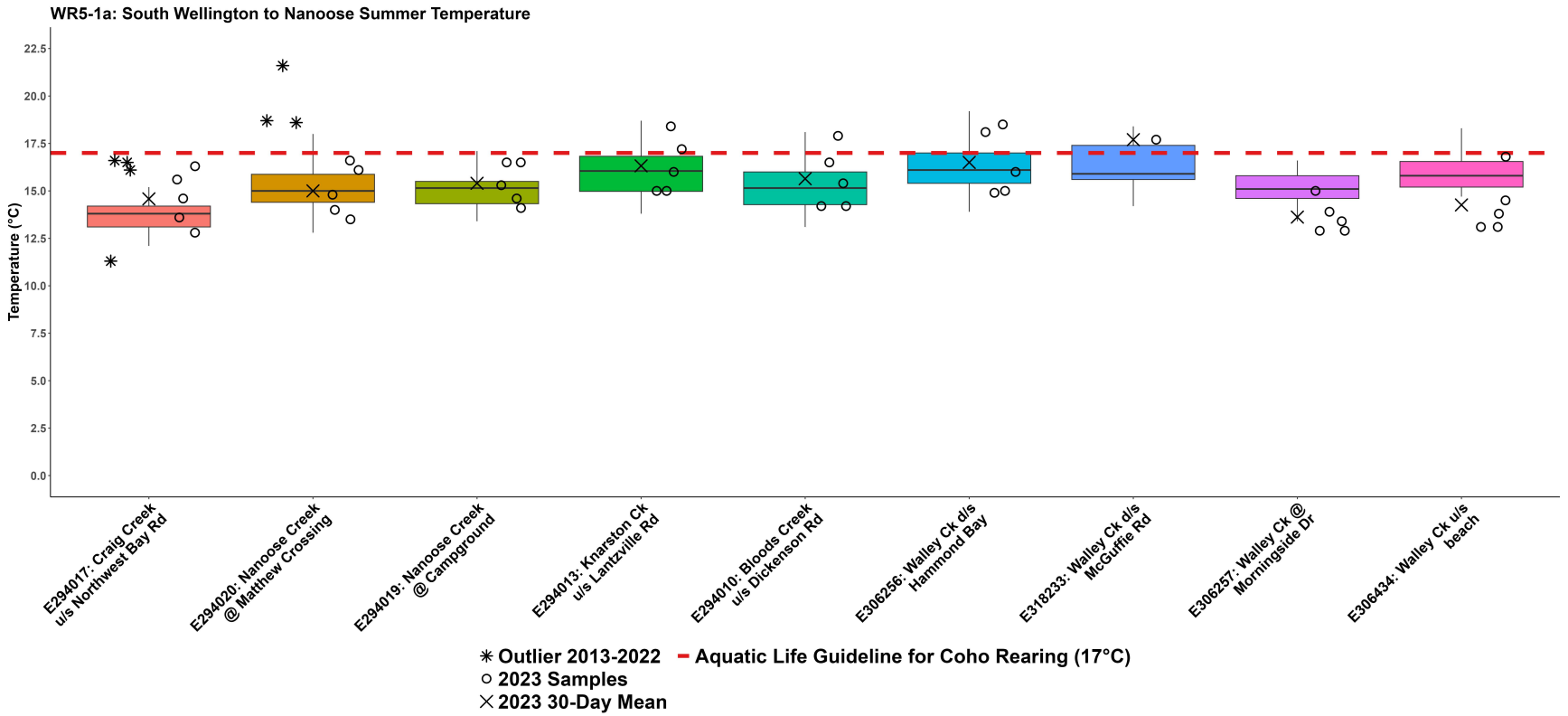

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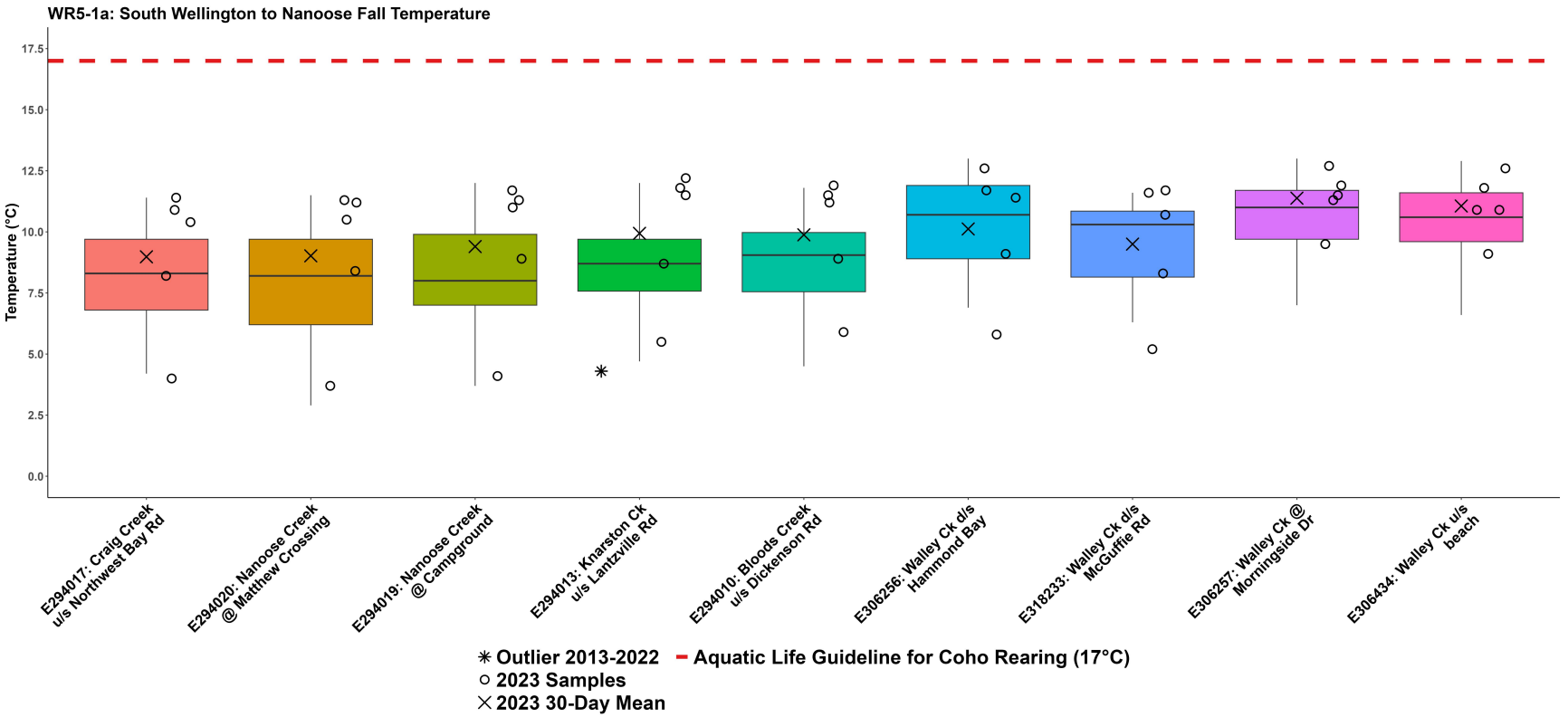

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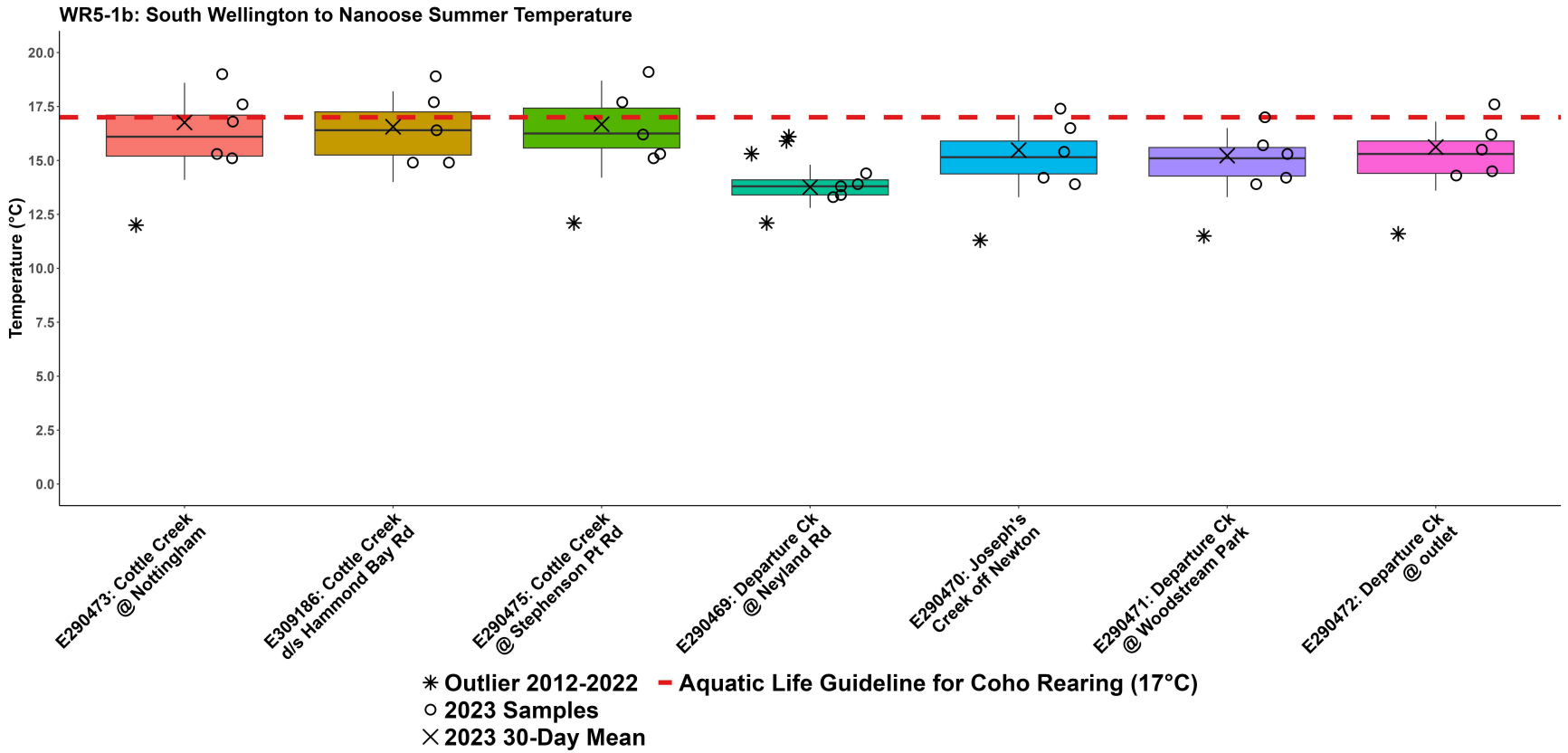

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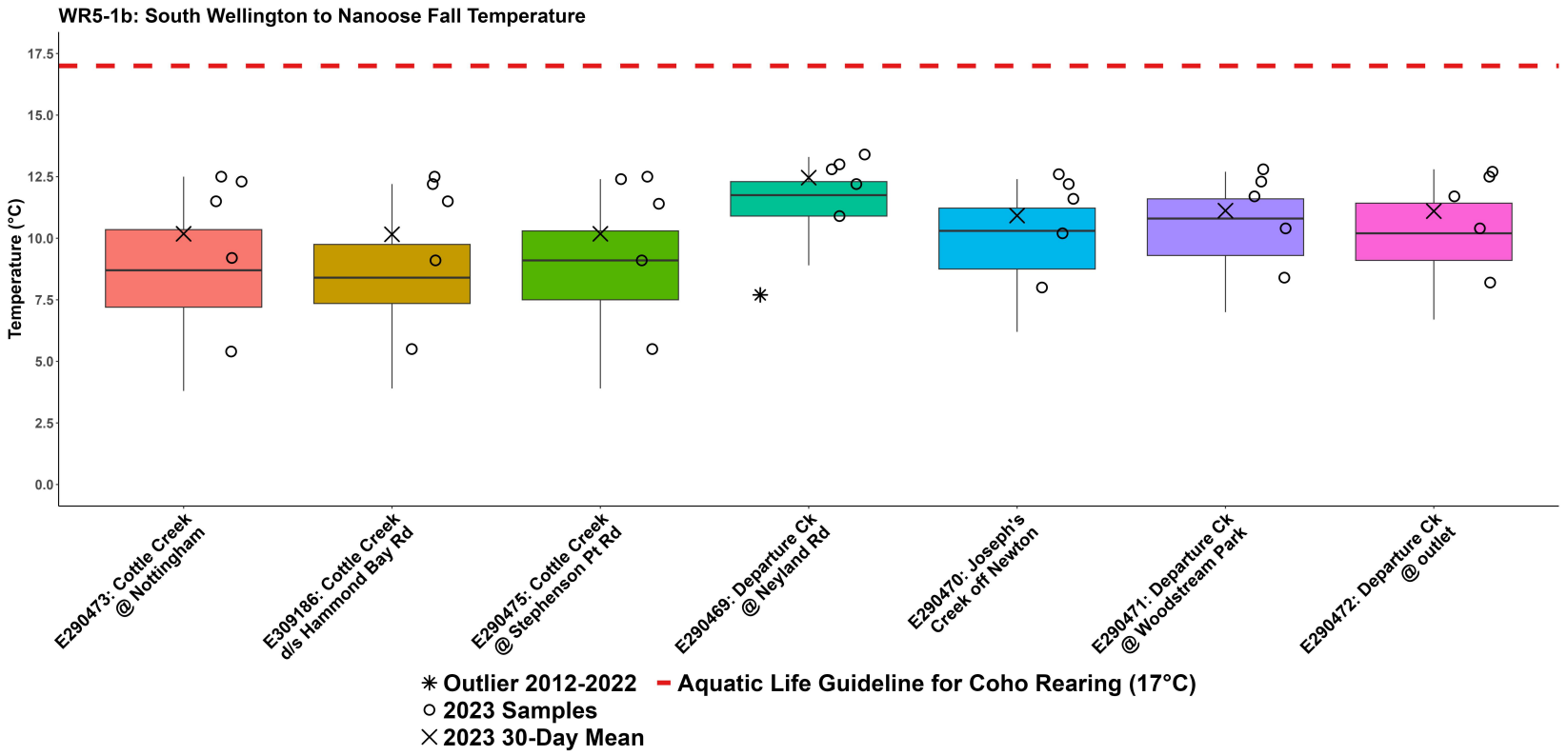

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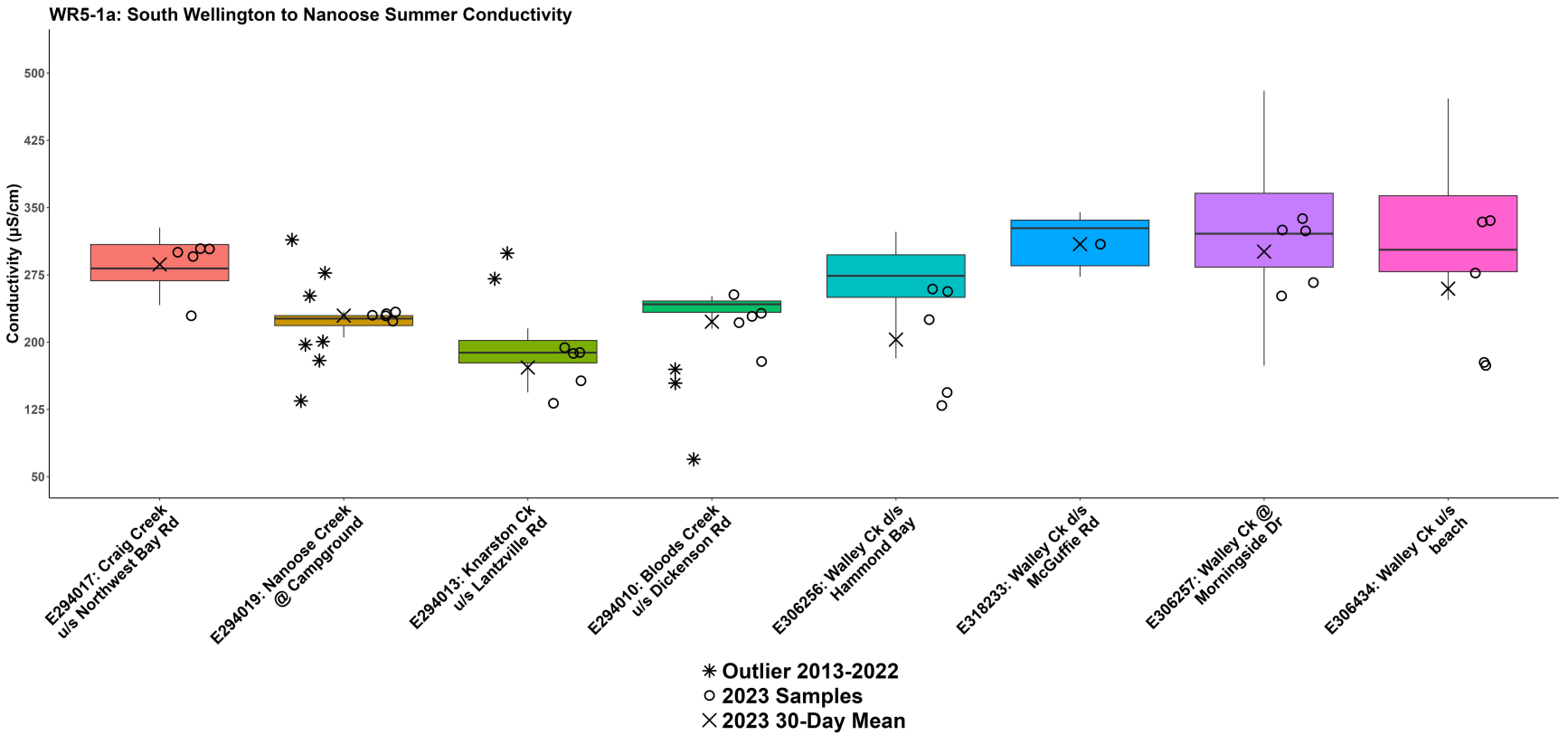

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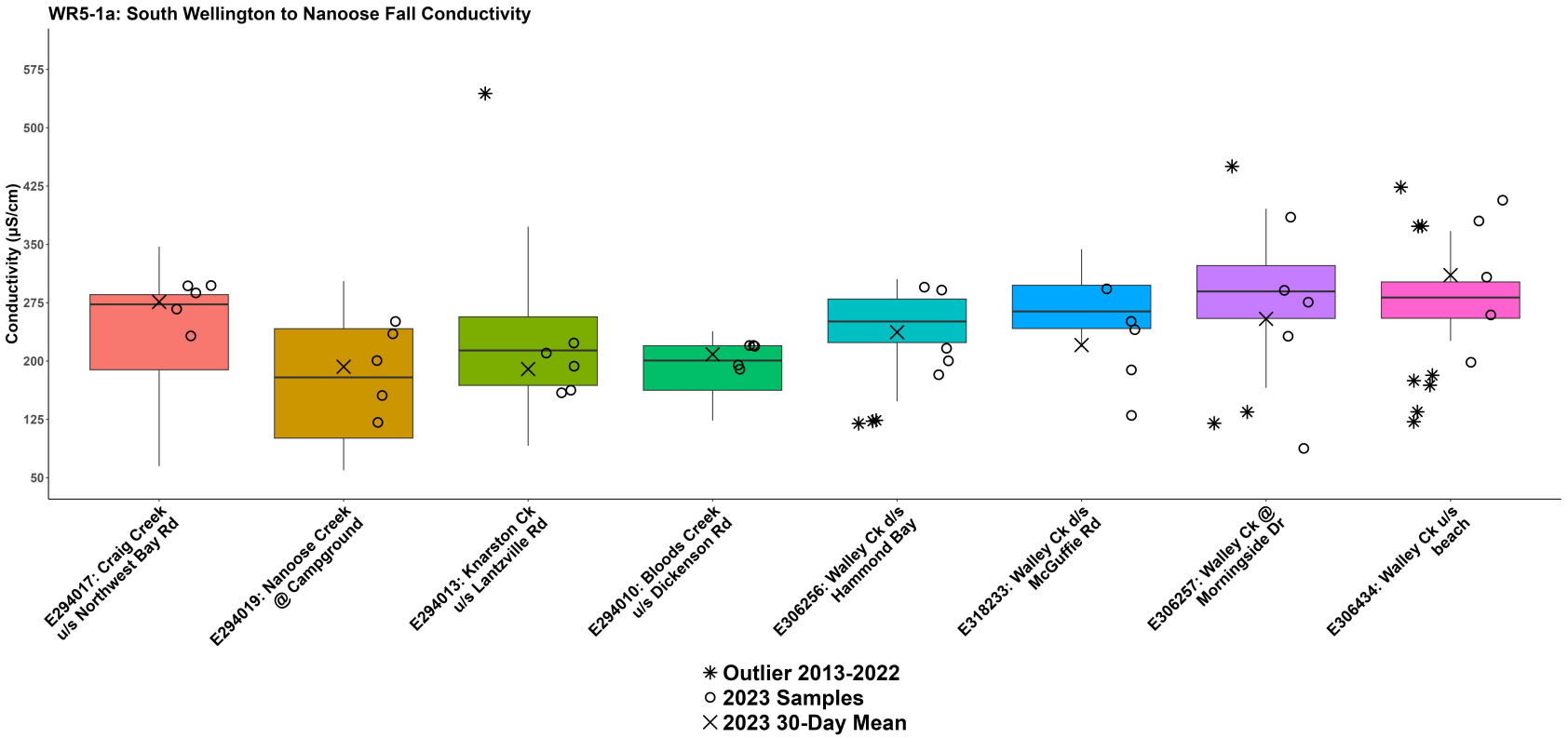
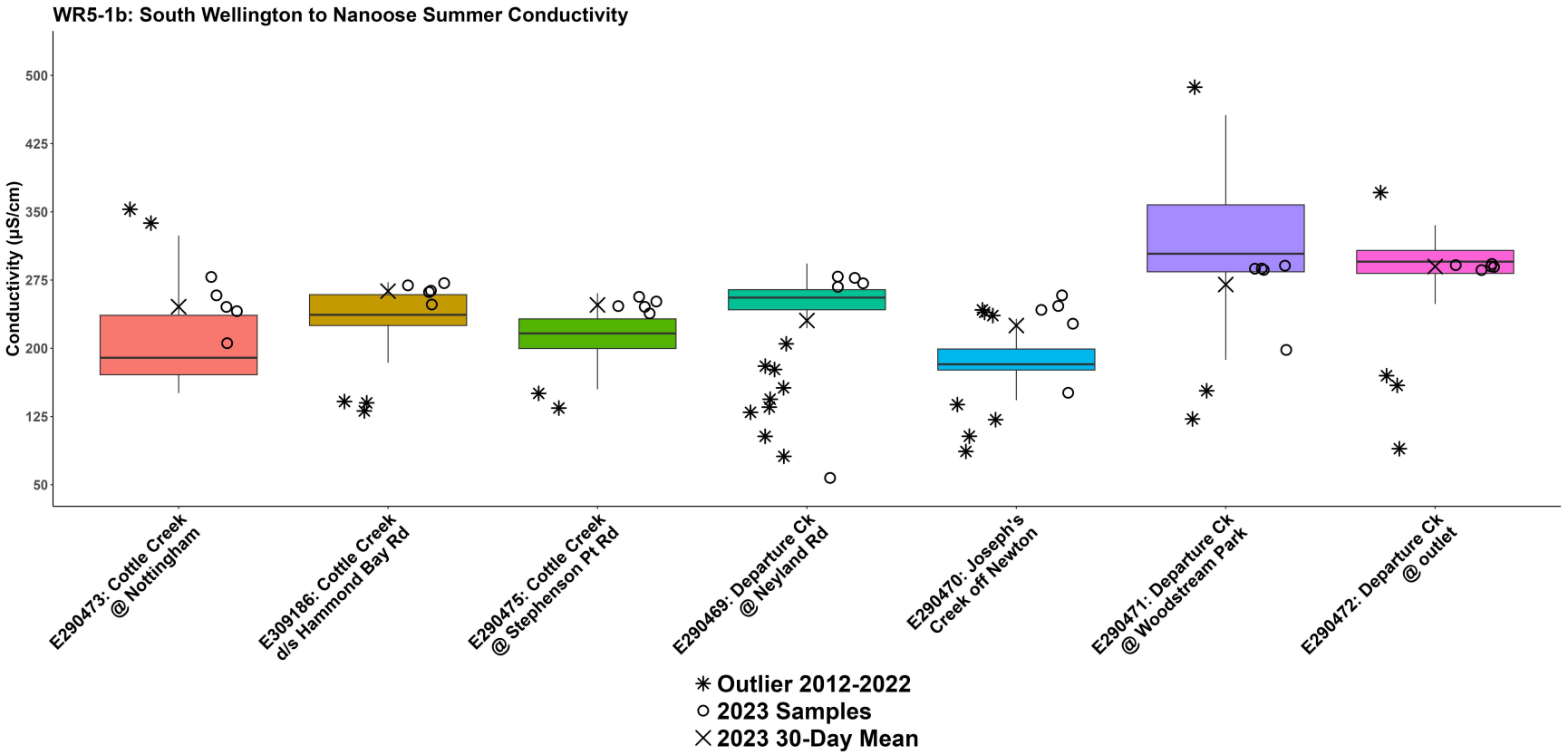
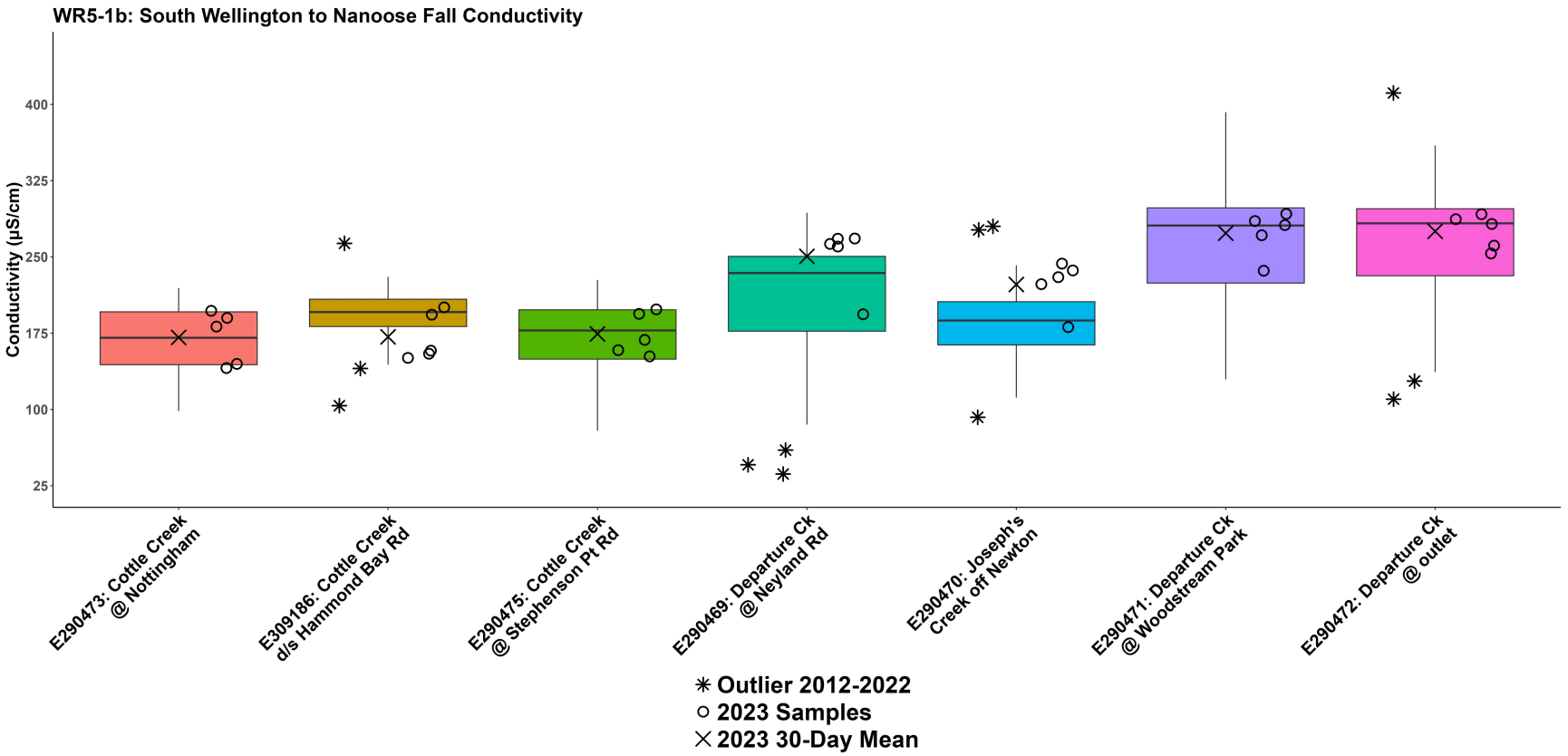

WR5-1a: South Wellington to Nanoose Fall Conductivity
Conductivity (µS/cm)
575
500
425
350
275
200
125
50
E294017: Craig Creek u/s Northwest Bay Rd
E294019: Nanoose Creek @ Campground
E294013: Knarston Ck u/s Lantzville Rd
E294010: Bloods Creek u/s Dickenson Rd
E306256: Walley Ck d/s Hammond Bay
E318233: Walley Ck d/s McGuffie Rd
E306257: Walley Ck @ Morningside Dr
E306434: Walley Ck u/s beach
✳ Outlier 2013-2022
○ 2023 Samples
× 2023 30-Day Mean


WR5-1b: South Wellington to Nanoose Summer Conductivity
Conductivity (µS/cm)
500
425
350
275
200
125
50
E290473: Cottle Creek @ Nottingham
E309186: Cottle Creek d/s Hammond Bay Rd
E290475: Cottle Creek @ Stephenson Pt Rd
E290469: Departure Ck @ Neyland Rd
E290470: Joseph's Creek off Newton
E290471: Departure Ck @ Woodstream Park
E290472: Departure Ck @ outlet
✳ Outlier 2012-2022
○ 2023 Samples
× 2023 30-Day Mean



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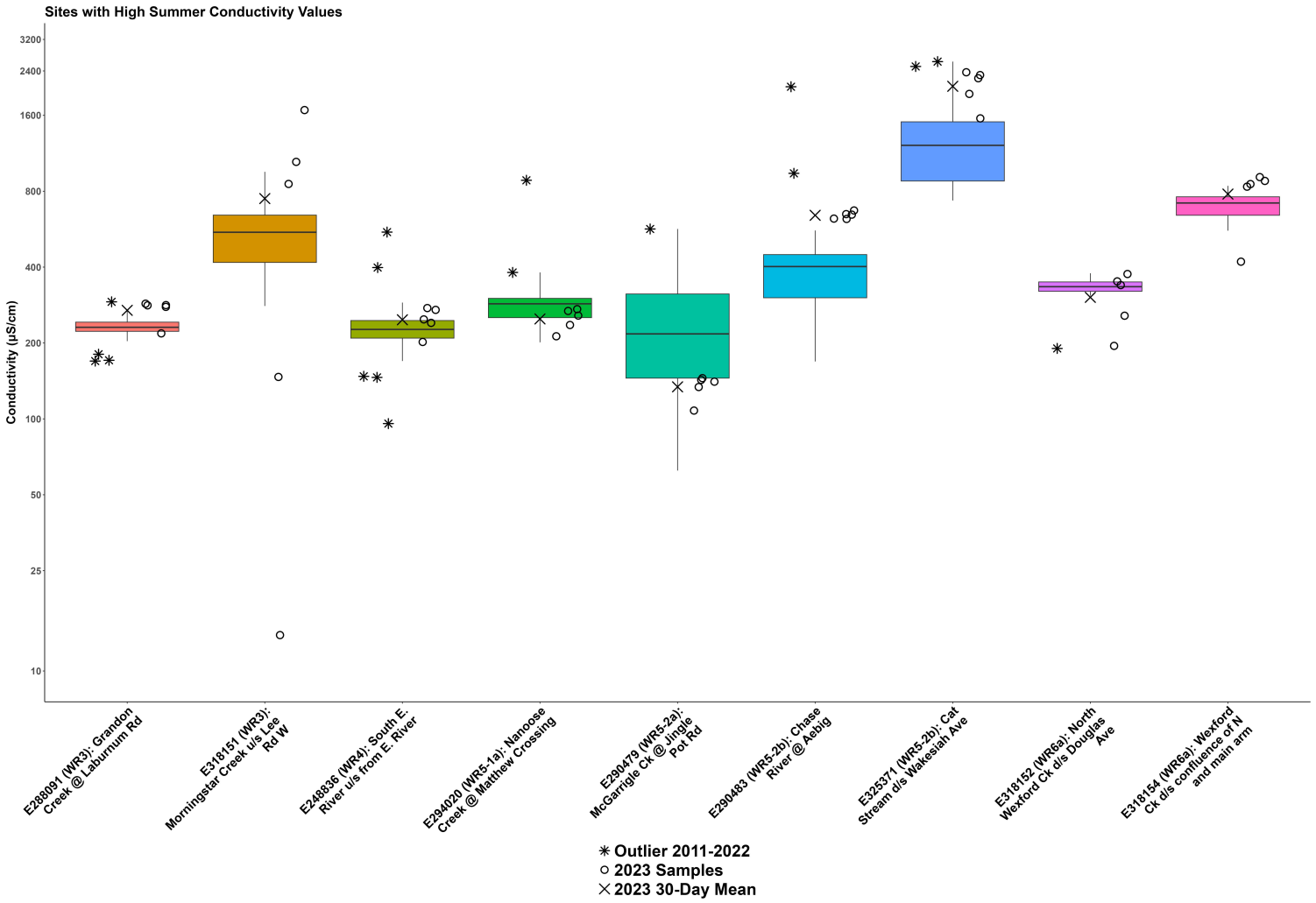

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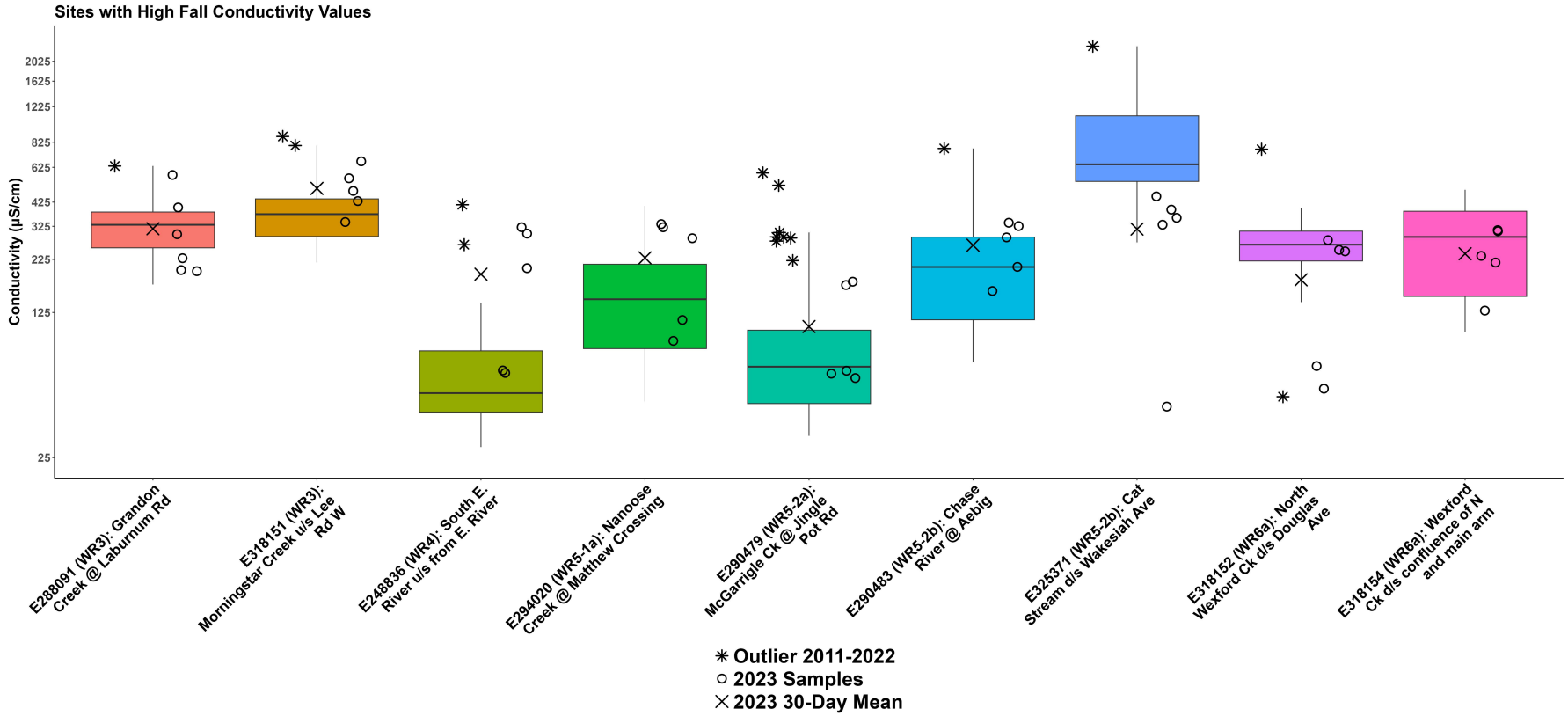
Sites with High Fall Conductivity Values



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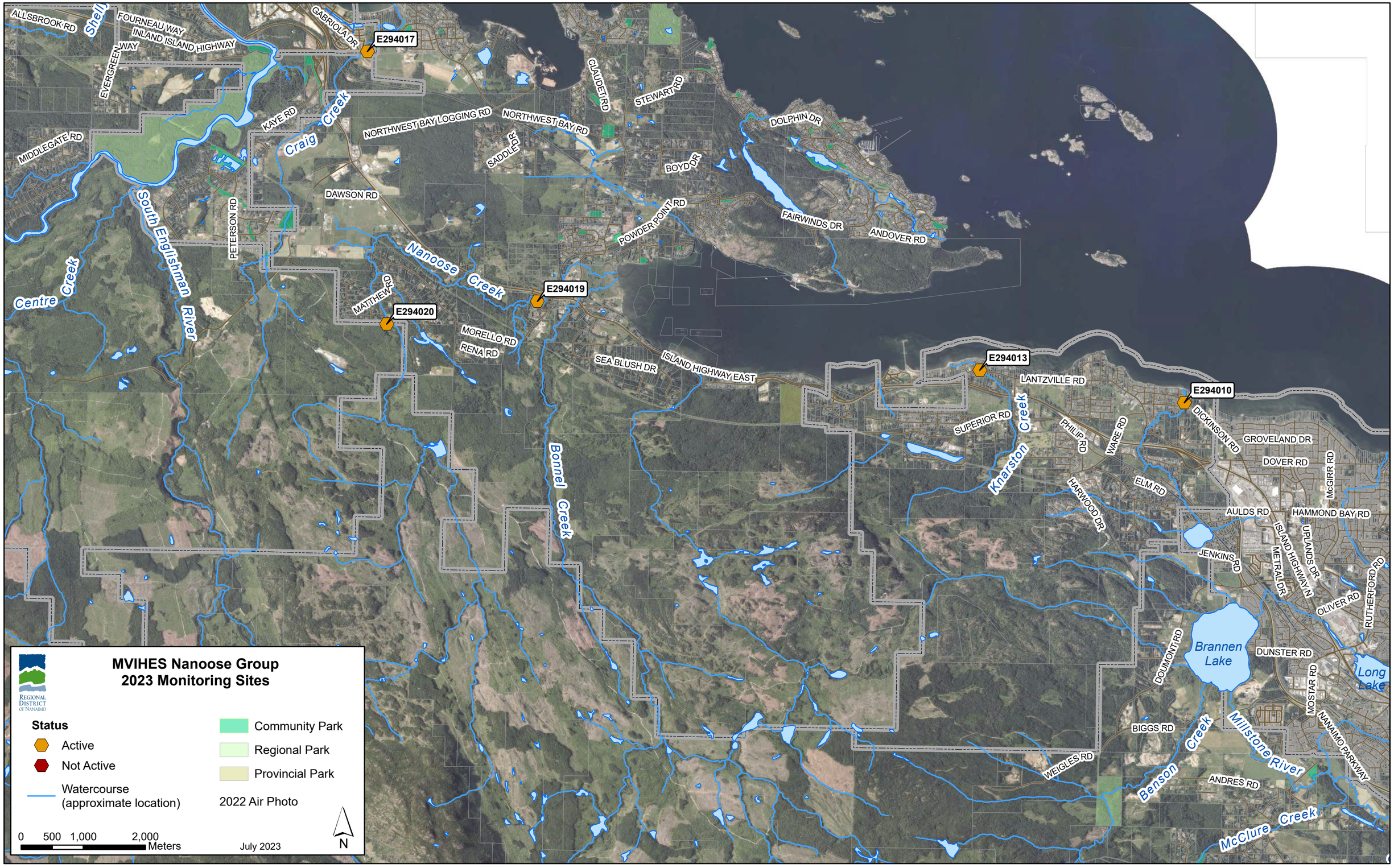

MVIHES Nanoose Group
2023 Monitoring Sites

REGIONAL DISTRICT OF NANAIMO

Status

- Active
- Not Active
- Watercourse (approximate location)

- Community Park
- Regional Park
- Provincial Park
- 2022 Air Photo

0 500 1,000 2,000 Meters

July 2023

N

FILLINGER CRES
HERITAGE DR
BANNING COURT
FINNERTY CRES
BAYSHORE DR
CARRIAGE DR
ENTWHISTLE DR
BELLA VISTA CRES
VISTA VIEW CRES
WILLIAMSON RD
DENFORD PL
NEY DR
LESLIE CRES
JACOBS LN
HARTWIG CRES
LOGANS RUN
NORTON RD
FOX PL
HAMMOND BAY RD
VISTA VIEW CRES
Walley Creek
E306256
E318233
E306257
E306434
MORNINGSIDE DR
DUNN PL
MORGAN PL
RILEY PL
LAGUNA WAY
SHERIDAN RIDGE RD
GULFVIEW DR
TIKI WAY
TIKI LANE
PIPER CRES
EWEN PL
LOST LAKE RD
BLUE JAY TRAIL
TANYA DR
AMBIENCE DR
BURMA RD
Walley Creek Streamkeepers
2023 Monitoring Sites
Regional District of Nanaimo
Status
Active
Not Active
Watercourse
(approximate location)
2022 Air Photo
0 100 200 400
Meters
July 2023
N

E290474
E290476
E290473
E309186
E290475
E290469
E290470
E290471
E290472
Cottle Lake
Cottle Creek
Departure Creek
BURMA RD
ARROWSMITH RD
LANDALT RD
ROCK CITY RD
TUNNAH RD
OPAL RD
OCEAN PEARL TERR
BARRINGTON RD
POPPLETON RD
VILLA RD
ADBY RD
SANDRA RD
REYNOLDS RD
SINGLETON RD
GRANITE PARK RD
EDGEWOOD DR
MEXICANA RD
UPLANDS DR
TELESCOPE TERR
SMUGGLERS HILL DR
DEPARTURE BAY RD
SHERWOOD DR
KEIGHLEY RD
CHARLES ST
NEWTON ST
THOMAS ST
DEERBORNE PL
COUNTRY CLUB DR
NEYLAND RD
COLWOOD RD
CAPILANO PL
GORGE VALE PL
GLEN EAGLE CRES
BAY ST
HALIDAY CRES
COSGROVE CRES
FANDELL ST
GLENAYR DR
FAIRBANKS ST
ELK ST
WINGROVE ST
ROBIN HOOD DR
KING JOHN WAY
SHERIFF WAY
KING RICHARD DR
JESTERS WAY
ROSE ANN DR
PRINCE JOHN WAY
CUMBERLAND PL
NOTTINGHAM DR
SERABI PL
SHEARWATER DR
WAVECREST DR
GREYHAWK DR
BUDEHAVEN DR
STEPHENSON POINT RD
POLARIS DR
LAGOON RD
PLACE RD
SUNDOWN DR
OVERLOOK DR
OAKRIDGE DR
BELAIRE DR
GLEN OAKS DR
GOLDEN OAKS CRES
LINLEY RD
BRAY RD
SUNNY DR
HAMMOND BAY RD
OSPREY LOOKOUT
FALCON DR
PLANTA RD
BONNIE DR
ELLIS PL
Departure Creek Streamkeepers
2023 Monitoring Sites
Regional District of Nanaimo
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(approximate location)
2022 Air Photo
0 100 200 400
Meters
July 2023
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