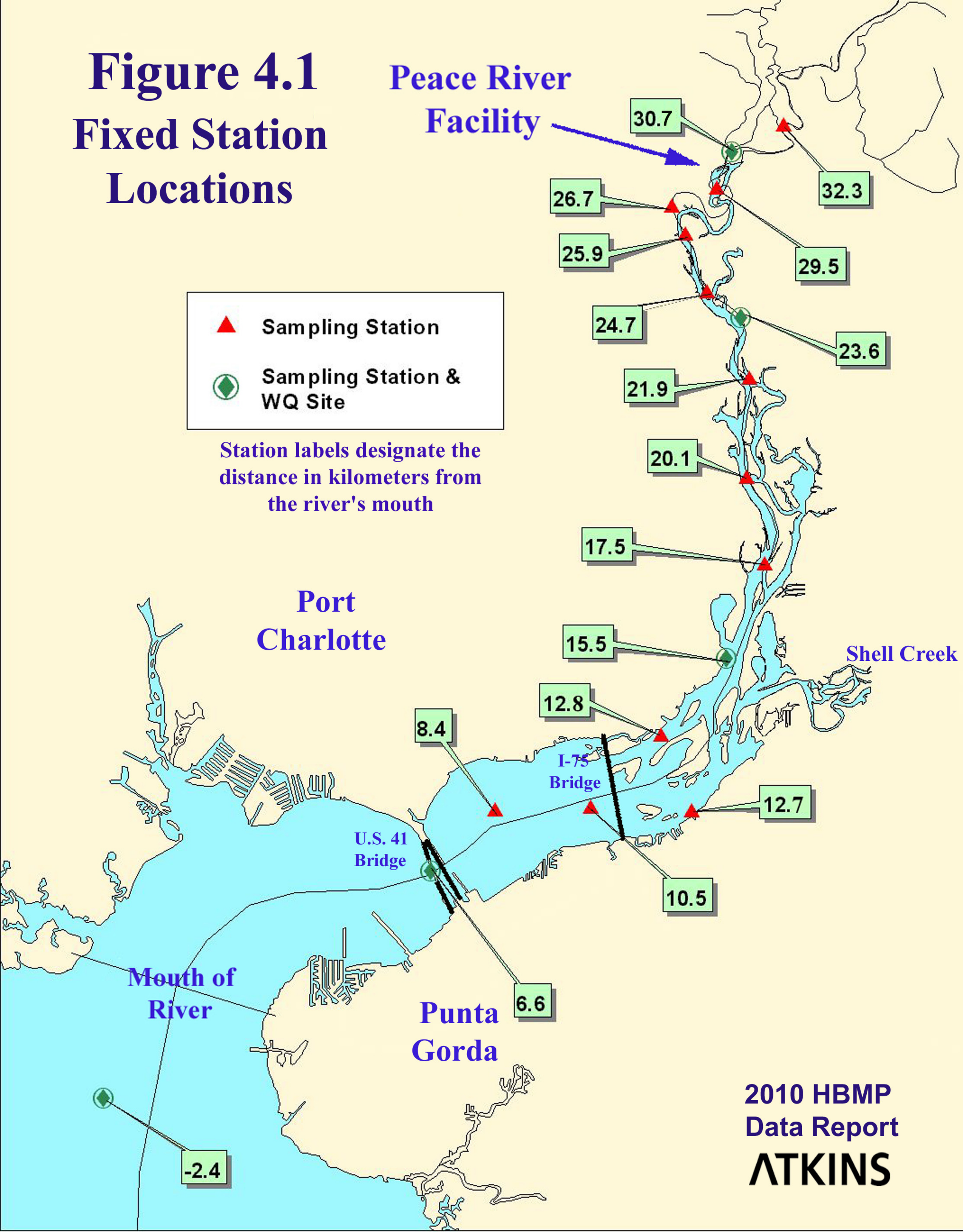
Figure 4.1
Fixed Station Locations



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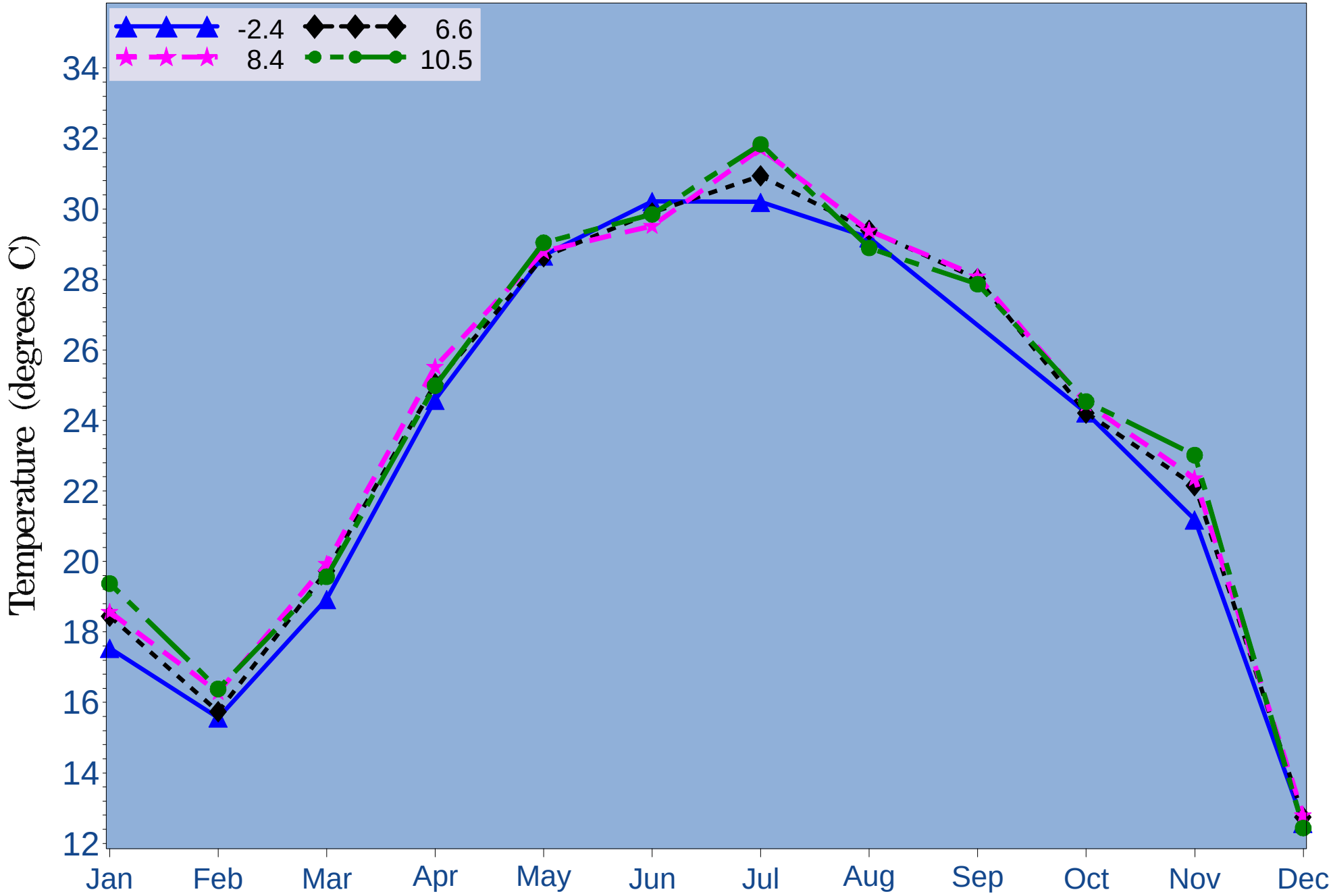


Figure 4.2a 2010 Mean monthly temperature at river kilometers -2.4, 6.6, 8.4 and 10.5

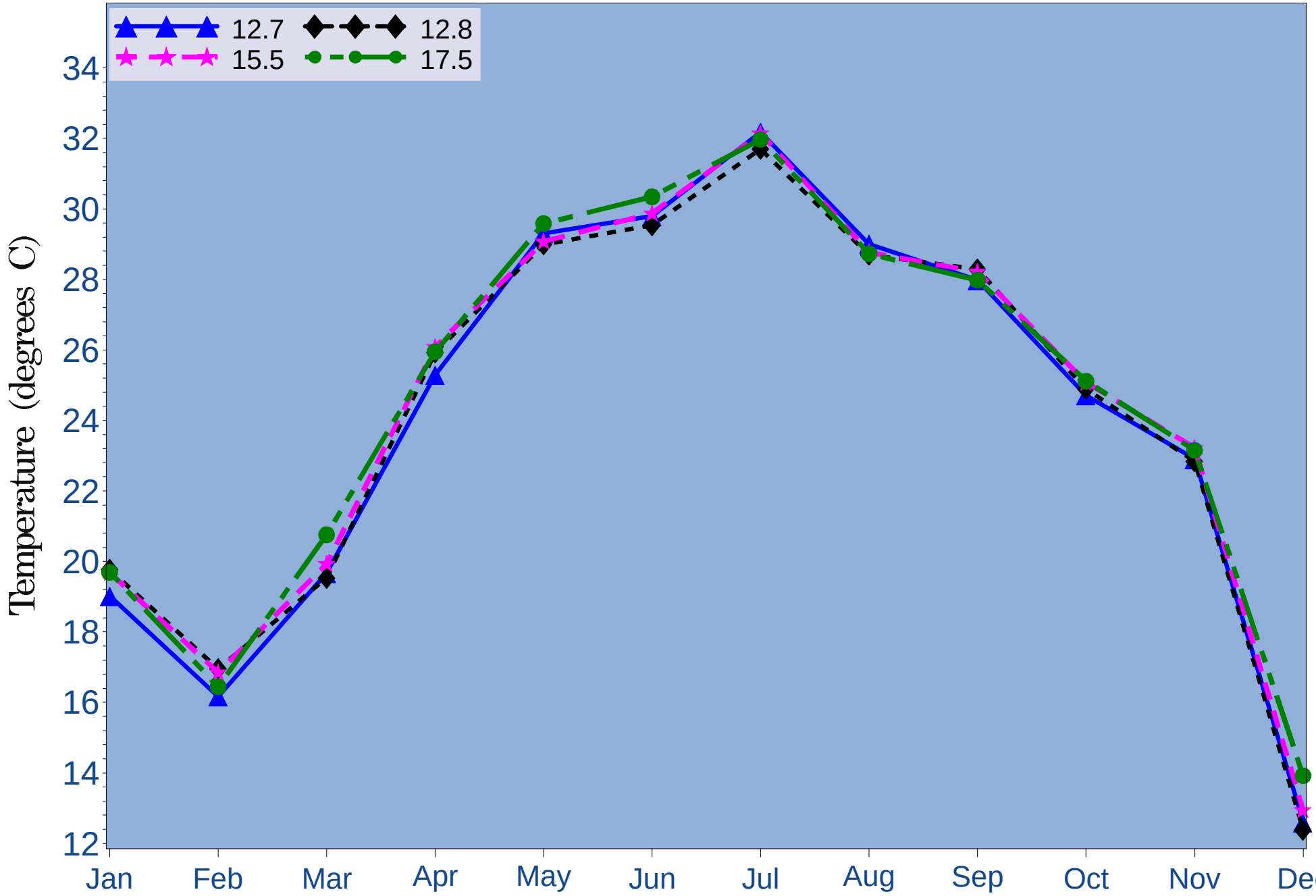


Figure 4.2b 2010 Mean monthly temperature at river kilometers 12.7, 12.8, 15.5 and 17.5

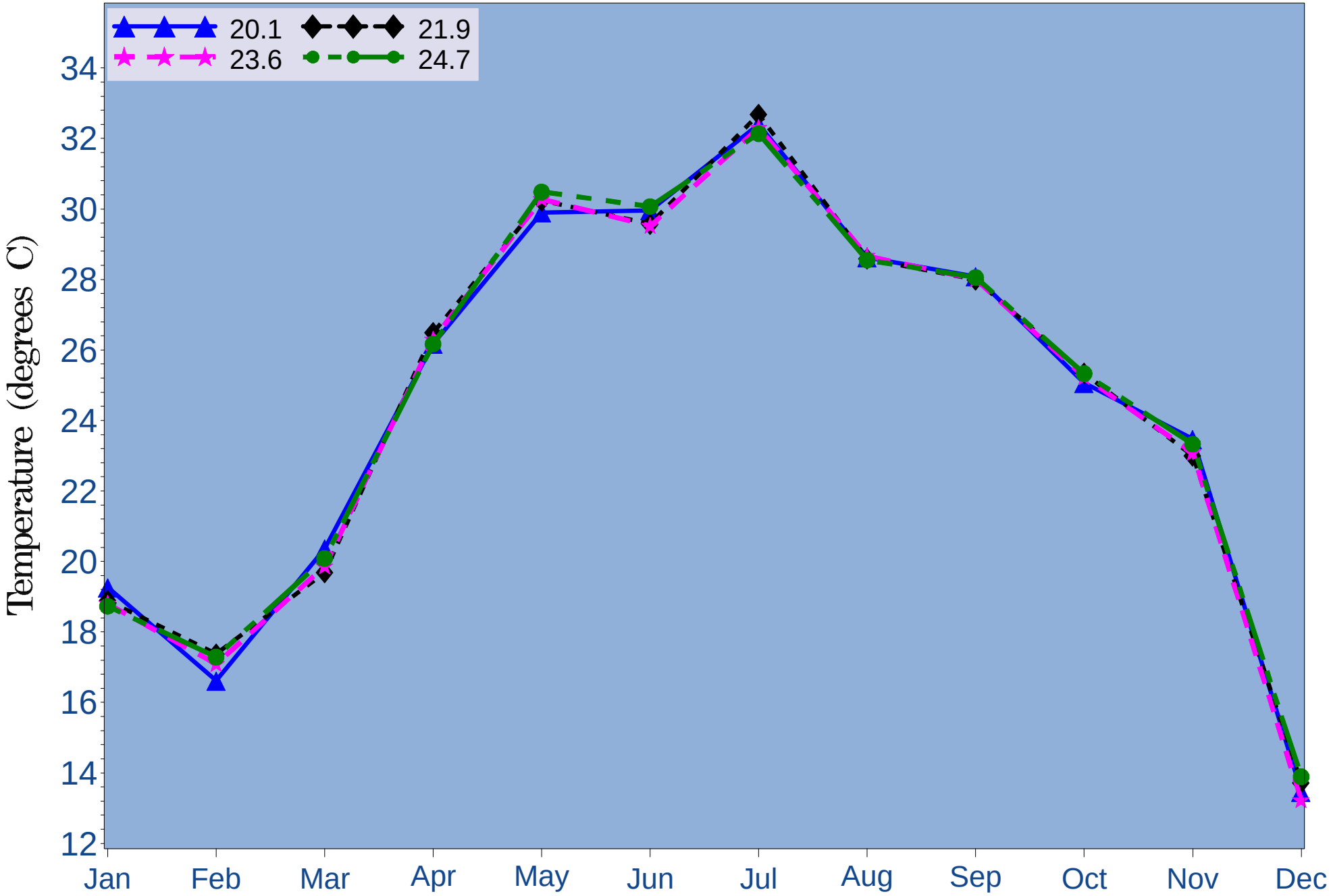


Figure 4.2c 2010 Mean monthly temperature at river kilometers 20.1, 21.9, 23.6 and 24.7

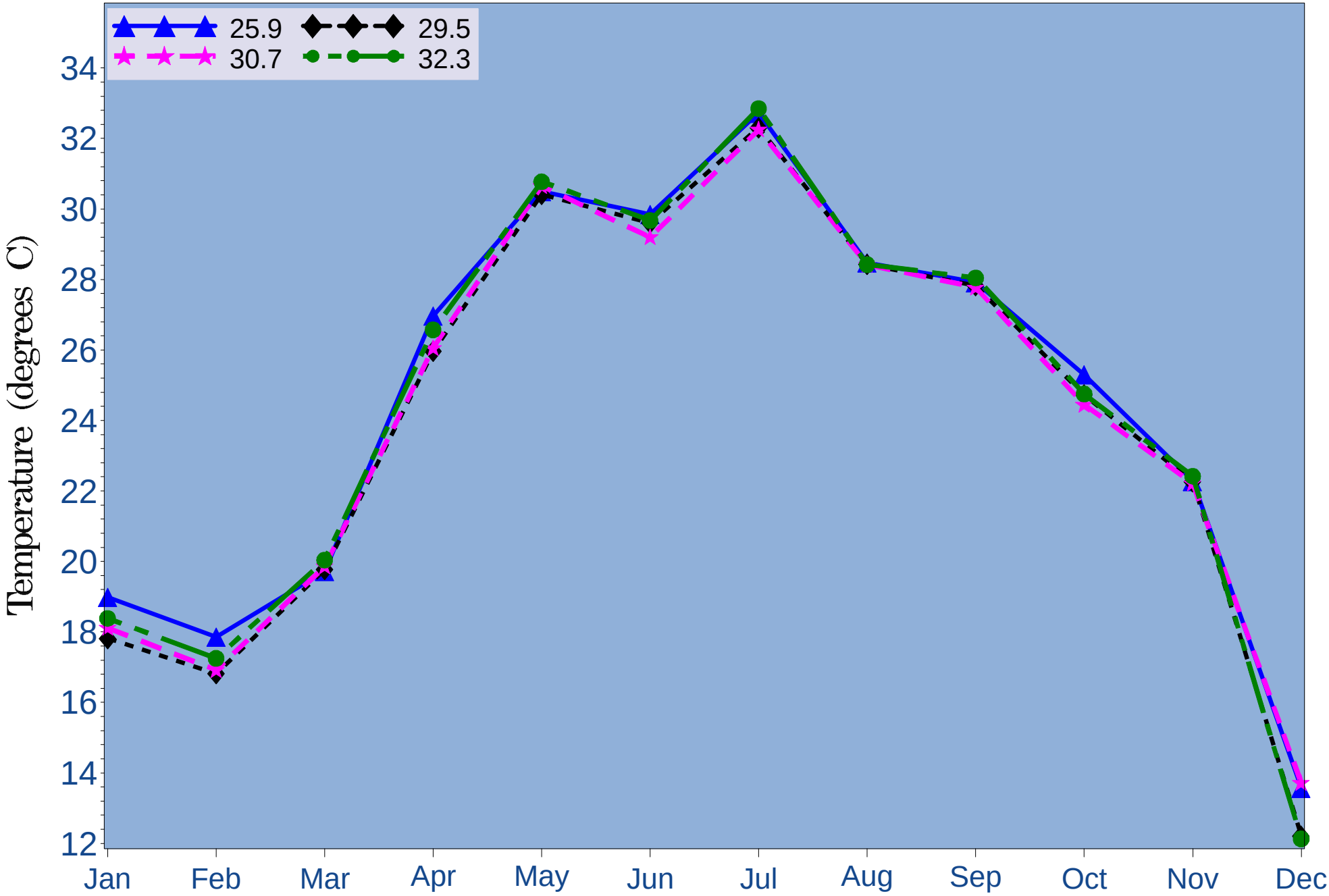


Figure 4.2d 2010 Mean monthly temperature at river kilometers 25.9, 29.5, 30.7 and 32.3

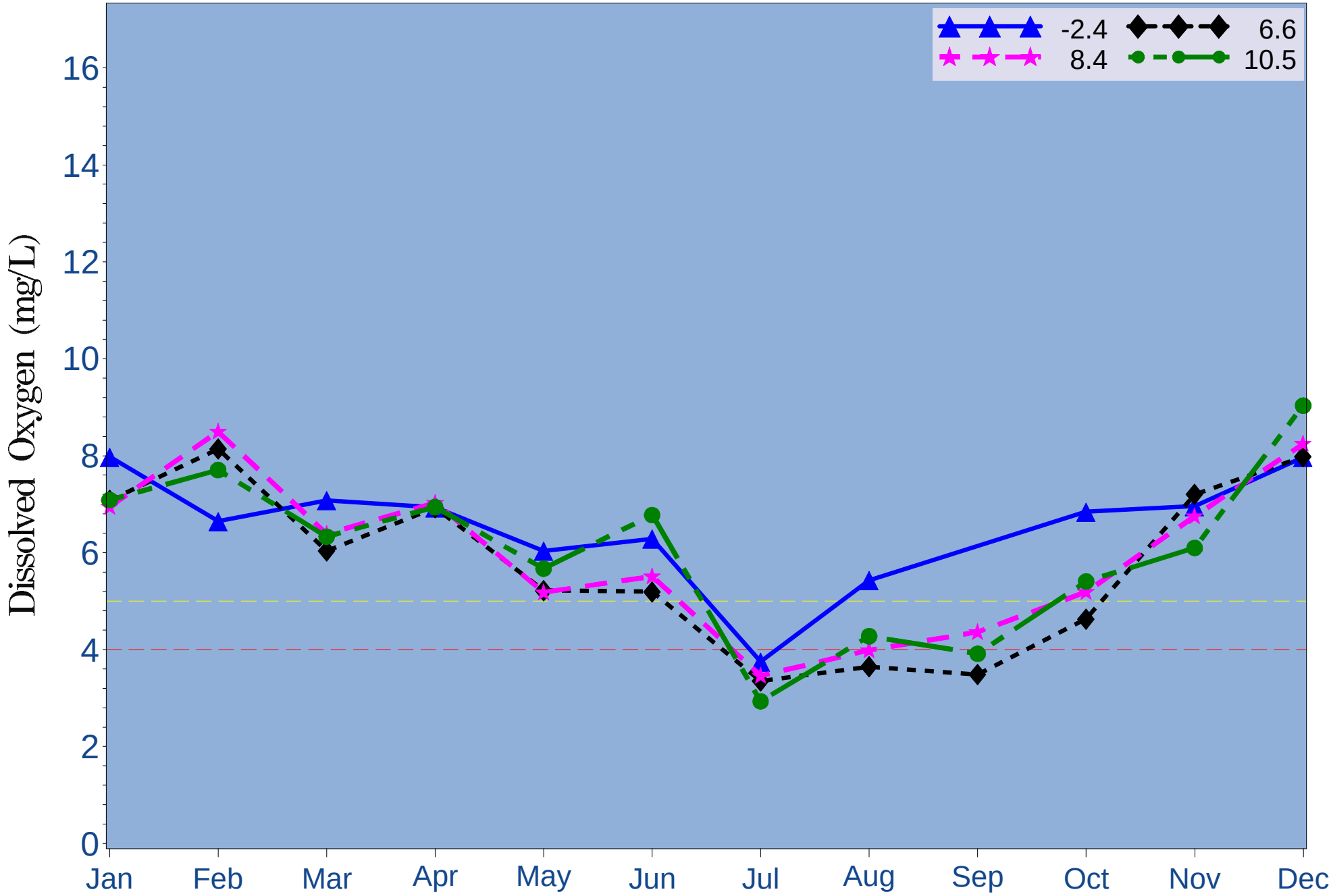


Figure 4.3a 2010 Mean monthly dissolved oxygen at river kilometers -2.4, 6.6, 8.4 and 10.5

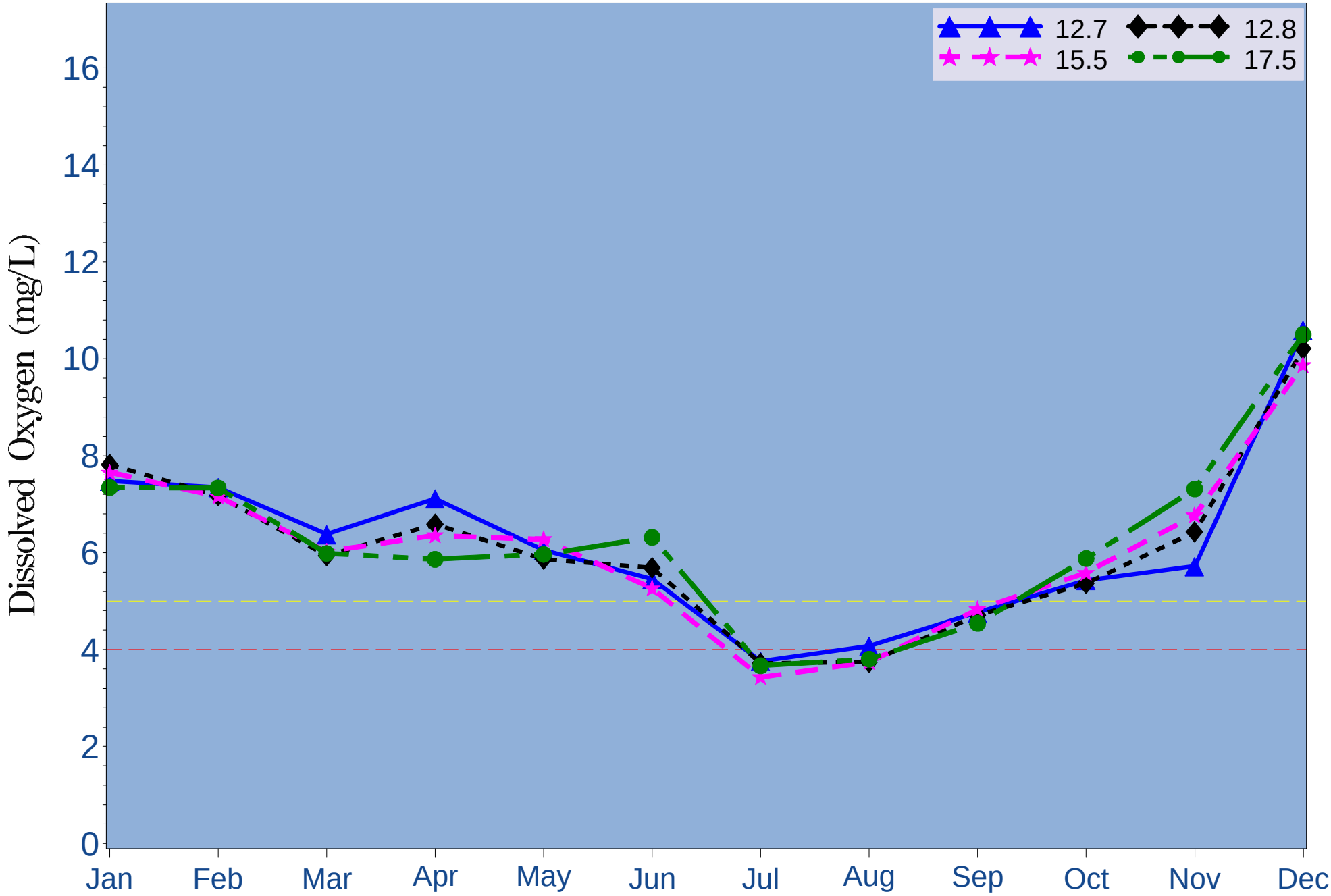


Figure 4.3b 2010 Mean monthly dissolved oxygen at river kilometers 12.7, 12.8, 15.5 and 17.5

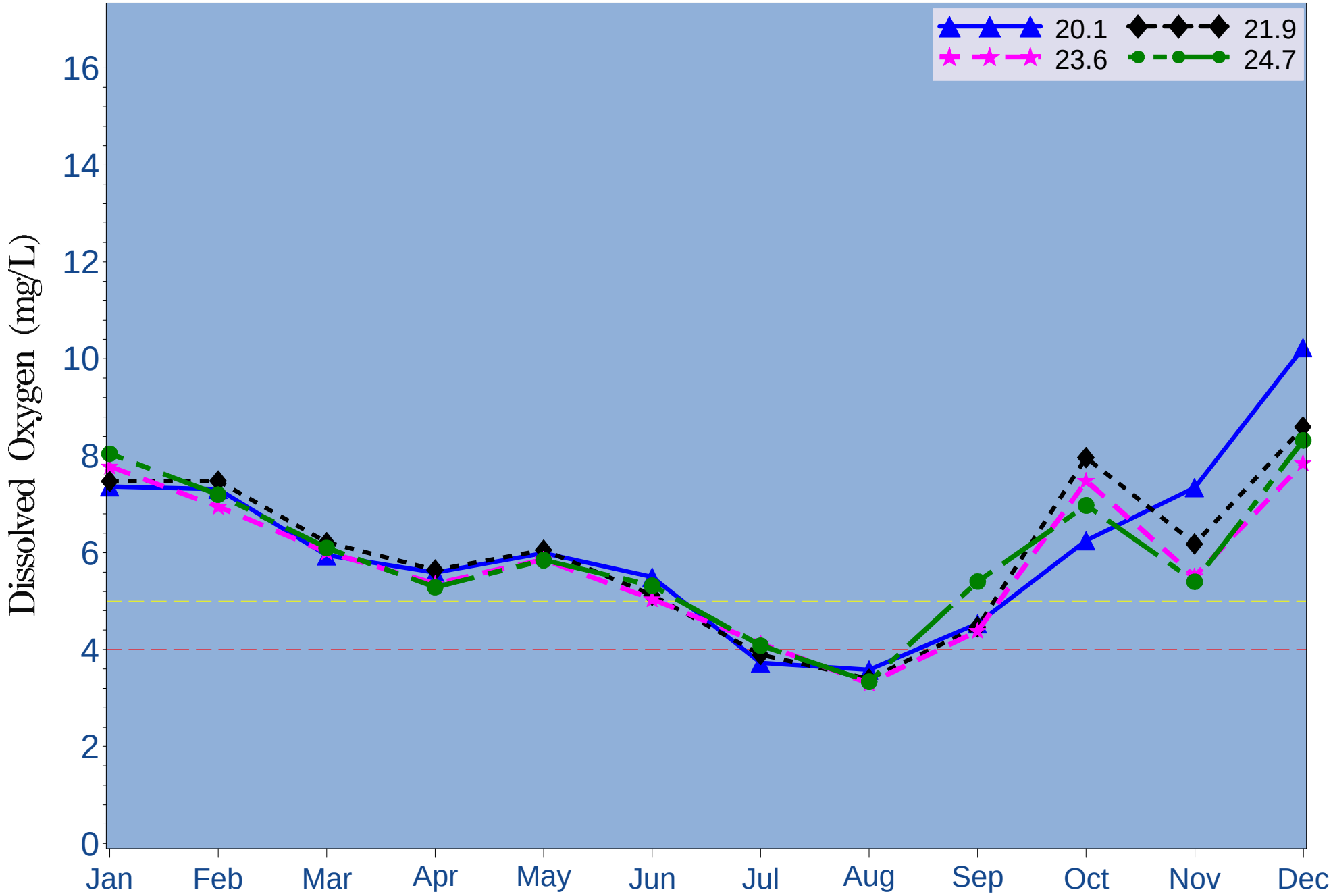


Figure 4.3c 2010 Mean monthly dissolved oxygen at river kilometers 20.1, 21.9, 23.6 and 24.7

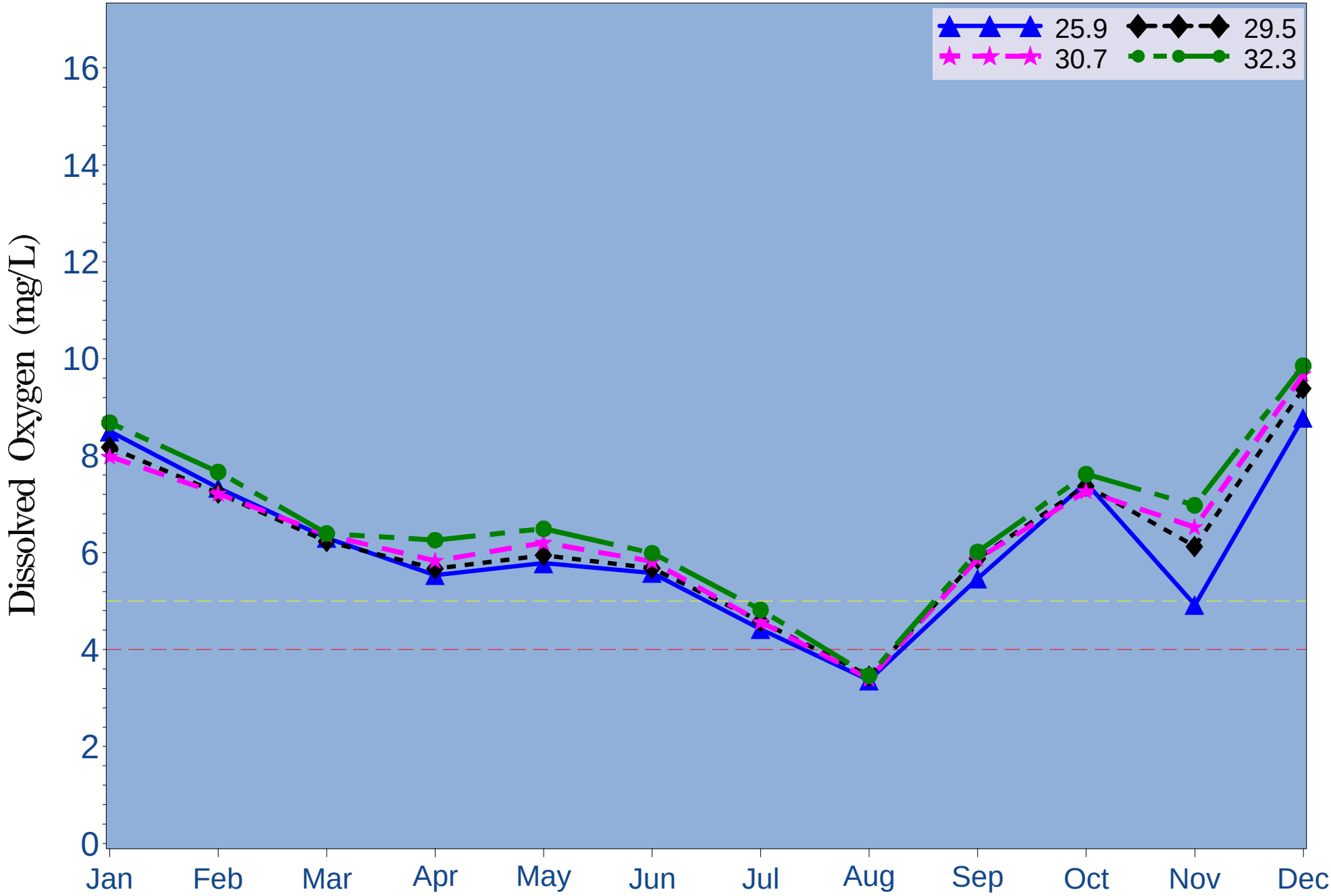


Figure 4.3d 2010 Mean monthly dissolved oxygen at river kilometers 25.9, 29.5, 30.7 and 32.3

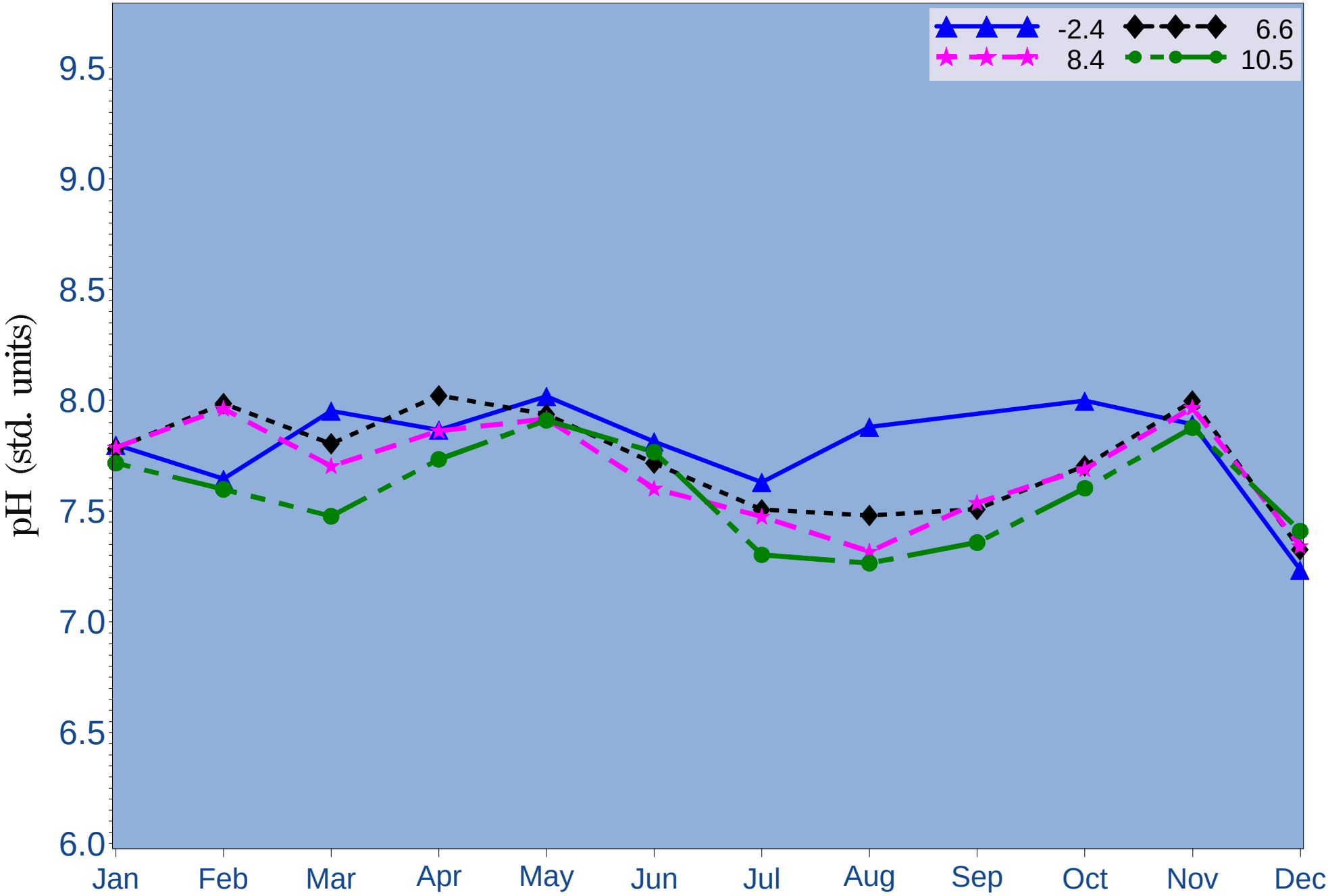


Figure 4.4a 2010 Mean monthly pH at river kilometers -2.4, 6.6, 8.4 and 10.5

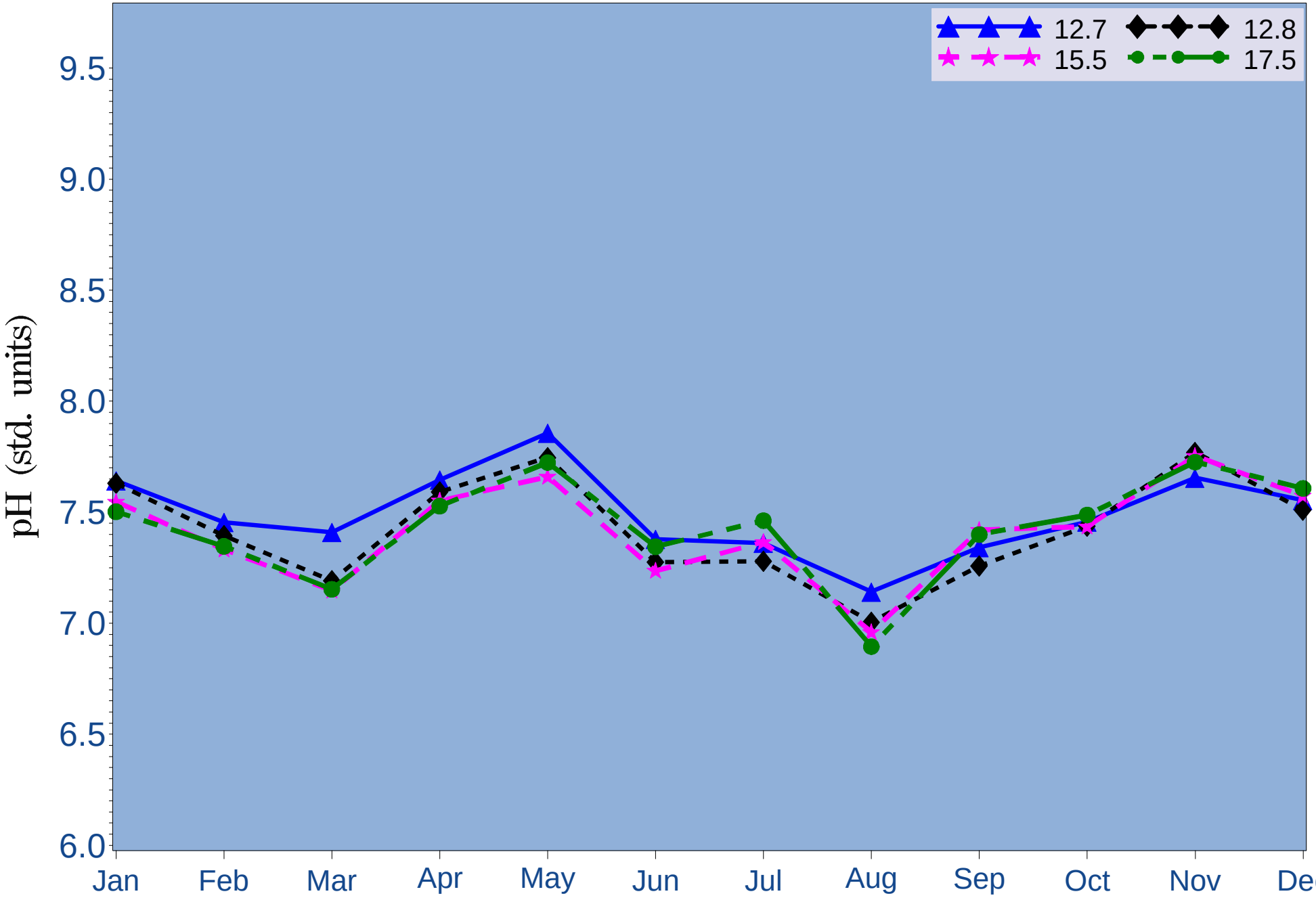


Figure 4.4b 2010 Mean monthly pH at river kilometers 12.7, 12.8, 15.5 and 17.5

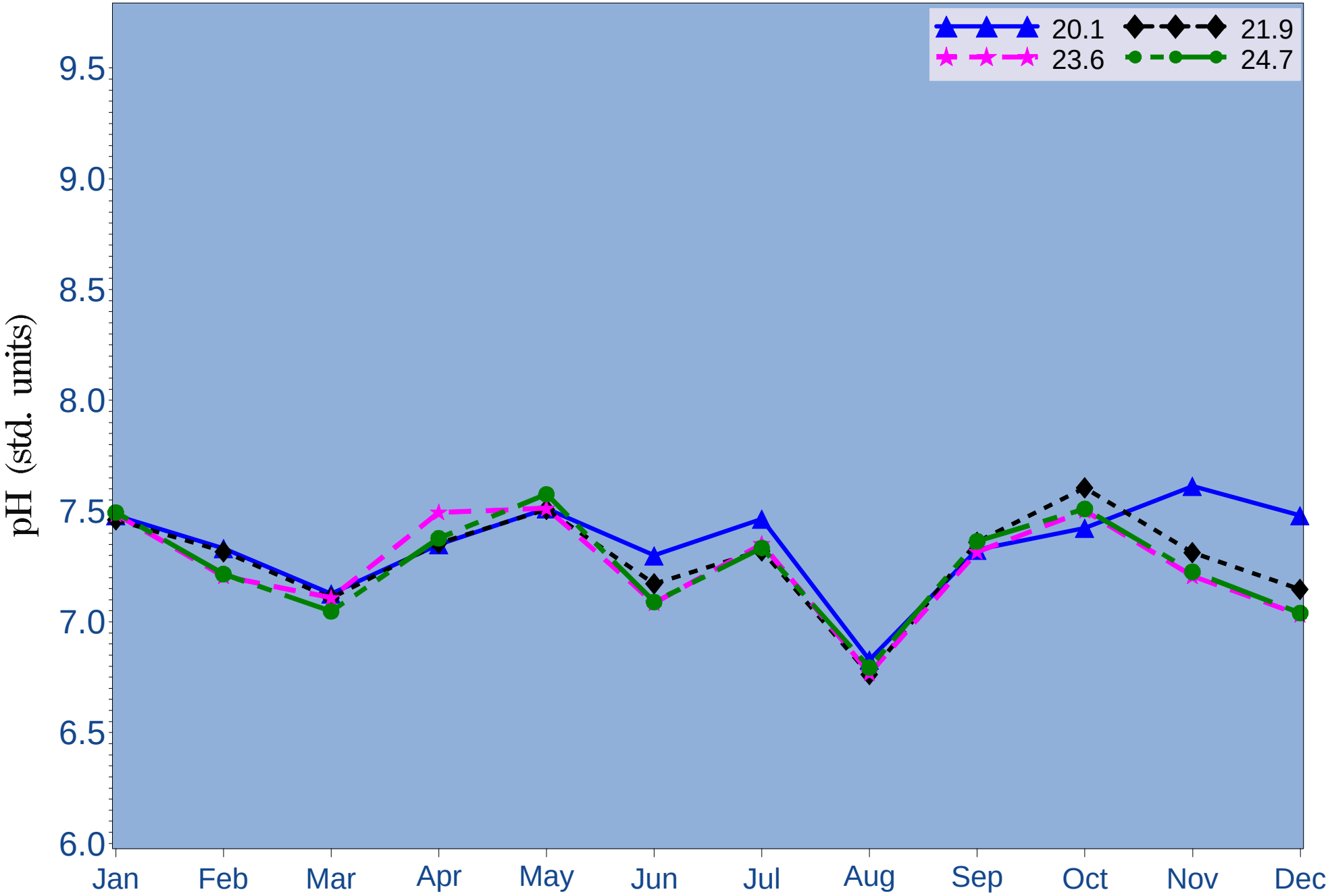


Figure 4.4c 2010 Mean monthly pH at river kilometers 20.1, 21.9, 23.6 and 24.7

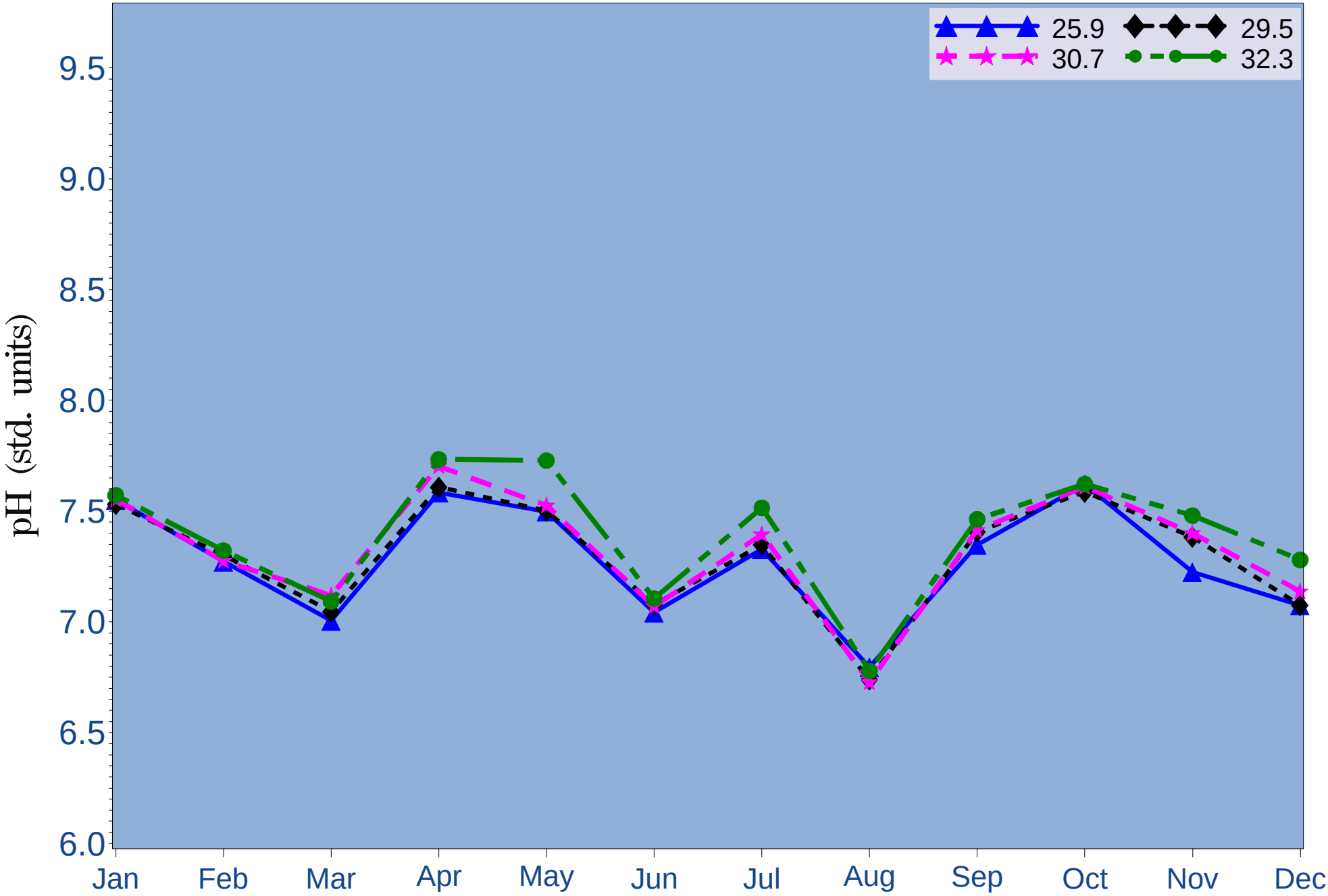


Figure 4.4d 2010 Mean monthly pH at river kilometers 25.9, 29.5, 30.7 and 32.3

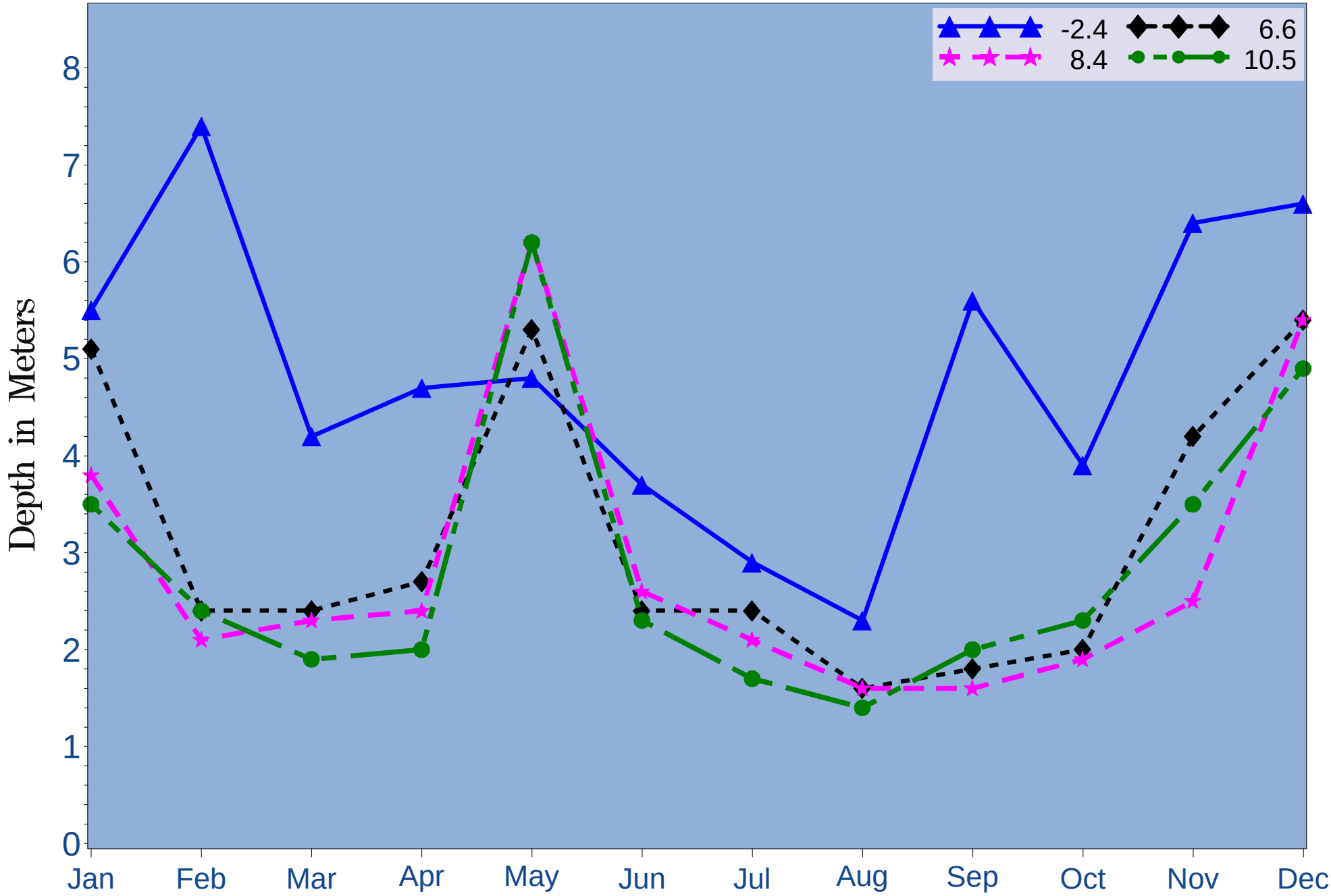


Figure 4.5a 2010 Monthly 1% light depth at river kilometers -2.4, 6.6, 8.4 and 10.5

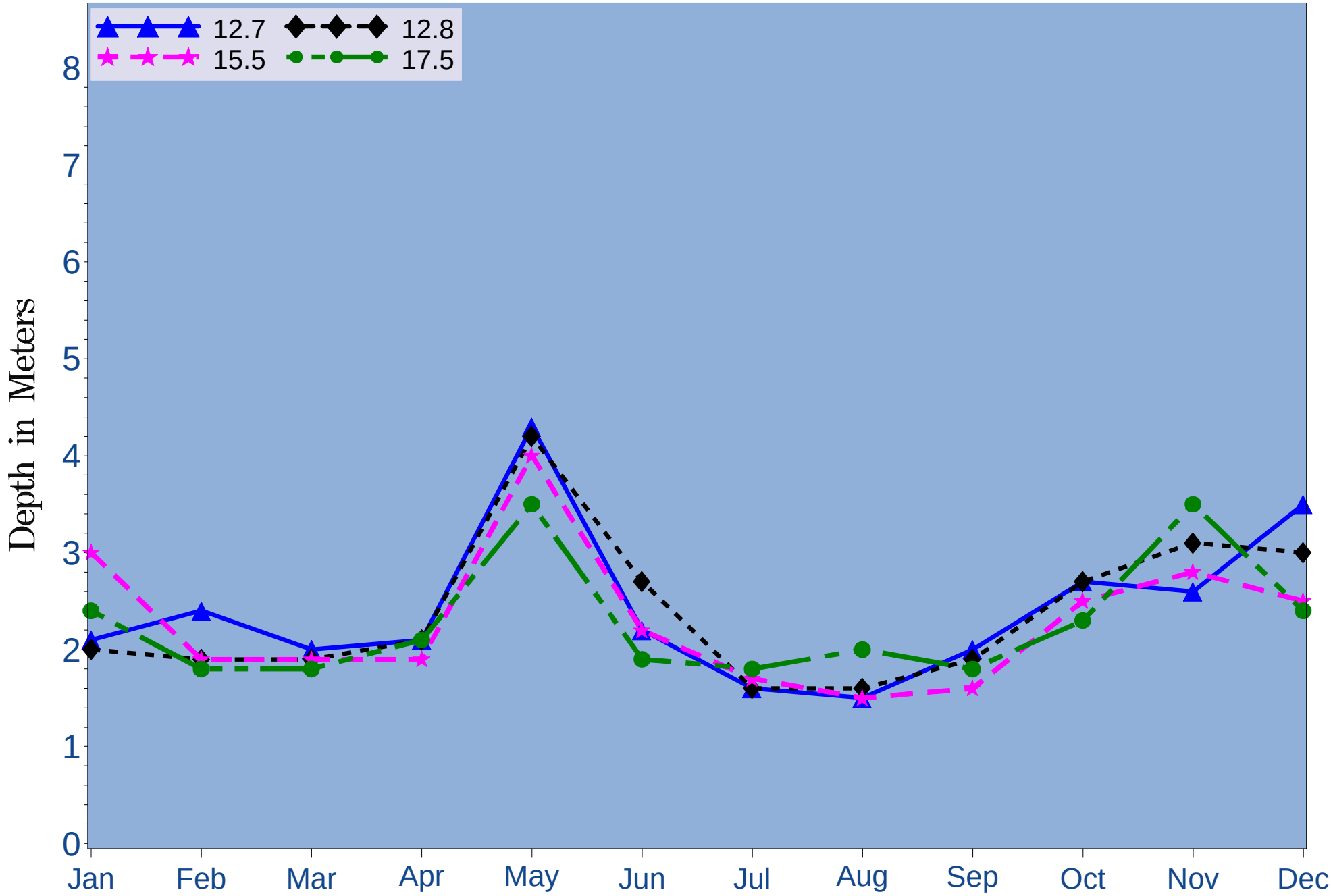


Figure 4.5b 2010 Monthly 1% light depth at river kilometers 12.7, 12.8, 15.5 and 17.5

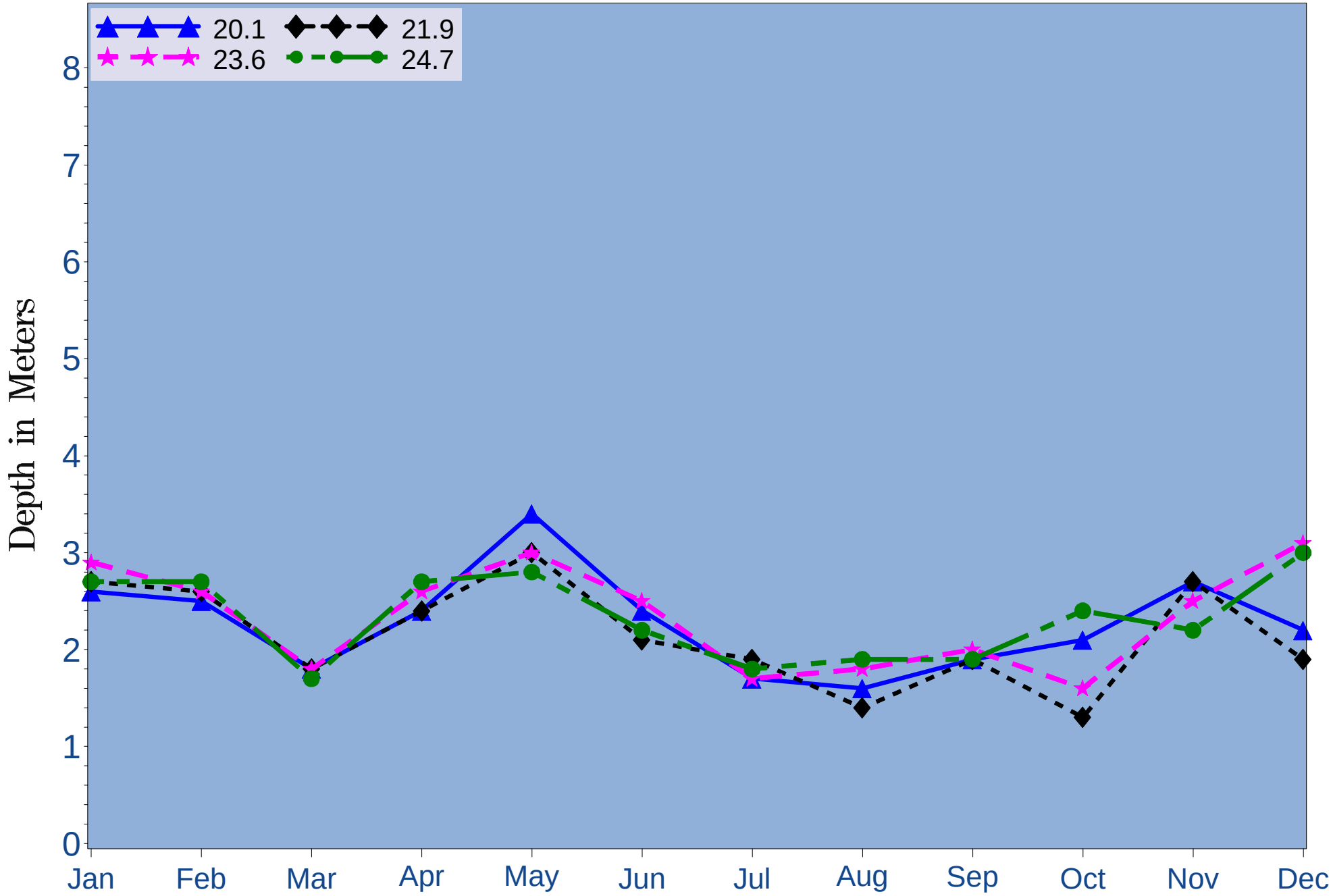


Figure 4.5c 2010 Monthly 1% light depth at river kilometers 20.1, 21.9, 23.6 and 24.7

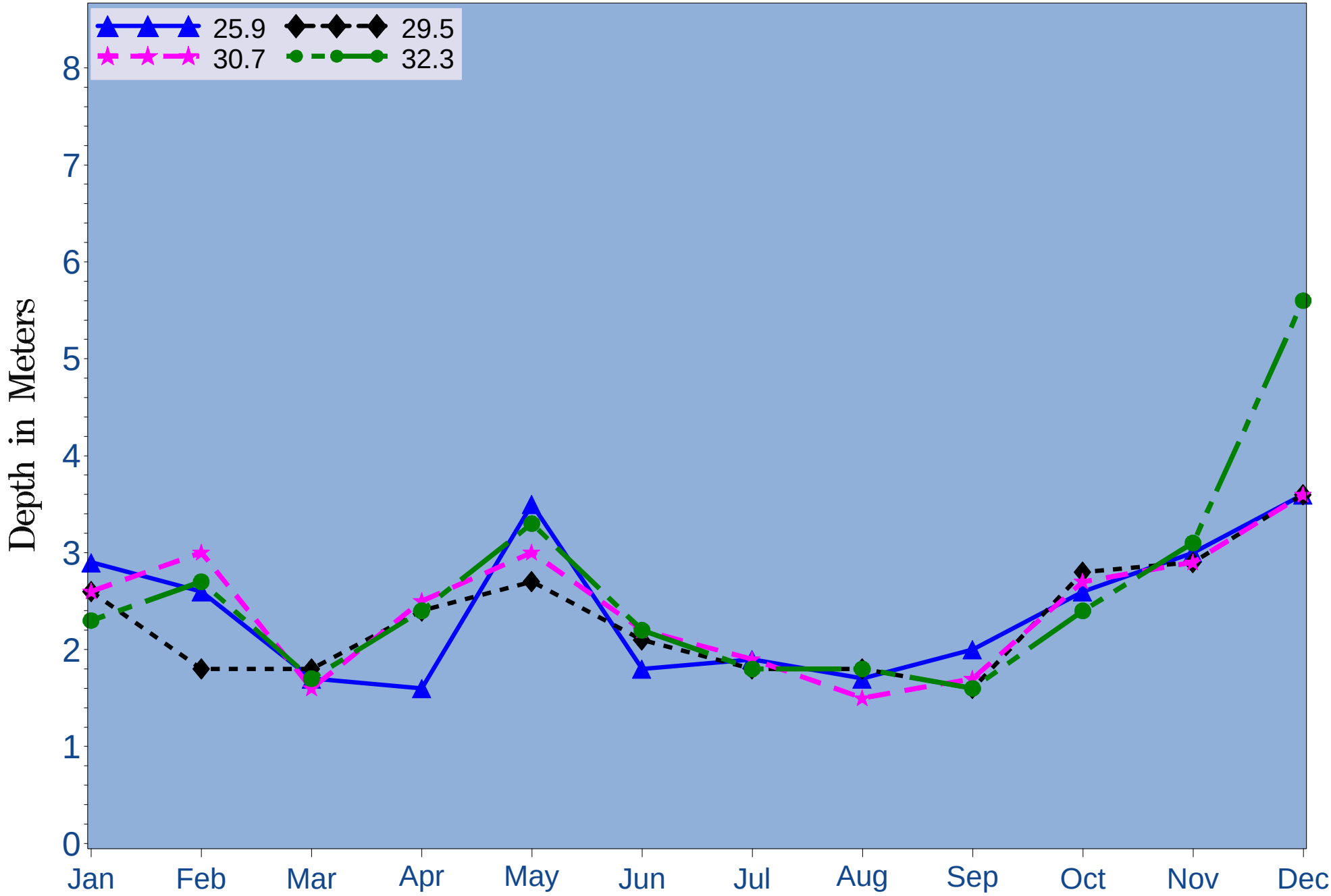


Figure 4.5d 2010 Monthly 1% light depth at river kilometers 25.9, 29.5, 30.7 and 32.3

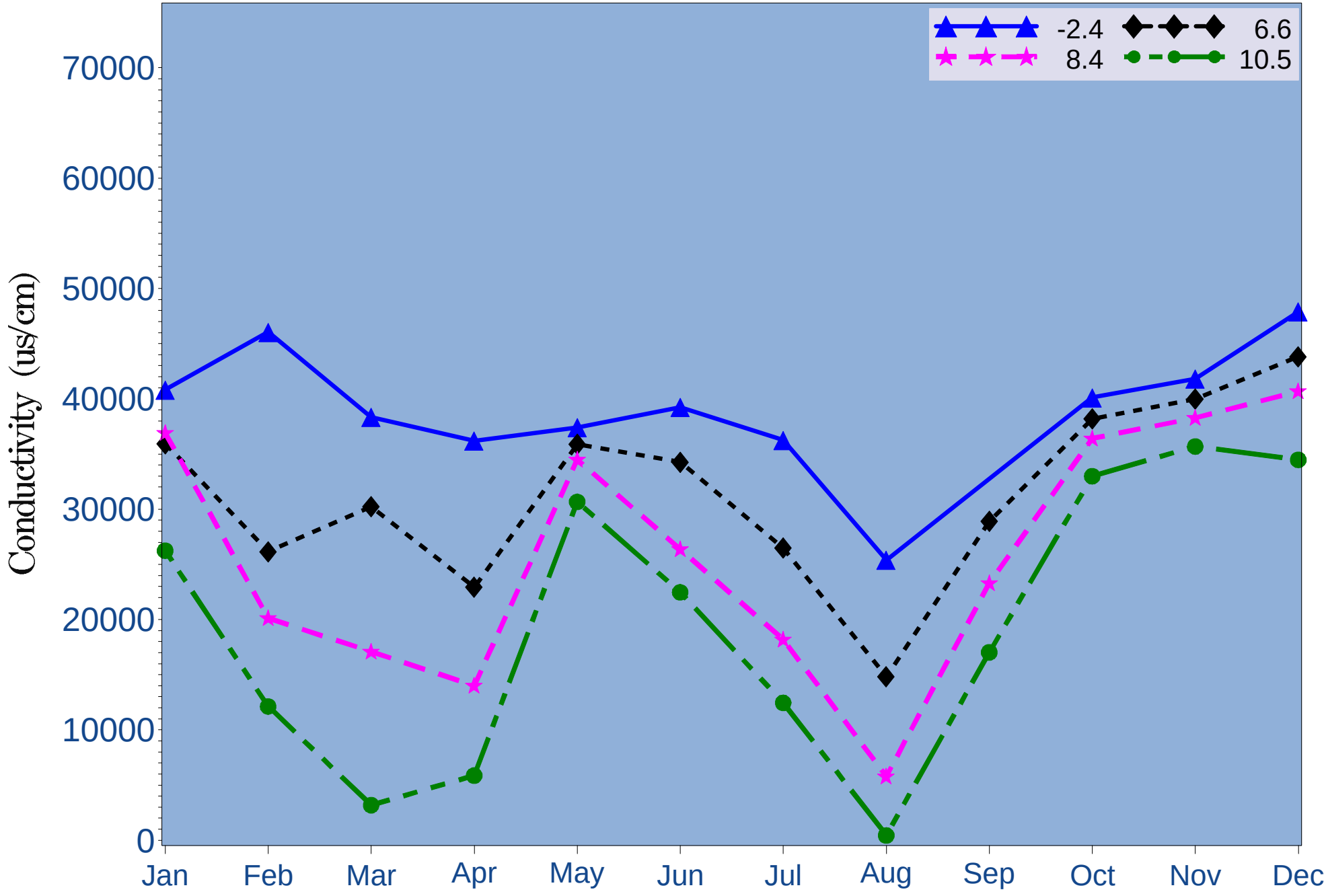


Figure 4.6a 2010 Mean monthly specific conductance at river kilometers -2.4, 6.6, 8.4 and 10.5

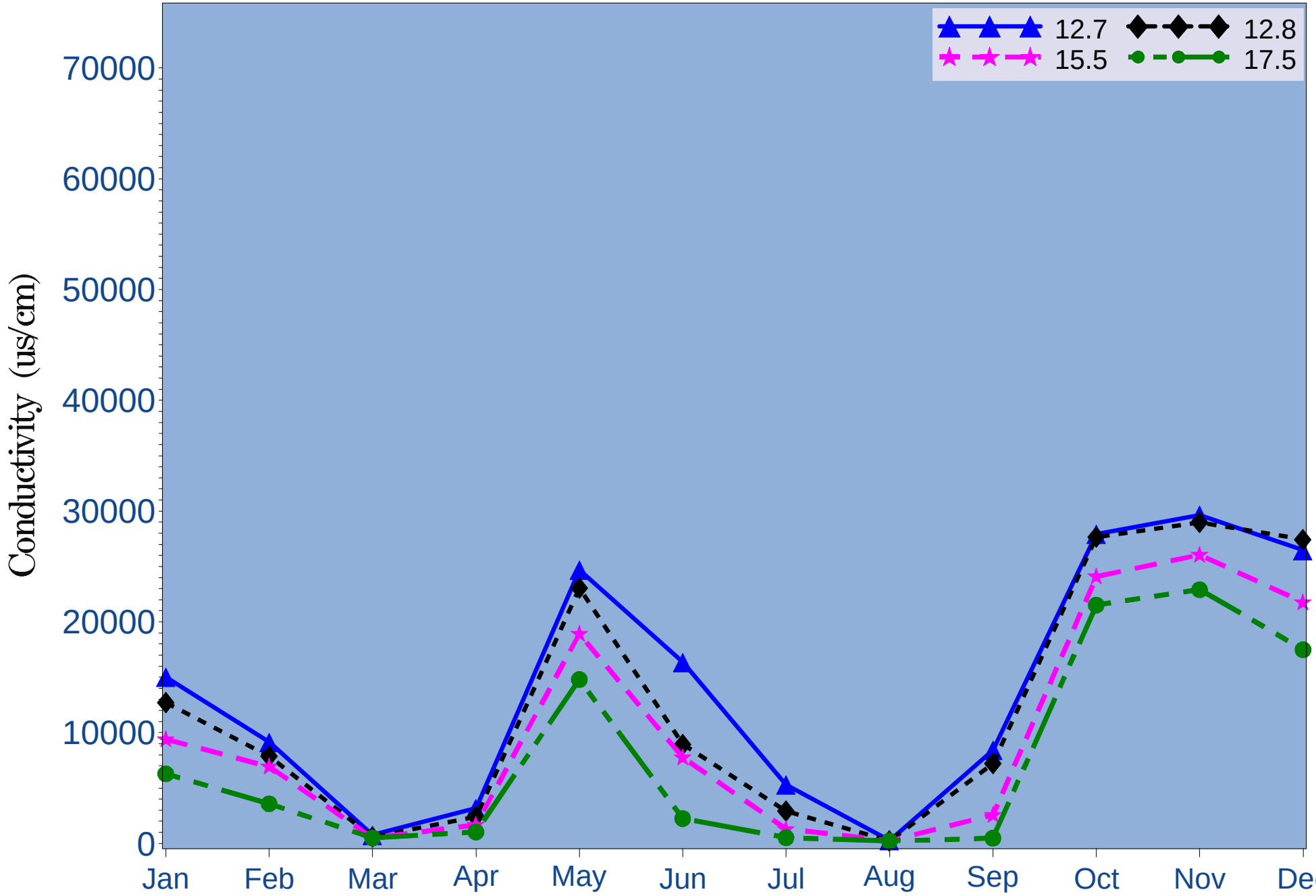


Figure 4.6b 2010 Mean monthly specific conductance at river kilometers 12.7, 12.8, 15.5 and 17.5

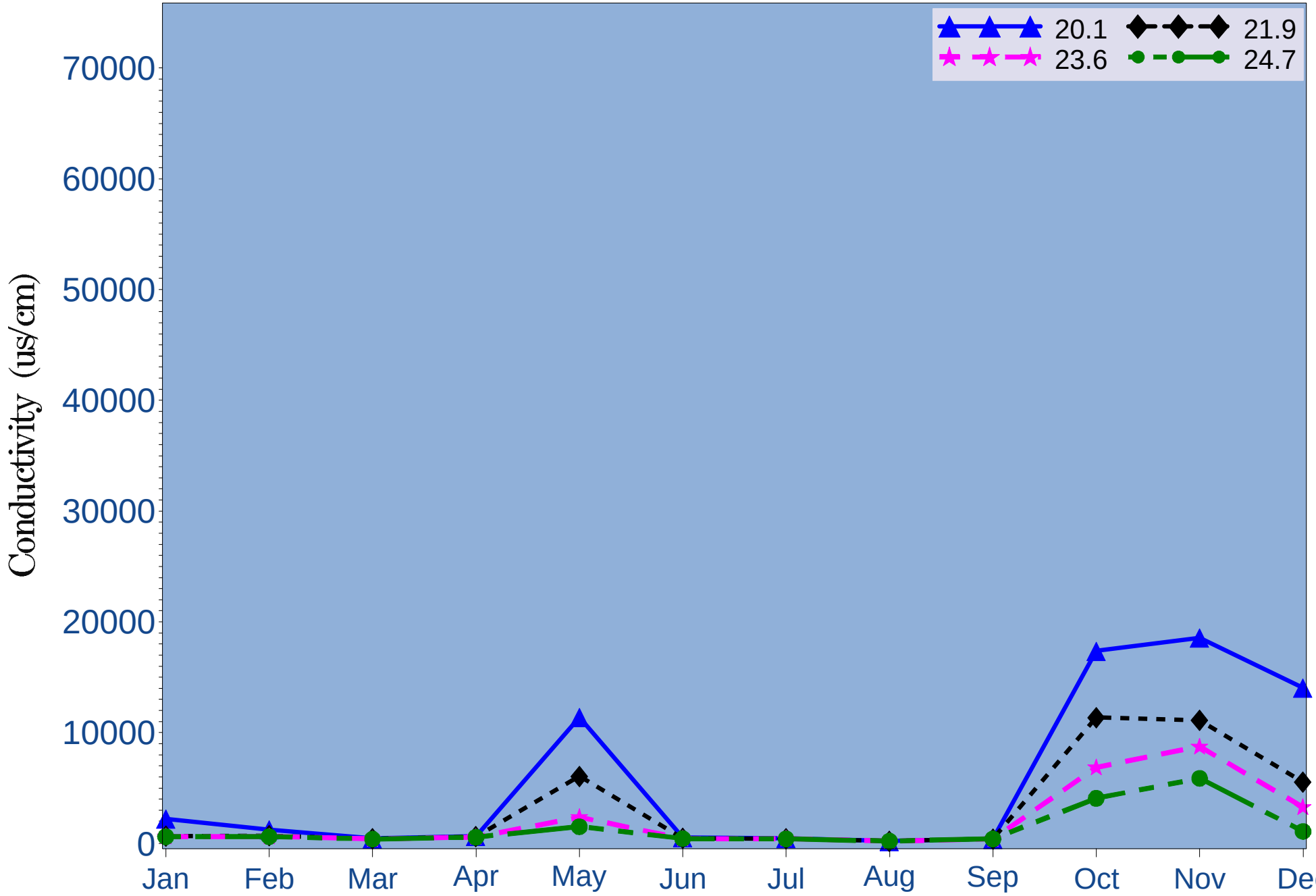


Figure 4.6c 2010 Mean monthly specific conductance at river kilometers 20.1, 21.9, 23.6 and 24.7

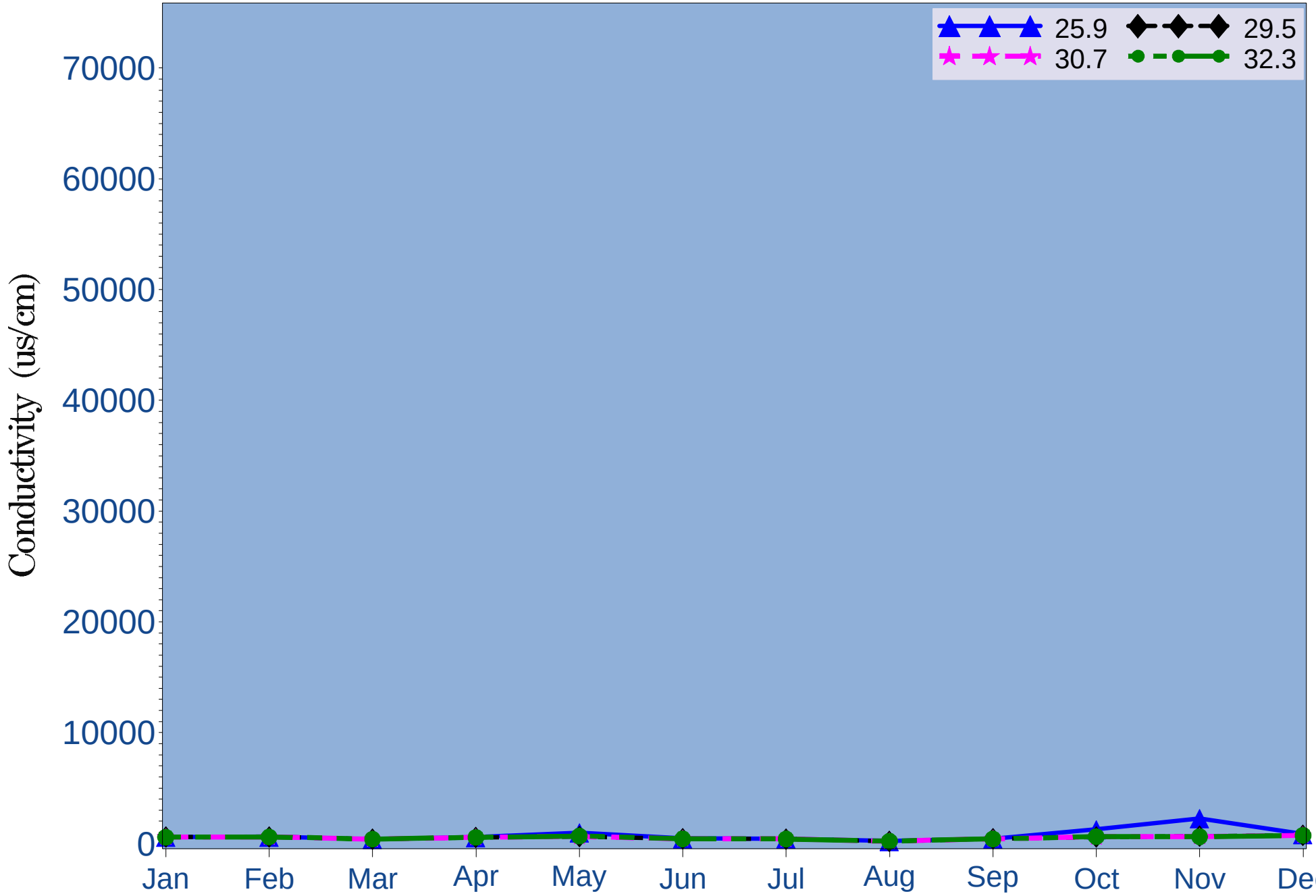


Figure 4.6d 2010 Mean monthly specific conductance at river kilometers 25.9, 29.5, 30.7 and 32.3

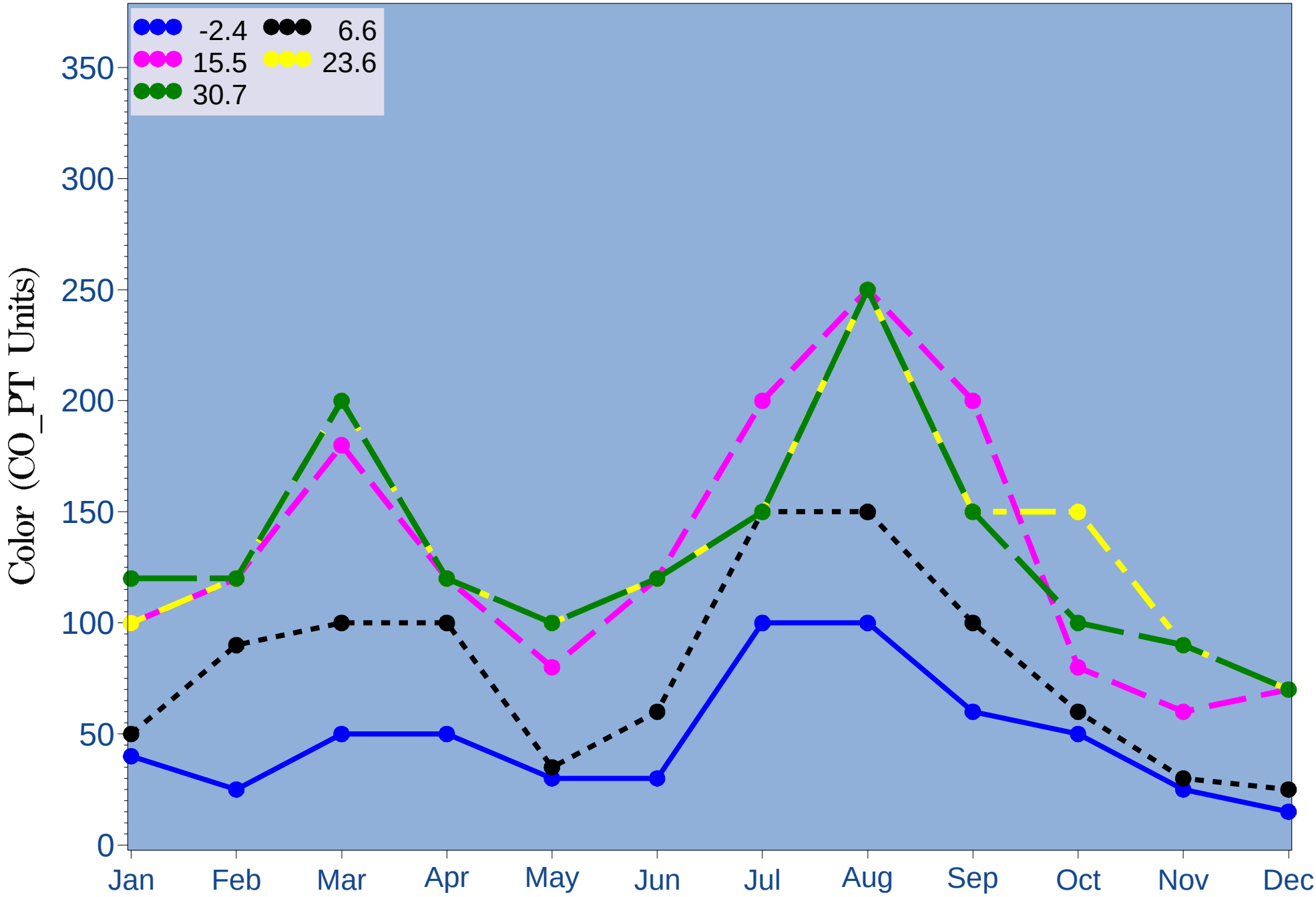


Figure 4.7a Surface color at fixed sampling stations (2010)

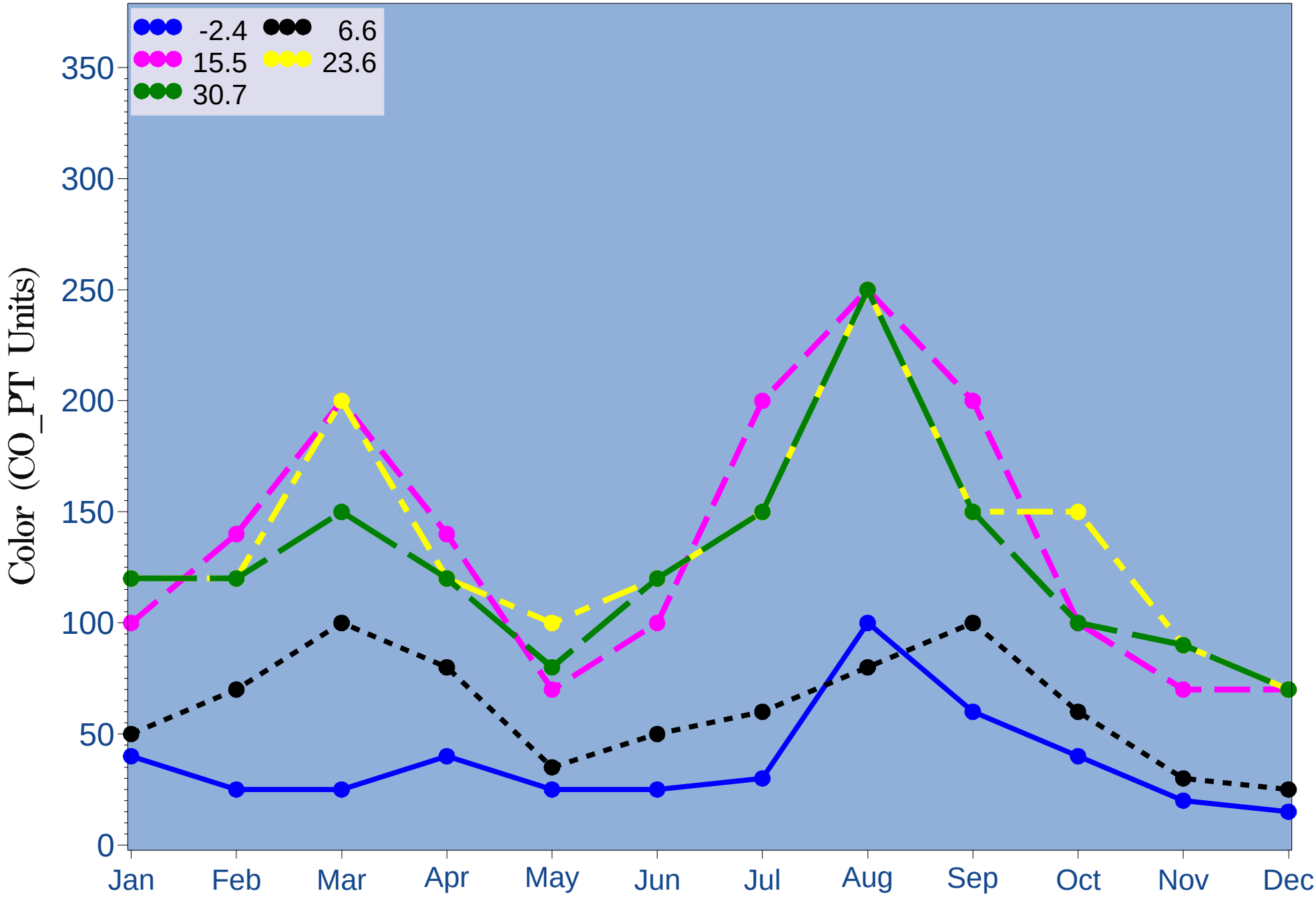


Figure 4.7b Bottom color at fixed sampling stations (2010)

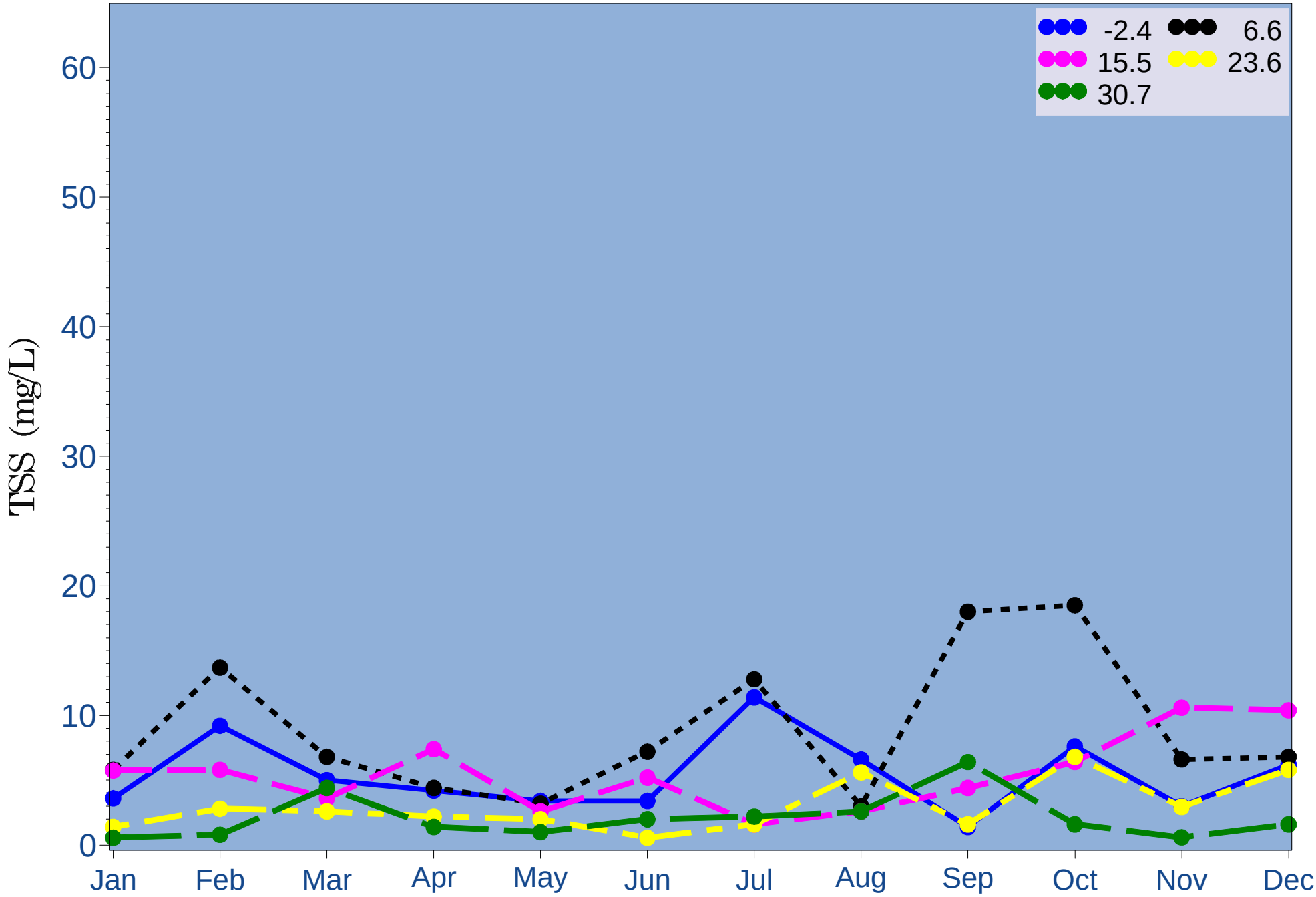


Figure 4.8a Surface total suspended solids at fixed sampling stations (2010)

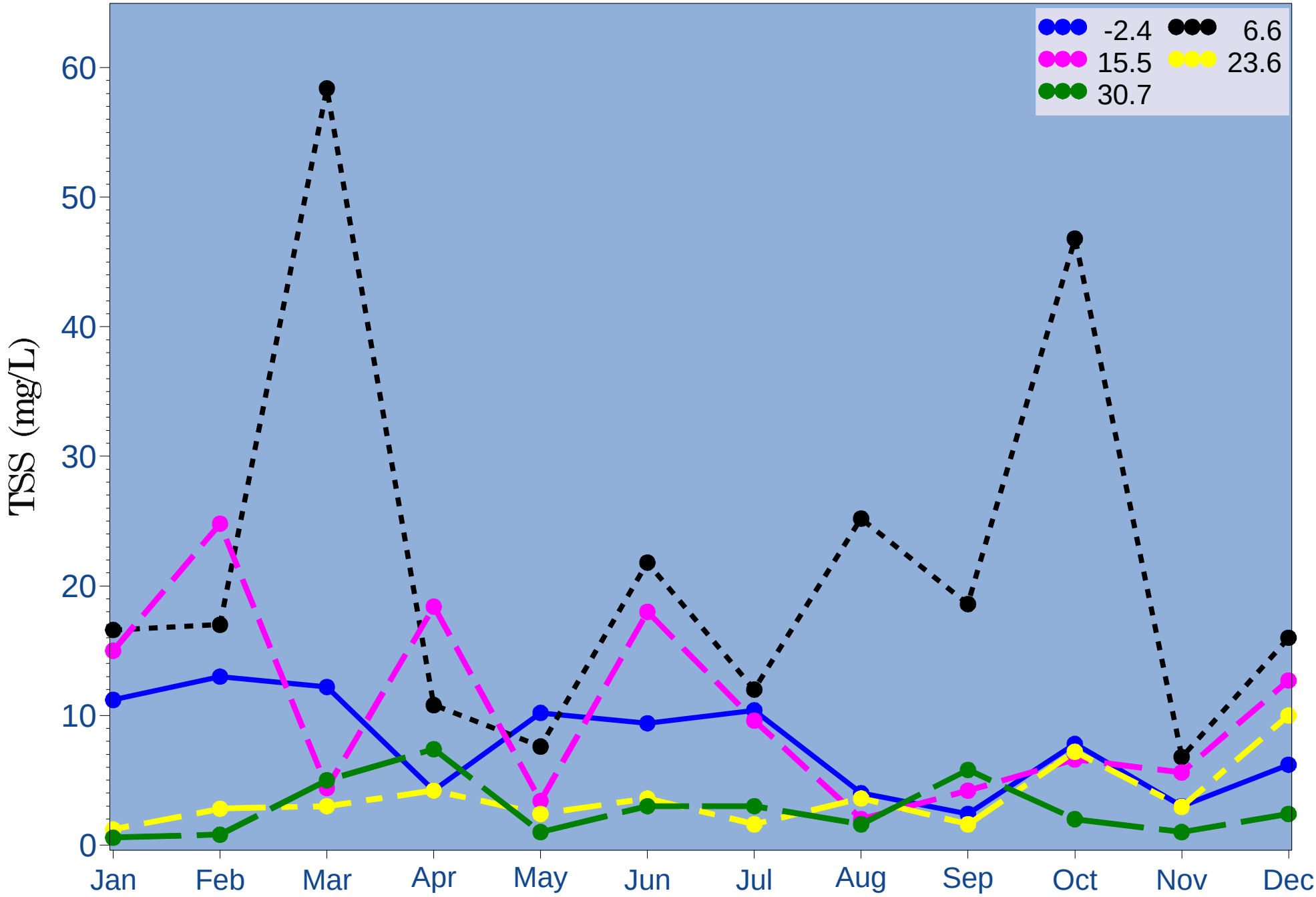


Figure 4.8b Monthly bottom total suspended solids at fixed sampling stations (2010)

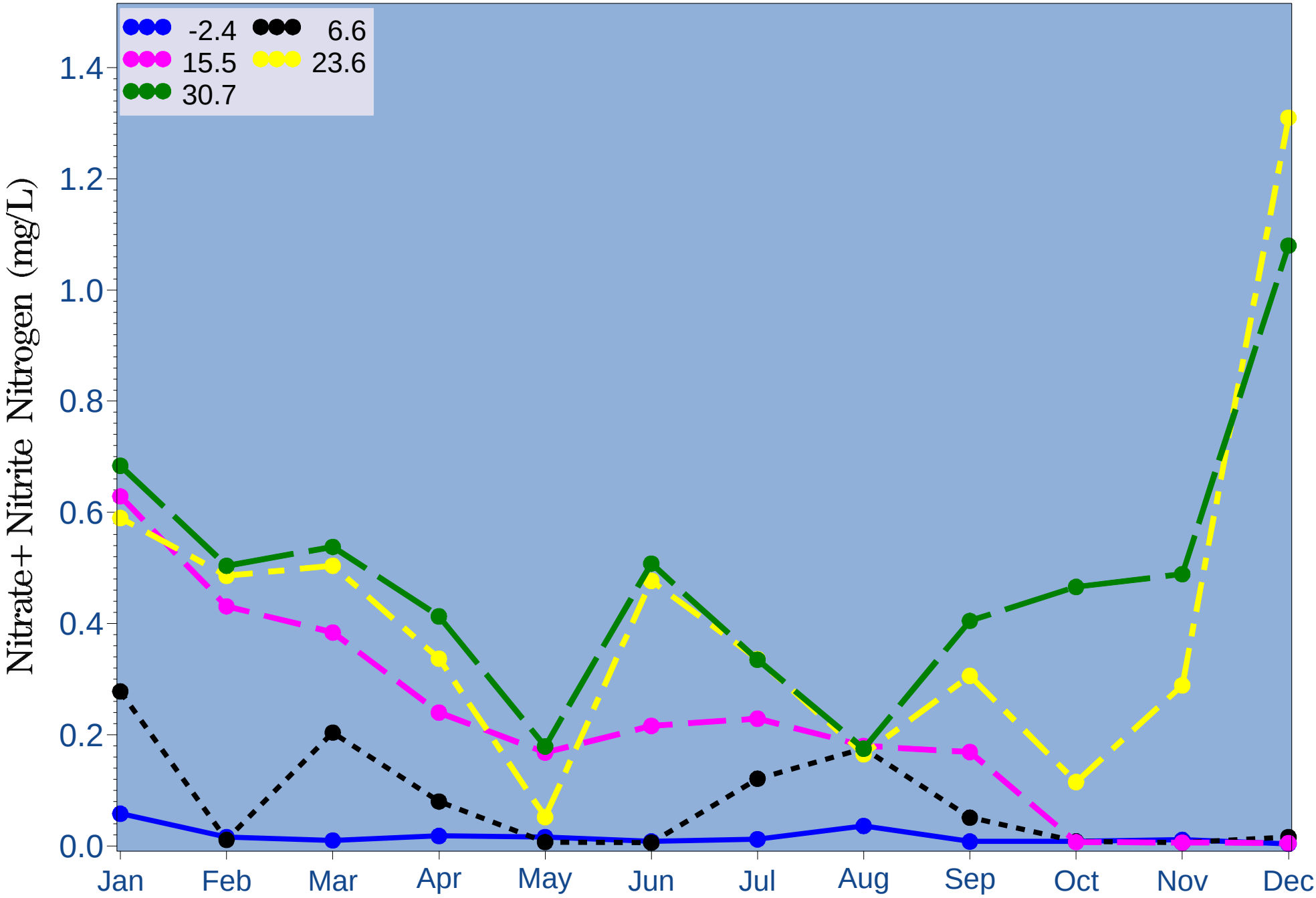


Figure 4.9a Monthly surface nitrate/nitrite nitrogen at fixed sampling stations (2010)

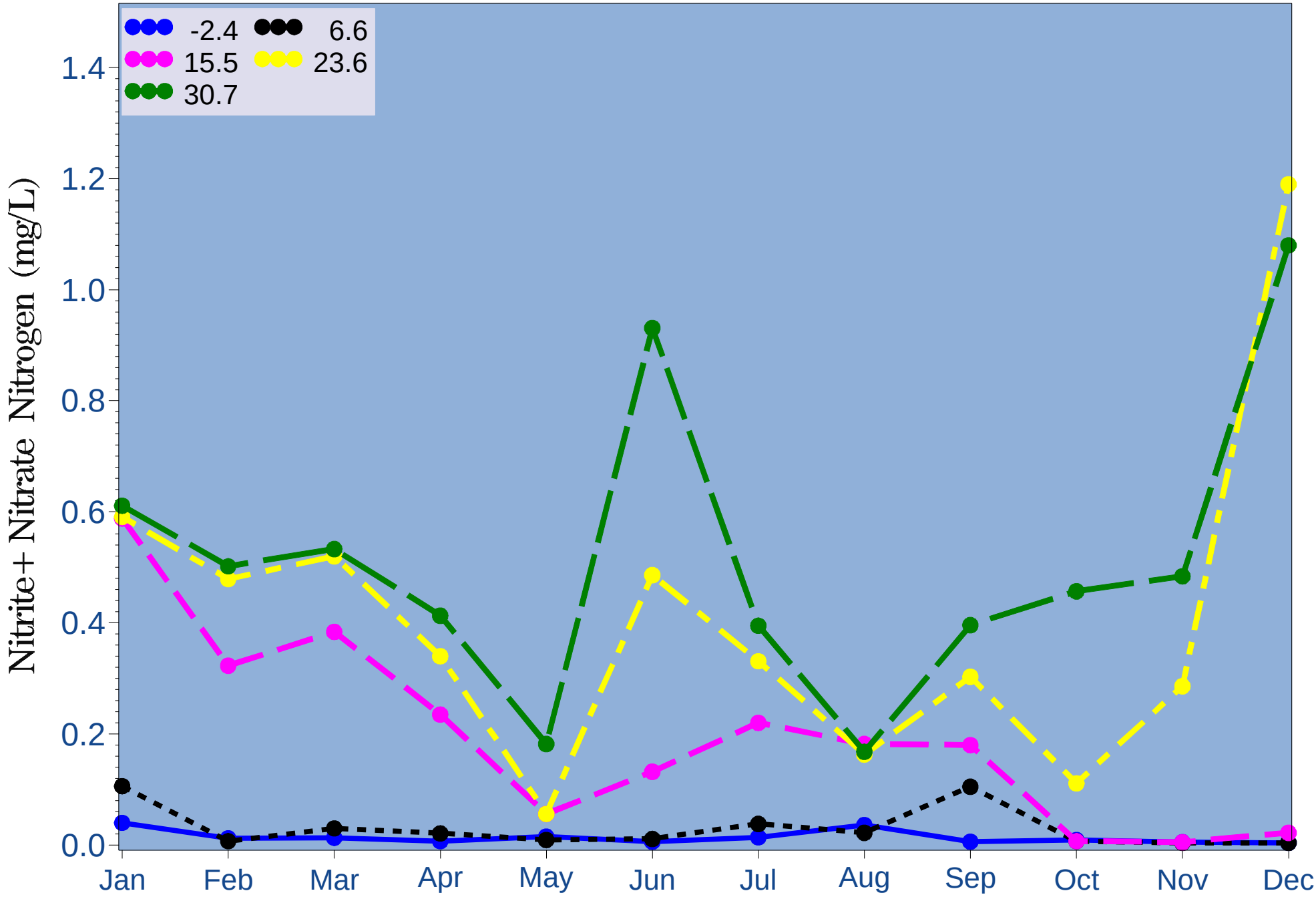


Figure 4.9b Monthly bottom nitrite/nitrate nitrogen at fixed sampling stations (2010)

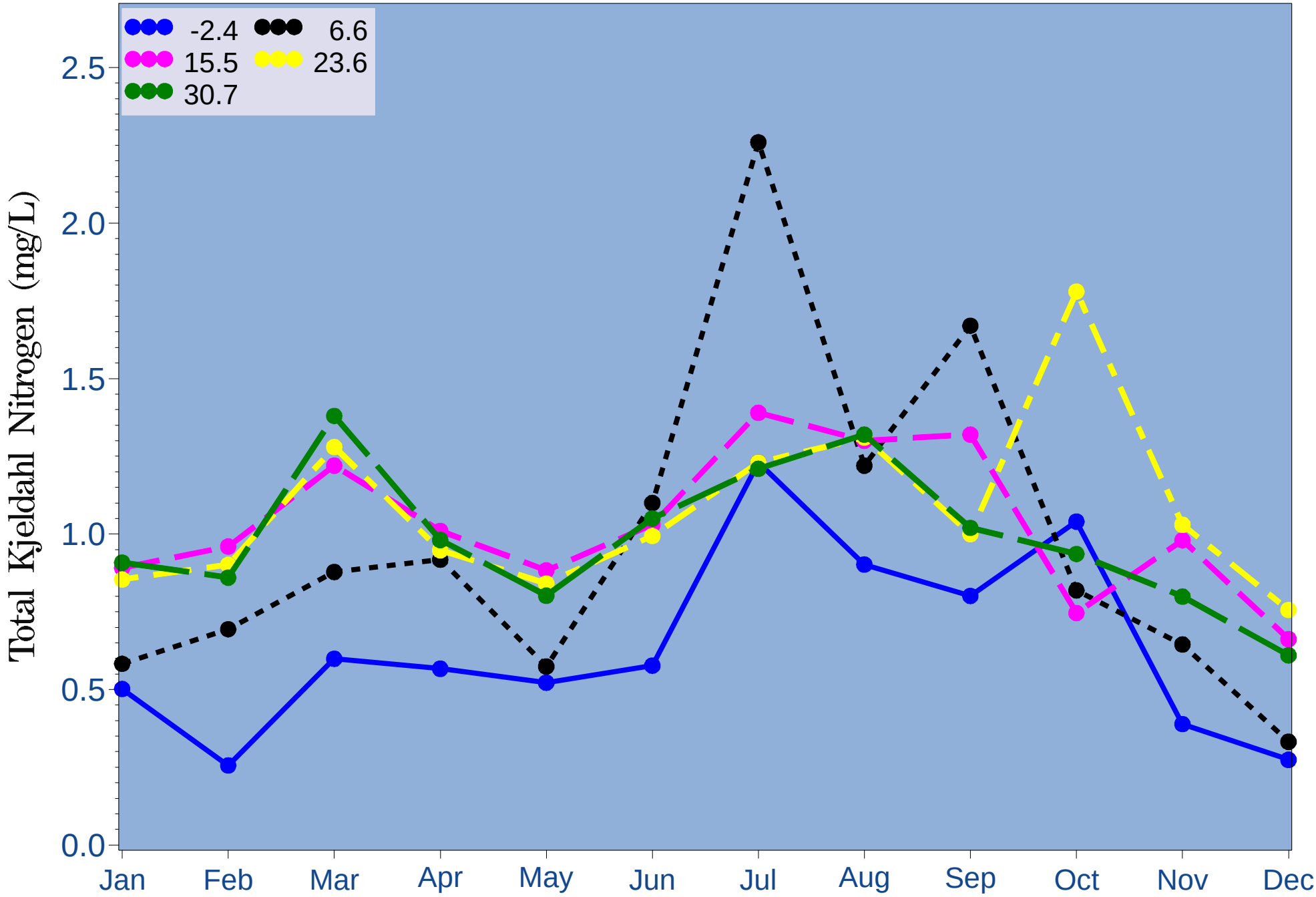


Figure 4.10a Monthly surface total Kjeldahl nitrogen at fixed sampling stations (2010)

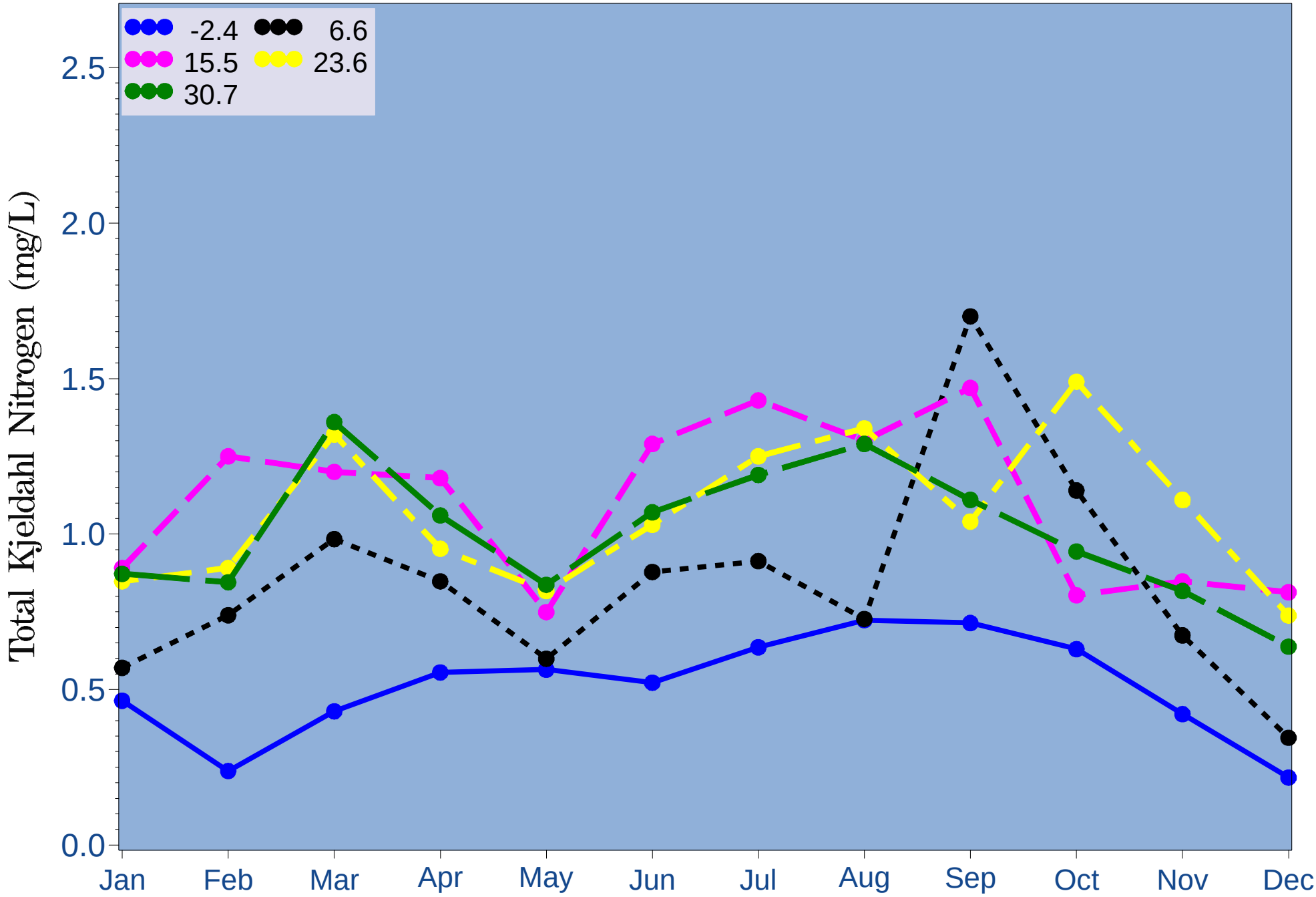


Figure 4.10b Monthly bottom total Kjeldahl nitrogen at fixed sampling stations (2010)

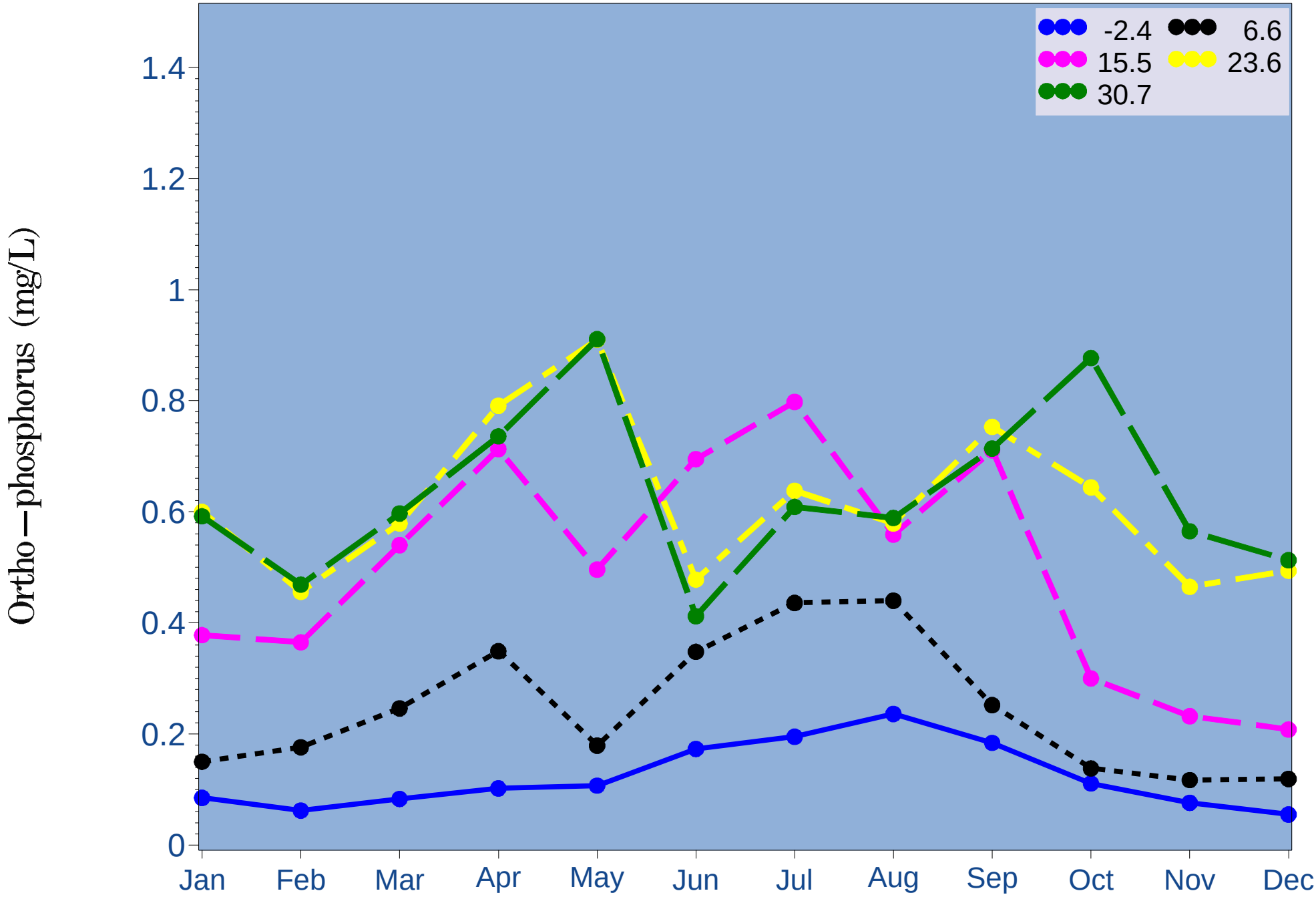


Figure 4.11a Monthly surface ortho-phosphorus at fixed sampling stations (2010)

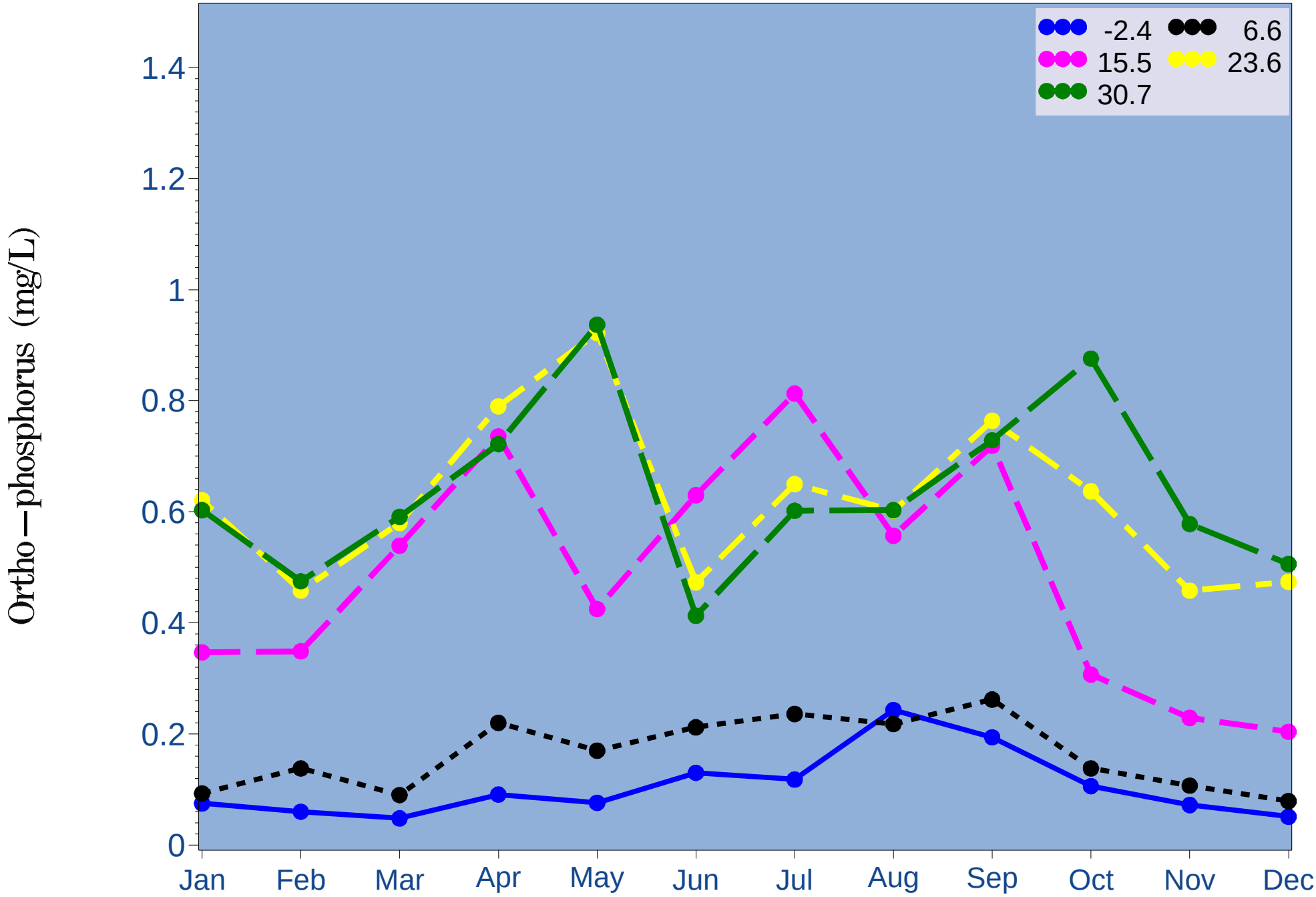


Figure 4.11b Monthly bottom ortho-phosphorus at fixed sampling stations (2010)

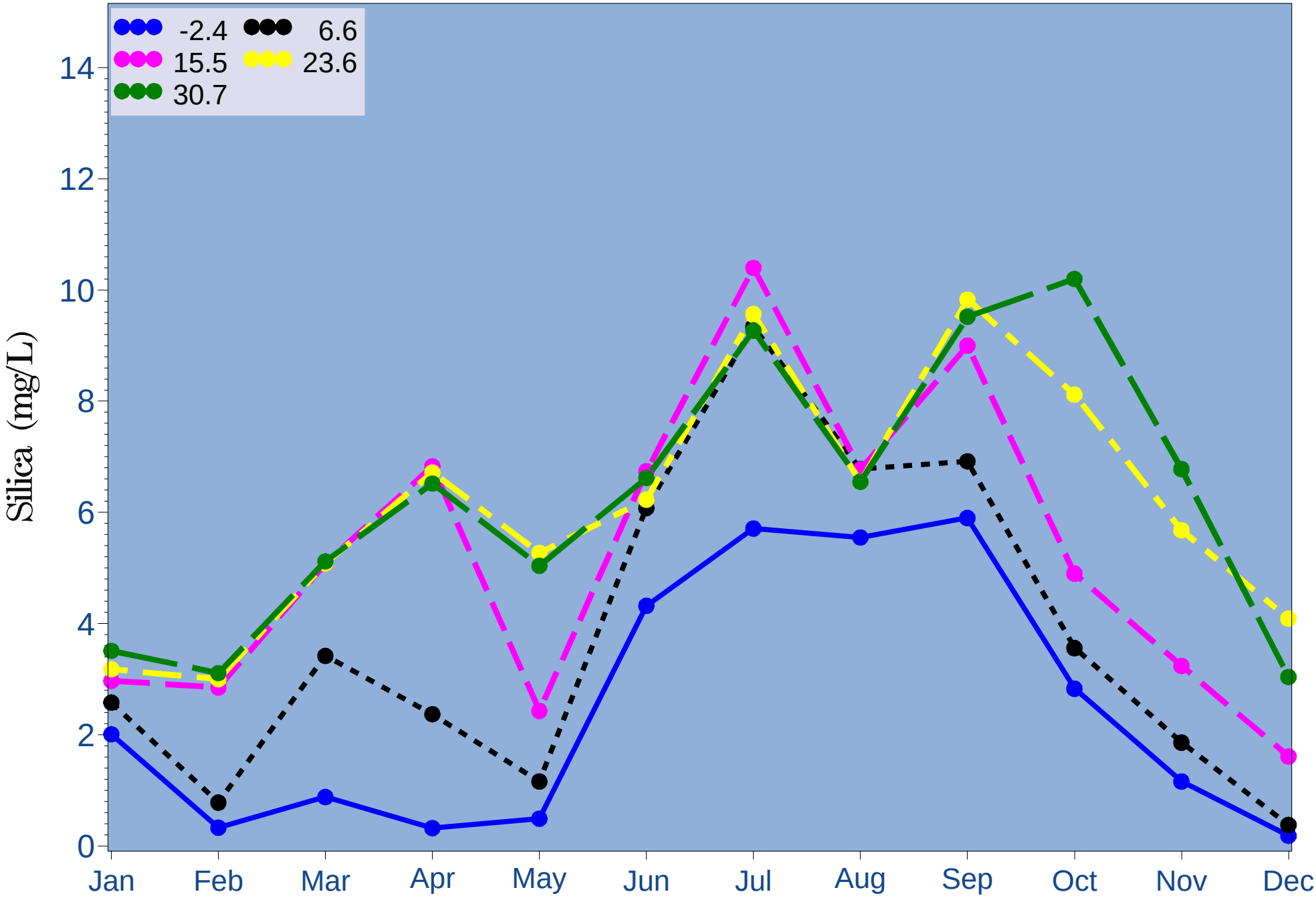


Figure 4.12a Monthly surface silica at fixed sampling stations (2010)

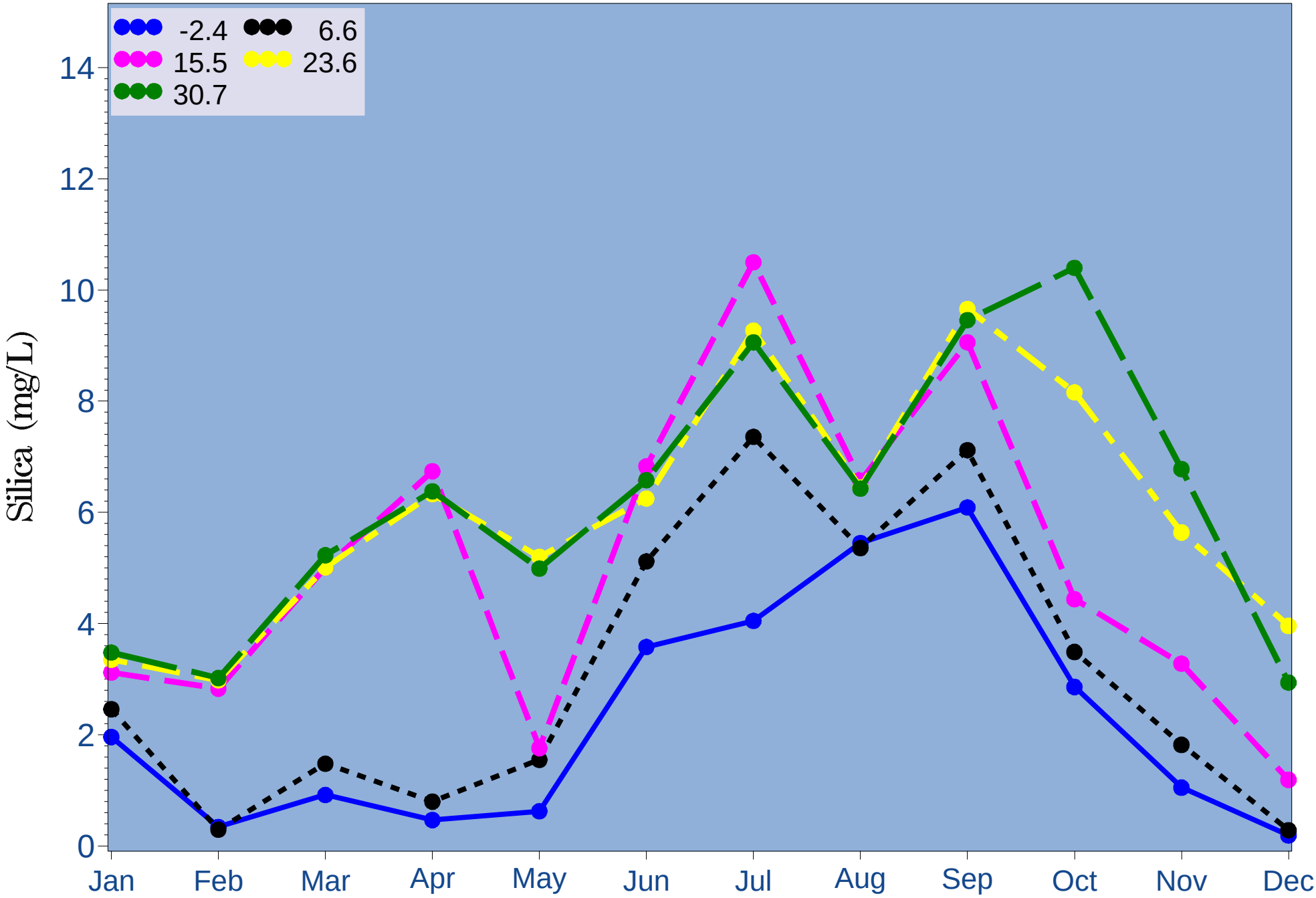


Figure 4.12b Monthly bottom silica at fixed sampling stations (2010)

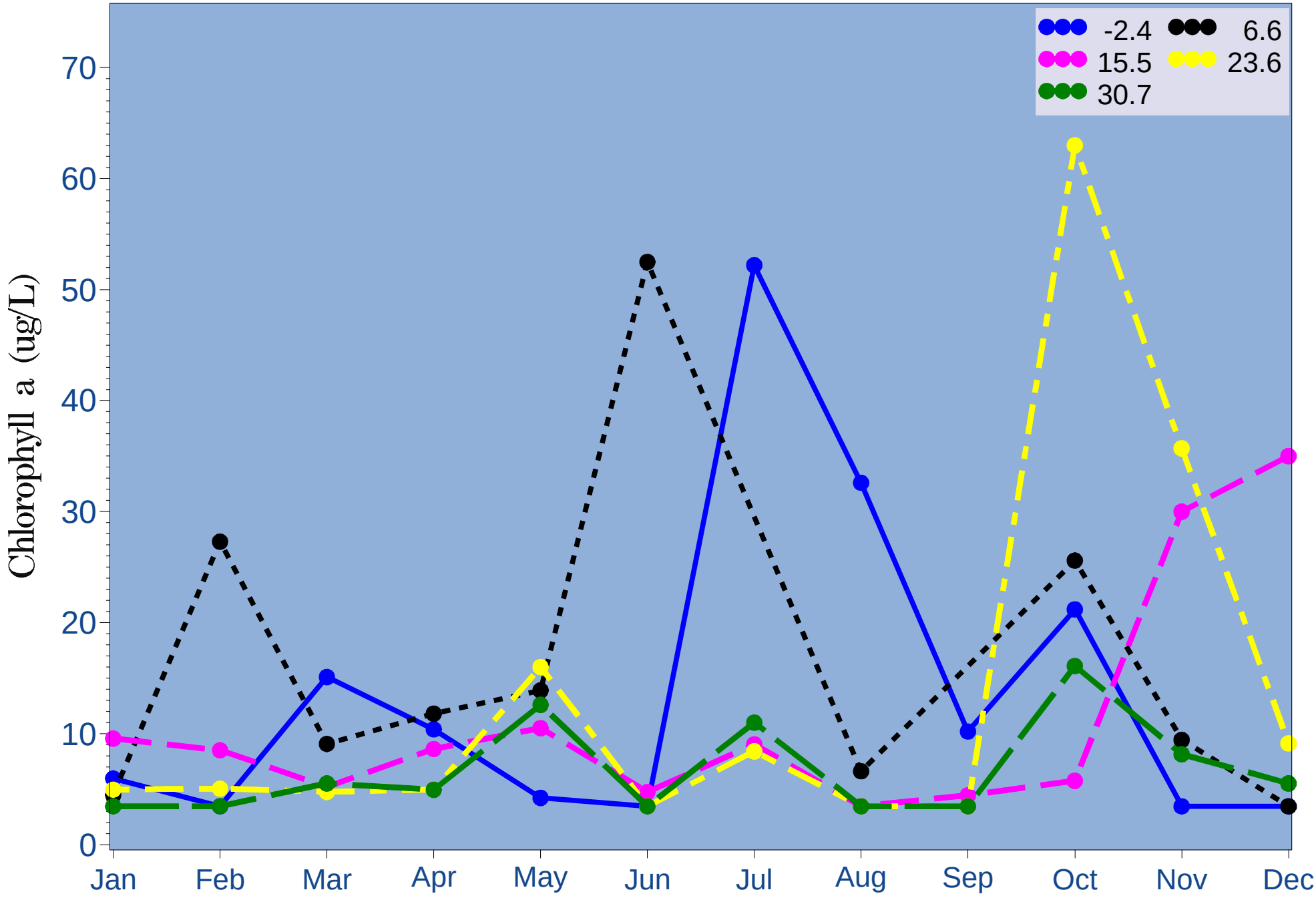


Figure 4.13a Monthly surface chlorophyll a (mg/m3) at fixed stations (2010)

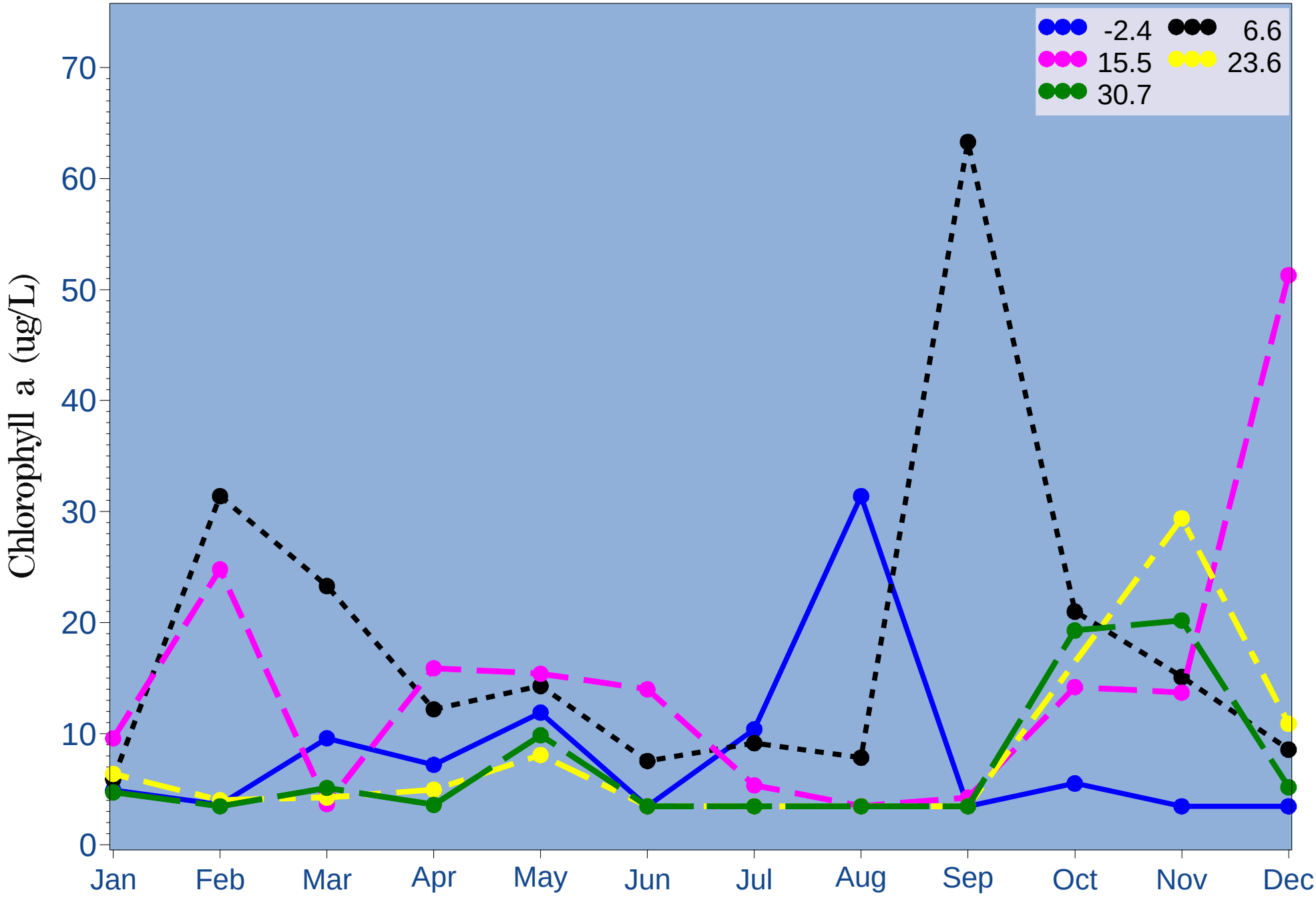


Figure 4.13b Monthly bottom chlorophyll a (mg/m3) at fixed stations (2010)

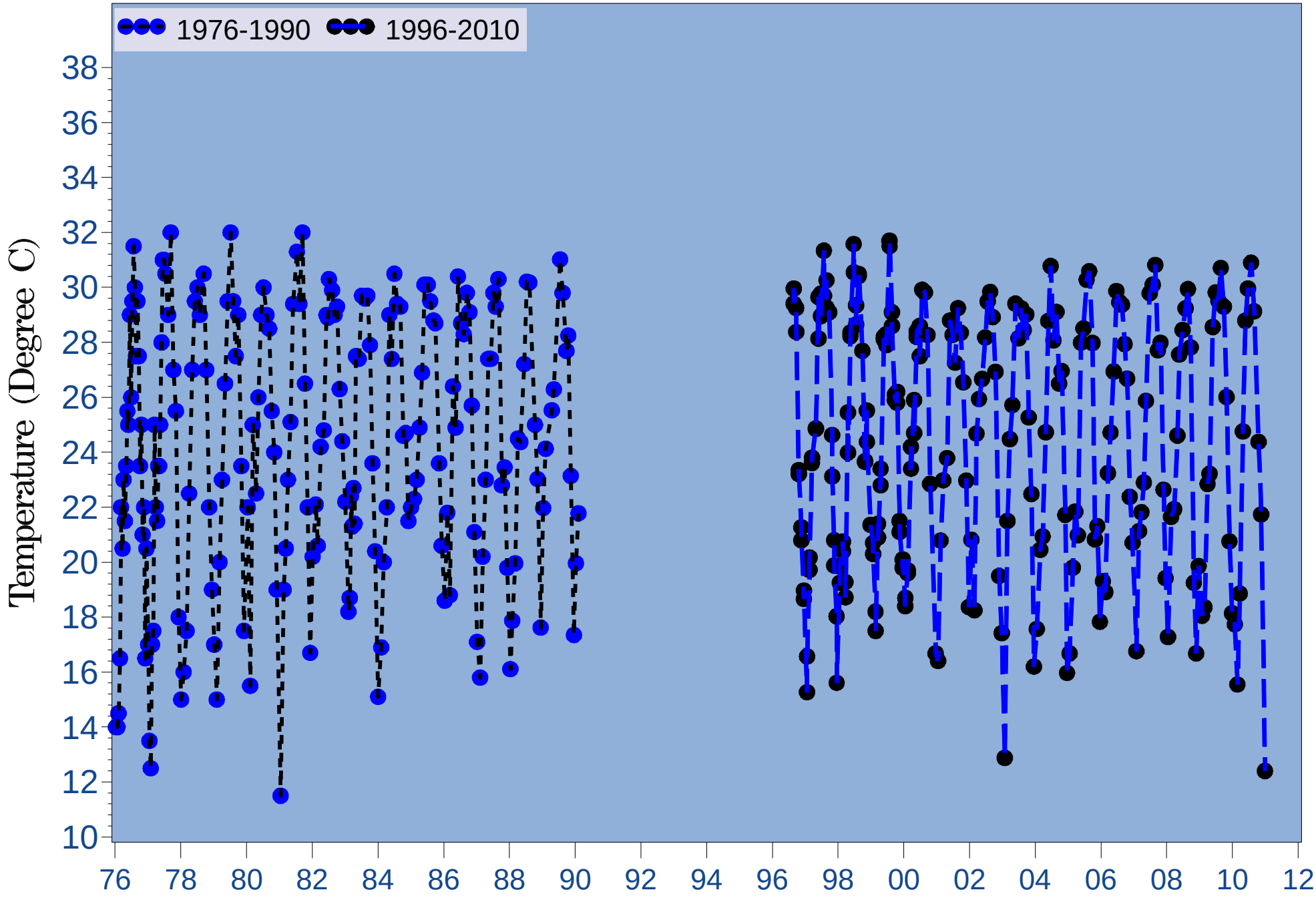


Figure 4.14a Monthly long-term surface temperature at river kilometer -2.4

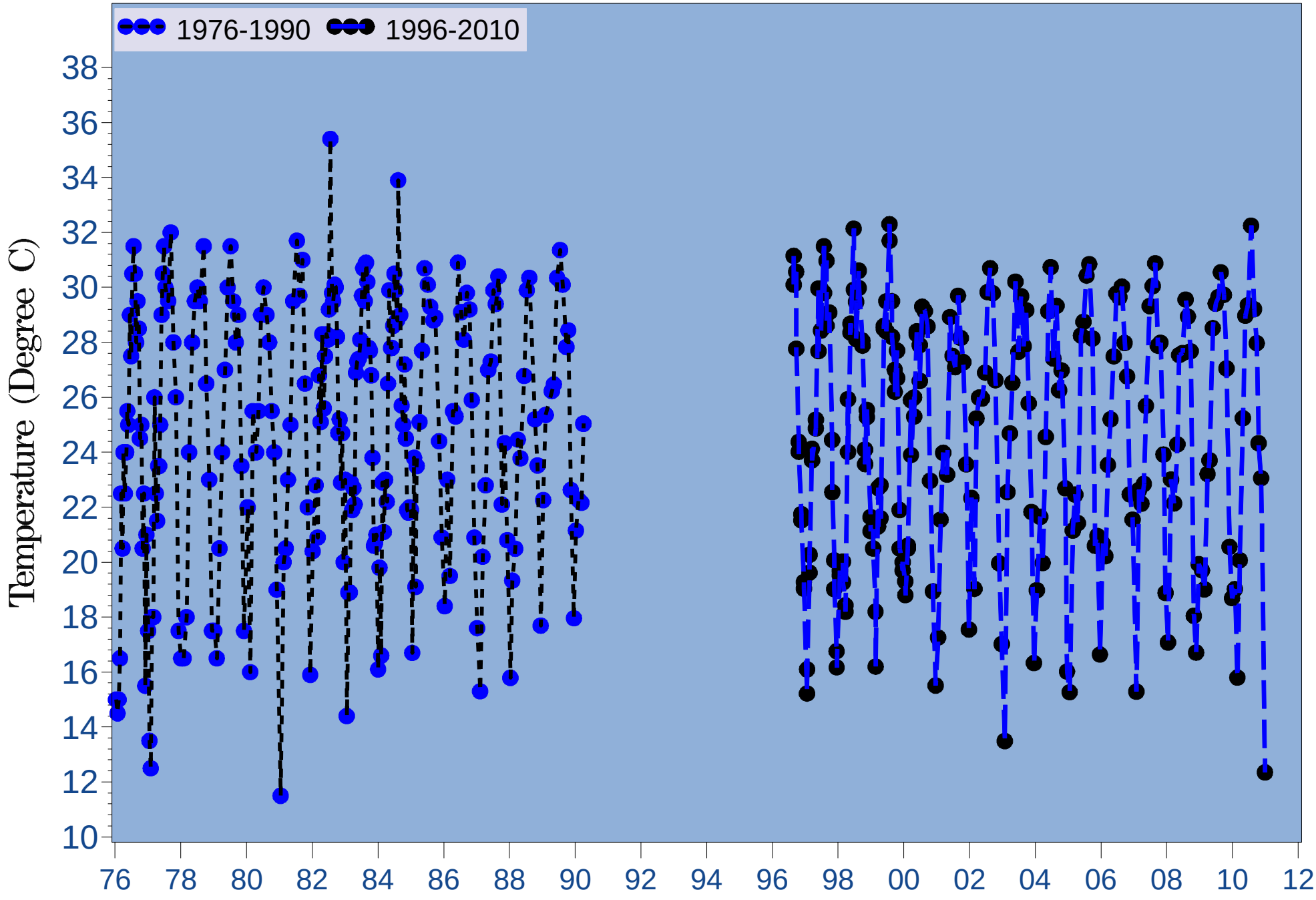


Figure 4.14b Monthly long-term surface temperature at river kilometer 6.6

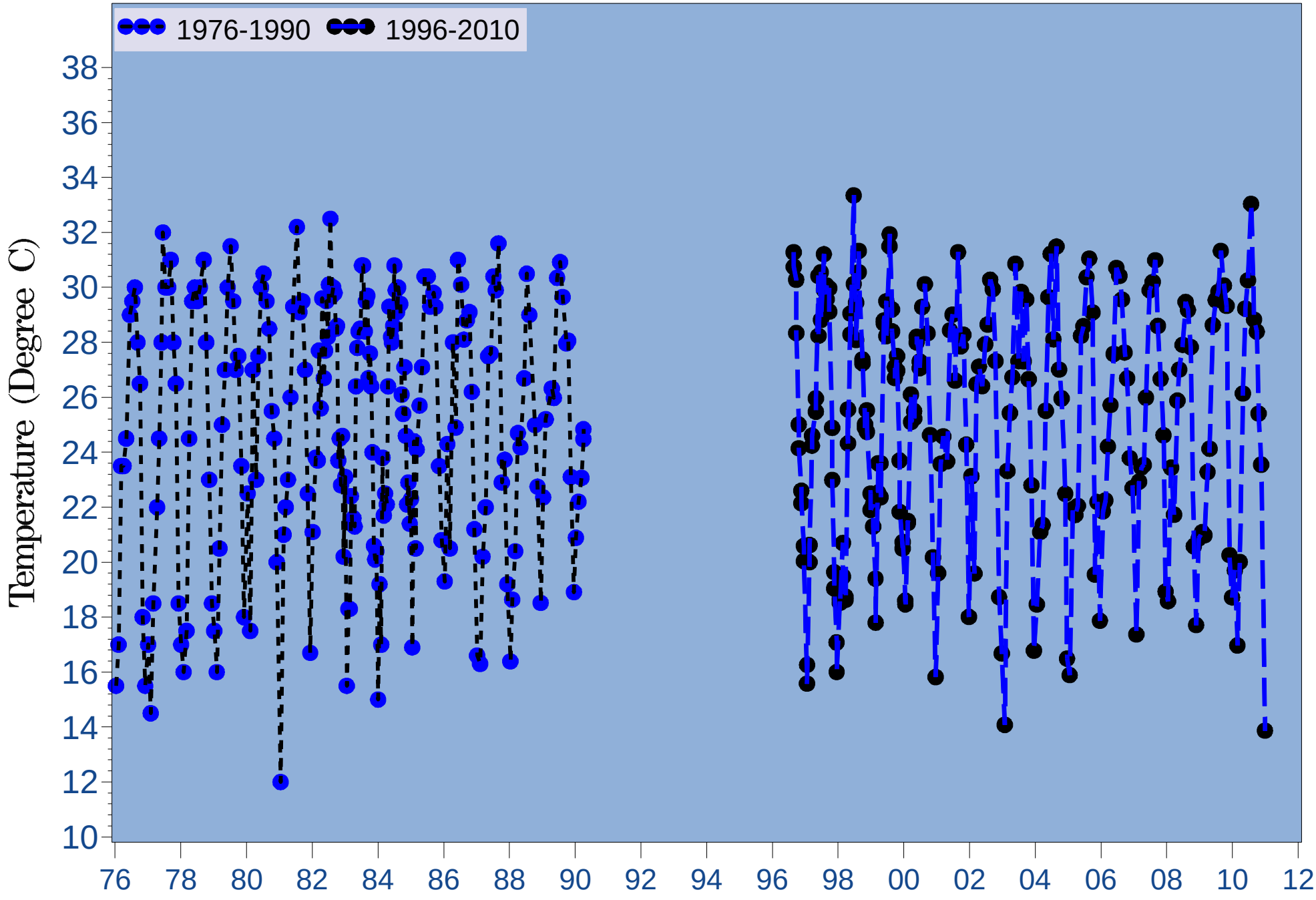


Figure 4.14c Monthly long-term surface temperature at river kilometer 15.5

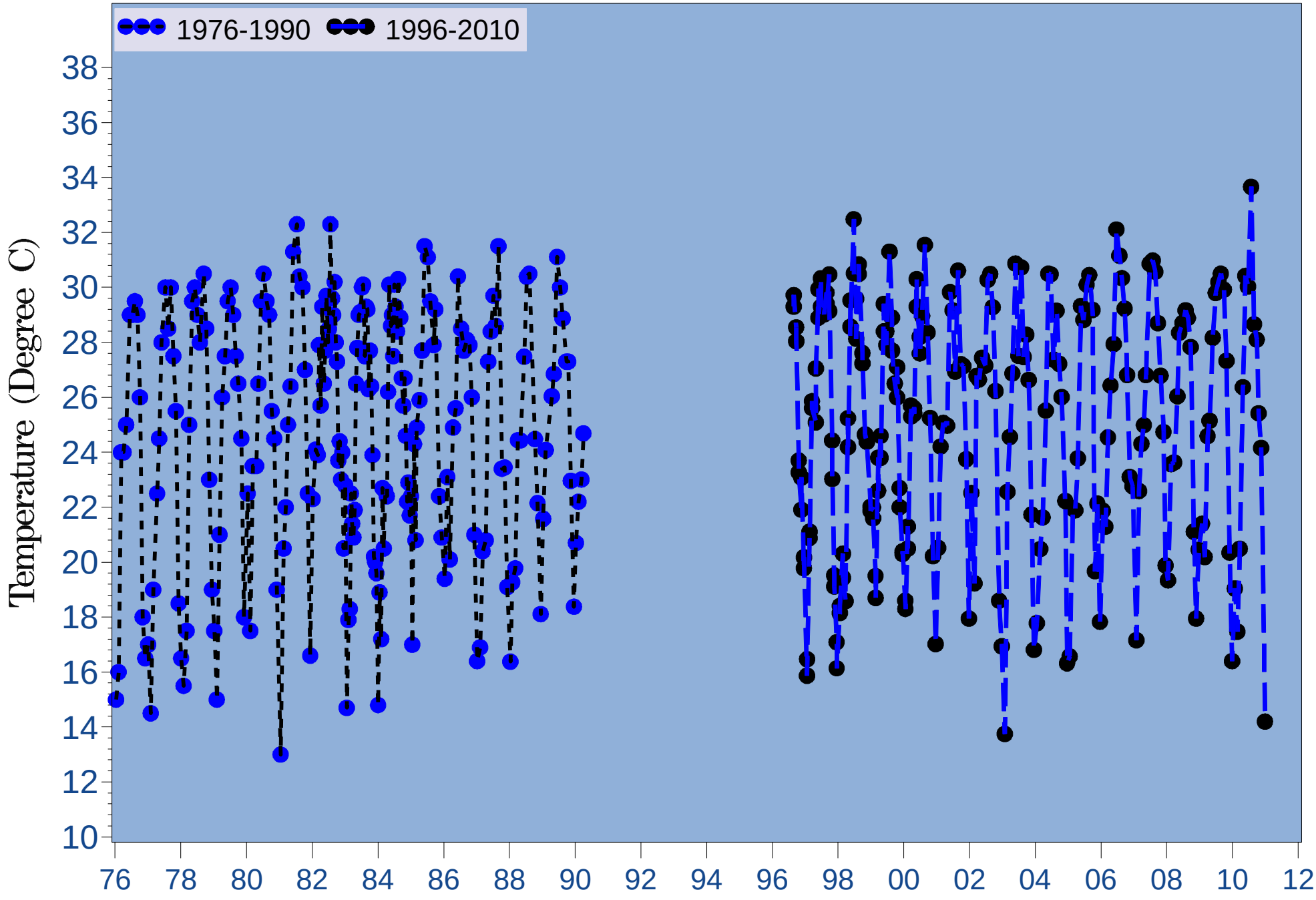


Figure 4.14d Monthly long-term surface temperature at river kilometer 23.6

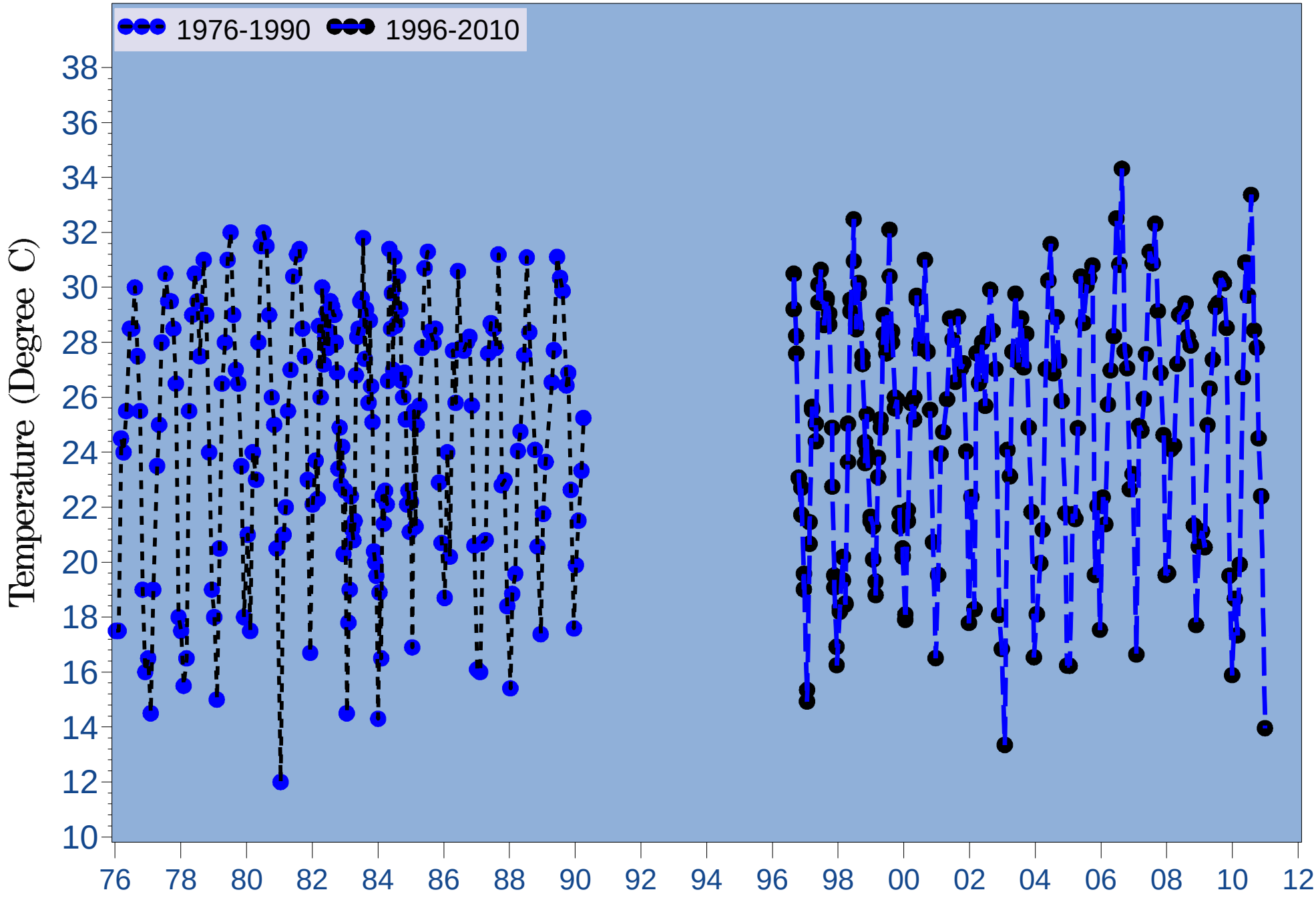


Figure 4.14e Monthly long-term surface temperature at river kilometer 30.7

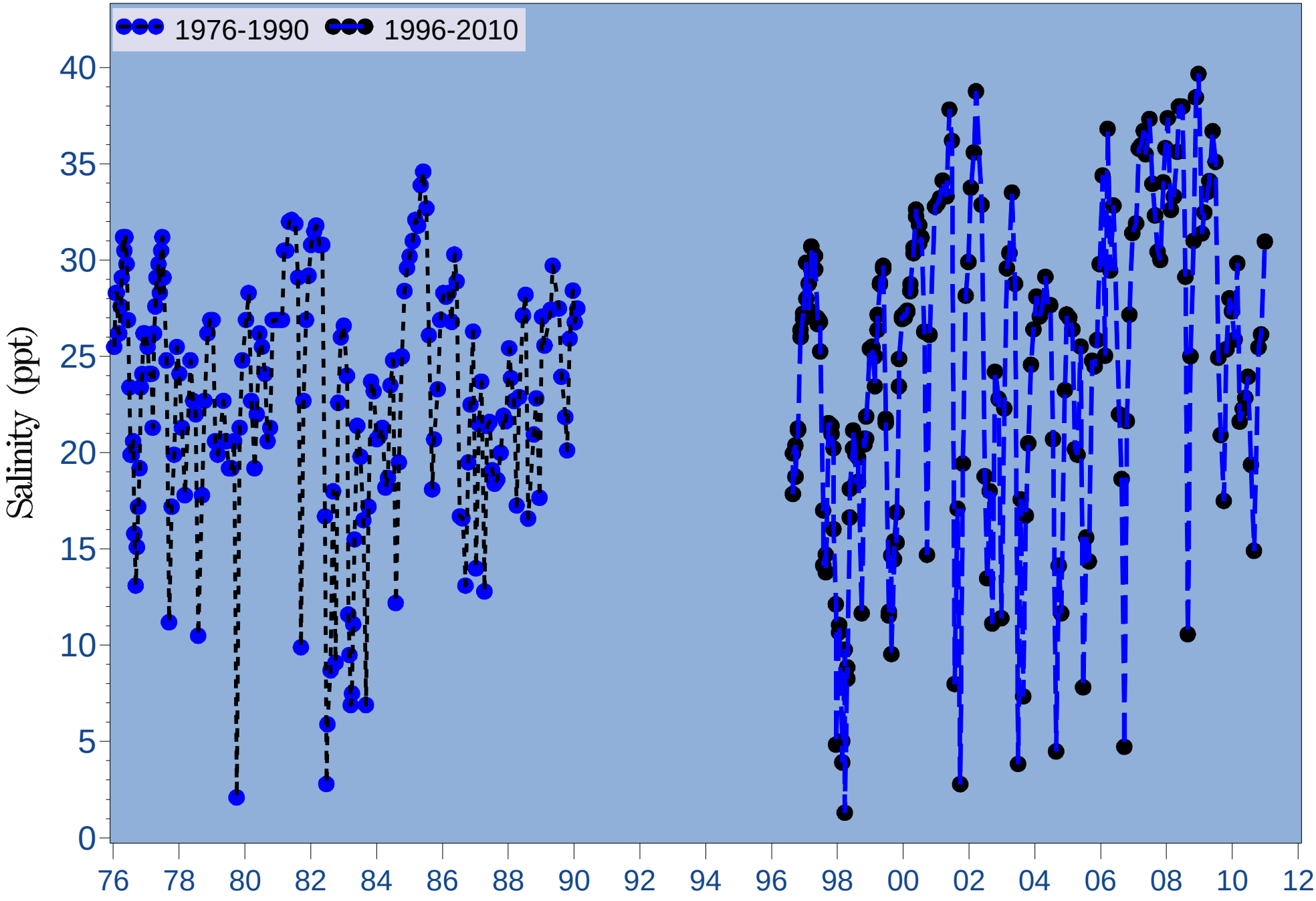


Figure 4.15a Monthly long-term surface salinity at river kilometer -2.4

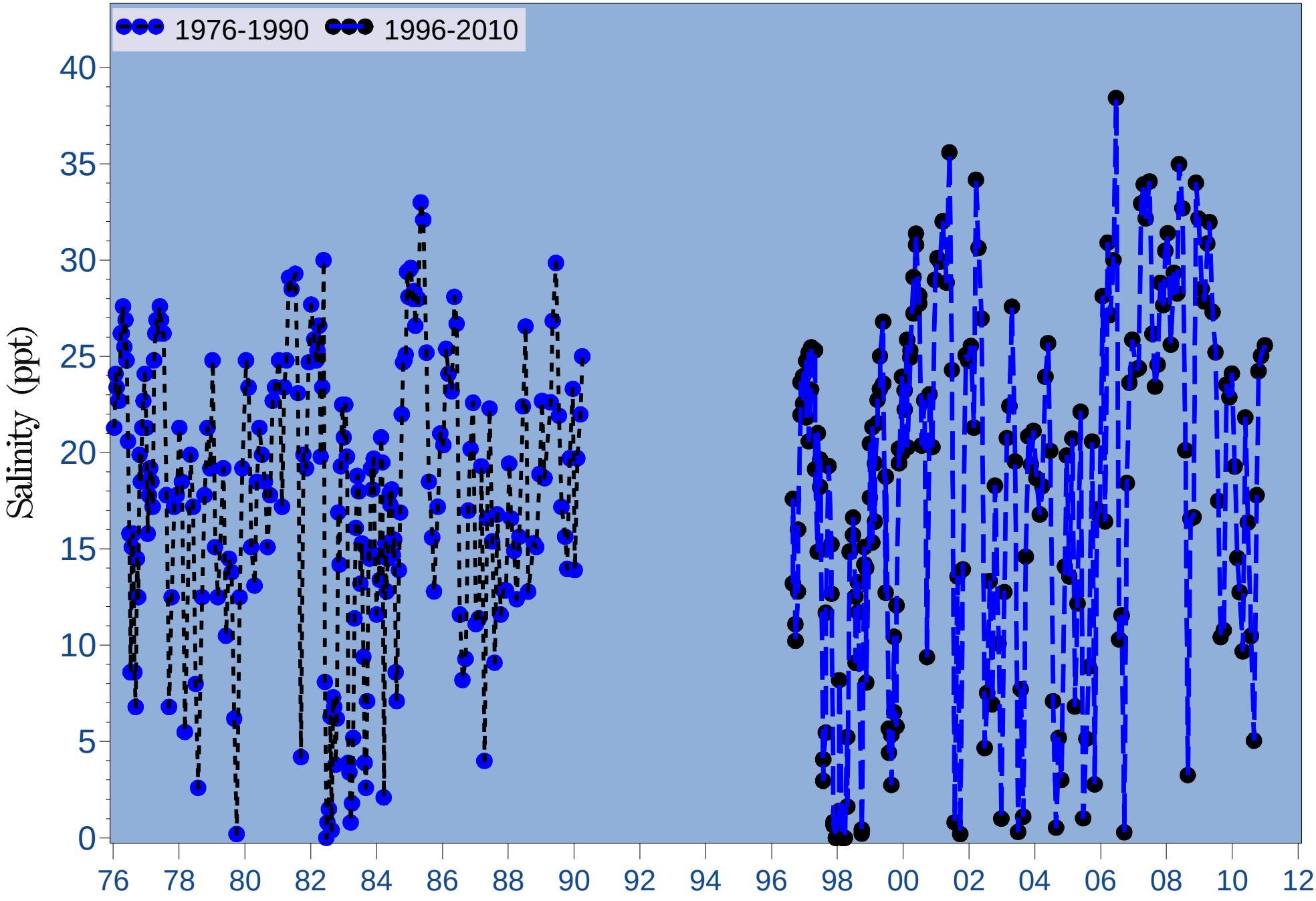


Figure 4.15b Monthly long-term surface salinity at river kilometer 6.6

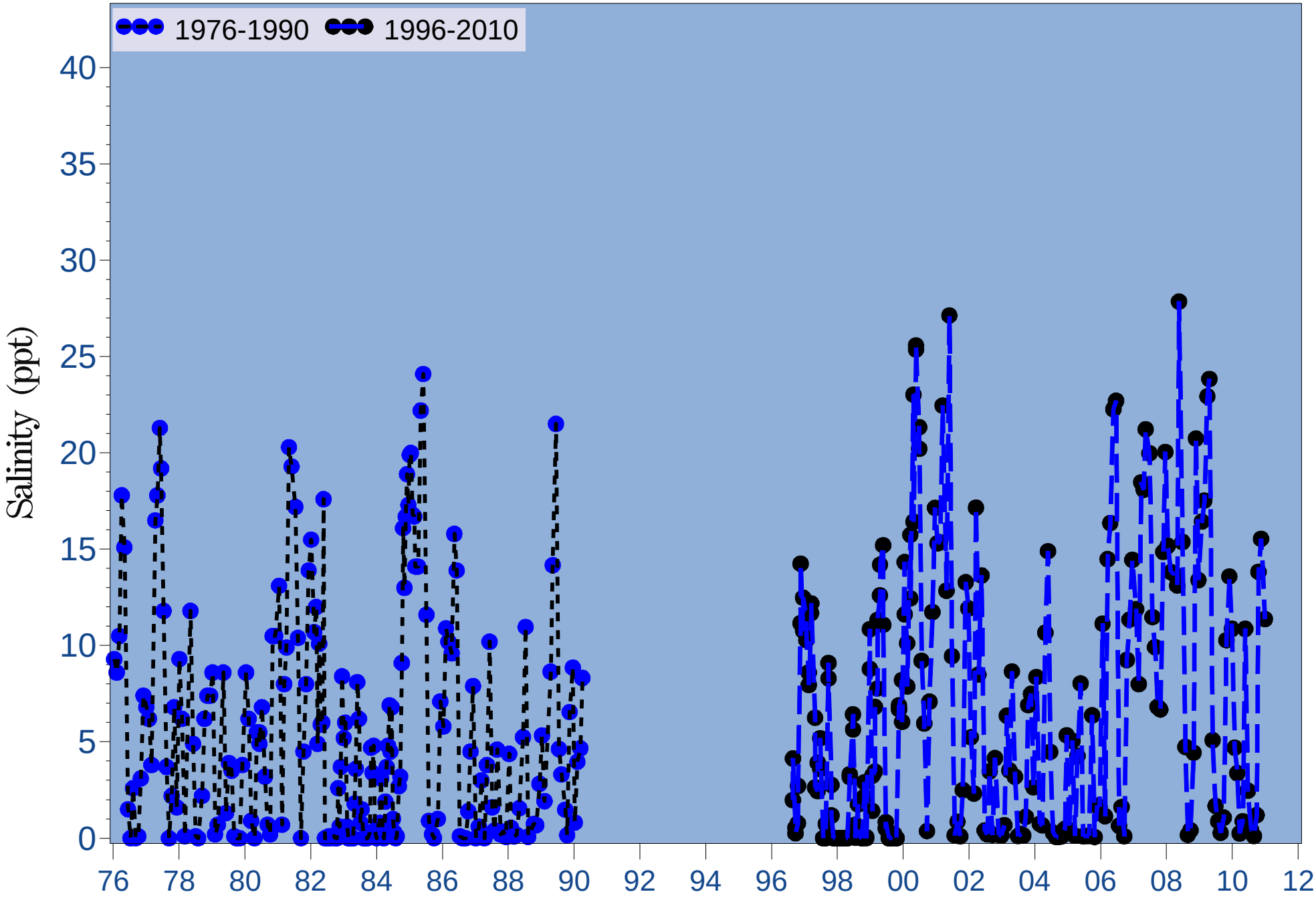


Figure 4.15c Monthly long-term surface salinity at river kilometer 15.5

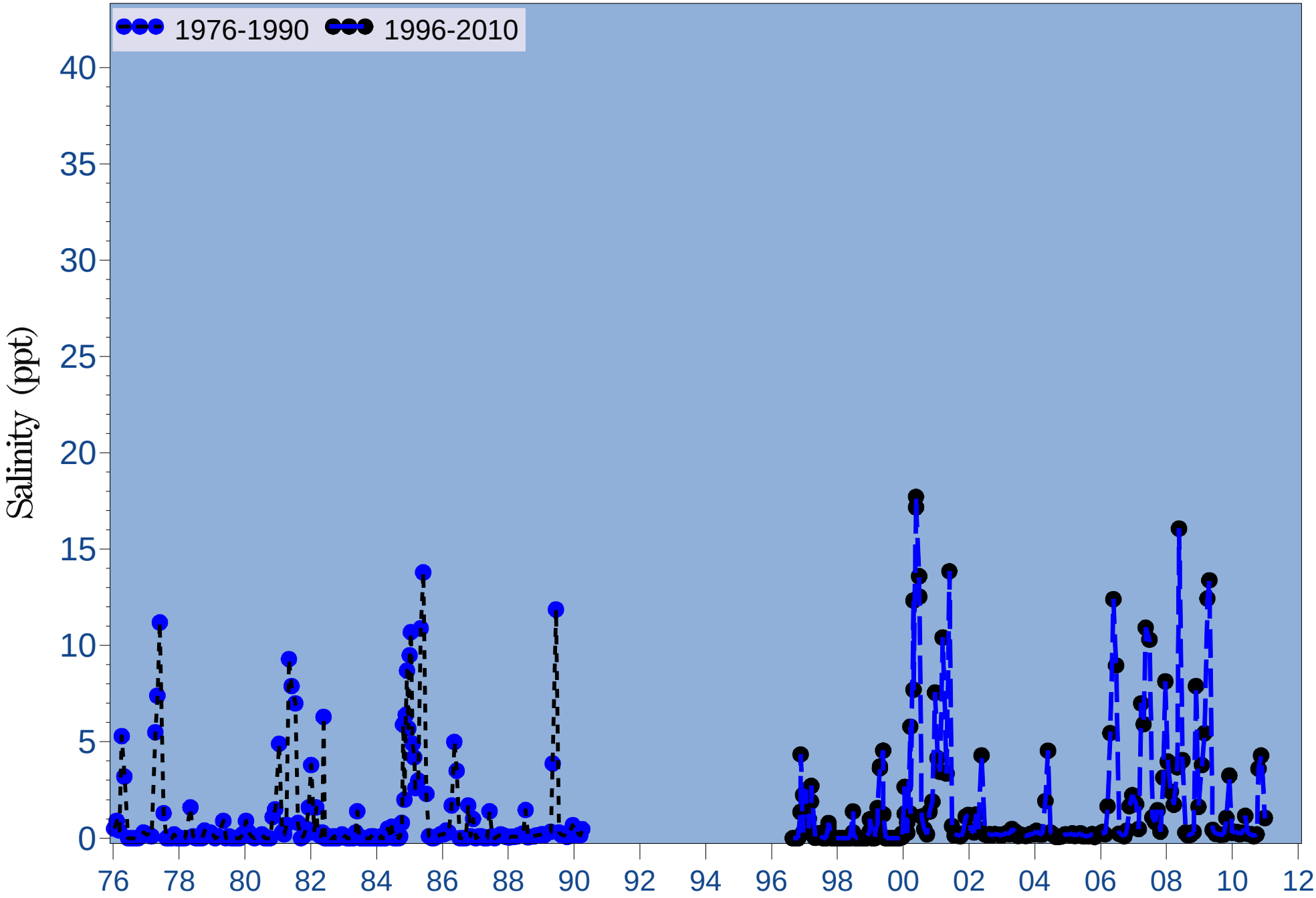


Figure 4.15d Monthly long-term surface salinity at river kilometer 23.6

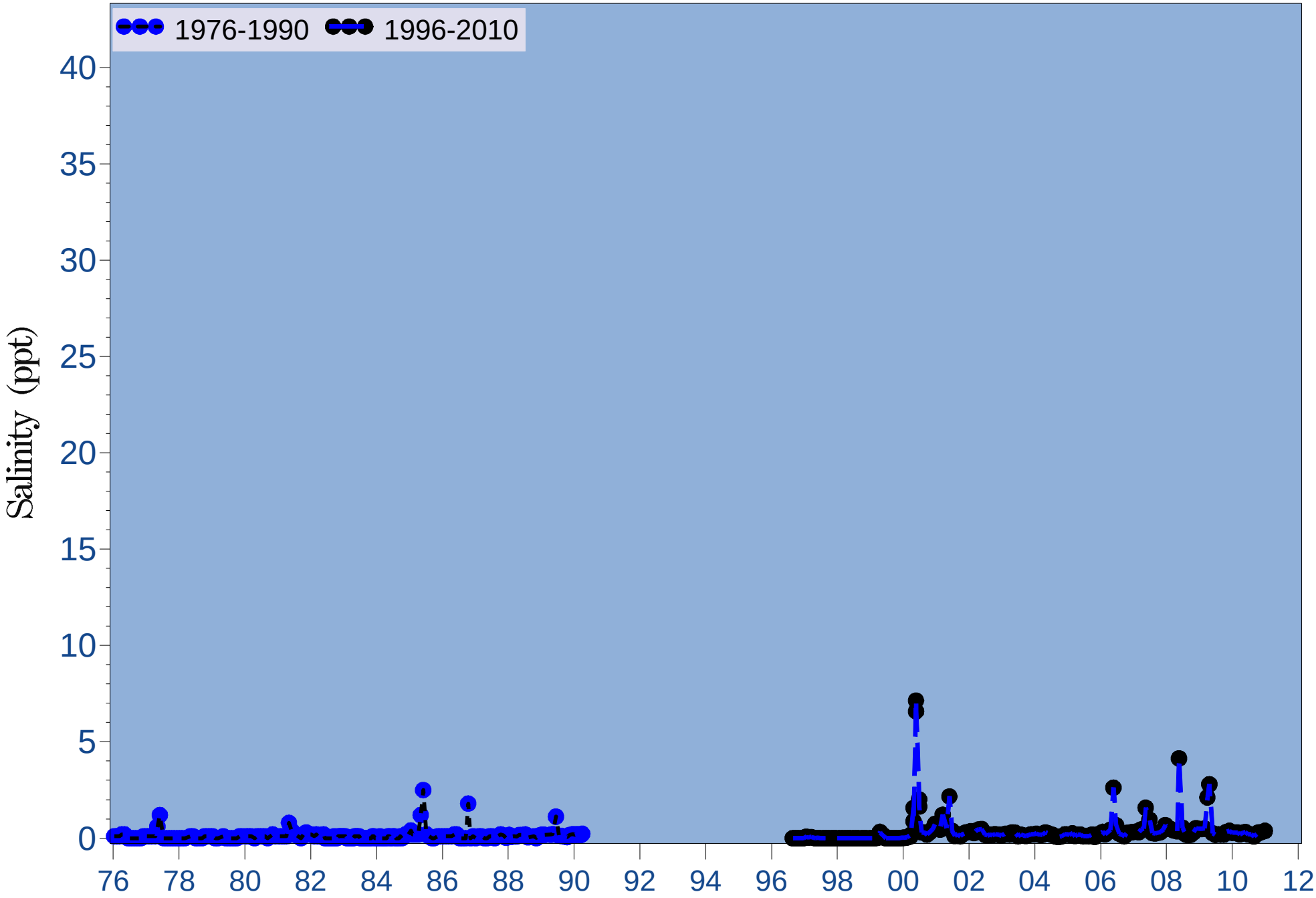


Figure 4.15e Monthly long-term surface salinity at river kilometer 30.7

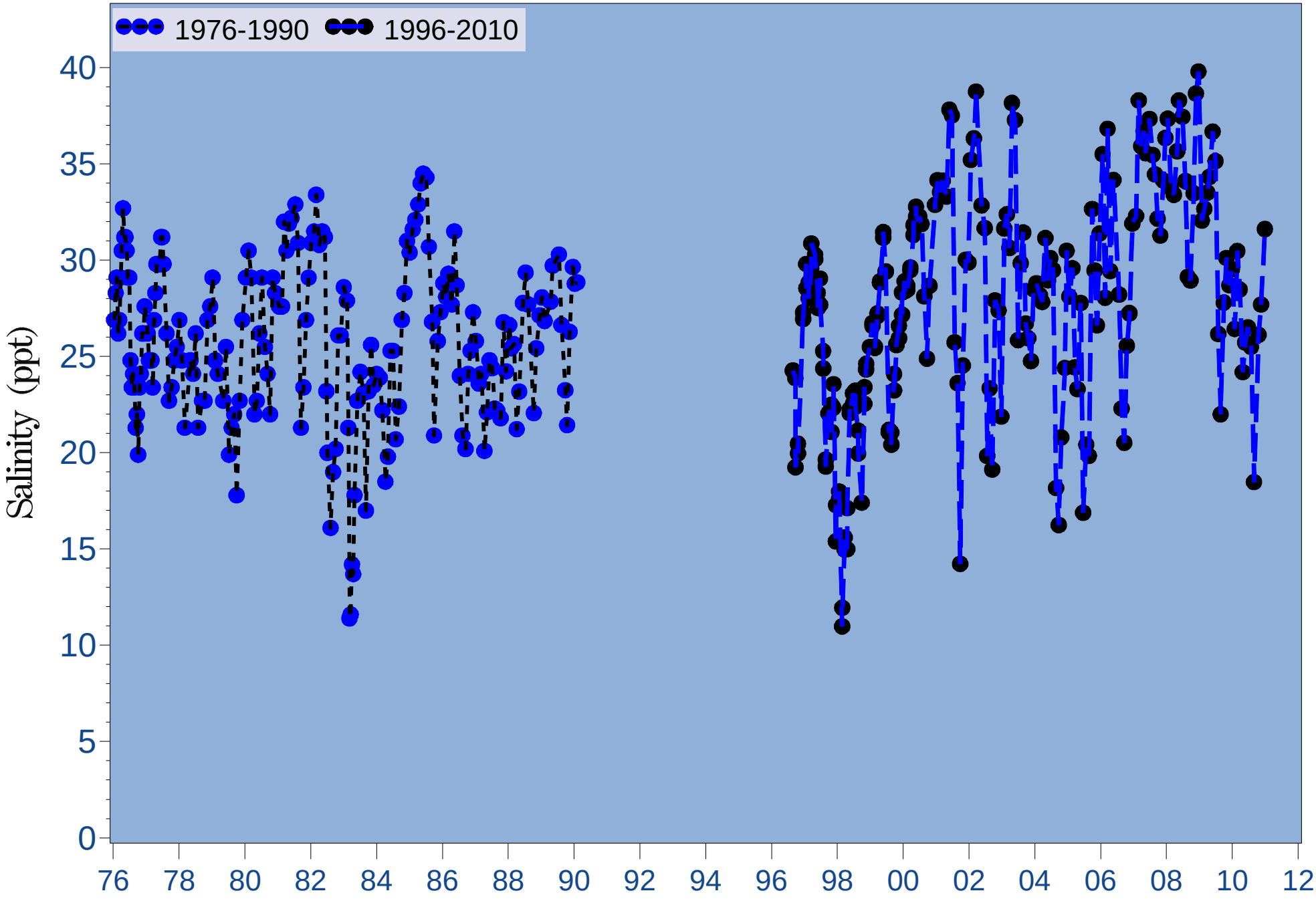


Figure 4.16a Monthly long-term bottom salinity at river kilometer -2.4

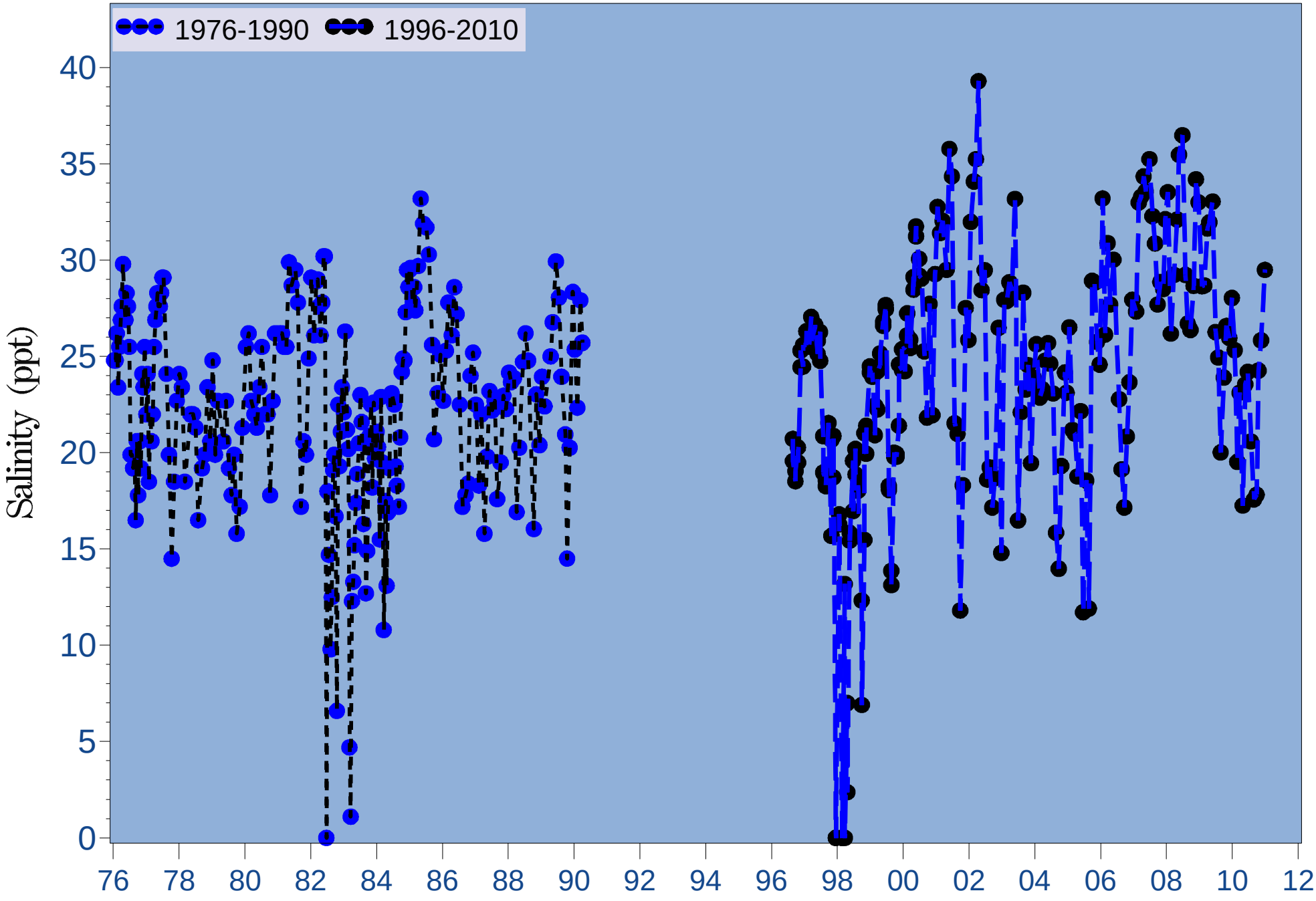


Figure 4.16b Monthly long-term bottom salinity at river kilometer 6.6

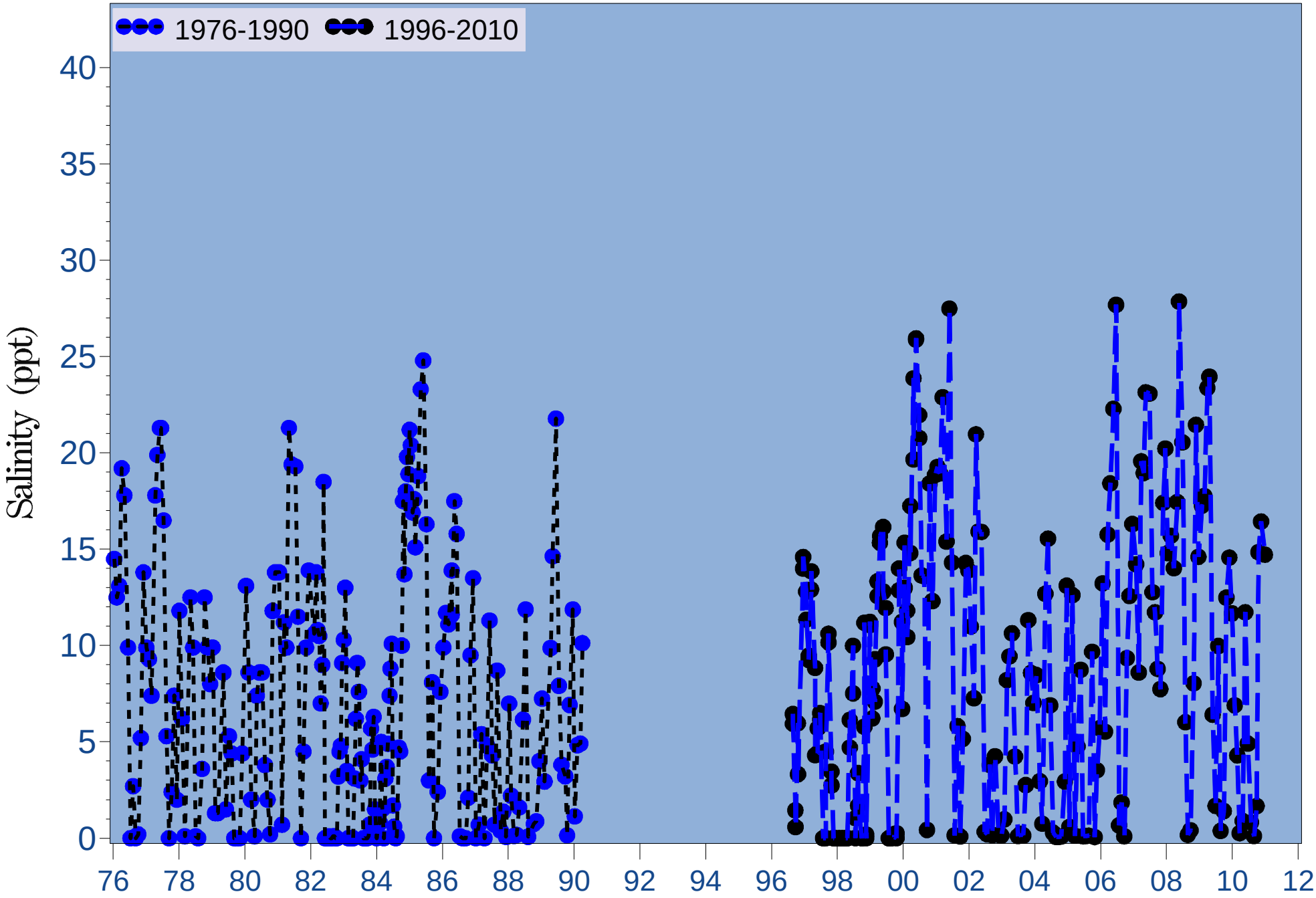


Figure 4.16c Monthly long-term bottom salinity at river kilometer 15.5

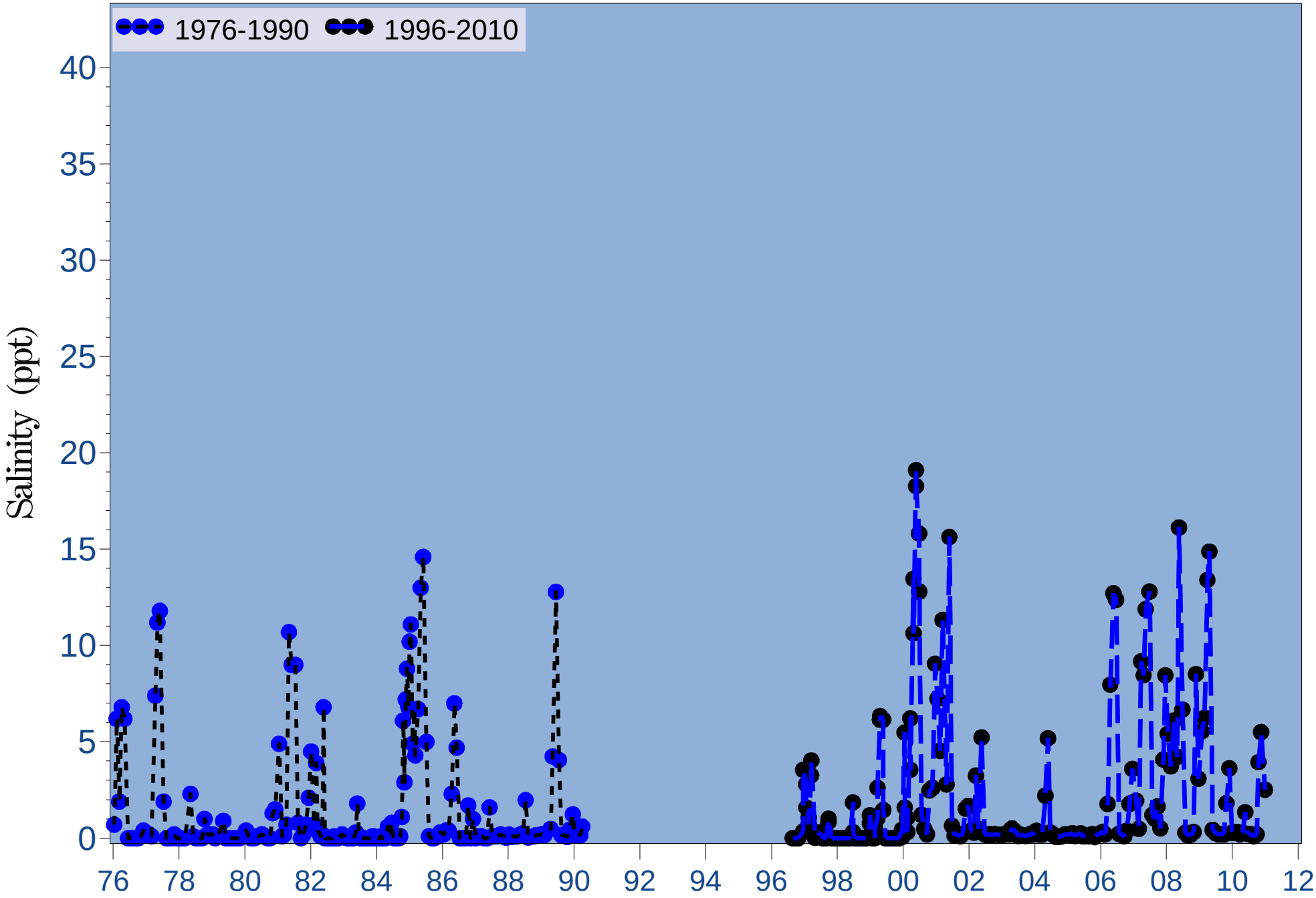


Figure 4.16d Monthly long-term bottom salinity at river kilometer 23.6

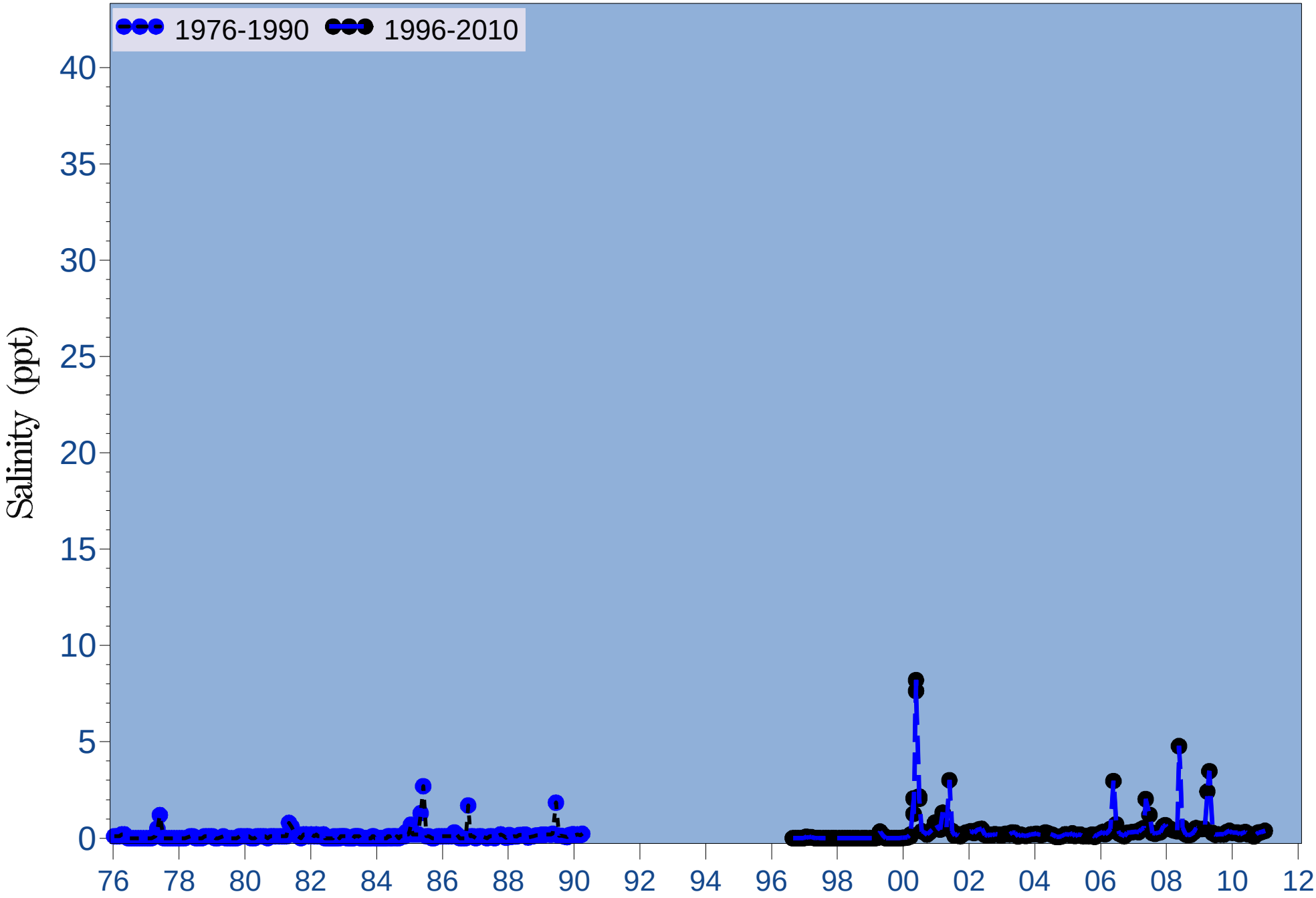


Figure 4.16e Monthly long-term bottom salinity at river kilometer 30.7

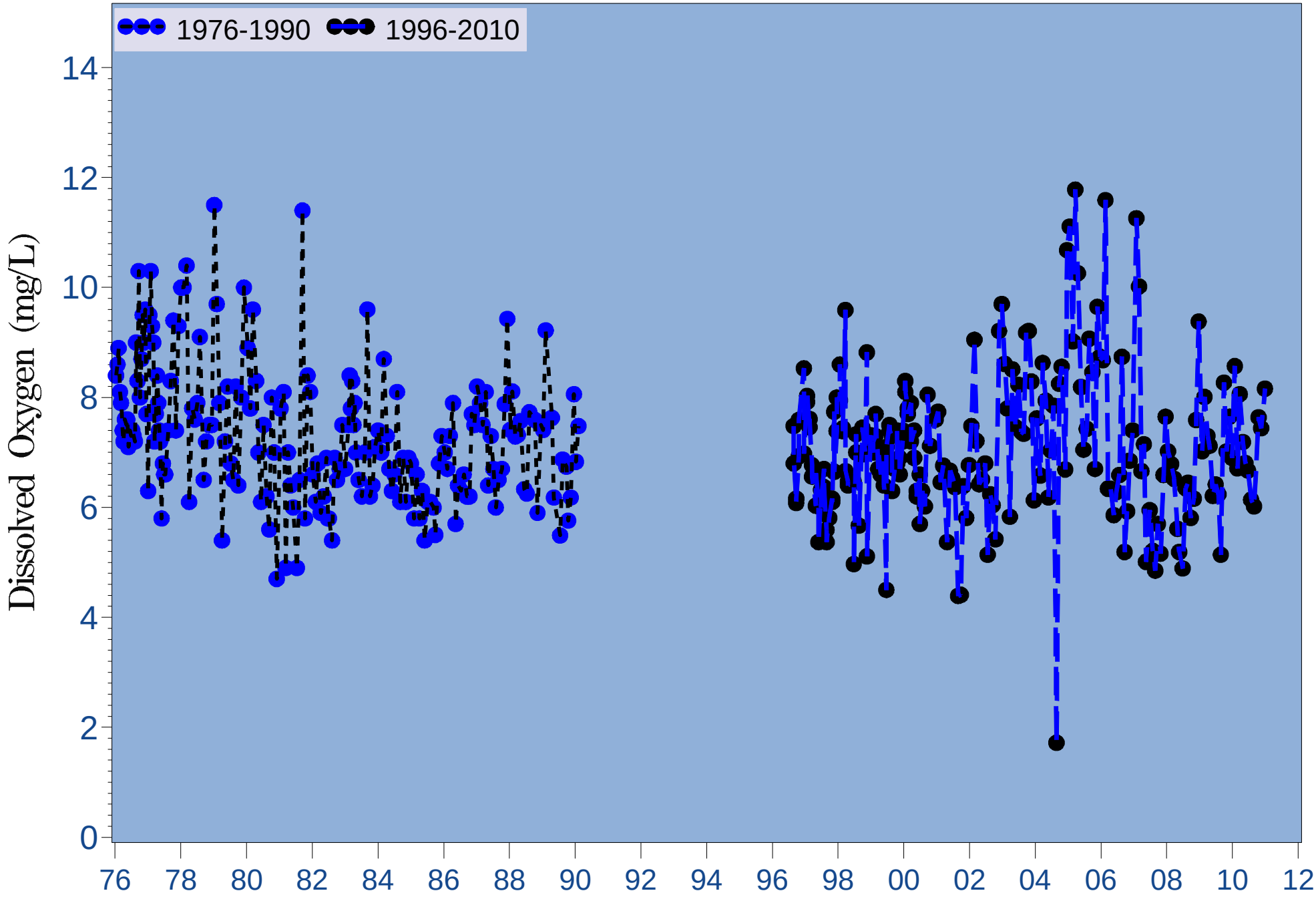


Figure 4.17a Monthly long-term surface dissolved oxygen at river kilometer -2.4

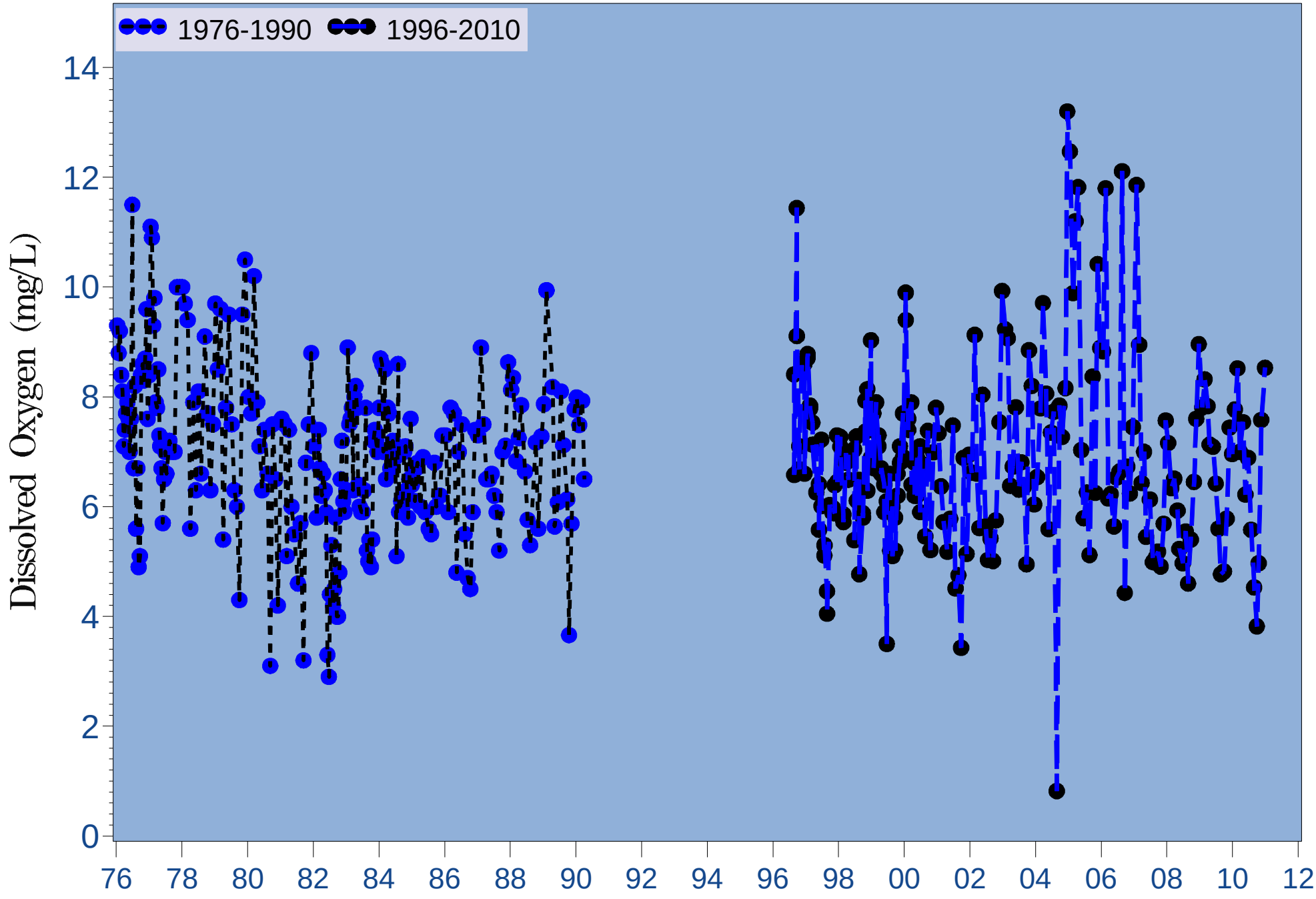


Figure 4.17b Monthly long-term surface dissolved oxygen at river kilometer 6.6

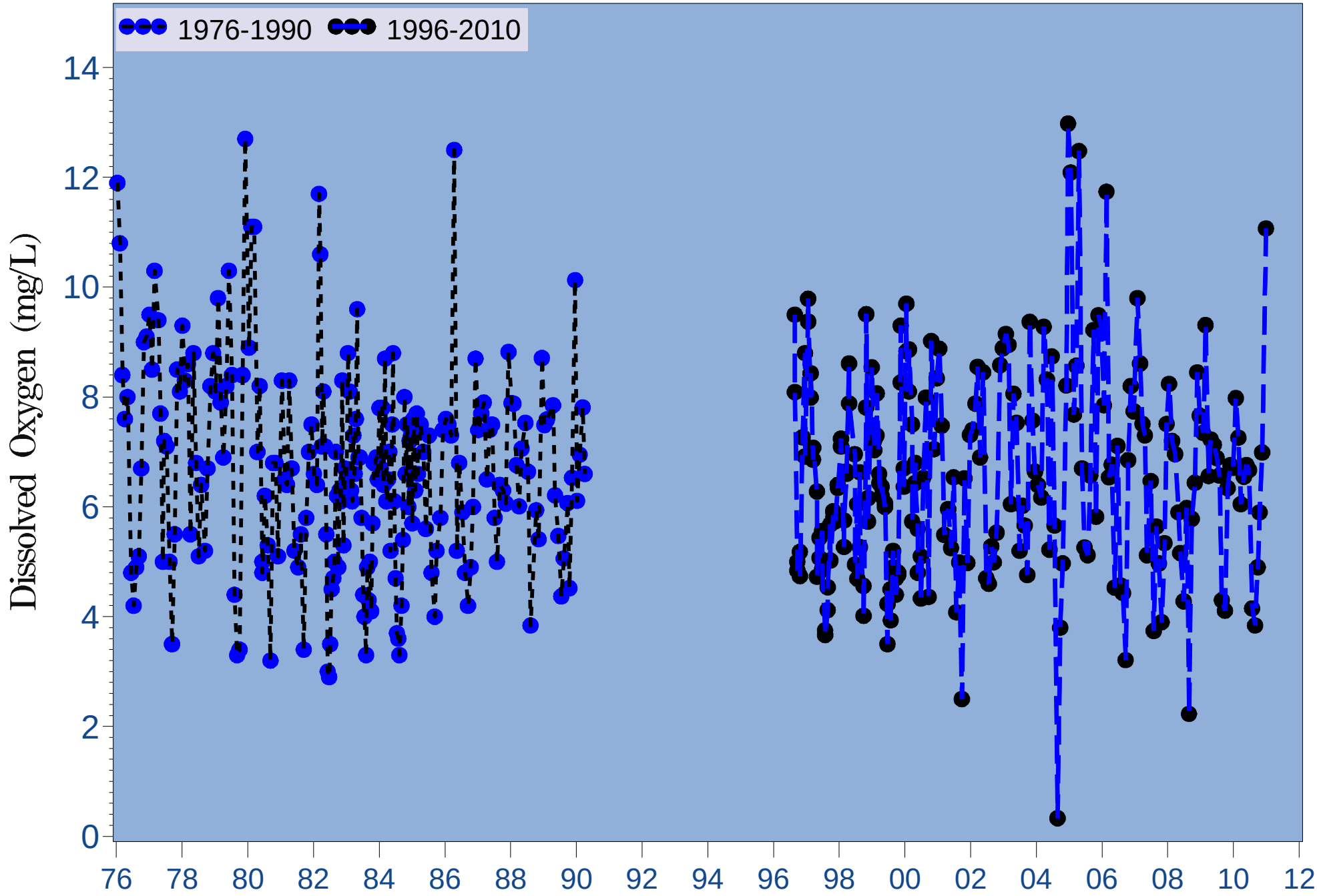


Figure 4.17c Monthly long-term surface dissolved oxygen at river kilometer 15.5

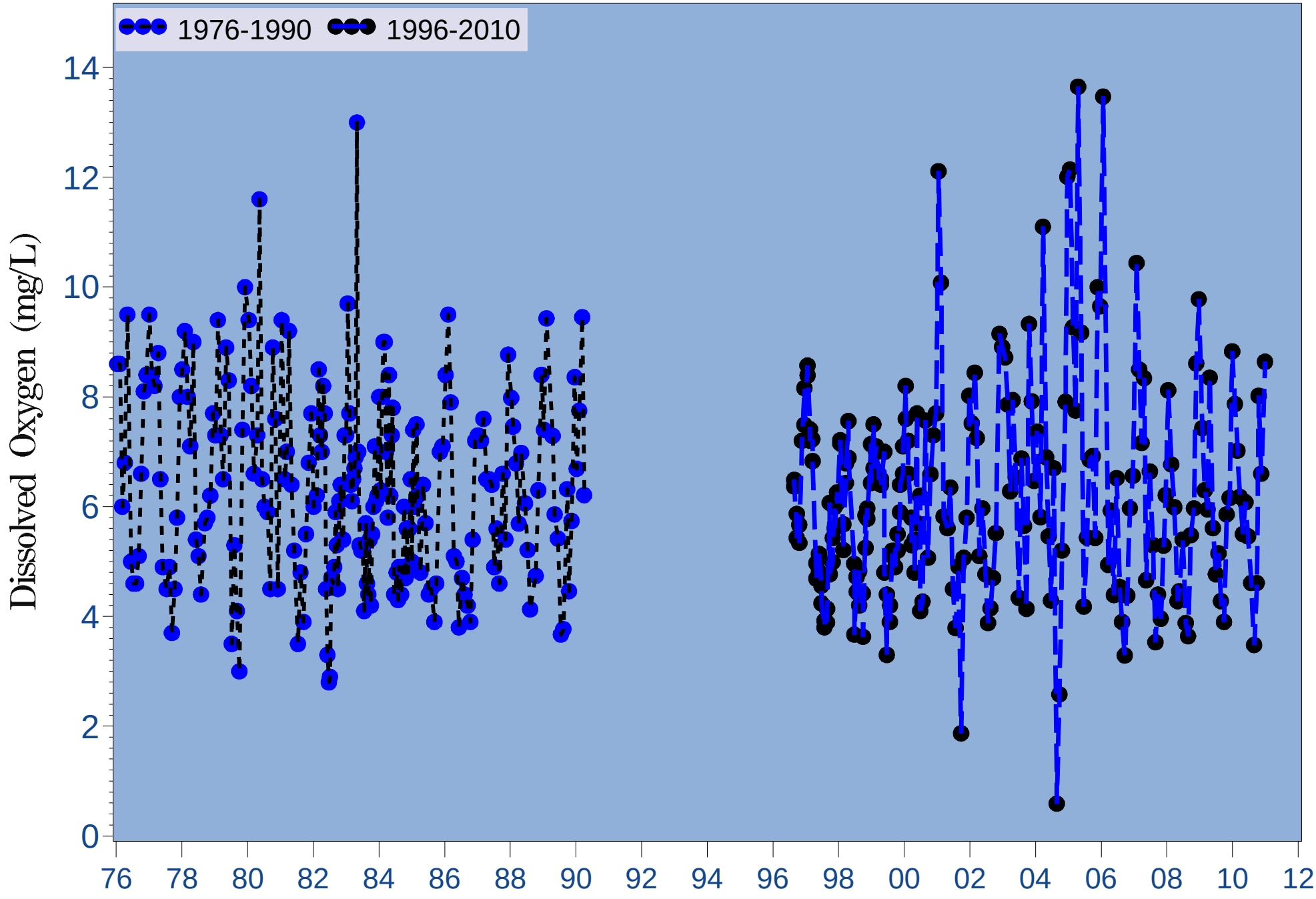


Figure 4.17d Monthly long-term surface dissolved oxygen at river kilometer 23.6

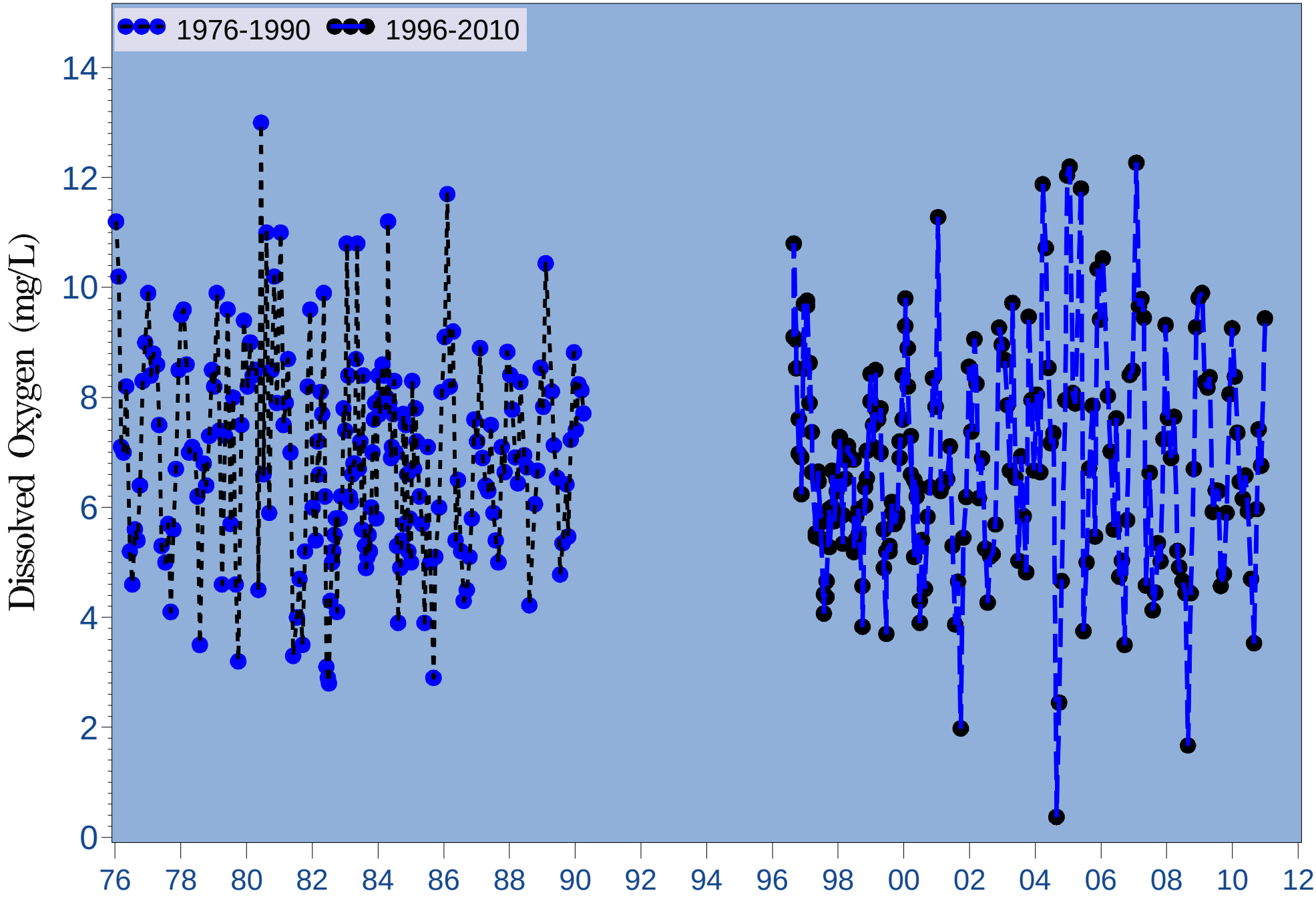


Figure 4.17e Monthly long-term surface dissolved oxygen at river kilometer 30.7

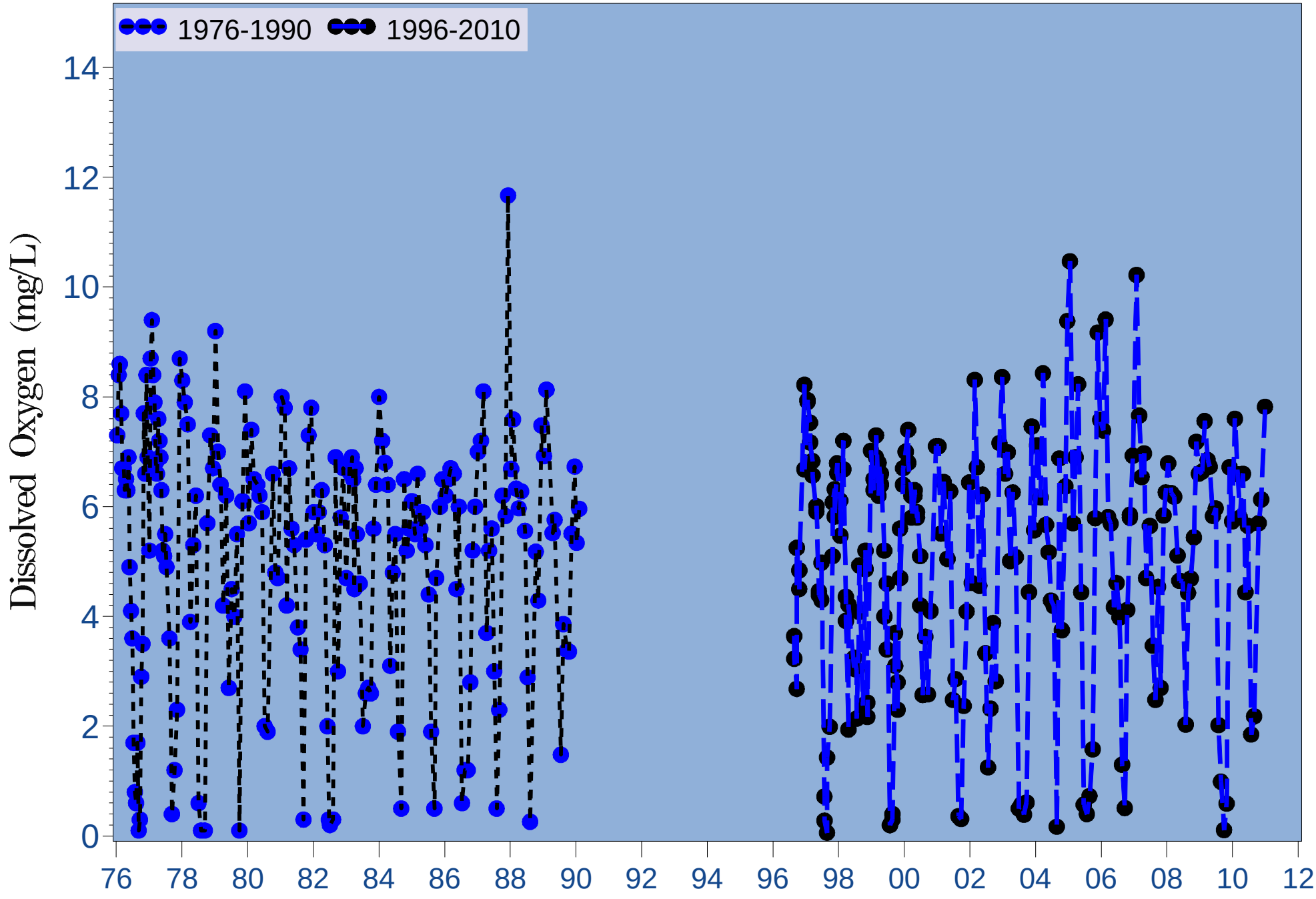


Figure 4.18a Monthly long-term bottom dissolved oxygen at river kilometer -2.4

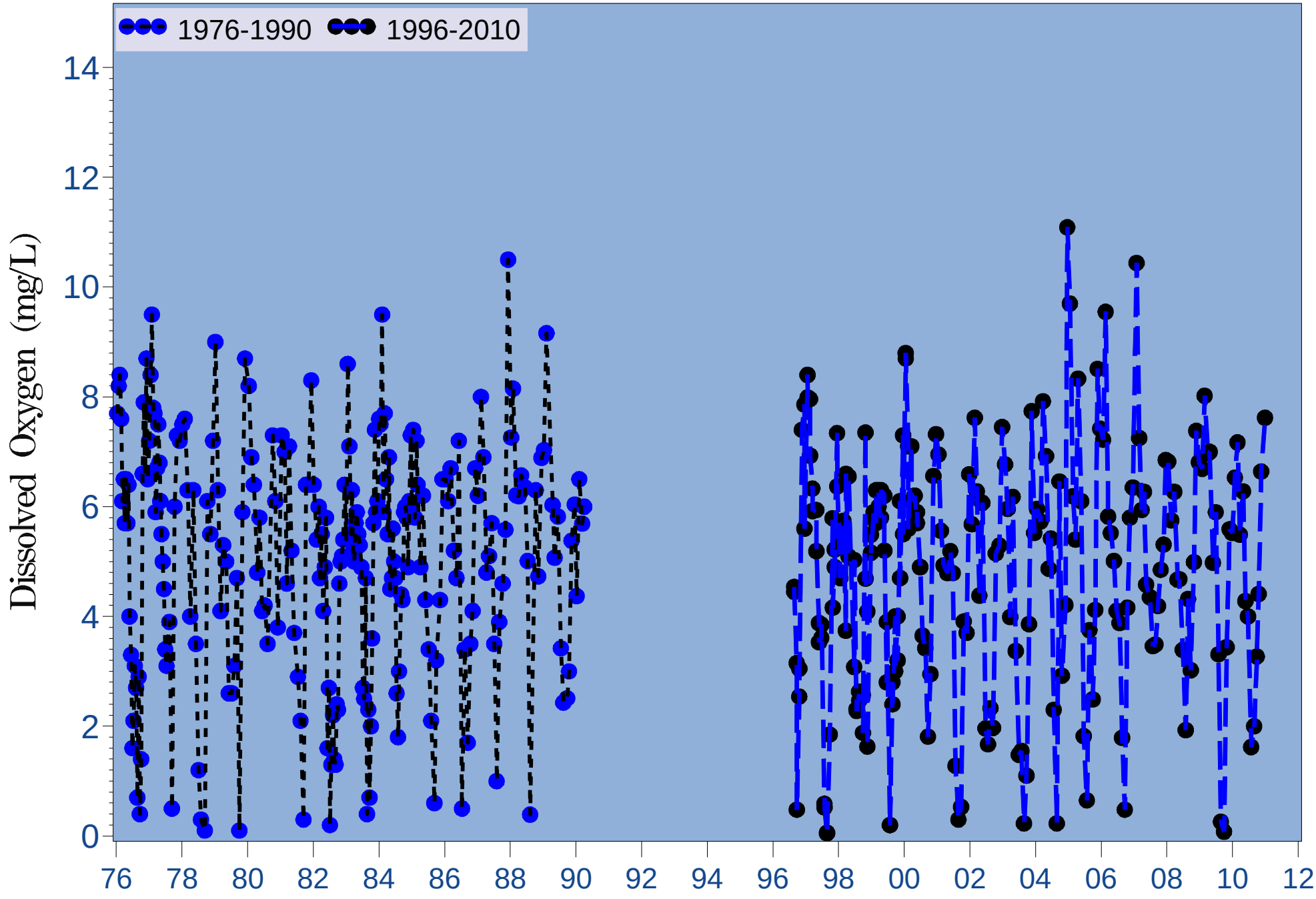


Figure 4.18b Monthly long-term bottom dissolved oxygen at river kilometer 6.6

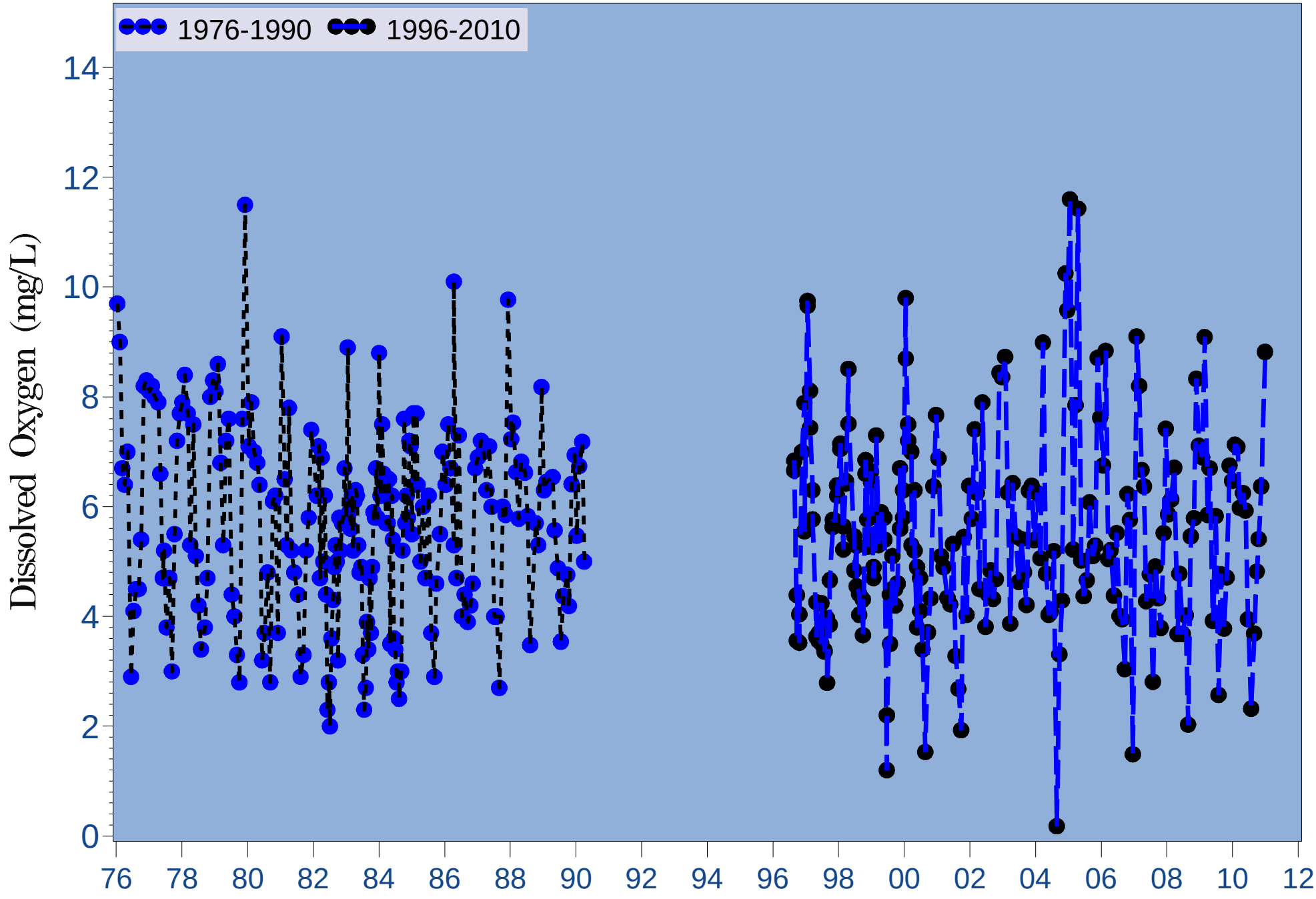


Figure 4.18c Monthly long-term bottom dissolved oxygen at river kilometer 15.5

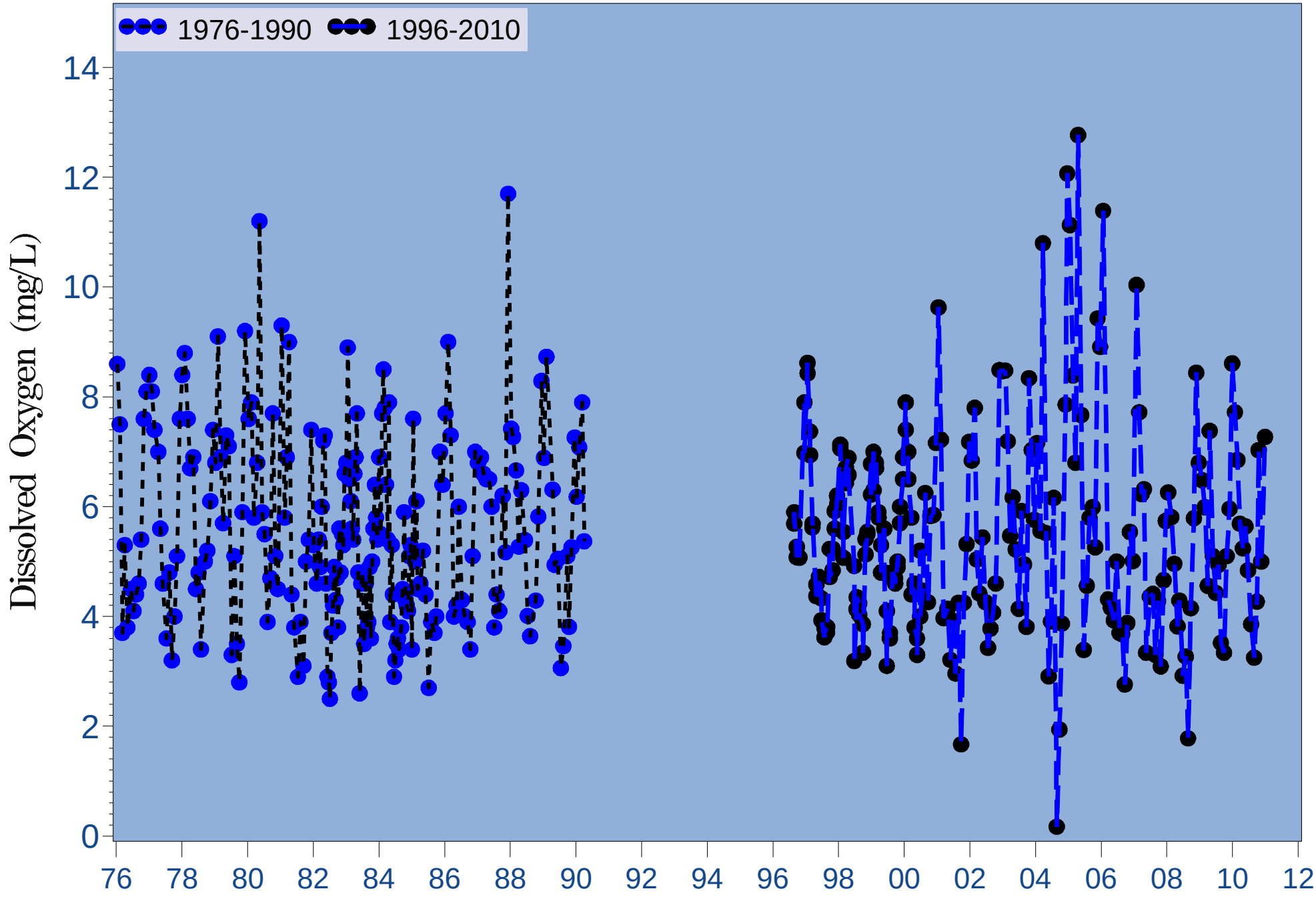


Figure 4.18d Monthly long-term bottom dissolved oxygen at river kilometer 23.6

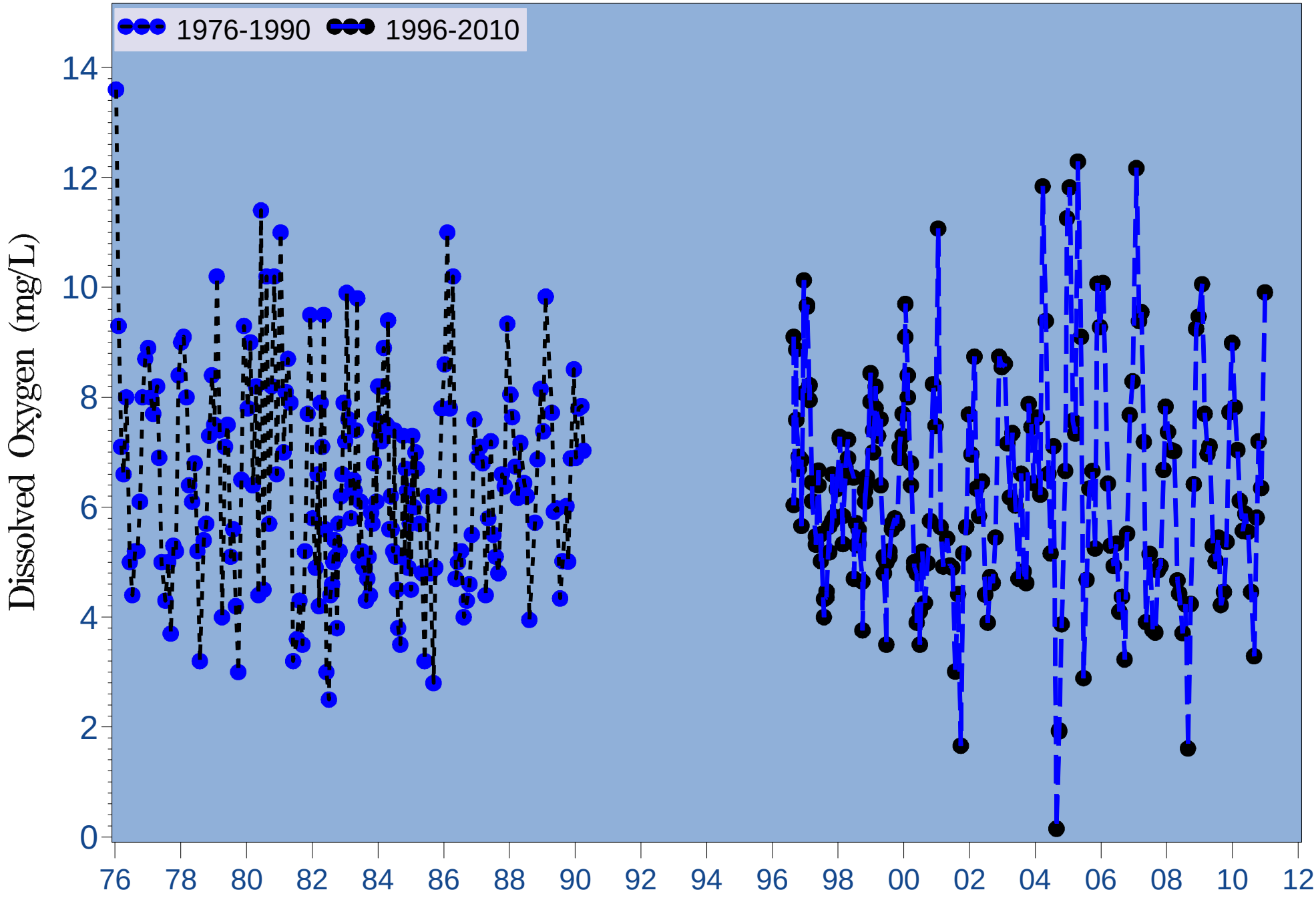


Figure 4.18e Monthly long-term bottom dissolved oxygen at river kilometer 30.7

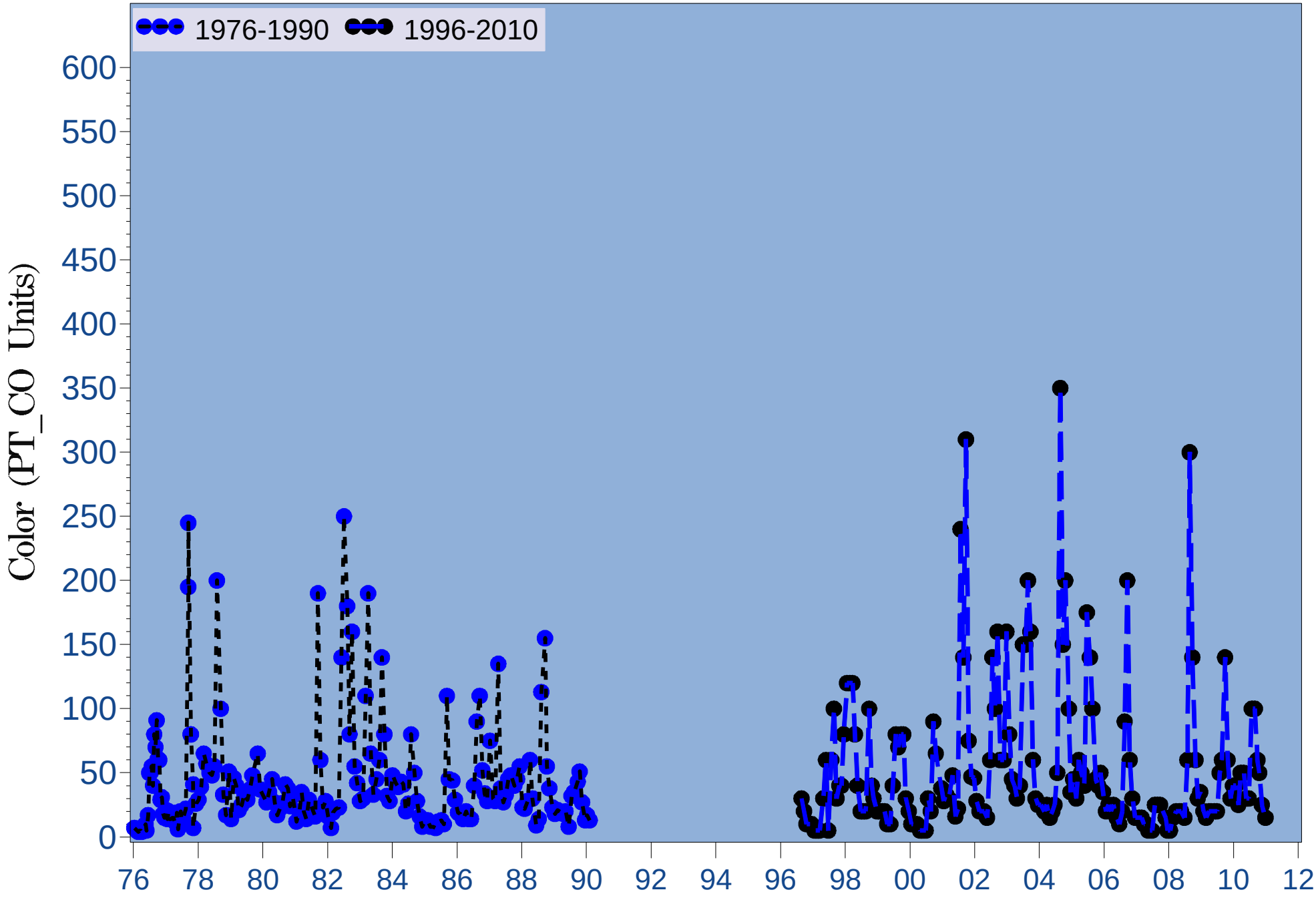


Figure 4.19a Monthly long-term surface color at river kilometer -2.4

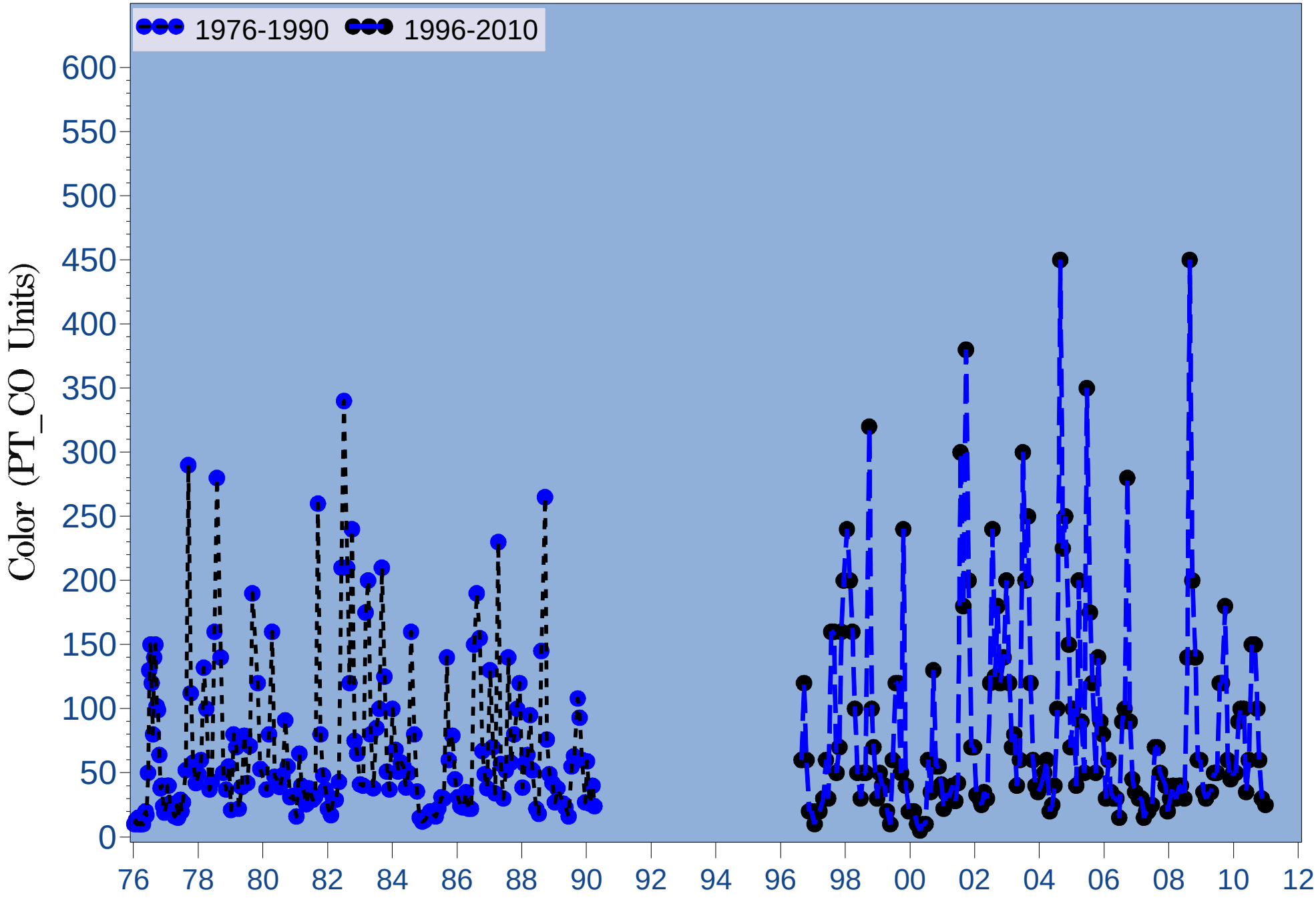


Figure 4.19b Monthly long-term surface color at river kilometer 6.6

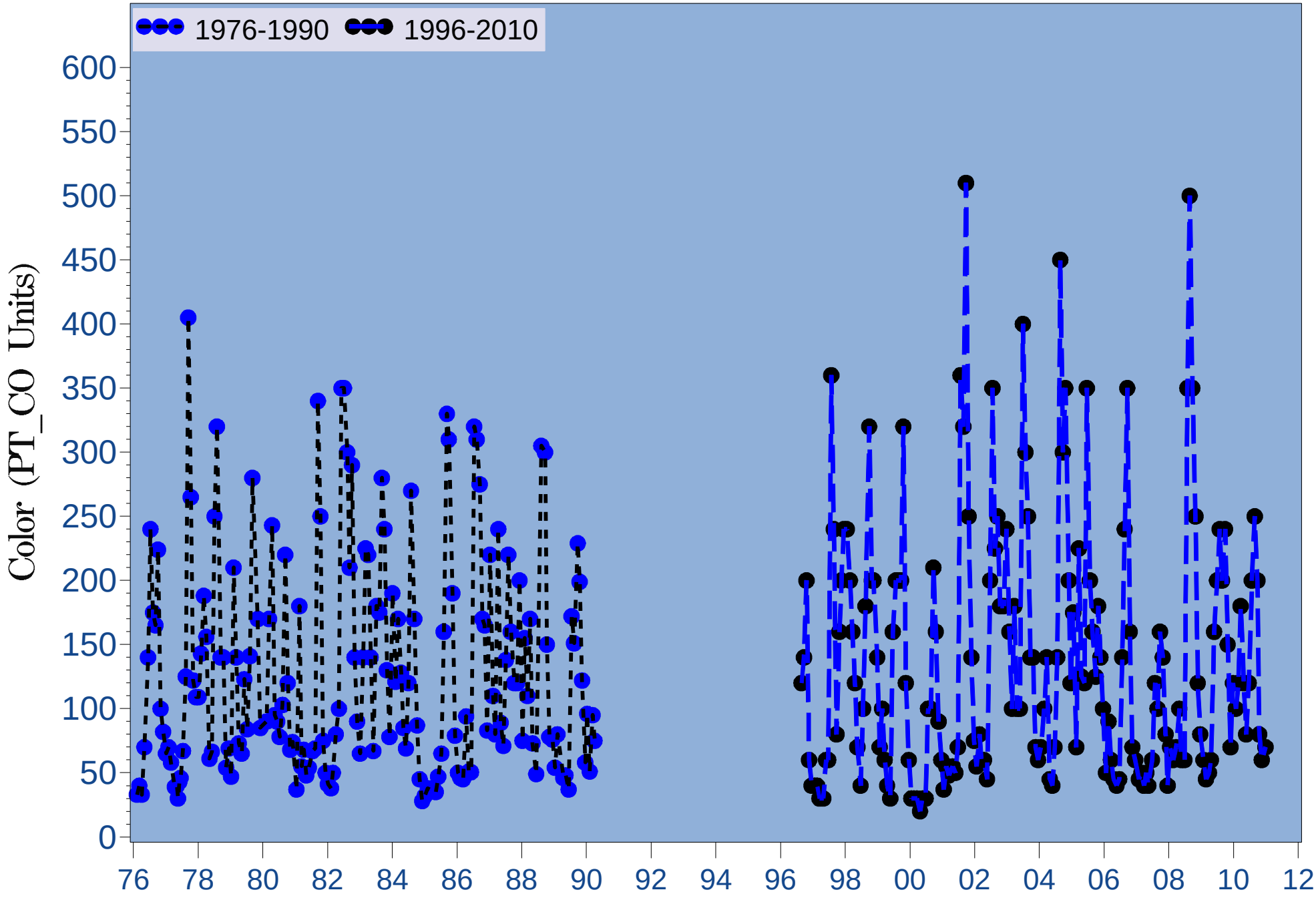


Figure 4.19c Monthly long-term surface color at river kilometer 15.5

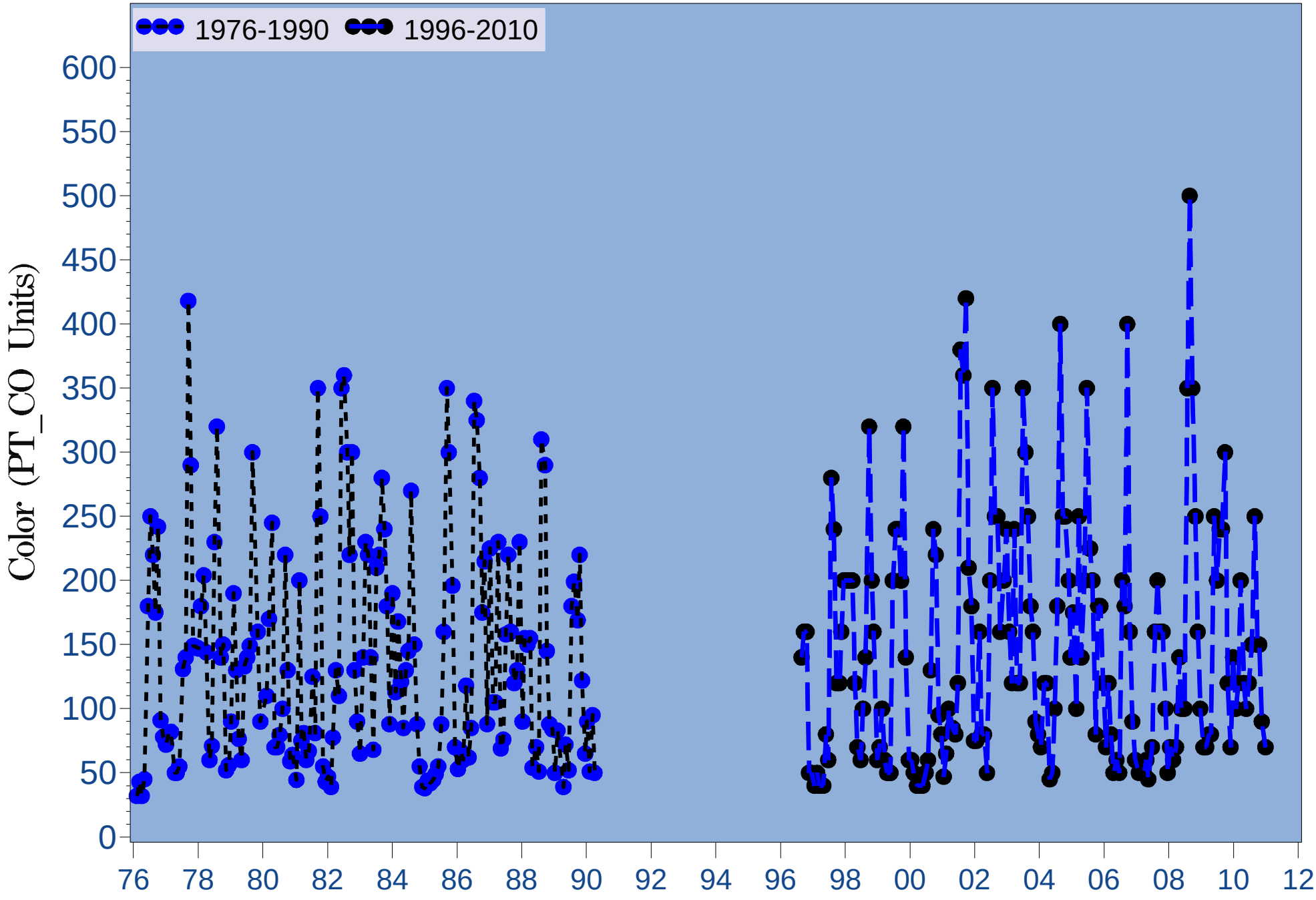


Figure 4.19d Monthly long-term surface color at river kilometer 23.6

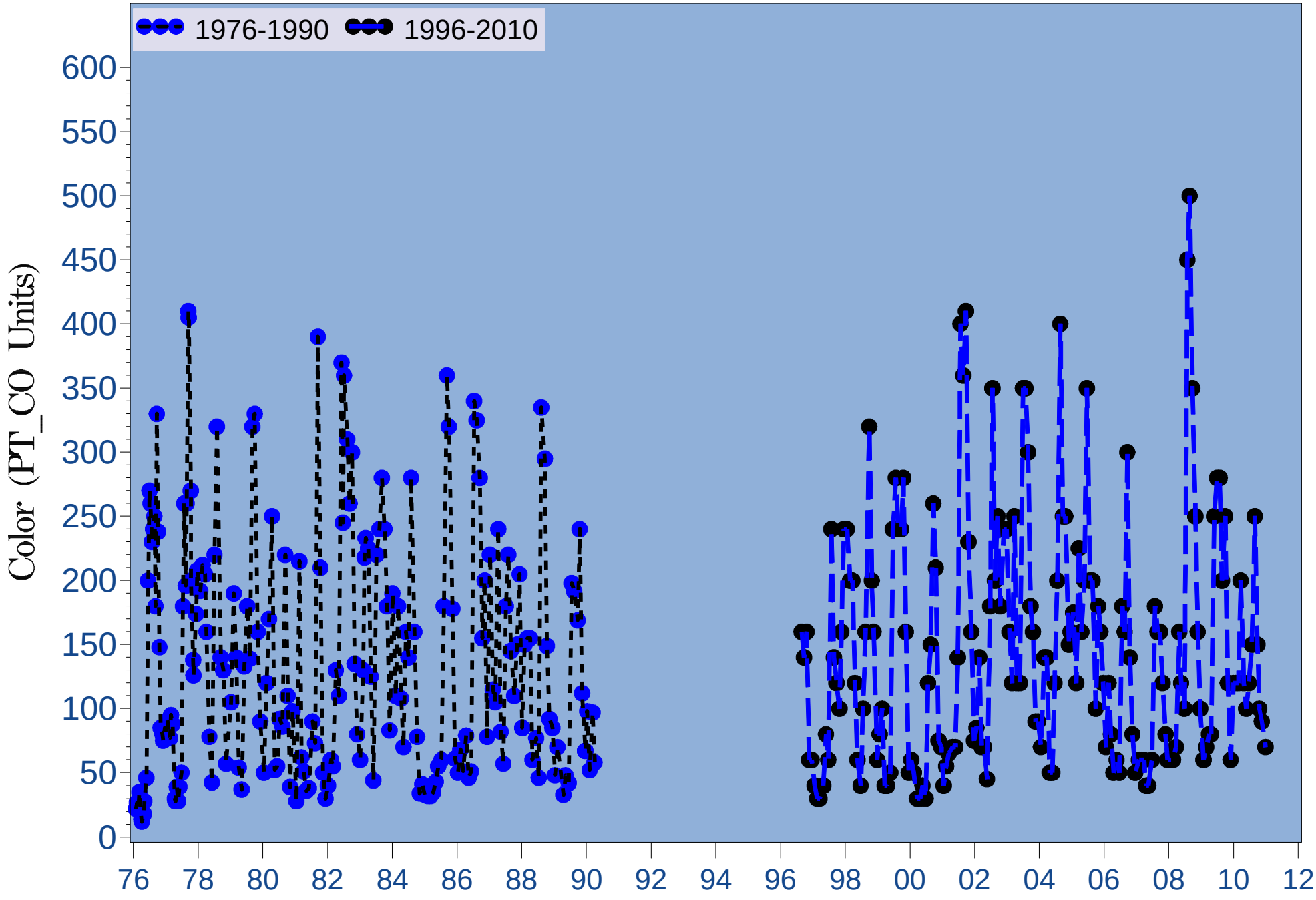


Figure 4.19e Monthly long-term surface color at river kilometer 30.7

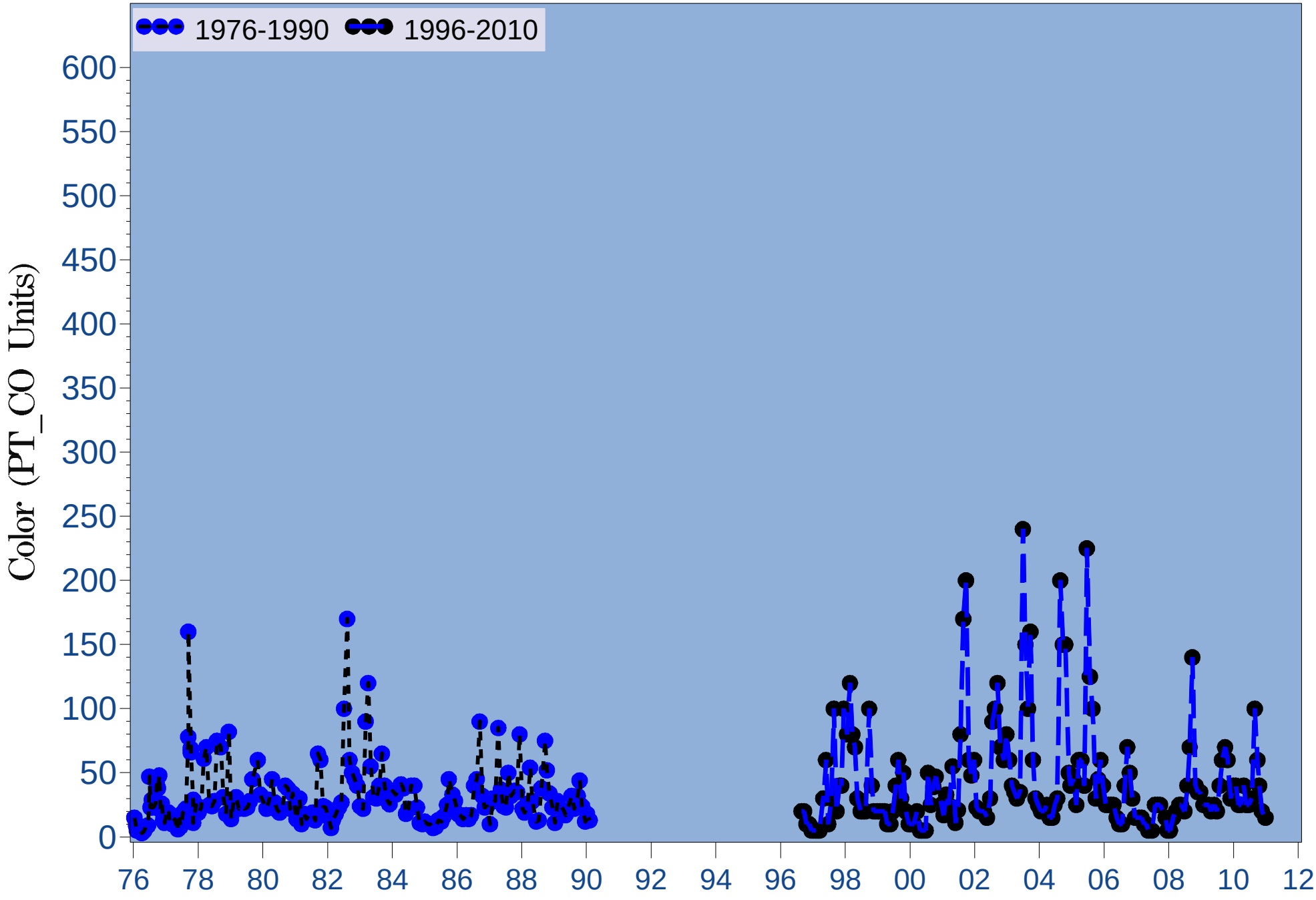


Figure 4.20a Monthly long-term bottom color at river kilometer -2.4

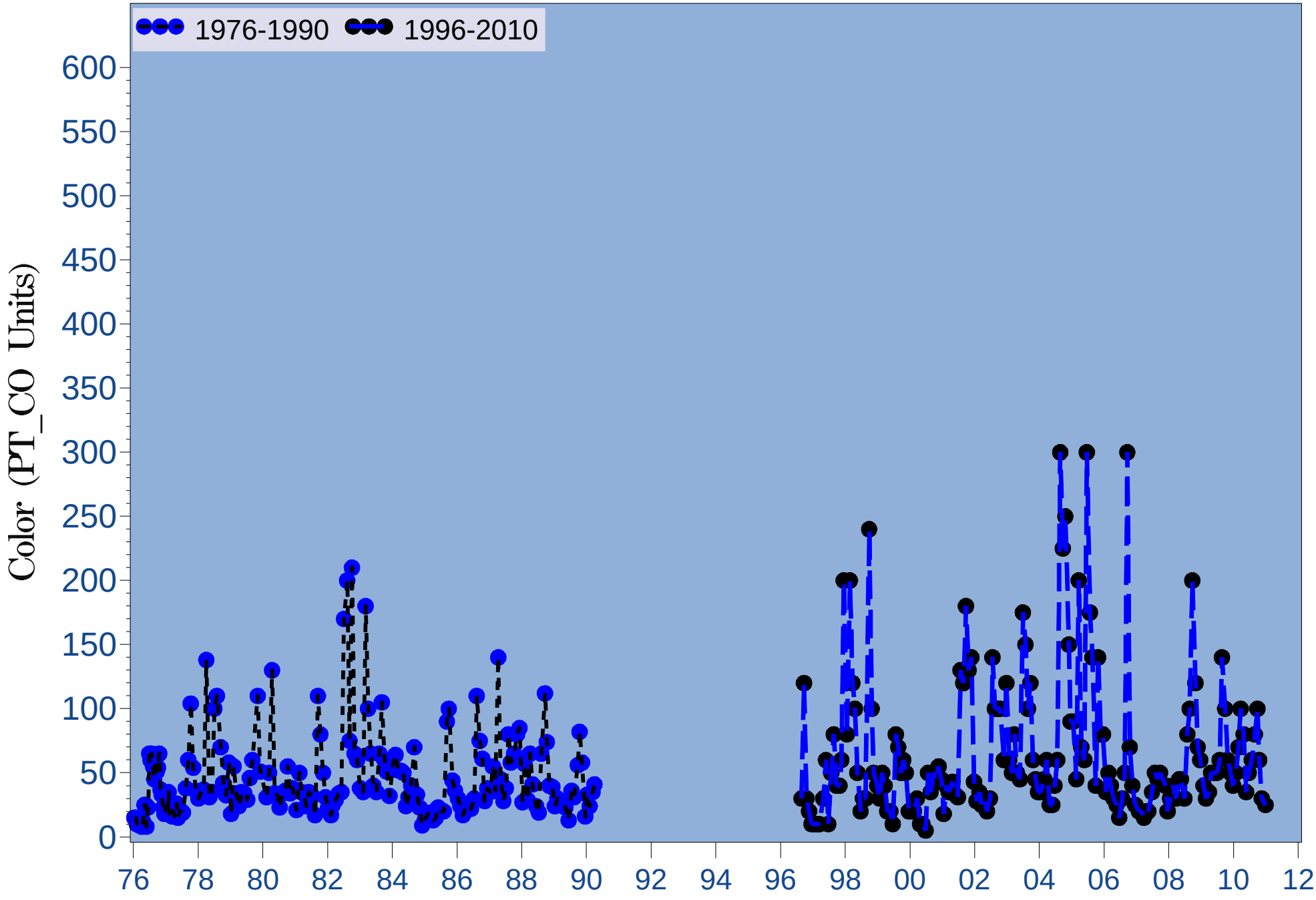


Figure 4.20b Monthly long-term bottom color at river kilometer 6.6

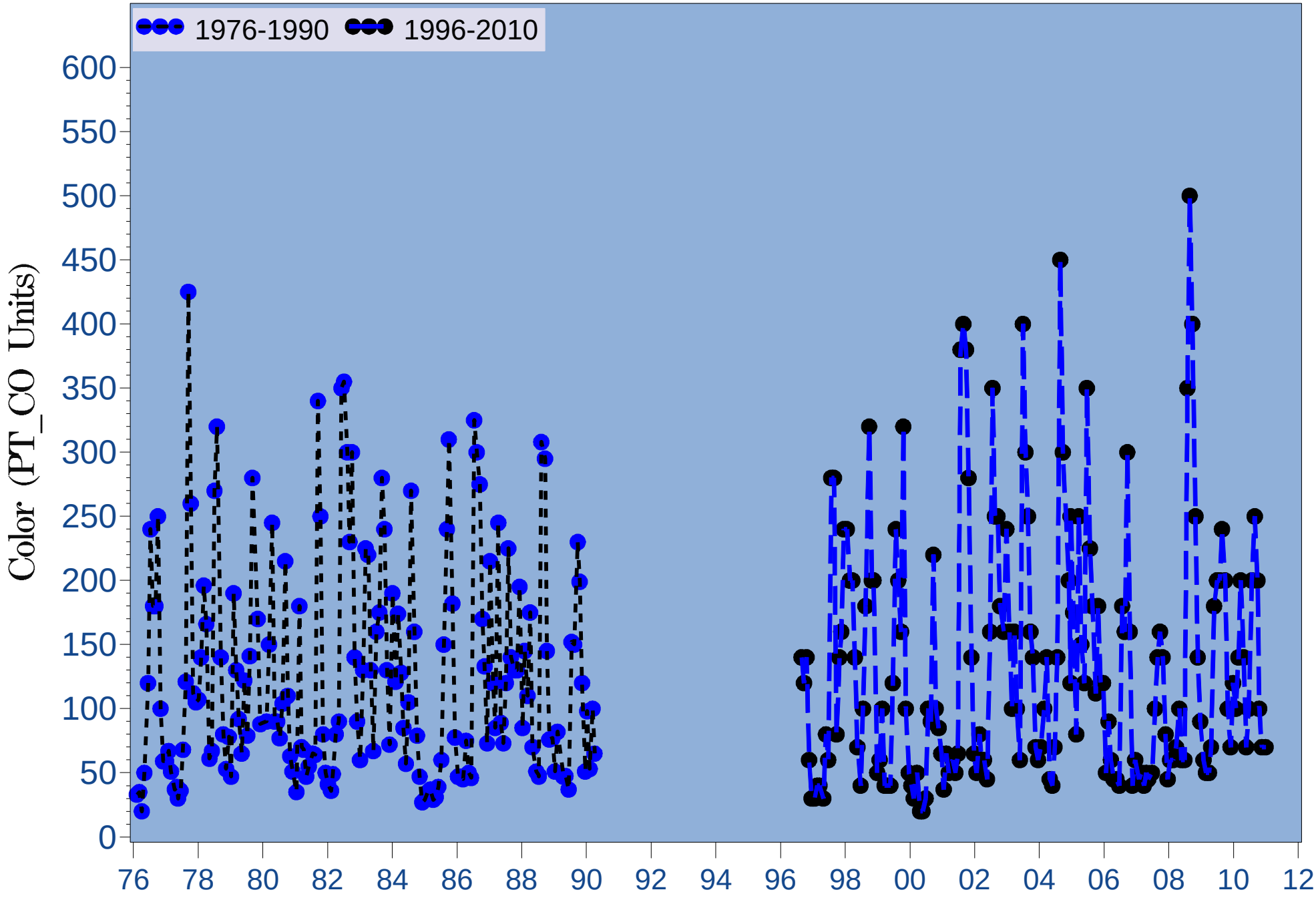


Figure 4.20c Monthly long-term bottom color at river kilometer 15.5

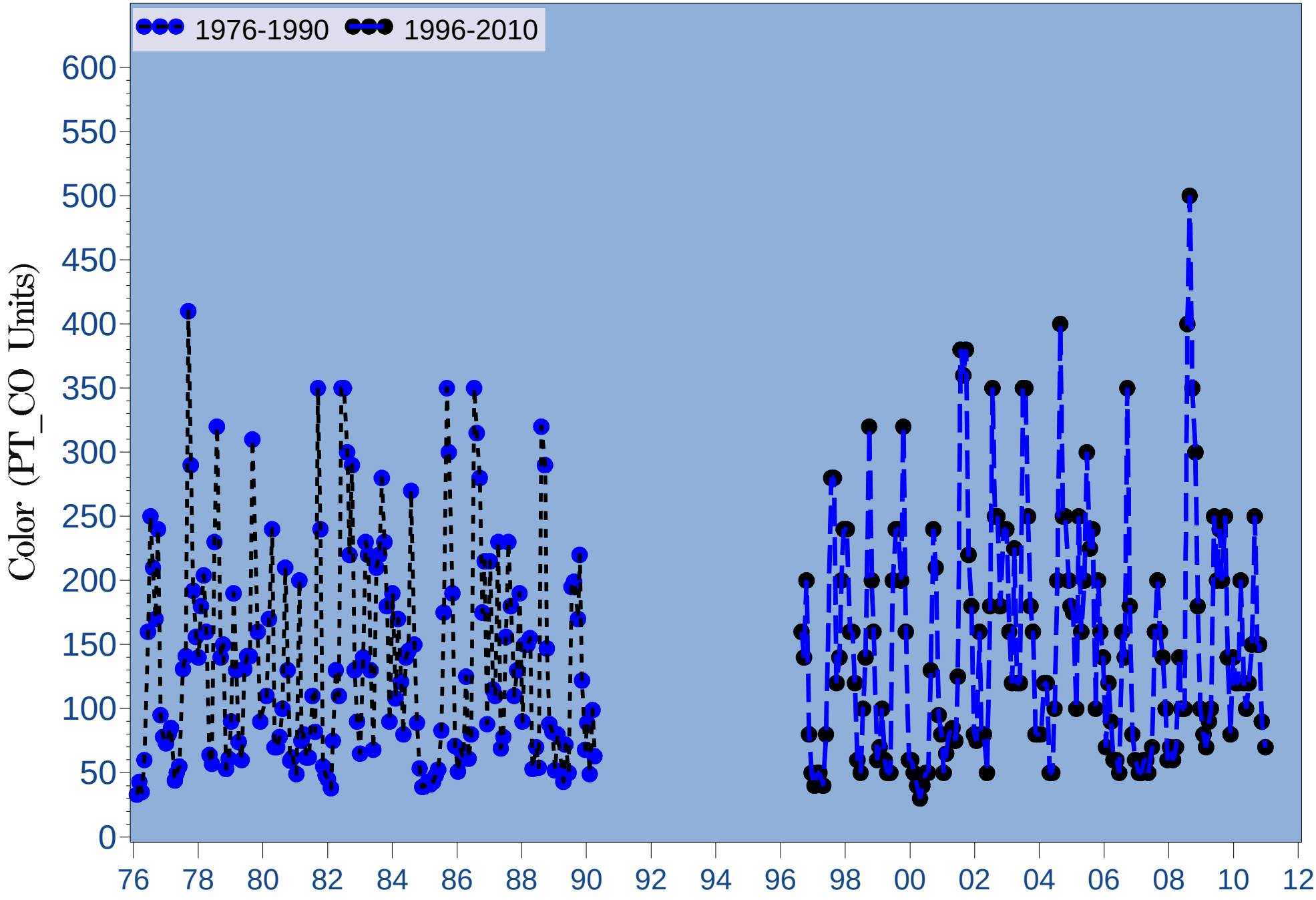


Figure 4.20d Monthly long-term bottom color at river kilometer 23.6

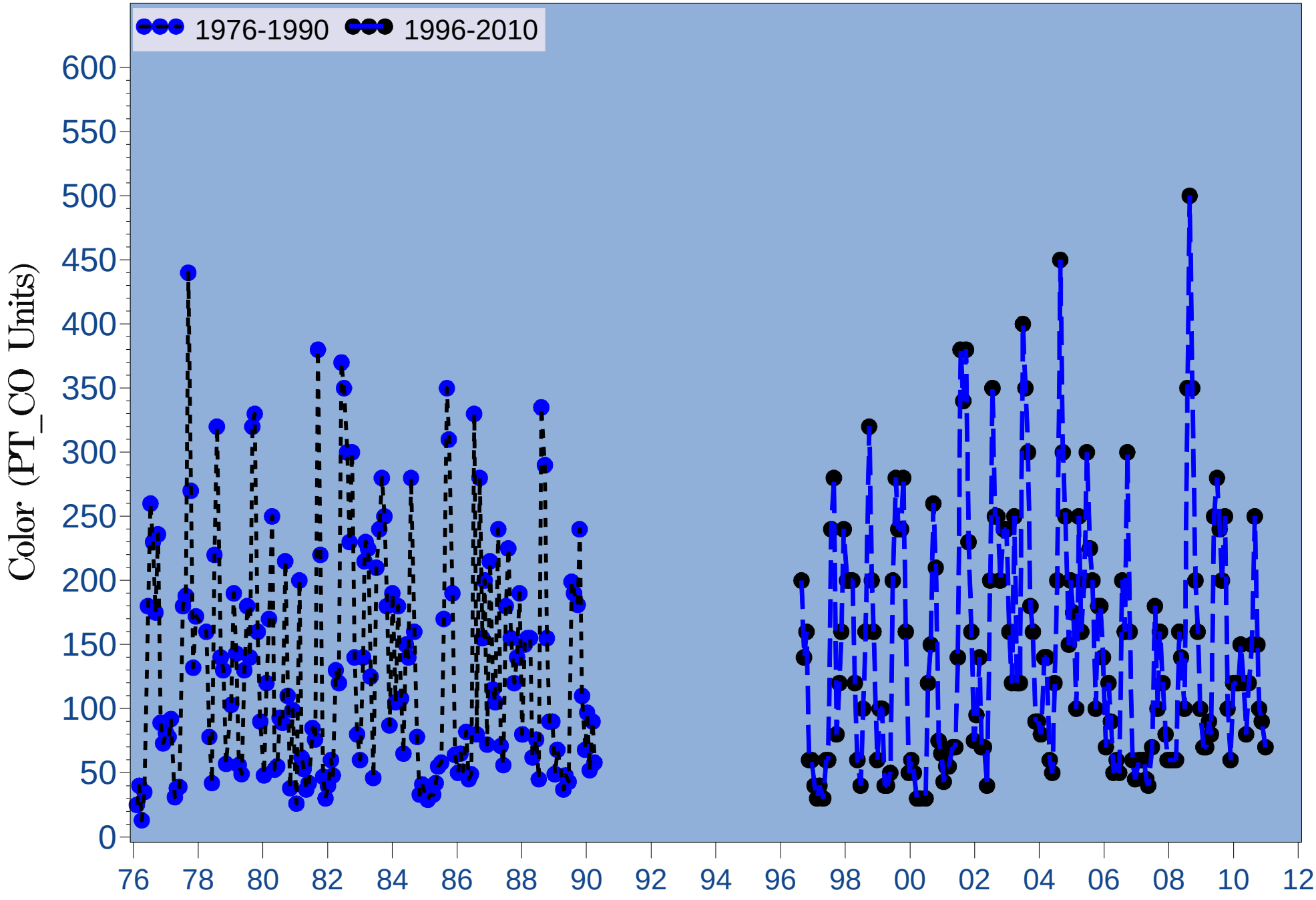


Figure 4.20e Monthly long-term bottom color at river kilometer 30.7

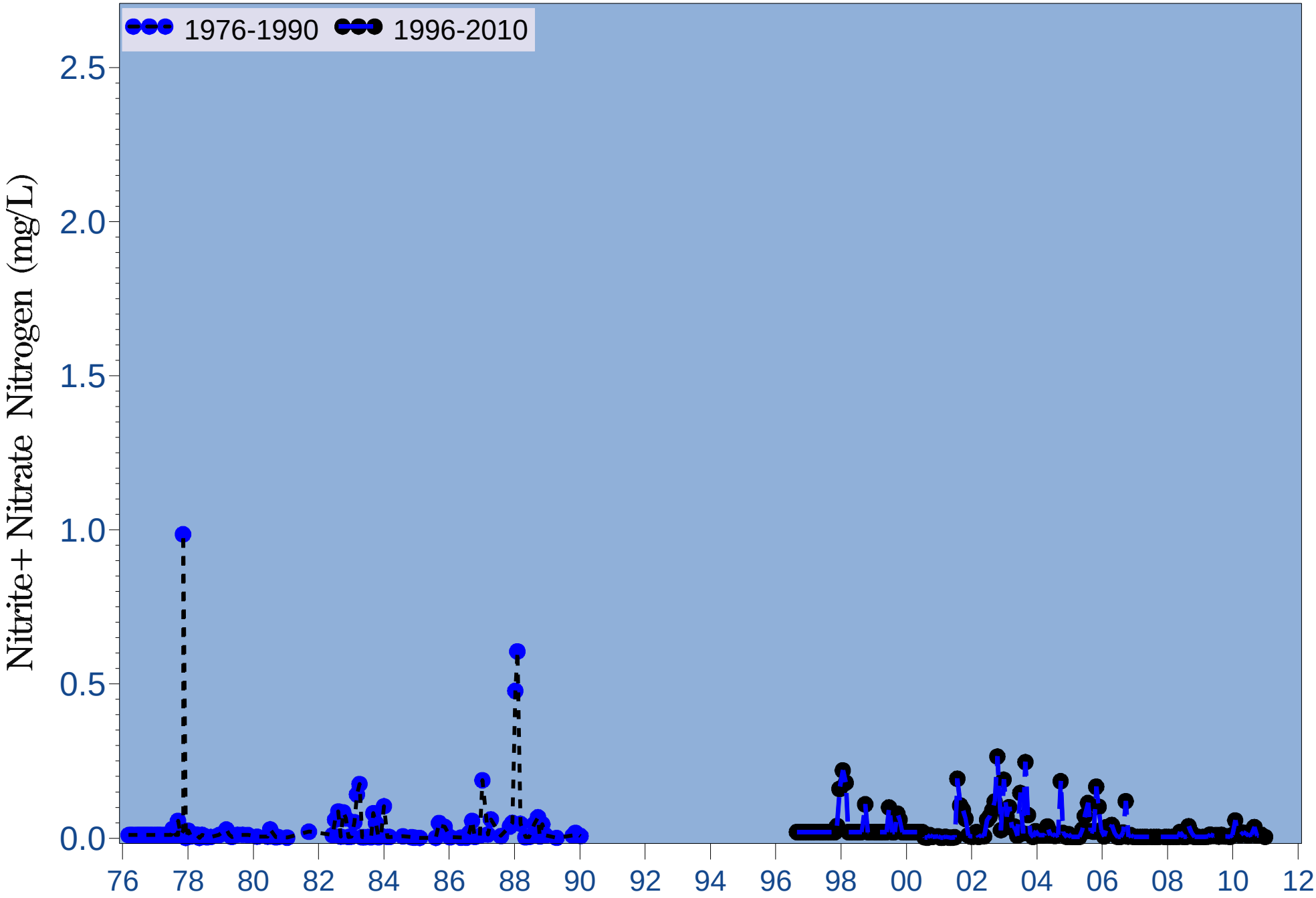


Figure 4.21a Monthly long-term surface nitrite/nitrate nitrogen at river kilometer -2.4

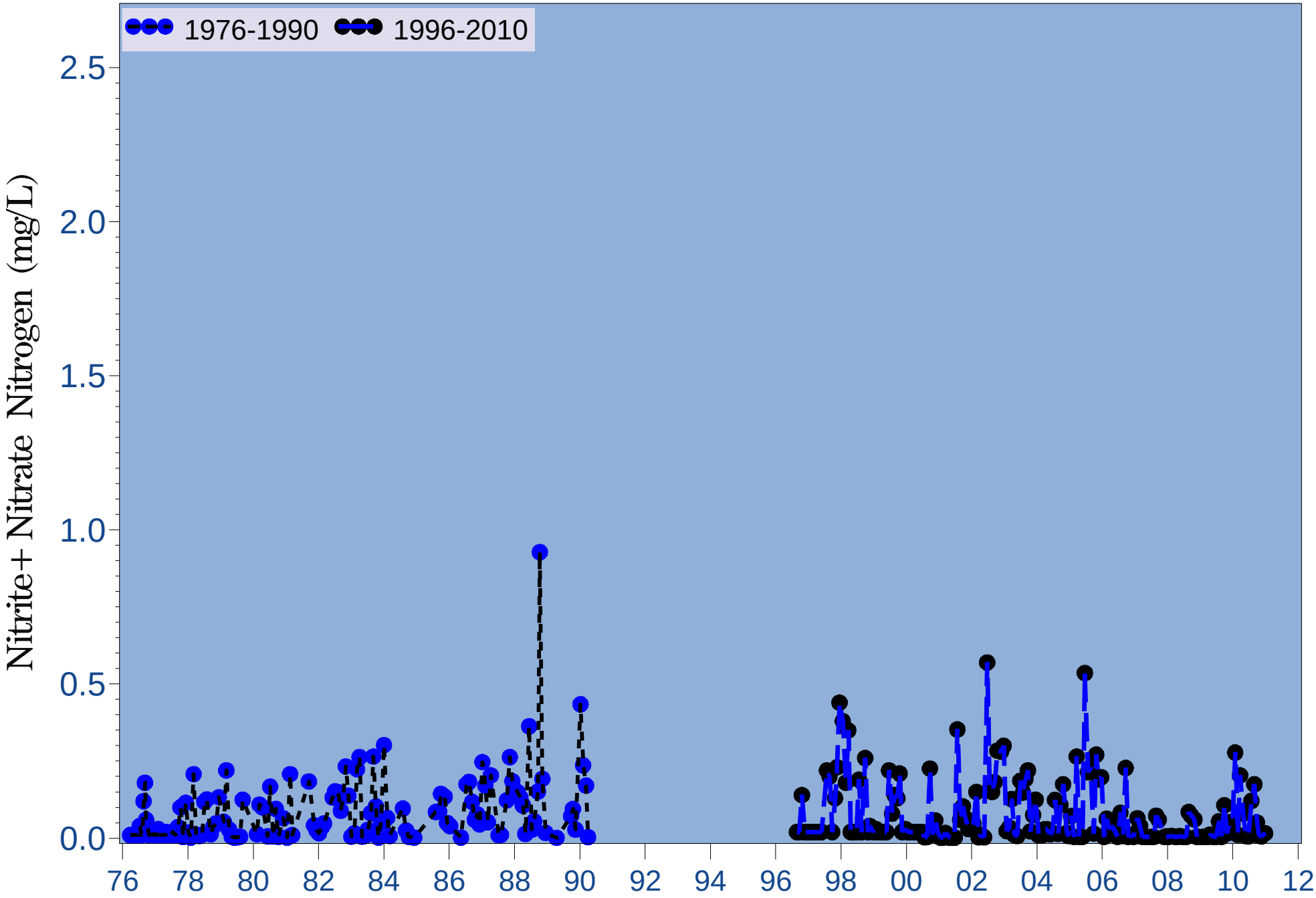


Figure 4.21b Monthly long-term surface nitrite/nitrate nitrogen at river kilometer 6.6

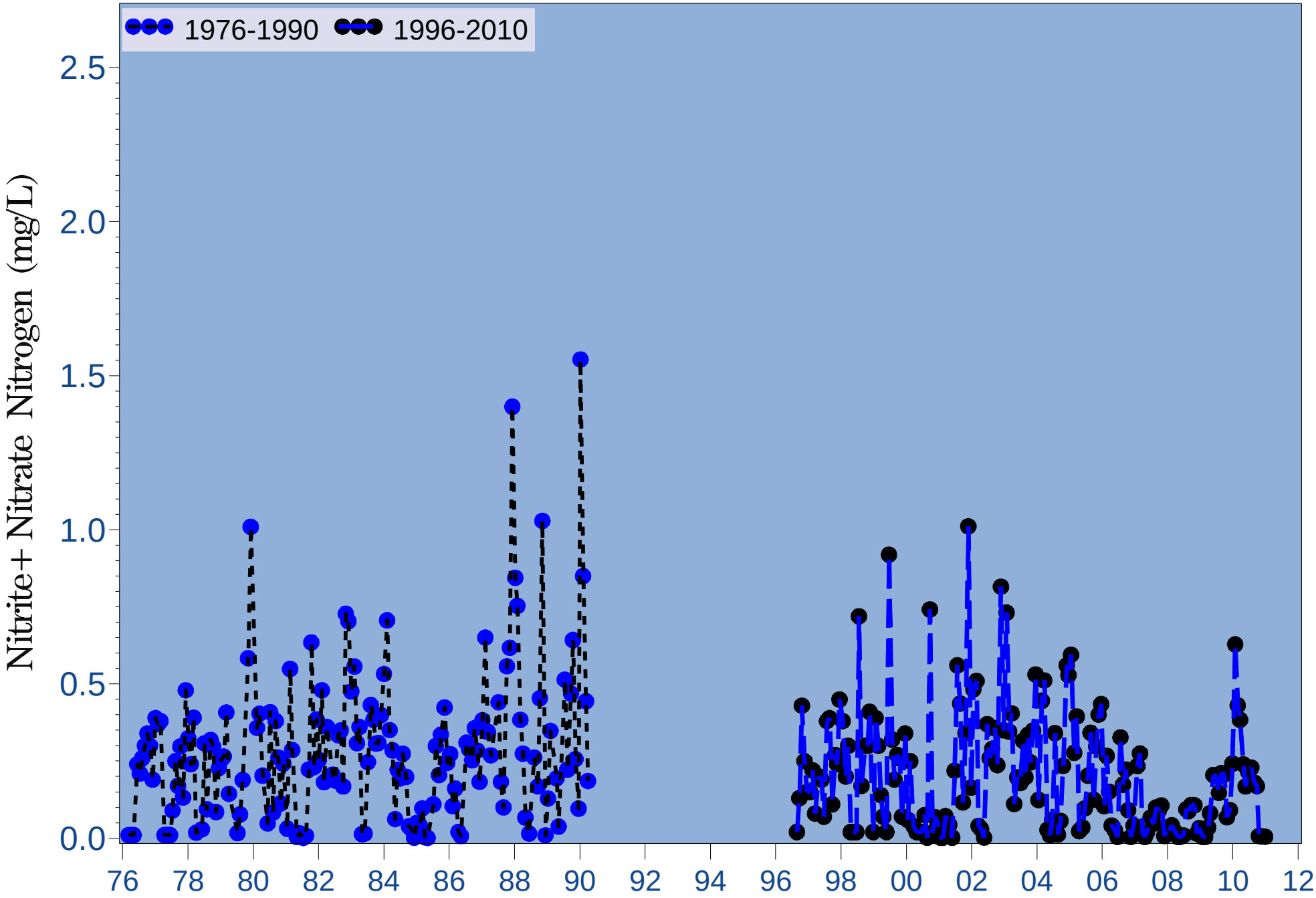


Figure 4.21c Monthly long-term surface nitrite/nitrate nitrogen at river kilometer 15.5

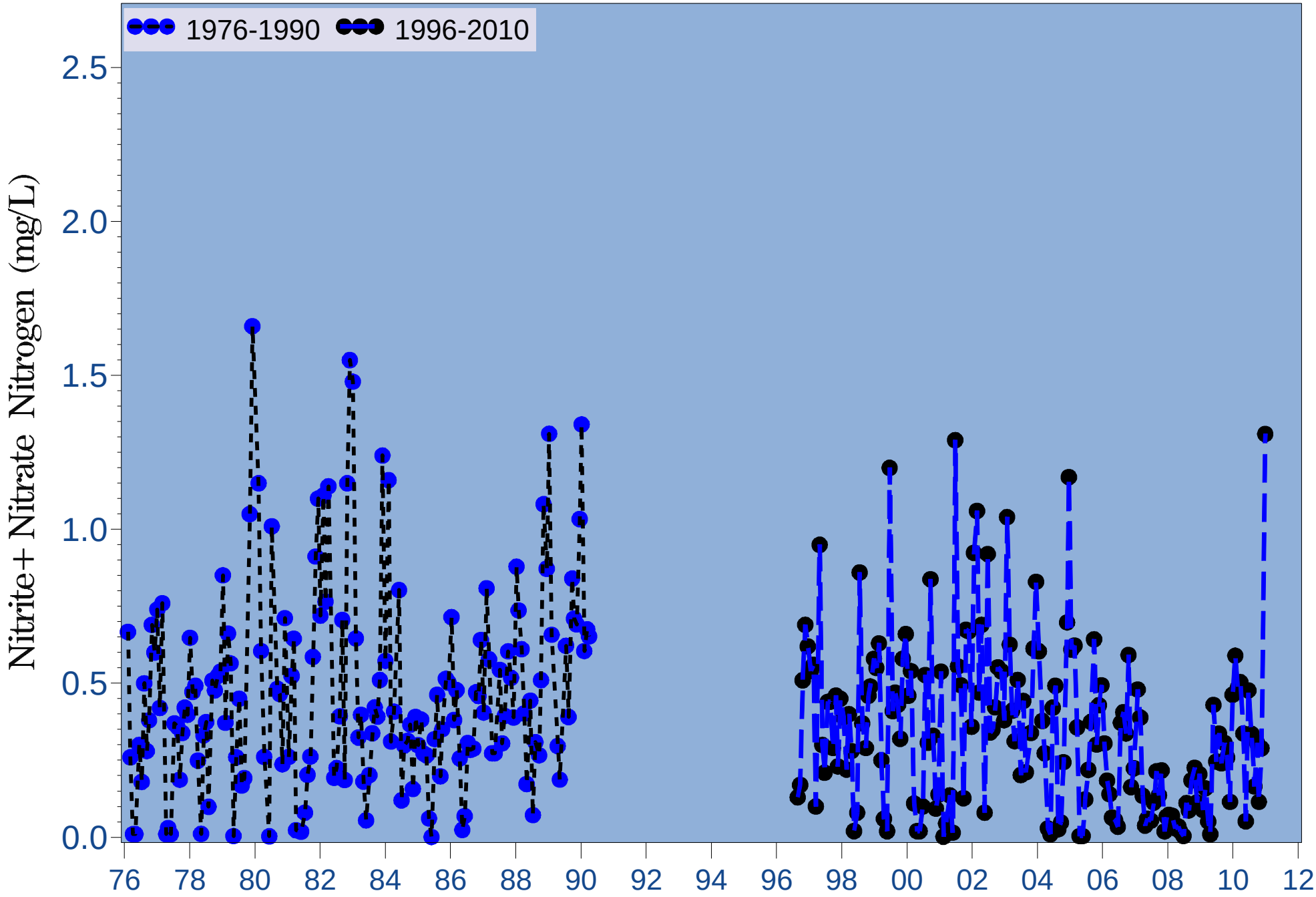


Figure 4.21d Monthly long-term surface nitrite/nitrate nitrogen at river kilometer 23.6

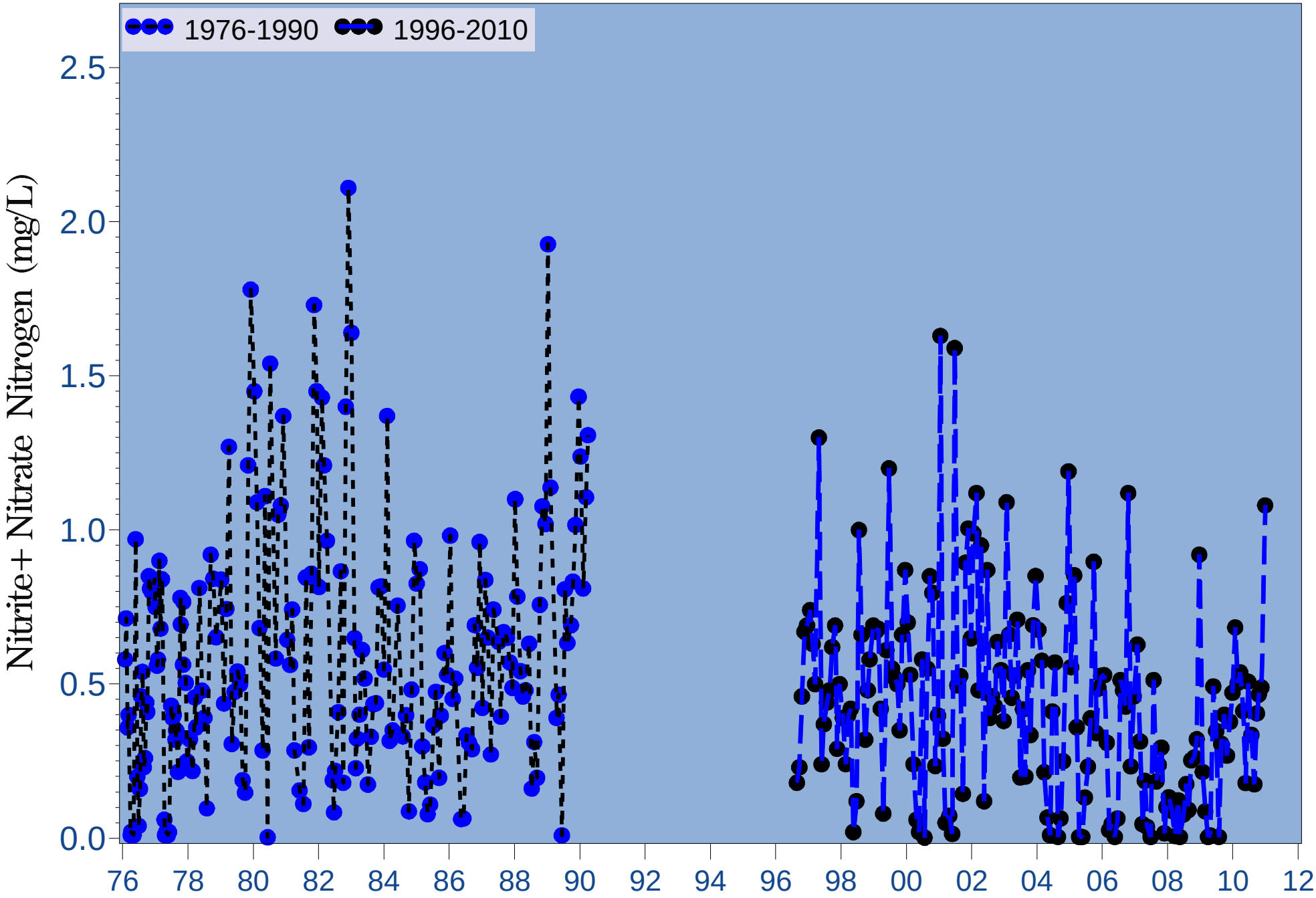


Figure 4.21e Monthly long-term surface nitrite/nitrate nitrogen at river kilometer 30.7

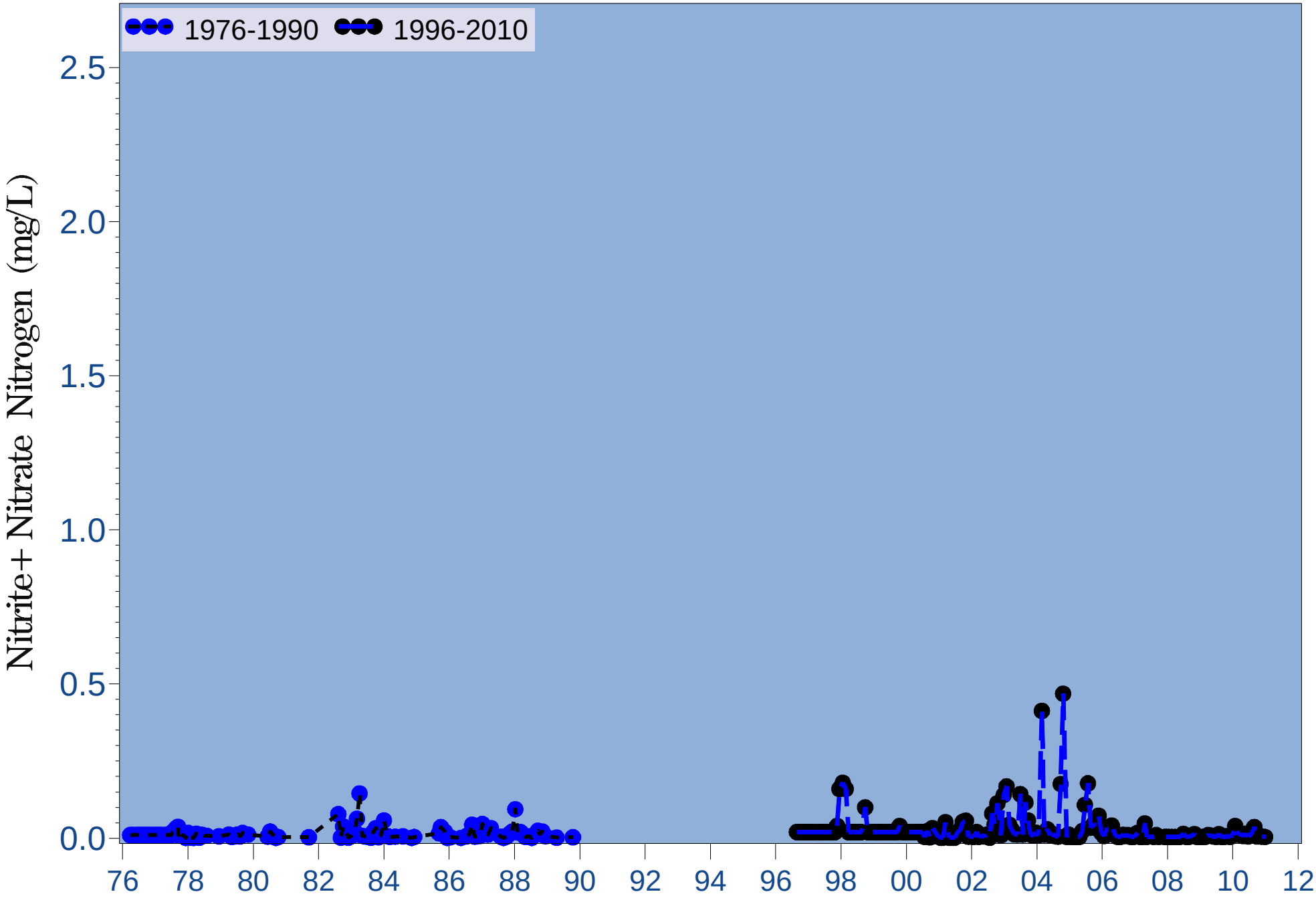


Figure 4.22a Monthly long-term bottom nitrite/nitrate nitrogen at river kilometer -2.4

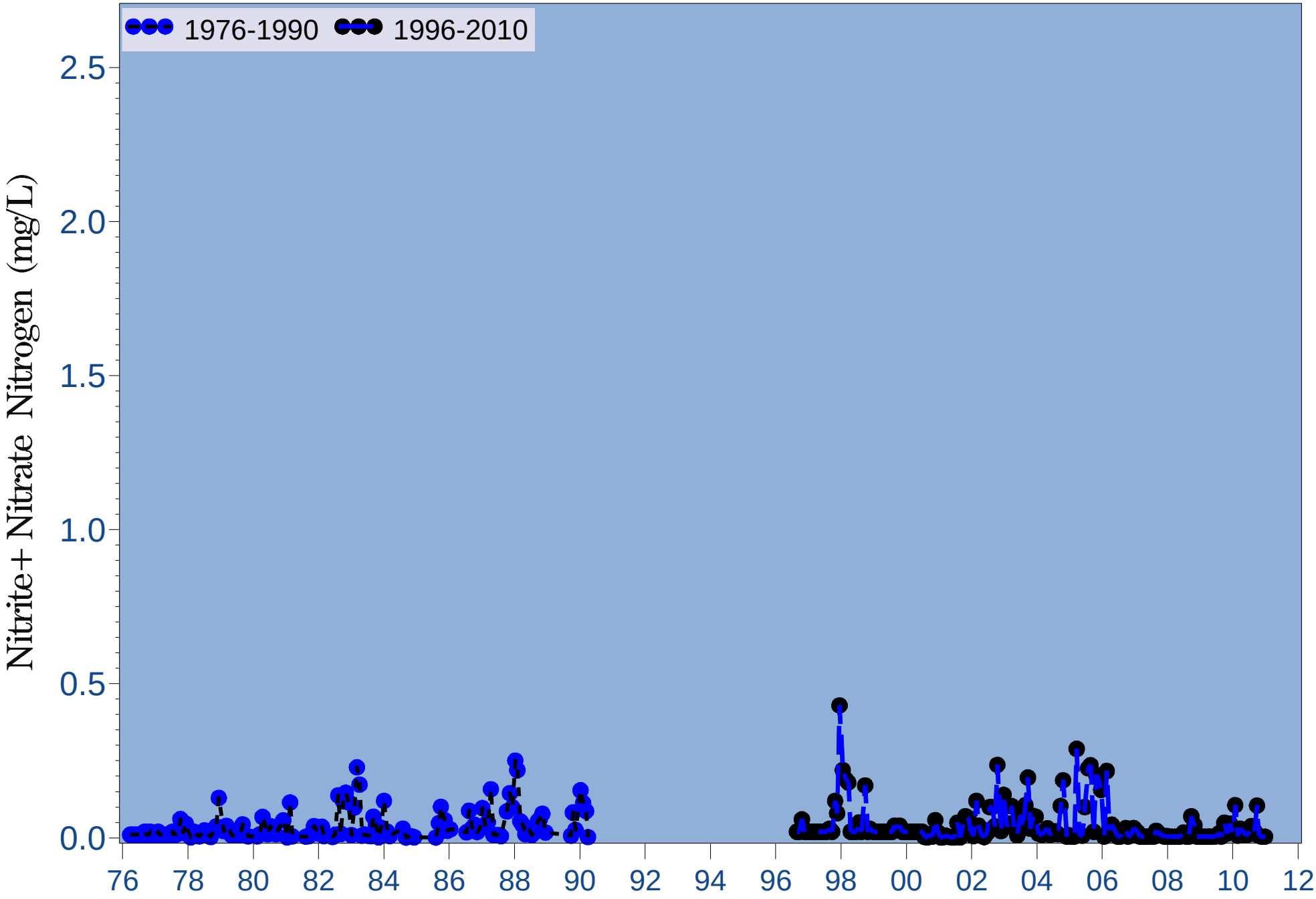


Figure 4.22b Monthly long-term bottom nitrite/nitrate nitrogen at river kilometer 6.6

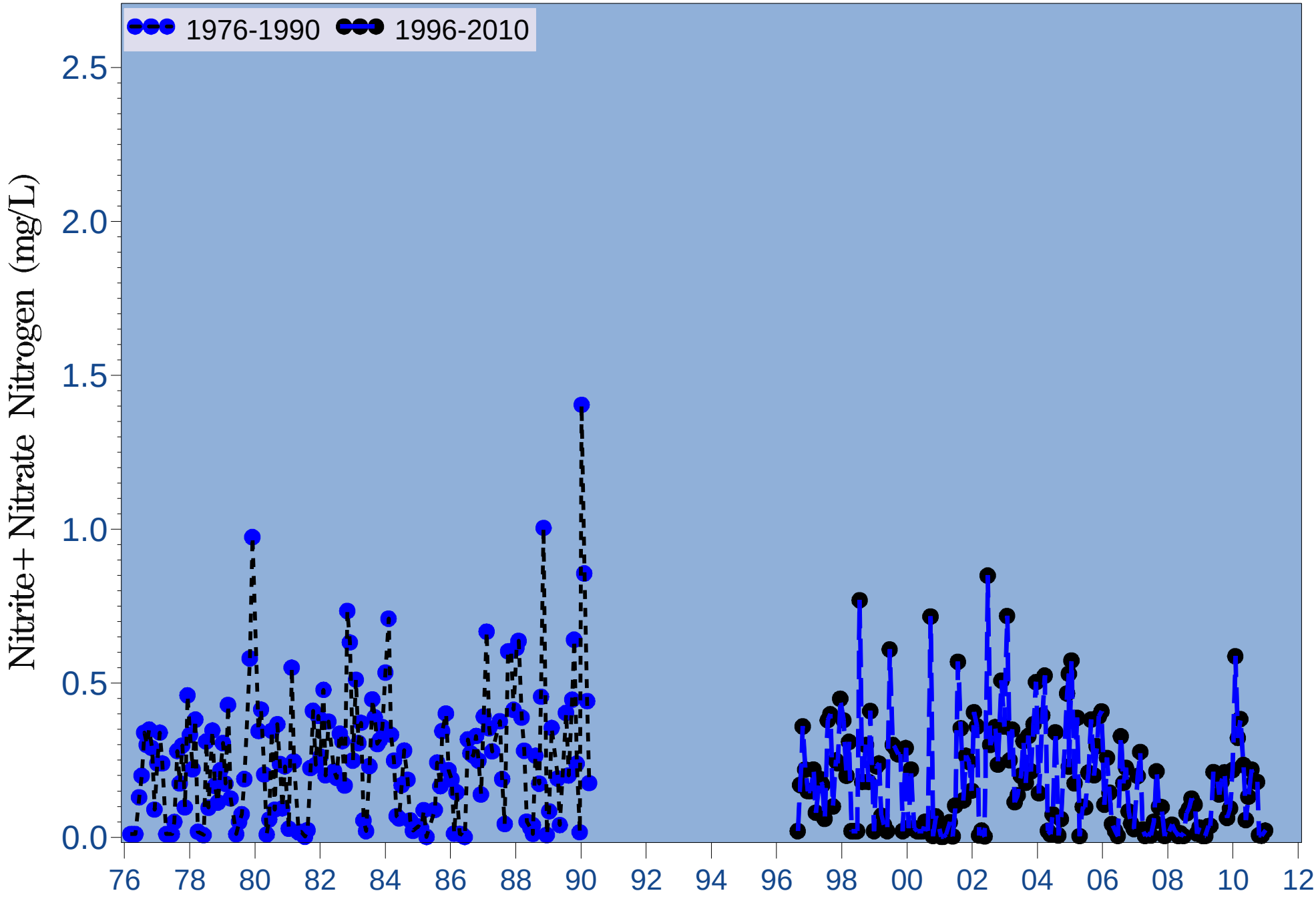


Figure 4.22c Monthly long-term bottom nitrite/nitrate nitrogen at river kilometer 15.5

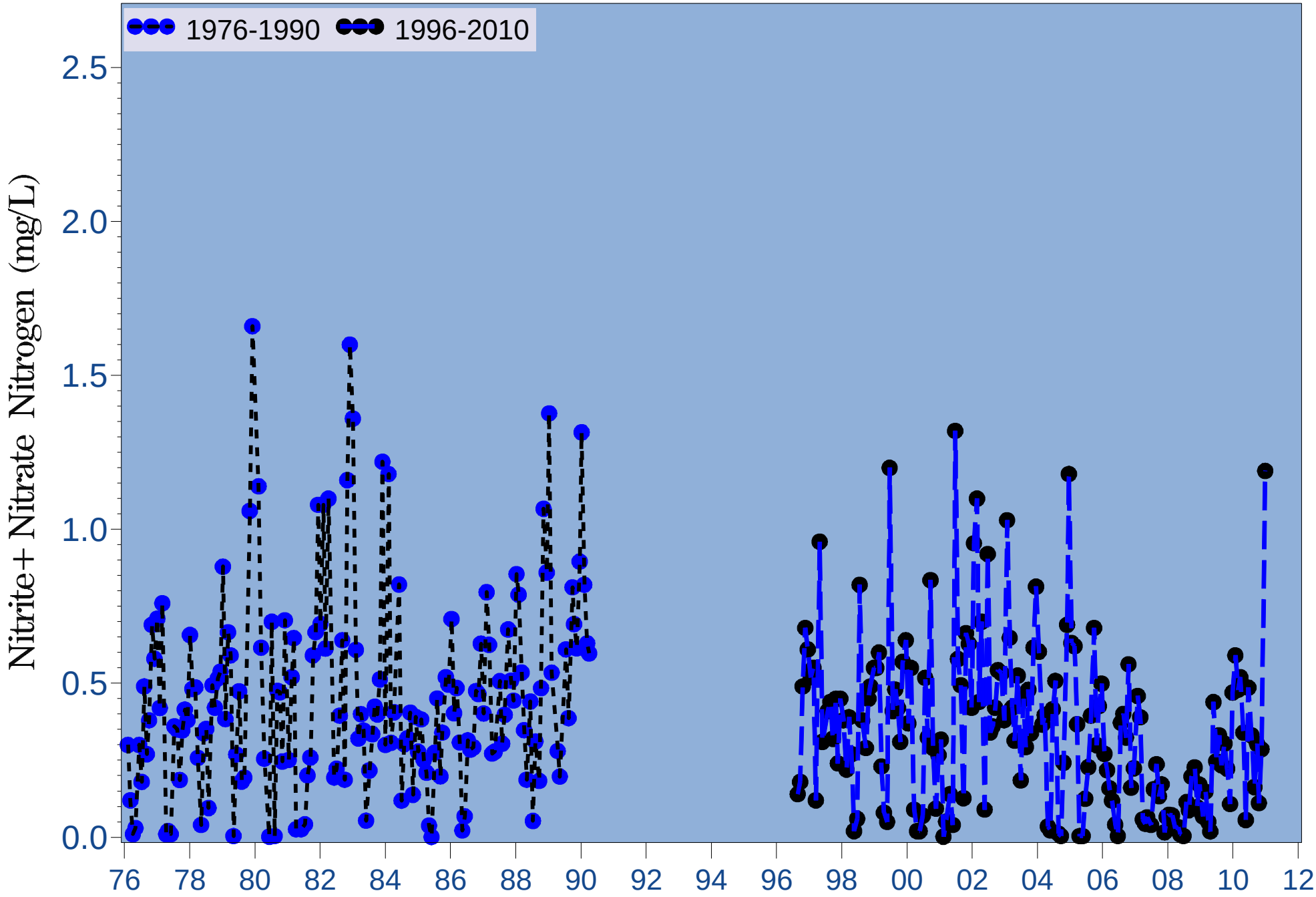


Figure 4.22d Monthly long-term bottom nitrite/nitrate nitrogen at river kilometer 23.6

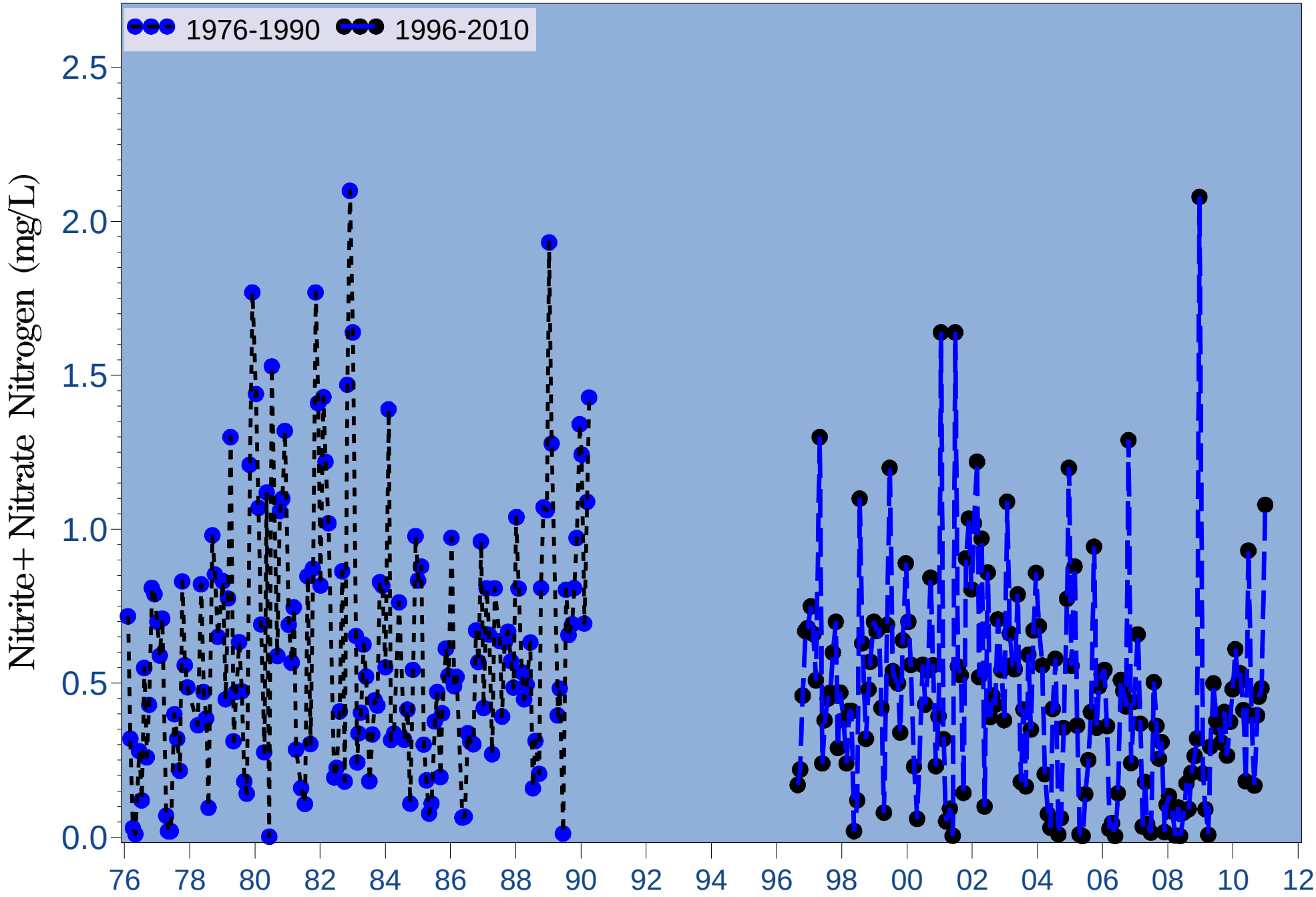


Figure 4.22e Monthly long-term bottom nitrite/nitrate nitrogen at river kilometer 30.7

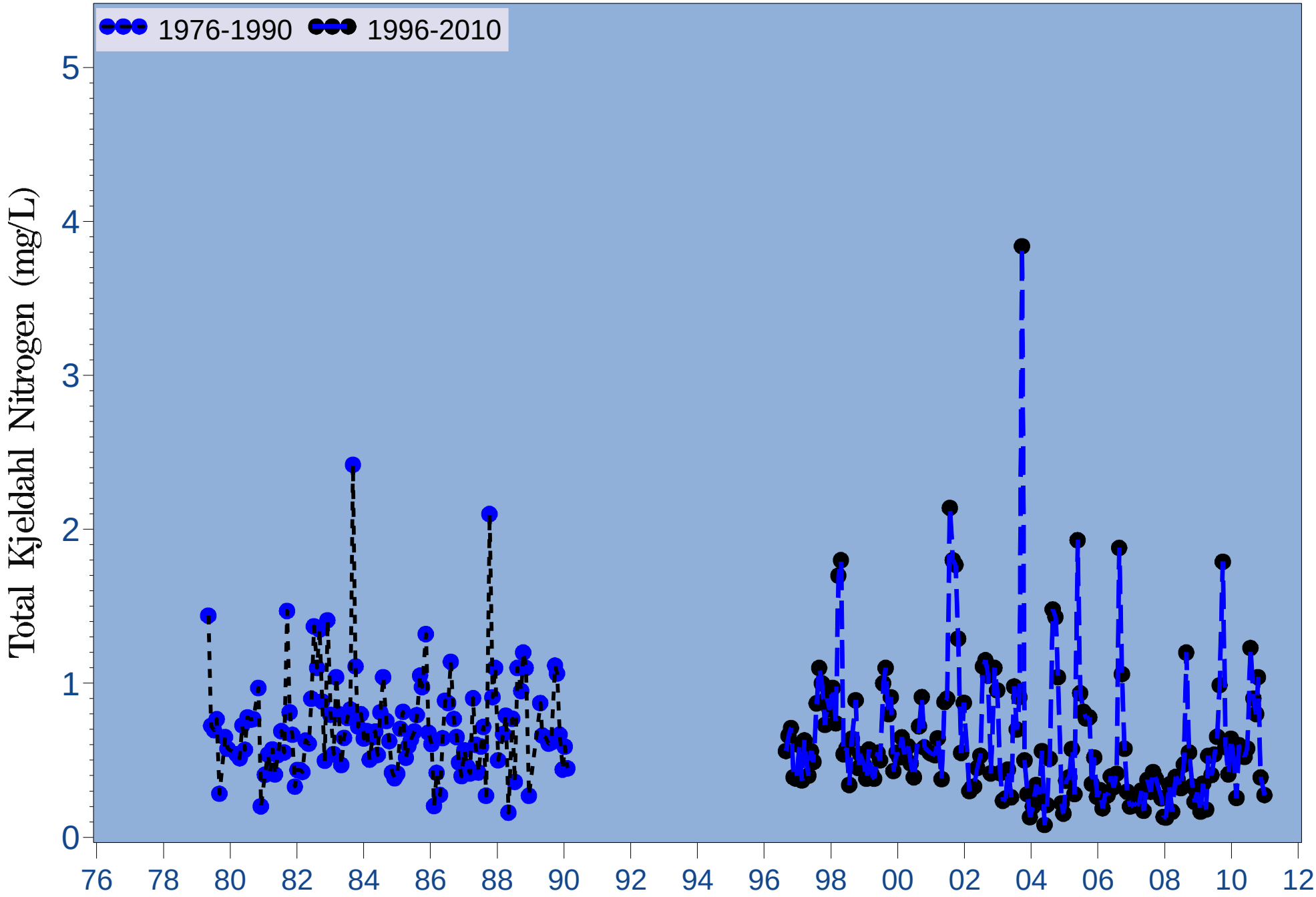


Figure 4.23a Monthly long-term surface total Kjeldahl nitrogen at river kilometer -2.4

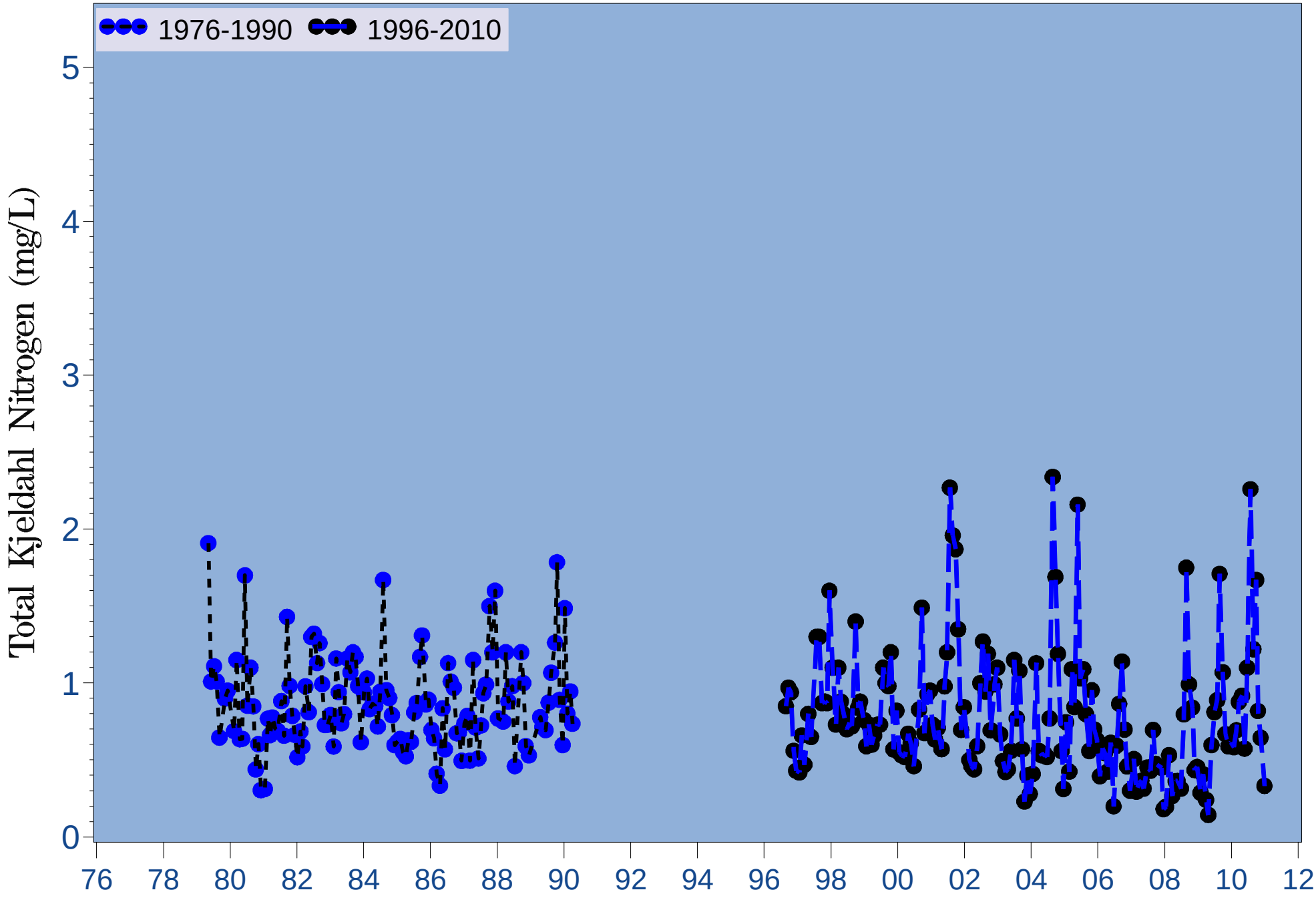


Figure 4.23b Monthly long-term surface total Kjeldahl nitrogen at river kilometer 6.6

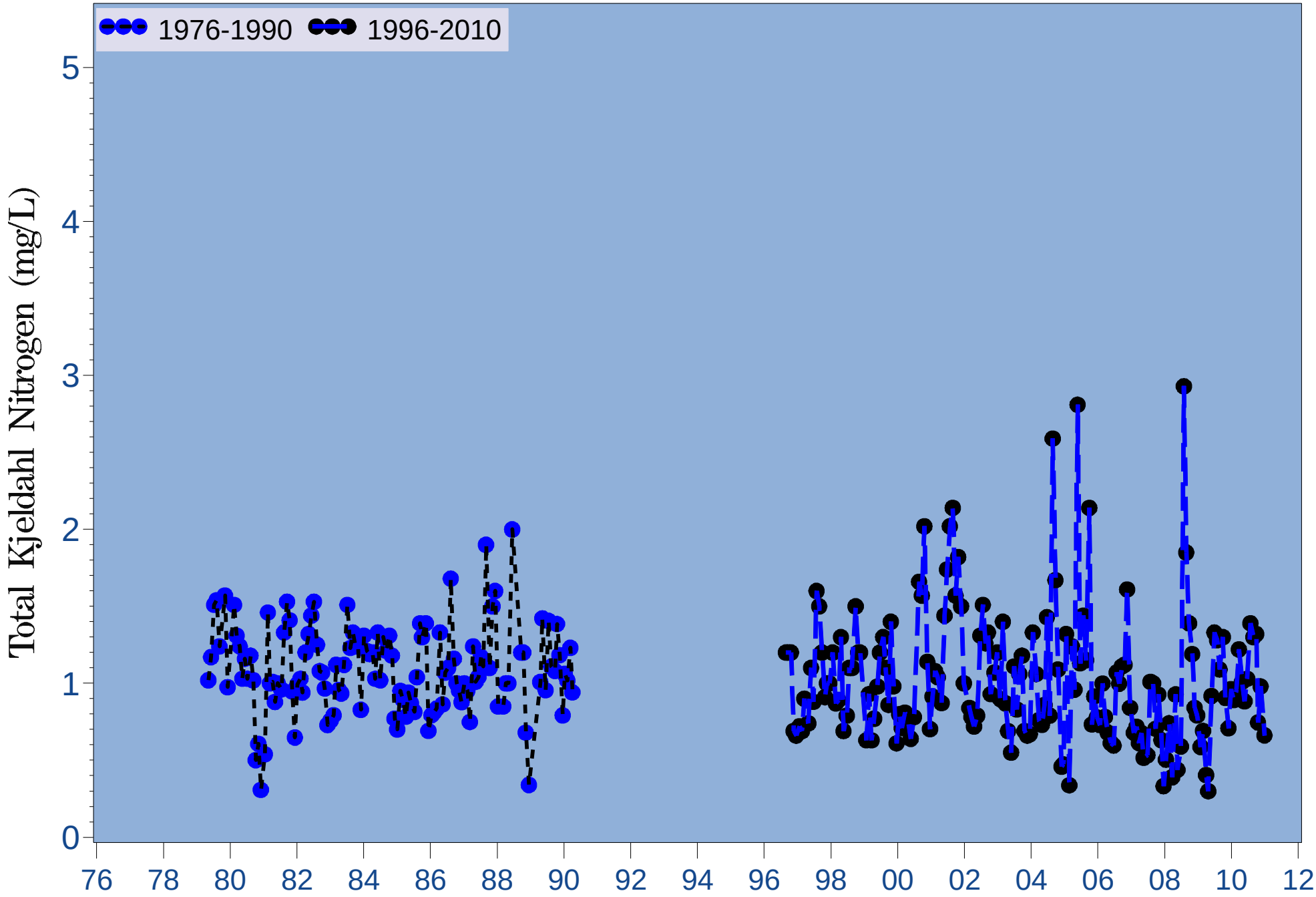


Figure 4.23c Monthly long-term surface total Kjeldahl nitrogen at river kilometer 15.5

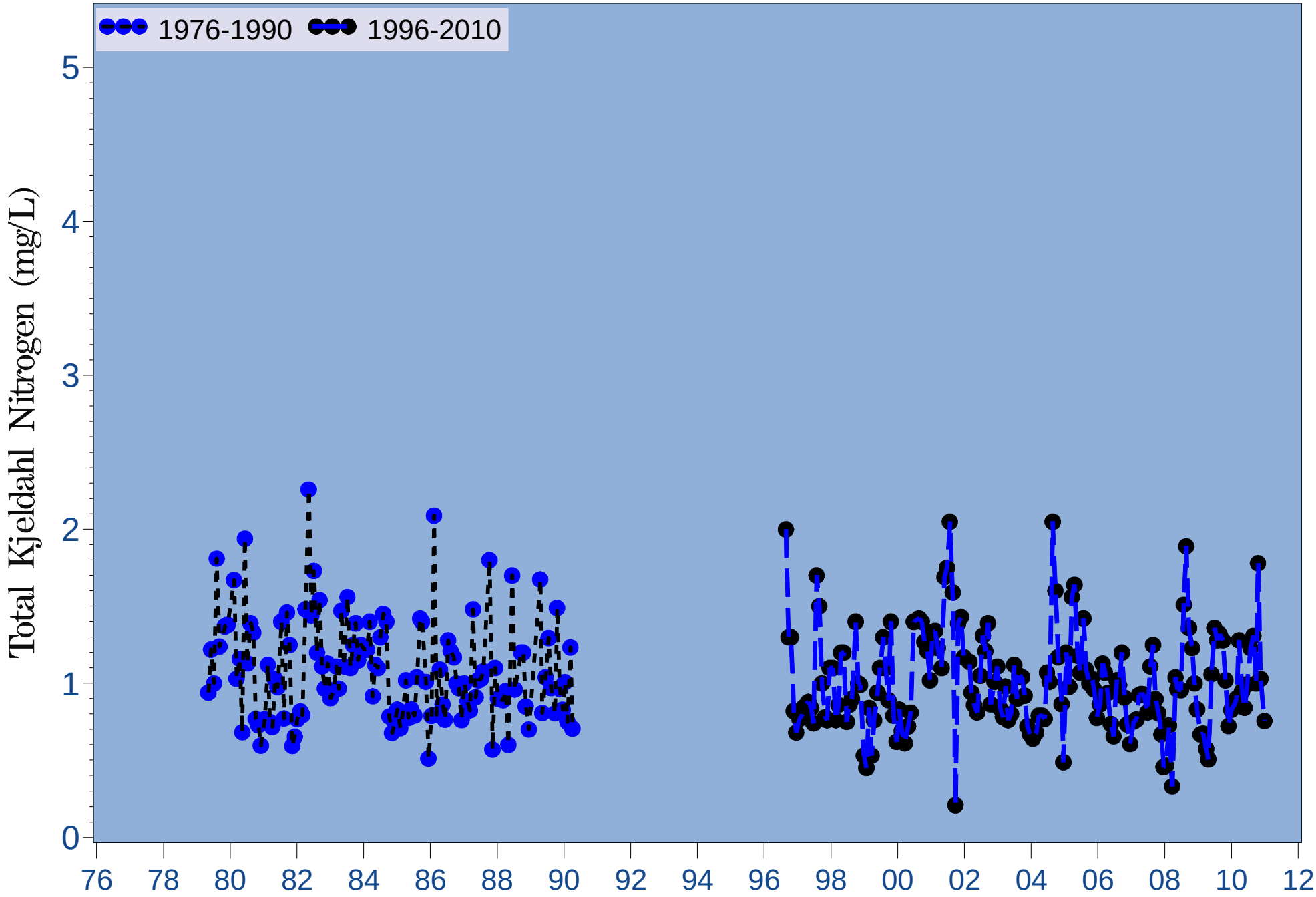


Figure 4.23d Monthly long-term surface total Kjeldahl nitrogen at river kilometer 23.6

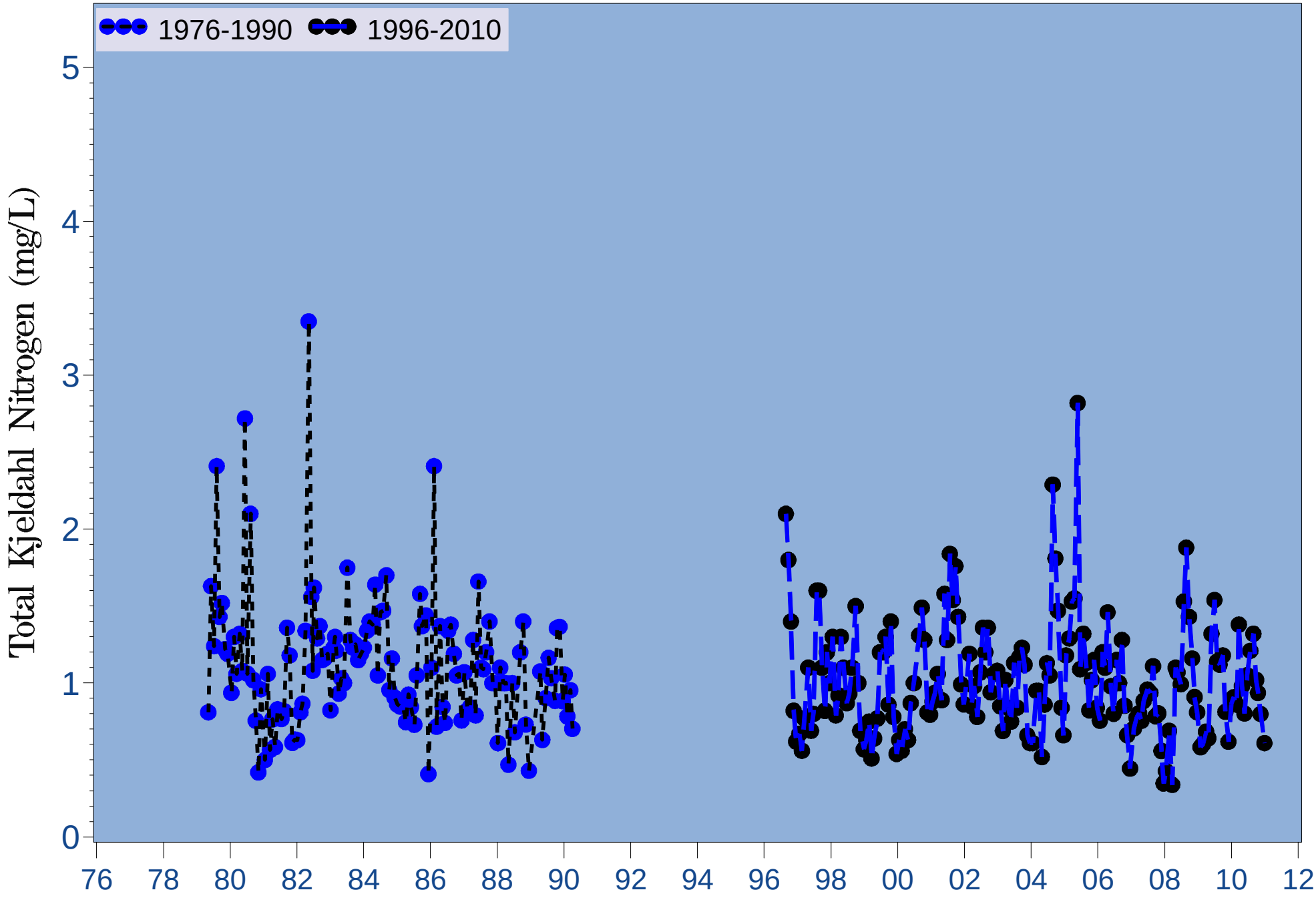


Figure 4.23e Monthly long-term surface total Kjeldahl nitrogen at river kilometer 30.7

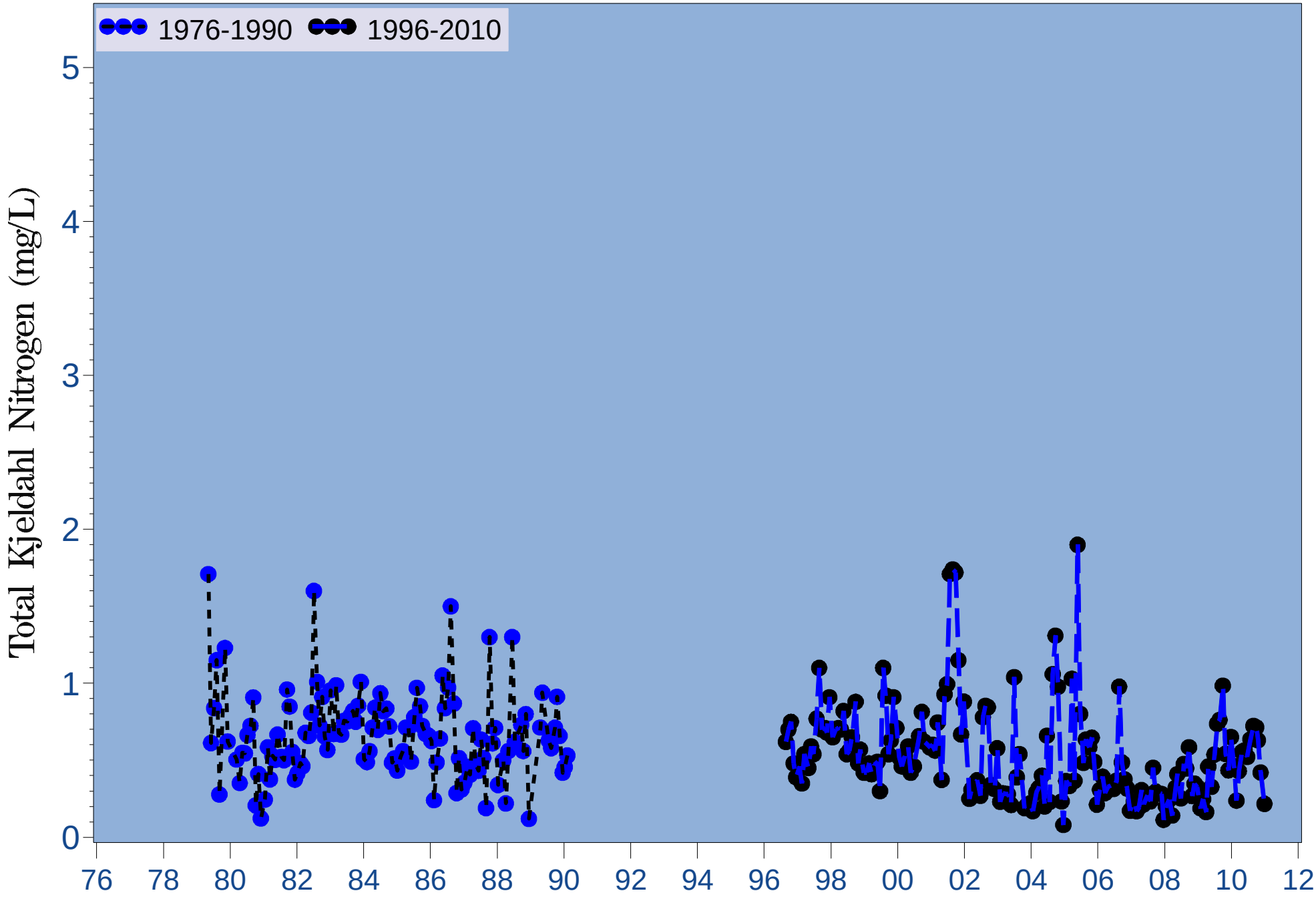


Figure 4.24a Monthly long-term bottom total Kjeldhal nitrogen at river kilometer -2.4

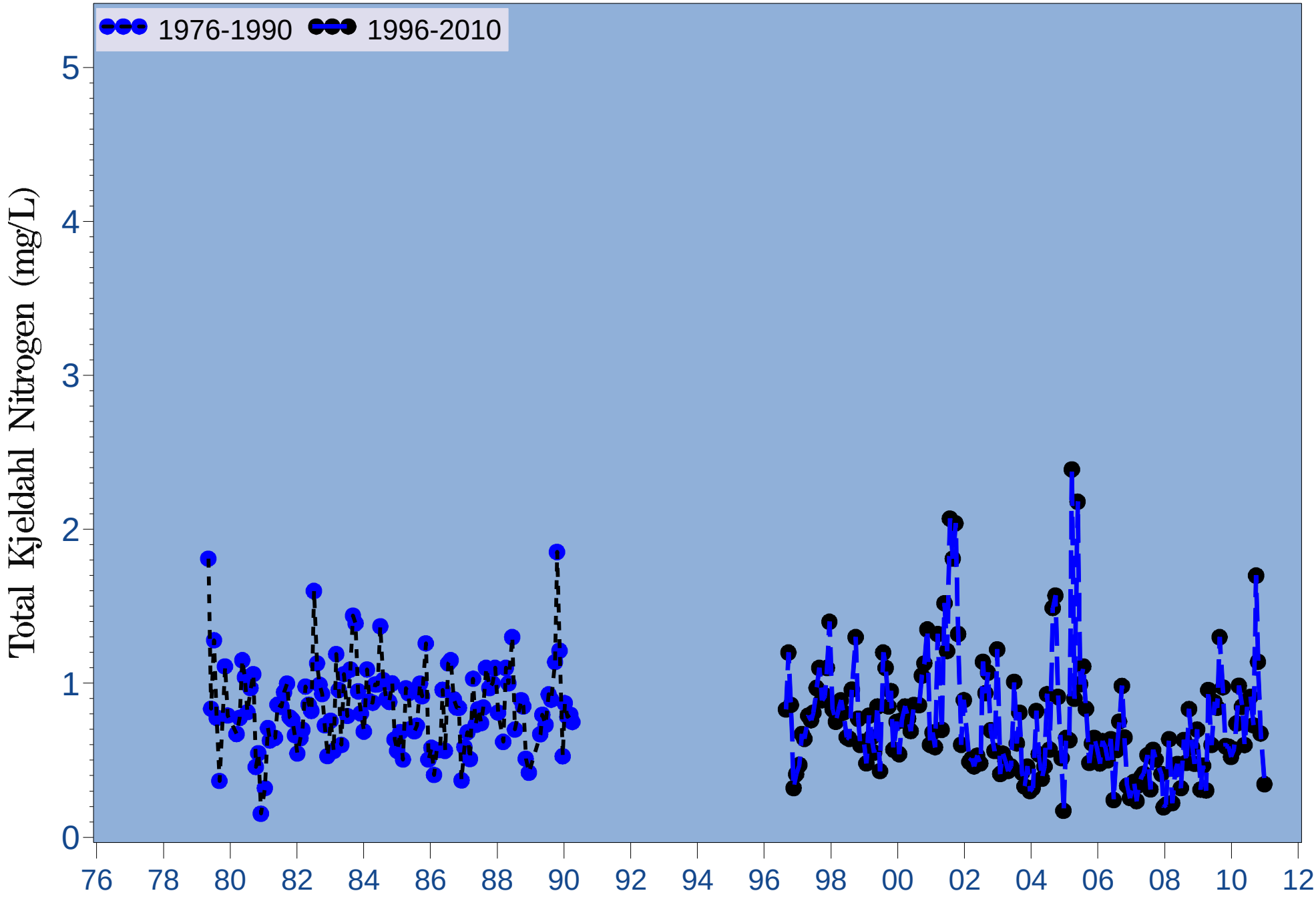


Figure 4.24b Monthly long-term bottom total Kjeldhal nitrogen at river kilometer 6.6

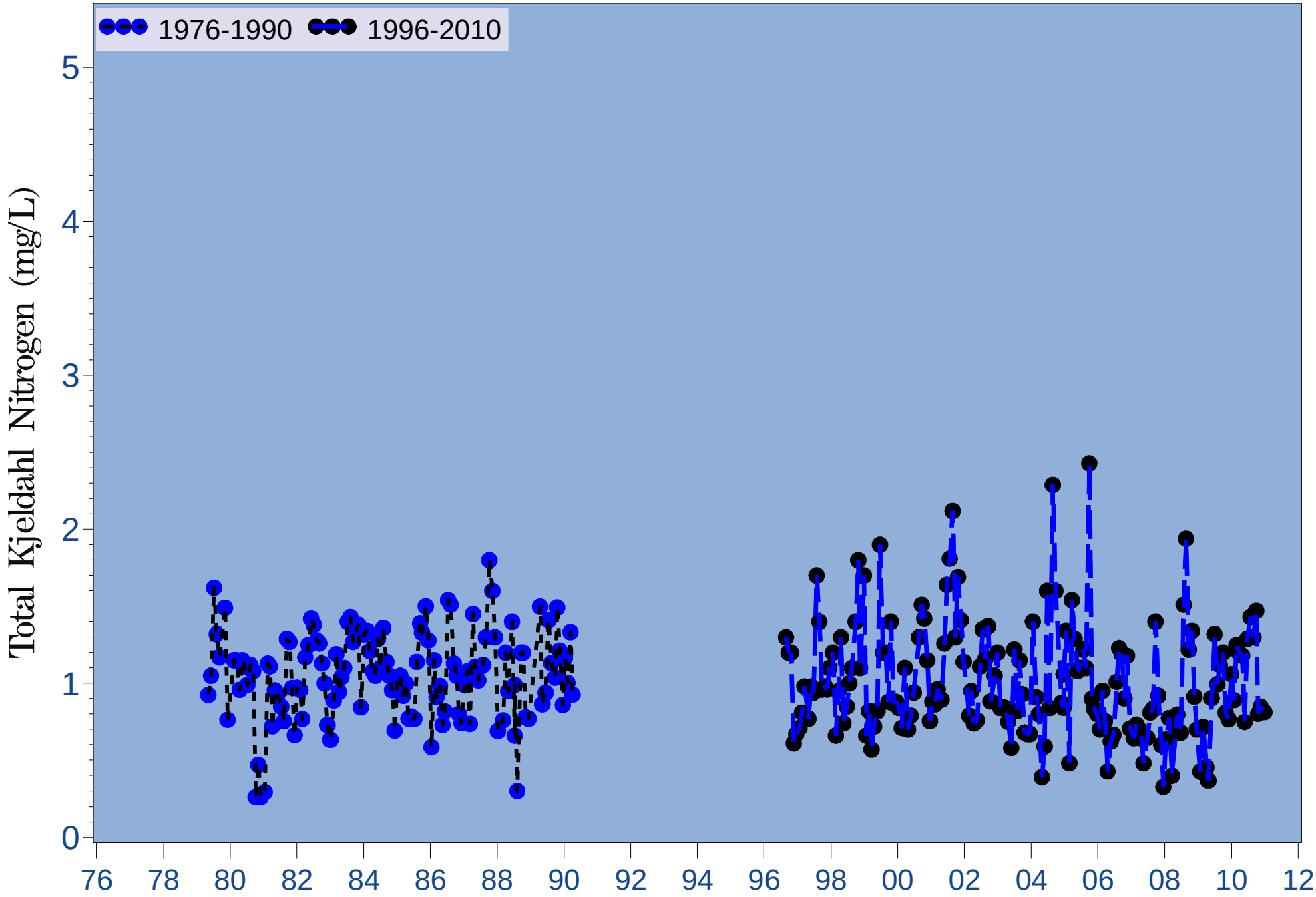


Figure 4.24c Monthly long-term bottom total Kjeldhal nitrogen at river kilometer 15.5

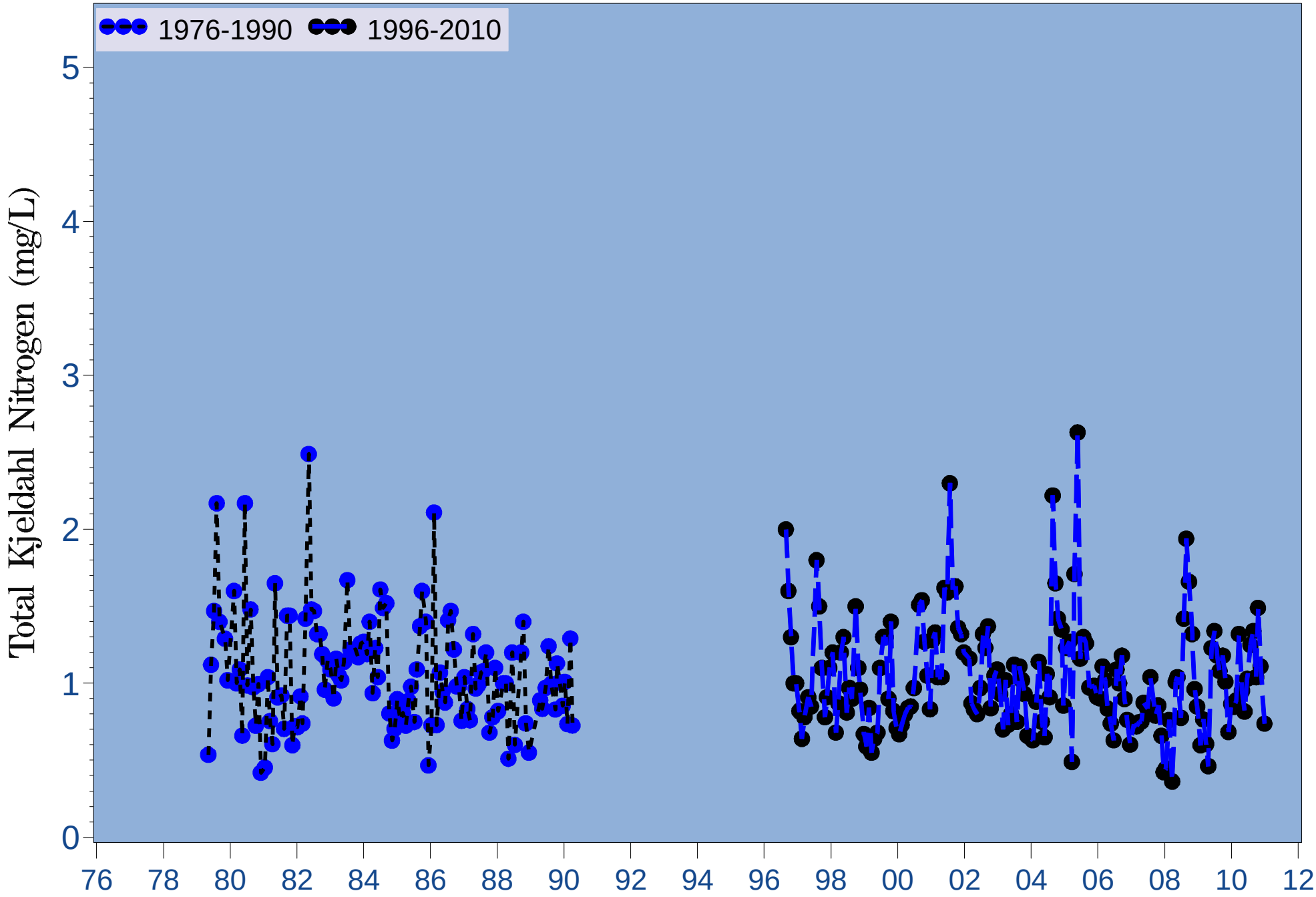


Figure 4.24d Monthly long-term bottom total Kjeldhal nitrogen at river kilometer 23.6

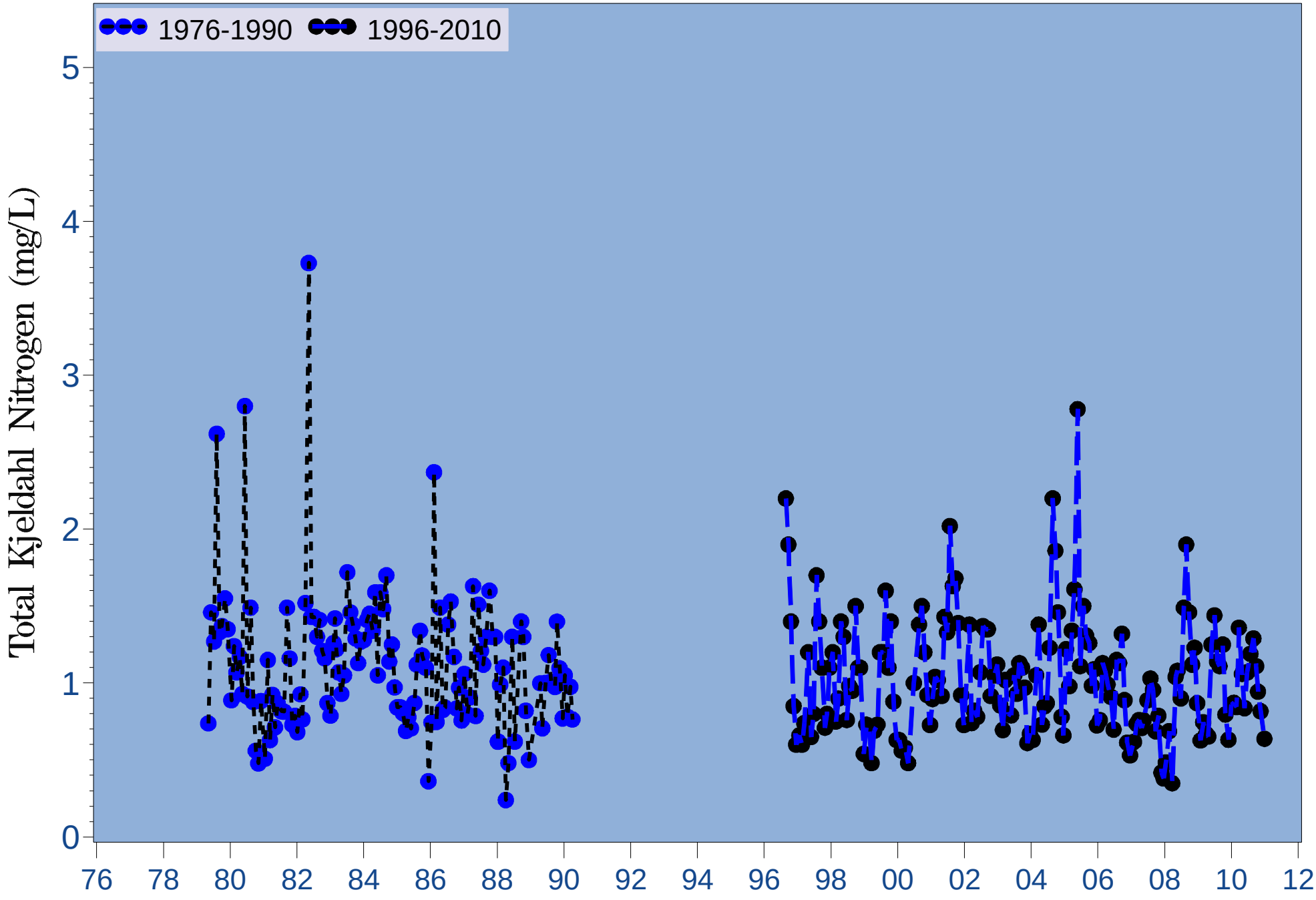


Figure 4.24e Monthly long-term bottom total Kjeldhal nitrogen at river kilometer 30.7

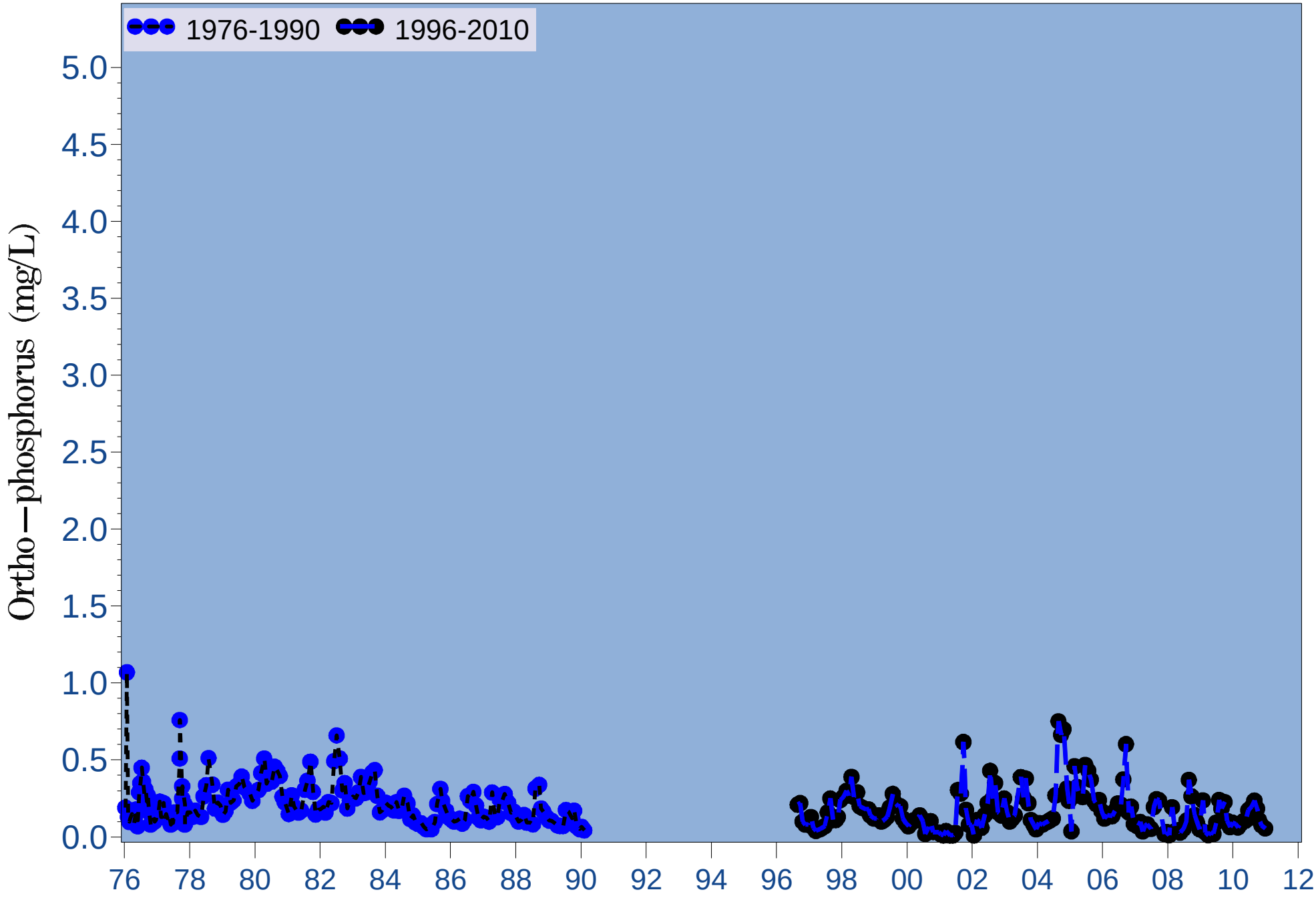


Figure 4.25a Monthly long-term surface ortho-phosphorus at river kilometer -2.4

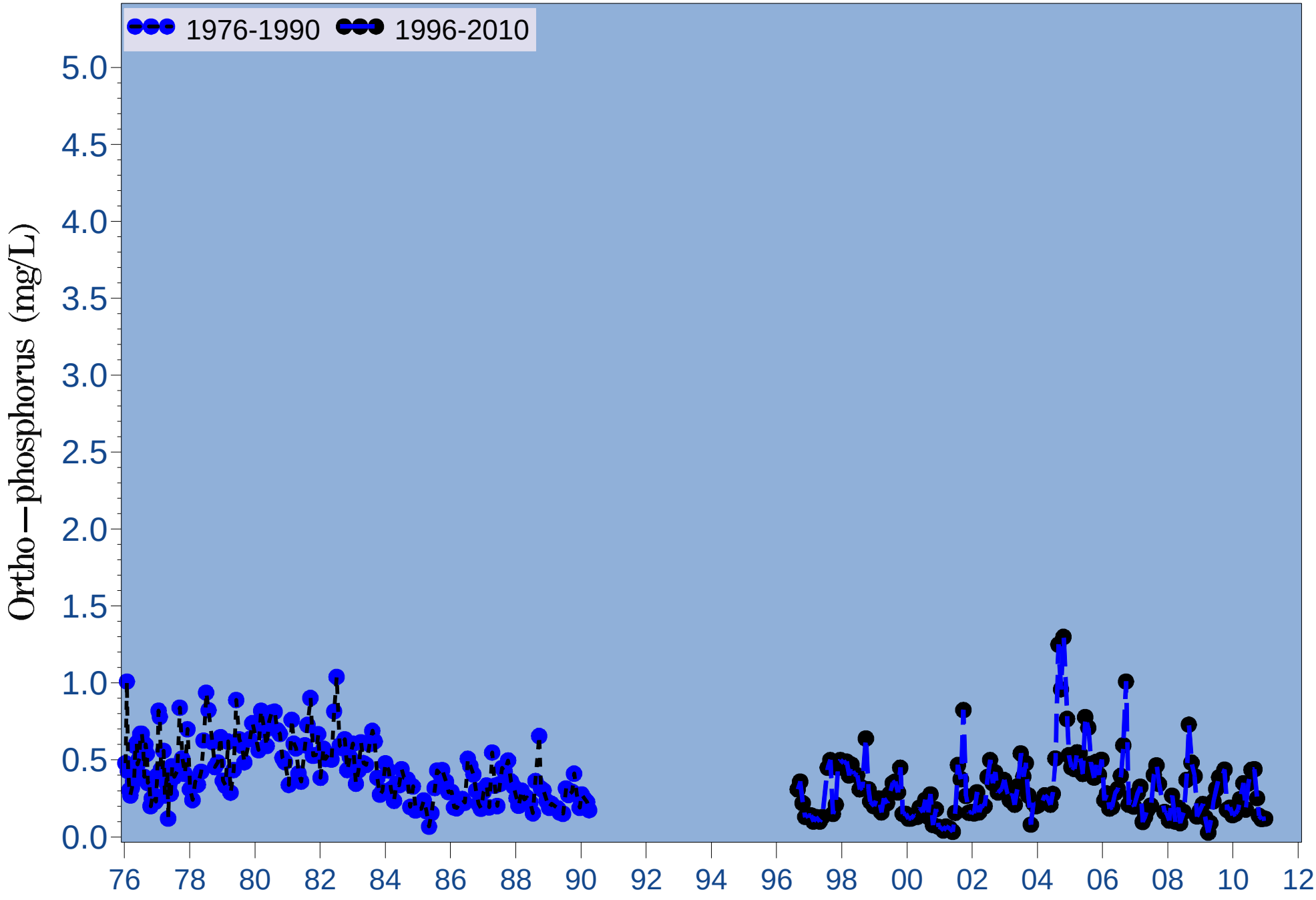


Figure 4.25b Monthly long-term surface ortho-phosphorus at river kilometer 6.6

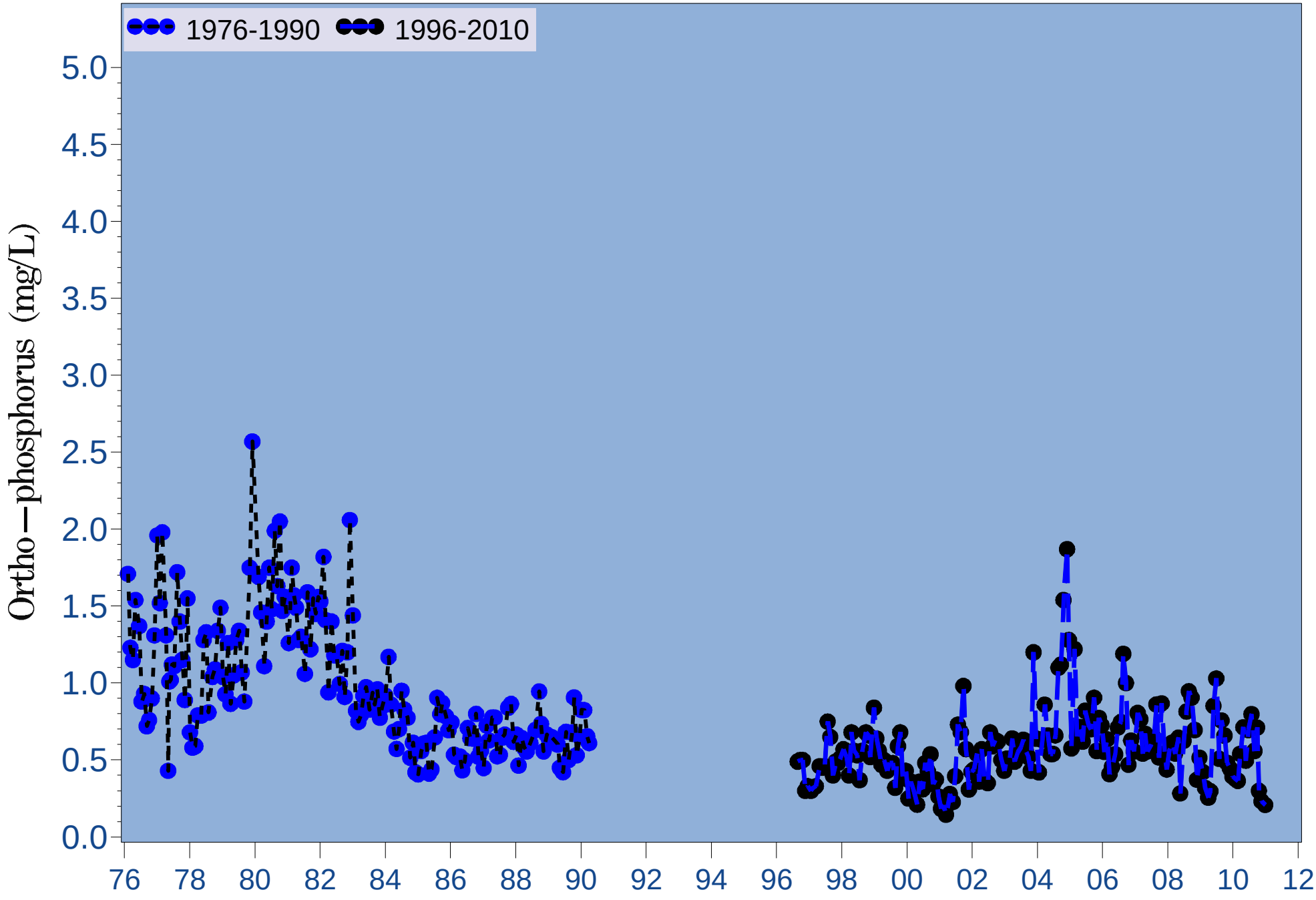


Figure 4.25c Monthly long-term surface ortho-phosphorus at river kilometer 15.5

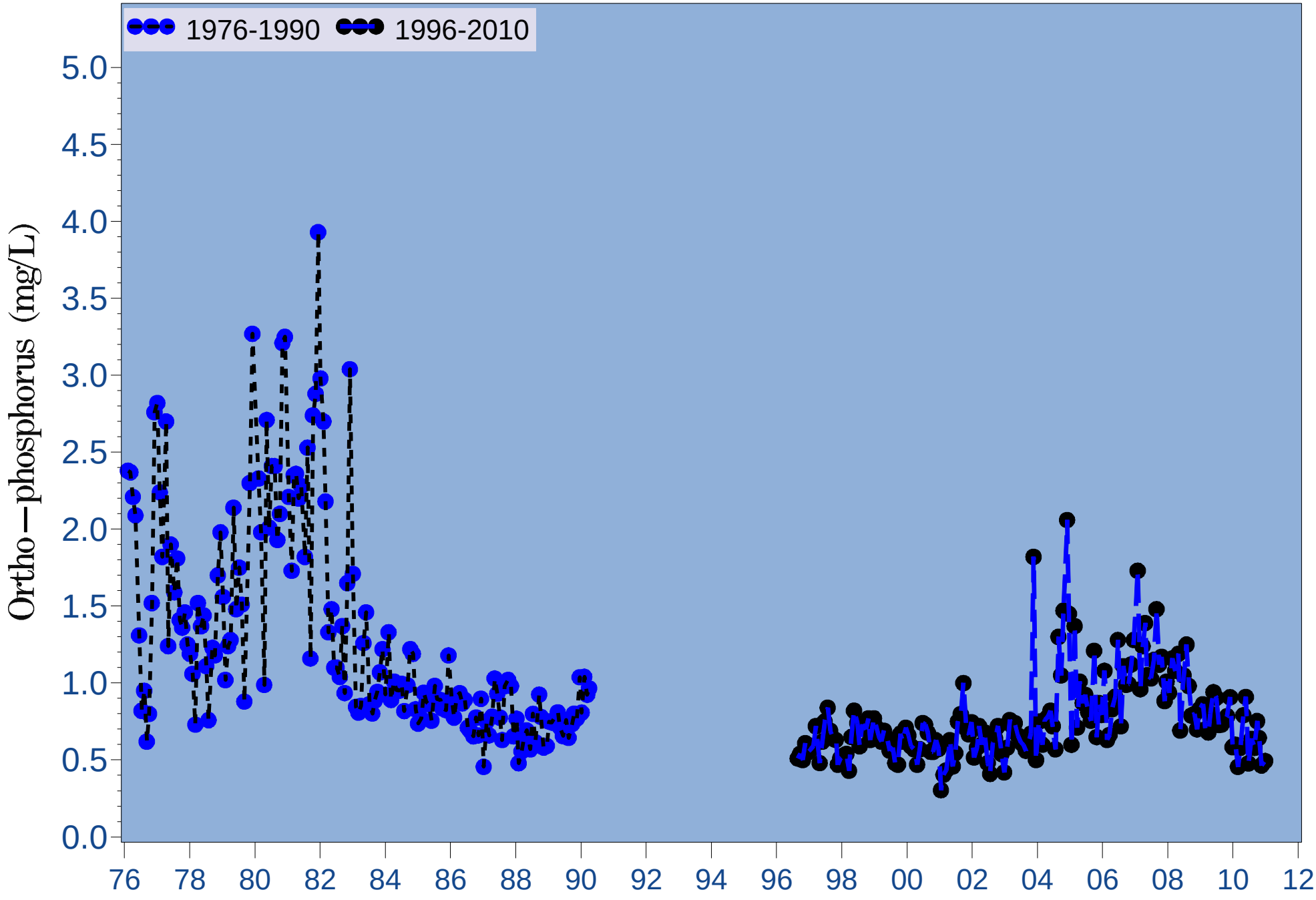


Figure 4.25d Monthly long-term surface ortho-phosphorus at river kilometer 23.6

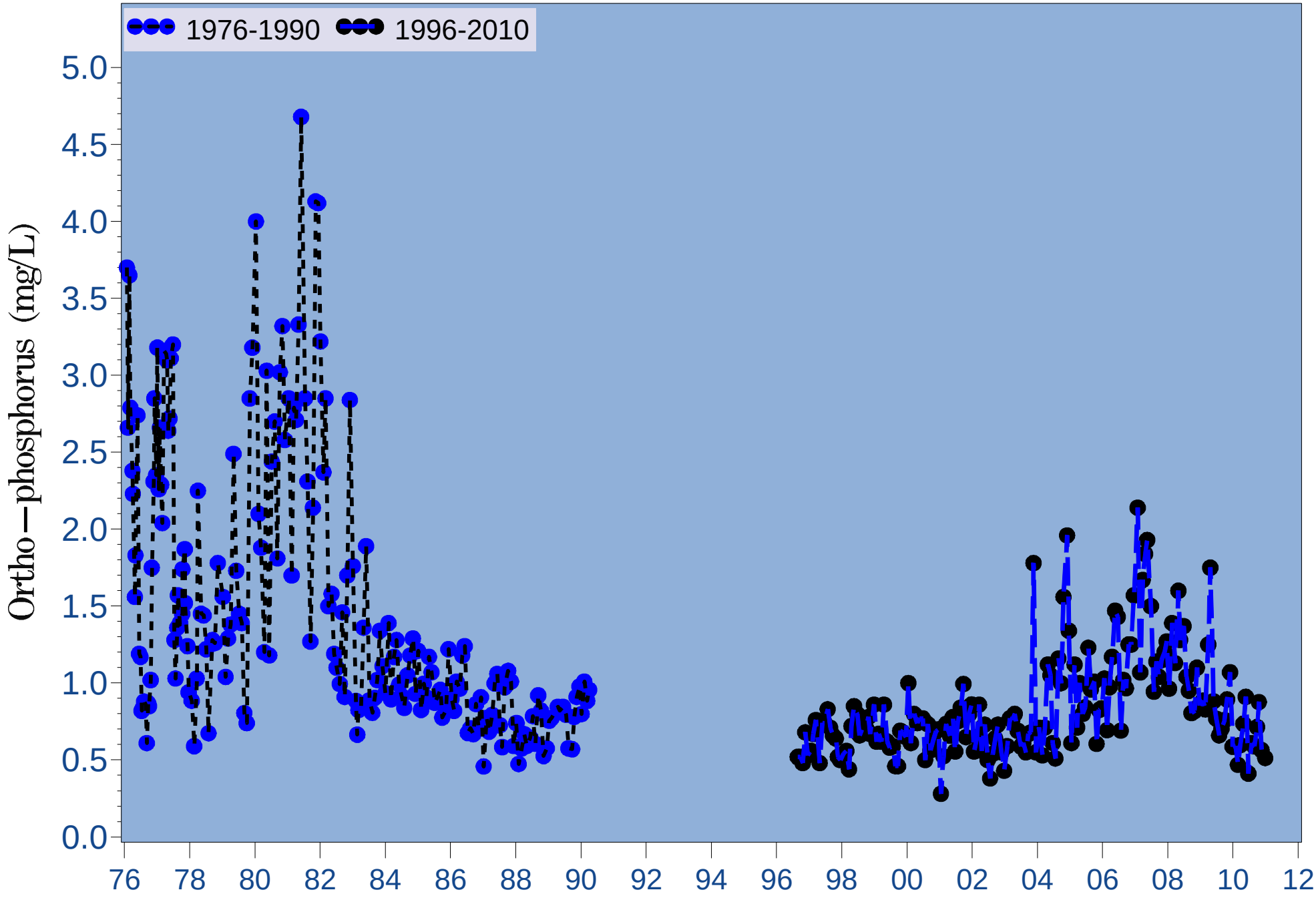


Figure 4.25e Monthly long-term surface ortho-phosphorus at river kilometer 30.7

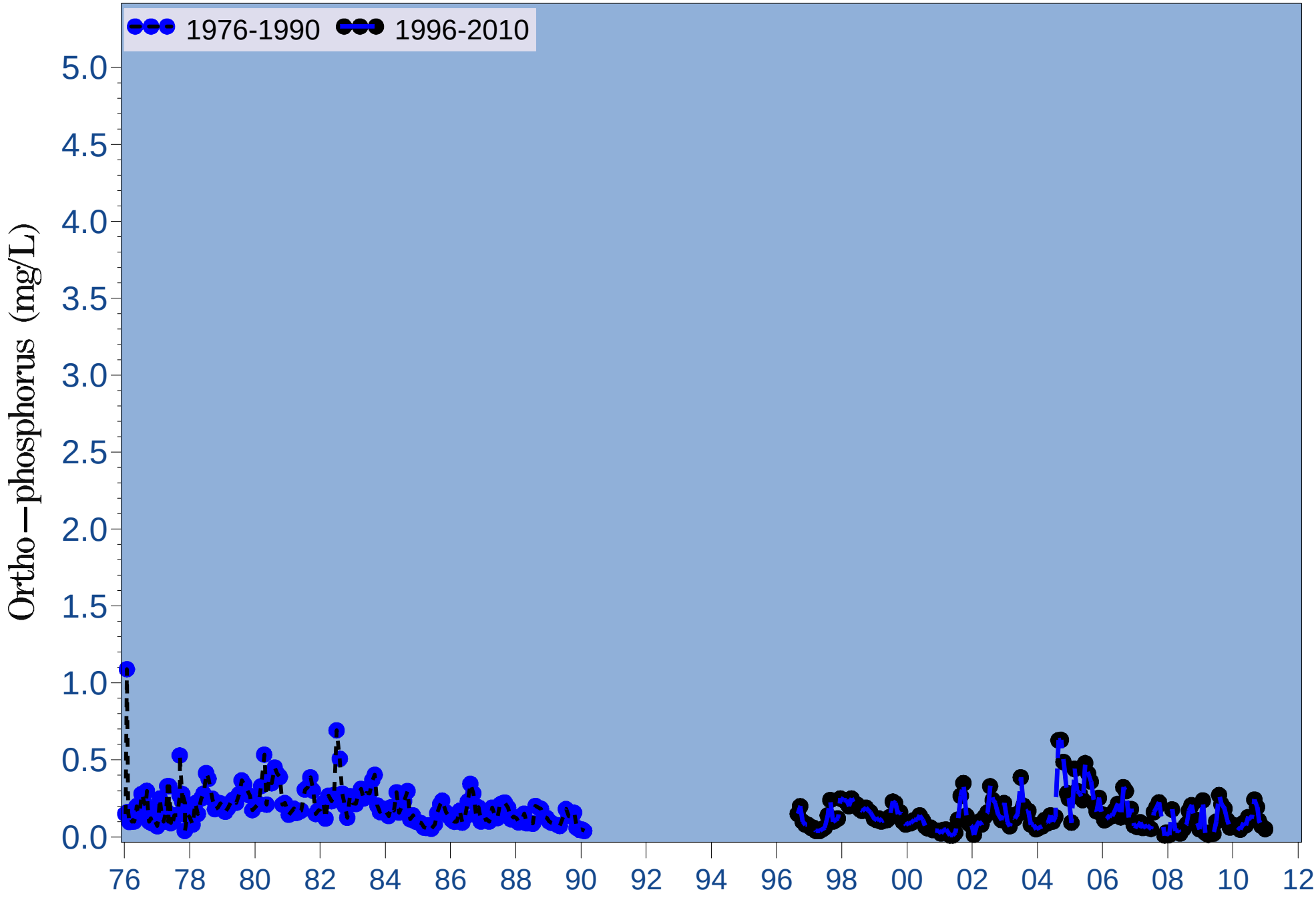


Figure 4.26a Monthly long-term bottom ortho-phosphorus at river kilometer -2.4

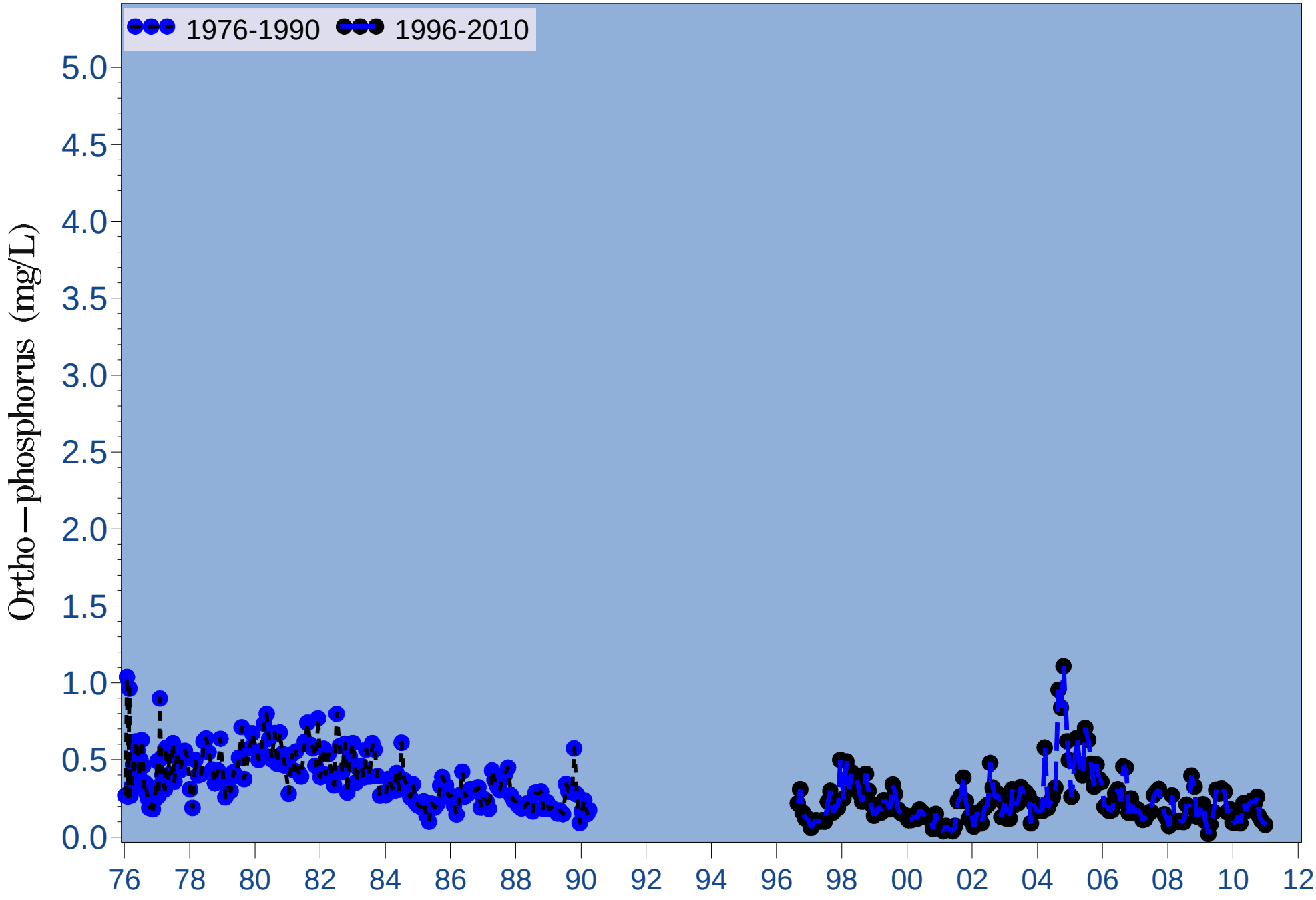


Figure 4.26b Monthly long-term bottom ortho-phosphorus at river kilometer 6.6

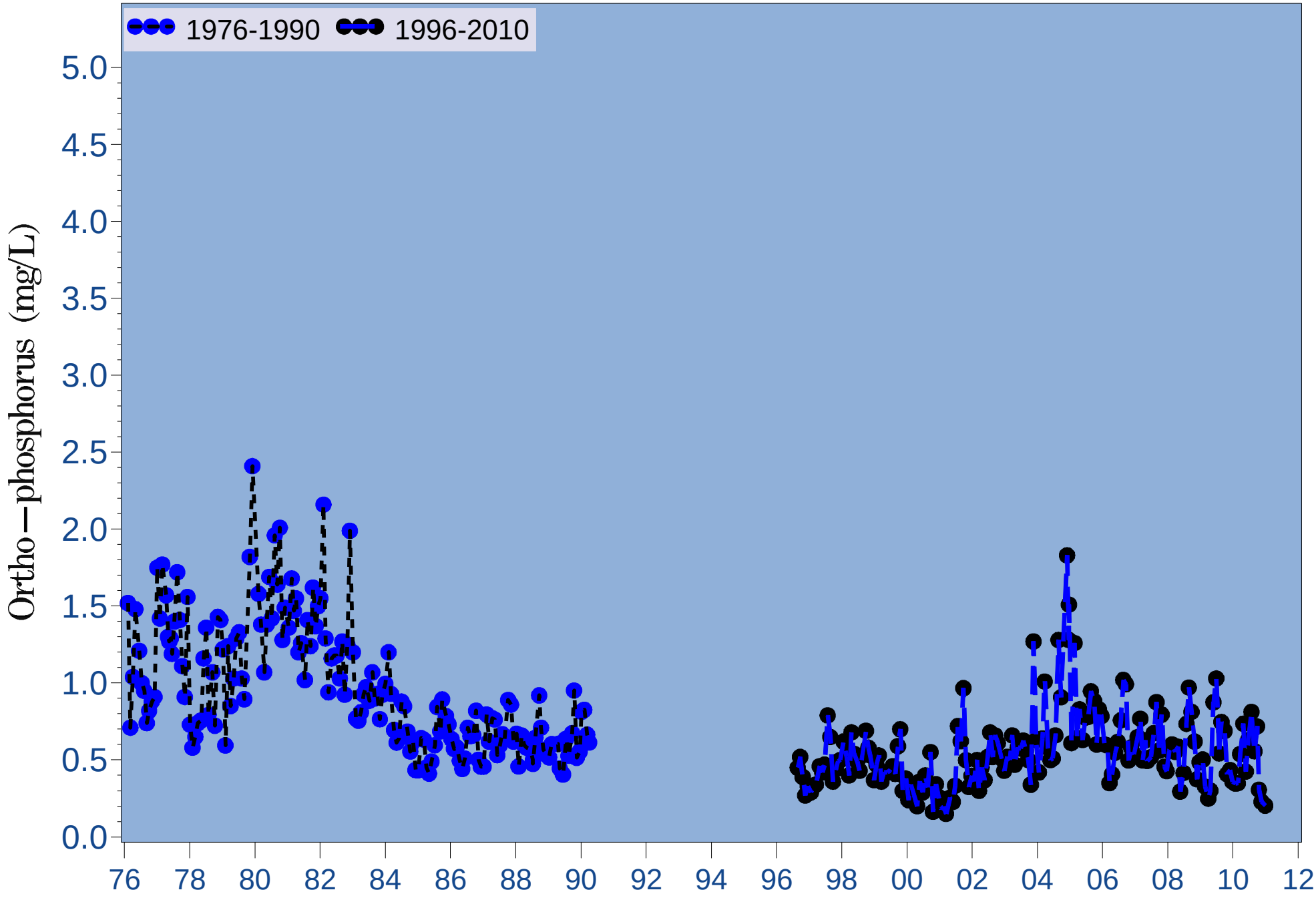


Figure 4.26c Monthly long-term bottom ortho-phosphorus at river kilometer 15.5

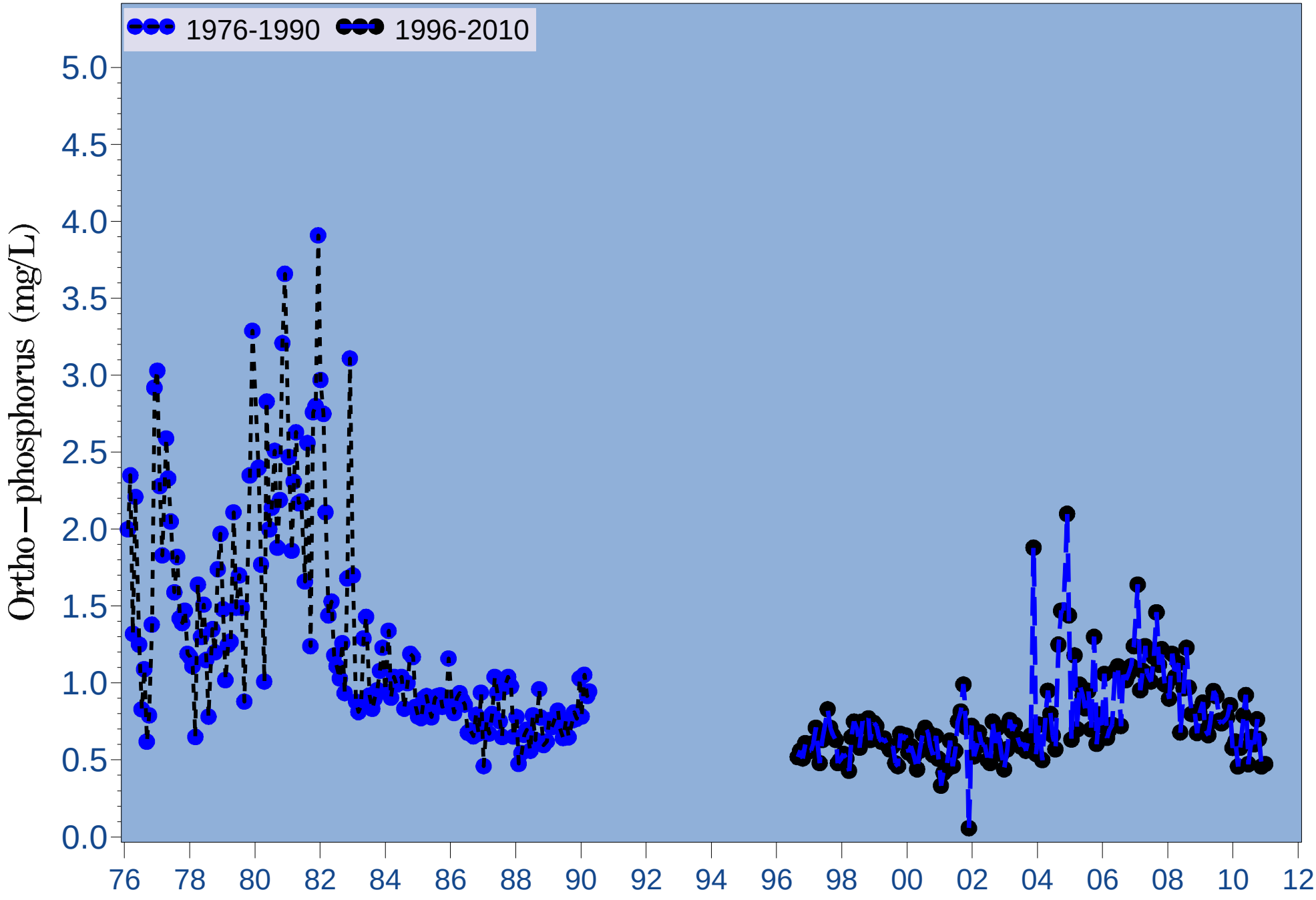


Figure 4.26d Monthly long-term bottom ortho-phosphorus at river kilometer 23.6

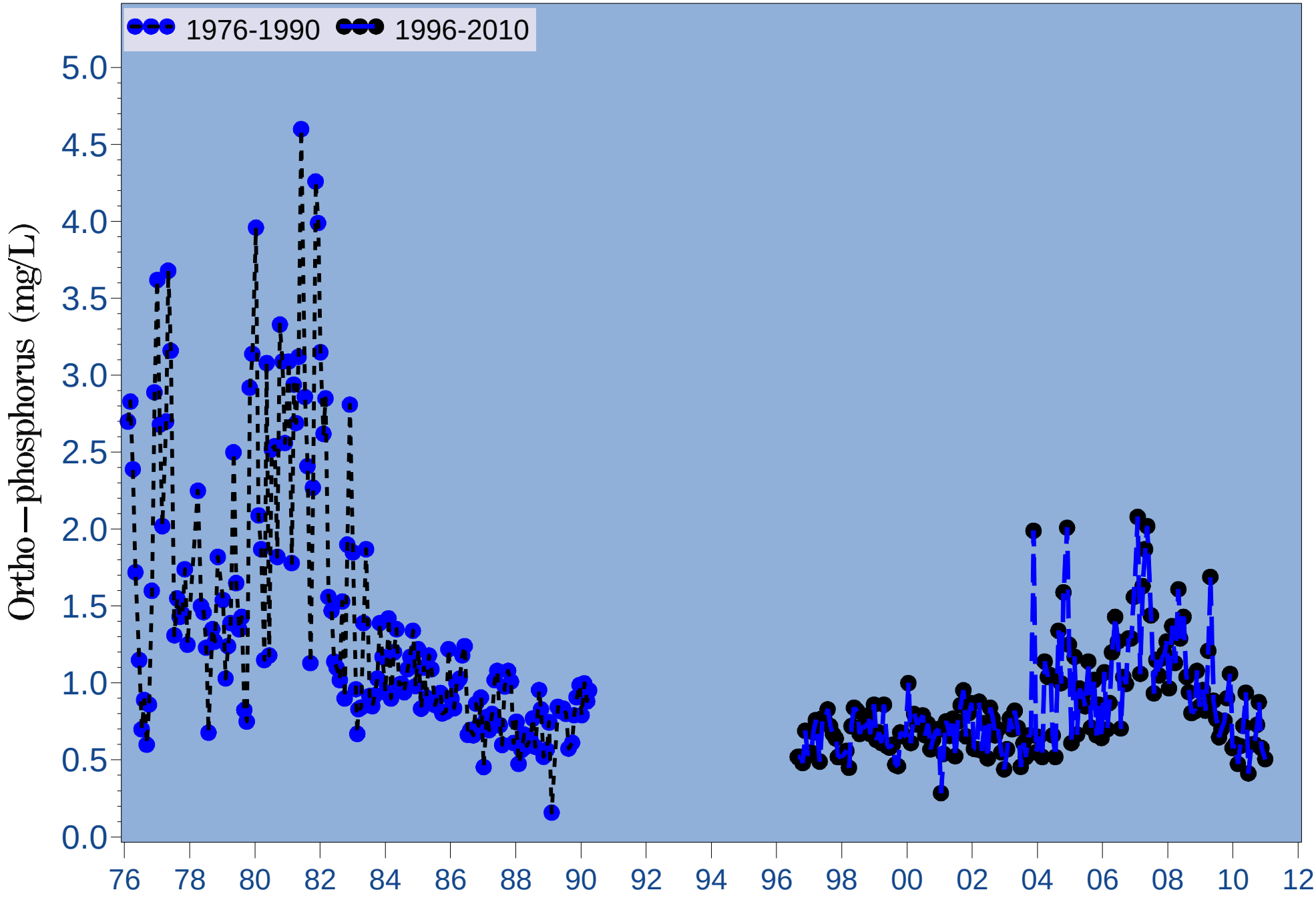


Figure 4.26e Monthly long-term bottom ortho-phosphorus at river kilometer 30.7

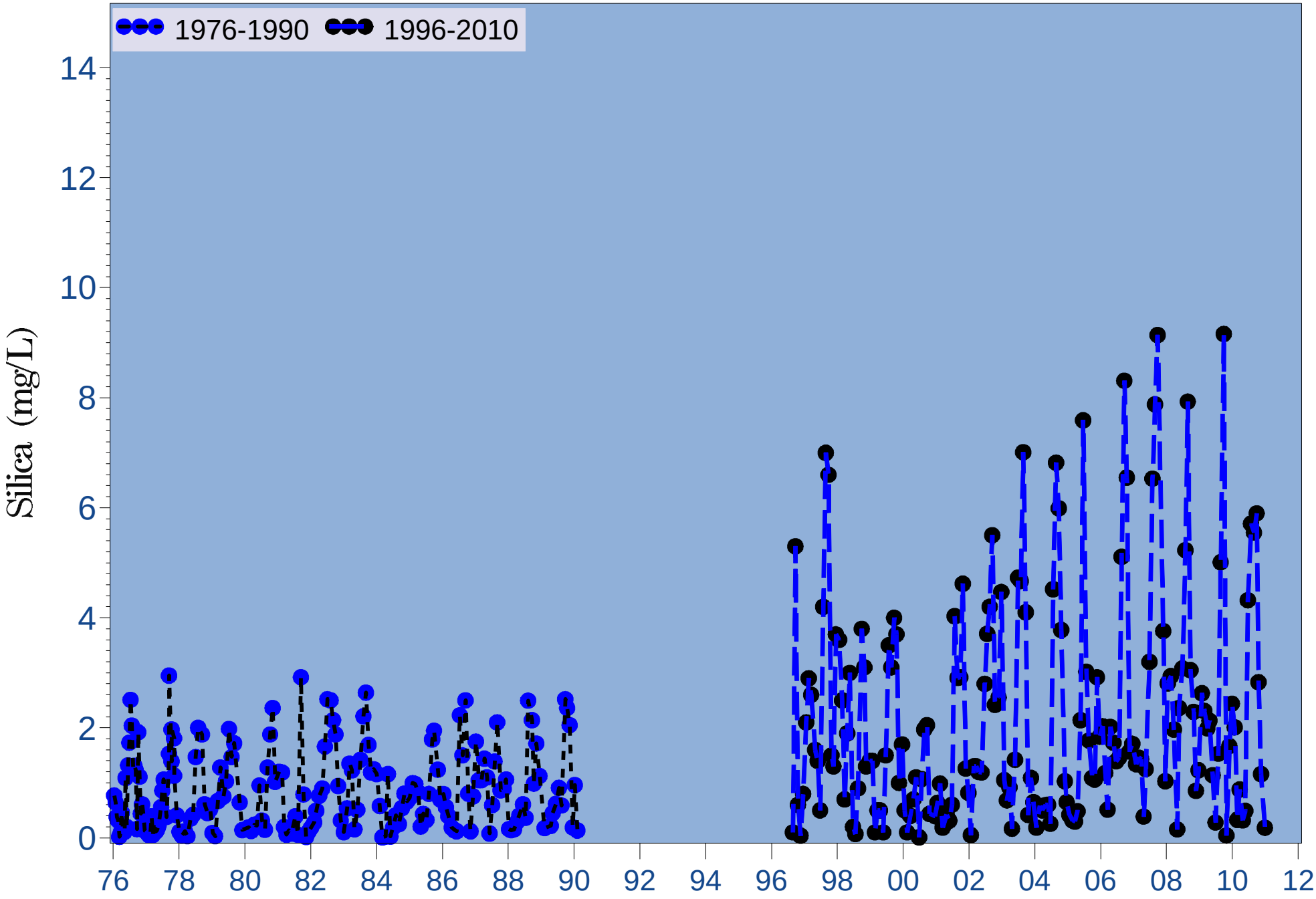


Figure 4.27a Monthly long-term surface silica at river kilometer -2.4

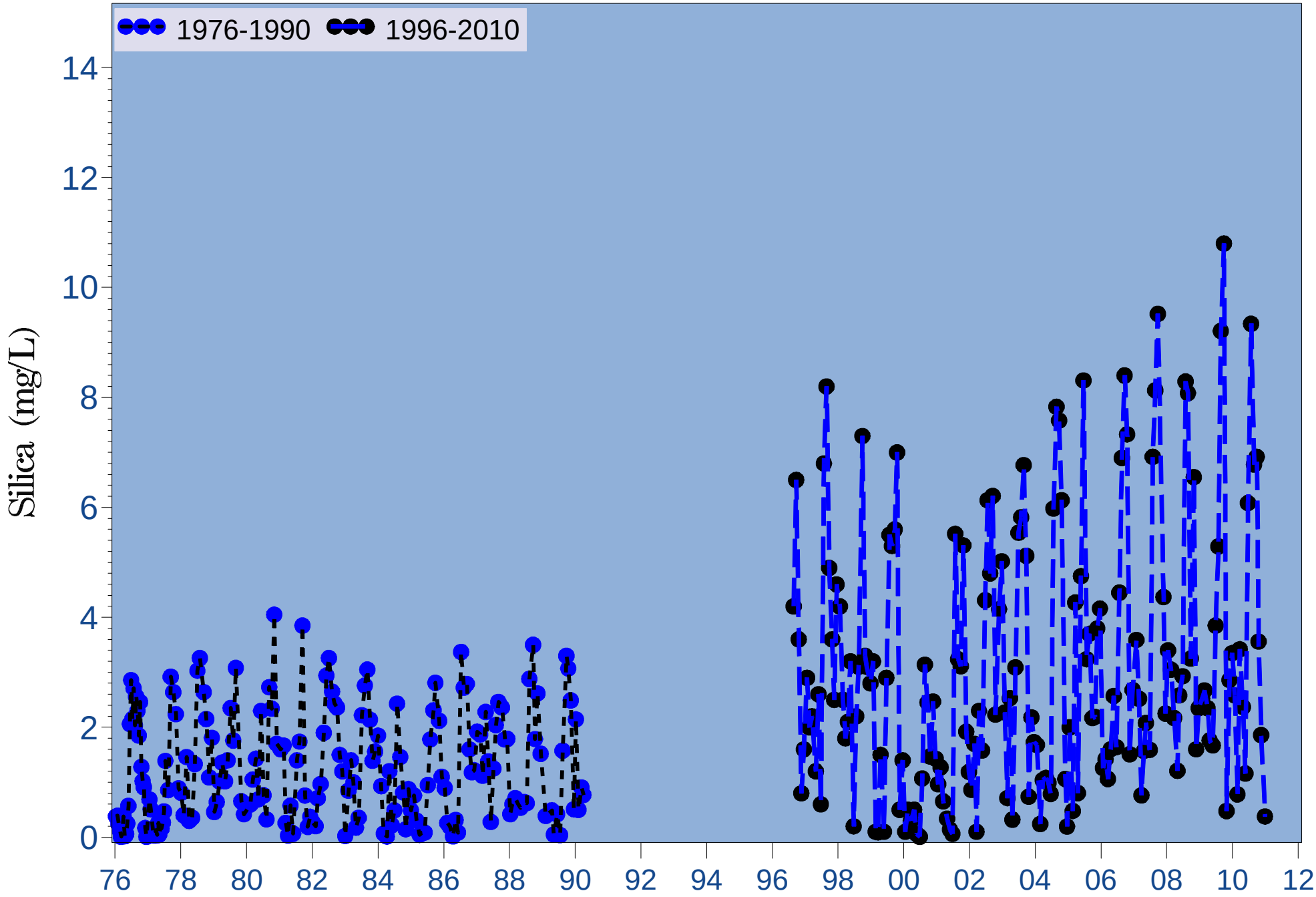


Figure 4.27b Monthly long-term surface silica at river kilometer 6.6

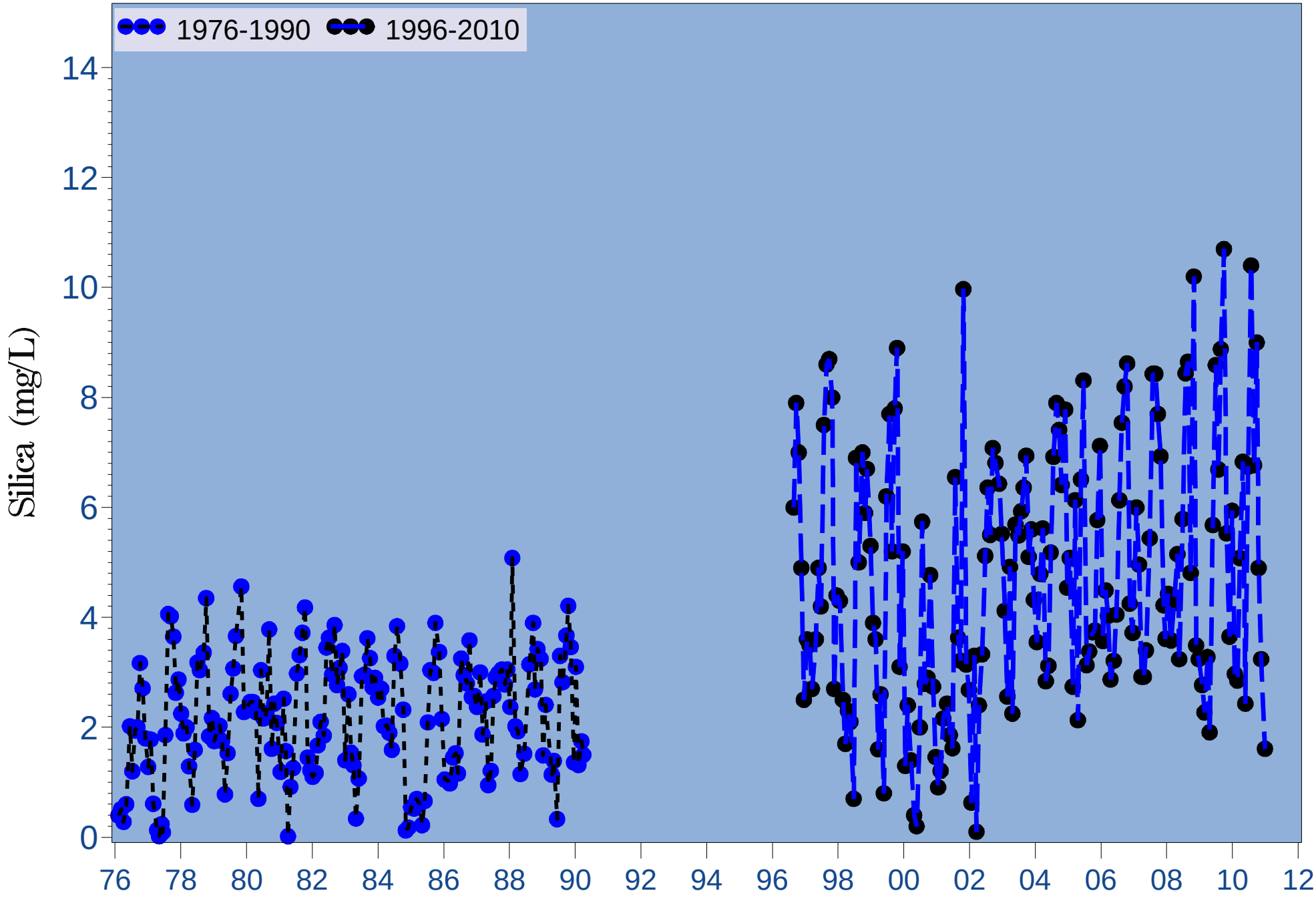


Figure 4.27c Monthly long-term surface silica at river kilometer 15.5

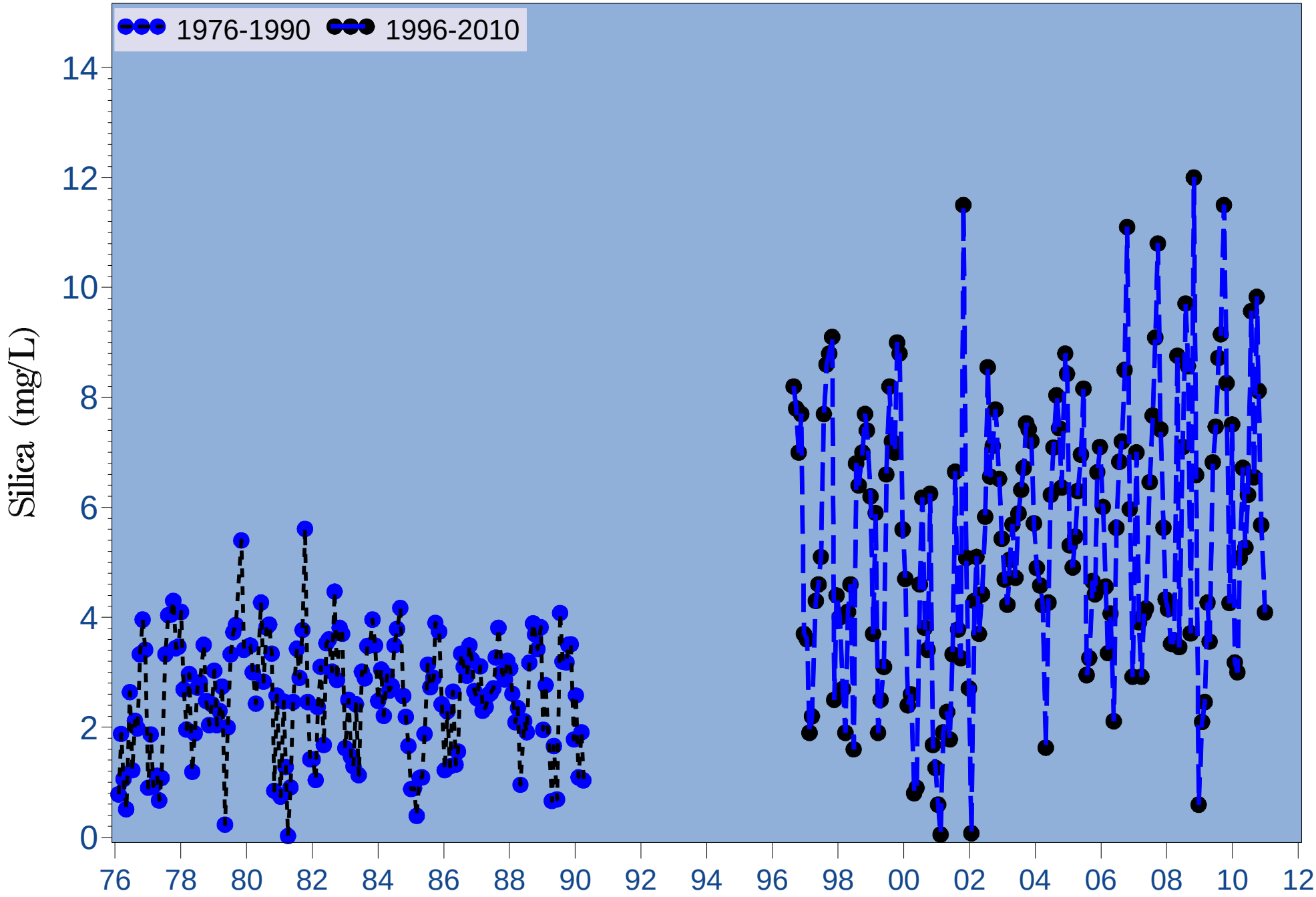


Figure 4.27d Monthly long-term surface silica at river kilometer 23.6

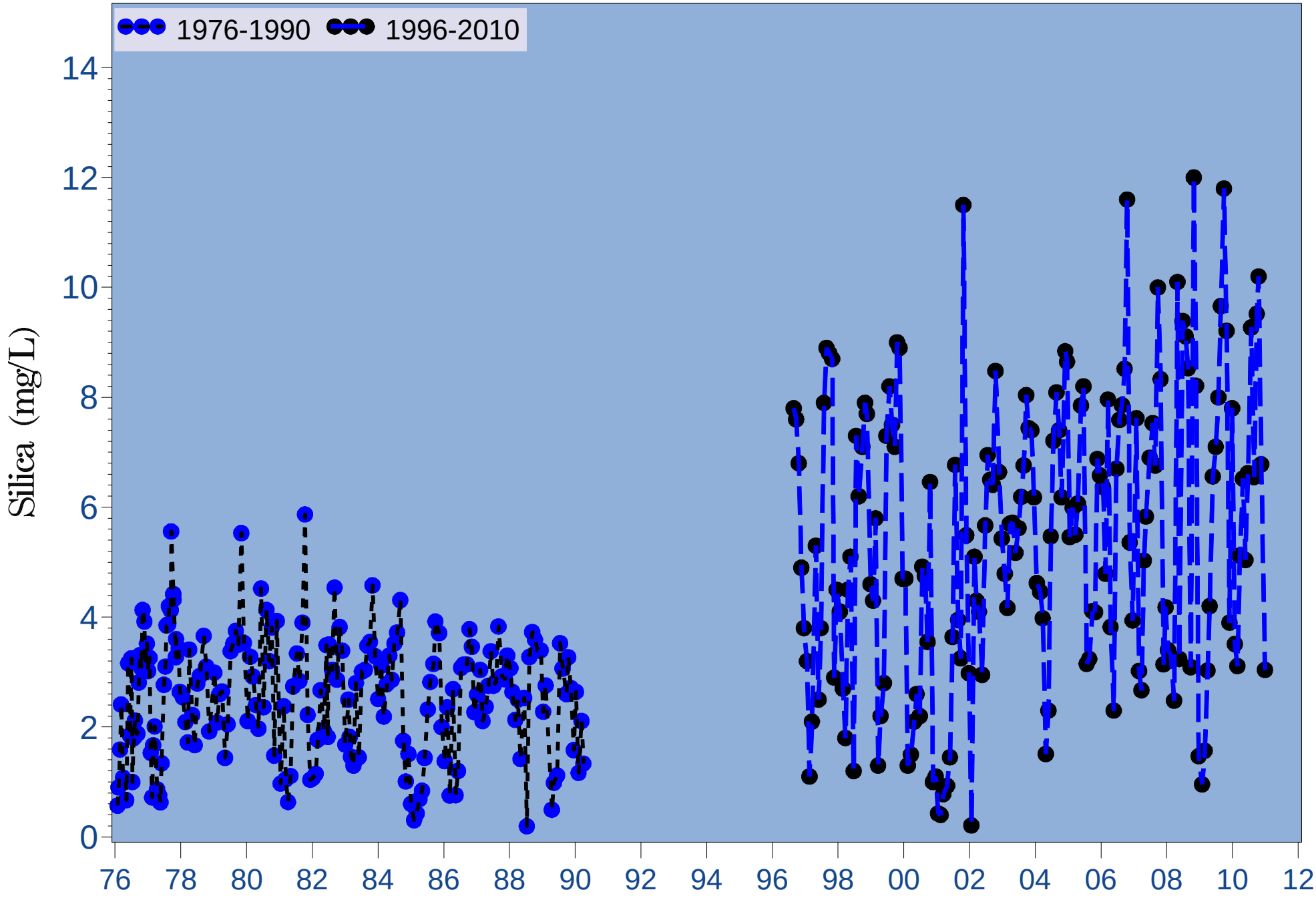


Figure 4.27e Monthly long-term surface silica at river kilometer 30.7

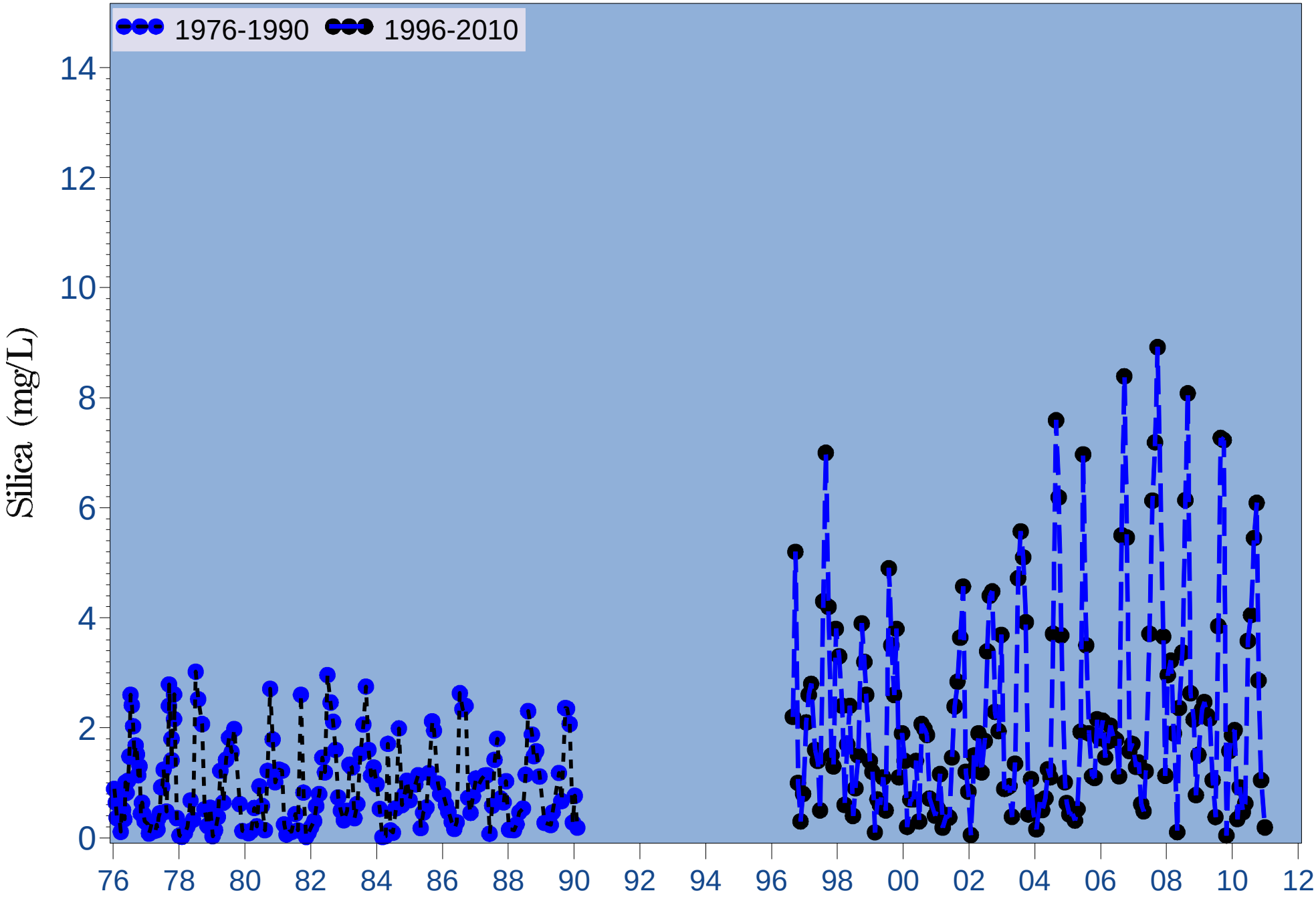


Figure 4.28a Monthly long-term bottom silica at river kilometer -2.4

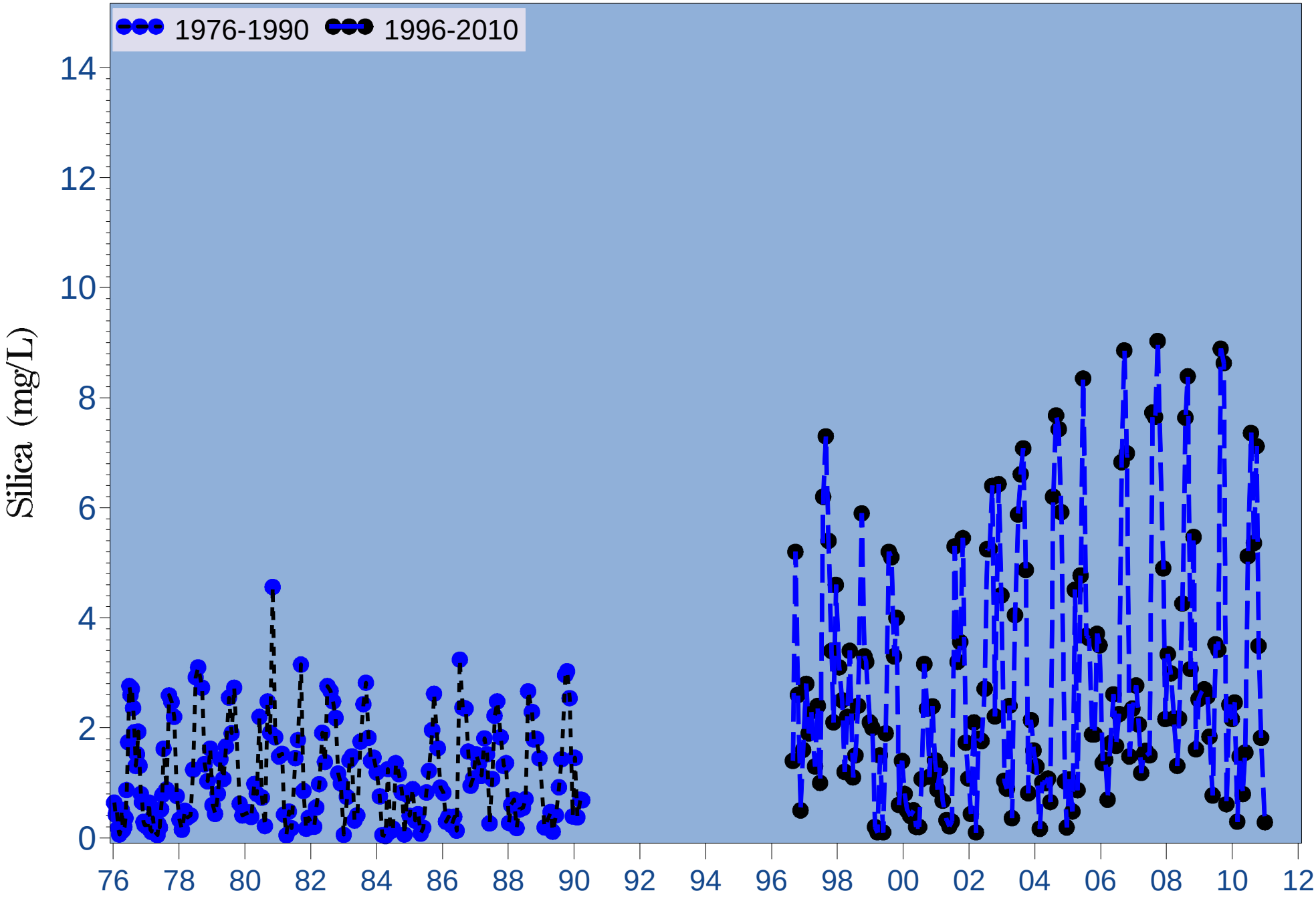


Figure 4.28b Monthly long-term bottom silica at river kilometer 6.6

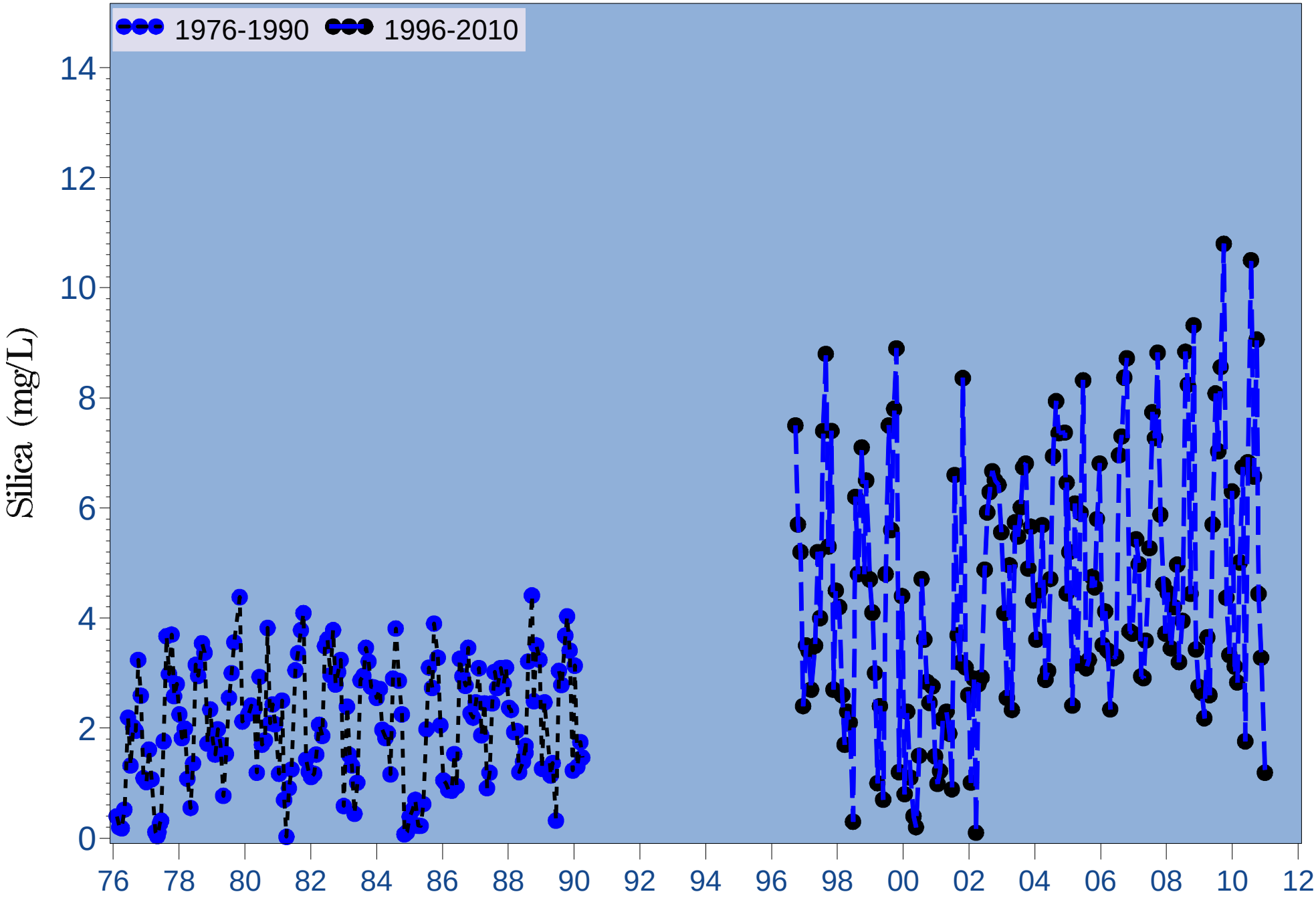


Figure 4.28c Monthly long-term bottom silica at river kilometer 15.5

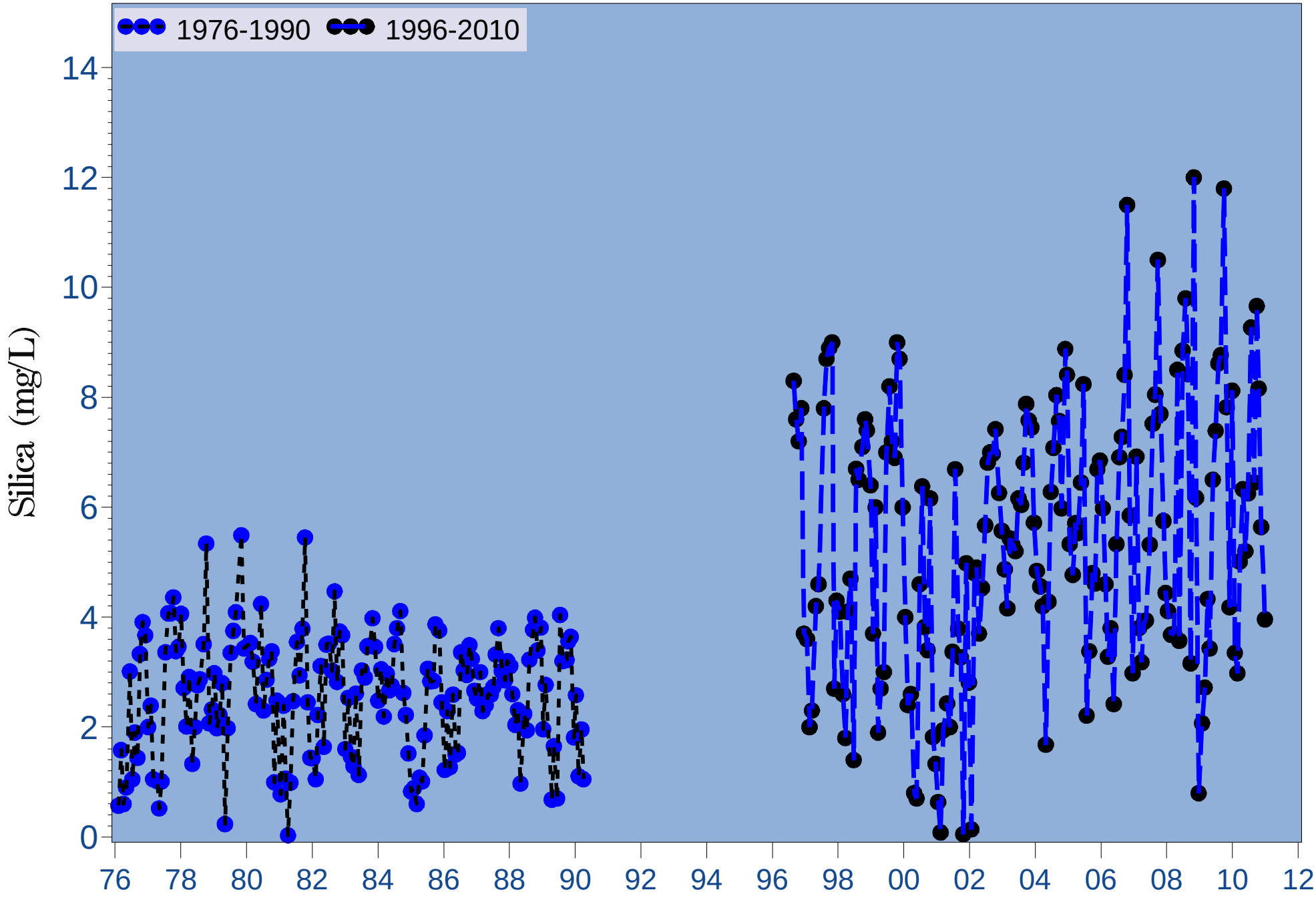


Figure 4.28d Monthly long-term bottom silica at river kilometer 23.6

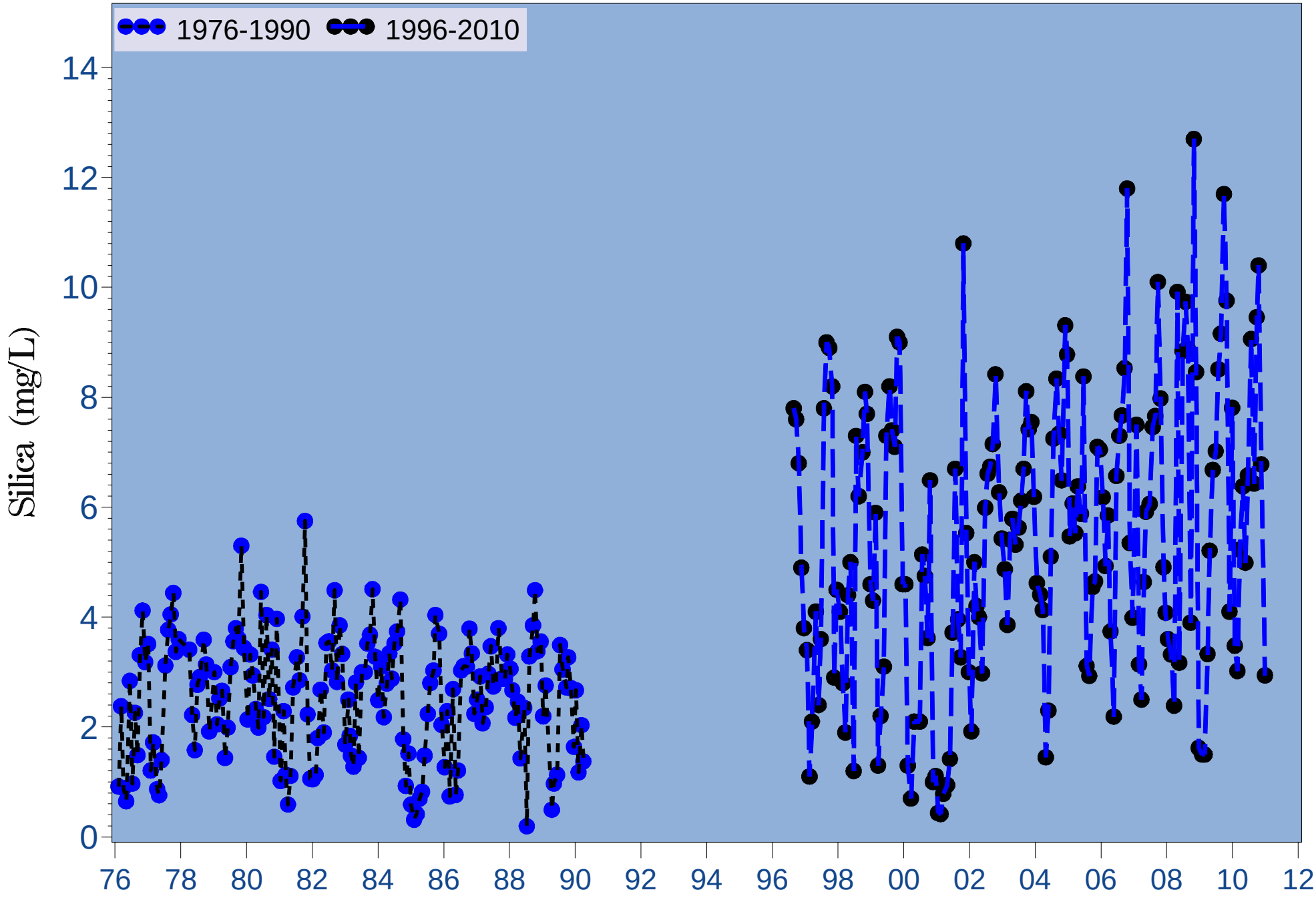


Figure 4.28e Monthly long-term bottom silica at river kilometer 30.7

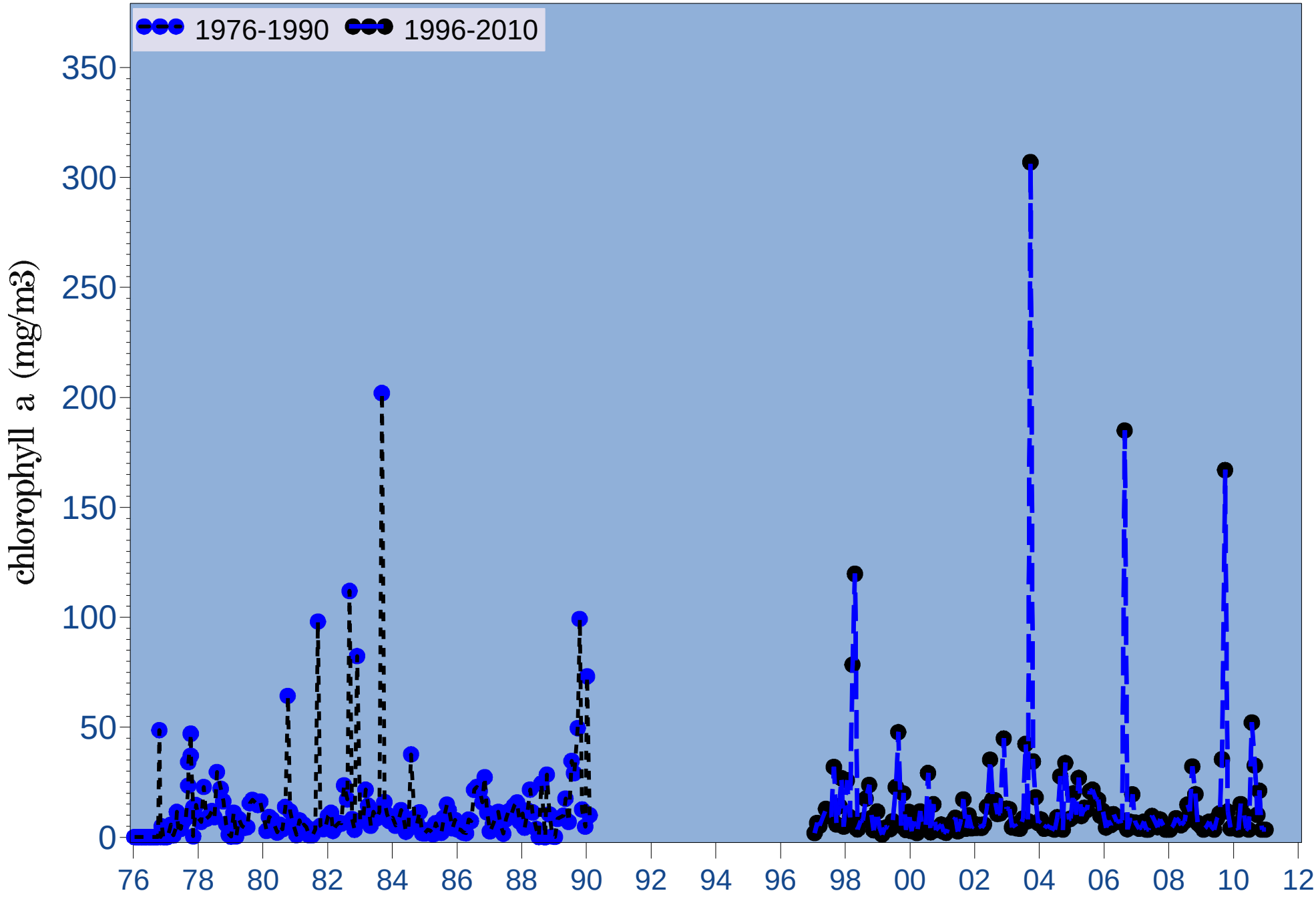


Figure 4.29a Monthly long-term surface chlorophyll a at river kilometer -2.4

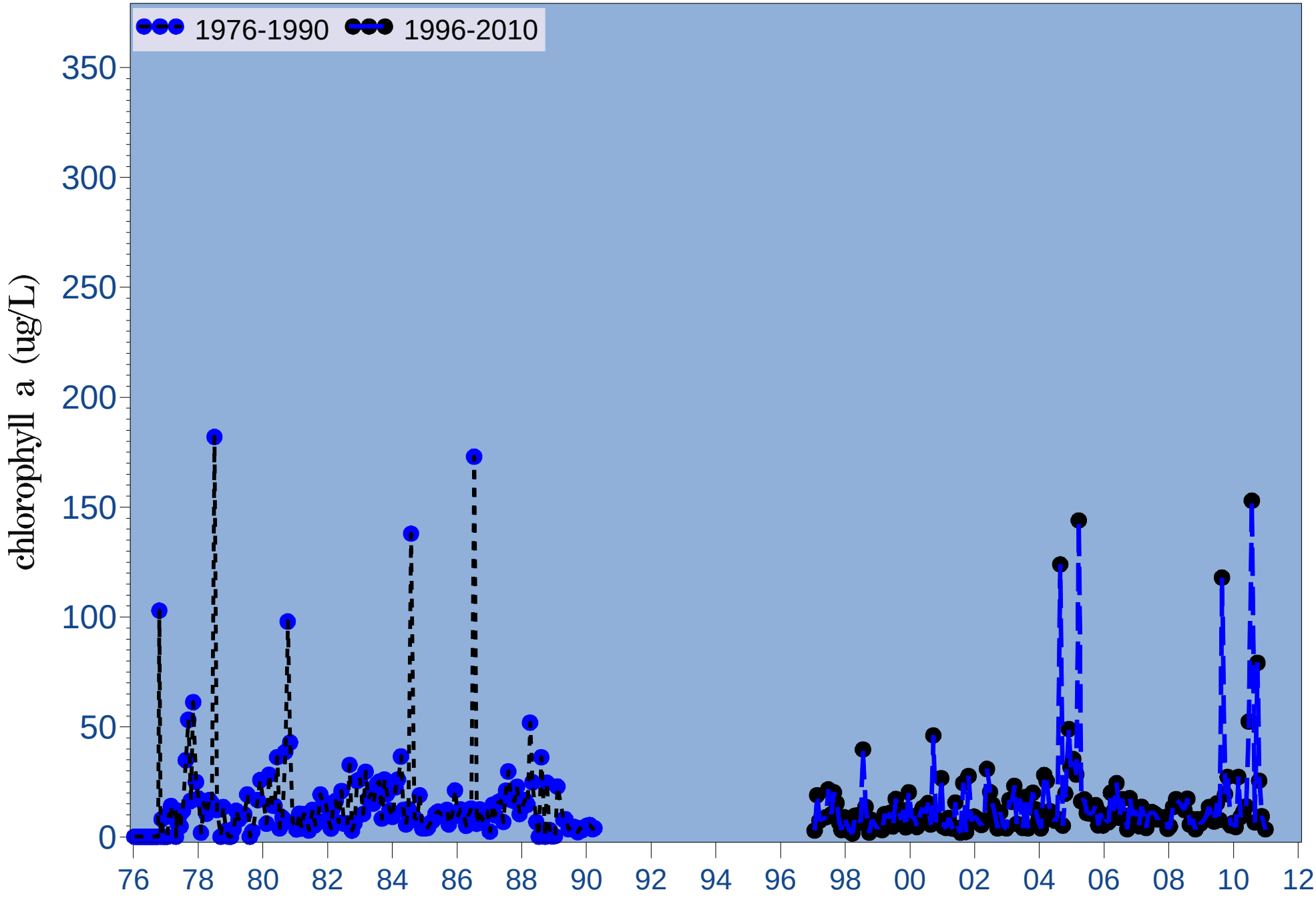


Figure 4.29b Monthly long-term surface chlorophyll a at river kilometer 6.6

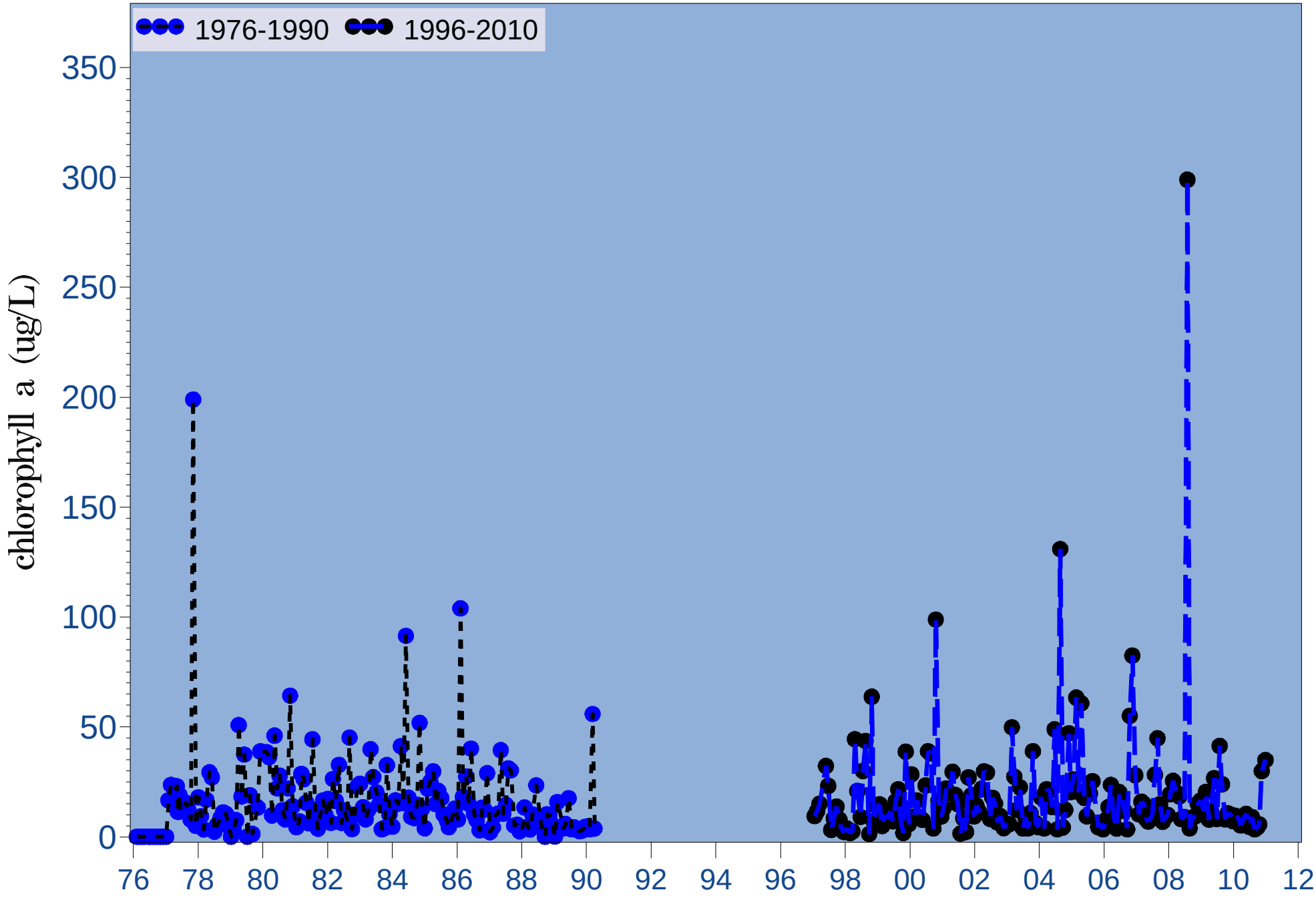


Figure 4.29c Monthly long-term surface chlorophyll a at river kilometer 15.5

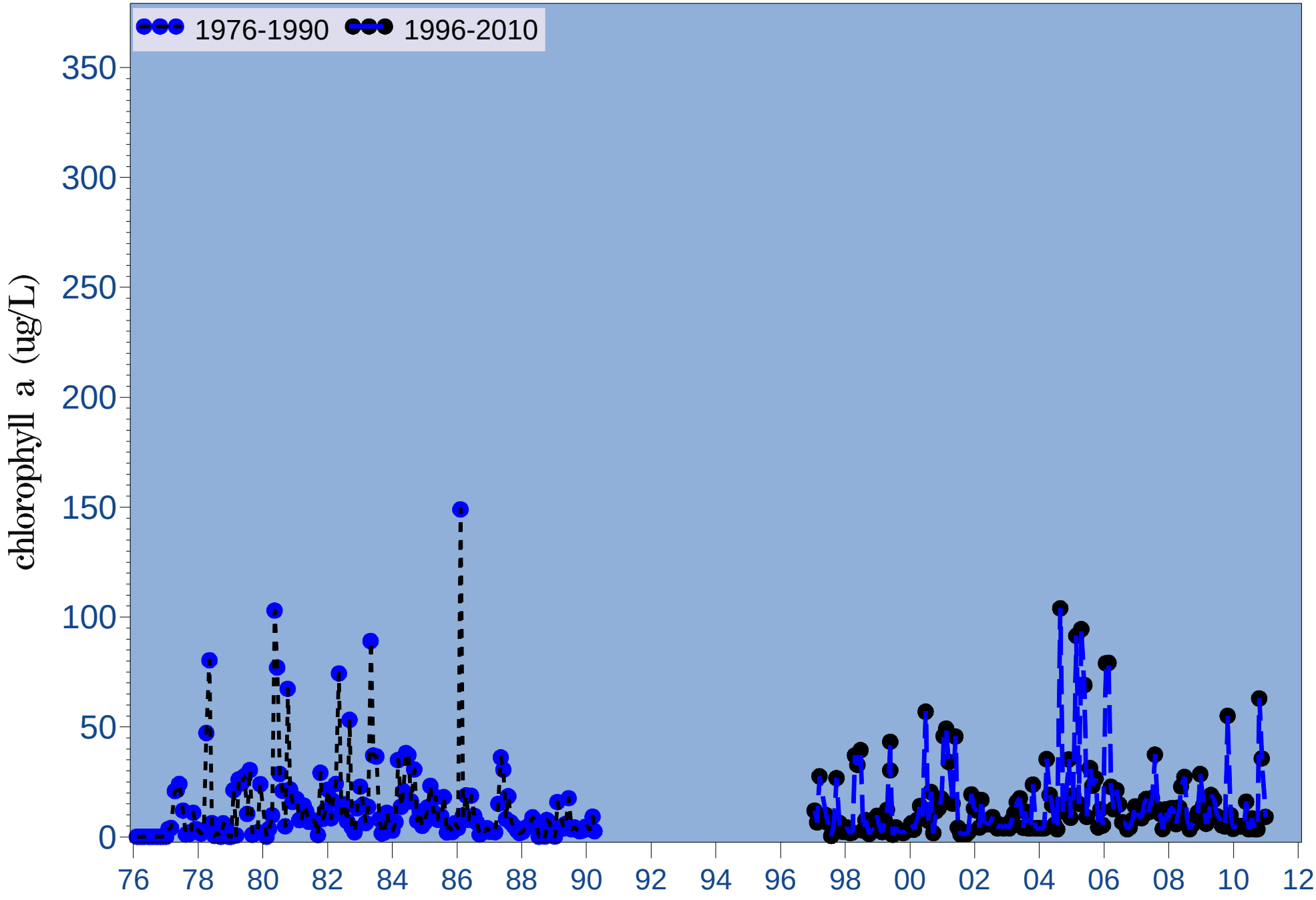


Figure 4.29d Monthly long-term surface chlorophyll a at river kilometer 23.6

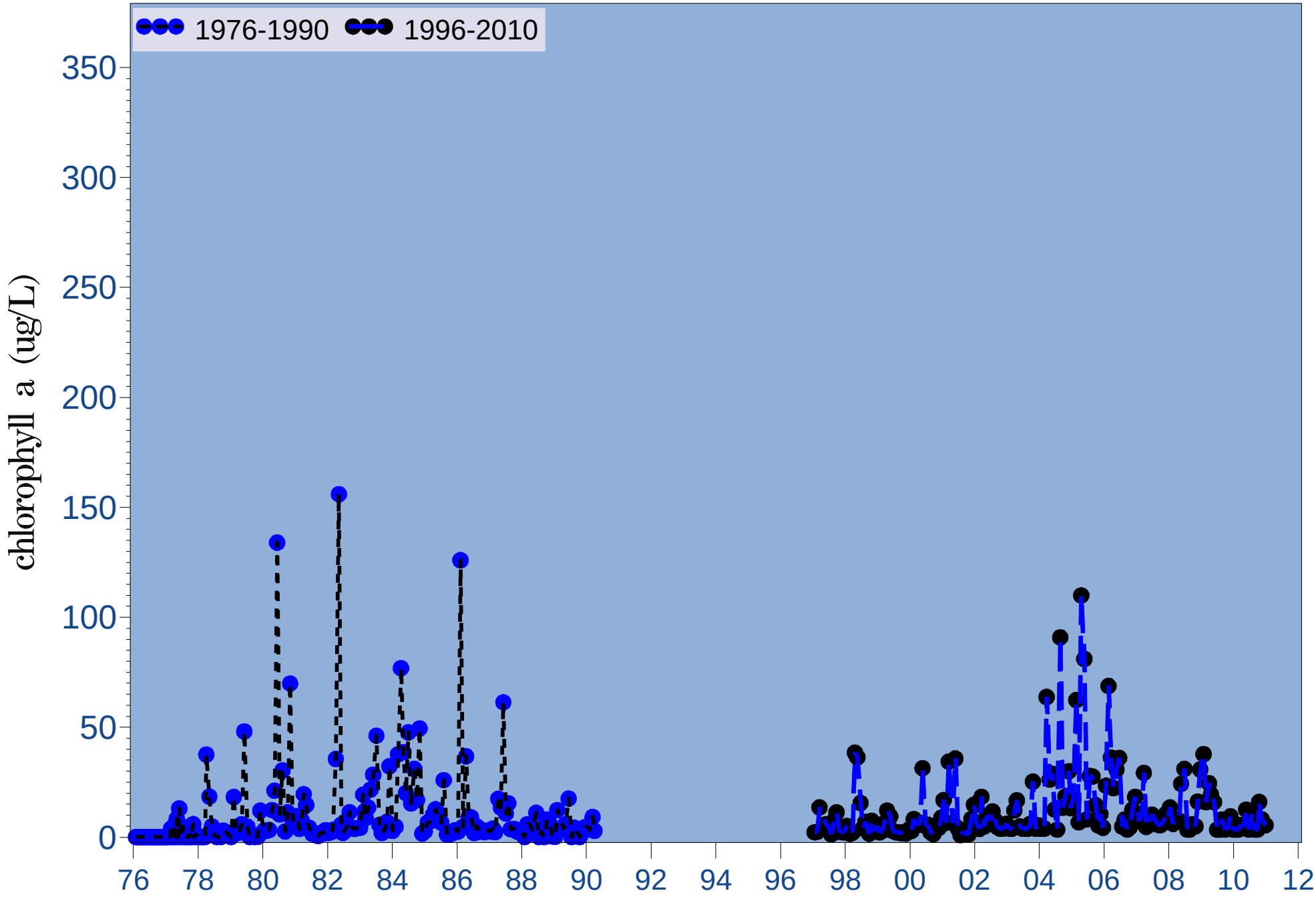


Figure 4.29e Monthly long-term surface chlorophyll a at river kilometer 30.7

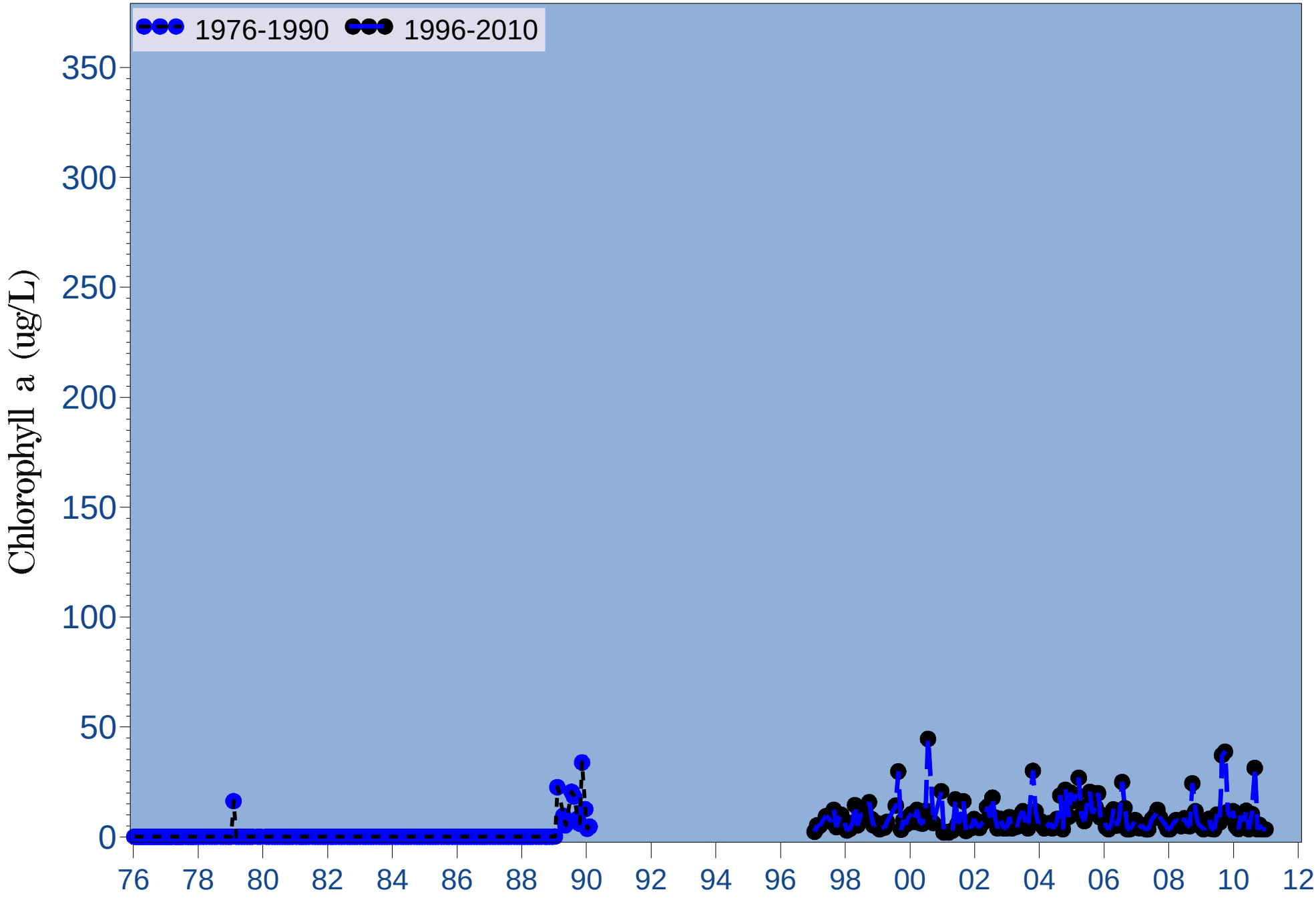


Figure 4.30a Monthly long-term bottom chlorophyll a at river kilometer -2.4

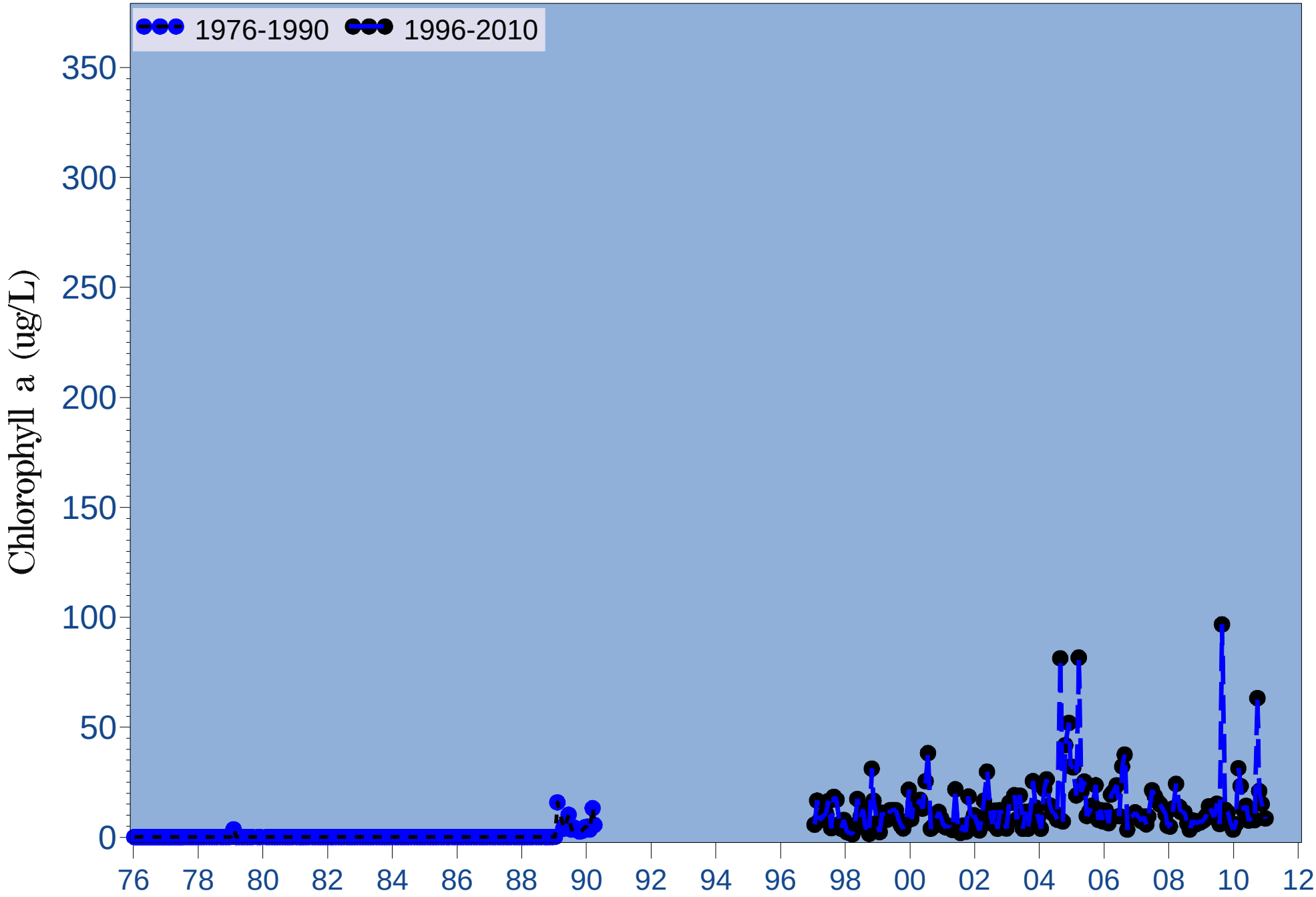


Figure 4.30b Monthly long-term bottom chlorophyll a at river kilometer 6.6

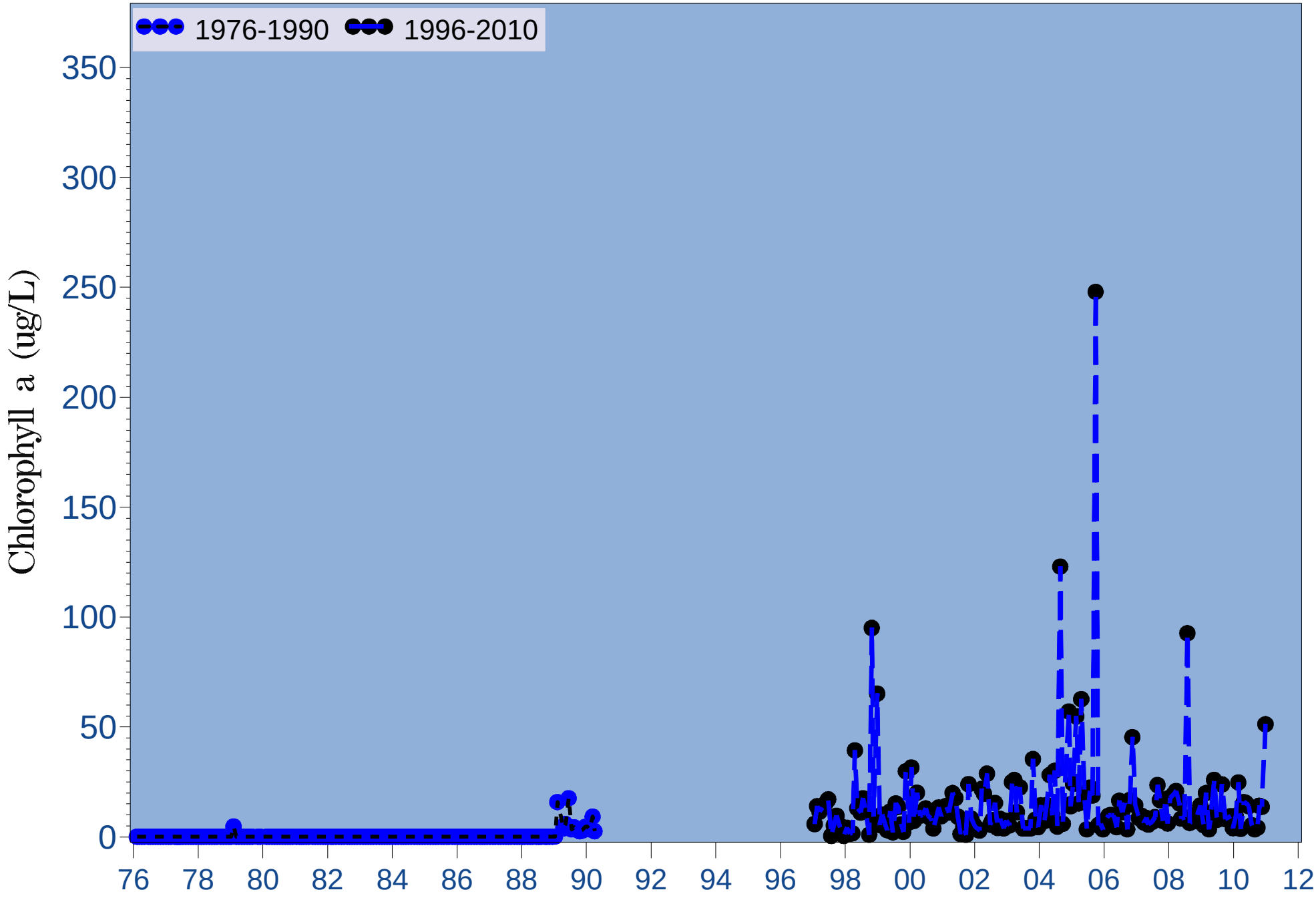


Figure 4.30c Monthly long-term bottom chlorophyll a at river kilometer 15.5

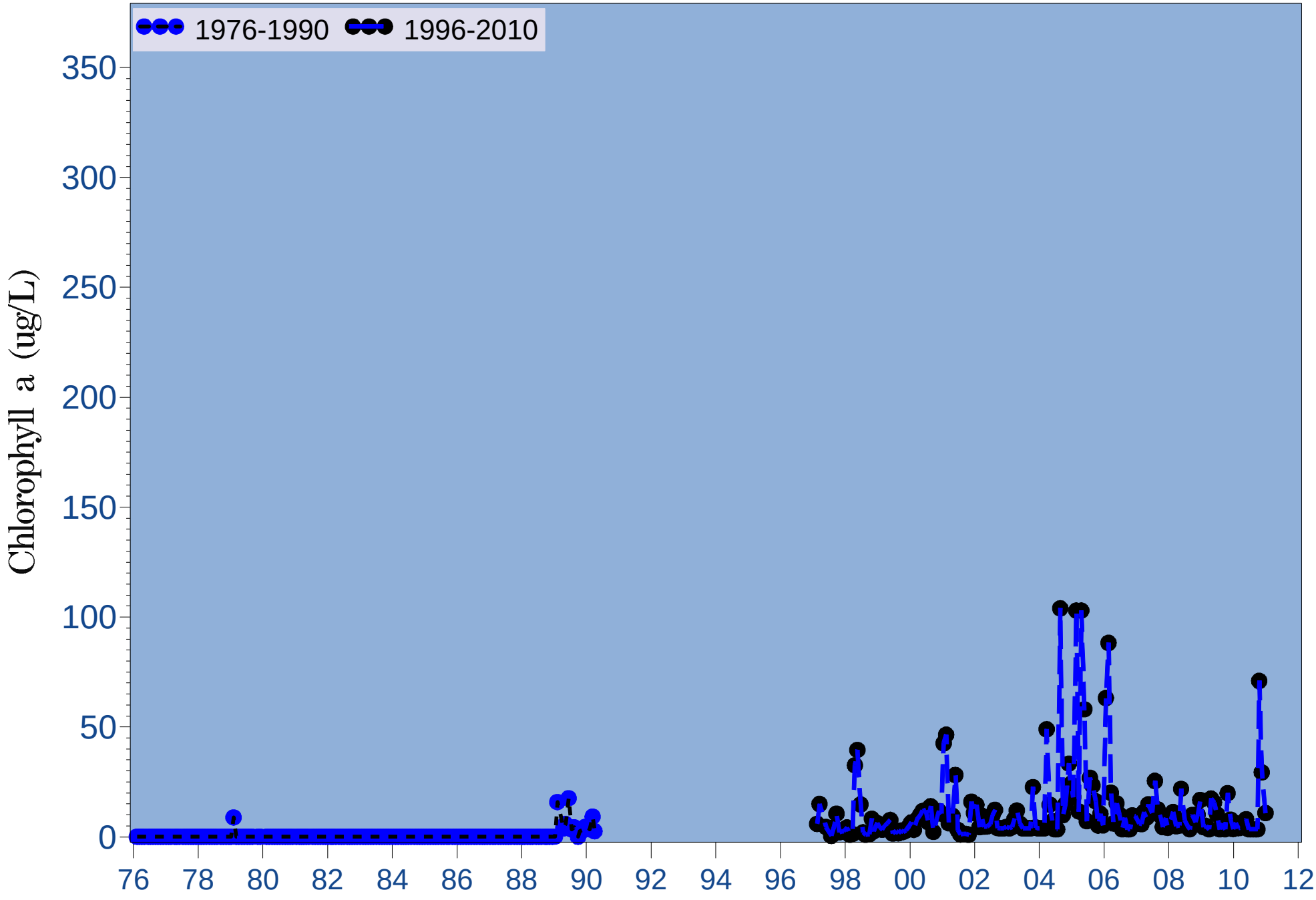


Figure 4.30d Monthly long-term bottom chlorophyll a at river kilometer 23.6

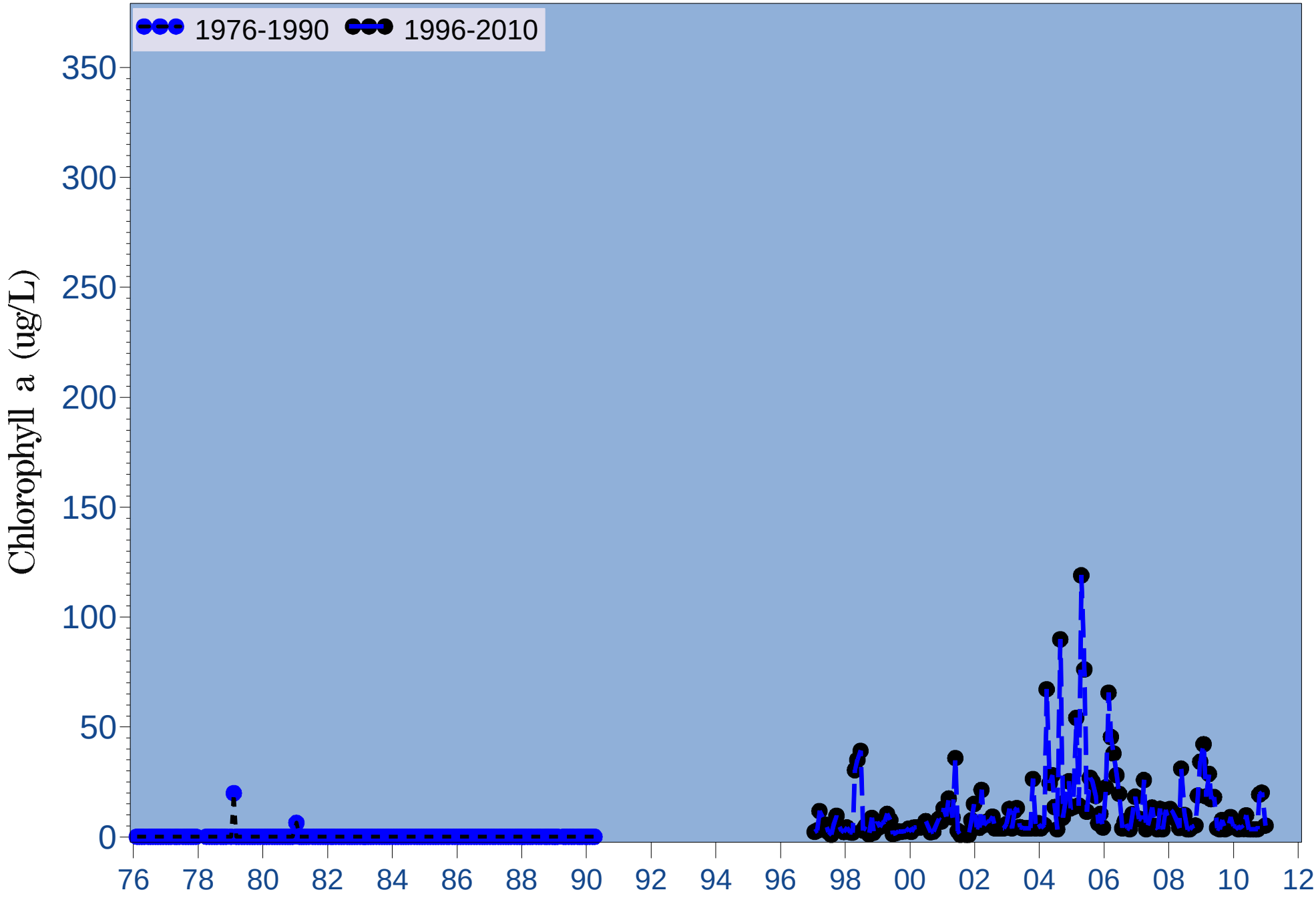


Figure 4.30e Monthly long-term bottom chlorophyll a at river kilometer 30.7

Peace River
Water Treatment Facility

RK 29.8

RK 26.7

RK 31.7

RK 31.6

RK 24.5

RK 21.9

RK 15.5

Shell Creek

Port
Charlotte

I-75
Bridge

RK 12.7

U.S. 41
Bridge

Mouth of
River

Punta
Gorda

Continuous
Recorders

HBMP

USGS

Figure 5.1

2010 Locations of
Continuous
Recorders

ATKINS

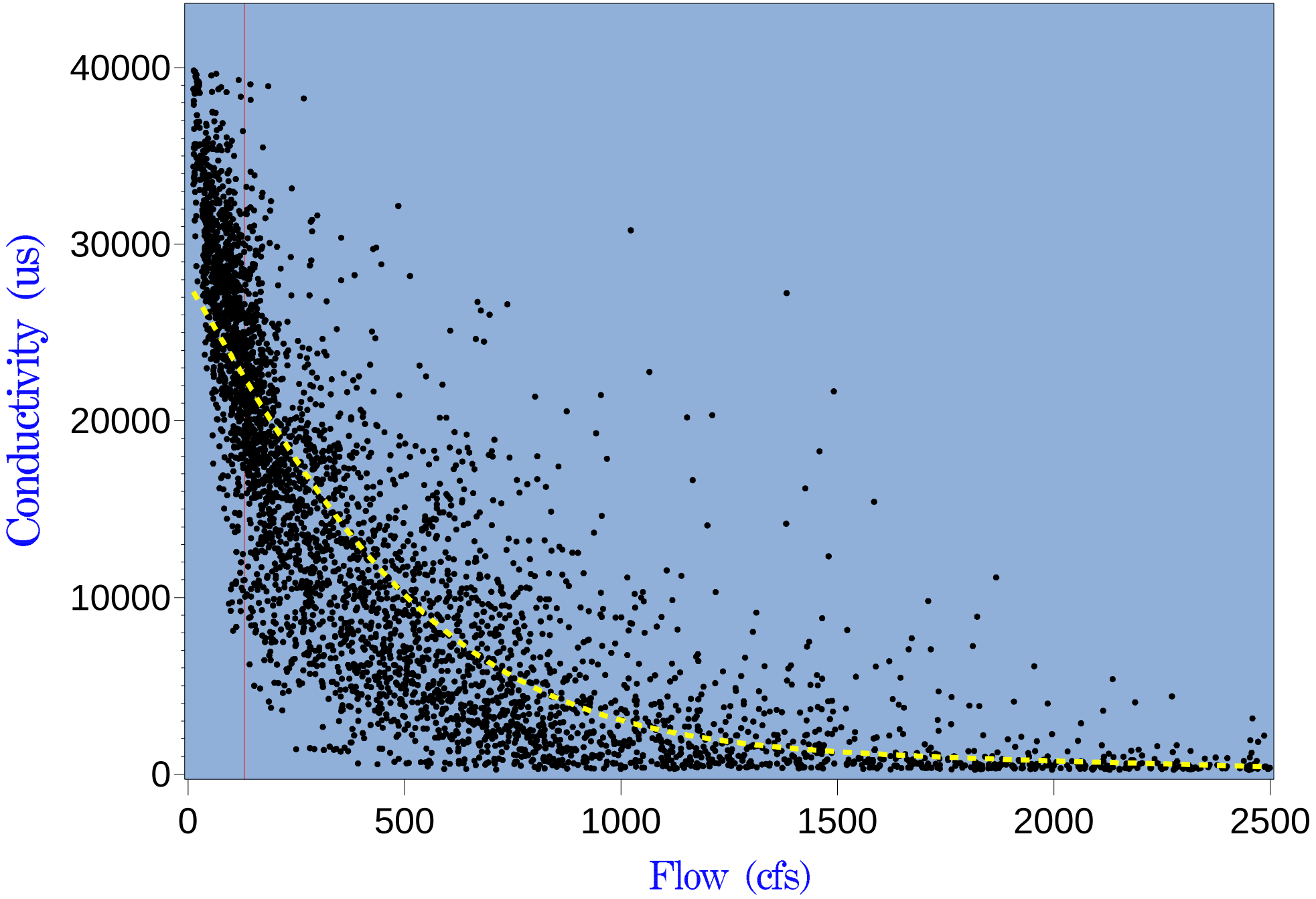


Figure 5.2 Recorder surface conductivity at river kilometer 15.5 versus combined upstream gaged flow

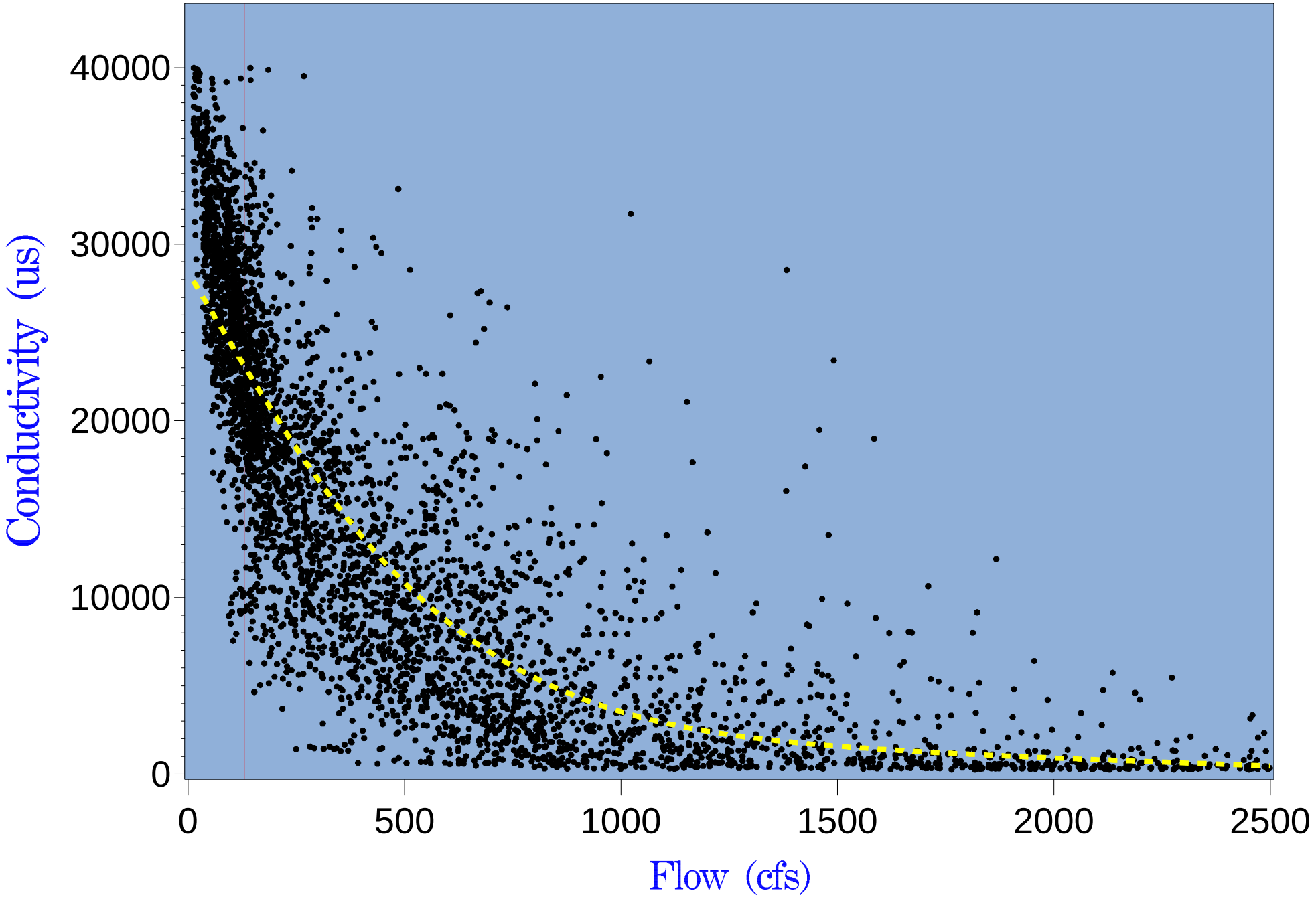


Figure 5.3 Recorder bottom conductivity at river kilometer 15.5 versus combined upstream gaged flow

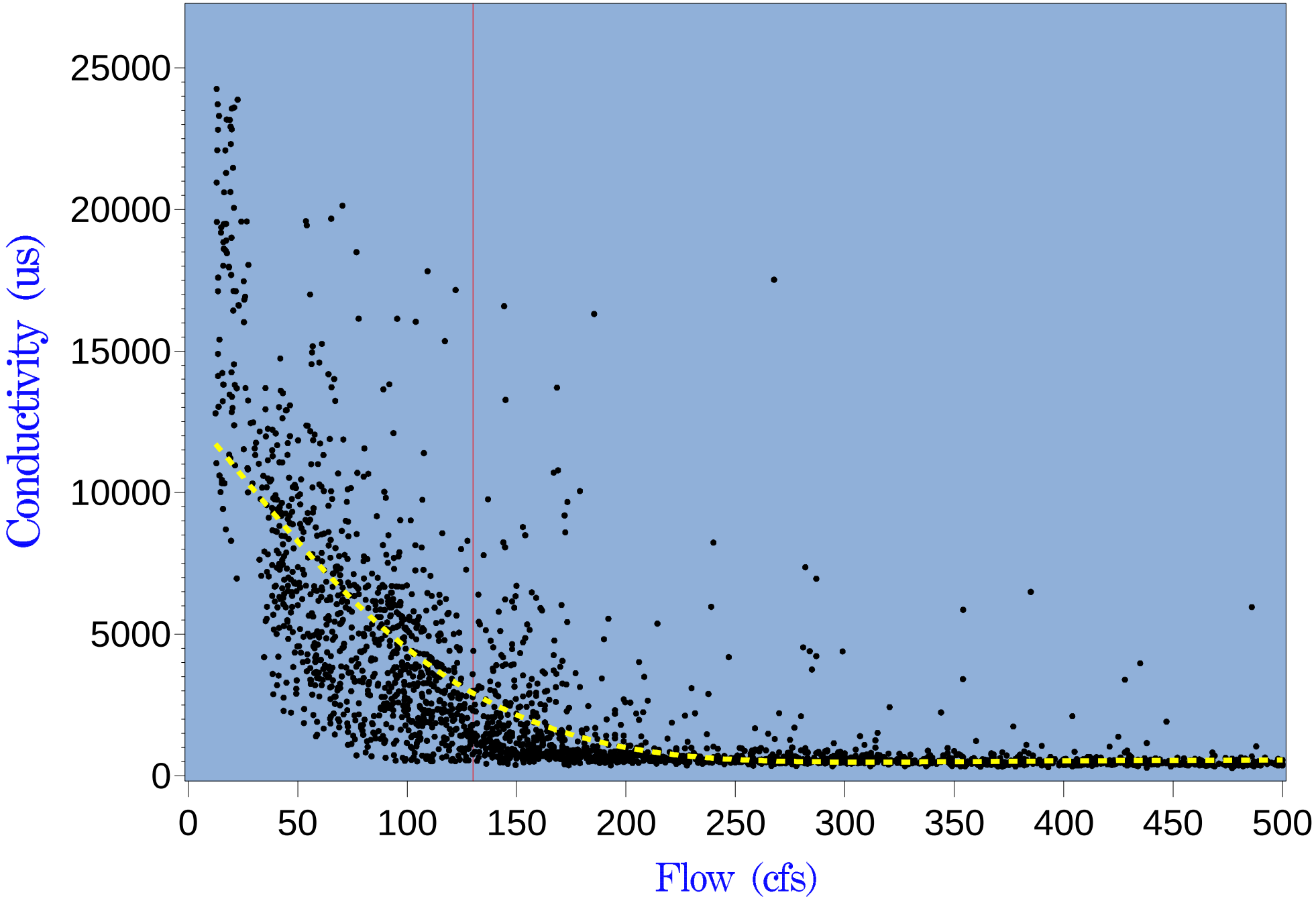


Figure 5.4 Recorder surface conductivity at river kilometer 26.7 versus combined upstream gaged flow

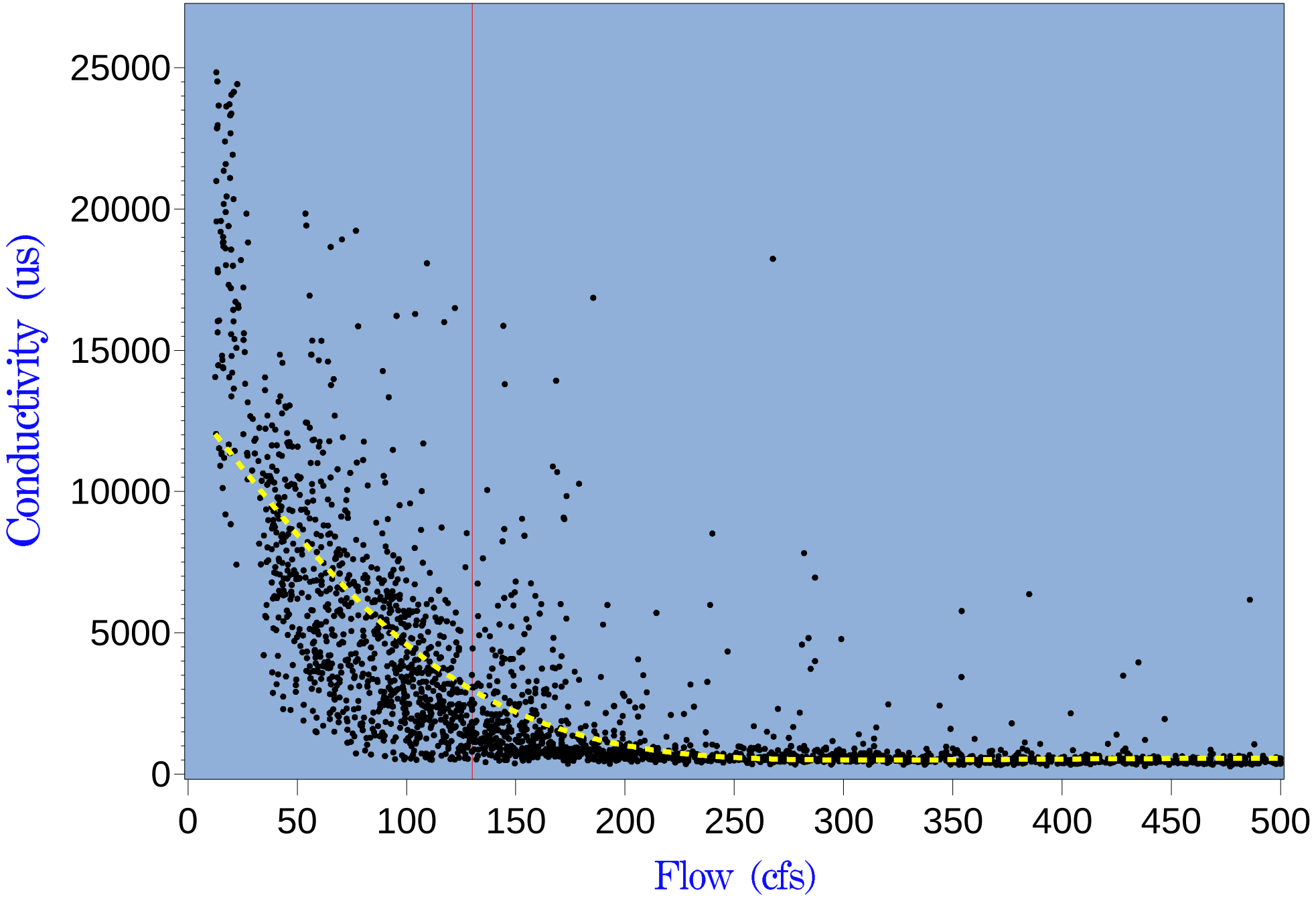


Figure 5.5 Recorder bottom conductivity at river kilometer 26.7 versus combined upstream gaged flow

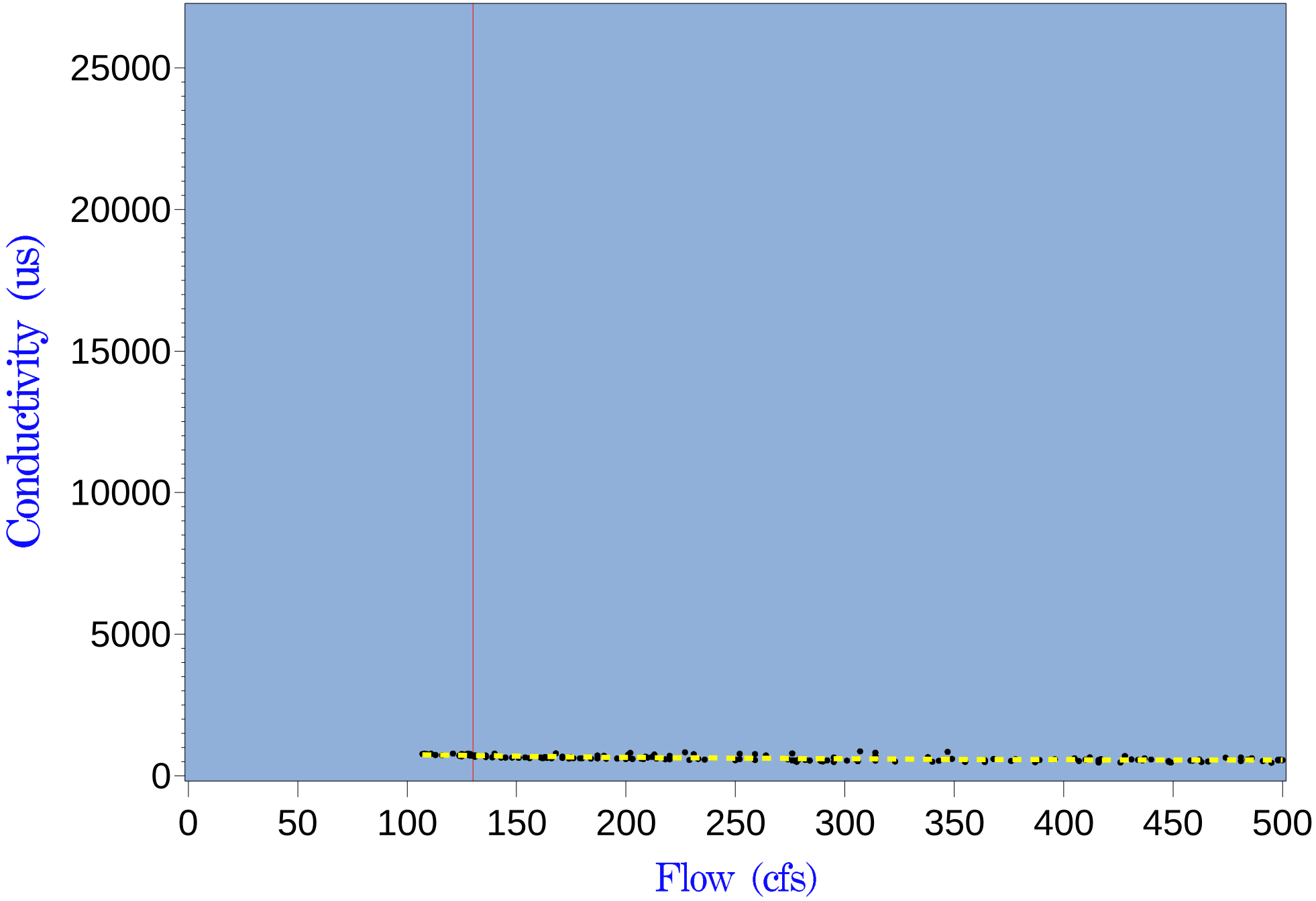


Figure 5.6 Recorder surface conductivity at river kilometer 29.8 versus combined upstream gaged flow

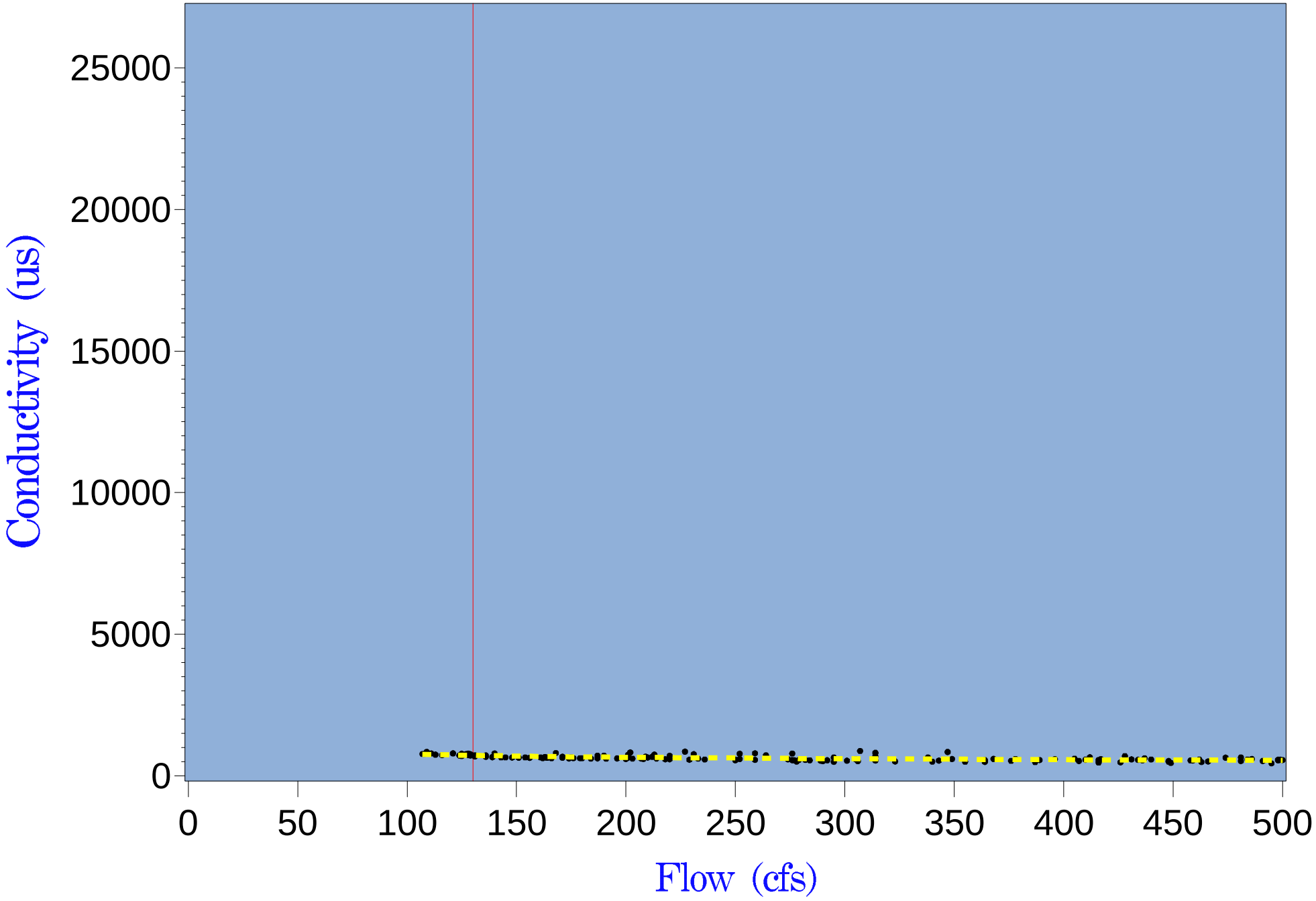
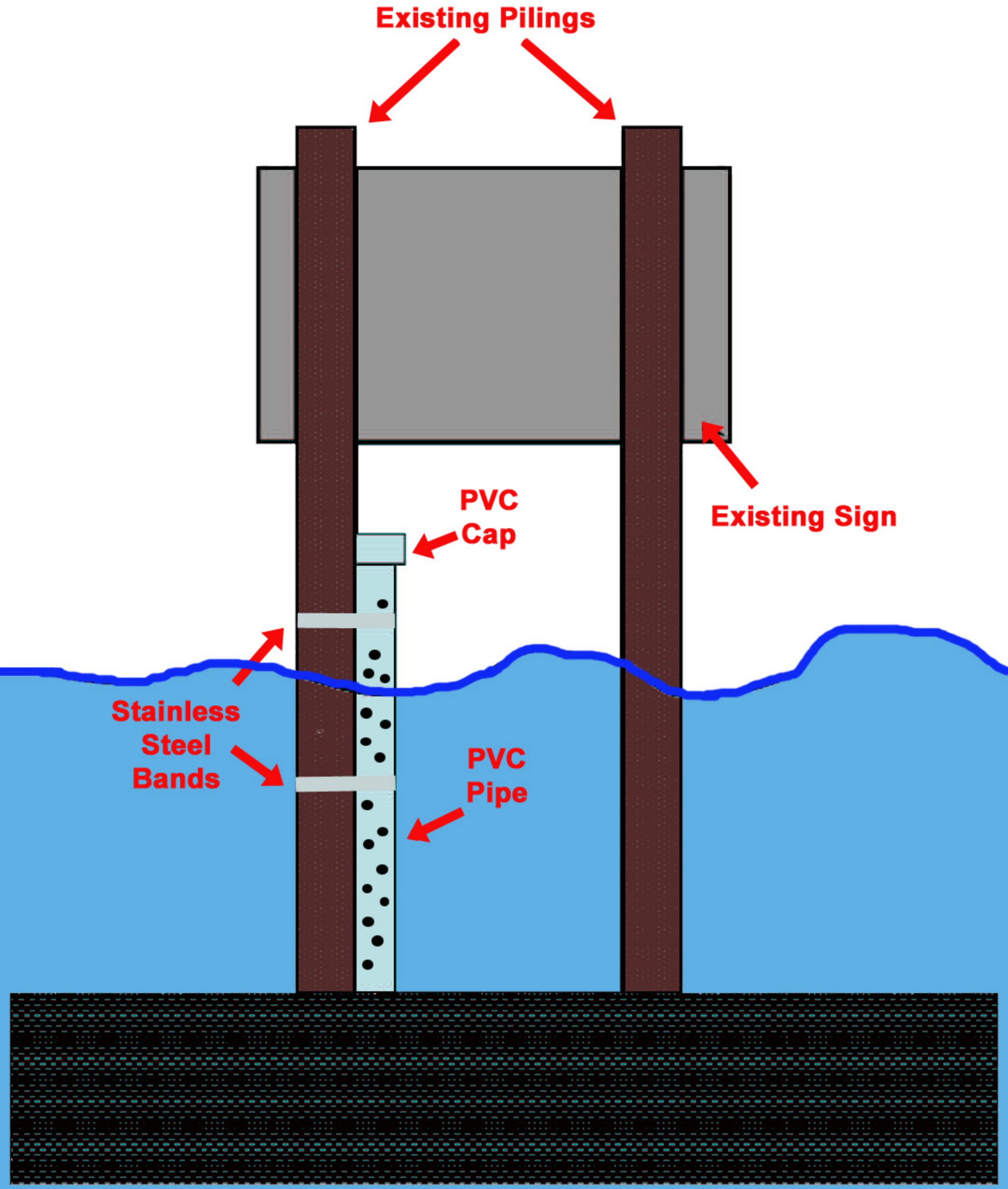


Figure 5.7 Recorder bottom conductivity at river kilometer 29.8 versus combined upstream gaged flow

Figure 5.8
Diagram of Attachement to Existing Manatee Speed Zone Sign



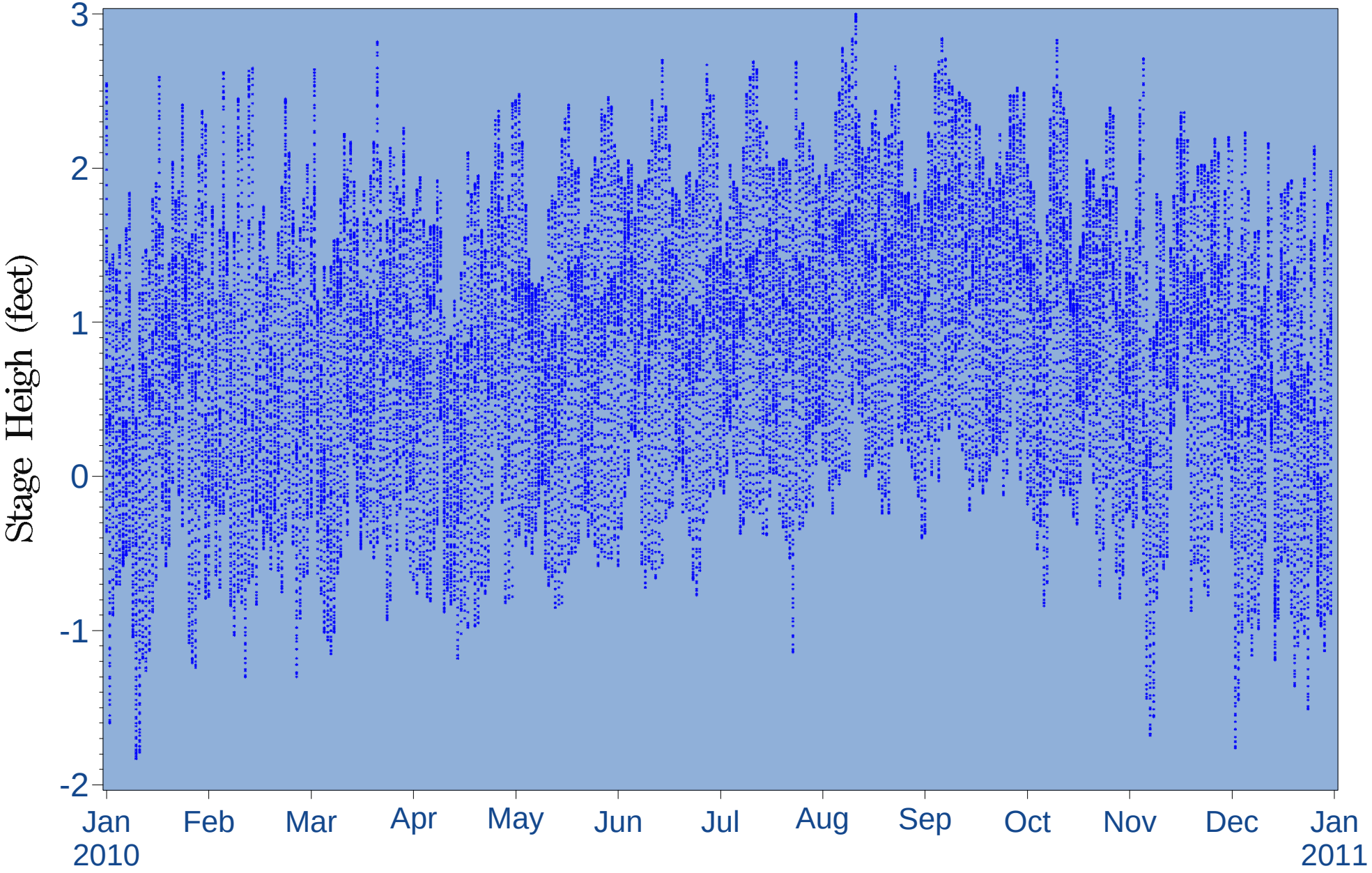


Figure 5.9 2010 Stage height (15-min intervals) for Peace River fixed station at Harbour Heights - USGS Gage 02297460 (River Kilometer=15.5)

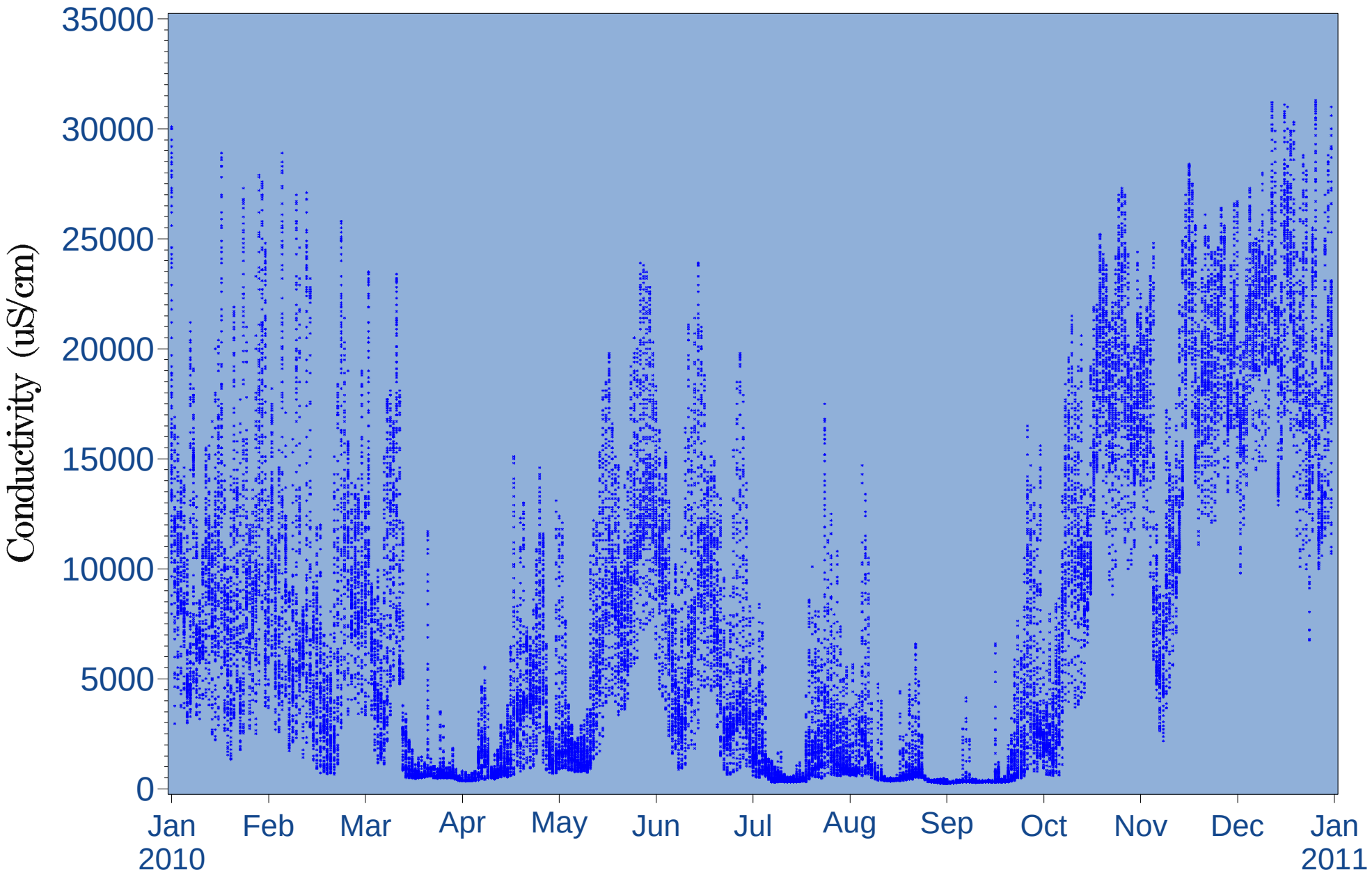


Figure 5.10 2010 Surface conductivity (15-min intervals) for Peace River fixed station at Harbour Heights - USGS Gage 02297460 (River Kilometer=15.5)

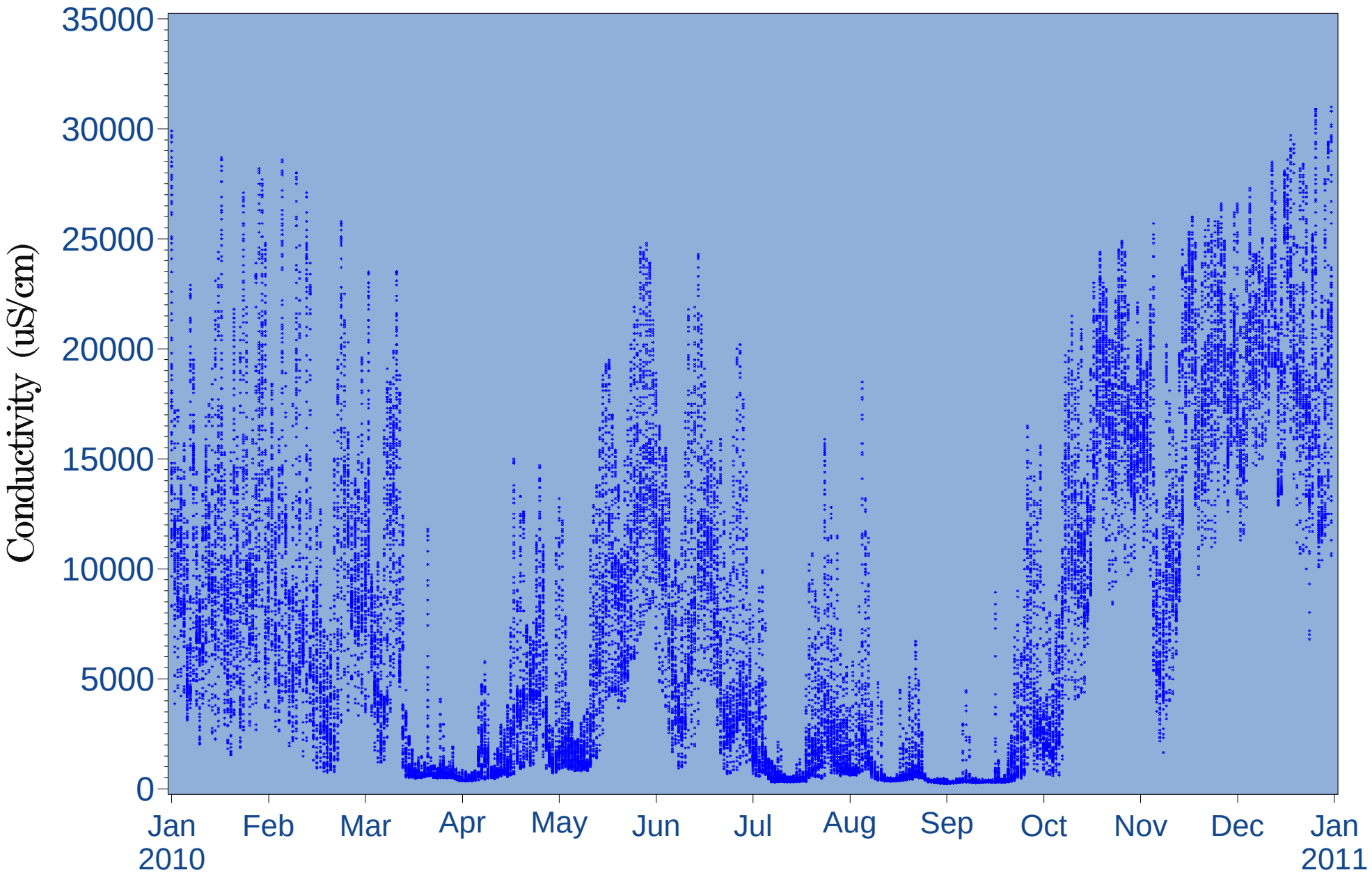


Figure 5.11 2010 Bottom conductivity (15-min intervals) for Peace River fixed station at Harbour Heights - USGS Gage 02297460 (River Kilometer=15.5)

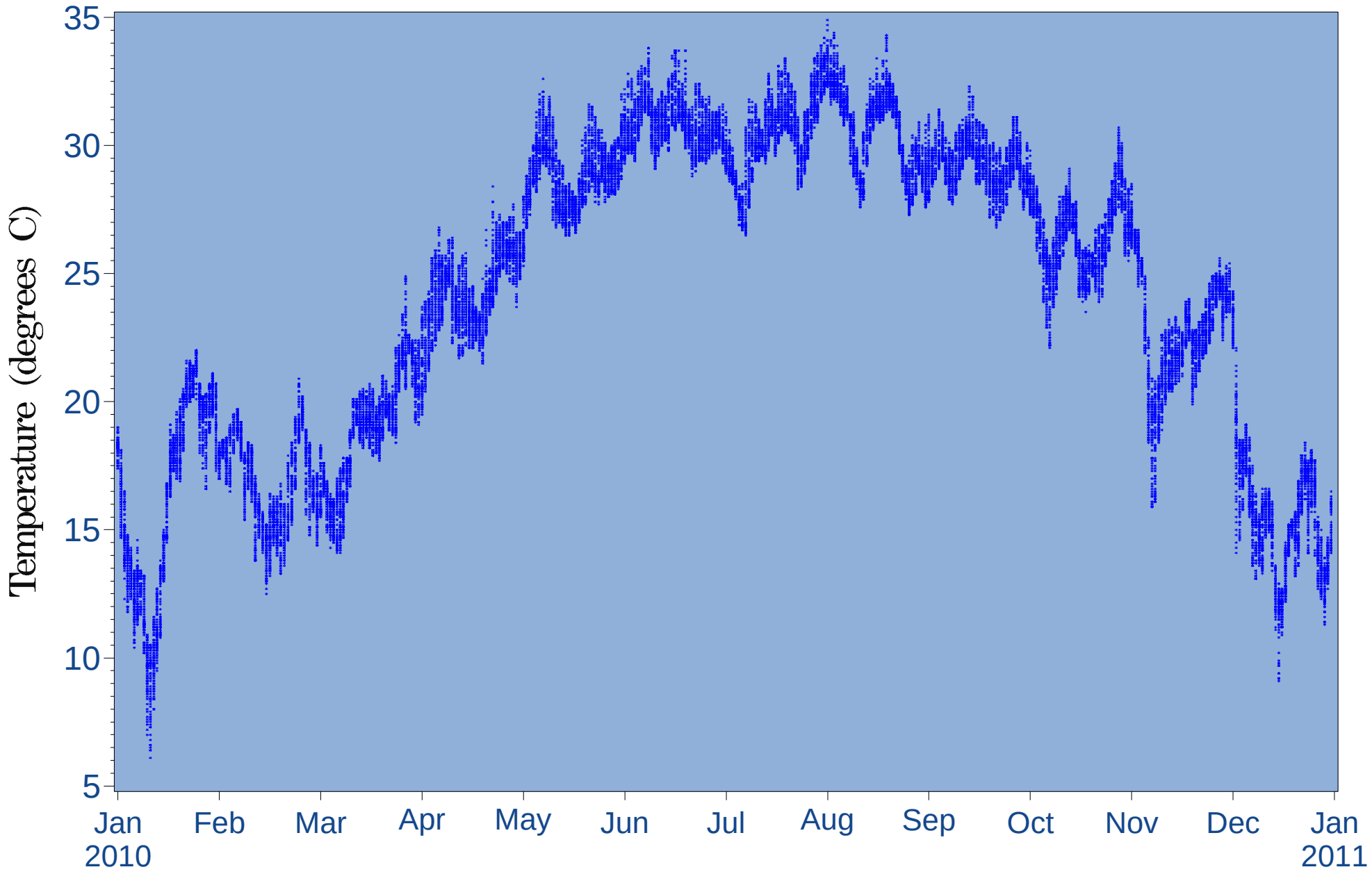


Figure 5.12 2010 Surface temperature (15-min intervals) for Peace River fixed station at Harbour Heights - USGS Gage 02297460 (River Kilometer=15.5)

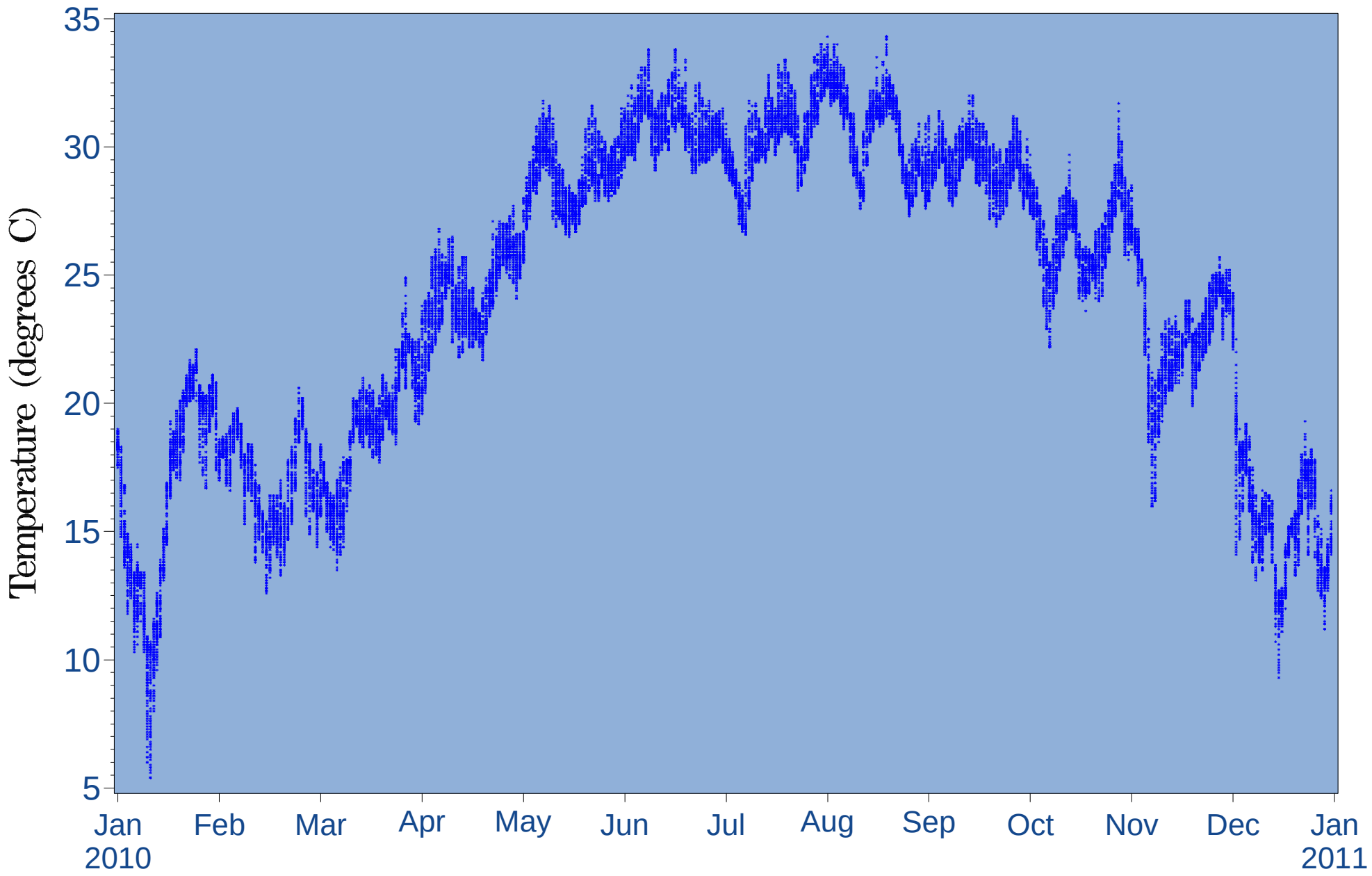


Figure 5.13 2010 Bottom temperature (15-min intervals) for Peace River fixed station at Harbour Heights - USGS Gage 02297460 (River Kilometer=15.5)

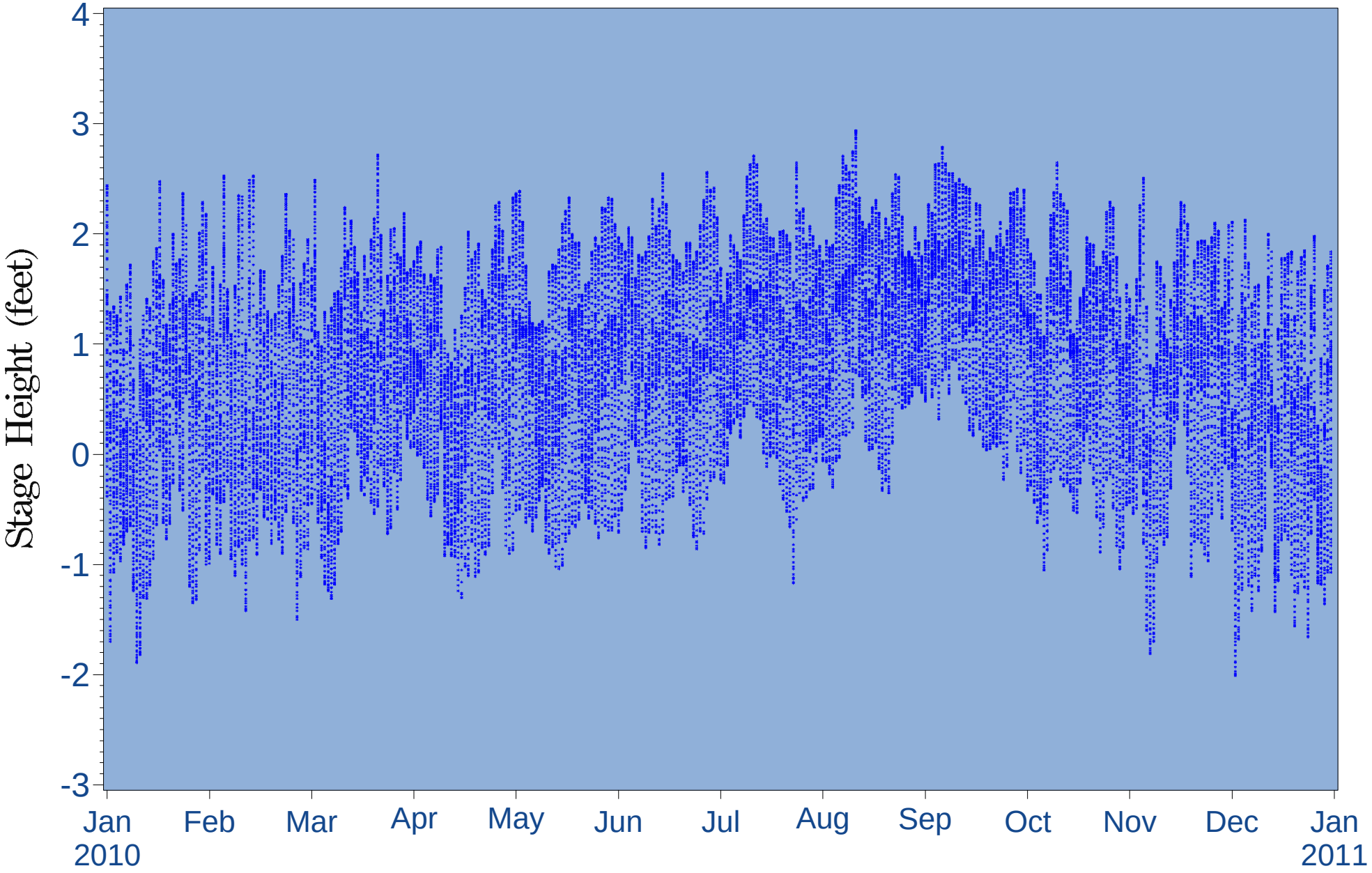


Figure 5.14 2010 Stage height (15-min intervals) for Peace River fixed station at Peace River Heights - USGS gage 02297350 (River Kilometer=26.7)

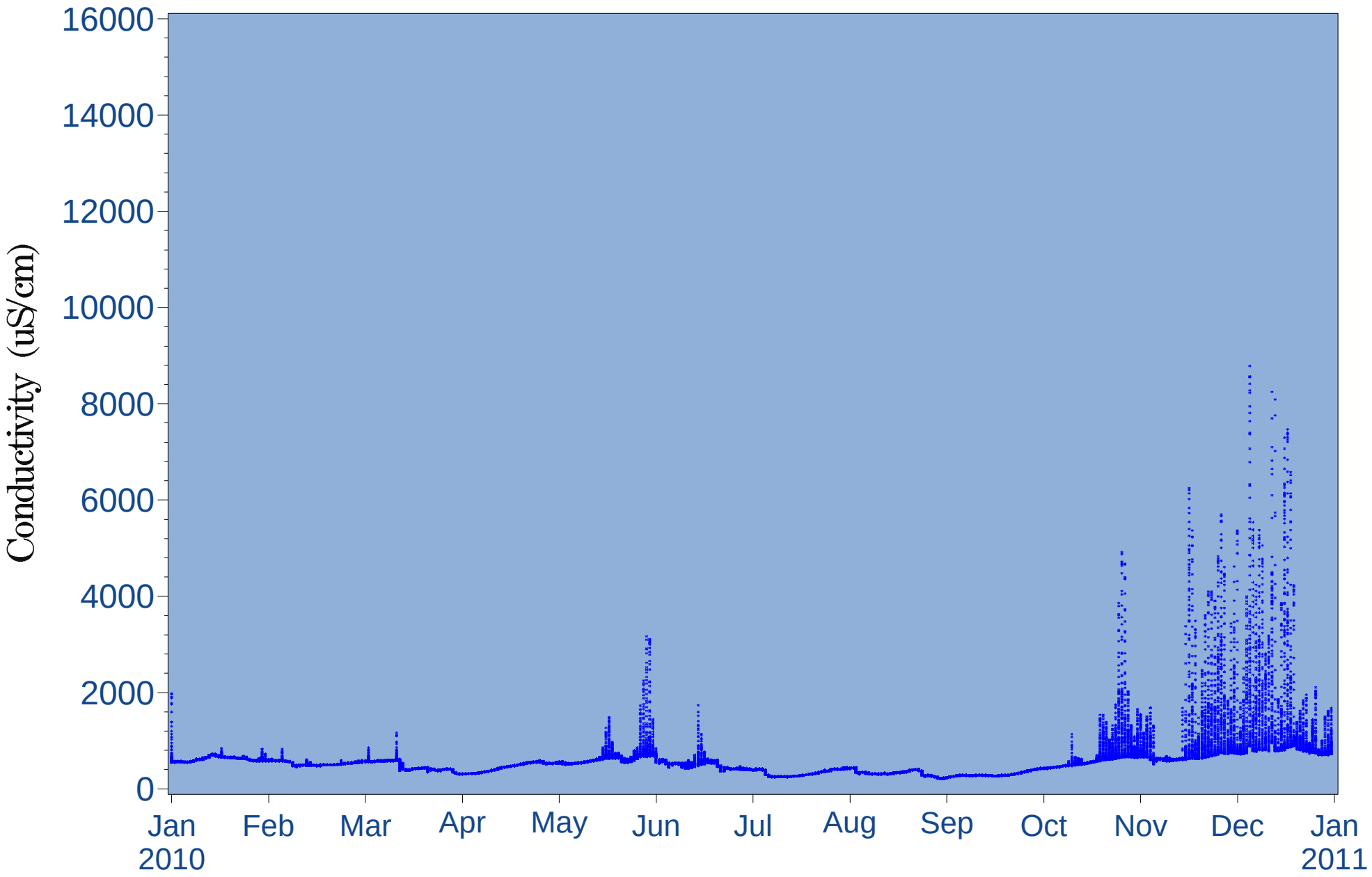


Figure 5.15 2010 Surface conductivity (15-min intervals) for Peace River fixed station at Peace River Heights - USGS gage 02297350 (River Kilometer=26.7)

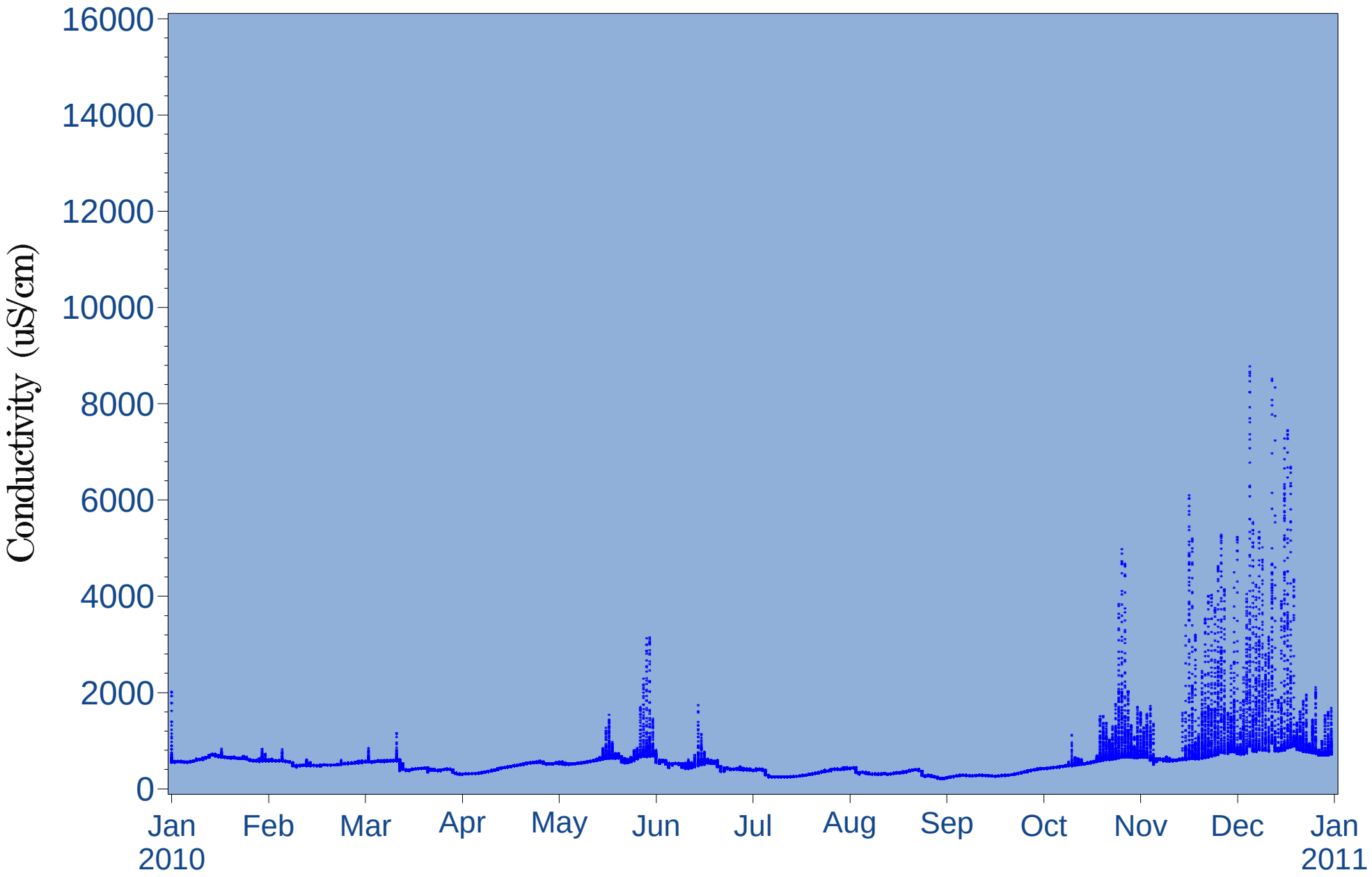


Figure 5.16 2010 Bottom conductivity (15-min intervals) for Peace River fixed station at Peace River Heights - USGS gage 02297350 (River Kilometer=26.7)

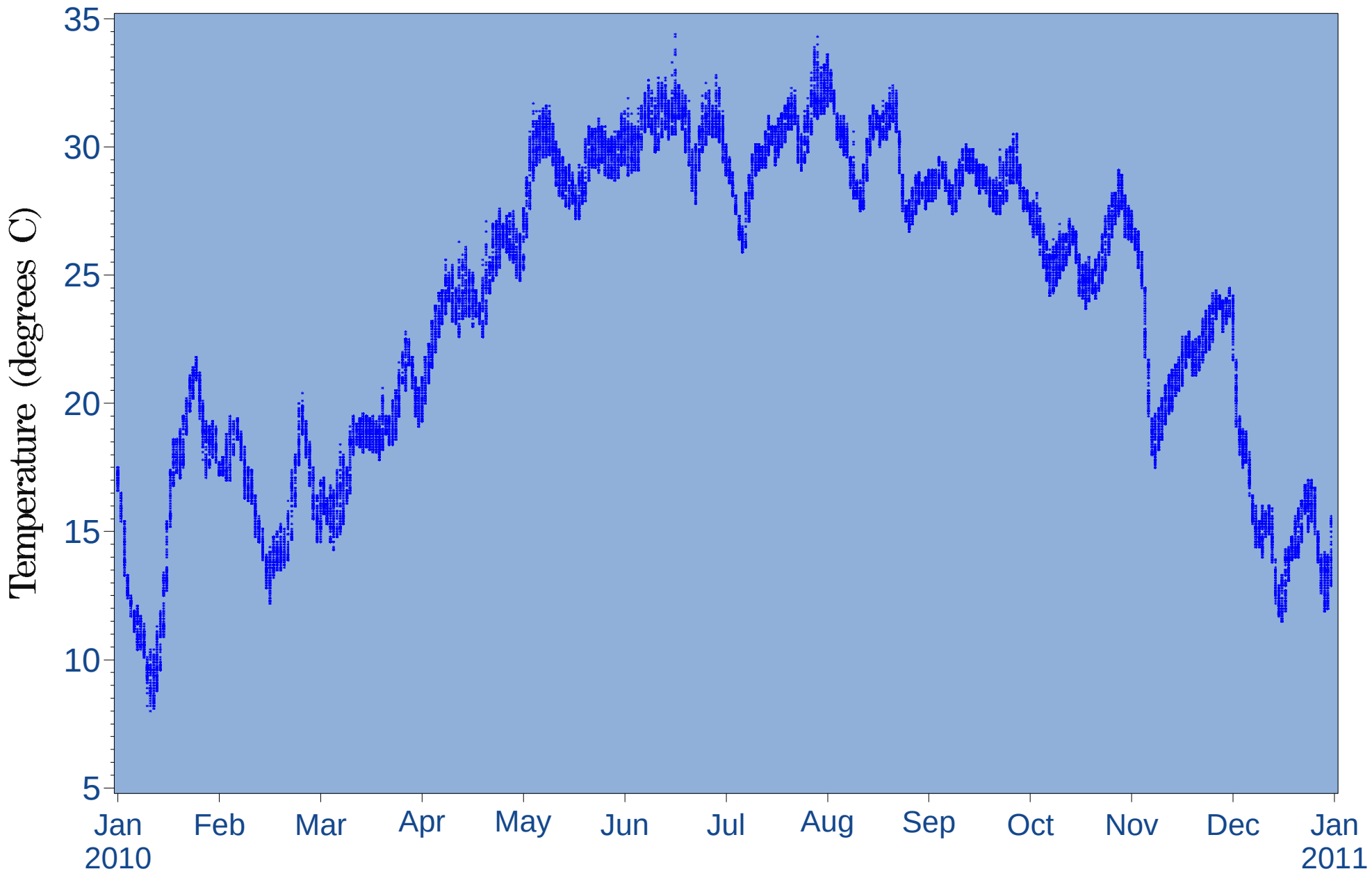


Figure 5.17 2010 Surface temperature (15-min intervals) for Peace River fixed station at Peace River Heights - USGS gage 02297350 (River Kilometer=26.7)

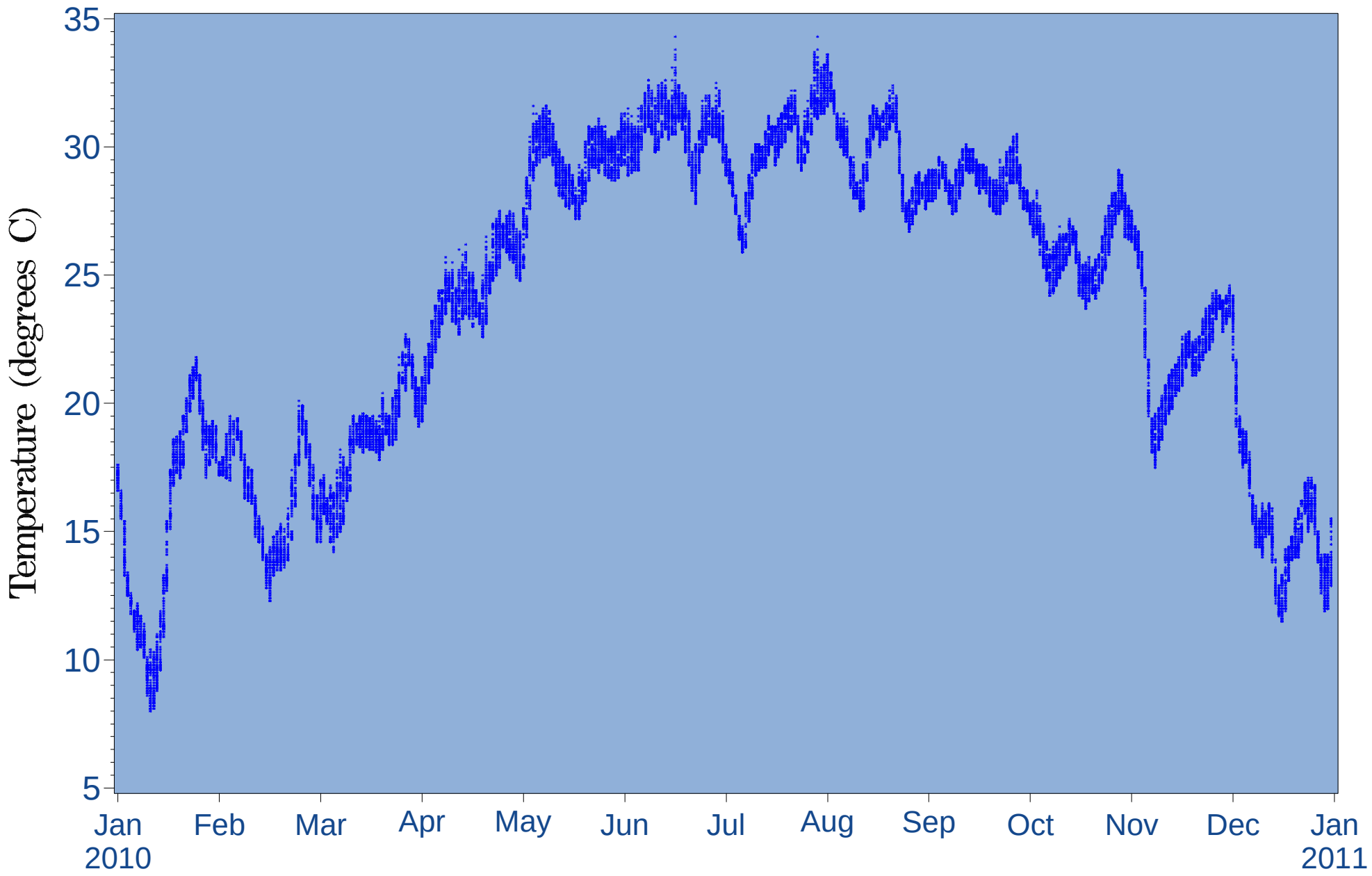


Figure 5.18 2010 Bottom temperature (15-min intervals) for Peace River fixed station at Peace River Heights - USGS gage 02297350 (River Kilometer=26.7)

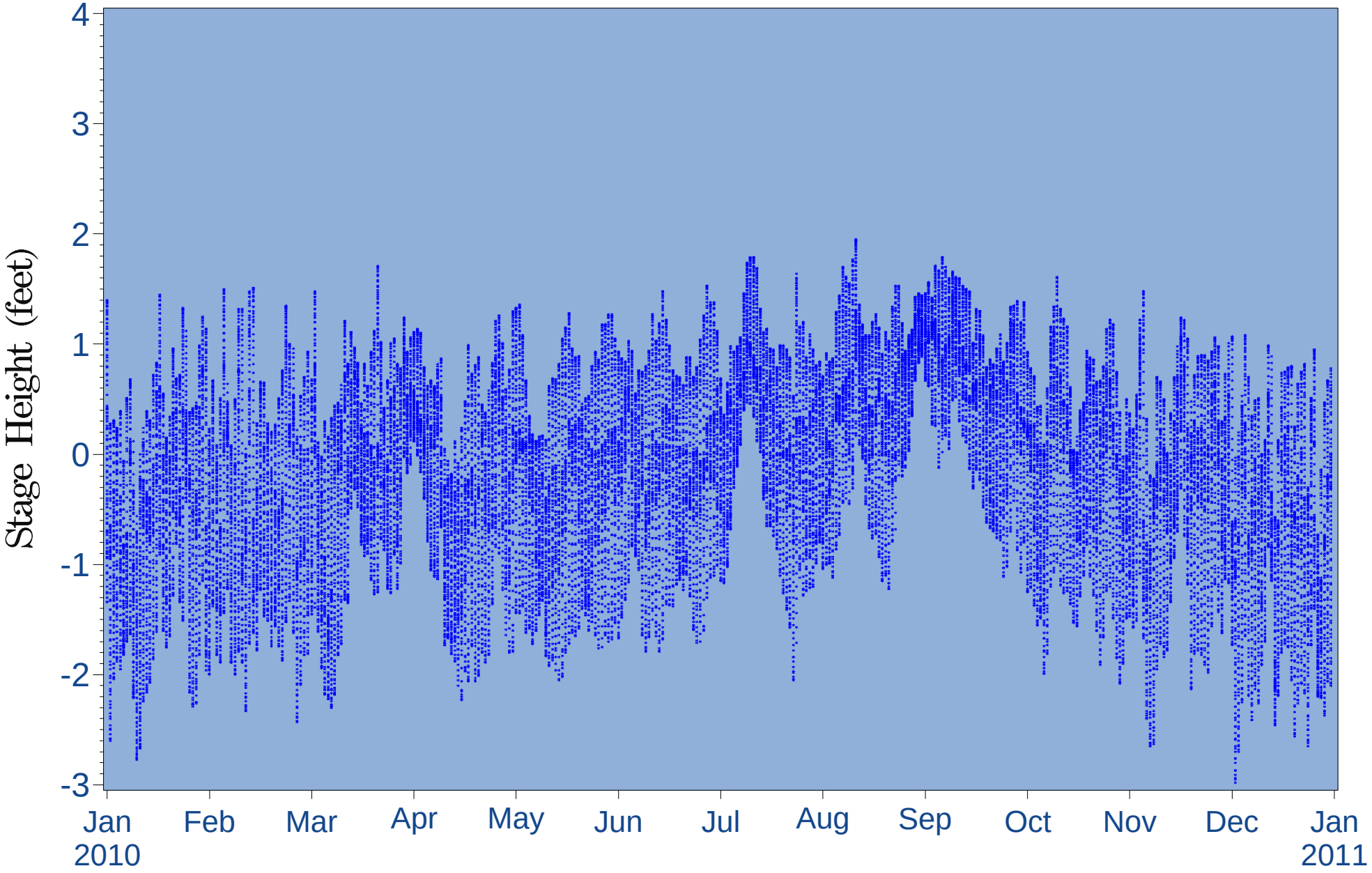


Figure 5.19 2010 Stage height (15-min intervals) for Peace River fixed station at Peace River at Platt (Facility) - USGS gage 02297345 (River Kilometer=29.8)

Figure 5.20 2010 Surface conductivity (15-min intervals) for Peace River fixed station at Peace River at Platt (Facility) - USGS gage 02297345 (River Kilometer=29.8)

Figure 5.21 2010 Bottom conductivity (15-min intervals) for Peace River fixed station at Peace River at Platt (Facility) - USGS gage 02297345 (River Kilometer=29.8)

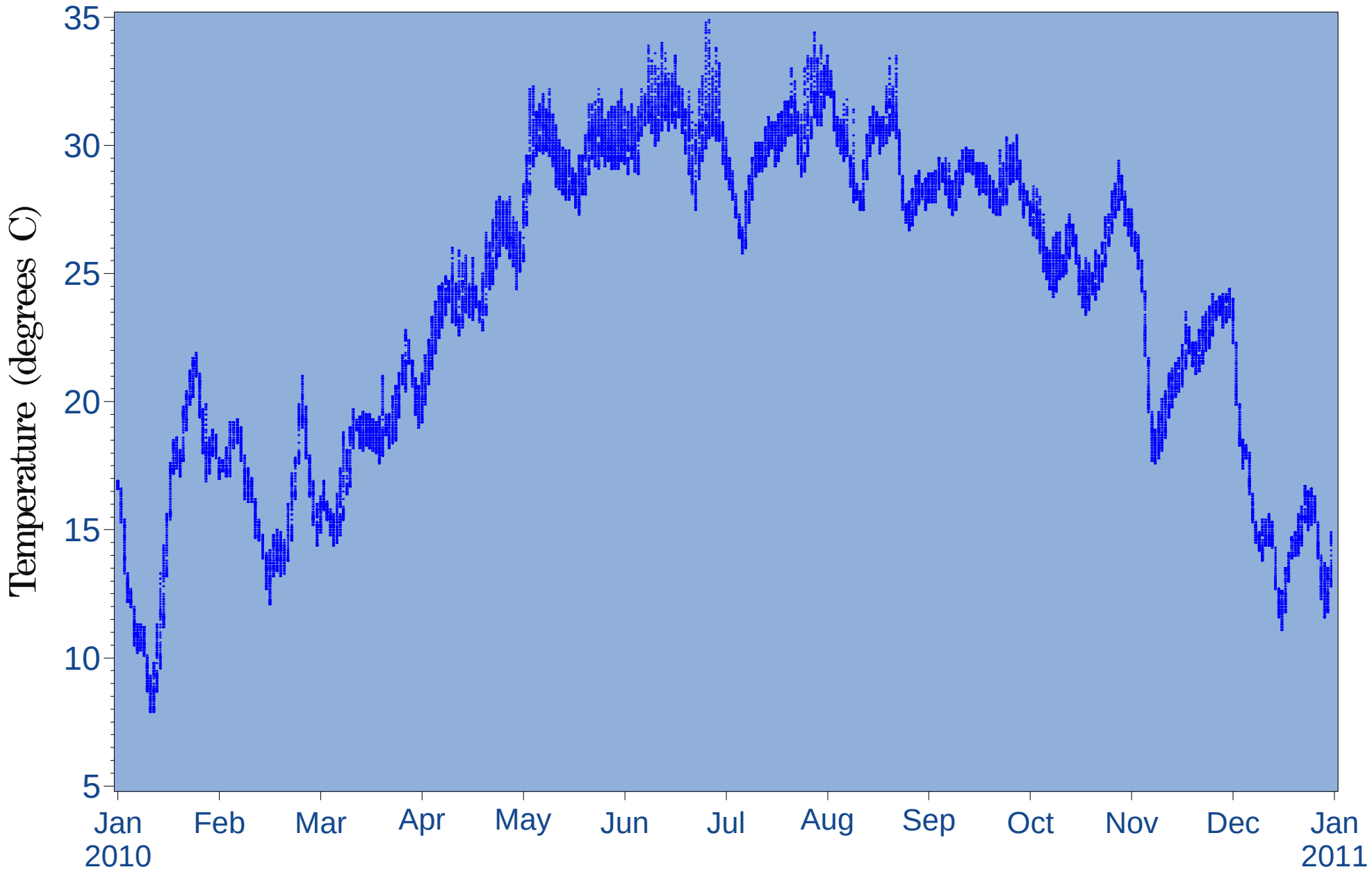


Figure 5.22 2010 Surface temperature (15-min intervals) for Peace River fixed station at Peace River at Platt (Facility) - USGS gage 02297345 (River Kilometer=29.8)

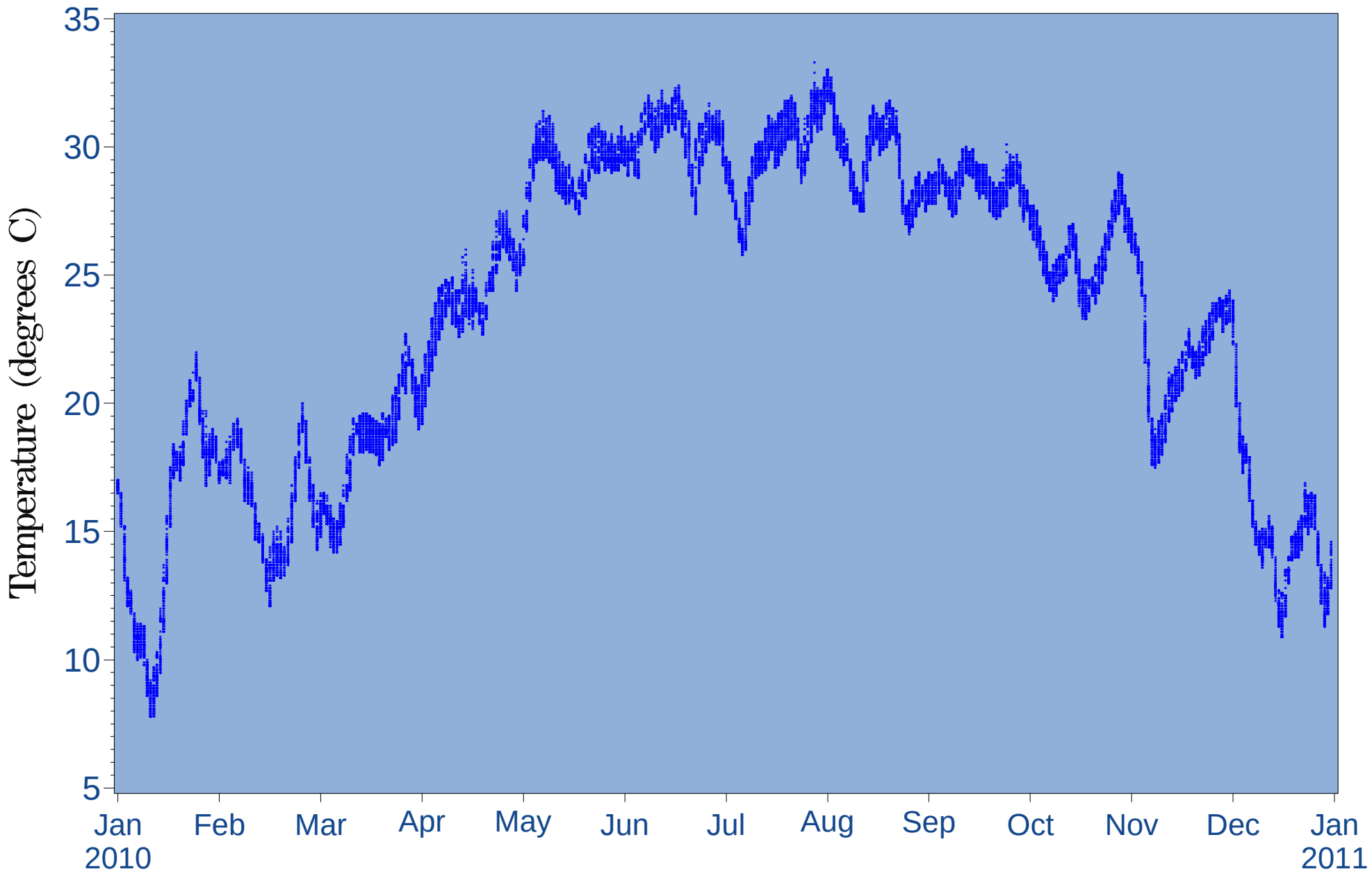


Figure 5.23 2010 Bottom temperature (15-min intervals) for Peace River fixed station at Peace River at Platt (Facility) - USGS gage 02297345 (River Kilometer=29.8)

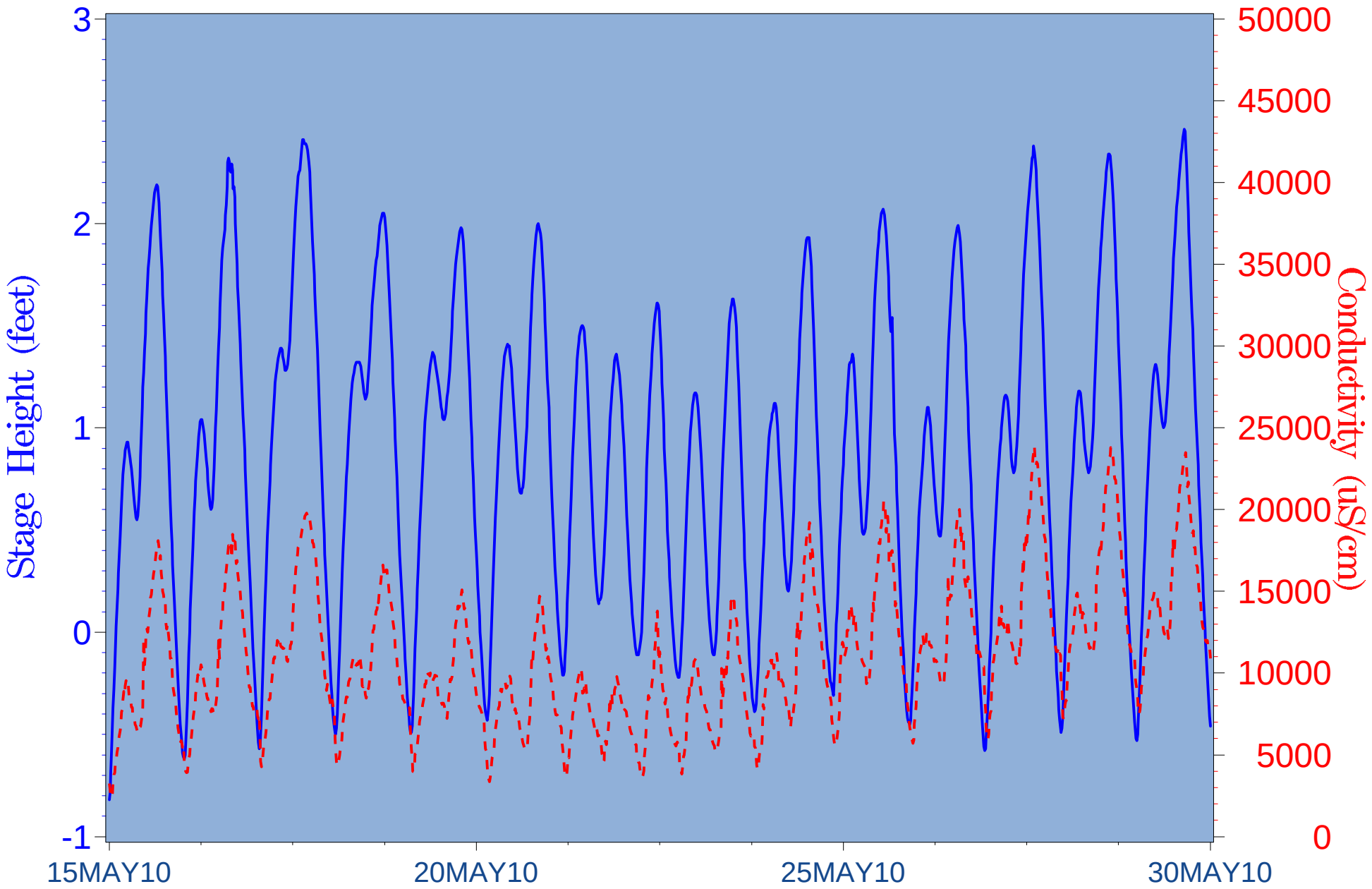


Figure 5.24 Surface conductivity and stage height in May at Harbour Heights - USGS Gage 02297460 (River Kilometer 15.5)

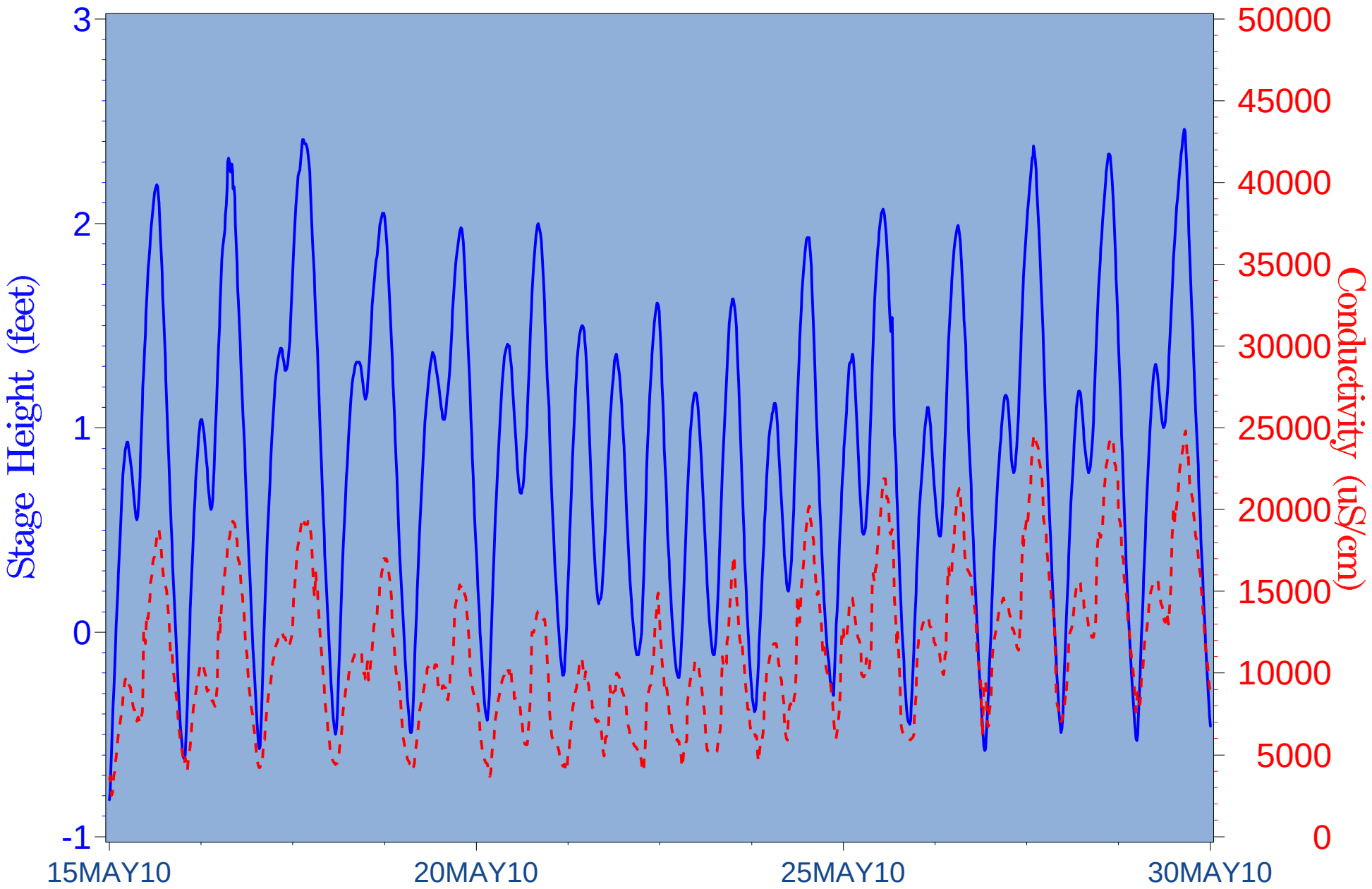


Figure 5.25 Bottom conductivity and stage height in May at Harbour Heights - USGS Gage 02297460 (River Kilometer 15.5)

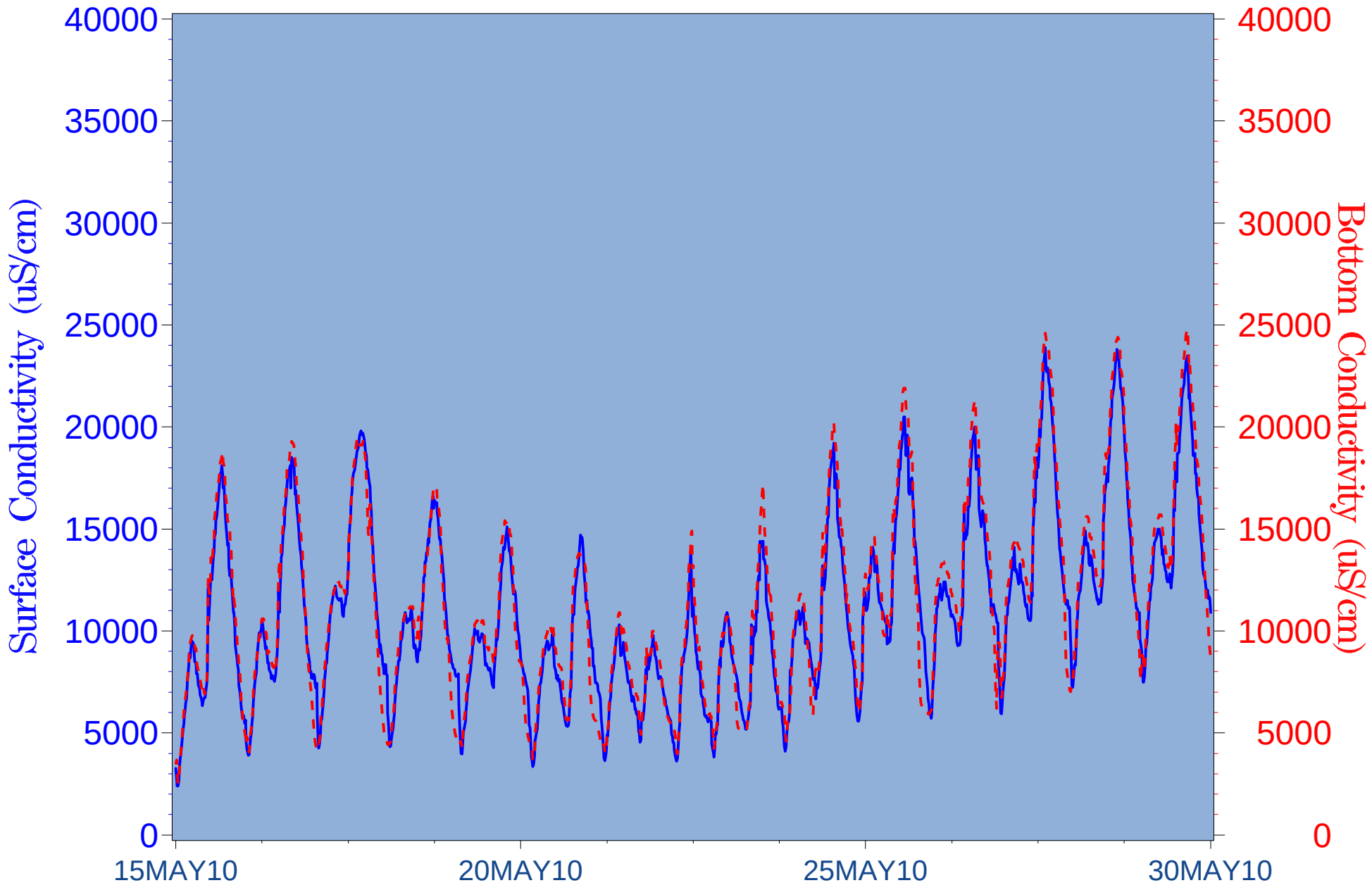


Figure 5.26 Surface & bottom conductivity in May at Harbour Heights - USGS Gage 02297460 (River Kilometer 15.5)

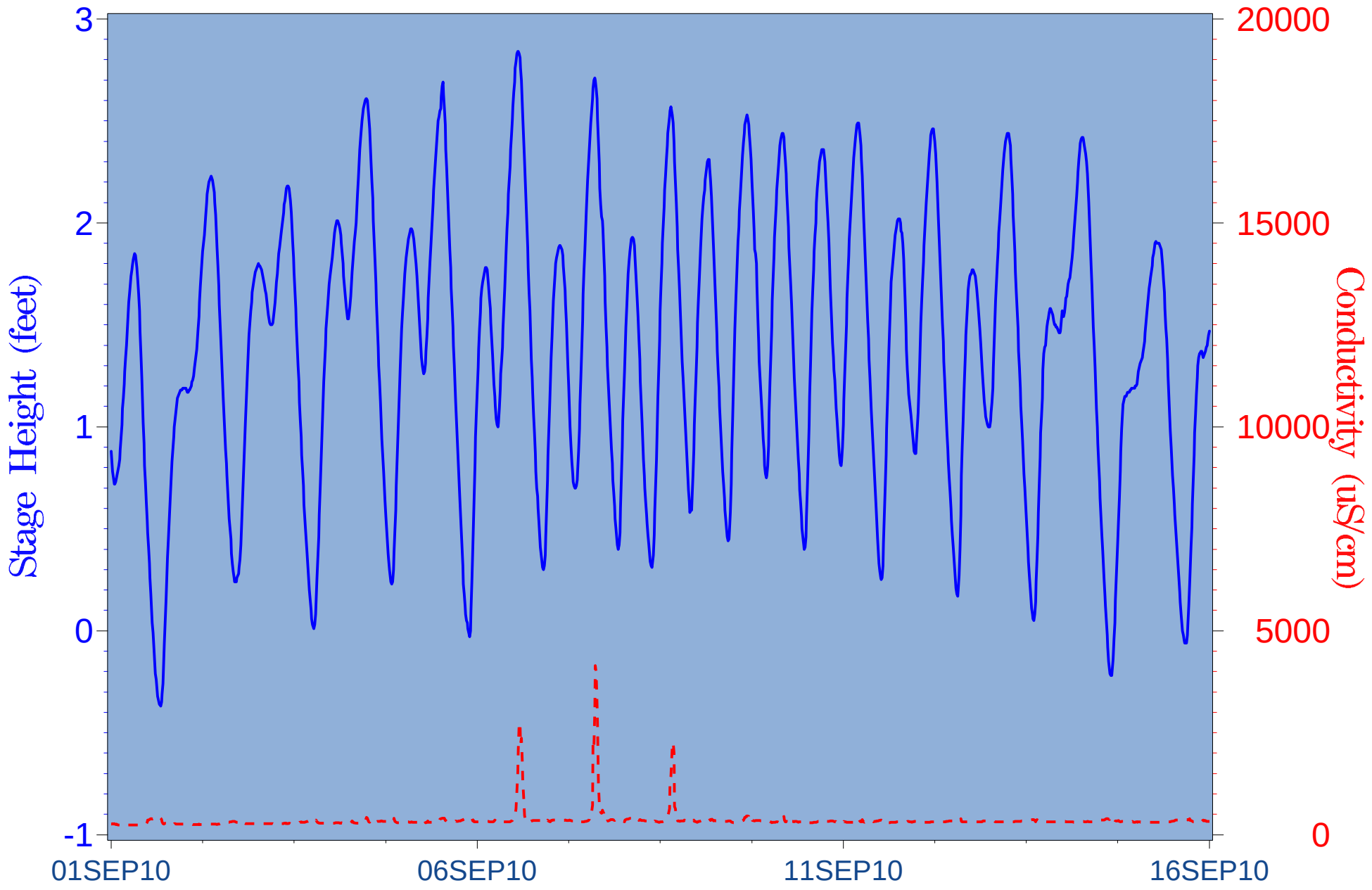


Figure 5.27 Surface conductivity and stage height in September at Harbour Heights - USGS Gage 02297460 (River Kilometer 15.5)

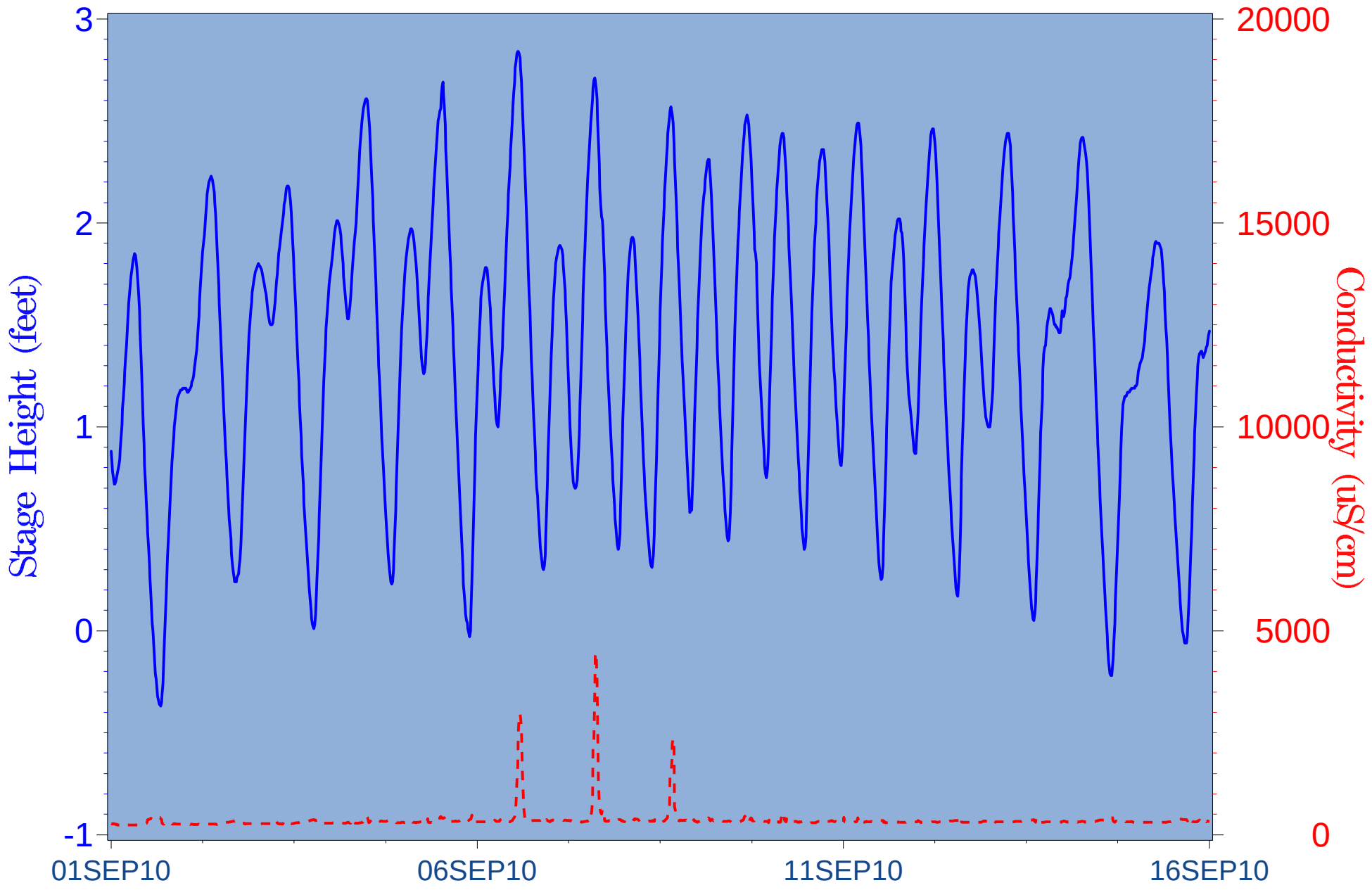


Figure 5.28 Bottom conductivity and stage height in September at Harbour Heights - USGS Gage 02297460 (River Kilometer 15.5)

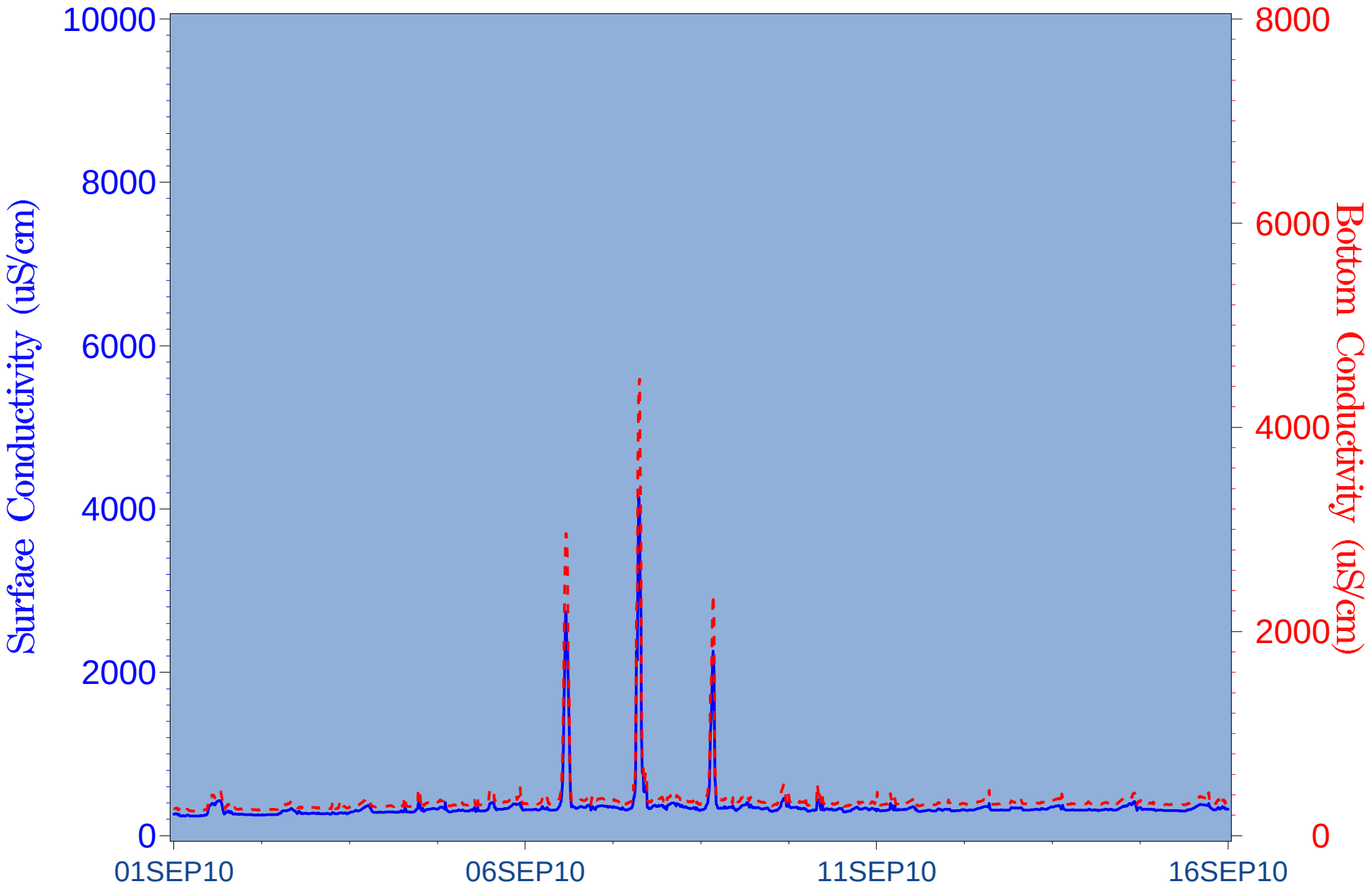


Figure 5.29 Surface and bottom conductivity in September at Harbour Heights - USGS Gage 02297460 (River Kilometer 15.5)

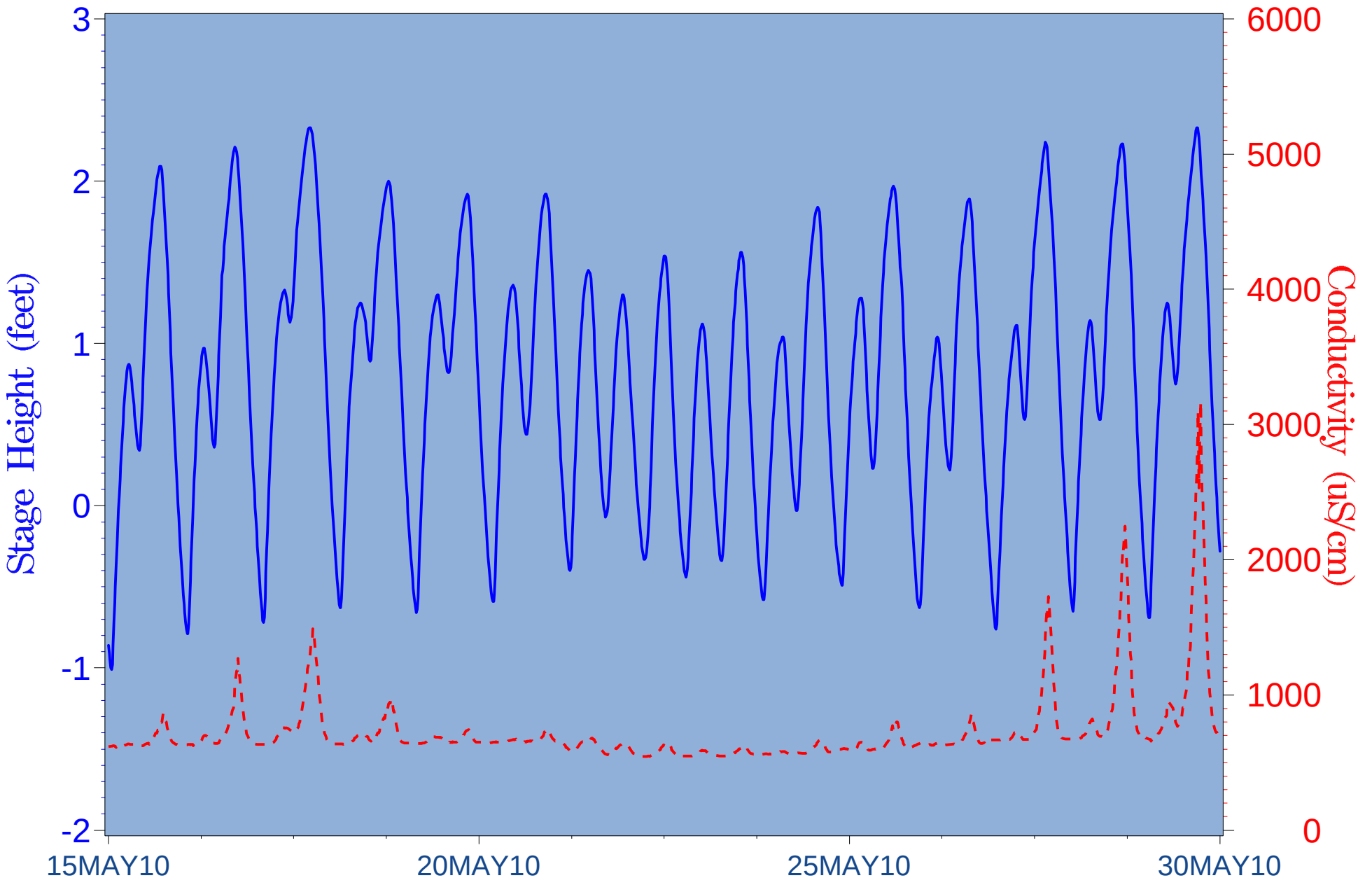


Figure 5.30 Surface conductivity and stage height in May - USGS Gage 02297350 (River Kilometer 26.7)

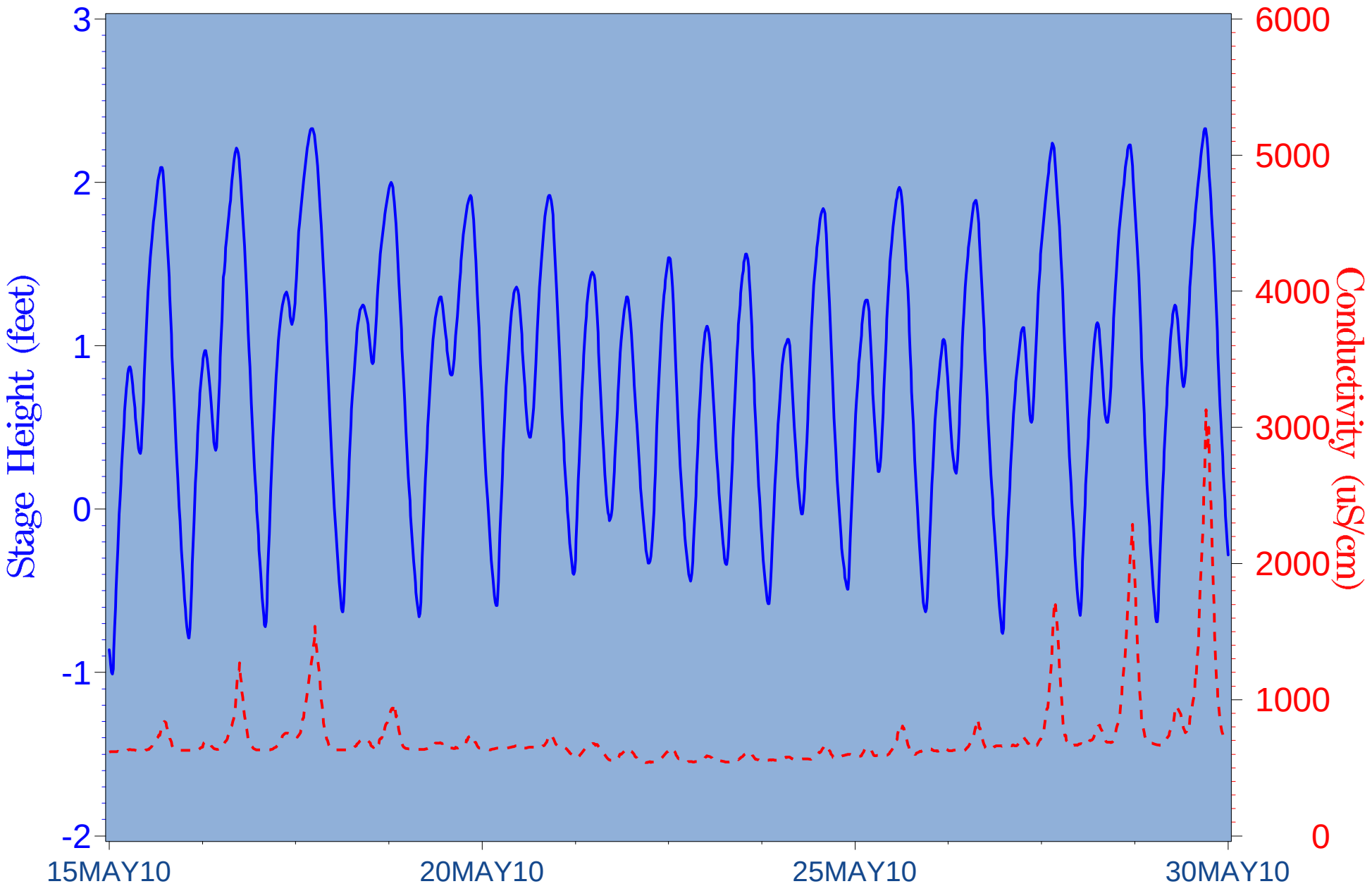


Figure 5.31 Bottom conductivity and stage height in May - USGS Gage 02297350 (River Kilometer 26.7)

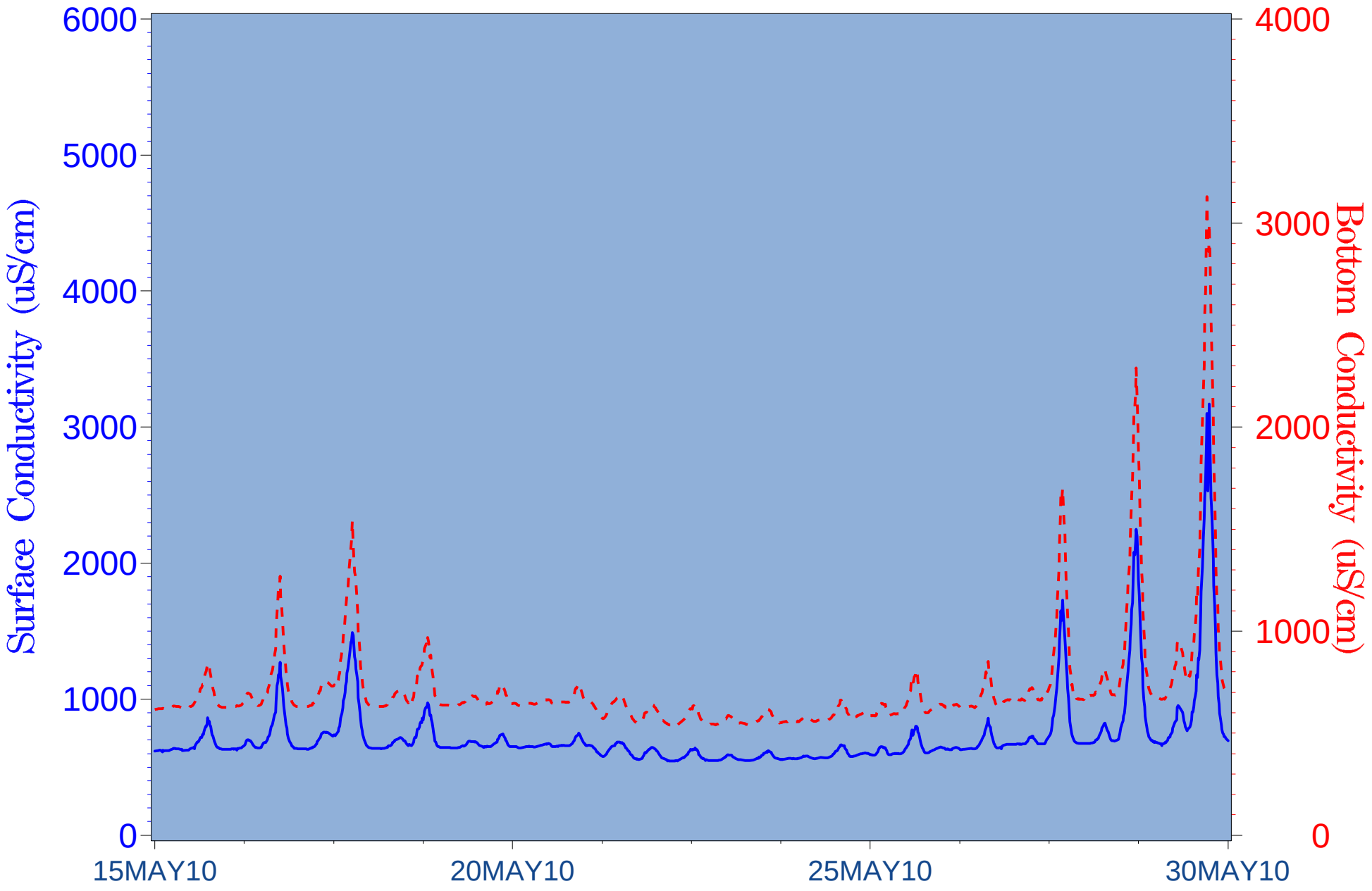


Figure 5.32 Surface and bottom conductivity in May - USGS Gage 02297350 (River Kilometer 26.7)

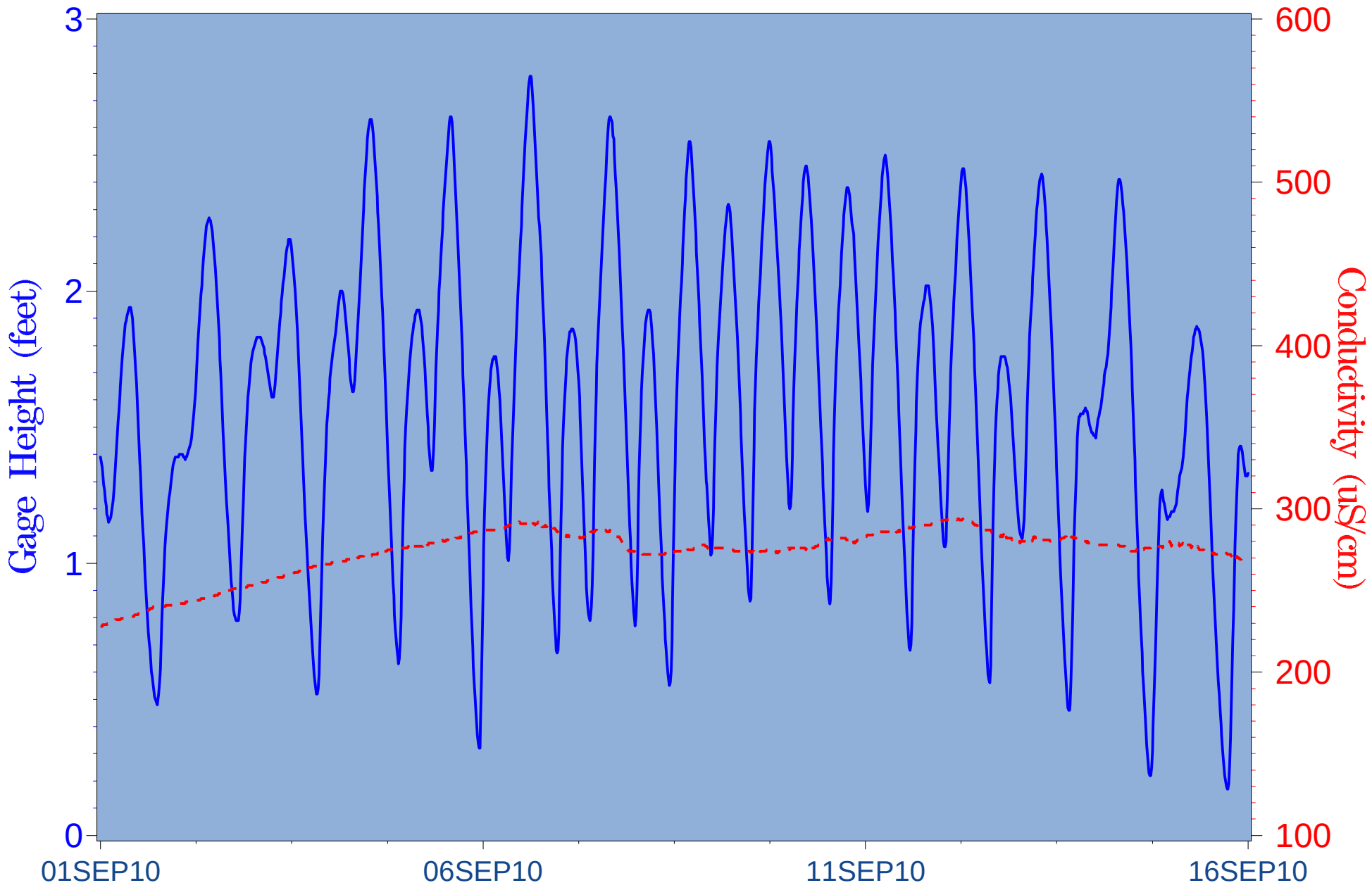


Figure 5.33 Surface conductivity and stage height in September - USGS Gage 02297350 (River Kilometer 26.7)

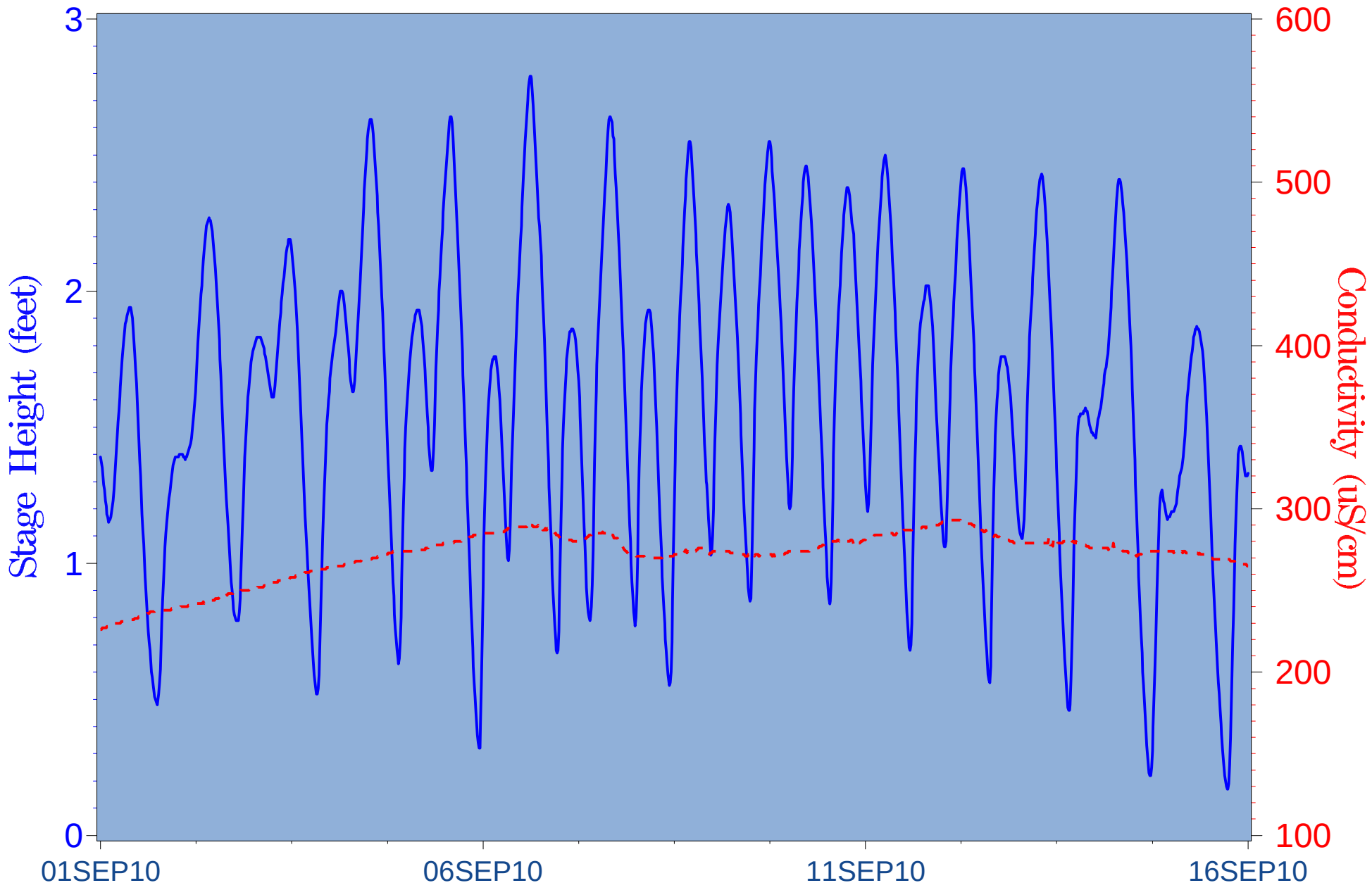


Figure 5.34 Bottom conductivity and stage height in September - USGS Gage 02297350 (River Kilometer 26.7)

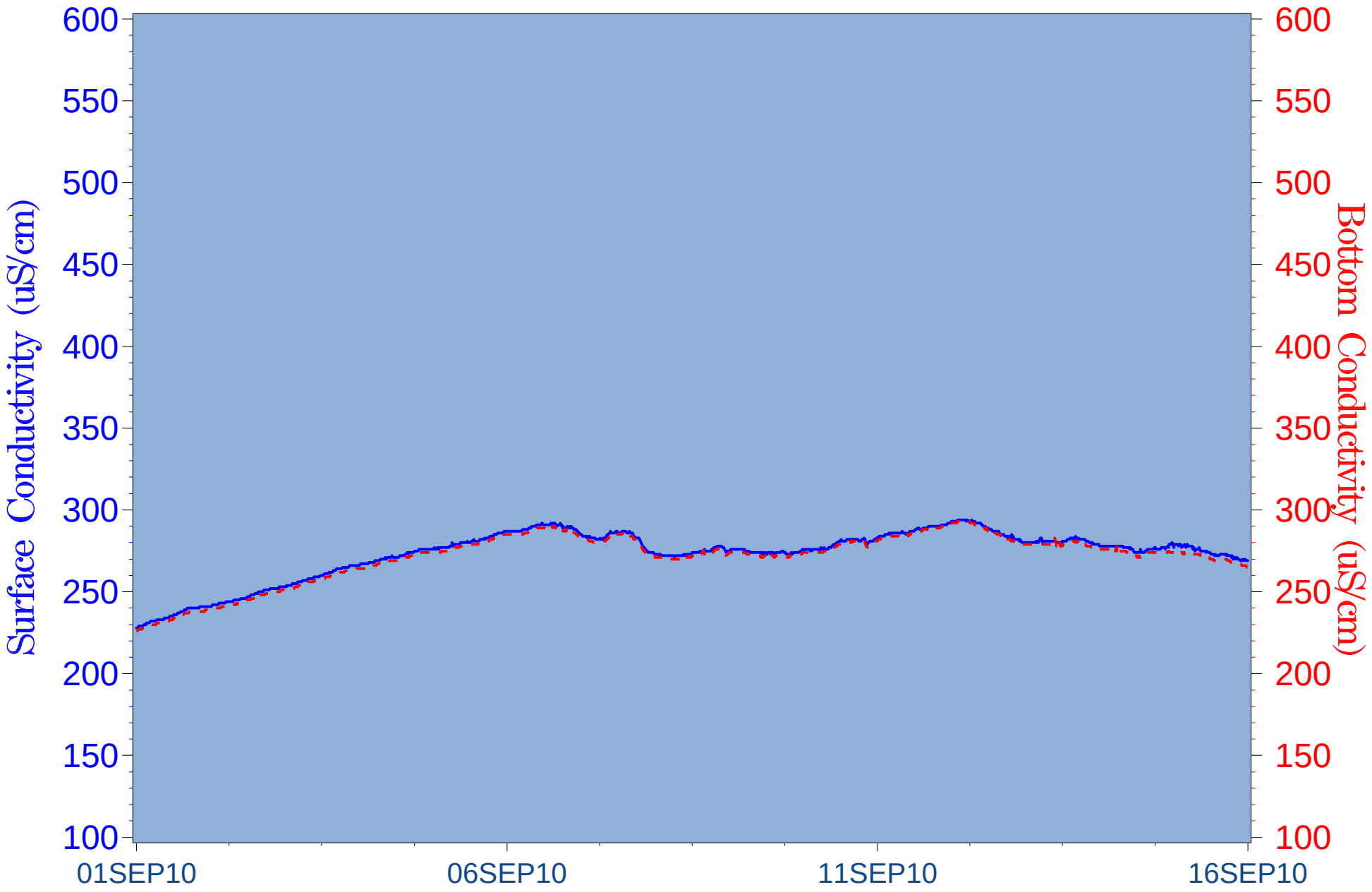


Figure 5.35 Surface and bottom conductivity in September - USGS Gage 02297350 (River Kilometer 26.7)

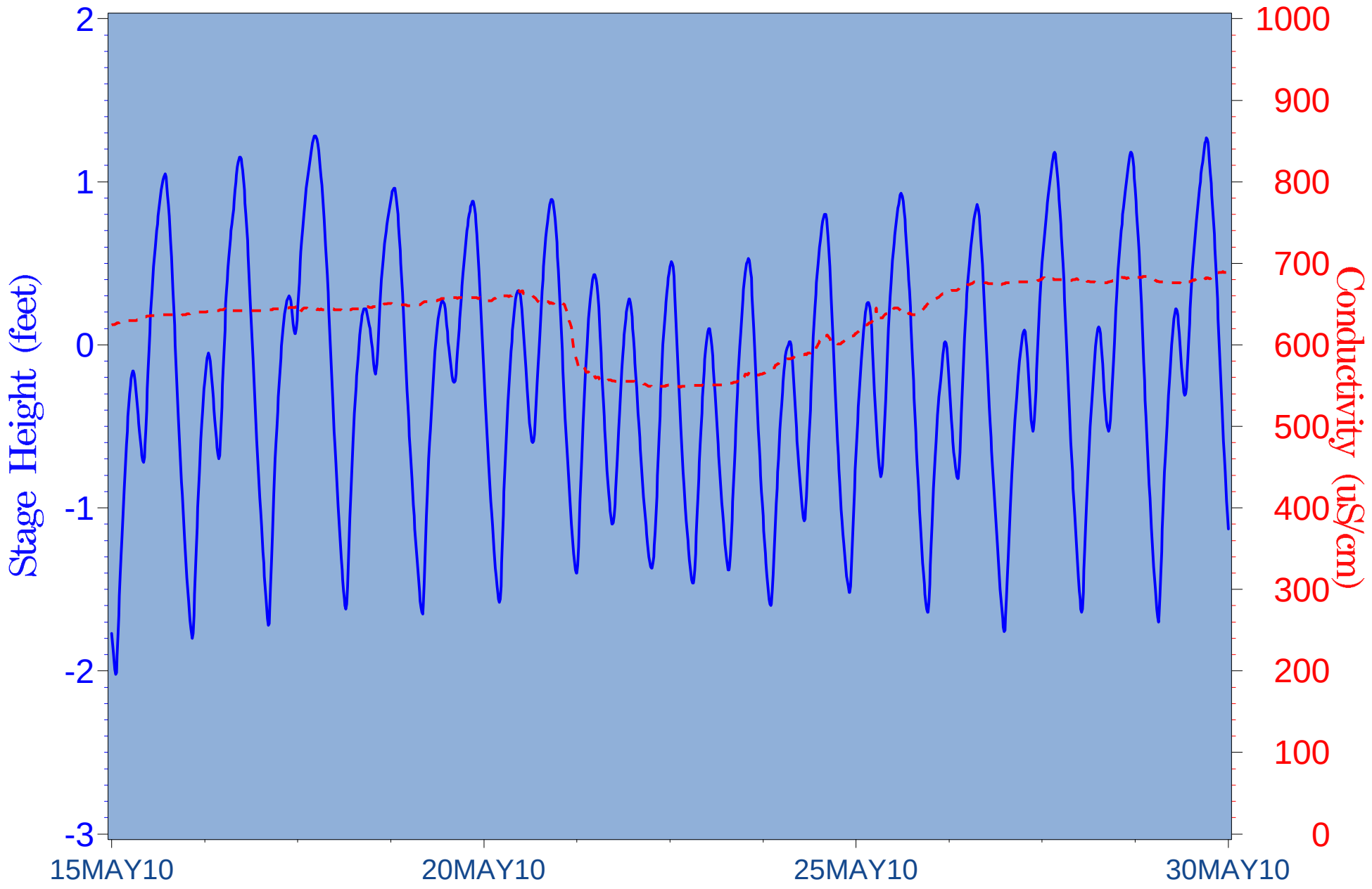


Figure 5.36 Surface conductivity and stage height in May - USGS Gage 02297345 (River Kilometer 29.8)

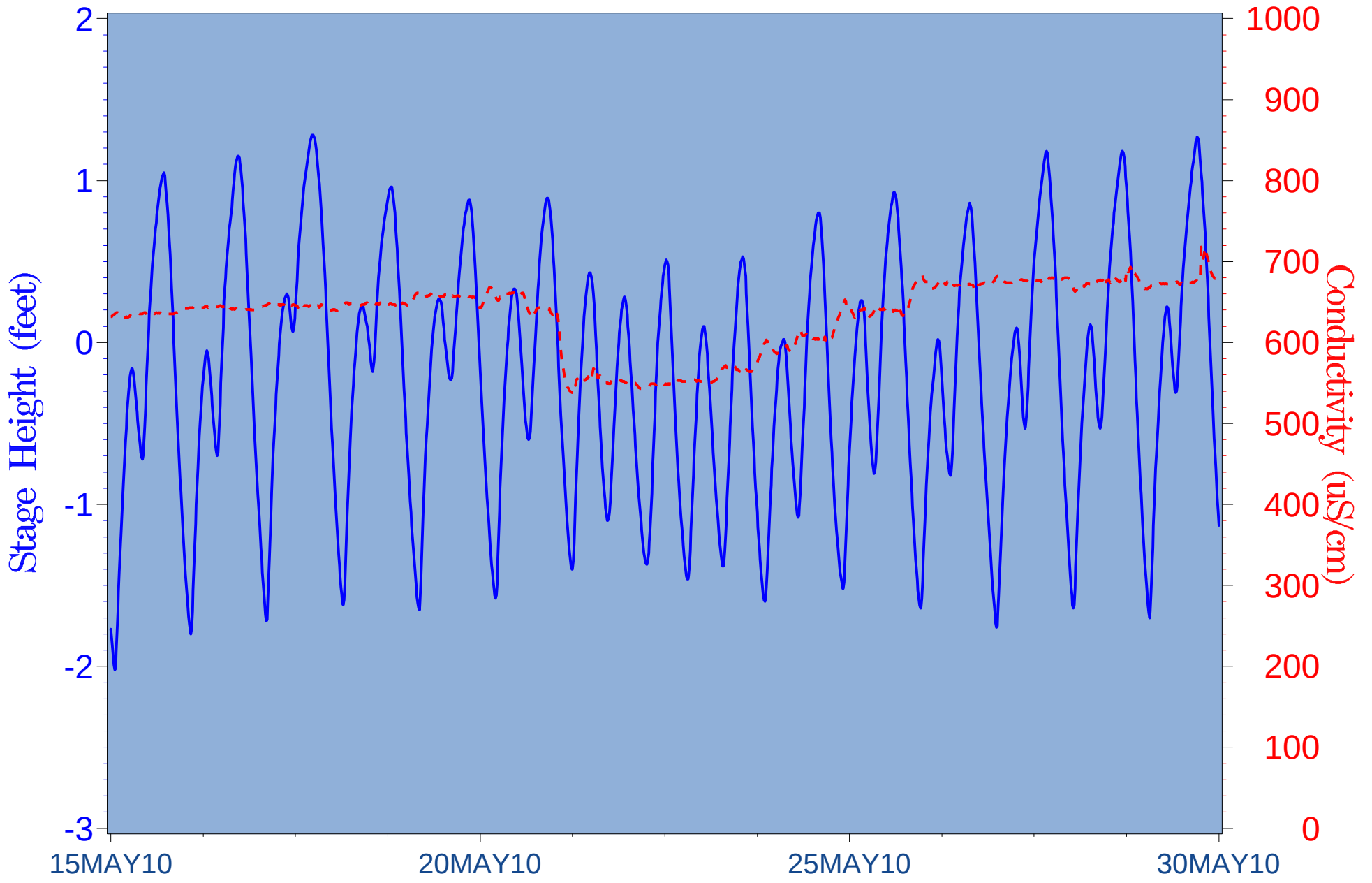


Figure 5.37 Bottom conductivity and stage height in May - USGS Gage 02297345 (River Kilometer 29.8)

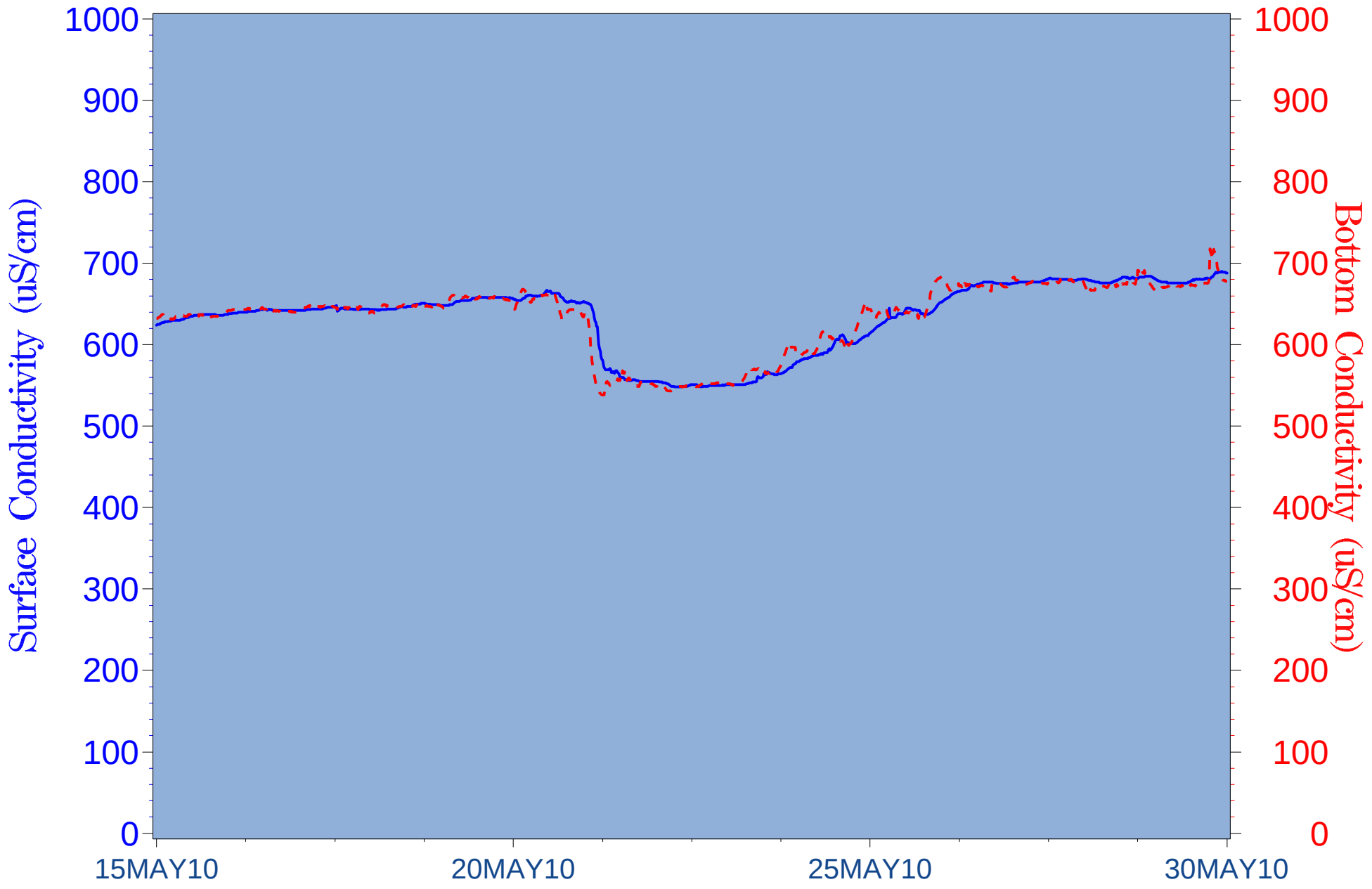


Figure 5.38 Surface and bottom conductivity in May - USGS Gage 02297345 (River Kilometer 29.8)

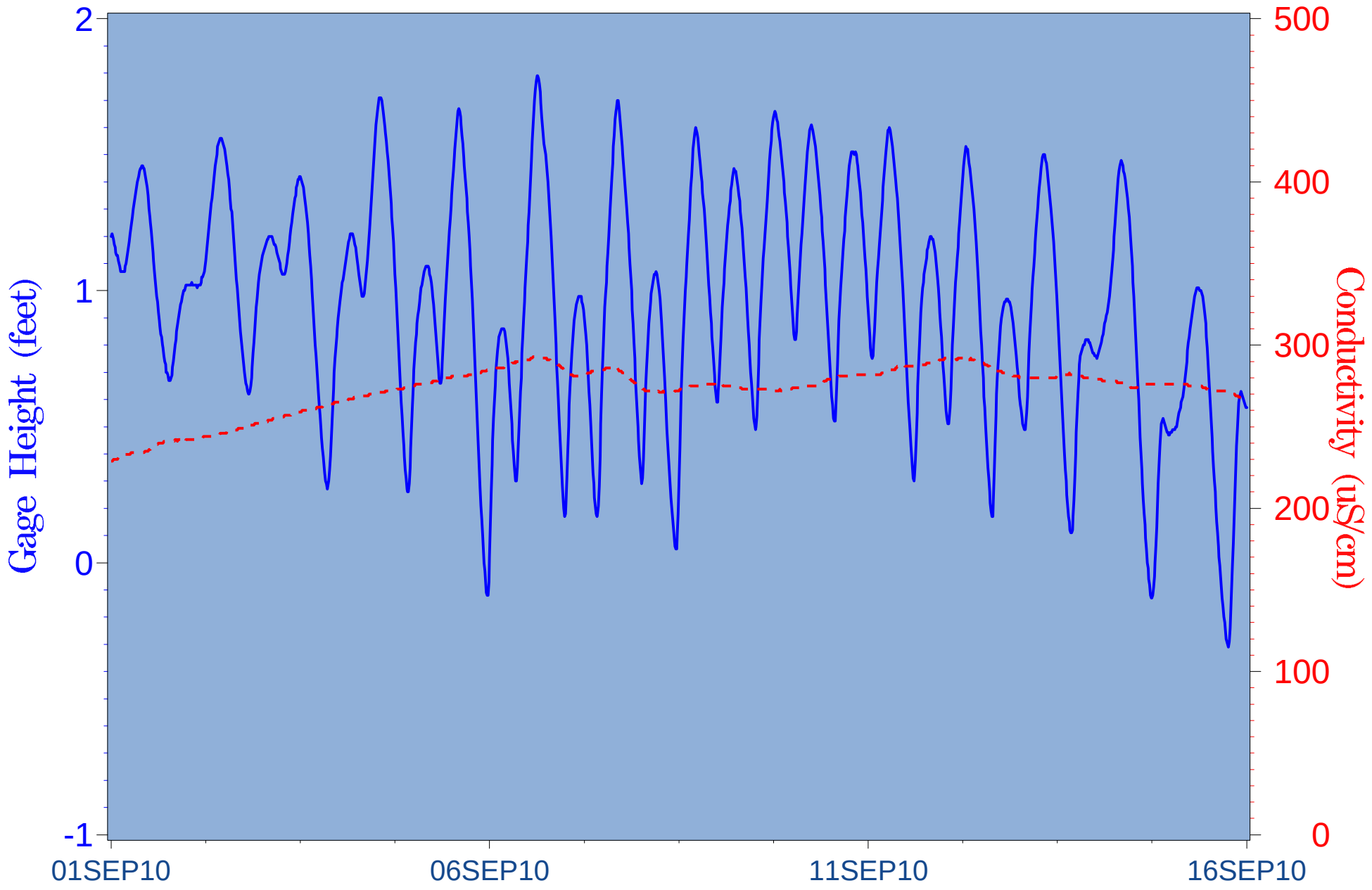


Figure 5.39 Surface conductivity and stage height in September - USGS Gage 02297345 (River Kilometer 29.8)

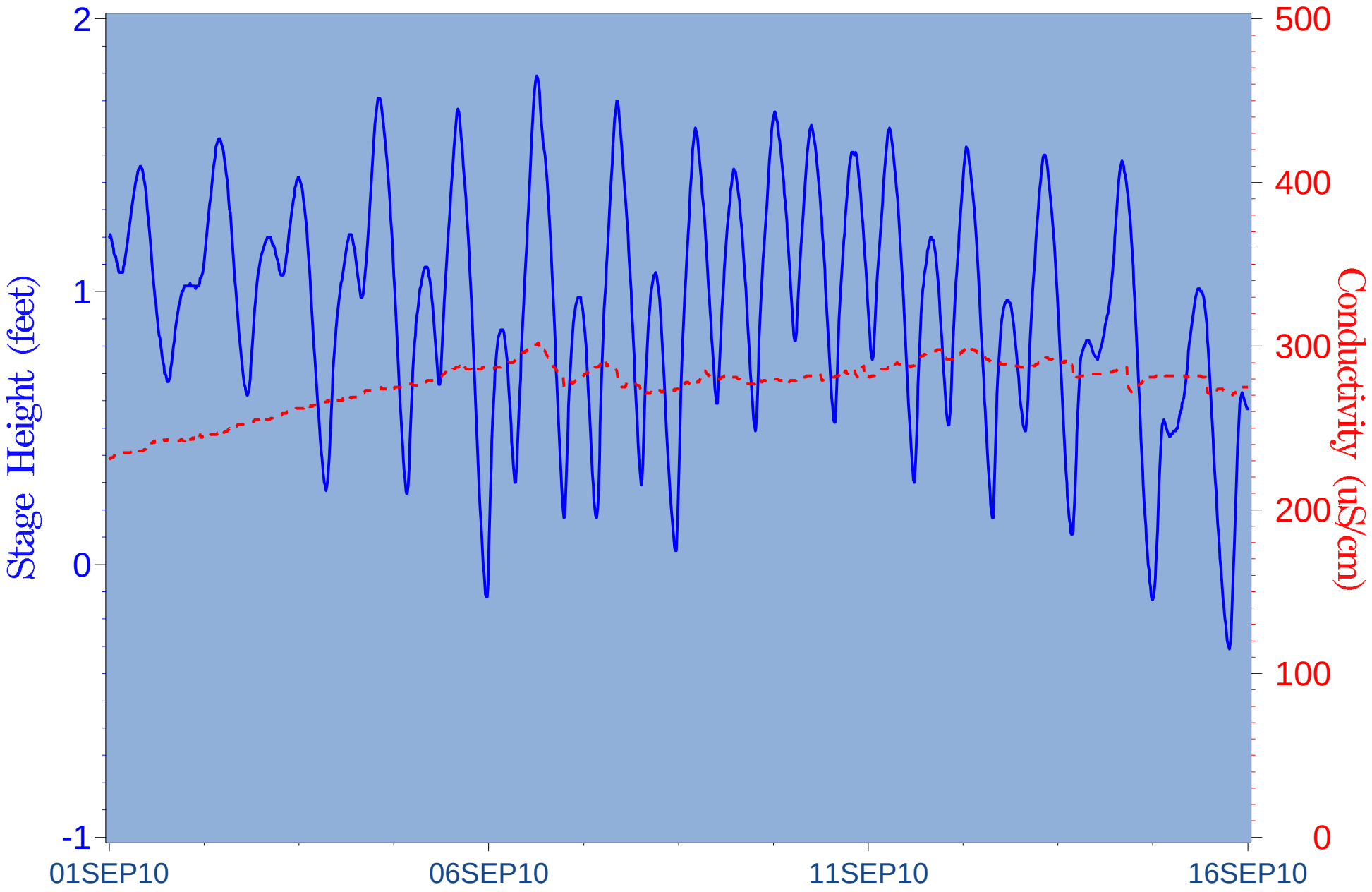


Figure 5.40 Bottom conductivity and stage height in September - USGS Gage 02297345 (River Kilometer 29.8)

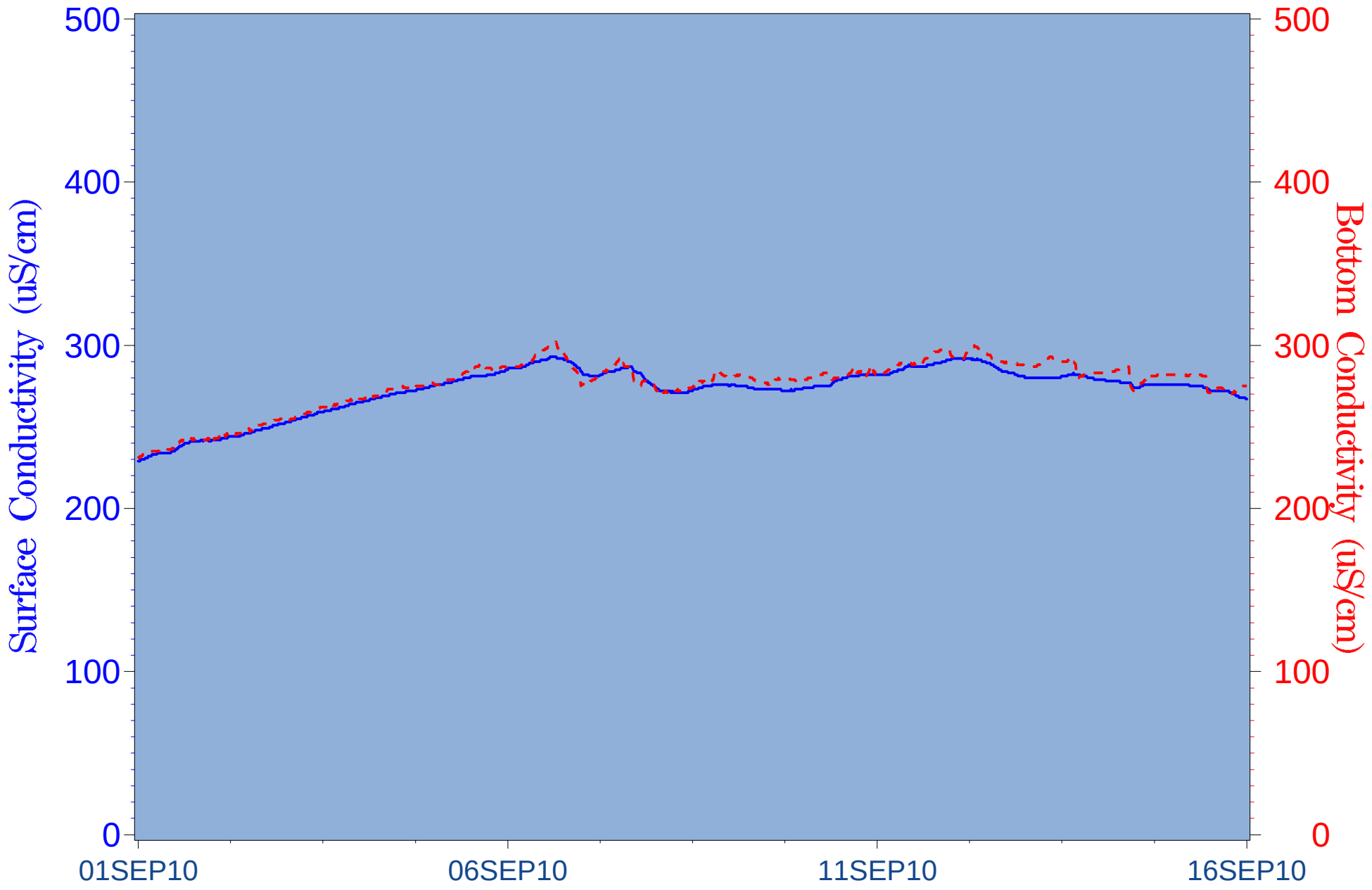


Figure 5.41 Surface and bottom conductivity in September - USGS Gage 02297345 (River Kilometer 29.8)

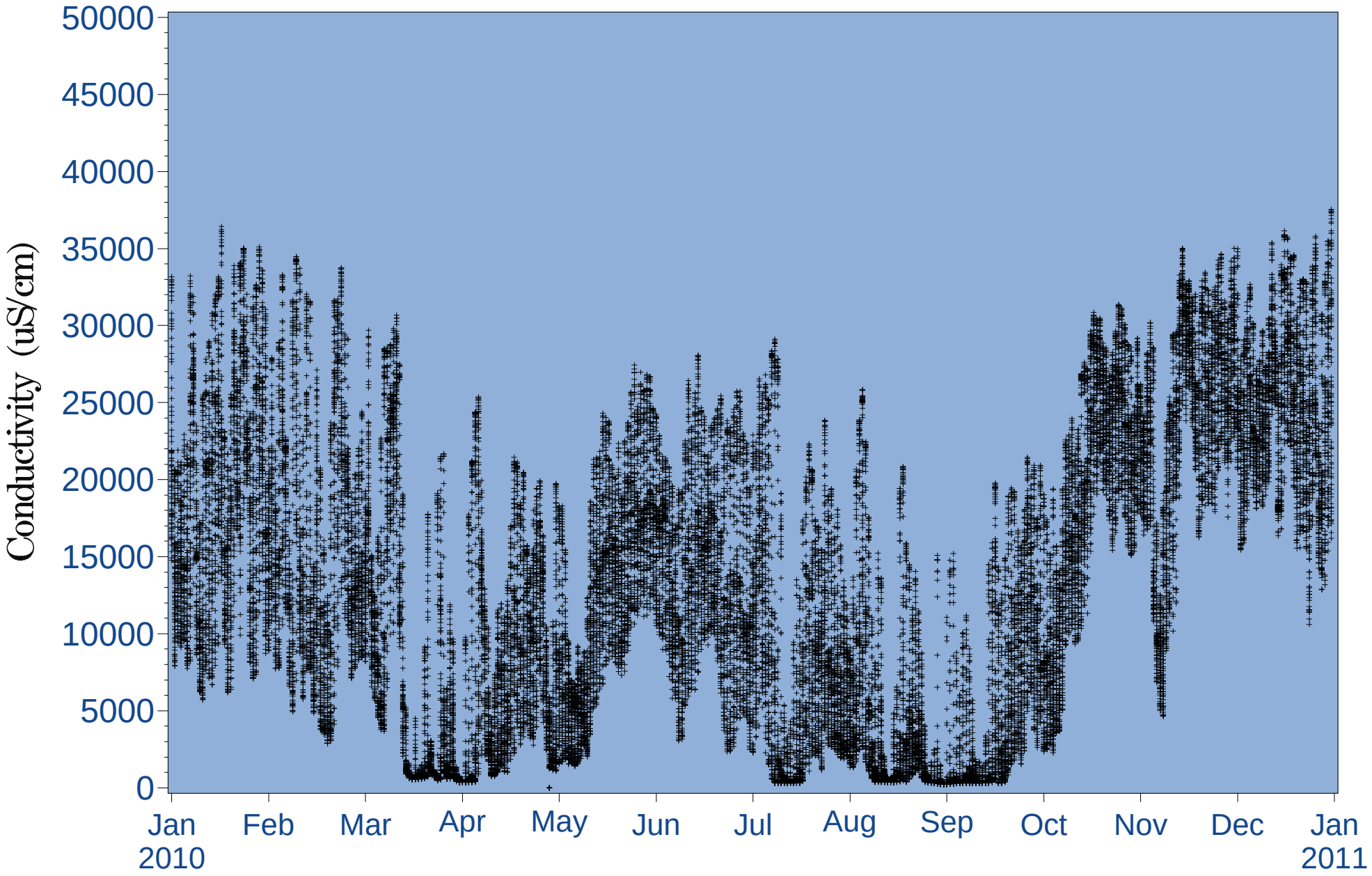


Figure 5.42(a) 2010 Bottom conductivity (15-min intervals) for Peace River fixed station Navigation Marker - River Kilometer = 12.7

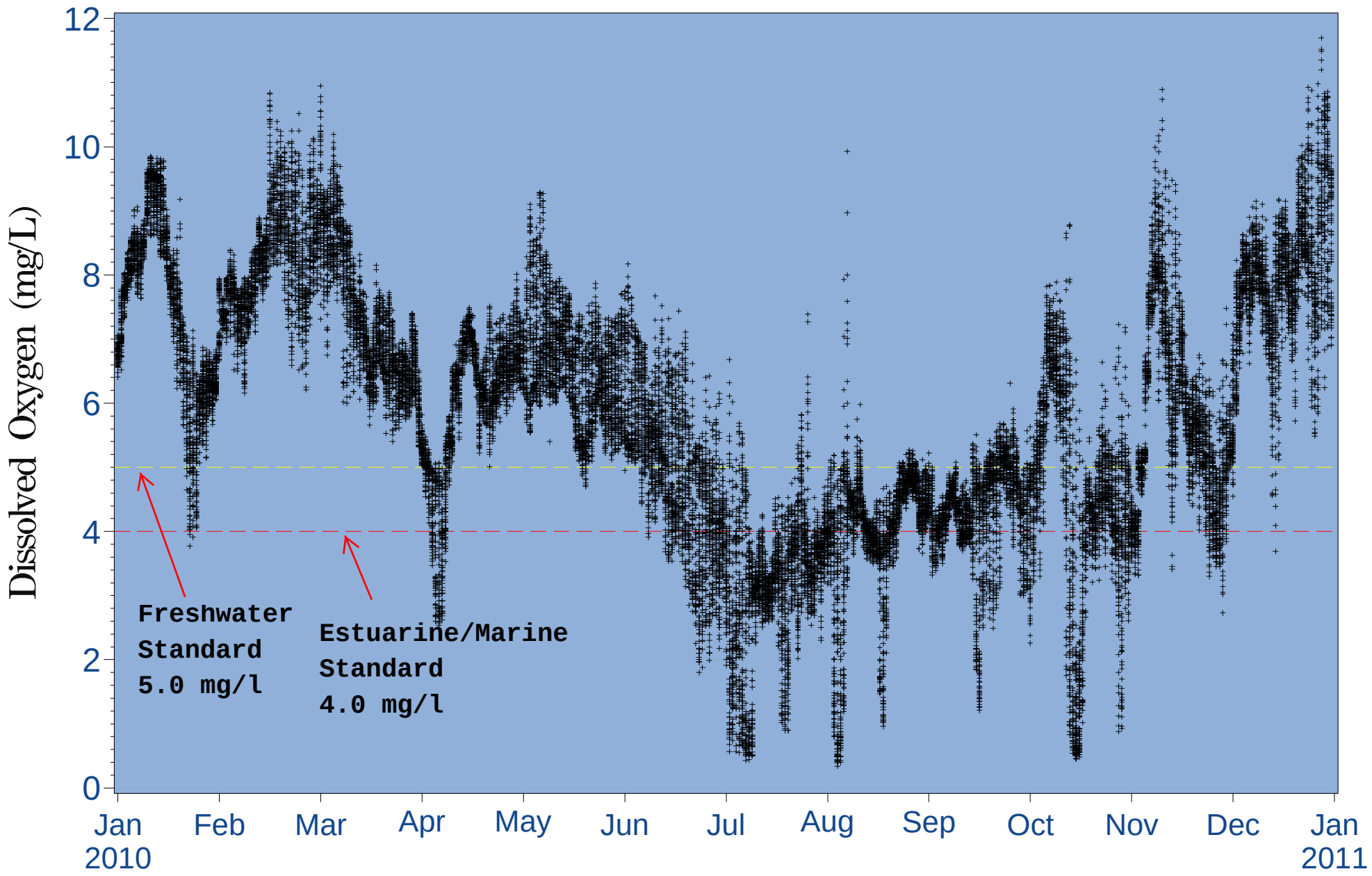


Figure 5.42(b) 2010 Bottom dissolved oxygen (15-min intervals) for Peace River fixed station Navigation Marker - River Kilometer = 12.7

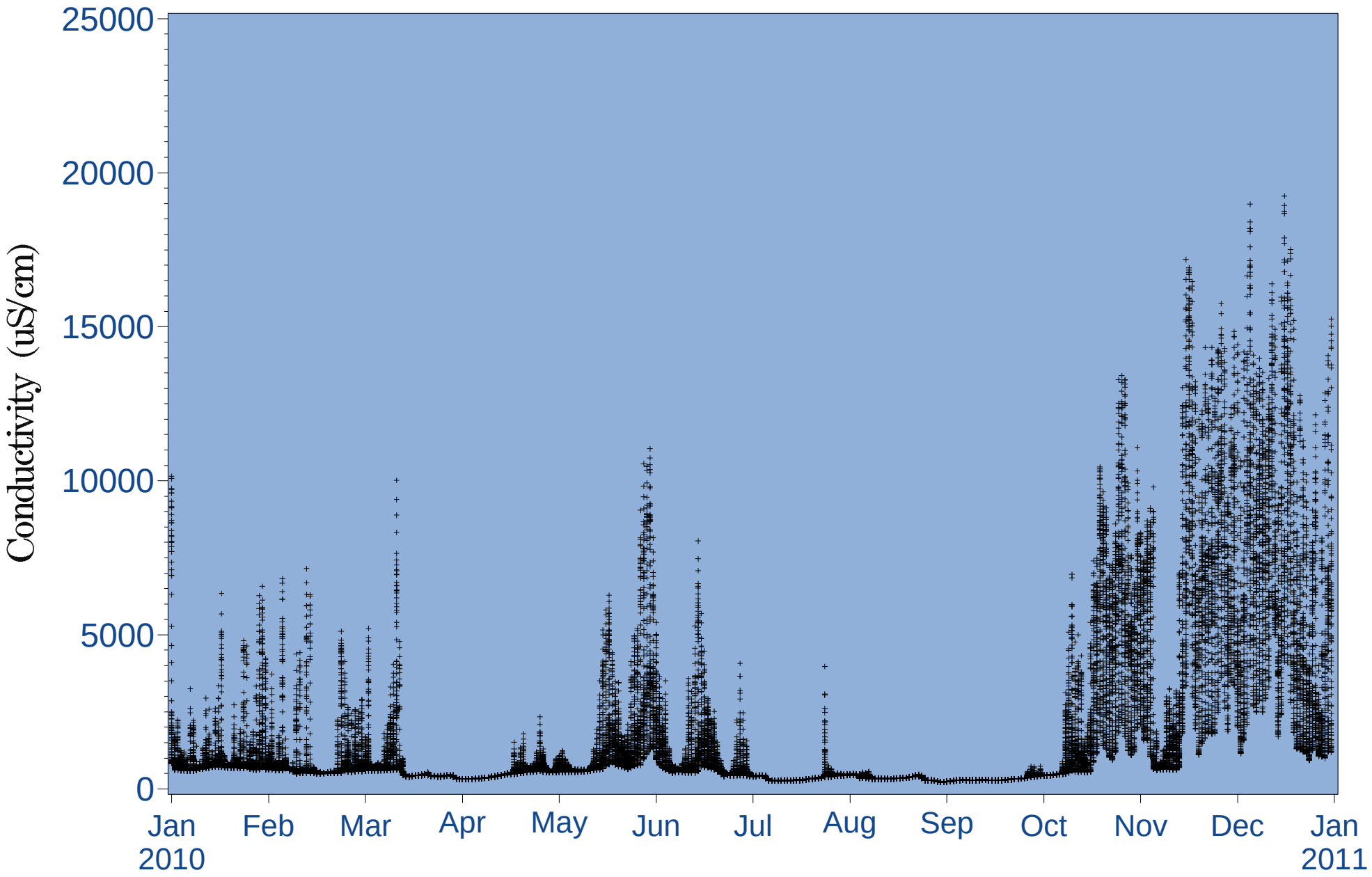


Figure 5.43 2010 Surface conductivity (15-min intervals) for Peace River fixed station Manatee Marker - River Kilometer = 21.9

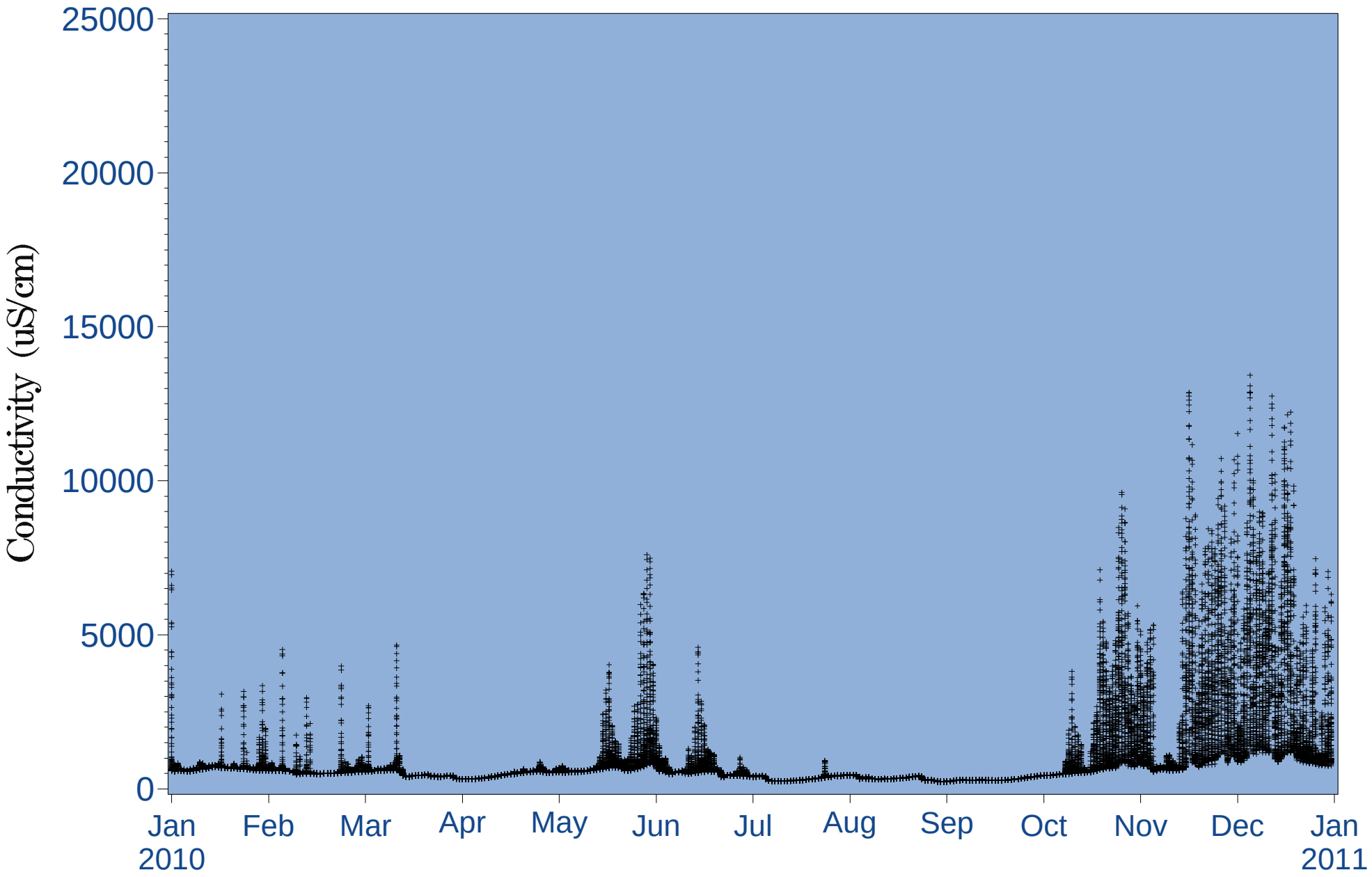


Figure 5.44 2010 Surface conductivity (15-min intervals) for Peace River fixed station Manatee Marker - River Kilometer = 24.5

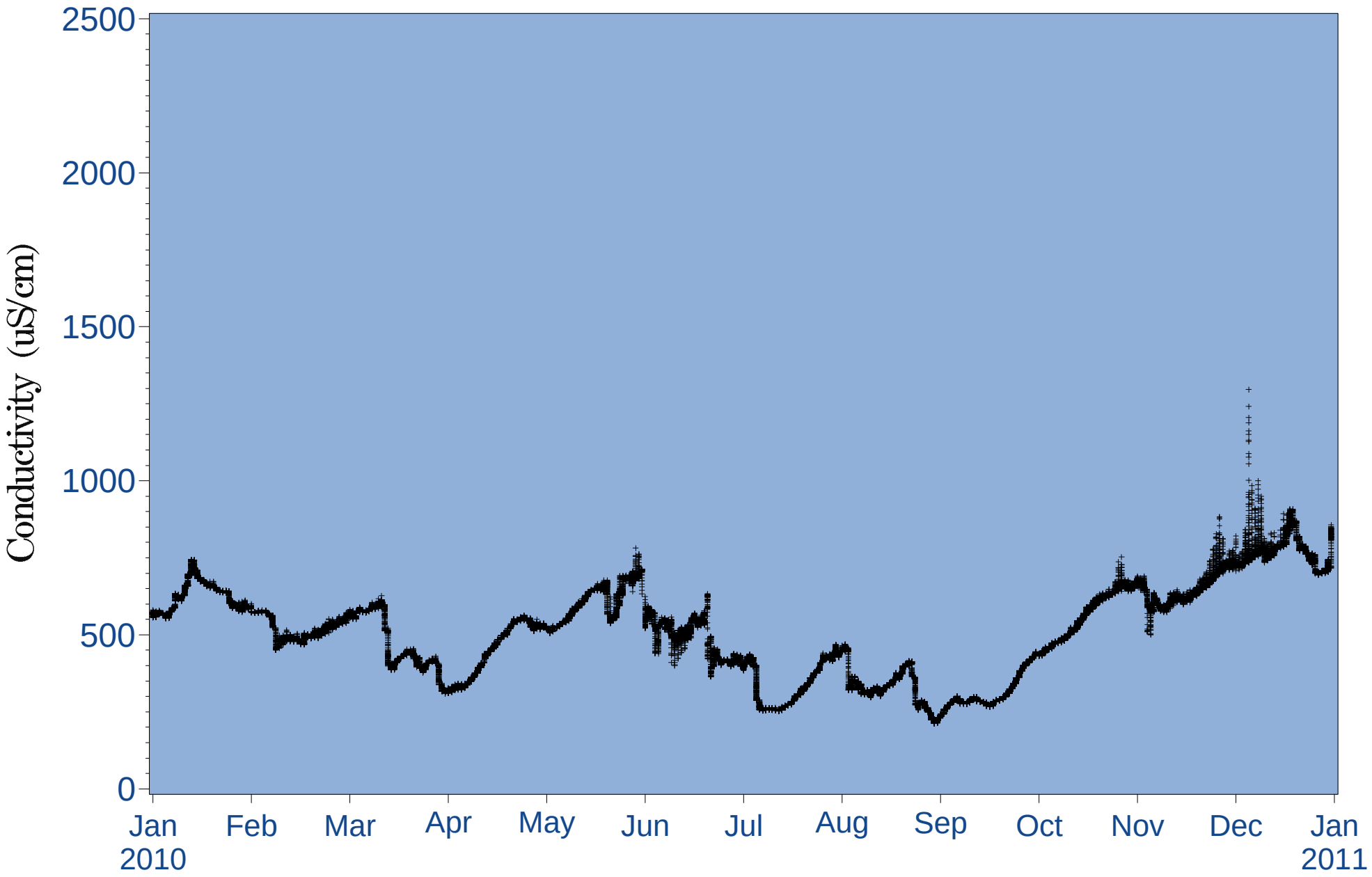


Figure 5.45 2010 Surface conductivity (15-min intervals) for Peace River fixed station Manatee Marker just upstream of the Facility - River Kilometer = 30.6

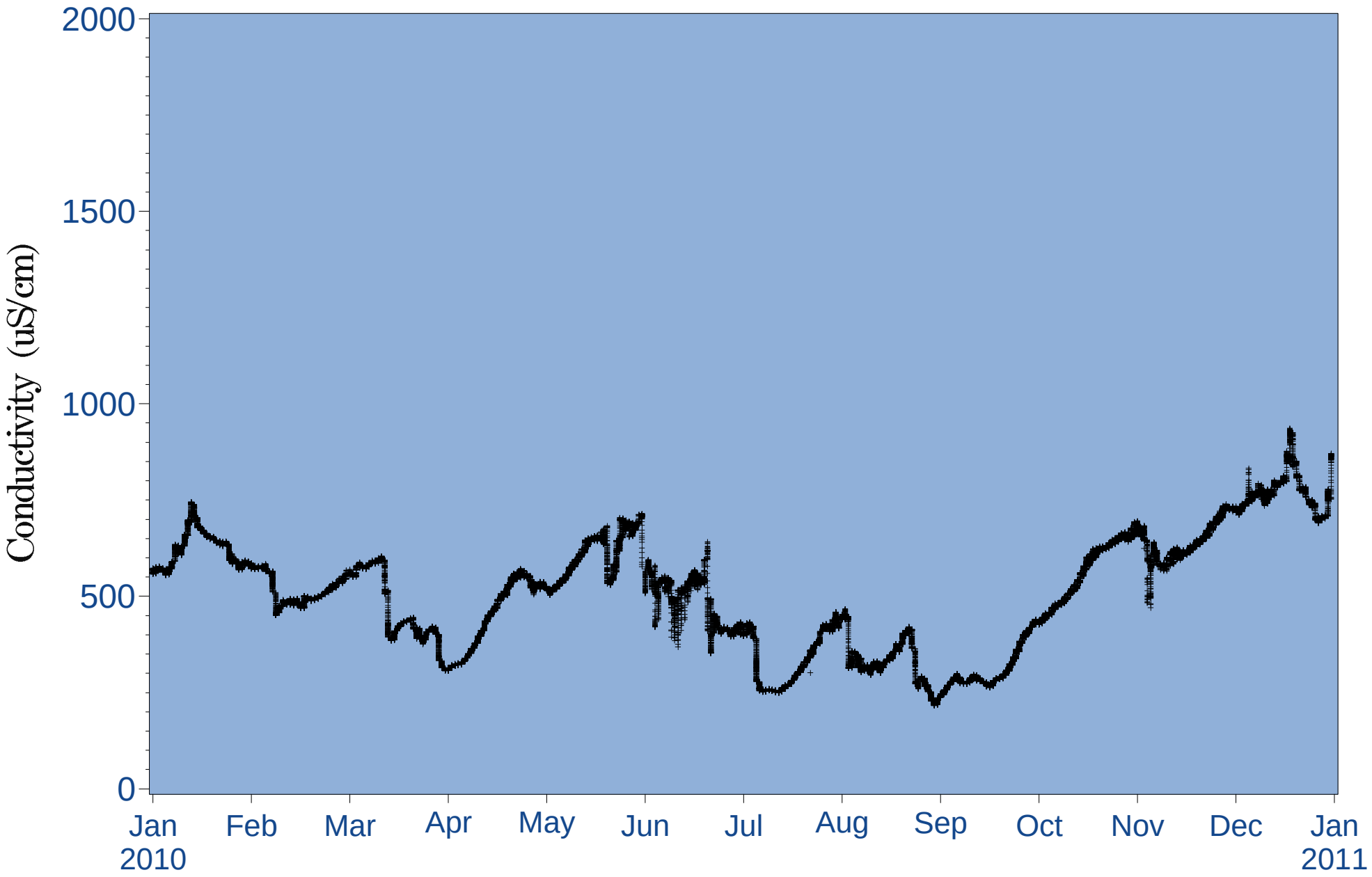


Figure 5.46 2010 Surface conductivity (15-min intervals) for Peace River fixed station Old Railroad Bridge - River Kilometer = 31.7

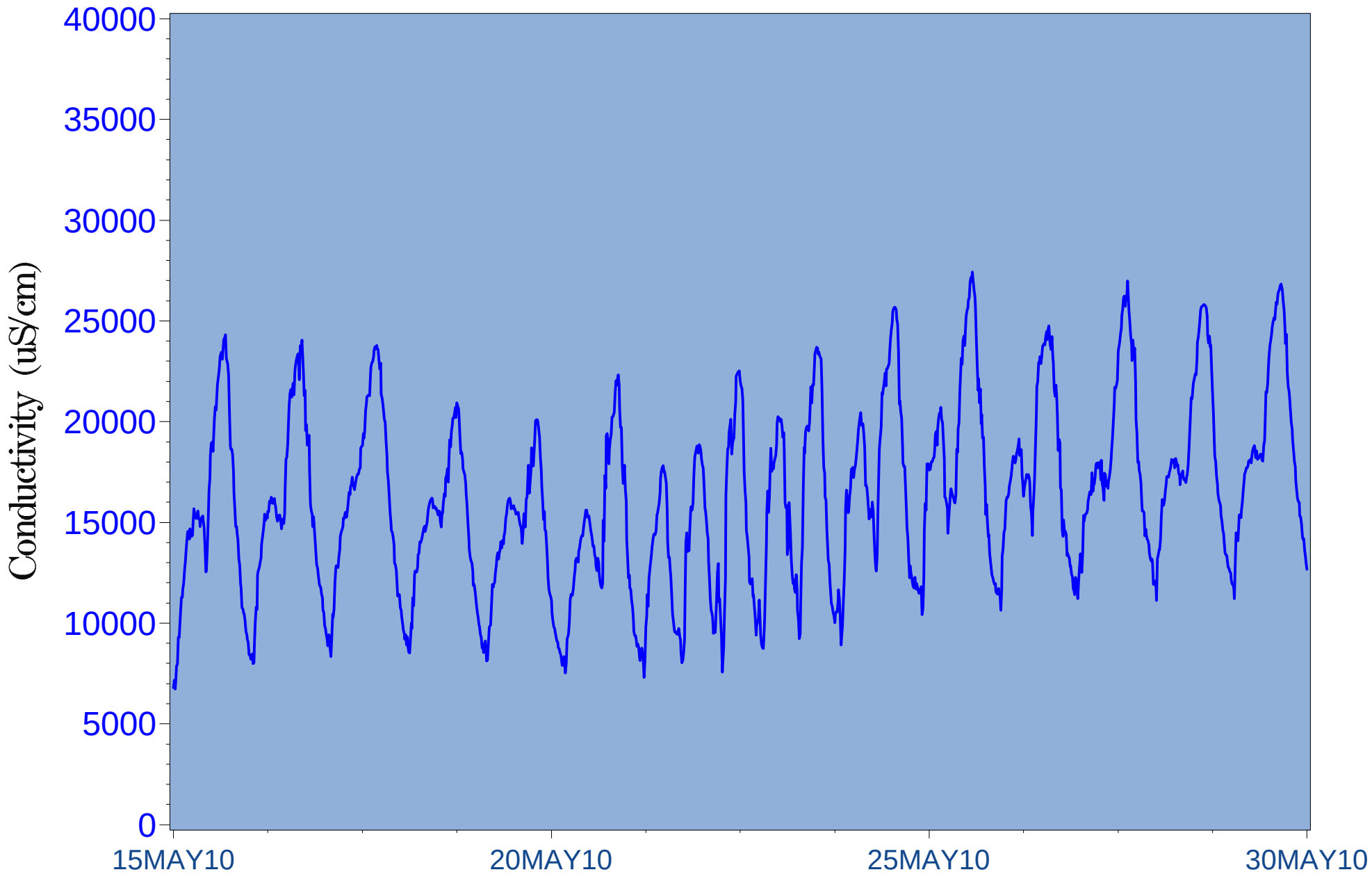


Figure 5.47(a) May 2010 15-minute bottom conductivities
Navigation Marker - River Kilometer = 12.7

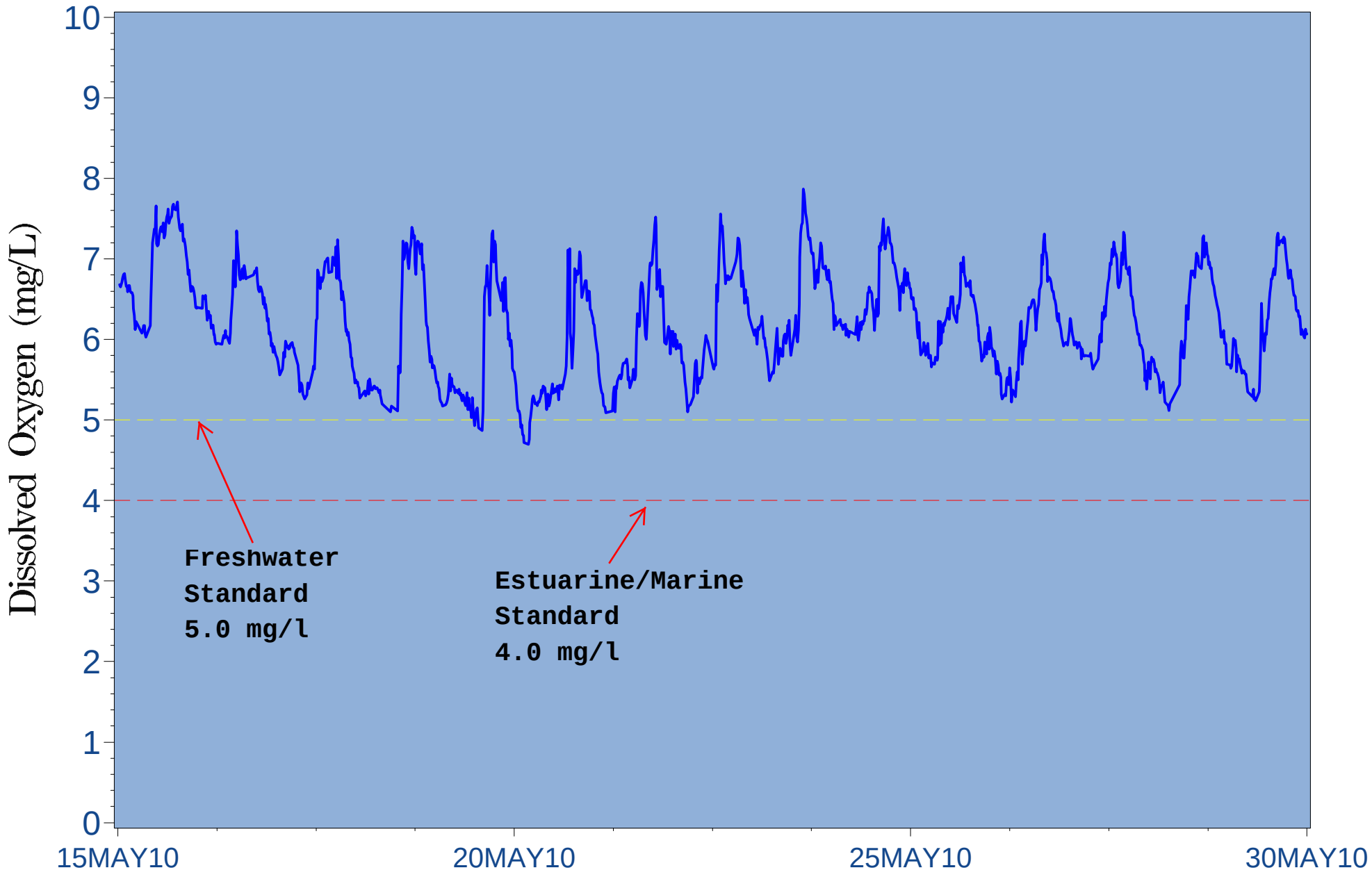


Figure 5.47(b) May 2010 15-minute bottom dissolved oxygen
Navigation Marker - River Kilometer = 12.7

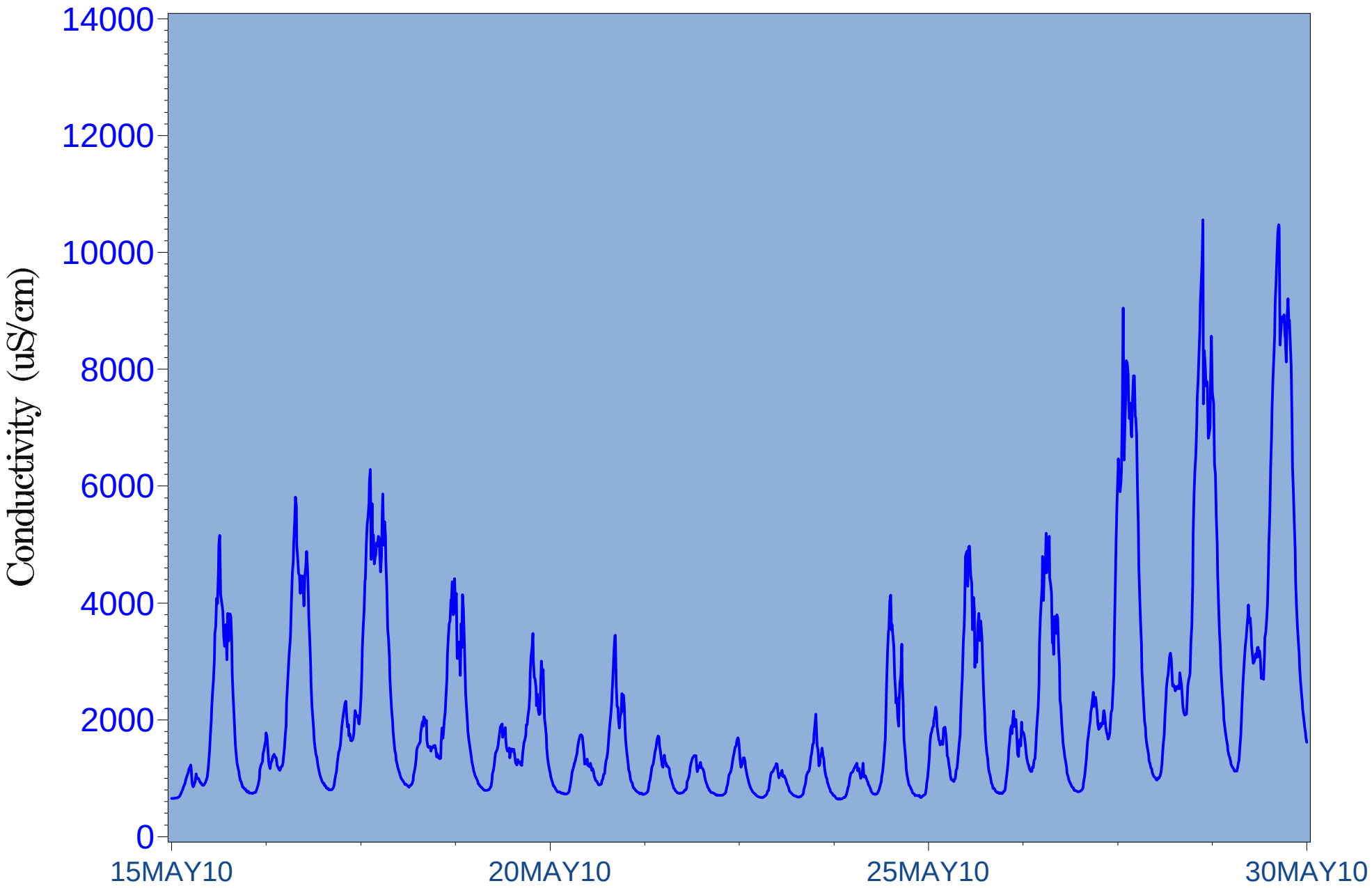


Figure 5.48 May 2010 15-minute surface conductivities
Manatee Marker - River Kilometer = 21.9

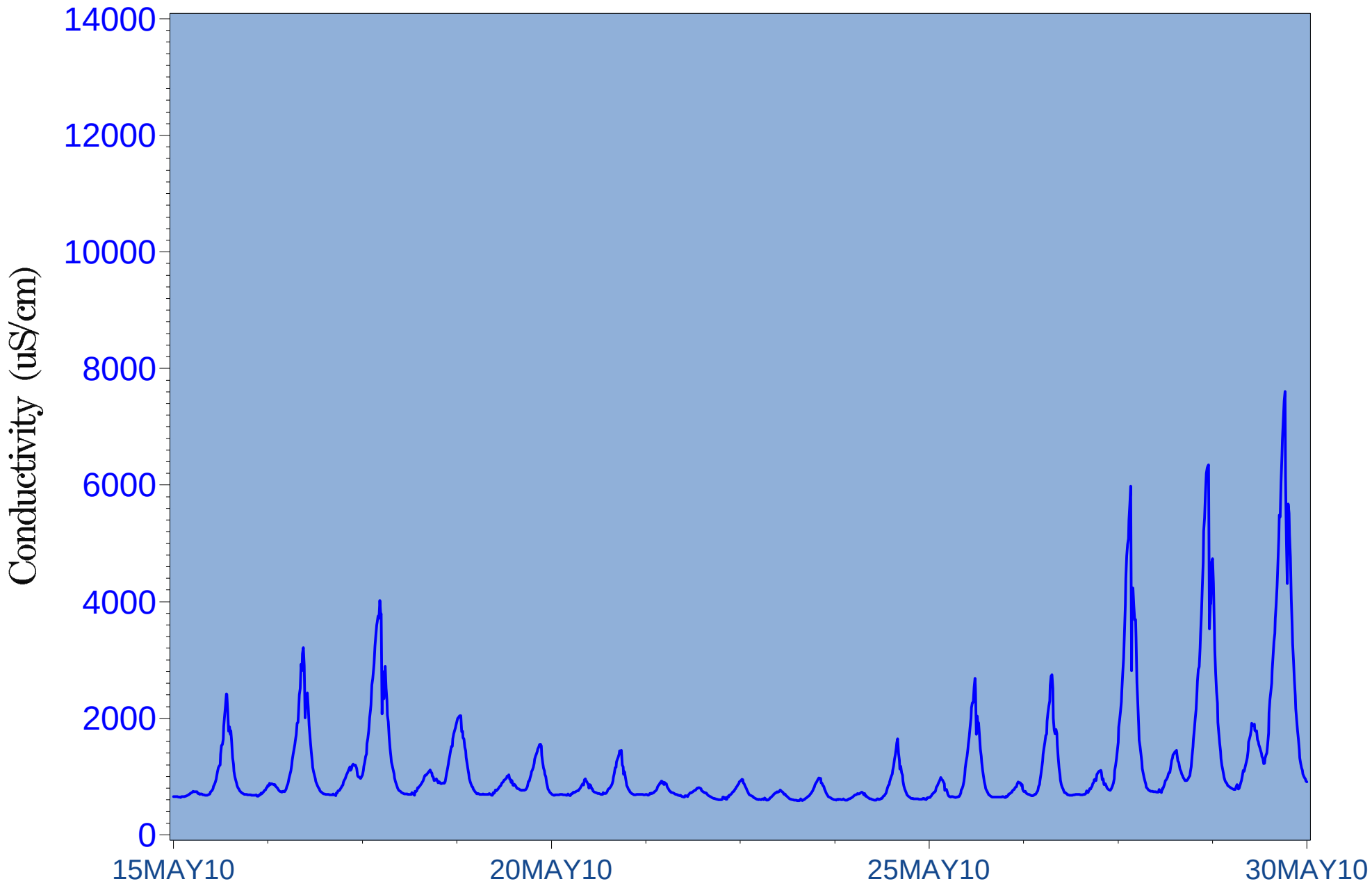


Figure 5.49 May 2010 15-minute surface conductivities
Manatee Marker - River Kilometer = 24.5

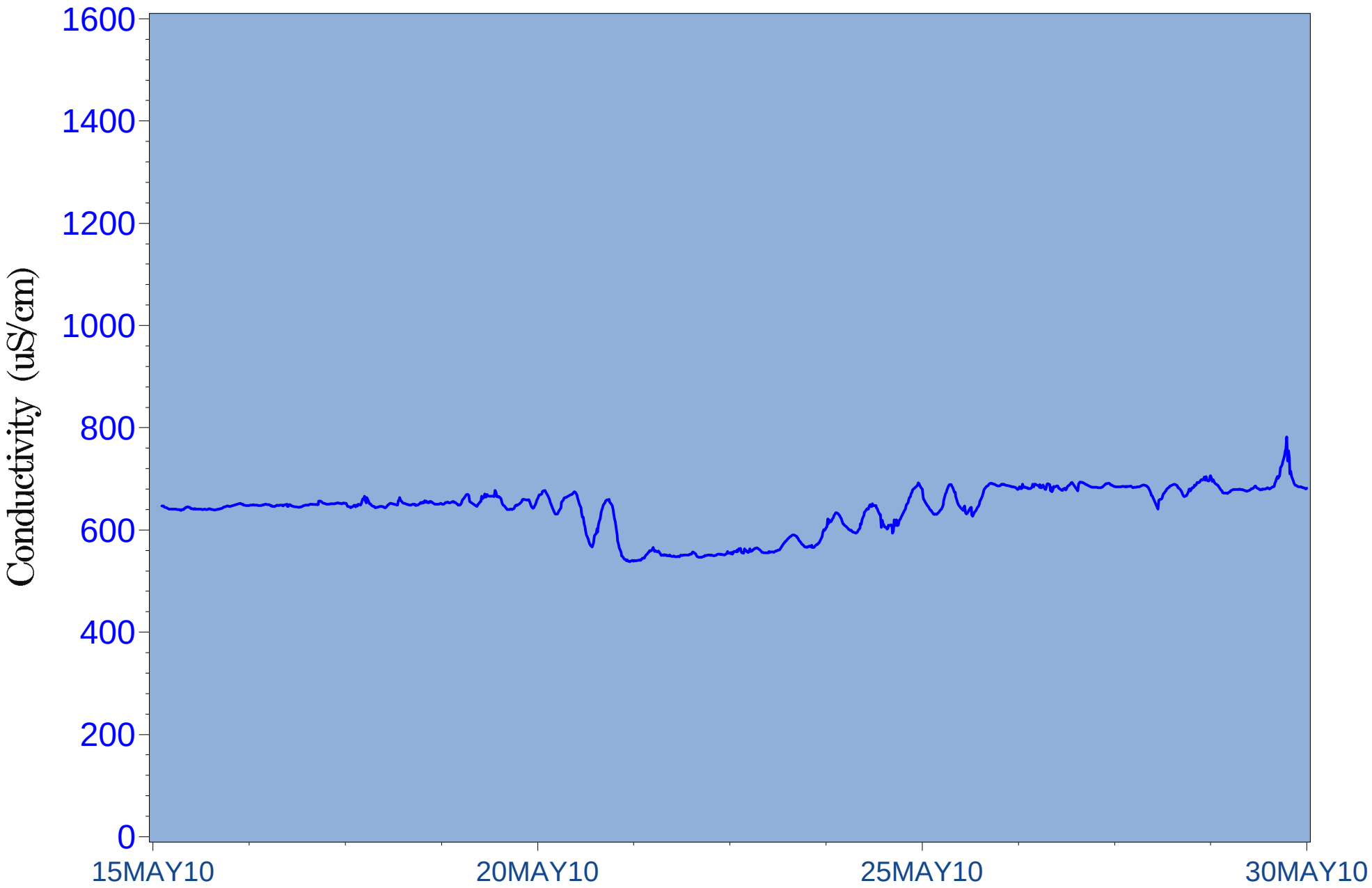


Figure 5.50 May 2010 15-minute surface conductivities
Manatee Marker just upstream of the Facility - River Kilometer = 30.6

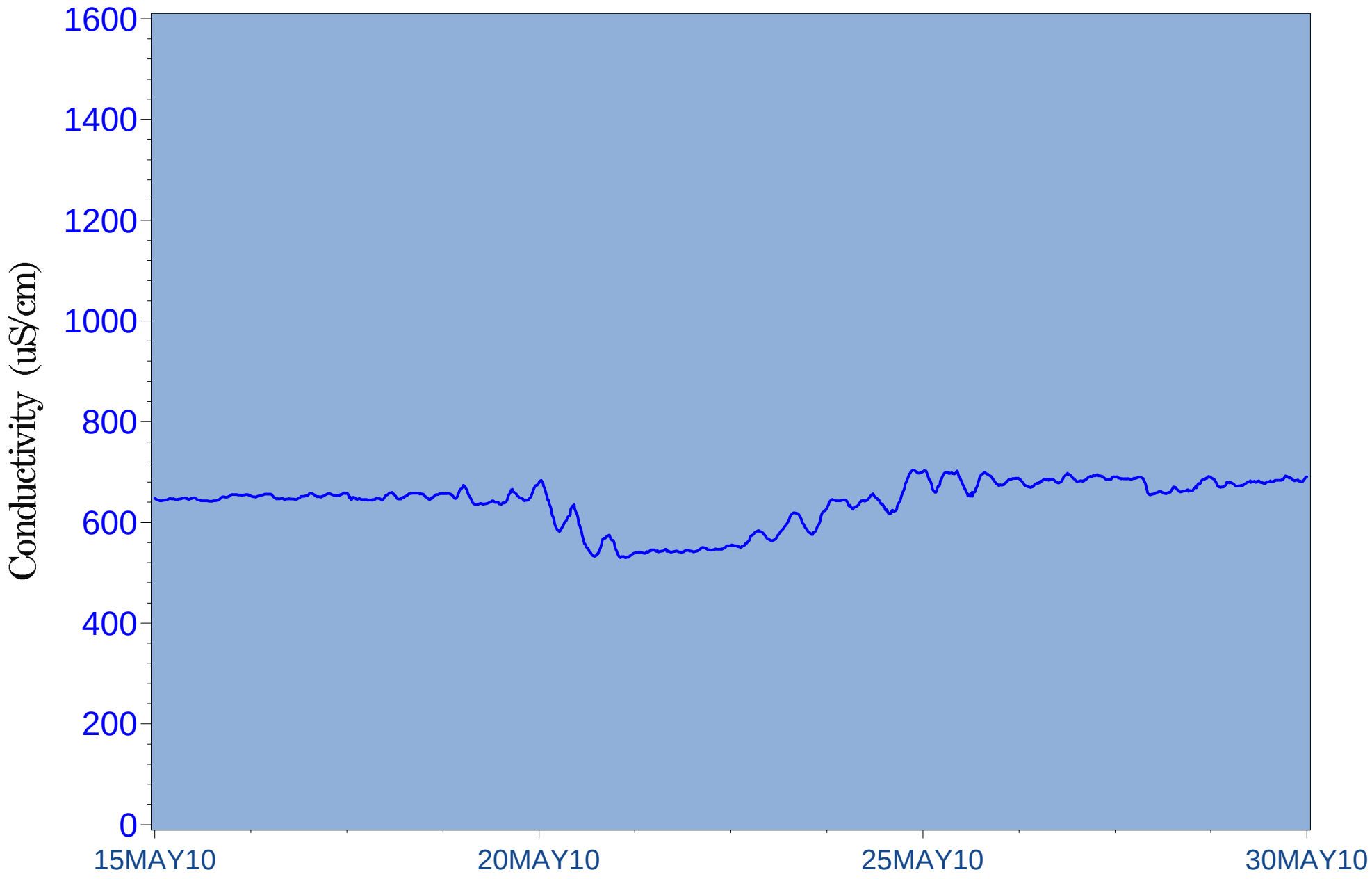


Figure 5.51 May 2010 15-minute surface conductivities
Old Railroad Bridge - River Kilometer = 31.7

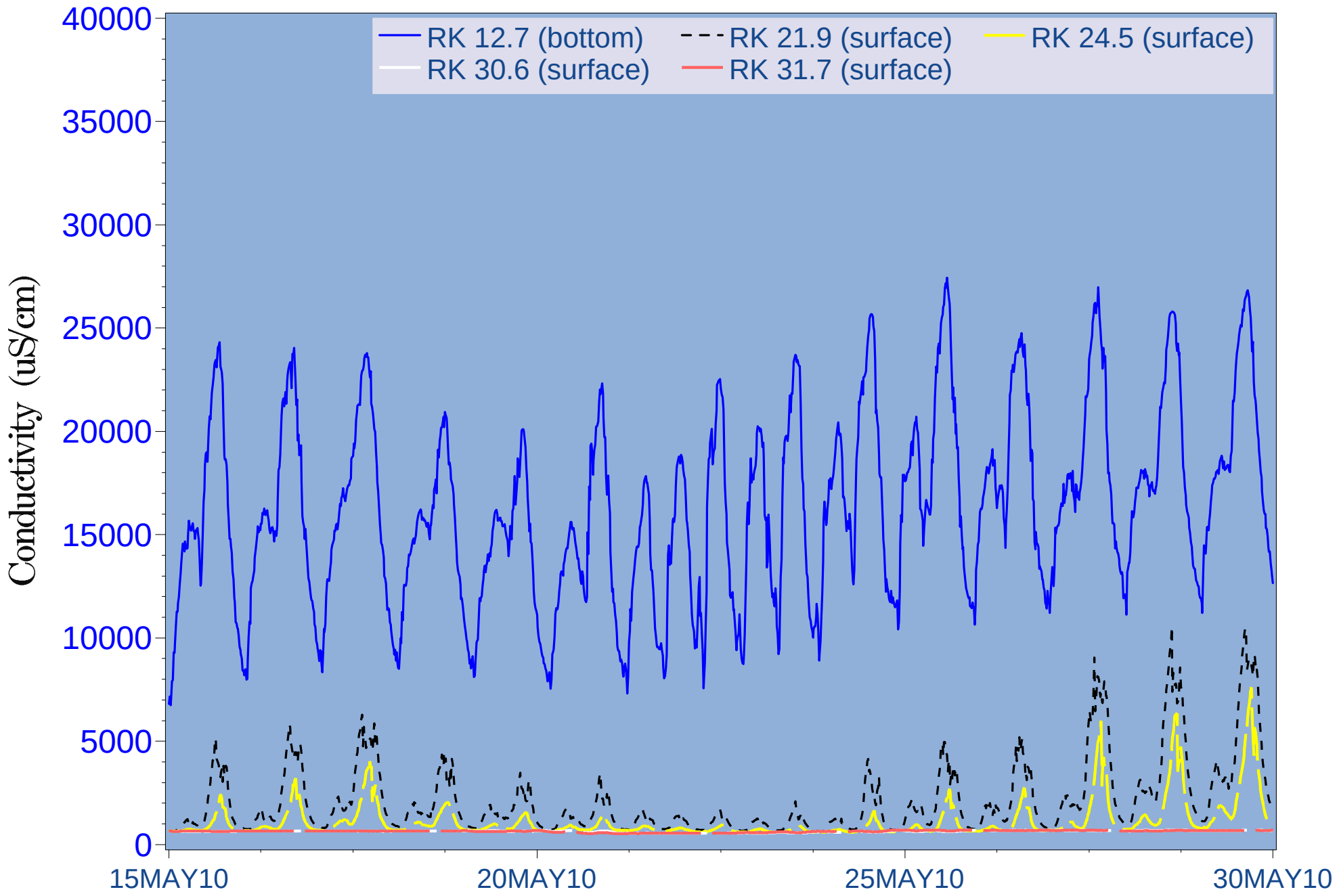


Figure 5.52 May 2010 15-minute conductivities at HBMP continuous recorders

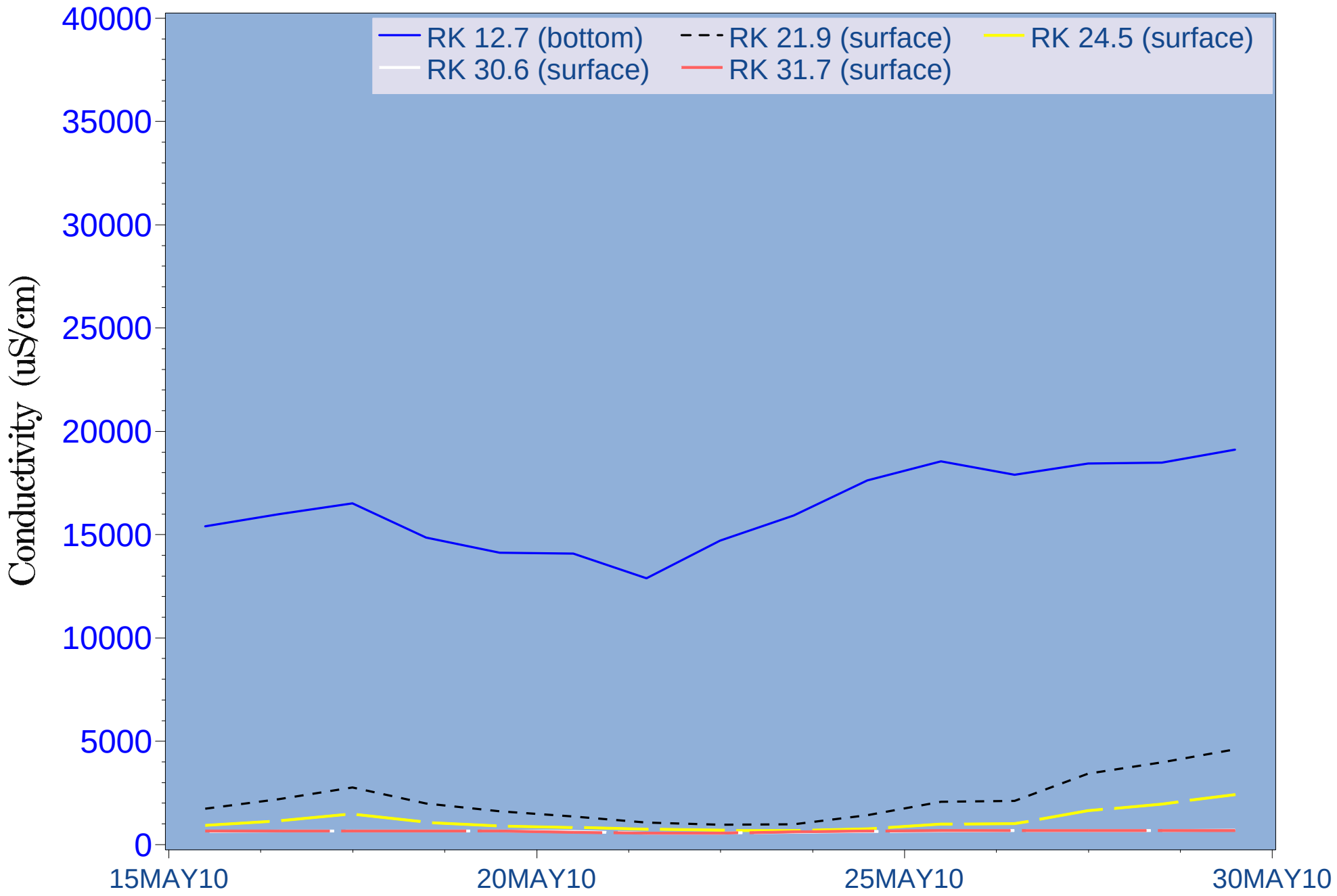


Figure 5.53 May 2010 daily mean surface conductivities at HBMP continuous recorders

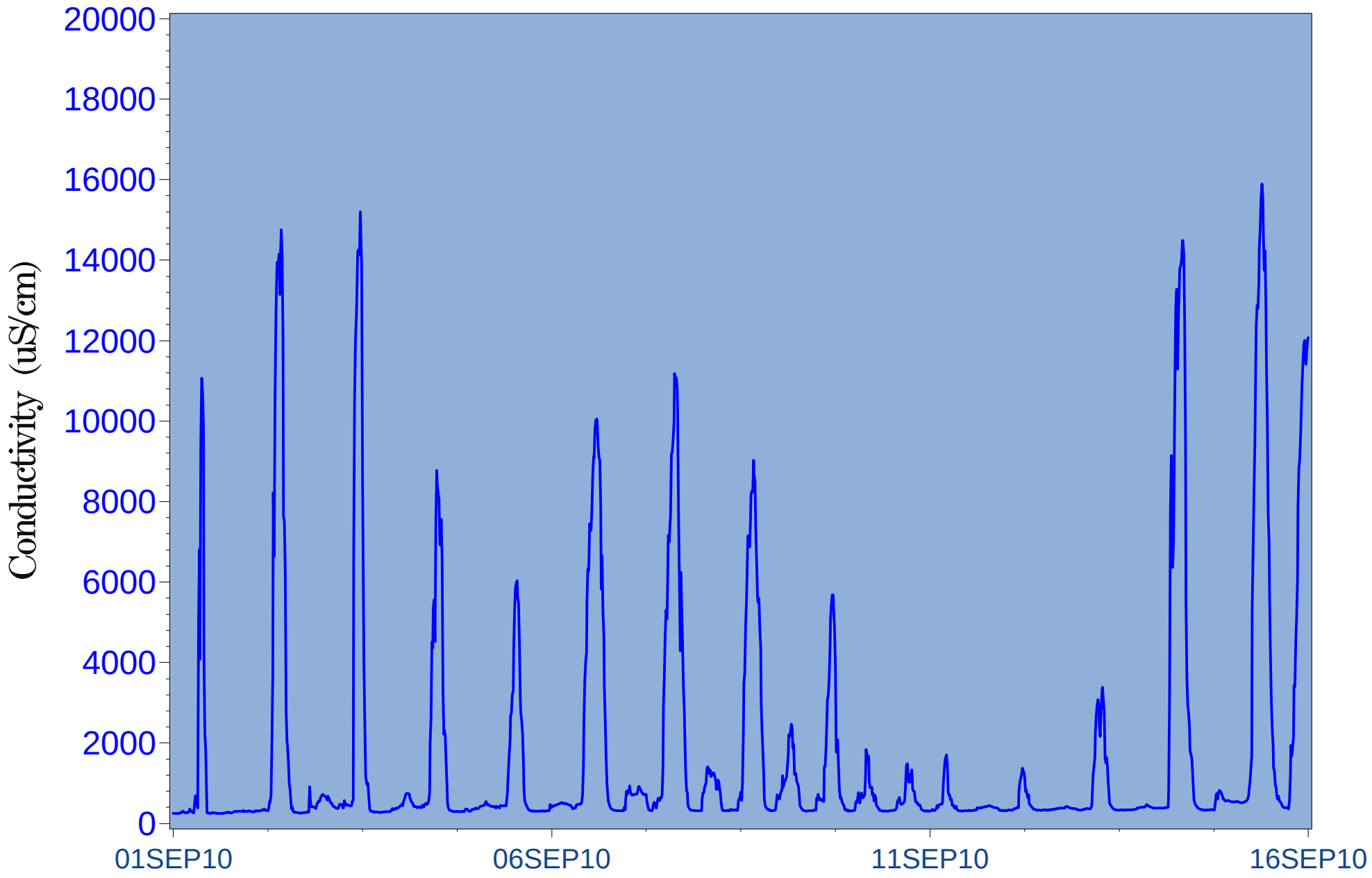


Figure 5.54(a) September 2010 15-minute bottom conductivities
Navigation Marker - River Kilometer = 12.7

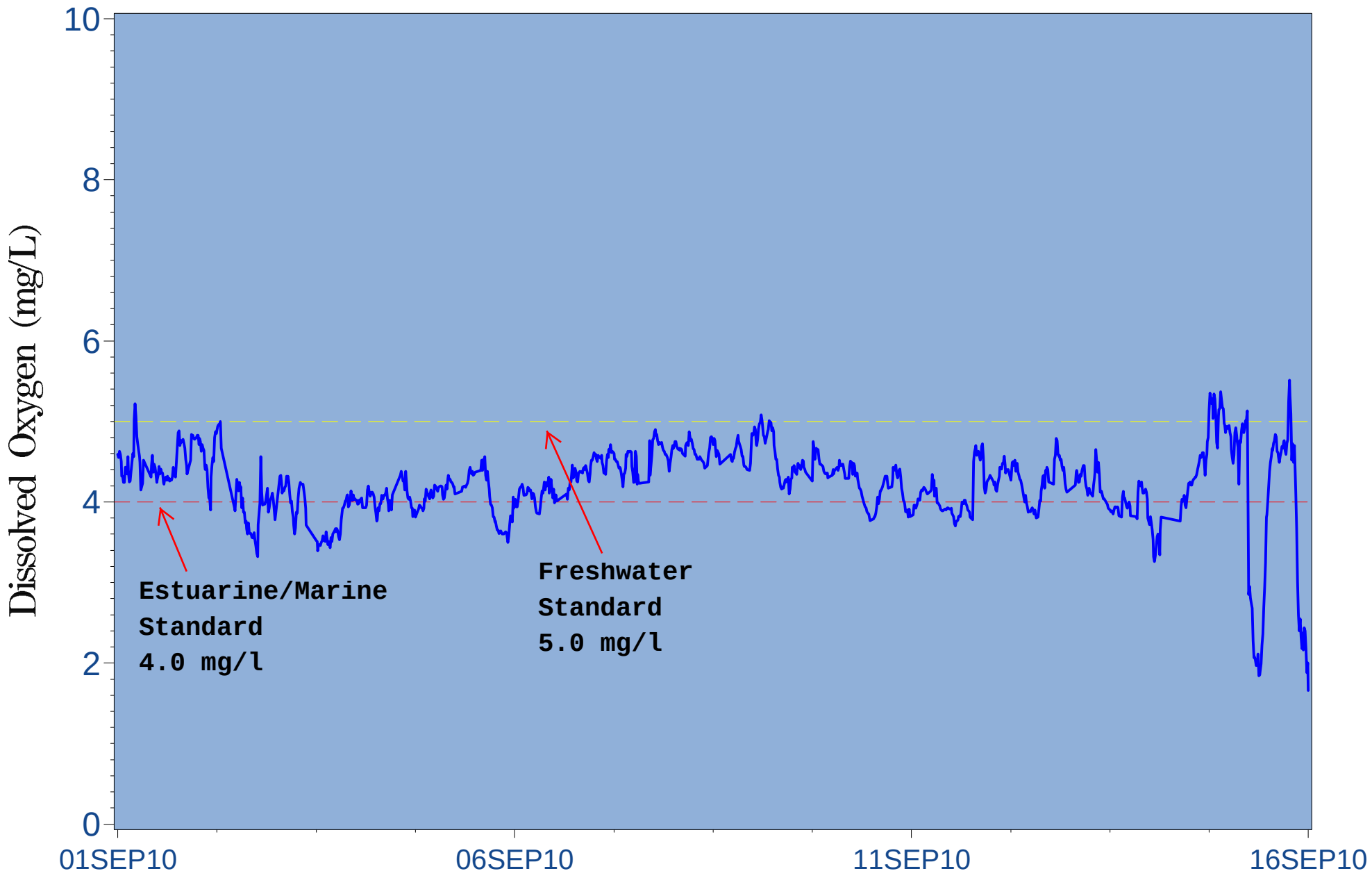


Figure 5.54(b) September 2010 15-minute bottom dissolved oxygen
Navigation Marker - River Kilometer = 12.7

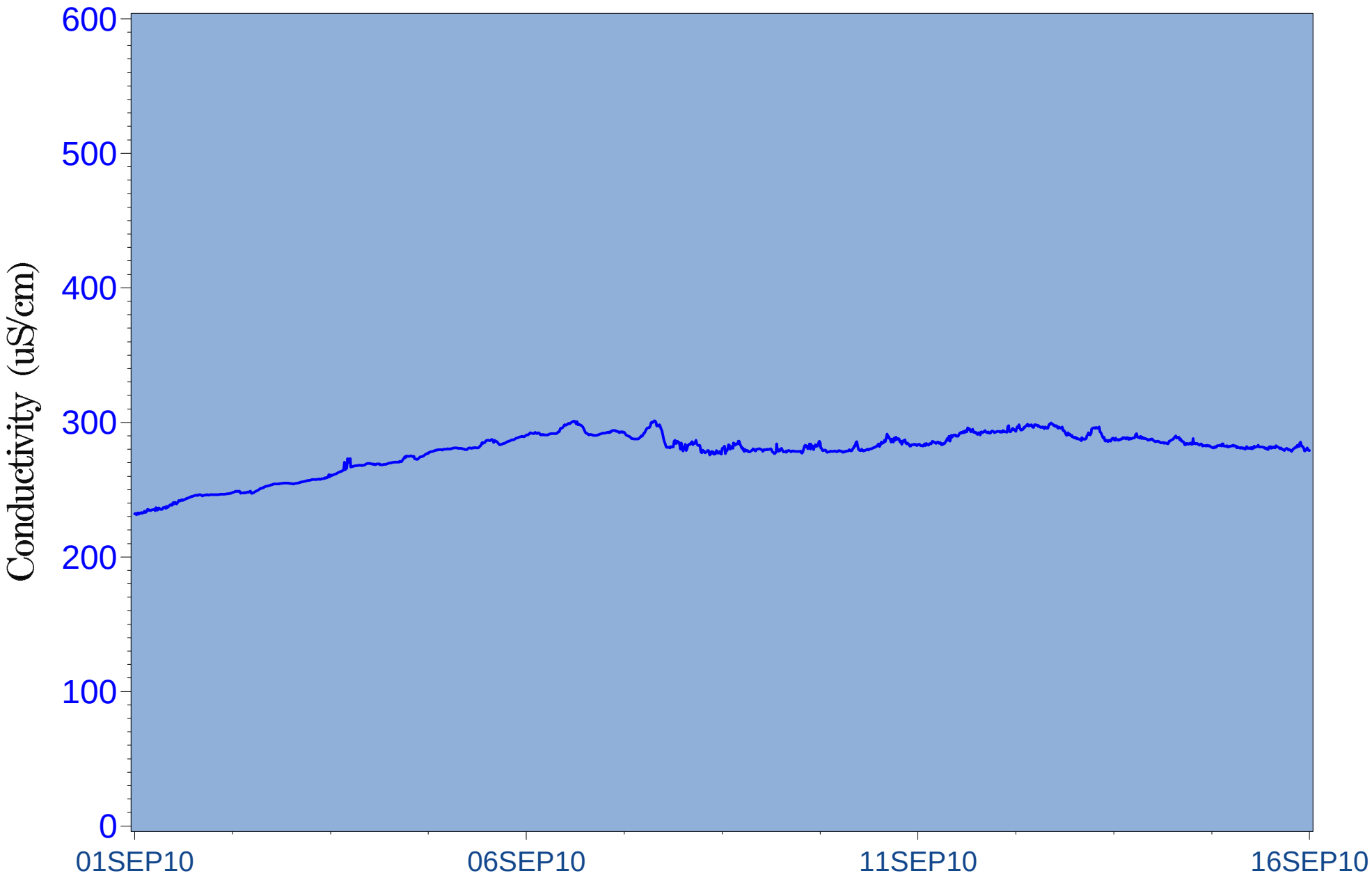


Figure 5.55 September 2010 15-minute surface conductivities
Manatee Marker - River Kilometer = 21.9

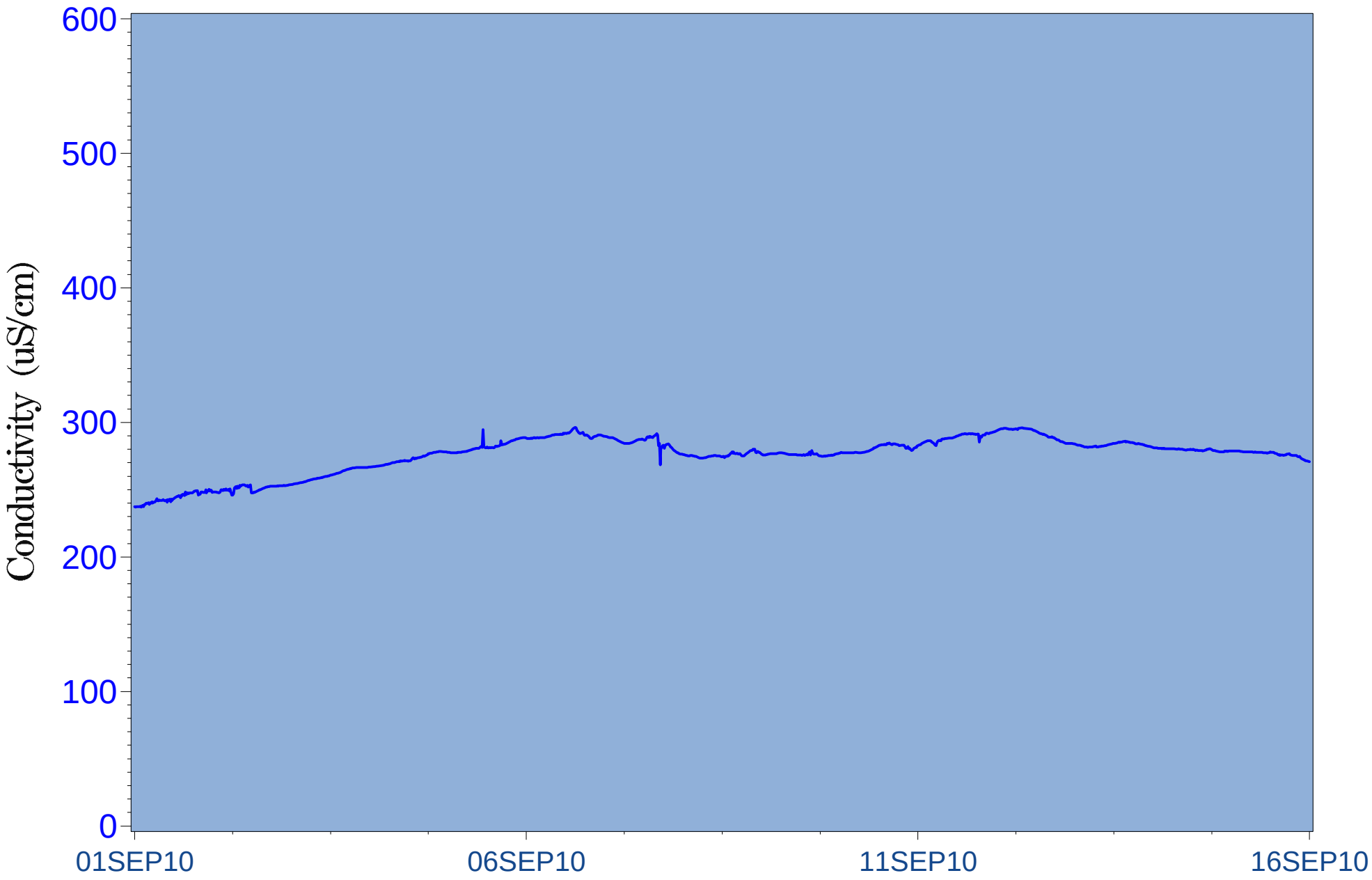


Figure 5.56 September 2010 15-minute surface conductivities
Manatee Marker - River Kilometer = 24.5

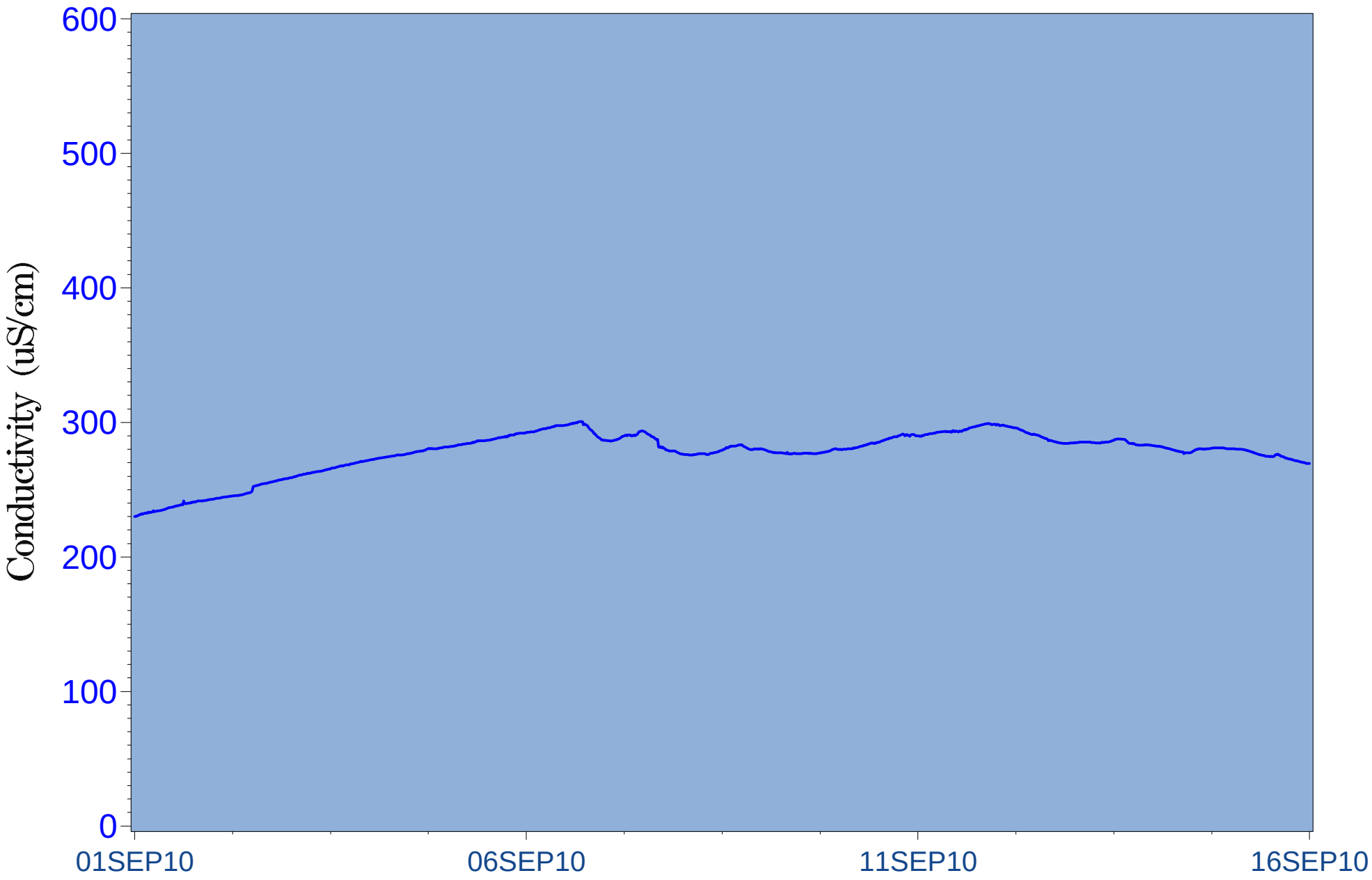


Figure 5.57 September 2010 15-minute surface conductivities
Manatee Marker just upstream of the Facility - River Kilometer = 30.6

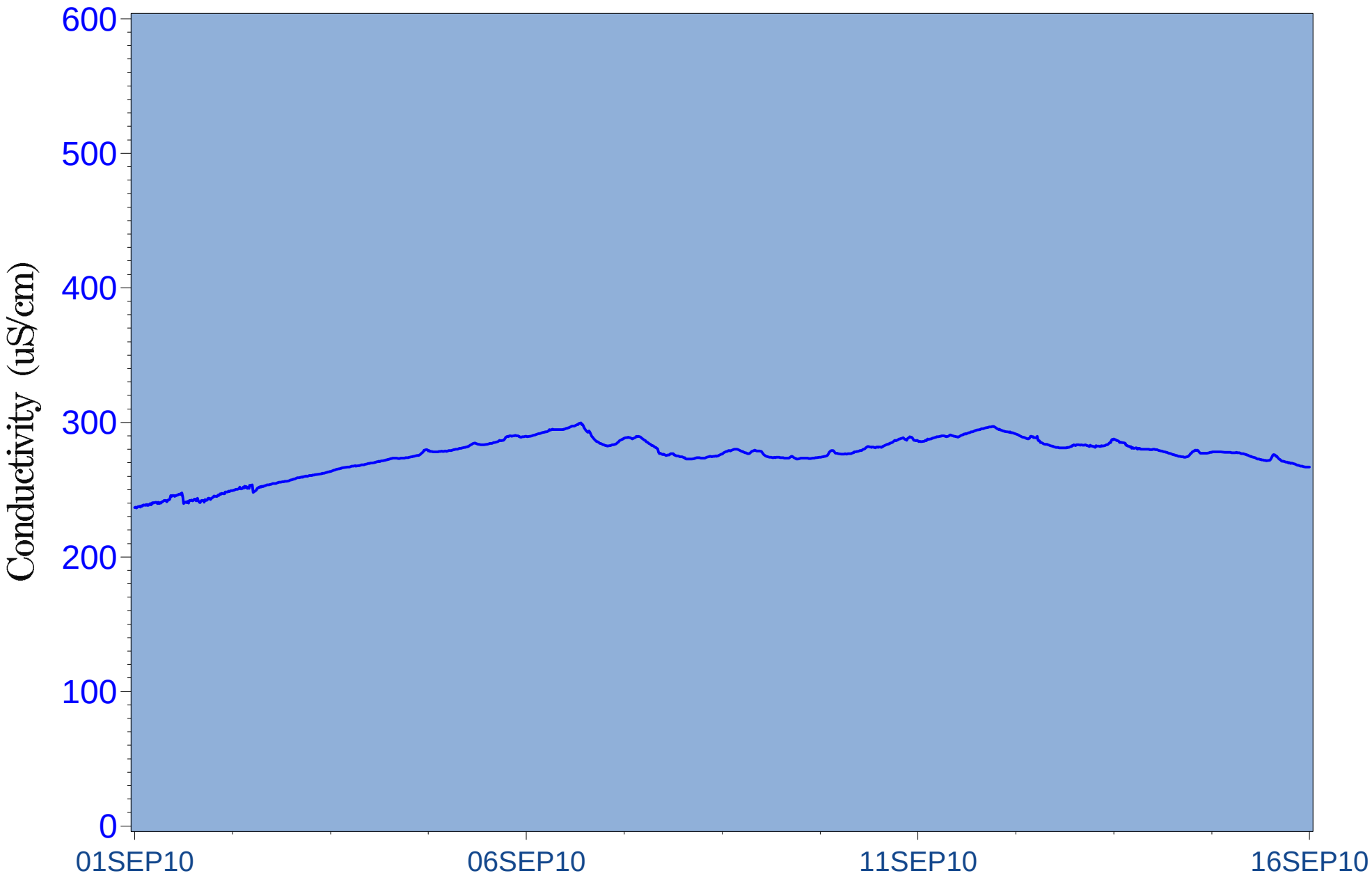


Figure 5.58 September 2010 15-minute surface conductivities
Old Railroad Bridge - River Kilometer = 31.7

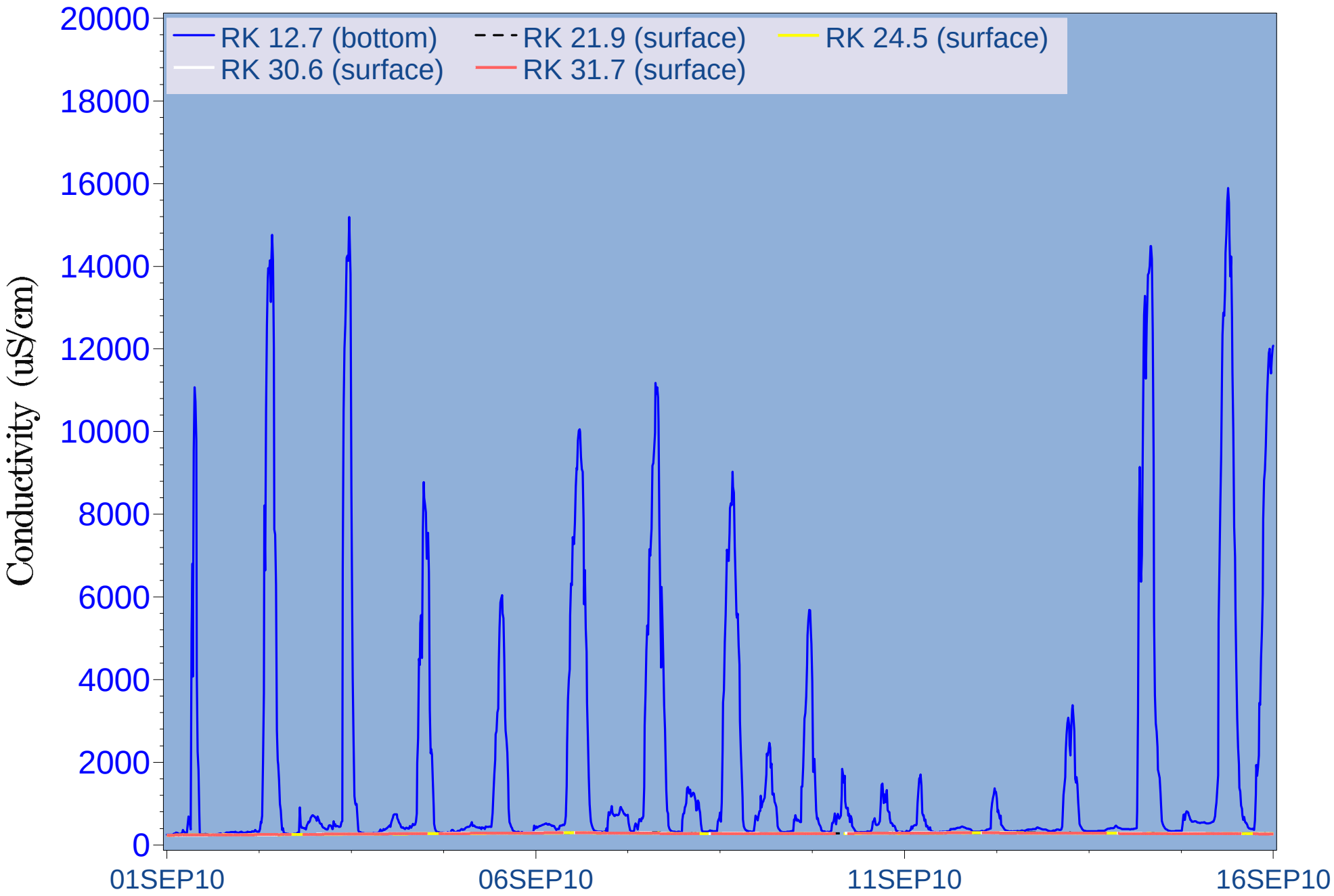


Figure 5.59 September 2010 15-minute surface conductivities at HBMP continuous recorders

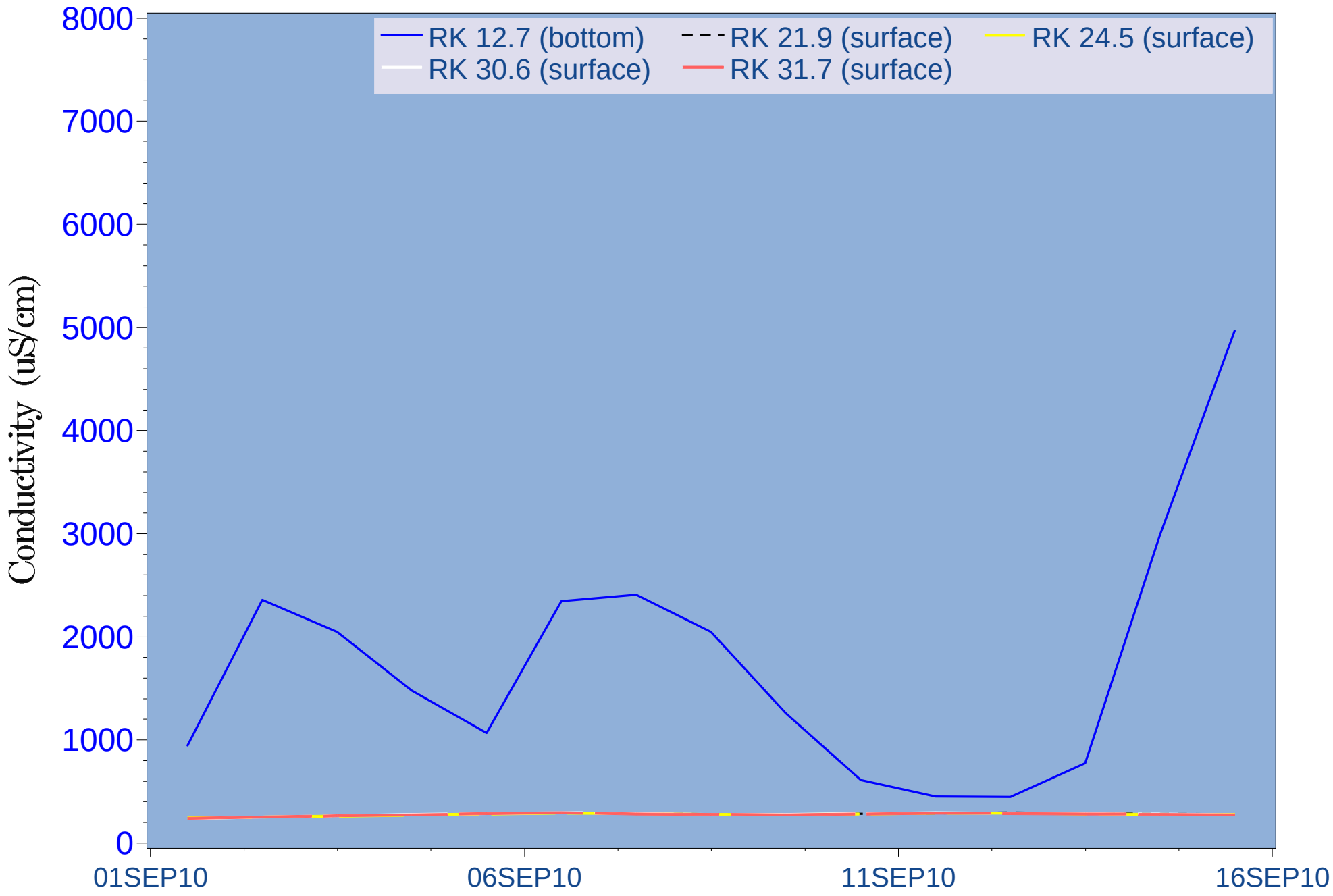


Figure 5.60 September 2010 daily mean surface conductivities at HBMP continuous recorders

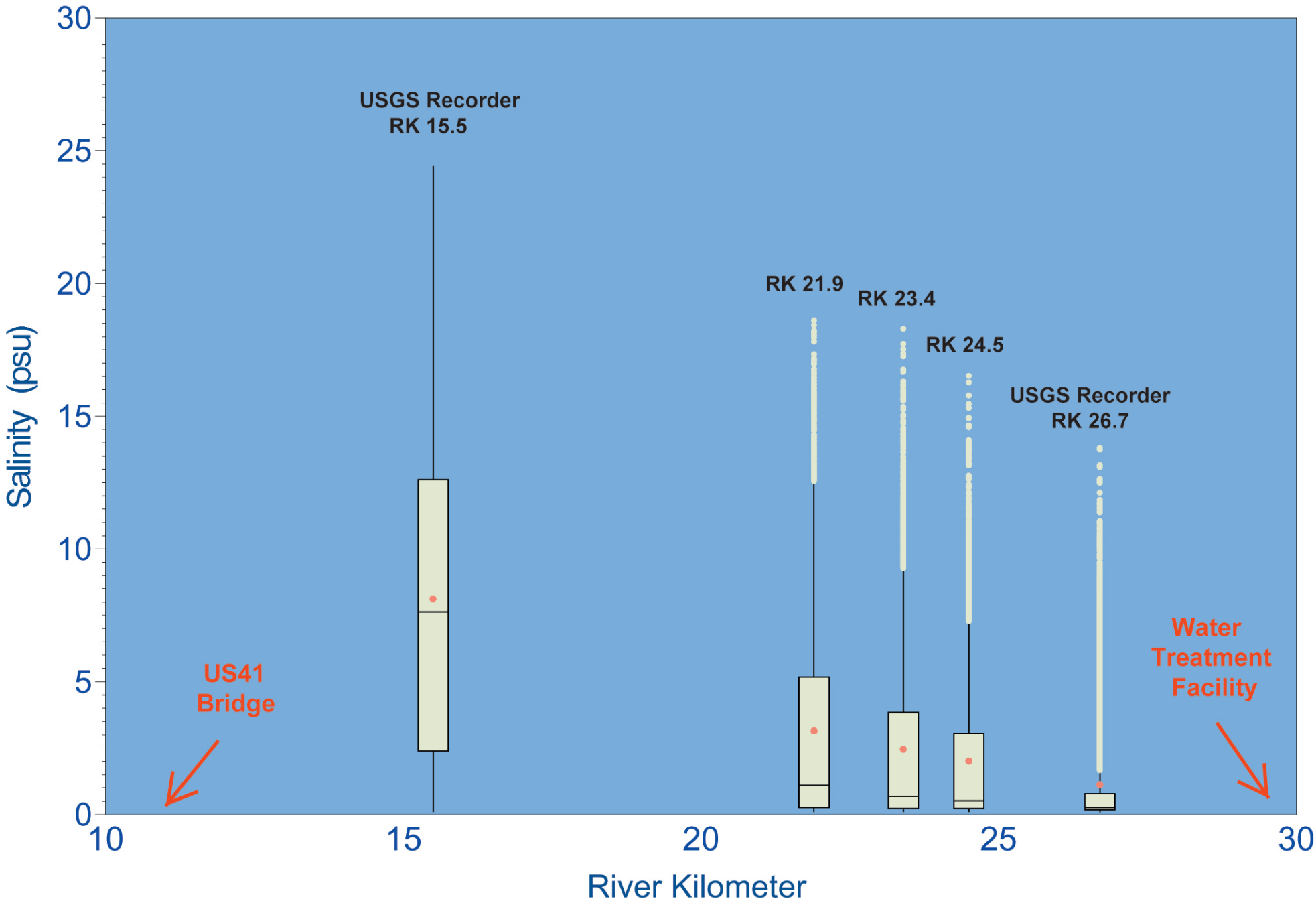


Figure 5.61 Box and whisker plots of anual variability in surface salinity during 2006 at the five continuous recorders

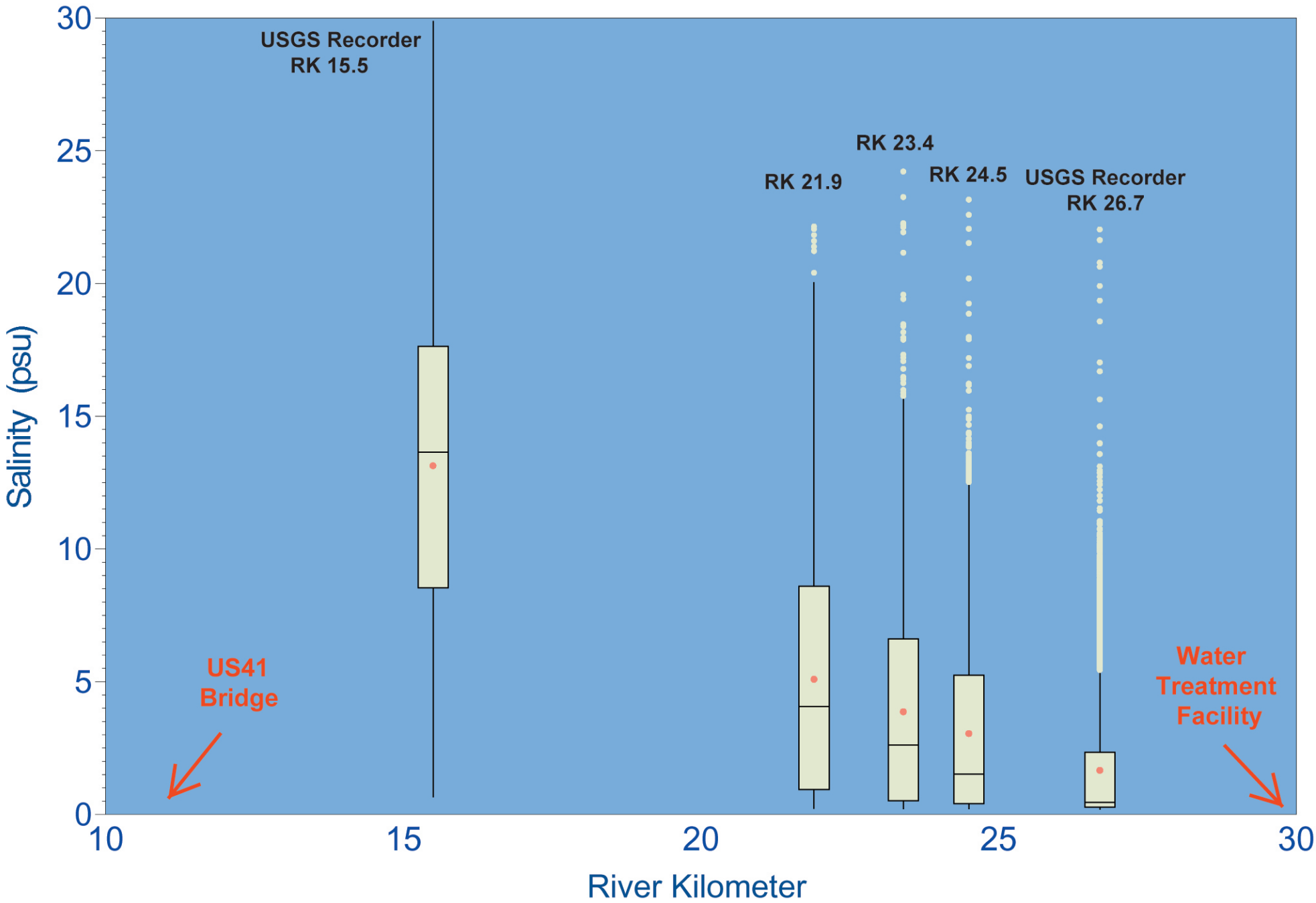


Figure 5.62 Box and whisker plots of anual variability in surface salinity during 2007 at the five continuous recorders

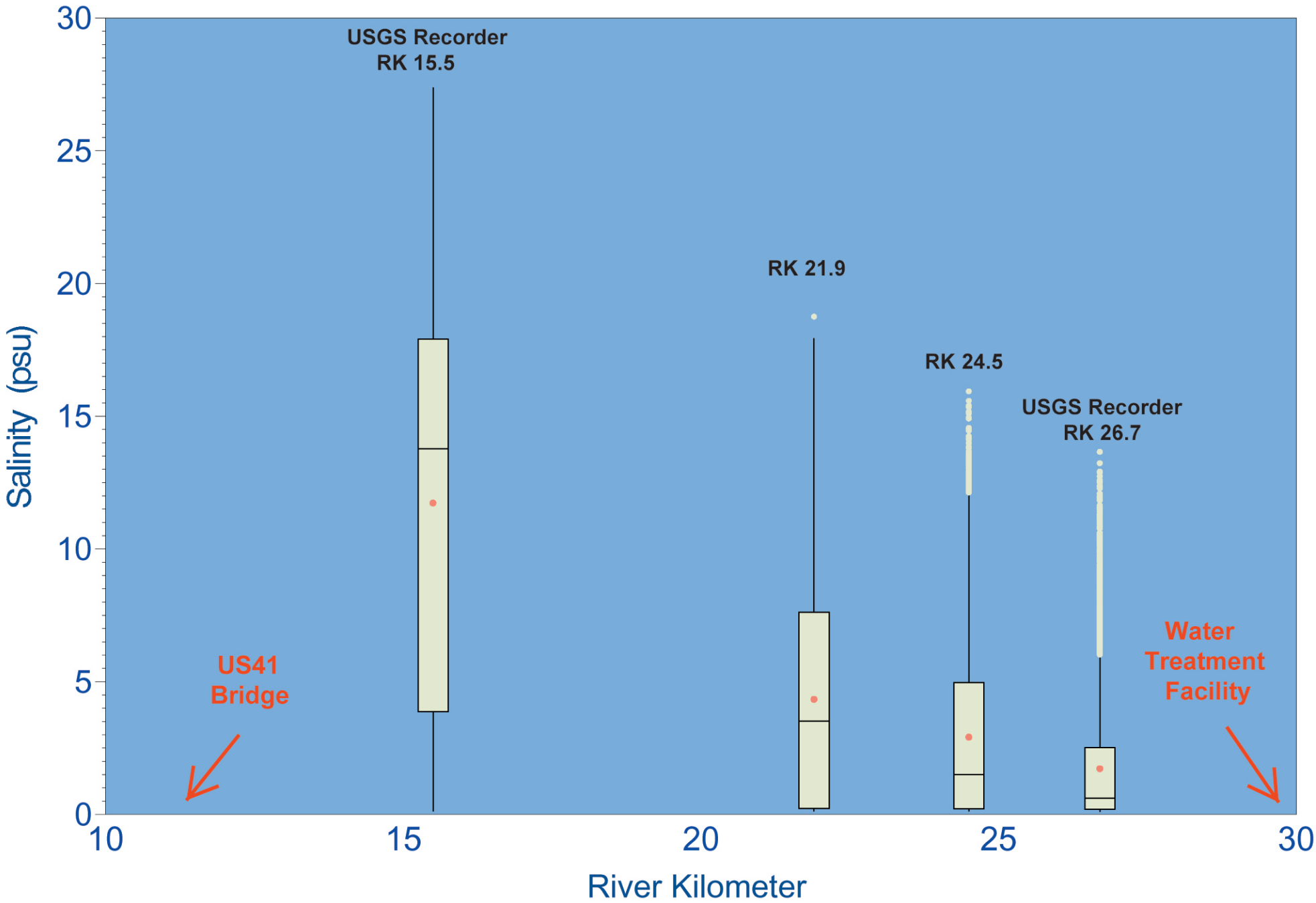


Figure 5.63 Box and whisker plots of anual variability in surface salinity during 2008 at the four continuous recorders

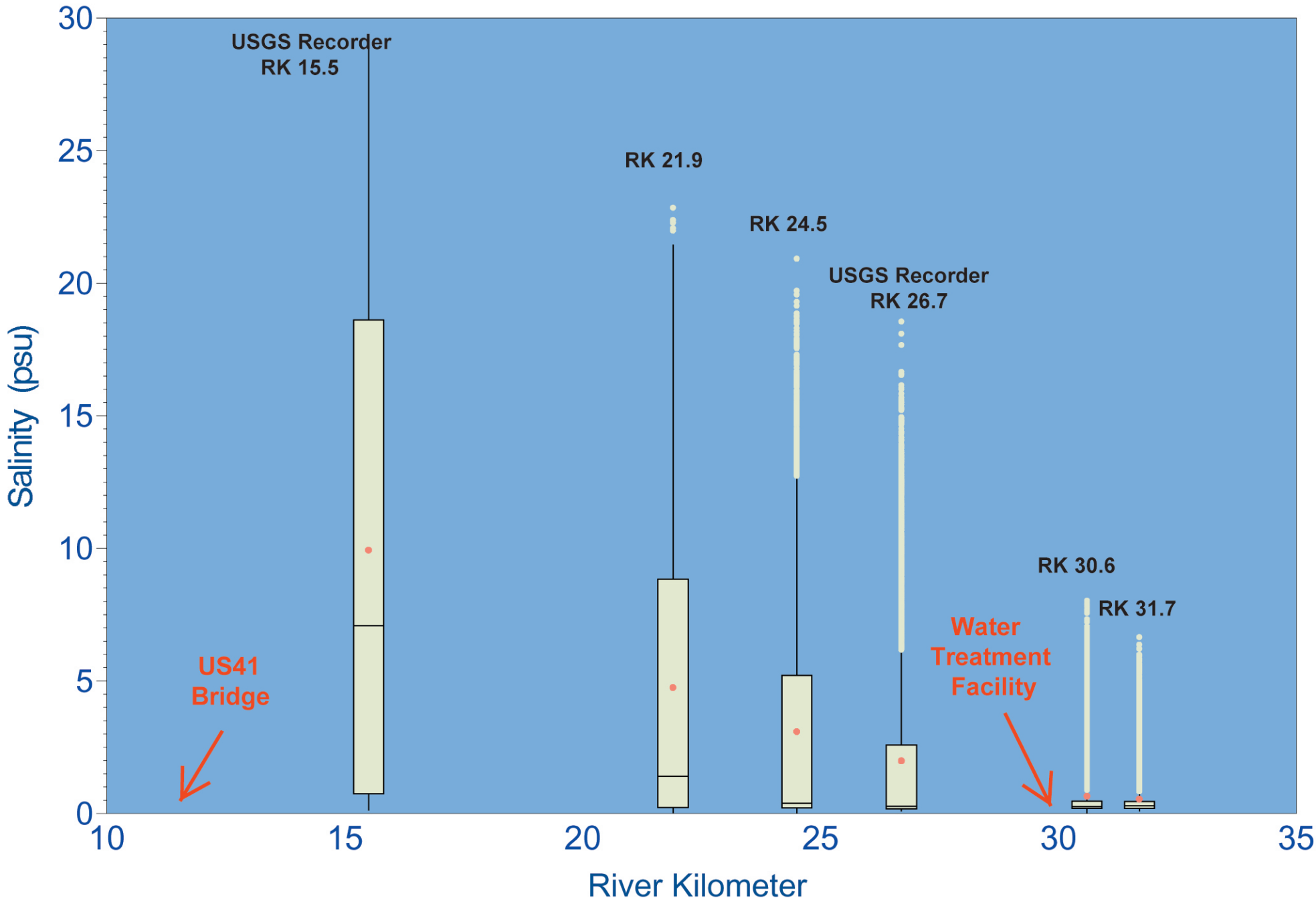


Figure 5.64 Box and whisker plots of anual variability in surface salinity during 2009 at the six continuous recorders

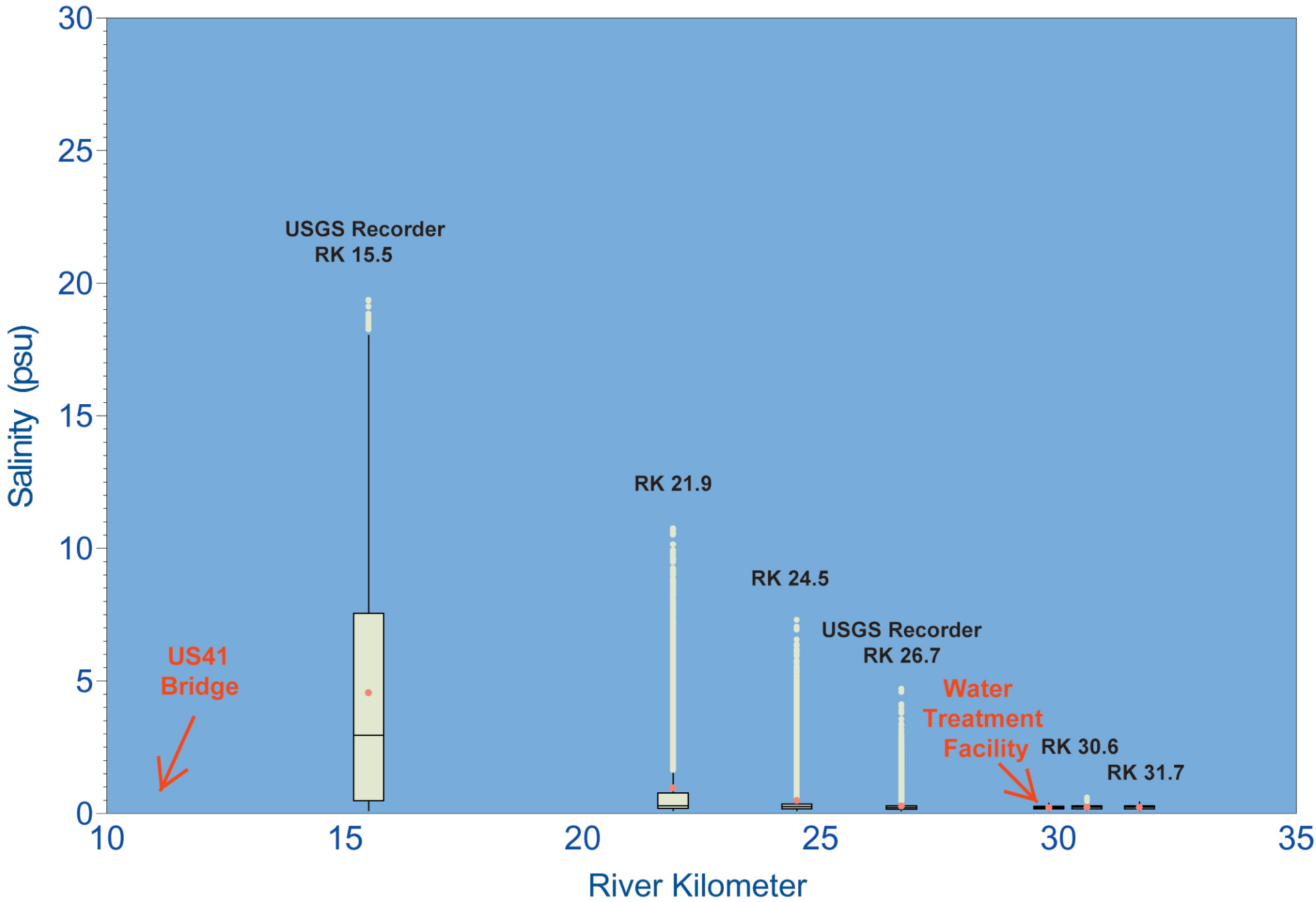


Figure 5.65 Box and whisker plots of anual variability in surface salinity during 2010 at the seven continuous recorders

Figure 6.1 Conceptual Model of Impact of Surface Water Withdrawals

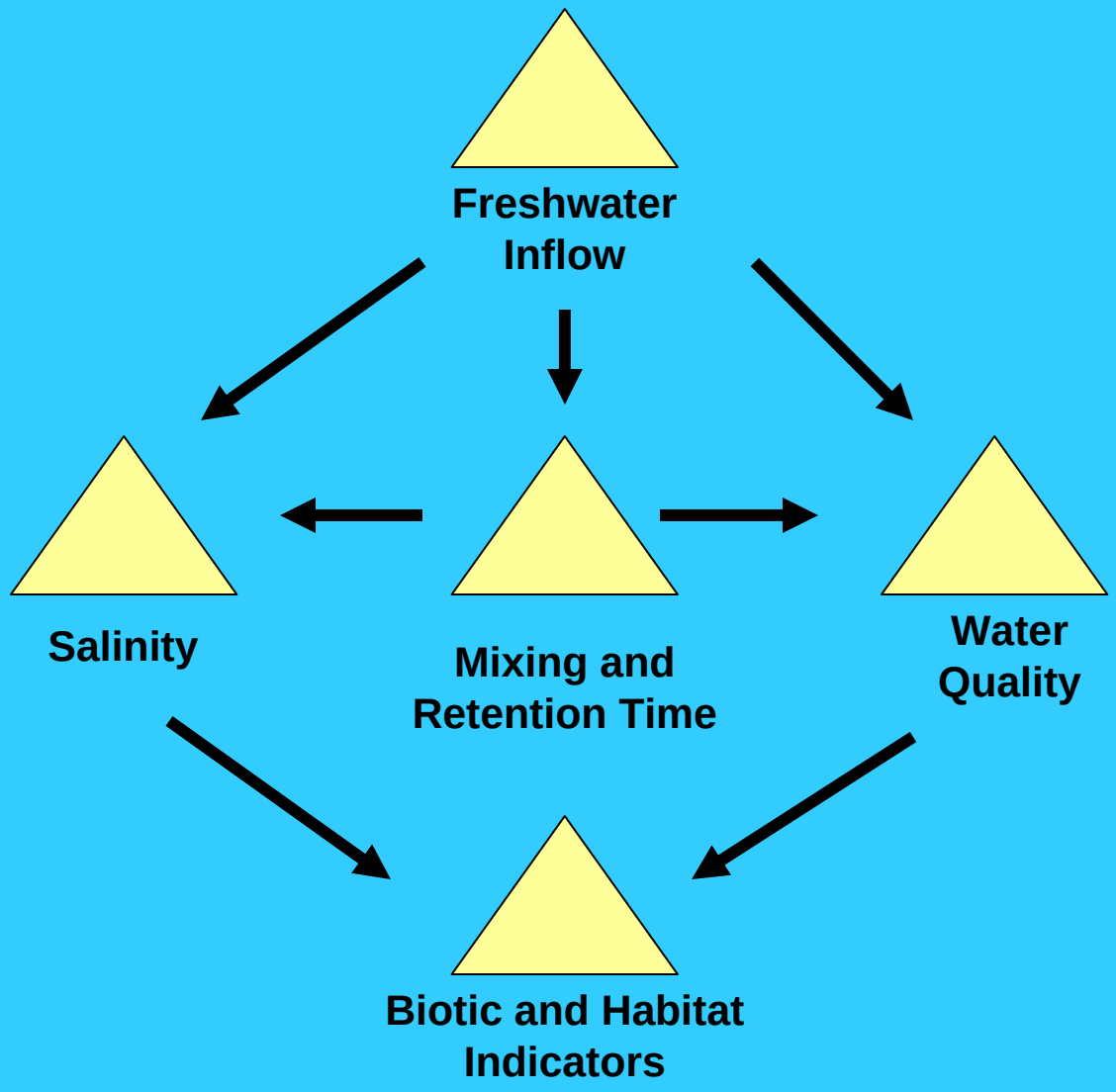


Figure 6.2 Conceptual Illustration of a Salinity Target Range

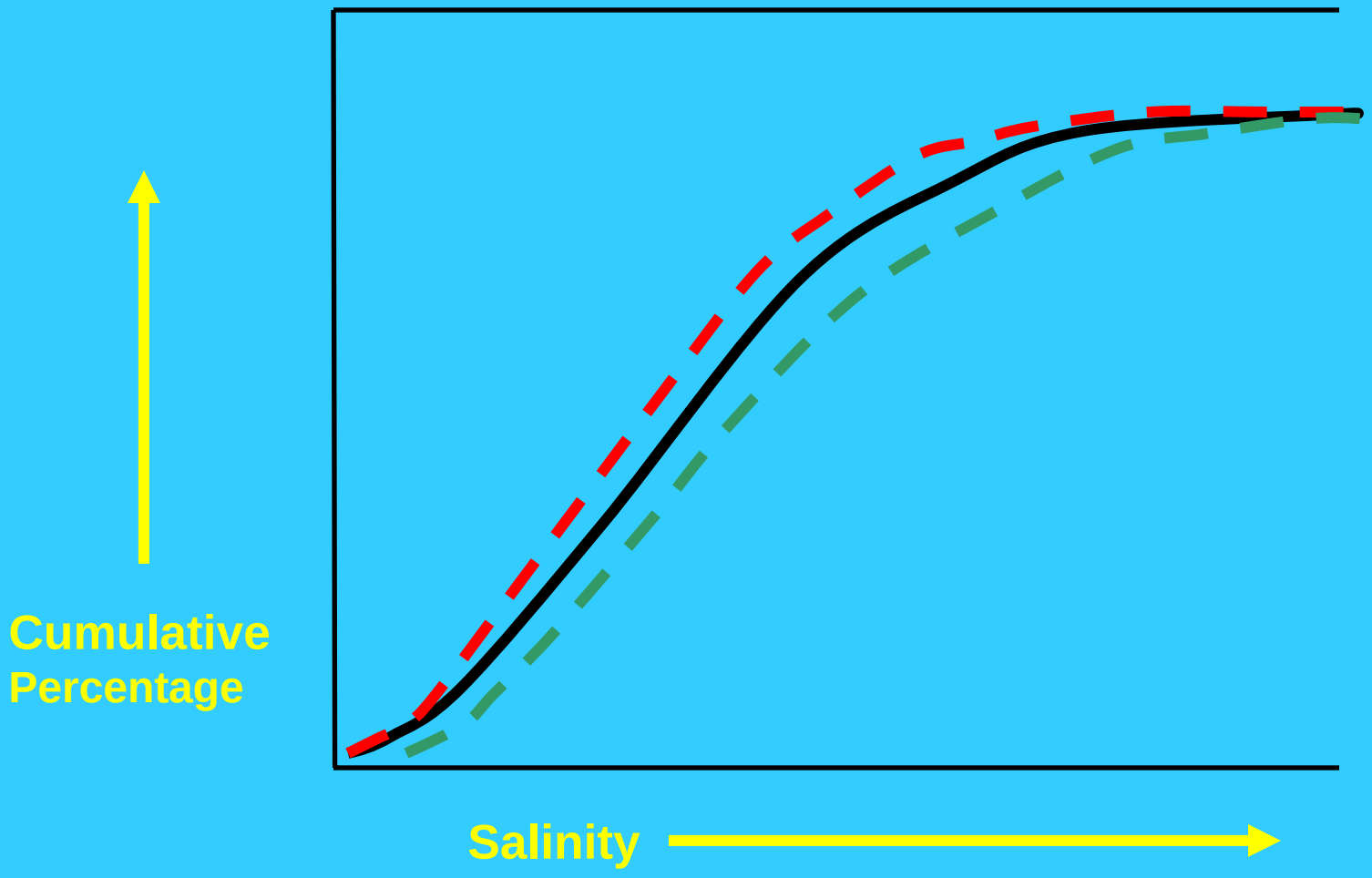
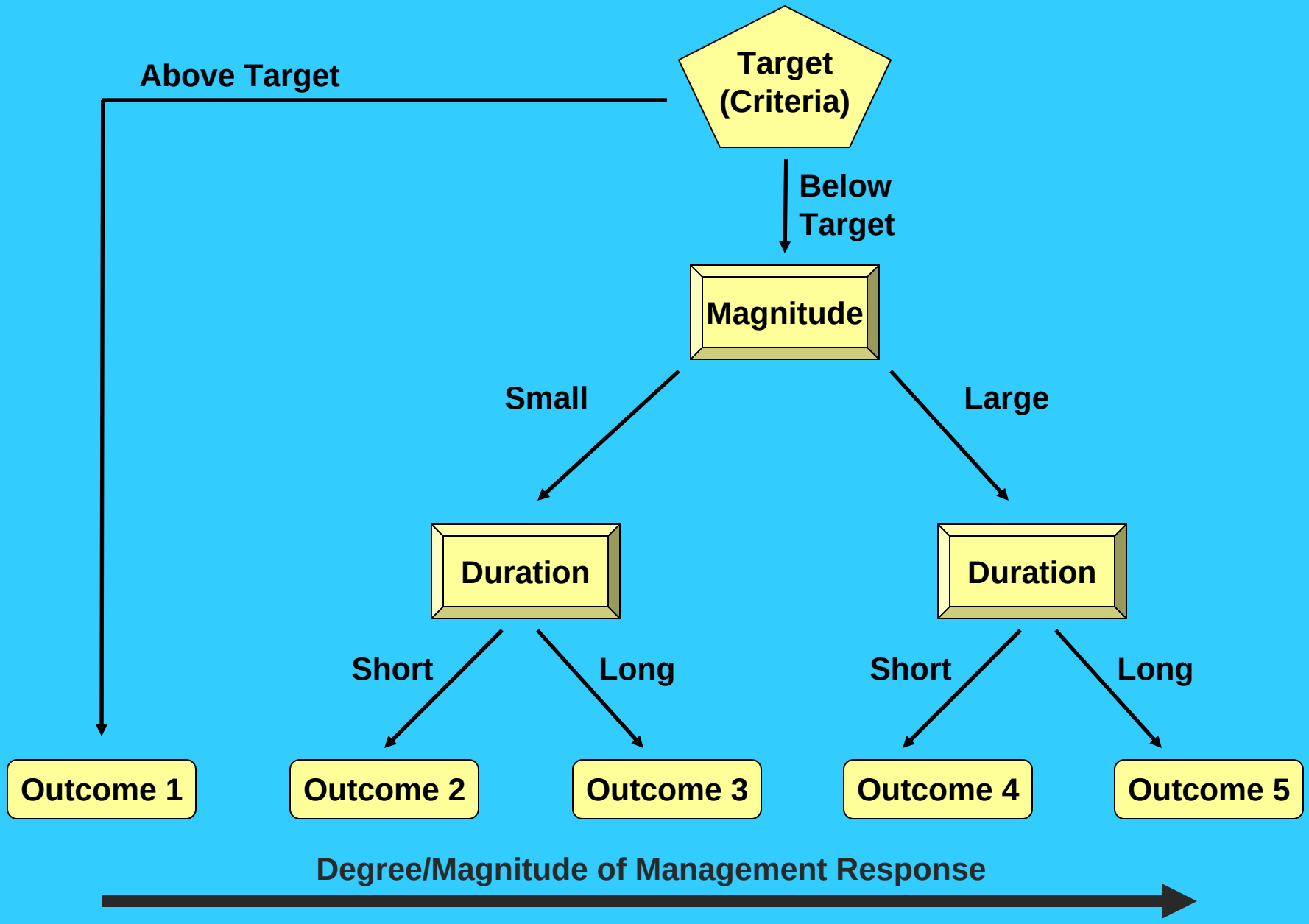


Figure 6.3 Conceptual Design Tree for Evaluating Changes



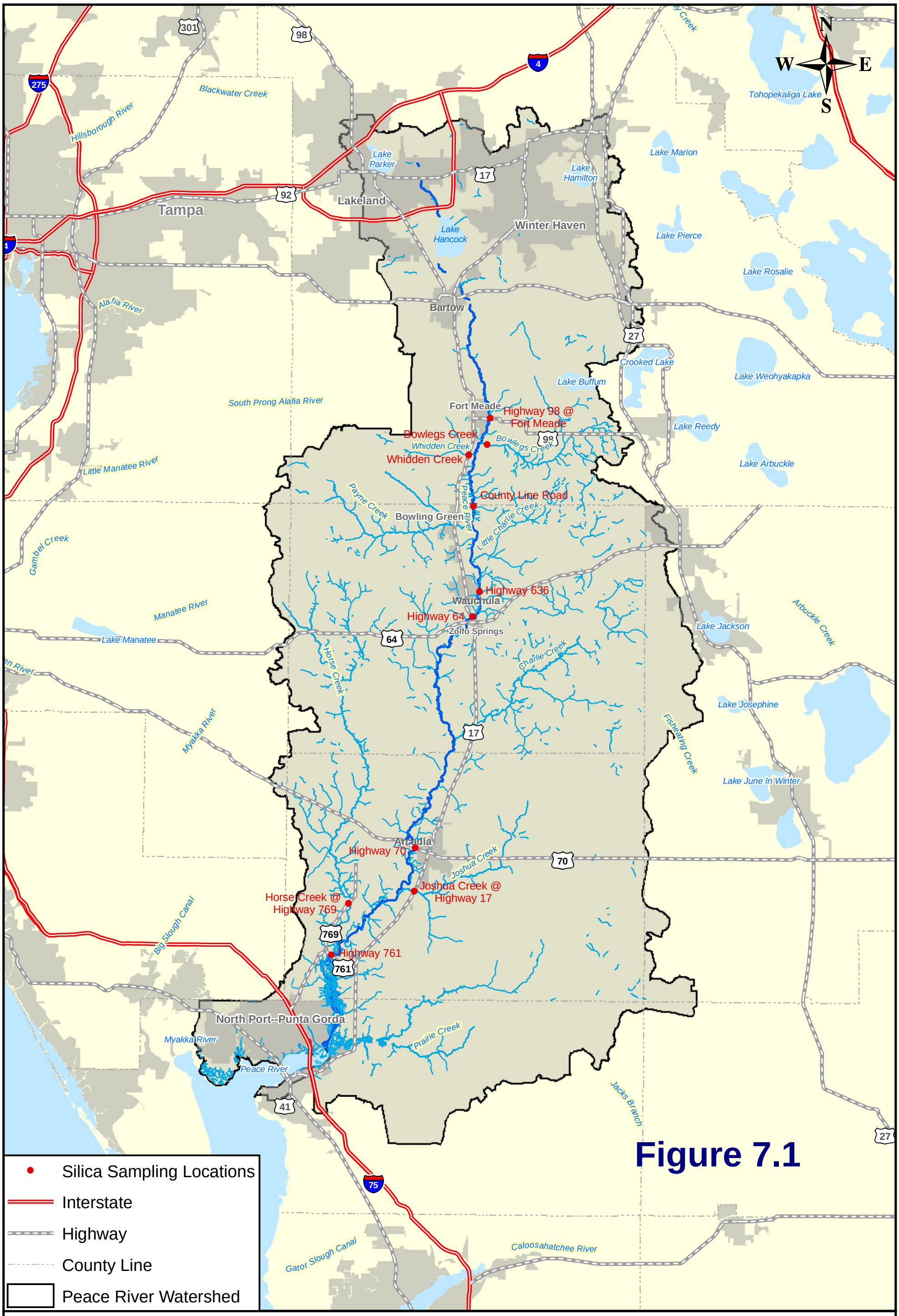


Figure 7.1

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PROJECT NO: 00100.5
AERIAL: N/A
SCALE : 1"=39200'

Silica Sampling Location Map
Peace River Basin, Florida

EarthBalance®
2579 North Toledo Blade Blvd.
North Port, FL 34289
Tel (941) 426-7878
Fax (941) 426-8778
www.earthbalance.com

Whidden Creek Basin - Mining Activities in Relation to SWFWMD Monitoring Location; WBID 1751

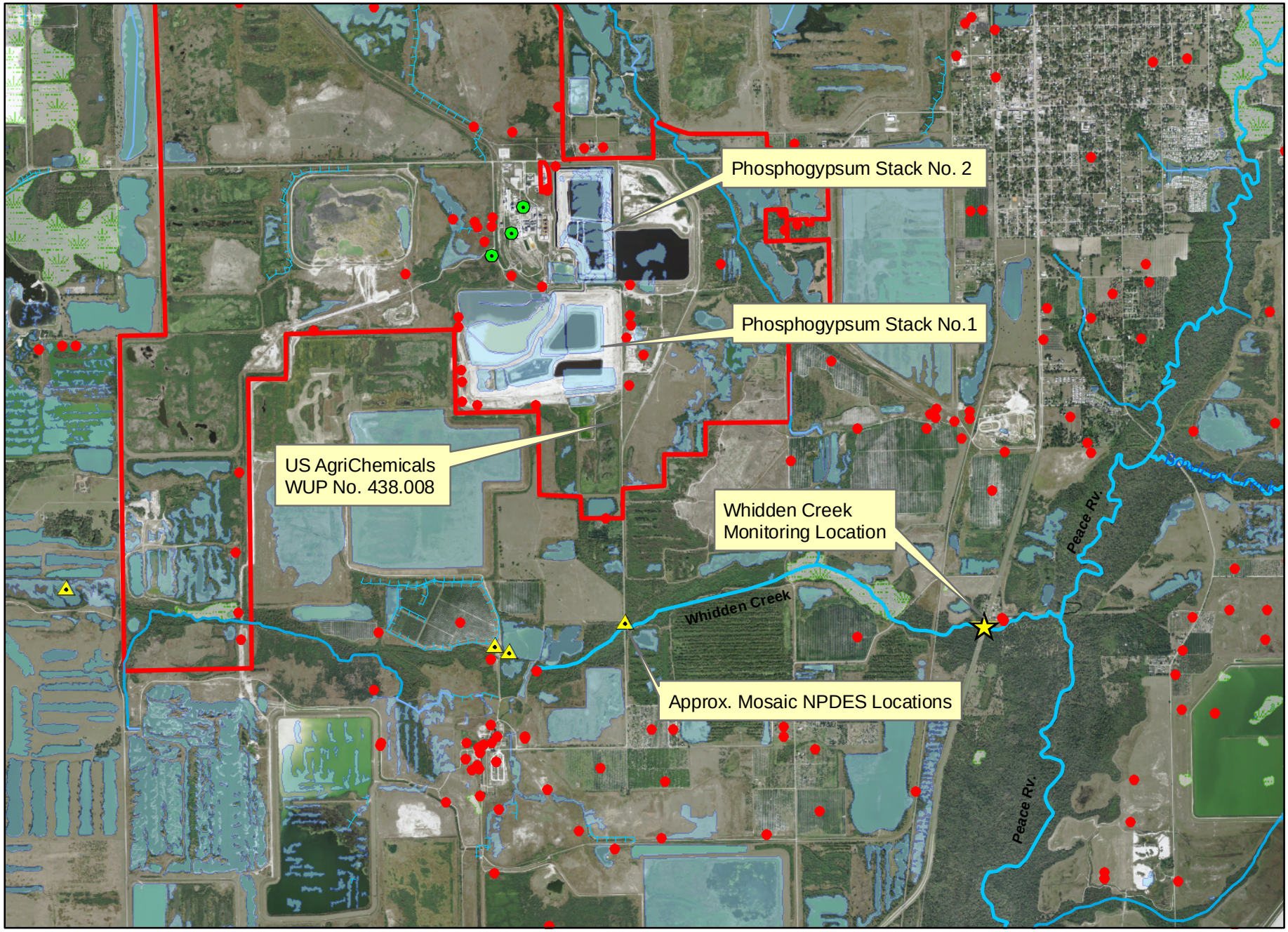

Figure 7.2

Figure 7.3a
Phosphogpsum Stack #1

Figure 7.3b
Phosphogpsum Stack #2