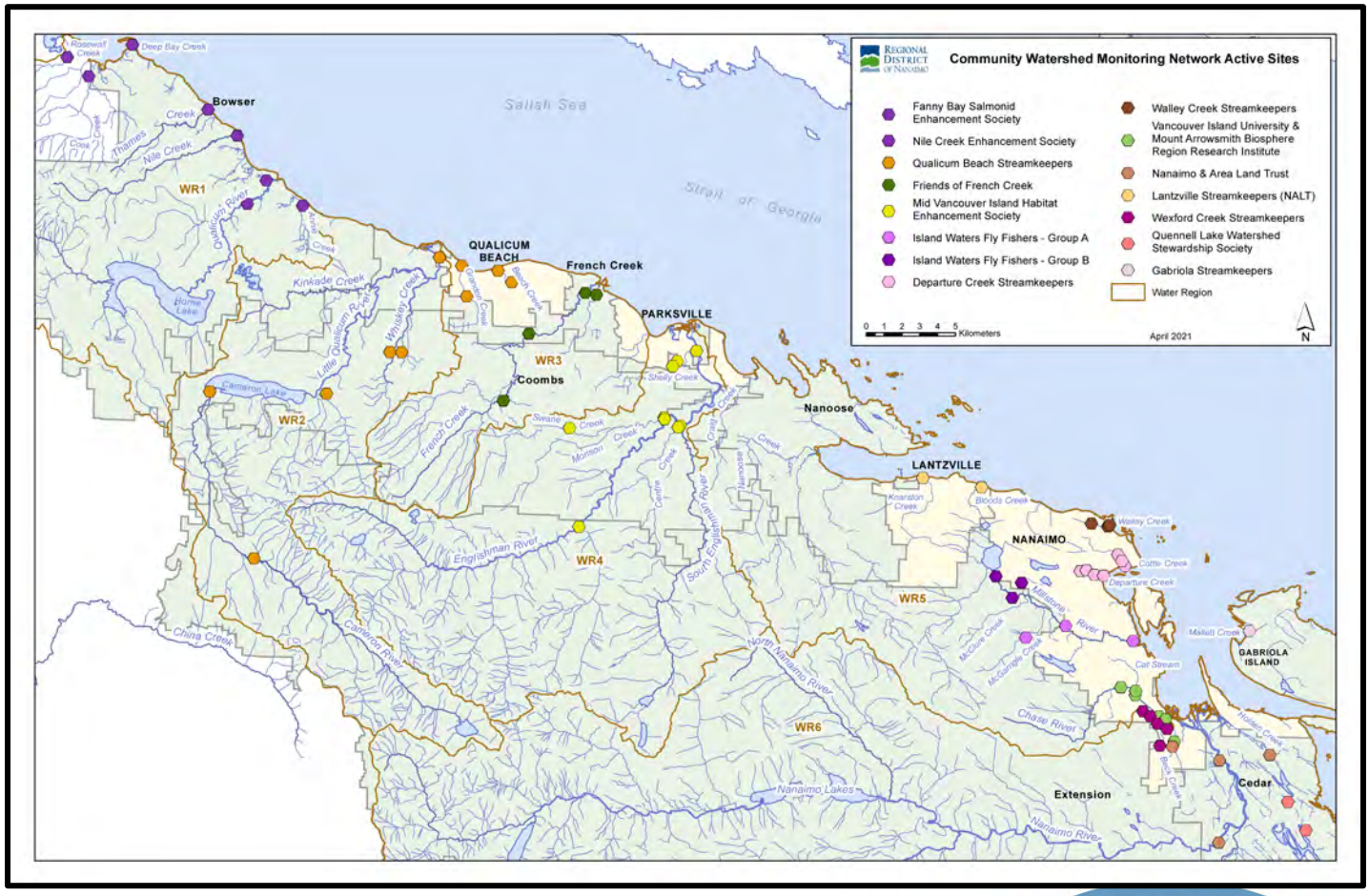
Community Watershed Monitoring Network
2021 Results by Water Region



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

1. CWMN WR5-1 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. LSk CWMN map of sample sites
5. DCS CWMN map of sample sites
6. WCS CWMN map of sample sites

Water Region 5-1
sampled by:
Lantzville Streamkeepers (LSk)
&
Departure Creek Streamkeepers (DCS)
&
Walley Creek Streamkeepers (WCS)

WR5-1 CWMN Sample Sites:

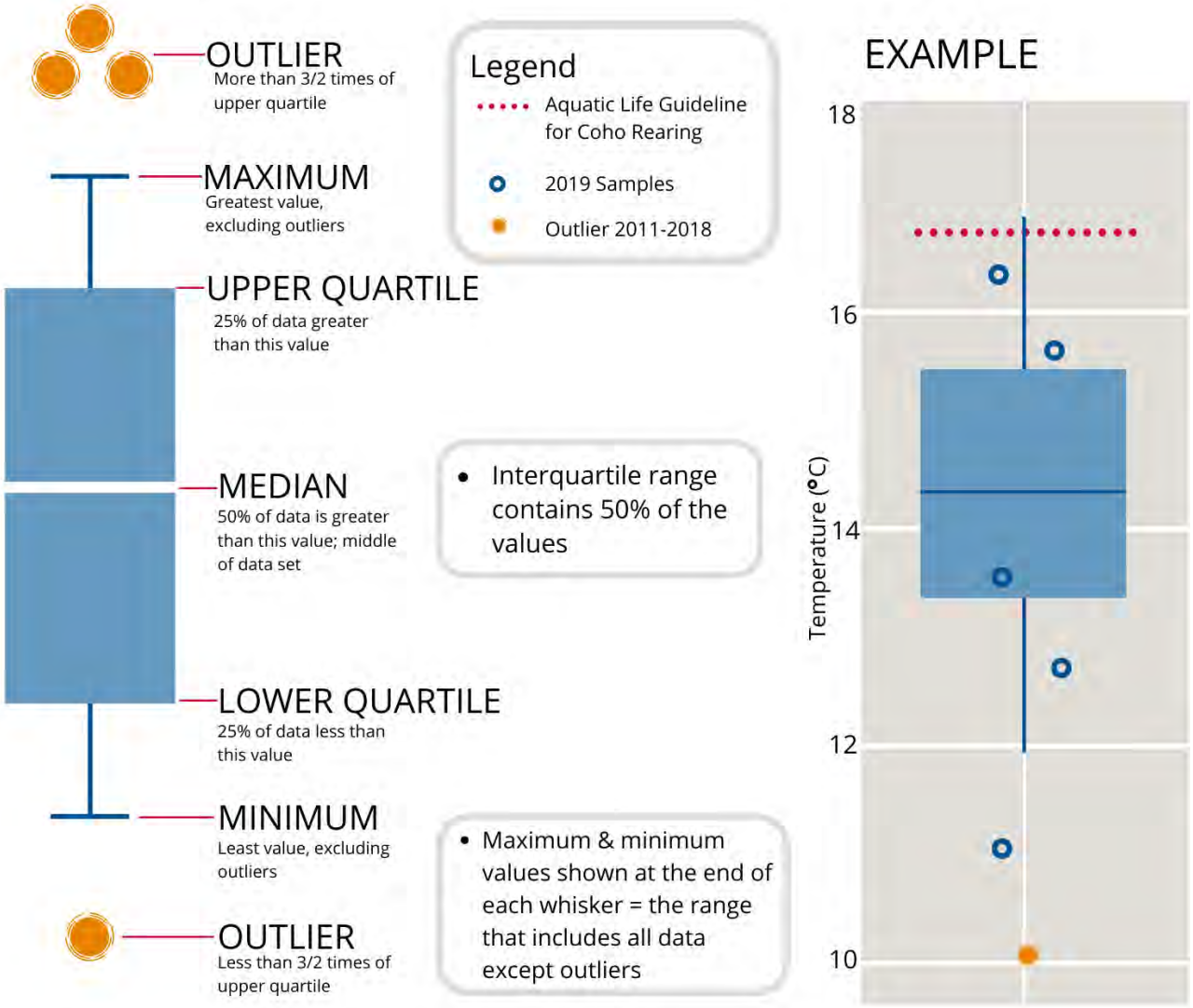
The table below shows the sites monitored by each of the streamkeeper organizations, as well as the number of years and which years a site was sampled. The number of years is important to keep in mind when interpreting the box plots as the plot for each site may contain a slightly different temporal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

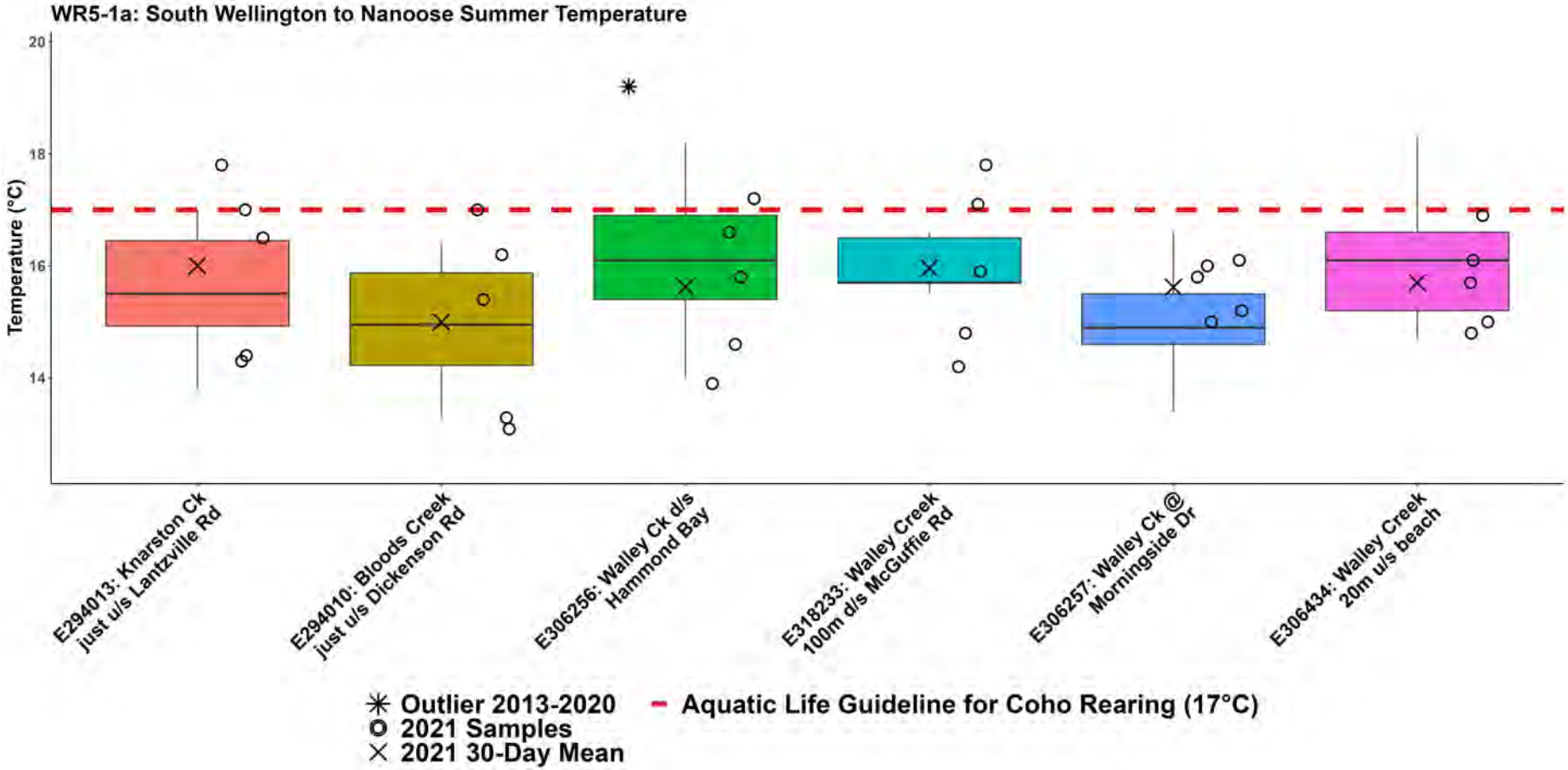
Group	EMS ID	Geographic Description	Years Sampled	Years Monitored
LSk	E294010	Bloods Creek just u/s Dickenson Rd	4.5	2017 – present*
LSk	E294013	Knarston Ck just u/s Lantzville Rd	4.5	2017 – present*
DCS	E290469	Departure Ck @ Neyland Rd (Stn1)	10	2012 – present
DCS	E290470	Josephs Ck (Dept Ck trib) off Newton (Stn 2)	10	2012 – present
DCS	E290471	Departure Ck in Woodstream Park (Stn 3)	10	2012 – present
DCS	E290472	Departure Ck @ outlet (Stn 4)	10	2012 – present
DCS	E290473	Cottle Creek @ Nottingham	10	2012 – present
DCS	E309186	Cottle Creek d/s of Hammond Bay Road	5	2017 – present
DCS	E290475	Cottle Creek @ Stephenson Pt Rd	10	2012 – present
WCS	E306256	Walley Ck d/s Hammond Bay	6	2016 – present
WCS	E306257	Walley Ck @ Morningside Dr	6	2016 – present
WCS	E306434	Walley Creek 20m u/s beach	6	2016 – present
WCS	E318233	Walley Ck 100 m d/s McGuffie Rd	2	2019 – present^

**Sampled in 2017 fall period only.*

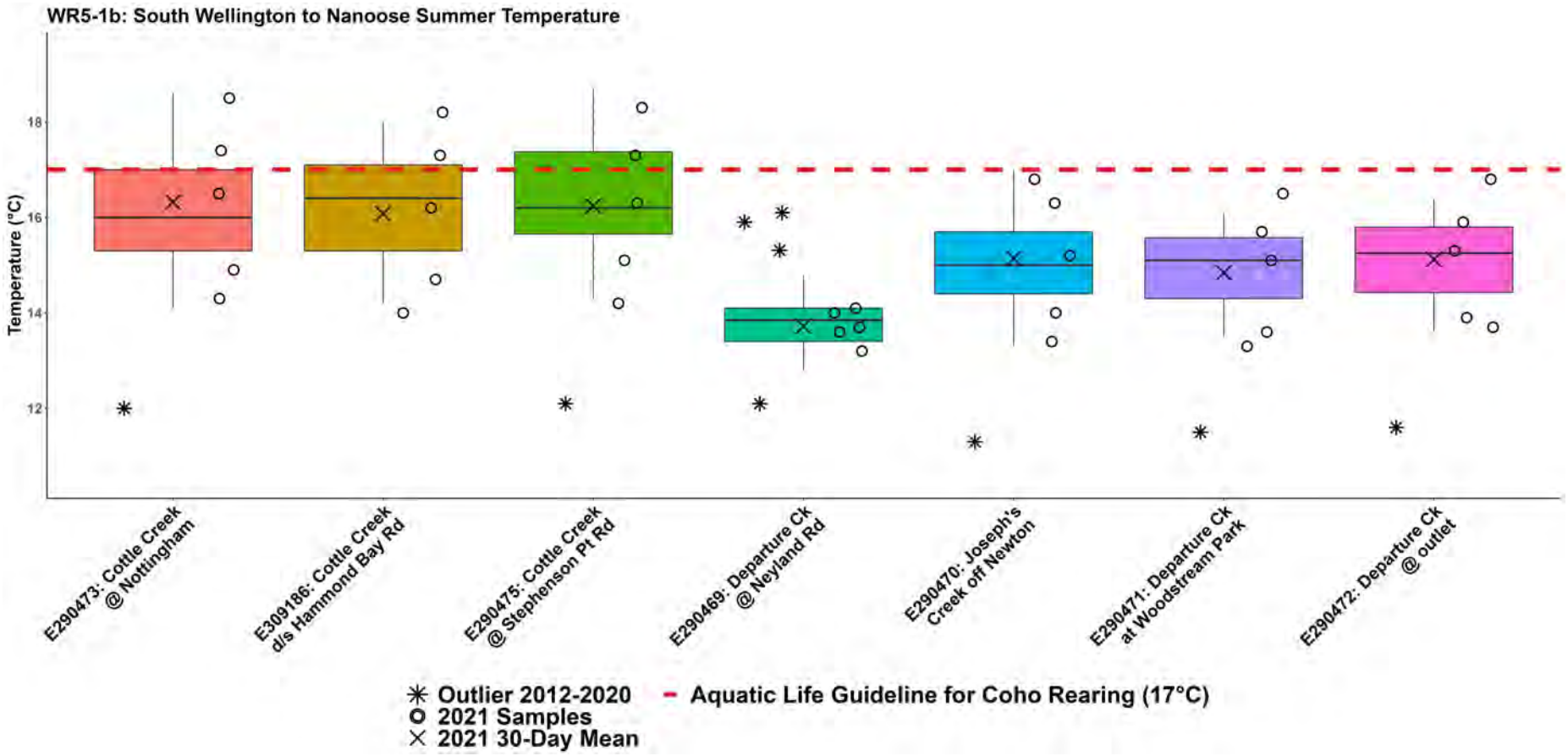
^The number of years sampled do not include 2020 due to construction work at the GNPCC.

How to Interpret a Box Plot:





Created for the RDN's Community Watershed Monitoring Network using 2021 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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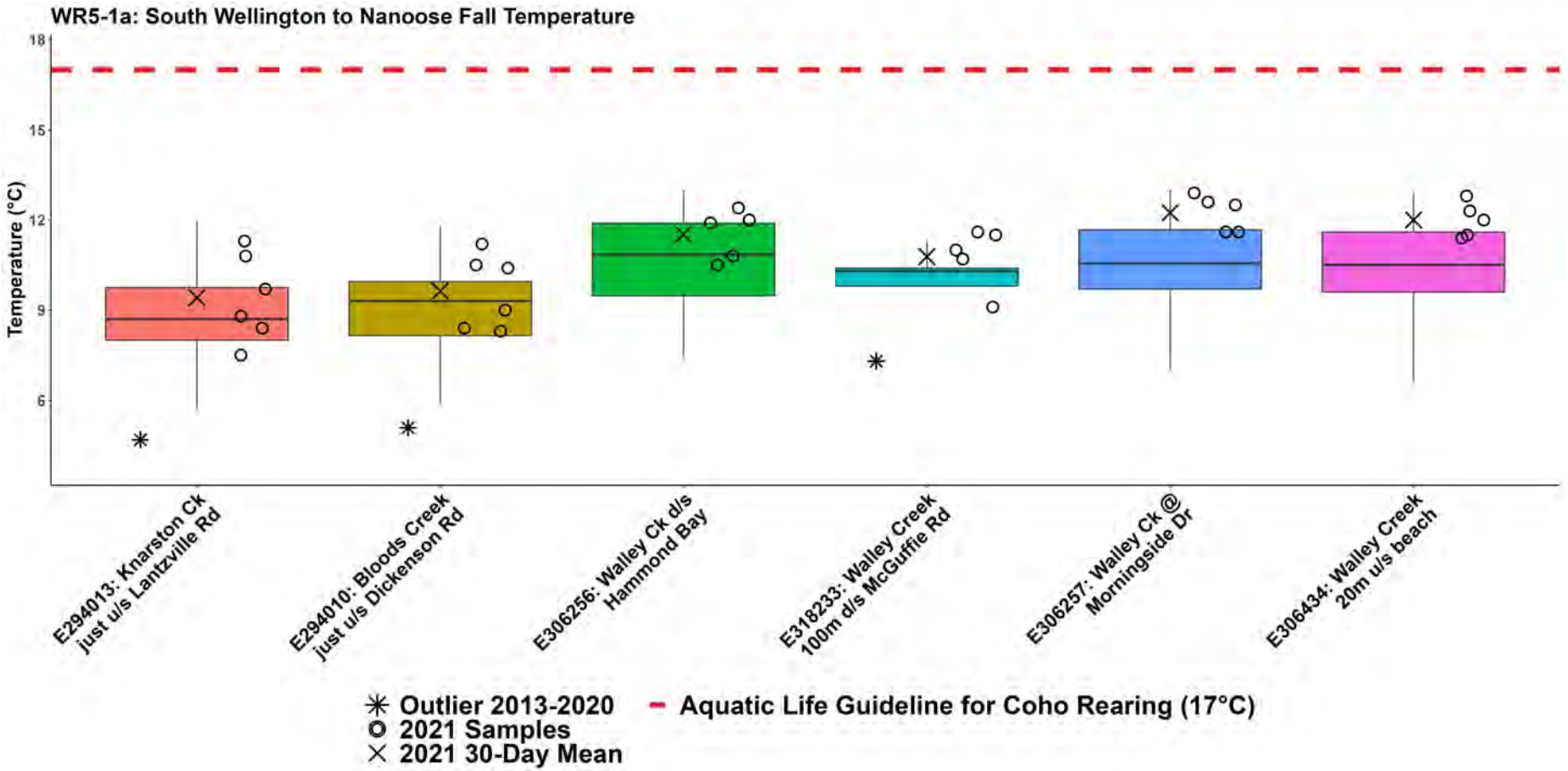

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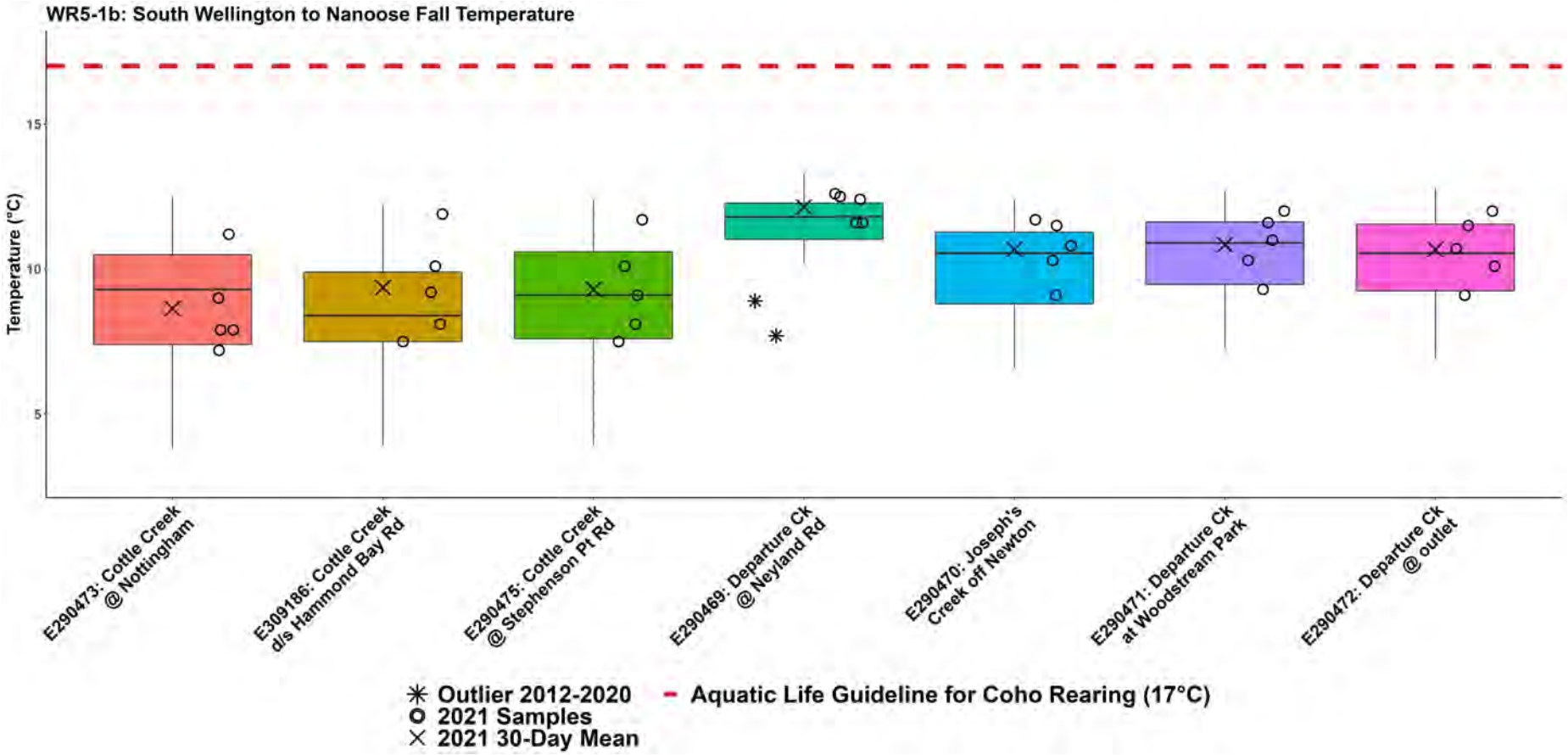

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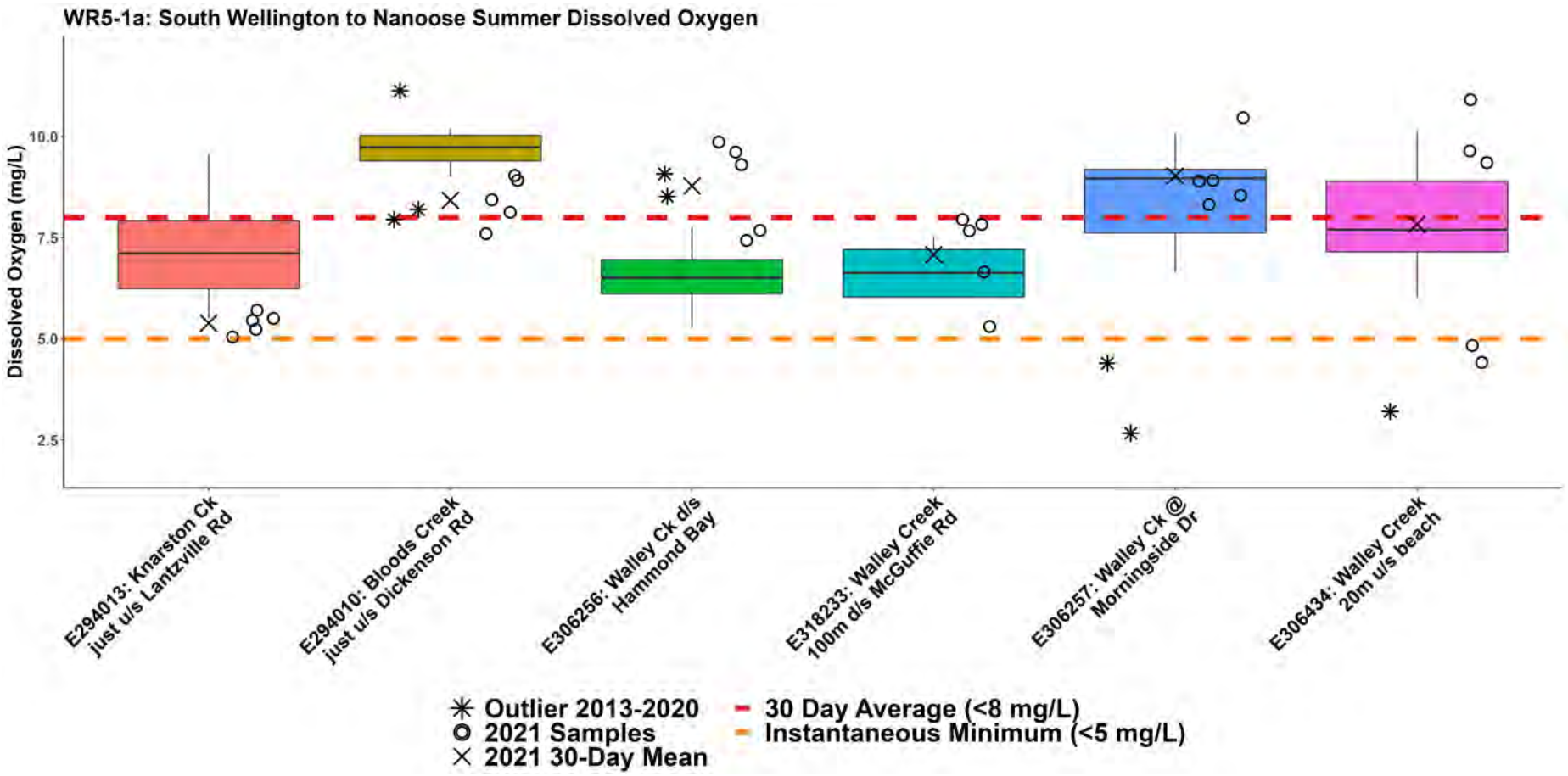

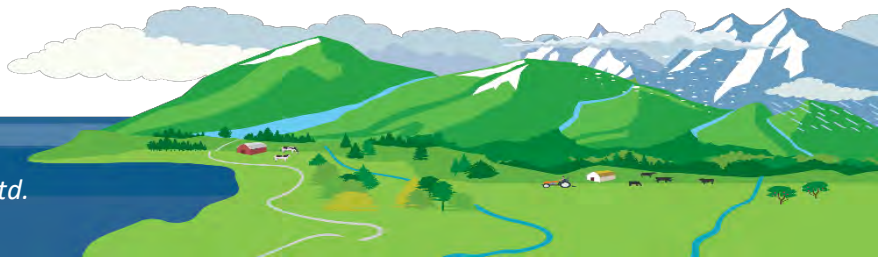

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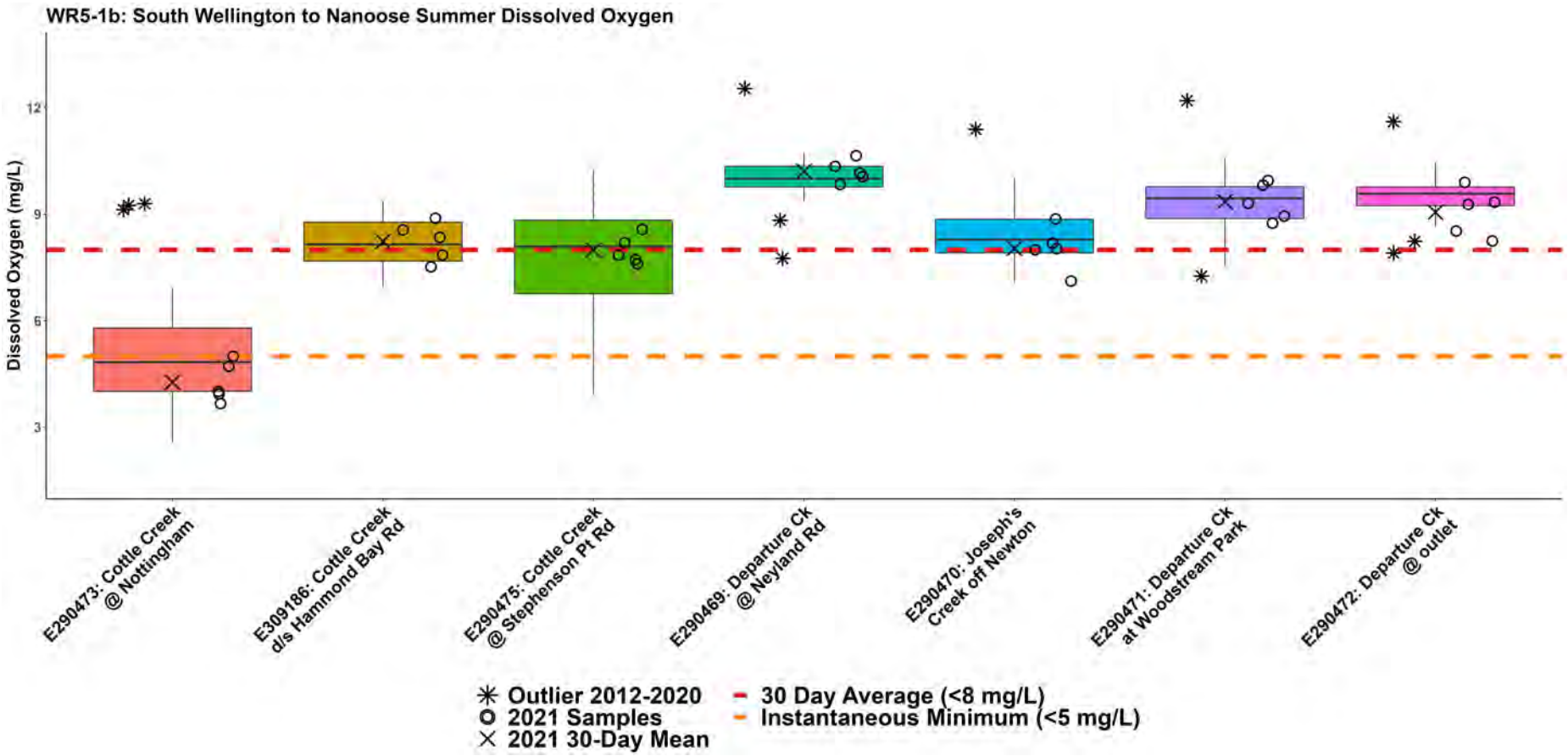

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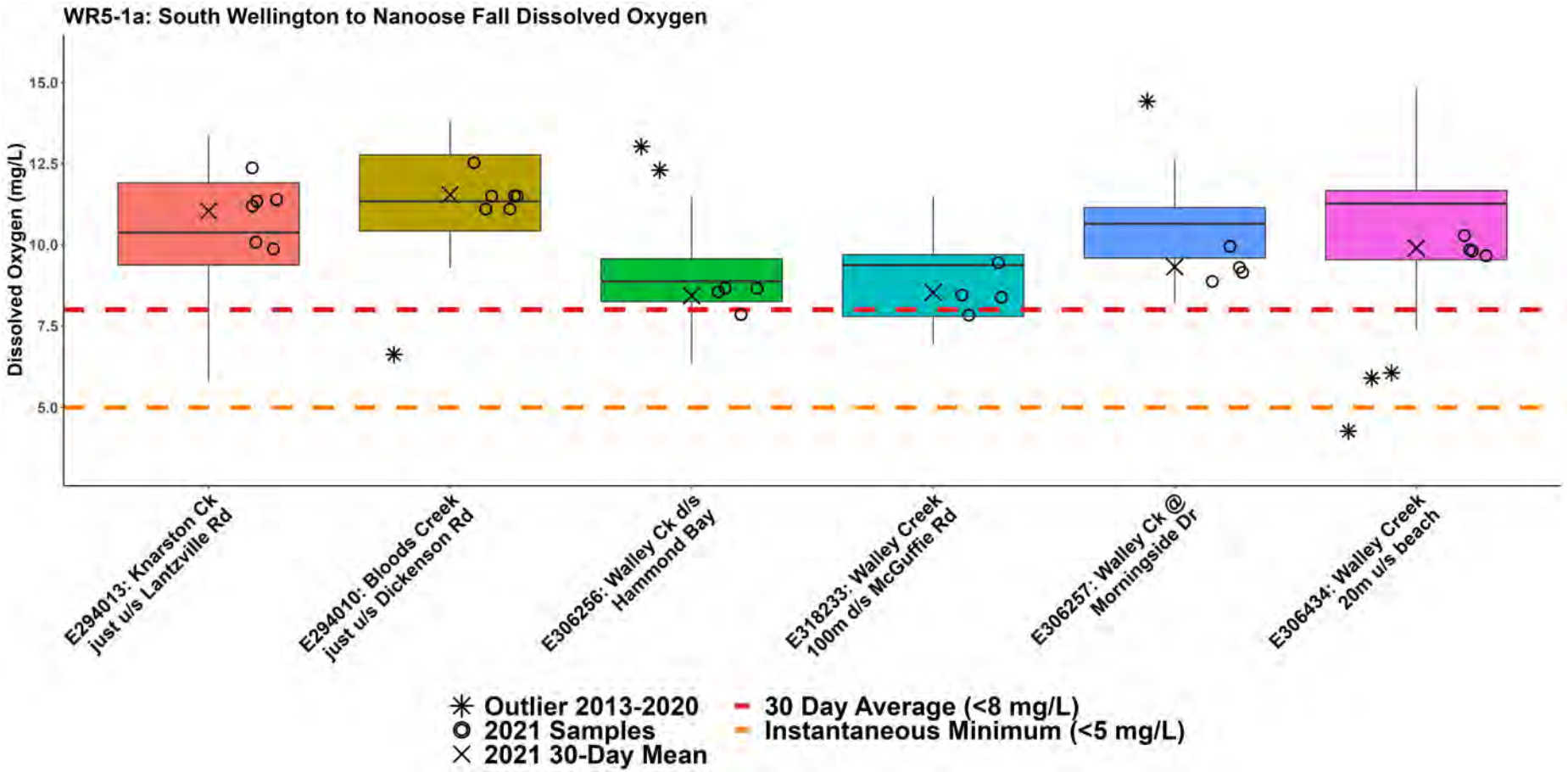

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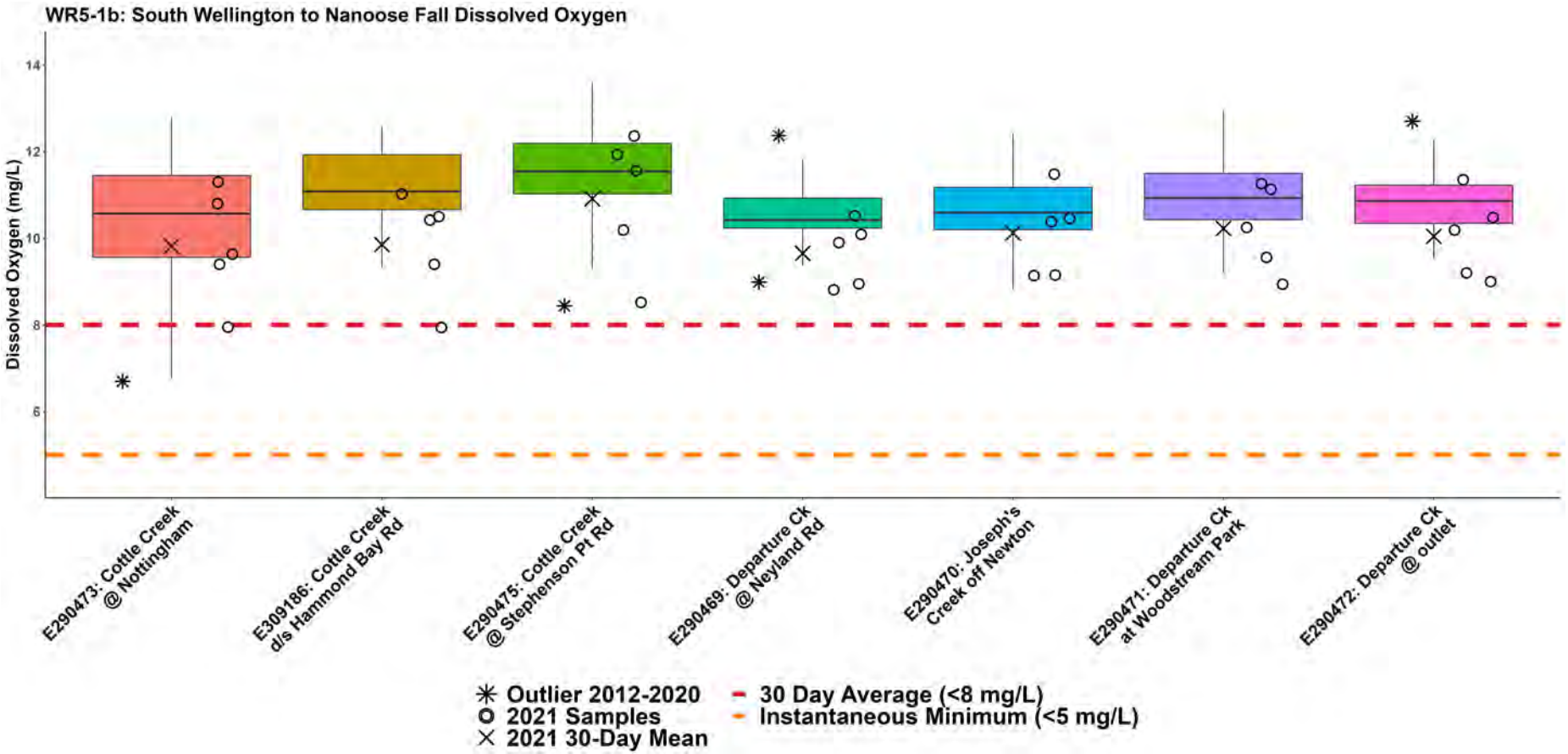

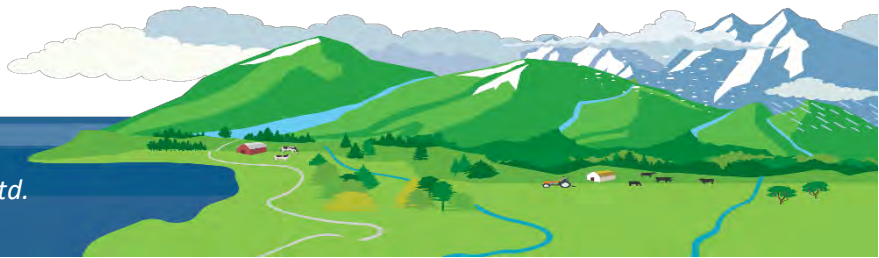

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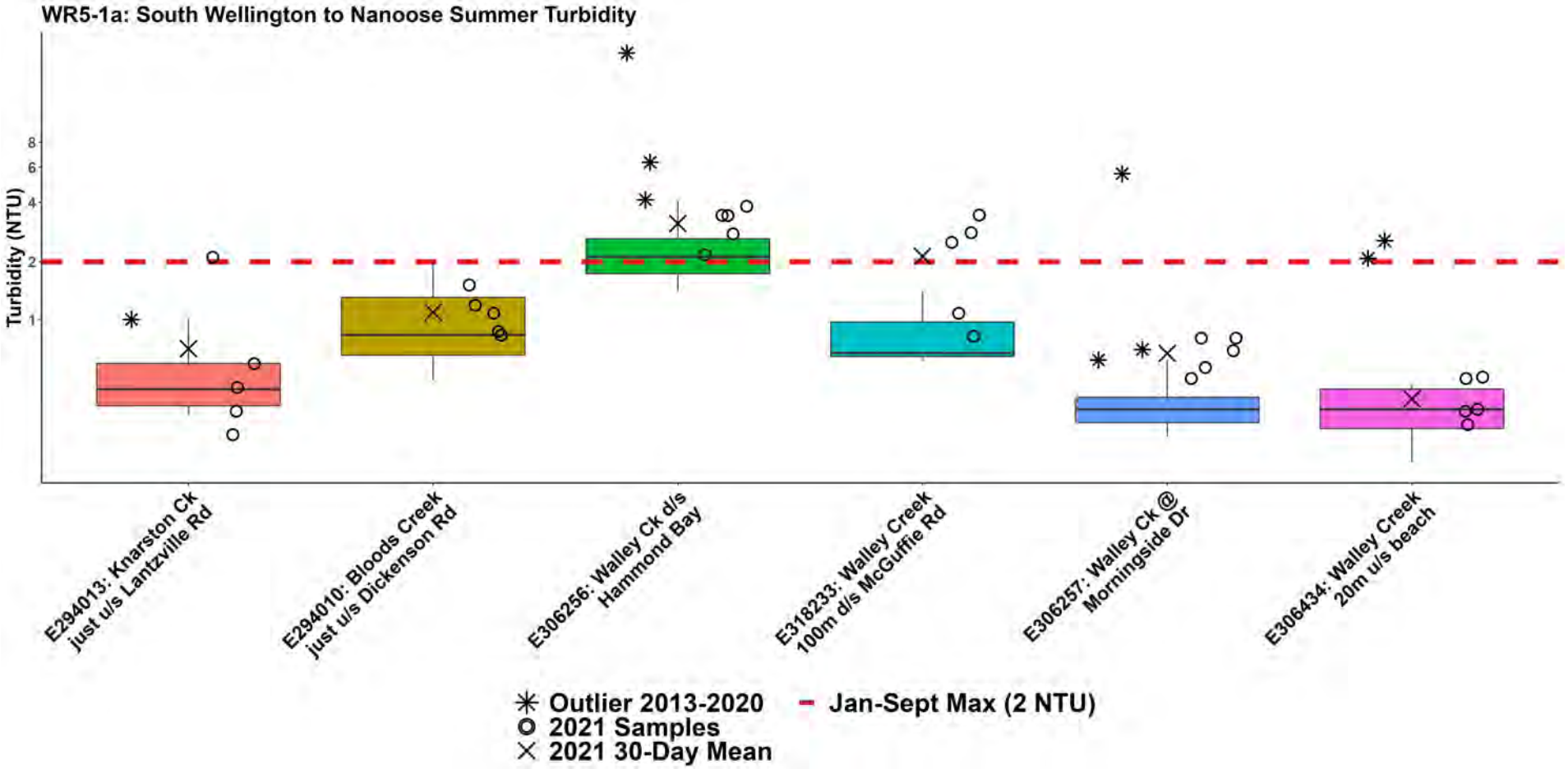

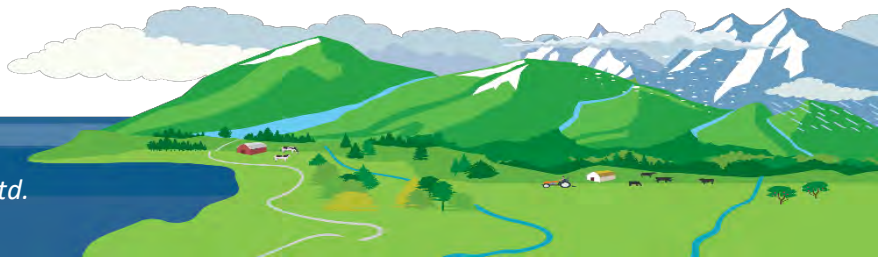

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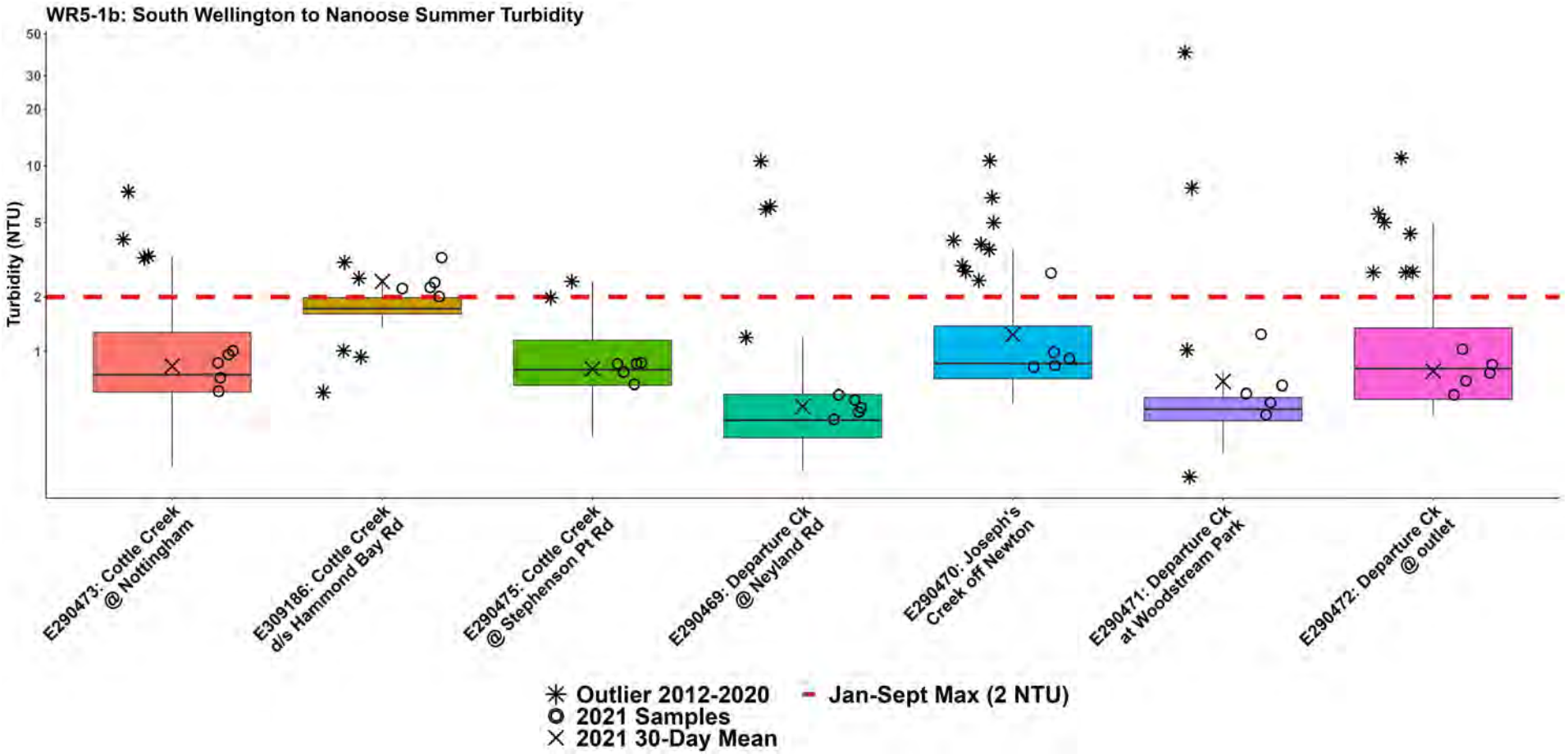

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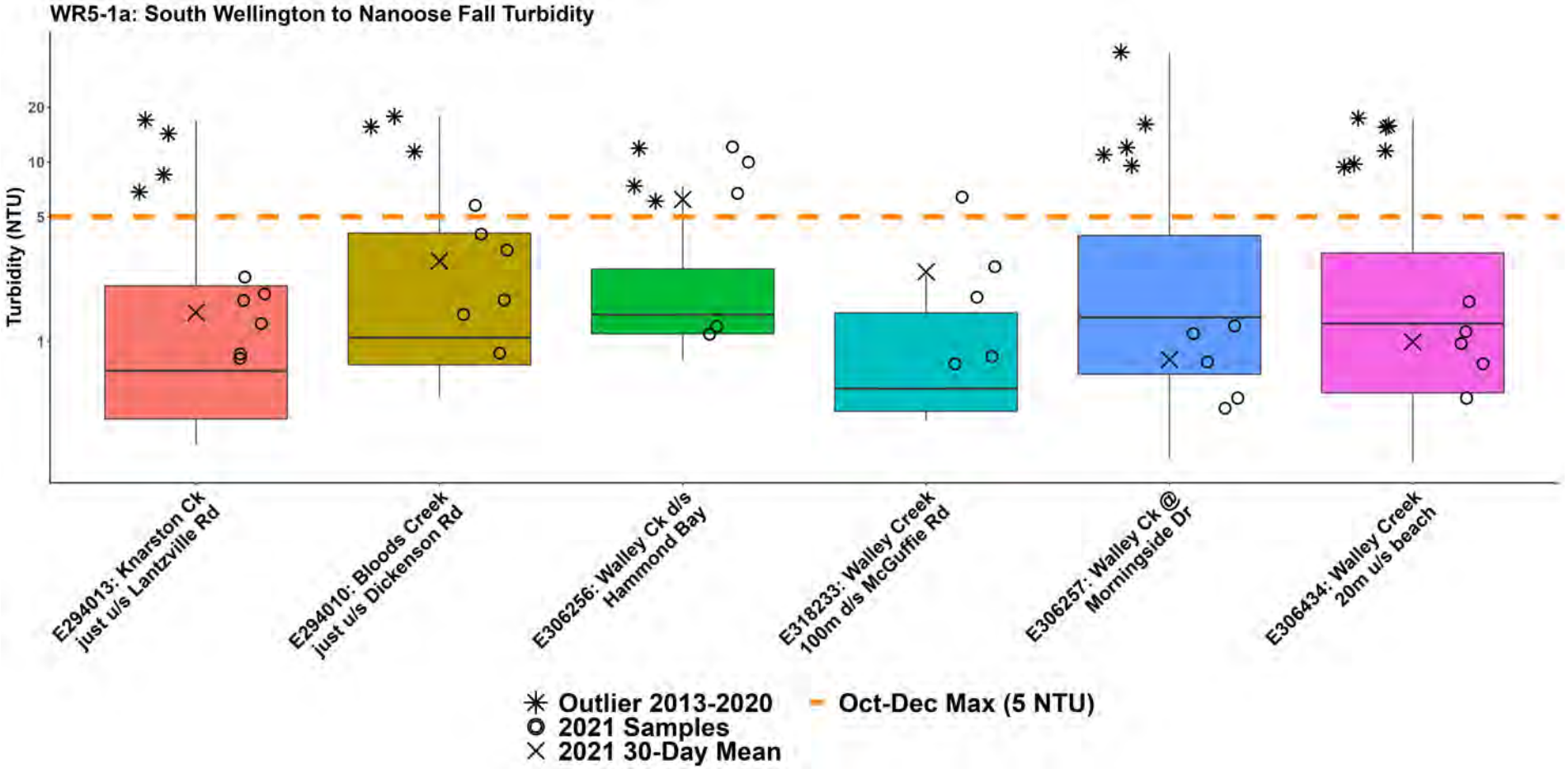

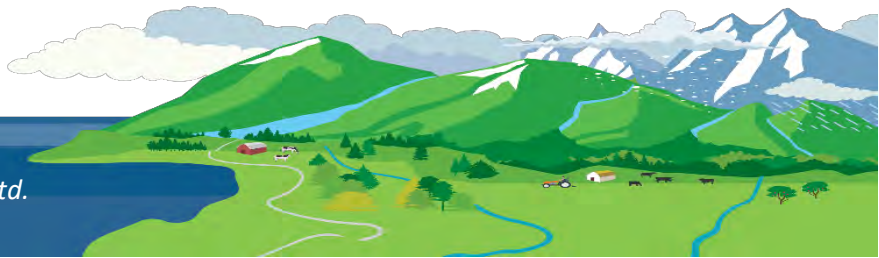

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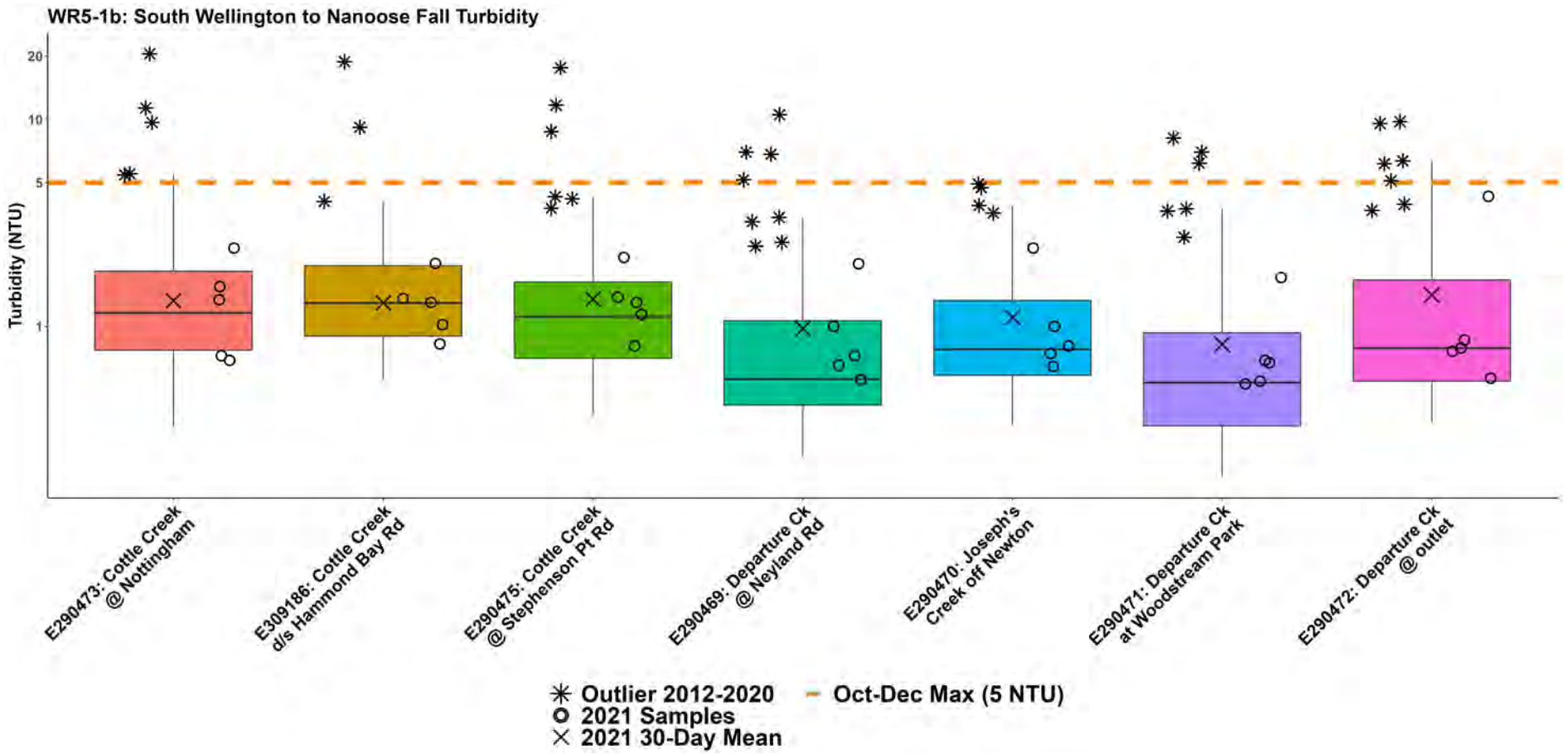

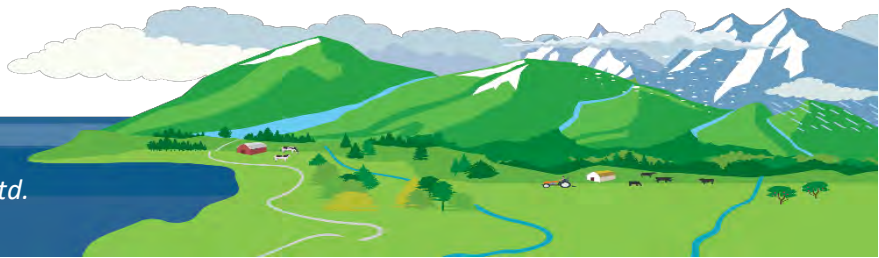

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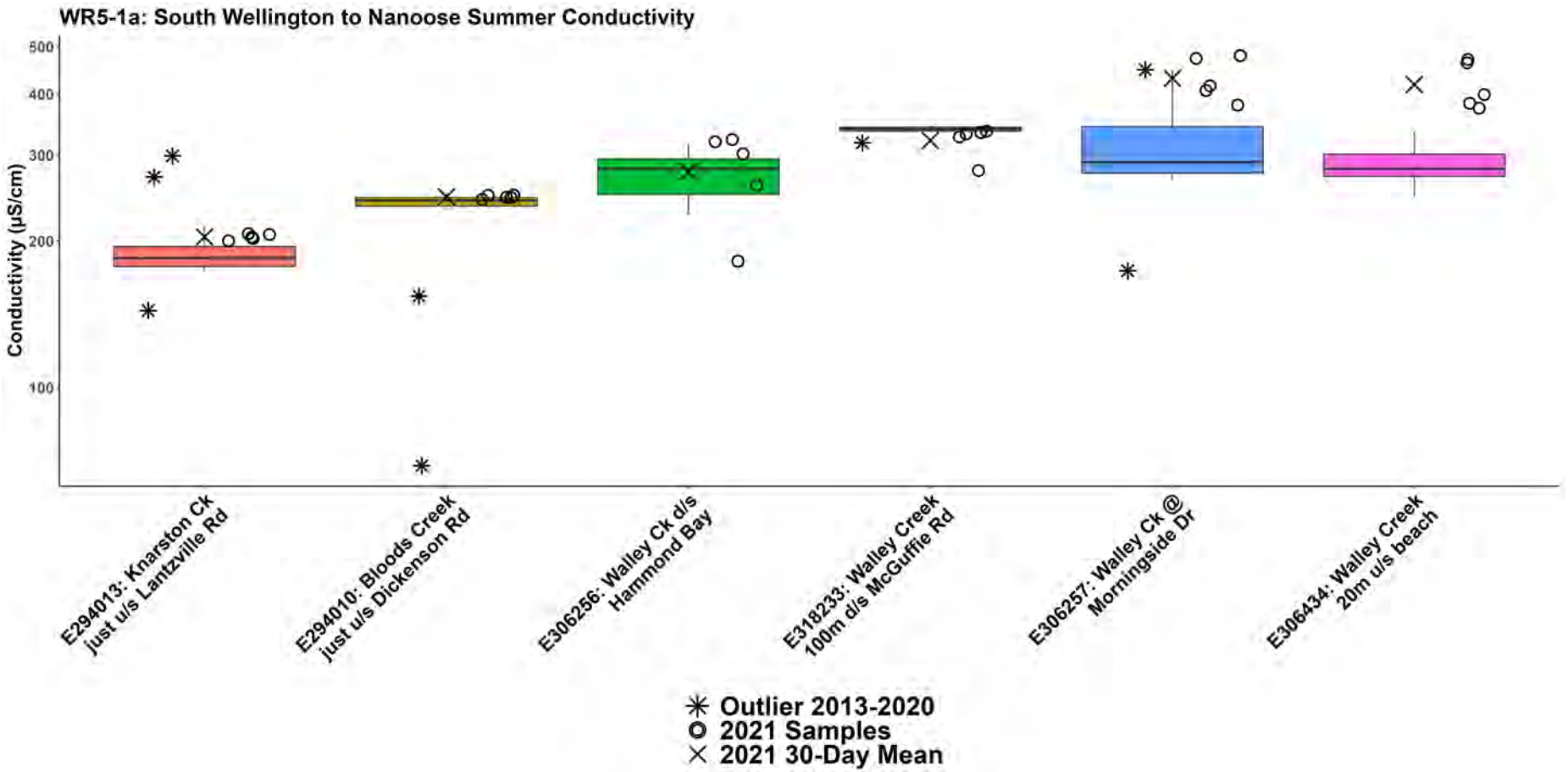

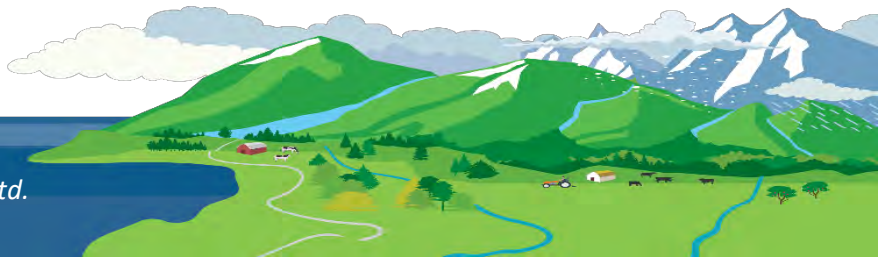

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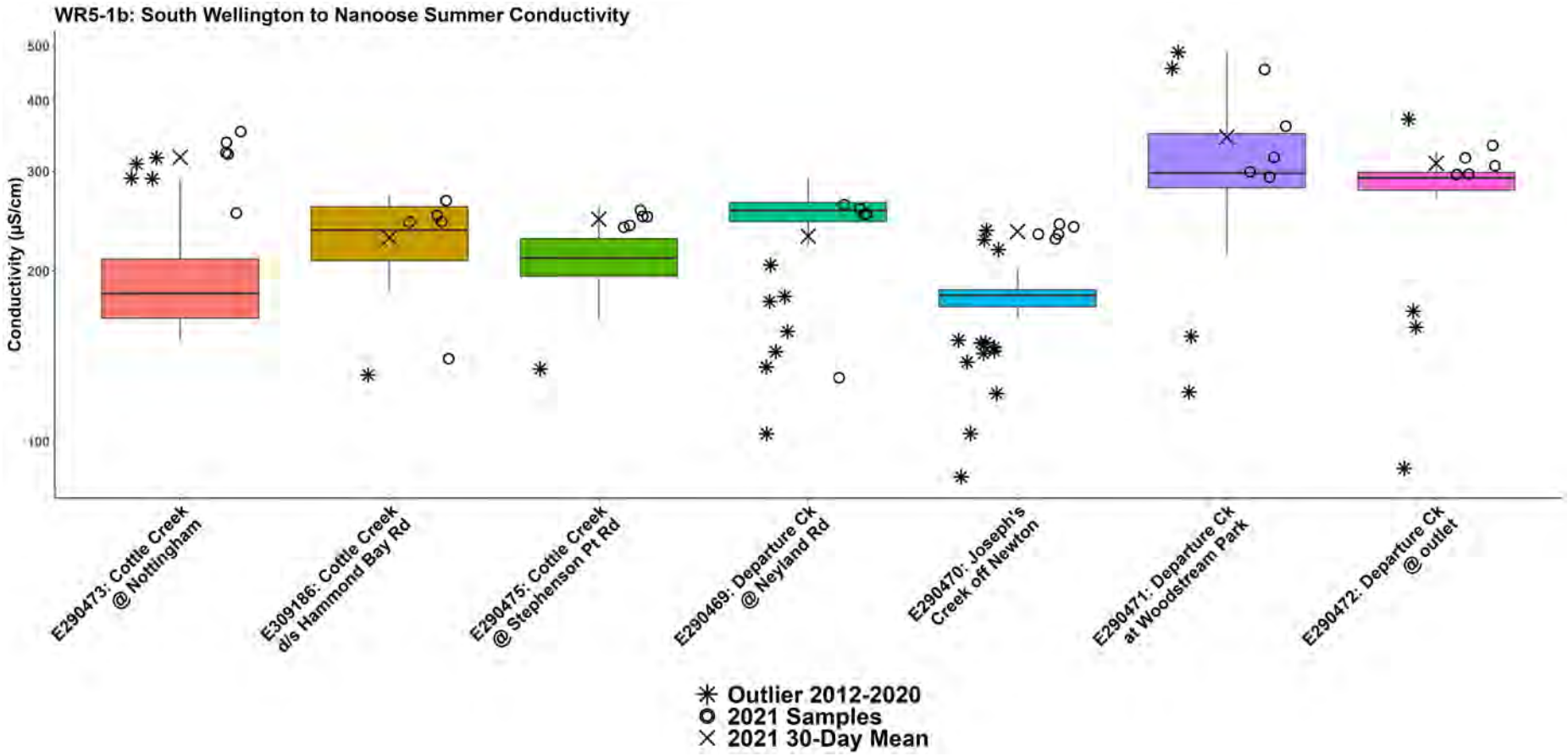
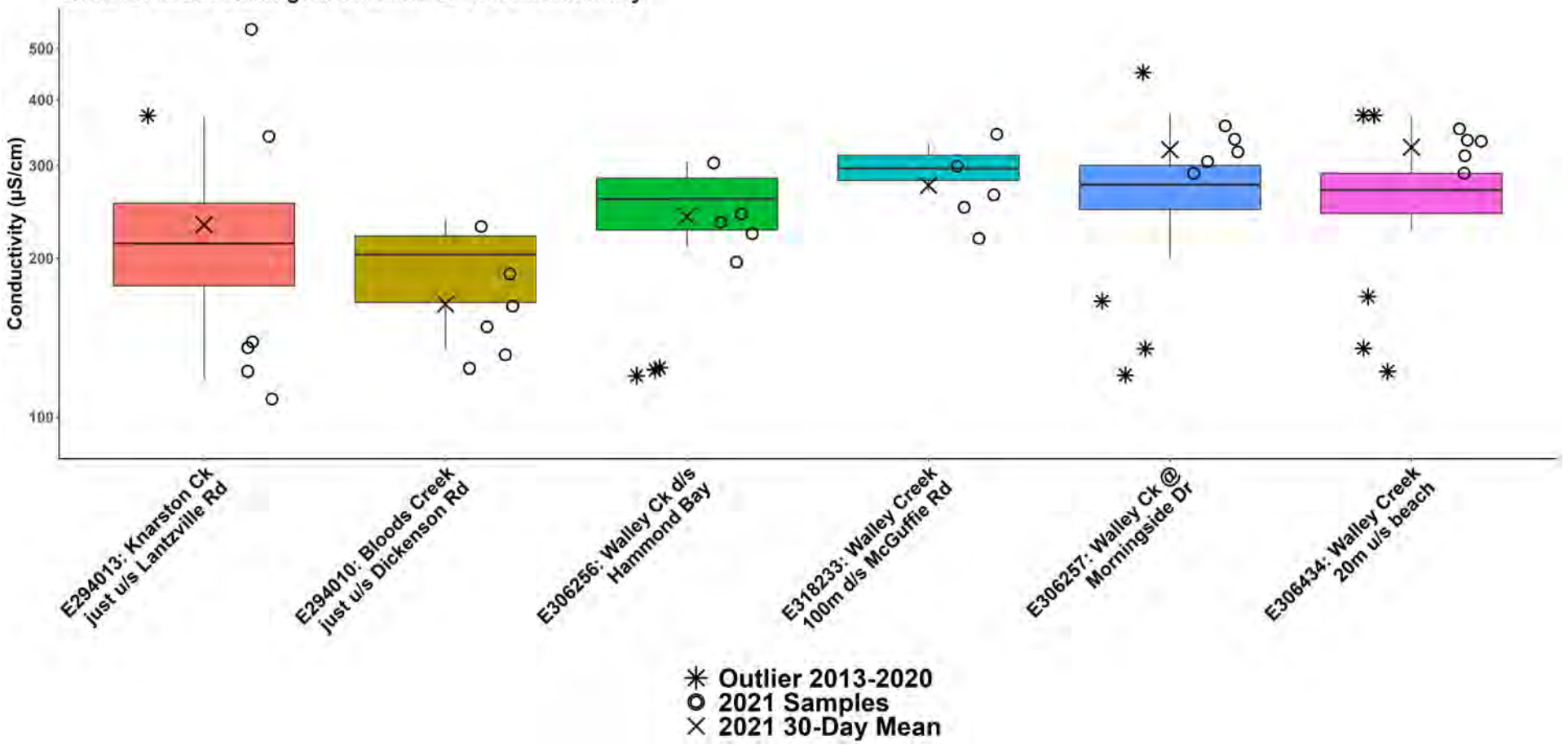
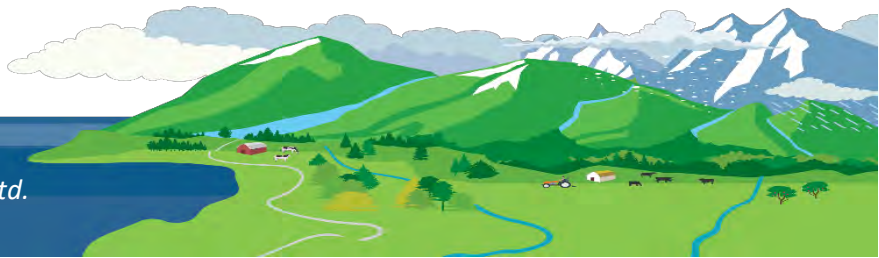

WR5-1b: South Wellington to Nanoose Summer Conductivity
Conductivity (µS/cm)
500
400
300
200
100
E290473: Cottle Creek @ Nottingham
E309186: Cottle Creek d/s Hammond Bay Rd
E290475: Cottle Creek @ Stephenson Pt Rd
E290469: Departure Ck @ Neyland Rd
E290470: Joseph's Creek off Newton
E290471: Departure Ck at Woodstream Park
E290472: Departure Ck @ outlet
Outlier 2012-2020
2021 Samples
2021 30-Day Mean

WR5-1a: South Wellington to Nanoose Fall Conductivity





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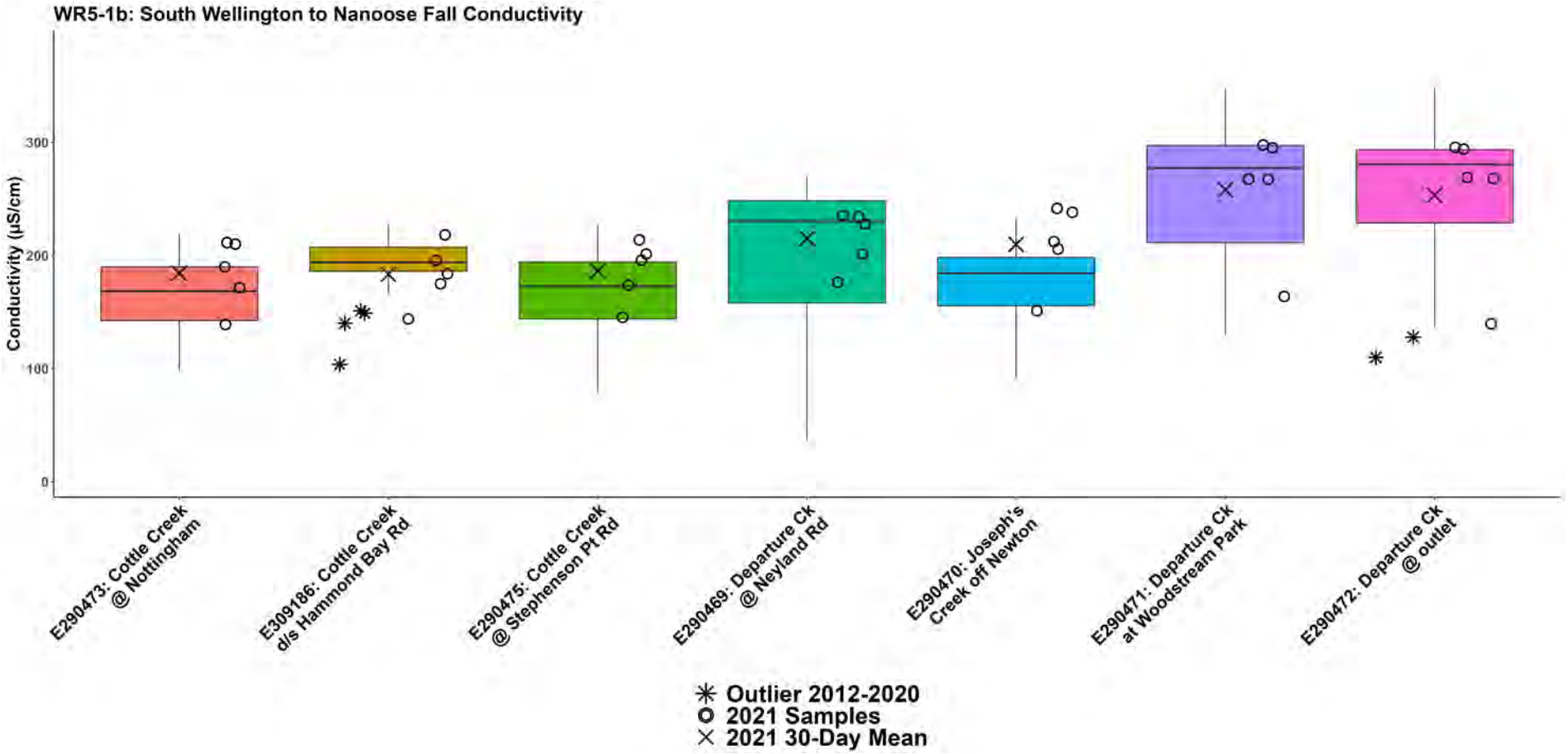

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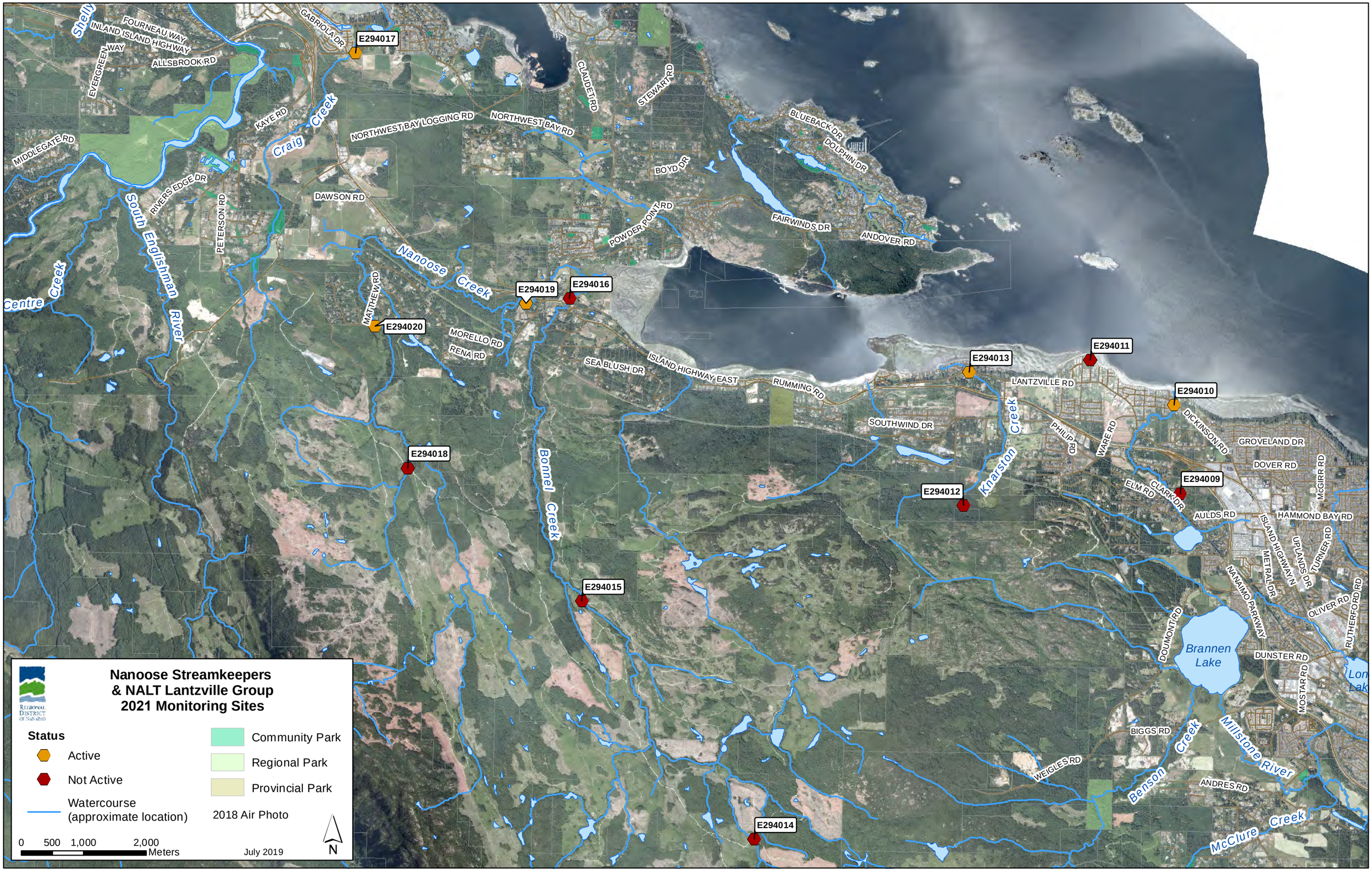
E294017
E294016
E294019
E294020
E294018
E294015
E294014
E294013
E294012
E294011
E294010
E294009
GABRIOLA DR
FOURNEAU WAY
INLAND ISLAND HIGHWAY
EVERGREEN WAY
ALLSBROOK RD
KAYE RD
Craig Creek
NORTHWEST BAY LOGGING RD
NORTHWEST BAY RD
CLAUDET RD
STEWART RD
BLUEBACK DR
DOLPHIN DR
BOYD DR
POWDER POINT RD
FAIRWINDS DR
ANDOVER RD
MIDDLEGATE RD
RIVERS EDGE DR
PETERSON RD
DAWSON RD
South Englishman River
Centre Creek
Nanoose Creek
MATTHEW RD
MORELLO RD
RENA RD
SEA BLUSH DR
ISLAND HIGHWAY EAST
RUMMING RD
SOUTHWIND DR
LANTZVILLE RD
PHILIP RD
WARE RD
DICKINSON RD
GROVELAND DR
DOVER RD
McGIRR RD
ELM RD
CLARK DR
AULDS RD
HAMMOND BAY RD
ISLAND HIGHWAY N
METRAL DR
UPLANDS DR
TURNER RD
NANAIMO PARKWAY
OLIVER RD
RUTHERFORD RD
DOUMONT RD
Brannen Lake
DUNSTER RD
MOSTAR RD
BIGGS RD
WEIGLES RD
Benson Creek
Millstone River
ANDRES RD
McClure Creek
Bonnel Creek
Knarston Creek
Nanoose Streamkeepers
& NALT Lantzville Group
2021 Monitoring Sites
Regional District of Nanaimo
Status
Active
Not Active
Watercourse
(approximate location)
Community Park
Regional Park
Provincial Park
2018 Air Photo
0 500 1,000 2,000
Meters
July 2019
N

E290474
E290476
E290473
E309186
E290475
E290469
E290470
E290471
E290472
Cottle Lake
Cottle Creek
Departure Creek
BURMA RD
ARROWSMITH RD
LANDALT RD
LINLEY RD
BRAY RD
SUNNY DR
HAMMOND BAY RD
POLARIS DR
LAGOON RD
SUNDOWN DR
OVERLOOK DR
PLACE RD
OAKRIDGE DR
GLEN OAKS DR
BELAIRE DR
GOLDEN OAKS CRES
BONNIE DR
PLANTA RD
OSPREY LOOKOUT
FALCON DR
ELLIS PL
STEPHENSON POINT RD
GREYHAWK DR
WAVECREST DR
BUDEHAVEN DR
SHEARWATER DR
SERABI PL
CUMBERLAND PL
NOTTINGHAM DR
PRINCE JOHN WAY
ROSE ANN DR
JESTERS WAY
KING RICHARD DR
SHERIFF WAY
KING JOHN WAY
ROBIN HOOD DR
EDGEWOOD DR
POPPLETON RD
BARRINGTON RD
OCEAN PEARL TERR
ROCK CITY RD
TUNNAH RD
OPAL RD
UPLANDS DR
VILLA RD
ADBY RD
SANDRA RD
REYNOLDS RD
MEXICANA RD
SINGLETON RD
GRANITE PARK RD
TELESCOPE TERR
SMUGGLERS HILL DR
DEPARTURE BAY RD
SHERWOOD DR
KEIGHLEY RD
CHARLES ST
NEWTON ST
THOMAS ST
DEERBORNE PL
NEYLAND RD
COUNTRY CLUB DR
McCAULEY DR
COLWOOD RD
GORGE VALE PL
CAPILANO PL
GLEN EAGLE CRES
BAY ST
HALIDAY CRES
FANDELL ST
GLENAYR DR
FAIRBANKS ST
ELK ST
WINGROVE ST
COSGROVE CRES
Departure Creek Streamkeepers
2021 Monitoring Sites
Regional District of Nanaimo
Status
Active
Not Active
Watercourse
(approximate location)
2018 Air Photo
0 100 200 400
Meters
June 2020
N

FILLINGER CRES
HERITAGE DR
BAY SHORE DR
ENTHWHISTLE DR
CARRIAGE DR
VISTA VIEW CRES
BANNING COURT
BELLA VISTA CRES
HINRICH VIEW
FINNERTY CRES
DENFORD PL
NEY DR
LESLIE CRES
WILLIAMSON RD
JACOBS LN
NORTON RD
FOX PL
HAMMOND BAY RD
DUNN PL
HARTWIG CRES
LOGANS RUN
VISTA VIEW CRES
McGUFFIE RD
Walley Creek
E306256
E318233
E306434
E306257
MORNINGSIDE DR
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
AMBIENCE DR
TANYA DR
BURMA RD
POLARIS DR
Walley Creek Streamkeepers
2021 Monitoring Sites
Regional District of Nanaimo
Status
Active
Not Active
Watercourse
(approximate location)
2018 Air Photo
0 85 170 340
Meters
July 2020
N