

APPENDIX: SITE DATA FOR 2019 SALT LAKE COUNTY WATER QUALITY ANNUAL REPORT

A summary of the health and quality of streams in Salt Lake County



Prepared by:
Salt Lake County Watershed Planning & Restoration Program
2001 South State Street, Suite N3-120, Salt Lake City UT 84190
<https://slco.org/watershed/>

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INTRODUCTION

The data displayed in this appendix was used for creation of the 2019 Salt Lake County Water Quality Annual Report. All samples were collected within the Jordan River Watershed by the Salt Lake County Watershed Planning & Restoration Program (WPRP) and have gone through the QA/QC process outlined in the applicable WPRP Sampling Analysis Plan. This document also aims to identify and explain any assumptions that were taken in data collection and analysis.

There are three main data sets displayed for the purpose of this document: Bacteria sampling (*E. coli*), Macroinvertebrate Sampling (BCG and KARR-BIBI scores) and Field Chemistry Sampling (Temperature, Dissolved Oxygen, pH, Conductivity and Turbidity). Sample sites are determined in a variety of ways depending on flow regime, stakeholder interest, water withdrawal/return, and more. Sites are listed as “Active”, “Inactive” or left blank depending on sampling status for a specific parameter. “Active” indicates the site was sampled for the listed parameter that water year. “Inactive” indicates that there is historic data for a specific parameter, but it was not sampled during the timeframe the report analyzes. A blank field indicates that no data has been collected for that parameter. There is no column to indicate Field Parameter Sampling but with every Bacteria and Macroinvertebrate sample a Field Parameter Sample is collected.

Active *E. coli* sampling locations are greater in number and sampling frequency. Because of this there are ample results to compare from year to year with *E. coli* and field parameter data. In the document below, *E. coli* samples sites have been used to create most of the graphs for both bacteria and field chemistry data. Macroinvertebrate sampling occurs once per year and yields relative scores (BCG and KARR-BIBI) related to environmental health. This document contains an abridged version of the macroinvertebrate results from 2019 but the final report can be found by contacting WPRP staff. In 2019 some macroinvertebrate samples were collected after the end of water year 2019 (October and November). These samples were part of 2019 macroinvertebrate collection and, although they fall out of the constraints of 2019 water year, they are used for the 2019 report.

EXPLANATION OF MACROINVERTEBRATE MAPS

Macroinvertebrate samples have been broken down into two parameters, Karr-BIBI and Biological Condition Gradient (BCG). These two scales use different indicator species and relationships to look at water quality and ecosystem integrity at a given sampling location. Karr-BIBI ranges from 10-50 with 10 being the lowest value and 50 being the highest. BCG ranges from 6- to 1+, with 6- as the lowest value and 1+ being the highest. The maps for these sites coordinate color schemes to match between the two scales to avoid confusion. Location graphs are grouped by subwatershed to best show downstream trends.

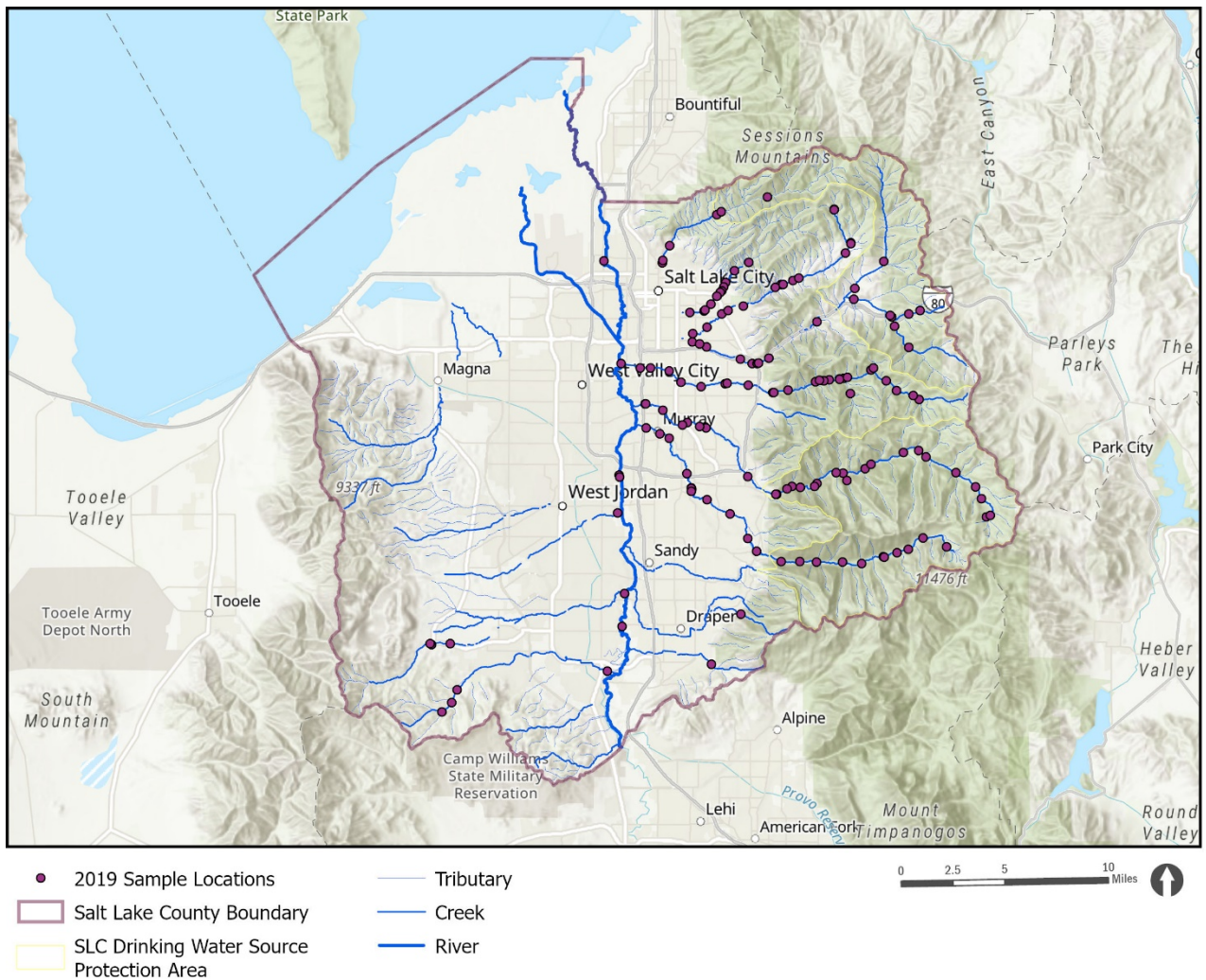
EXPLANATION OF *E. COLI* & FIELD PARAMETER GRAPHS

The graphs for each sampling site show parameters collected within the 2019 water year (October 2018-September 2019). At each of these sites *E. coli* and field chemistry parameters were collected. If data did

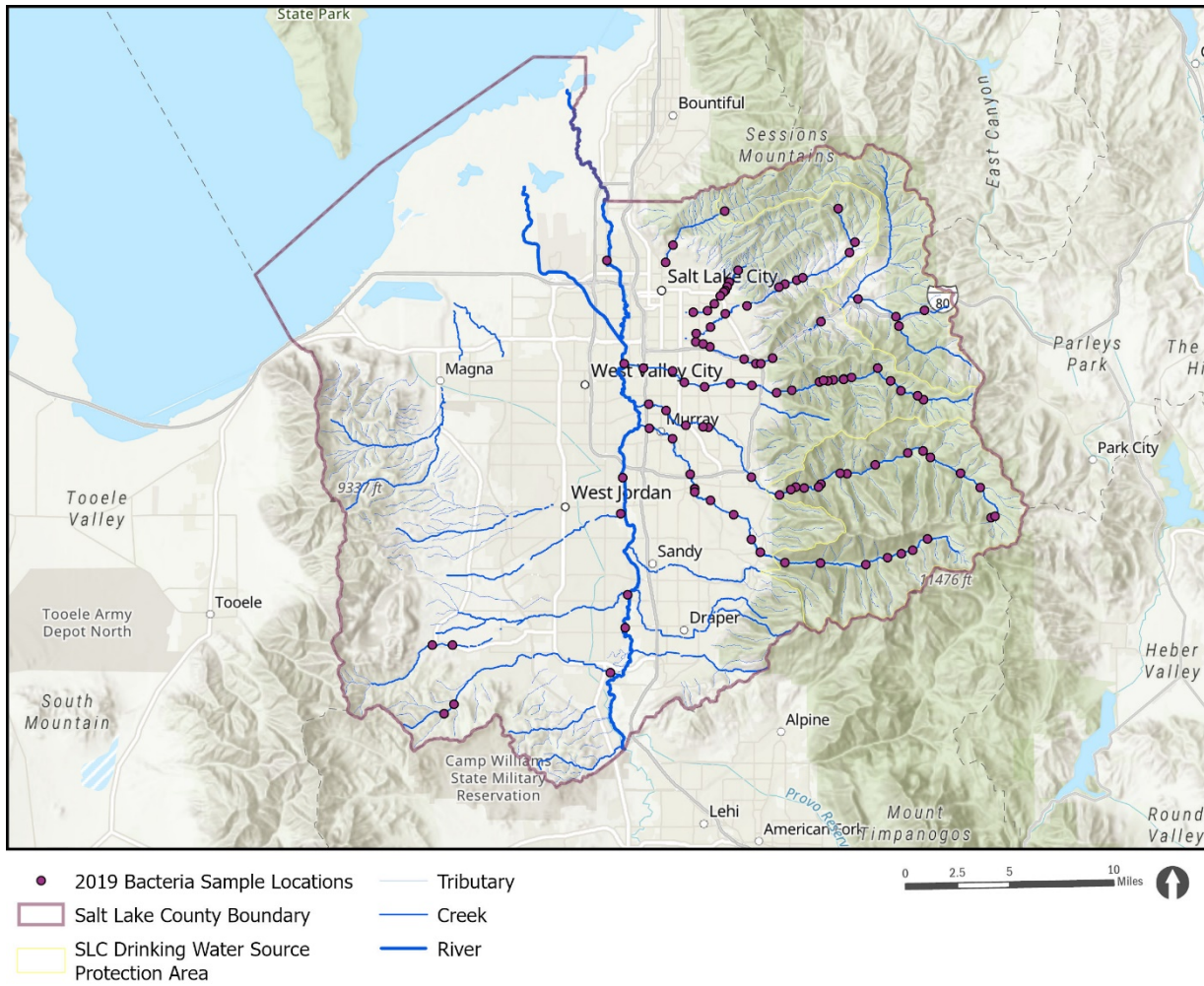
not meet QA/QC standards or collection was not possible no data is displayed for that sampling event. *E. coli* graphs show two thresholds for MPN (most probable number). Thresholds of MPN=206 (yellow) and MPN=668 (red) were generated by Utah DWQ as chronic and acute limits on *E. coli* in a stream. Salt Lake County WPRP aims to look at changes in *E. coli* over time, but the thresholds have been added to show scale. For all field chemistry parameters, a dashed yellow threshold has been added. This threshold represents the average number of all samples in our database at that sampling location.

SALT LAKE COUNTY WATERSHED

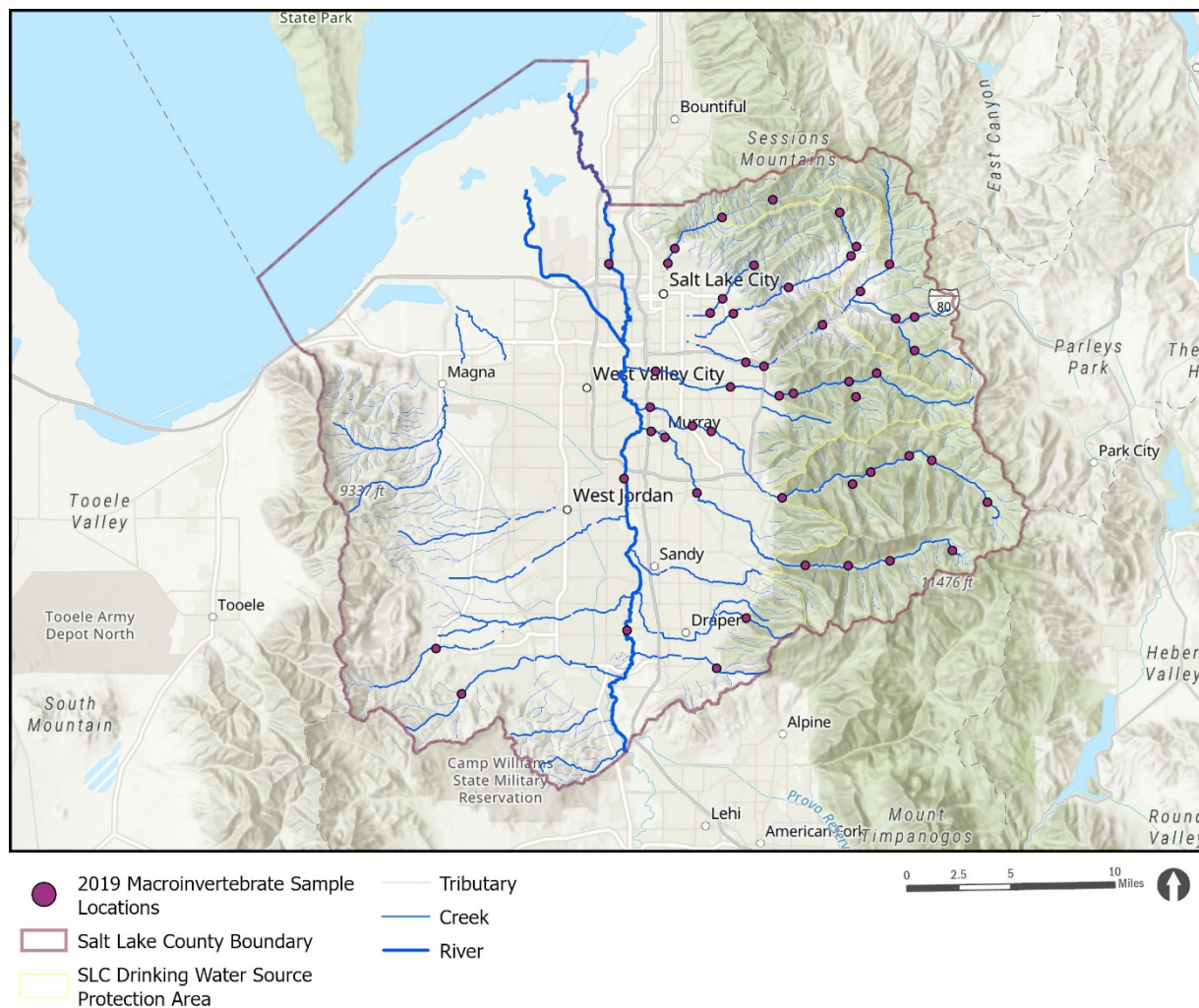
All Sample Sites



Bacteria Sample Sites



Macroinvertebrate Sample Sites



Sample Location List

| SiteID | Macro | Bacteria | Stream Name | Subwatershed Name | Latitude | Longitude |
|----------|-------|----------|----------------------|-----------------------------------|-----------|-------------|
| BC_00.61 | ✓ | | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.681014 | -111.899912 |
| BC_00.70 | | ✓ | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.681063 | -111.899608 |
| BC_01.94 | | | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.676645 | -111.883688 |
| BC_03.44 | | | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.66654 | -111.865457 |
| BC_03.73 | ✓ | | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.668044 | -111.86115 |
| BC_04.44 | | | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.665594 | -111.849844 |
| BC_04.73 | | ✓ | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.664956 | -111.844861 |
| BC_04.81 | ✓ | | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.664547 | -111.843859 |
| BC_08.83 | | ✓ | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.630691 | -111.805367 |
| BC_10.60 | | | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.618277 | -111.779708 |
| BC_10.64 | ✓ | | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.618267 | -111.779063 |
| BC_11.23 | | | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.622108 | -111.769645 |

| SiteID | Macro | Bacteria | Stream Name | Subwatershed Name | Latitude | Longitude |
|----------|-------|----------|----------------------|-----------------------------------|-----------|-------------|
| BC_11.57 | | | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.62394 | -111.764948 |
| BC_11.99 | | ✓ | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.622994 | -111.757467 |
| BC_12.93 | | | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.623915 | -111.74415 |
| BC_13.18 | | | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.625994 | -111.741989 |
| BC_14.49 | | | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.63352 | -111.724321 |
| BC_14.84 | | | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.63325 | -111.718303 |
| BC_16.08 | ✓ | | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.636359 | -111.697854 |
| BC_16.42 | | | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.639256 | -111.692443 |
| BC_18.30 | ✓ | | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.647547 | -111.66291 |
| BC_19.23 | | ✓ | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.648938 | -111.648723 |
| BC_19.96 | ✓ | | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.644558 | -111.642002 |
| BC_21.79 | | | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.633569 | -111.614605 |
| BC_23.14 | | | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.62365 | -111.596383 |
| BC_23.85 | ✓ | | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.615479 | -111.591121 |
| BC_25.12 | | | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.603707 | -111.582848 |
| BC_25.97 | | ✓ | Big Cottonwood Creek | Big Cottonwood Creek Subwatershed | 40.602739 | -111.586641 |
| BG_00.22 | | ✓ | Bingham Creek | Bingham Creek Subwatershed | 40.604927 | -111.92466 |
| BR_14.39 | ✓ | | Burr Fork | Emigration Creek Subwatershed | 40.817207 | -111.726936 |
| BR_14.44 | | ✓ | Burr Fork | Emigration Creek Subwatershed | 40.81729 | -111.726961 |
| BU_04.23 | | ✓ | Butterfield Creek | Midas Creek Subwatershed | 40.513018 | -112.077541 |
| BU_05.18 | ✓ | | Butterfield Creek | Midas Creek Subwatershed | 40.512222 | -112.094305 |
| BU_05.29 | | ✓ | Butterfield Creek | Midas Creek Subwatershed | 40.51297 | -112.09604 |
| CC_02.62 | | ✓ | City Creek | City Creek Subwatershed | 40.779748 | -111.884467 |
| CC_02.76 | ✓ | | City Creek | City Creek Subwatershed | 40.781342 | -111.884355 |
| CC_03.65 | ✓ | ✓ | City Creek | City Creek Subwatershed | 40.79158 | -111.878068 |
| CC_07.01 | ✓ | | City Creek | City Creek Subwatershed | 40.813378 | -111.834966 |
| CC_07.31 | | | City Creek | City Creek Subwatershed | 40.815303 | -111.830552 |
| CC_10.09 | ✓ | | City Creek | City Creek Subwatershed | 40.82593 | -111.788507 |
| CY_05.15 | ✓ | | Corner Canyon Creek | Corner Canyon Creek Subwatershed | 40.499542 | -111.838374 |
| EM_01.62 | | ✓ | Emigration Creek | Emigration Creek Subwatershed | 40.73031 | -111.856664 |
| EM_02.54 | | ✓ | Emigration Creek | Emigration Creek Subwatershed | 40.734736 | -111.843573 |
| EM_03.67 | | ✓ | Emigration Creek | Emigration Creek Subwatershed | 40.744088 | -111.82981 |
| EM_04.17 | ✓ | | Emigration Creek | Emigration Creek Subwatershed | 40.746568 | -111.824122 |
| EM_05.17 | | ✓ | Emigration Creek | Emigration Creek Subwatershed | 40.74958 | -111.81012 |
| EM_07.30 | | ✓ | Emigration Creek | Emigration Creek Subwatershed | 40.762803 | -111.781013 |
| EM_07.79 | | ✓ | Emigration Creek | Emigration Creek Subwatershed | 40.764776 | -111.775199 |
| EM_07.87 | ✓ | | Emigration Creek | Emigration Creek Subwatershed | 40.76494 | -111.773777 |
| EM_08.50 | | | Emigration Creek | Emigration Creek Subwatershed | 40.767507 | -111.764722 |
| EM_08.93 | | ✓ | Emigration Creek | Emigration Creek Subwatershed | 40.769411 | -111.75906 |
| EM_11.87 | | ✓ | Emigration Creek | Emigration Creek Subwatershed | 40.786736 | -111.716377 |
| EM_11.89 | ✓ | | Emigration Creek | Emigration Creek Subwatershed | 40.786973 | -111.716159 |

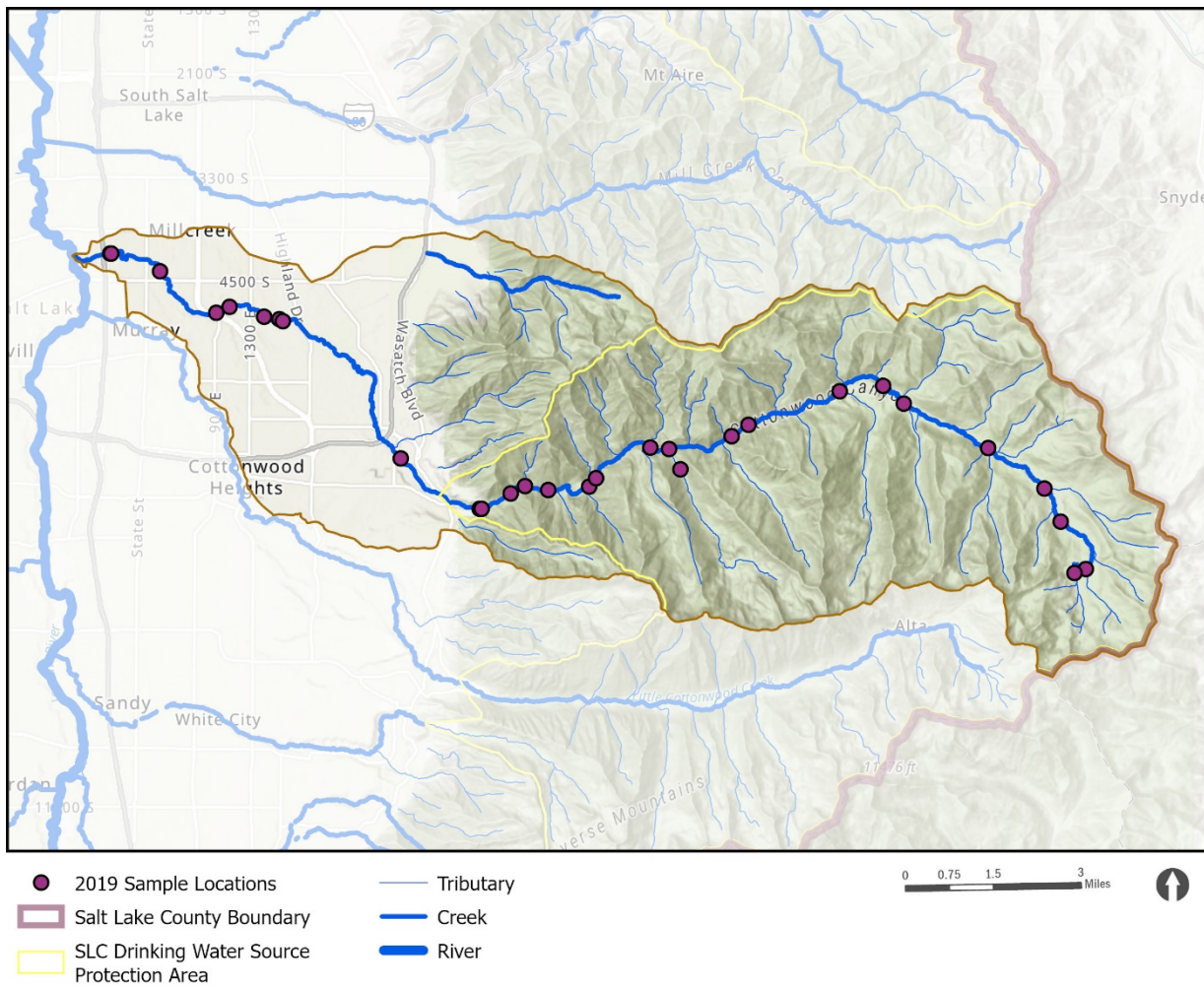
| SiteID | Macro | Bacteria | Stream Name | Subwatershed Name | Latitude | Longitude |
|----------|-------|----------|-------------------------|--------------------------------------|-----------|-------------|
| JR_08.77 | ✓ | ✓ | Jordan River | Jordan River Corridor Subwatershed | 40.780855 | -111.938376 |
| JR_22.98 | ✓ | | Jordan River | Jordan River Corridor Subwatershed | 40.631071 | -111.9237 |
| JR_23.34 | | ✓ | Jordan River | Jordan River Corridor Subwatershed | 40.629748 | -111.922822 |
| JR_32.35 | ✓ | ✓ | Jordan River | Jordan River Corridor Subwatershed | 40.525538 | -111.920265 |
| KL_00.18 | ✓ | | Killyon Creek | Emigration Creek Subwatershed | 40.793242 | -111.711512 |
| KL_00.21 | | ✓ | Killyon Creek | Emigration Creek Subwatershed | 40.793962 | -111.711463 |
| LB_00.55 | | ✓ | Lambs Canyon Creek | Parleys Creek Subwatershed | 40.735994 | -111.671165 |
| LB_01.92 | ✓ | | Lambs Canyon Creek | Parleys Creek Subwatershed | 40.721131 | -111.658184 |
| LC_00.53 | ✓ | ✓ | Little Cottonwood Creek | Little Cottonwood Creek Subwatershed | 40.664243 | -111.898836 |
| LC_01.37 | ✓ | | Little Cottonwood Creek | Little Cottonwood Creek Subwatershed | 40.660345 | -111.886232 |
| LC_01.98 | | ✓ | Little Cottonwood Creek | Little Cottonwood Creek Subwatershed | 40.657228 | -111.87758 |
| LC_04.45 | | | Little Cottonwood Creek | Little Cottonwood Creek Subwatershed | 40.632386 | -111.861399 |
| LC_05.17 | | | Little Cottonwood Creek | Little Cottonwood Creek Subwatershed | 40.622670 | -111.857558 |
| LC_05.19 | | | Little Cottonwood Creek | Little Cottonwood Creek Subwatershed | 40.622277 | -111.857162 |
| LC_05.37 | ✓ | | Little Cottonwood Creek | Little Cottonwood Creek Subwatershed | 40.621382 | -111.856751 |
| LC_05.45 | | | Little Cottonwood Creek | Little Cottonwood Creek Subwatershed | 40.619873 | -111.857022 |
| LC_06.58 | | ✓ | Little Cottonwood Creek | Little Cottonwood Creek Subwatershed | 40.614461 | -111.842906 |
| LC_08.07 | | | Little Cottonwood Creek | Little Cottonwood Creek Subwatershed | 40.604554 | -111.821728 |
| LC_09.95 | | | Little Cottonwood Creek | Little Cottonwood Creek Subwatershed | 40.587117 | -111.805522 |
| LC_10.79 | | | Little Cottonwood Creek | Little Cottonwood Creek Subwatershed | 40.578544 | -111.797530 |
| LC_12.33 | | | Little Cottonwood Creek | Little Cottonwood Creek Subwatershed | 40.571349 | -111.774592 |
| LC_13.30 | ✓ | | Little Cottonwood Creek | Little Cottonwood Creek Subwatershed | 40.571229 | -111.757544 |
| LC_14.23 | | ✓ | Little Cottonwood Creek | Little Cottonwood Creek Subwatershed | 40.571145 | -111.742131 |
| LC_15.66 | ✓ | | Little Cottonwood Creek | Little Cottonwood Creek Subwatershed | 40.570922 | -111.718199 |
| LC_16.72 | | ✓ | Little Cottonwood Creek | Little Cottonwood Creek Subwatershed | 40.56993 | -111.700826 |
| LC_17.95 | | | Little Cottonwood Creek | Little Cottonwood Creek Subwatershed | 40.574852 | 111.680888 |
| LC_18.07 | ✓ | | Little Cottonwood Creek | Little Cottonwood Creek Subwatershed | 40.574644 | -111.680049 |
| LC_18.78 | | | Little Cottonwood Creek | Little Cottonwood Creek Subwatershed | 40.577706 | -111.668959 |
| LC_19.40 | | | Little Cottonwood Creek | Little Cottonwood Creek Subwatershed | 40.579798 | -111.658467 |
| LC_20.52 | | ✓ | Little Cottonwood Creek | Little Cottonwood Creek Subwatershed | 40.588116 | -111.644599 |
| LC_22.29 | ✓ | | Little Cottonwood Creek | Little Cottonwood Creek Subwatershed | 40.581845 | -111.623065 |
| LW_02.10 | ✓ | | Little Willow Creek | Willow Creek Subwatershed | 40.534332 | -111.811533 |
| MB_00.43 | ✓ | | Mill B South Fork | Big Cottonwood Creek Subwatershed | 40.628159 | -111.714489 |
| MC_00.01 | | | Mill Creek | Mill Creek Subwatershed | 40.709041 | -111.922291 |
| MC_01.08 | | ✓ | Mill Creek | Mill Creek Subwatershed | 40.706232 | -111.904637 |
| MC_01.57 | ✓ | | Mill Creek | Mill Creek Subwatershed | 40.706253 | -111.895101 |
| MC_02.56 | | ✓ | Mill Creek | Mill Creek Subwatershed | 40.704101 | -111.877849 |
| MC_03.47 | | | Mill Creek | Mill Creek Subwatershed | 40.696239 | -111.867284 |
| MC_04.56 | | ✓ | Mill Creek | Mill Creek Subwatershed | 40.693112 | -111.848659 |
| MC_05.82 | ✓ | | Mill Creek | Mill Creek Subwatershed | 40.695463 | -111.826732 |
| MC_05.93 | | | Mill Creek | Mill Creek Subwatershed | 40.695624 | -111.824777 |

| SiteID | Macro | Bacteria | Stream Name | Subwatershed Name | Latitude | Longitude |
|----------|-------|----------|-----------------|------------------------------|-----------|-------------|
| MC_07.09 | | ✓ | Mill Creek | Mill Creek Subwatershed | 40.694523 | -111.805464 |
| MC_08.49 | | ✓ | Mill Creek | Mill Creek Subwatershed | 40.689301 | -111.782733 |
| MC_08.55 | ✓ | | Mill Creek | Mill Creek Subwatershed | 40.689328 | -111.781688 |
| MC_09.30 | ✓ | | Mill Creek | Mill Creek Subwatershed | 40.690993 | -111.769003 |
| MC_10.98 | | | Mill Creek | Mill Creek Subwatershed | 40.697089 | -111.743394 |
| MC_11.22 | | | Mill Creek | Mill Creek Subwatershed | 40.69809 | -111.74008 |
| MC_11.49 | | | Mill Creek | Mill Creek Subwatershed | 40.697507 | -111.73607 |
| MC_11.79 | | | Mill Creek | Mill Creek Subwatershed | 40.698285 | -111.731127 |
| MC_12.41 | | ✓ | Mill Creek | Mill Creek Subwatershed | 40.69914 | -111.721405 |
| MC_12.62 | ✓ | | Mill Creek | Mill Creek Subwatershed | 40.699438 | -111.71779 |
| MC_12.84 | | | Mill Creek | Mill Creek Subwatershed | 40.699994 | -111.714129 |
| MC_14.22 | ✓ | | Mill Creek | Mill Creek Subwatershed | 40.705384 | -111.692844 |
| MC_14.37 | | | Mill Creek | Mill Creek Subwatershed | 40.706527 | -111.690607 |
| MC_15.39 | | | Mill Creek | Mill Creek Subwatershed | 40.69767 | -111.678864 |
| MC_16.17 | | | Mill Creek | Mill Creek Subwatershed | 40.690836 | -111.669138 |
| MC_17.12 | | | Mill Creek | Mill Creek Subwatershed | 40.687384 | -111.654053 |
| MC_17.47 | | | Mill Creek | Mill Creek Subwatershed | 40.684785 | -111.648303 |
| MD_00.63 | ✓ | ✓ | Dell Fork | Parleys Creek Subwatershed | 40.762168 | -111.707843 |
| MD_02.80 | ✓ | | Dell Fork | Parleys Creek Subwatershed | 40.781006 | -111.680937 |
| MS_00.19 | | ✓ | Midas Creek | Midas Creek Subwatershed | 40.548516 | -111.918232 |
| PC_02.06 | | ✓ | Parleys Creek | Parleys Creek Subwatershed | 40.724382 | -111.856896 |
| PC_02.50 | | | Parleys Creek | Parleys Creek Subwatershed | 40.723254 | -111.85028 |
| PC_02.88 | | ✓ | Parleys Creek | Parleys Creek Subwatershed | 40.72121 | -111.843889 |
| PC_04.76 | ✓ | ✓ | Parleys Creek | Parleys Creek Subwatershed | 40.712577 | -111.812842 |
| PC_05.53 | | ✓ | Parleys Creek | Parleys Creek Subwatershed | 40.709552 | -111.801762 |
| PC_05.79 | | ✓ | Parleys Creek | Parleys Creek Subwatershed | 40.70935 | -111.797217 |
| PC_05.89 | ✓ | | Parleys Creek | Parleys Creek Subwatershed | 40.70981 | -111.795714 |
| PC_06.47 | | | Parleys Creek | Parleys Creek Subwatershed | 40.713379 | -111.786271 |
| PC_12.11 | | | Parleys Creek | Parleys Creek Subwatershed | 40.75477 | -111.708611 |
| PC_14.29 | ✓ | | Parleys Creek | Parleys Creek Subwatershed | 40.743456 | -111.675006 |
| PC_14.40 | | ✓ | Parleys Creek | Parleys Creek Subwatershed | 40.742406 | -111.673698 |
| PC_15.51 | ✓ | | Parleys Creek | Parleys Creek Subwatershed | 40.744601 | -111.657959 |
| PC_16.29 | | | Parleys Creek | Parleys Creek Subwatershed | 40.746688 | -111.647682 |
| PF_00.04 | | ✓ | Porter Fork | Mill Creek Subwatershed | 40.698831 | -111.721691 |
| PF_01.00 | ✓ | | Porter Fork | Mill Creek Subwatershed | 40.688811 | -111.711597 |
| RB_00.92 | | | Red Butte Creek | Red Butte Creek Subwatershed | 40.745063 | -111.8594 |
| RB_01.65 | | ✓ | Red Butte Creek | Red Butte Creek Subwatershed | 40.746225 | -111.846378 |
| RB_01.74 | ✓ | | Red Butte Creek | Red Butte Creek Subwatershed | 40.74688 | -111.845133 |
| RB_02.16 | | ✓ | Red Butte Creek | Red Butte Creek Subwatershed | 40.75103 | -111.839859 |
| RB_02.64 | | | Red Butte Creek | Red Butte Creek Subwatershed | 40.756506 | -111.83434 |
| RB_02.68 | ✓ | | Red Butte Creek | Red Butte Creek Subwatershed | 40.756902 | -111.834073 |

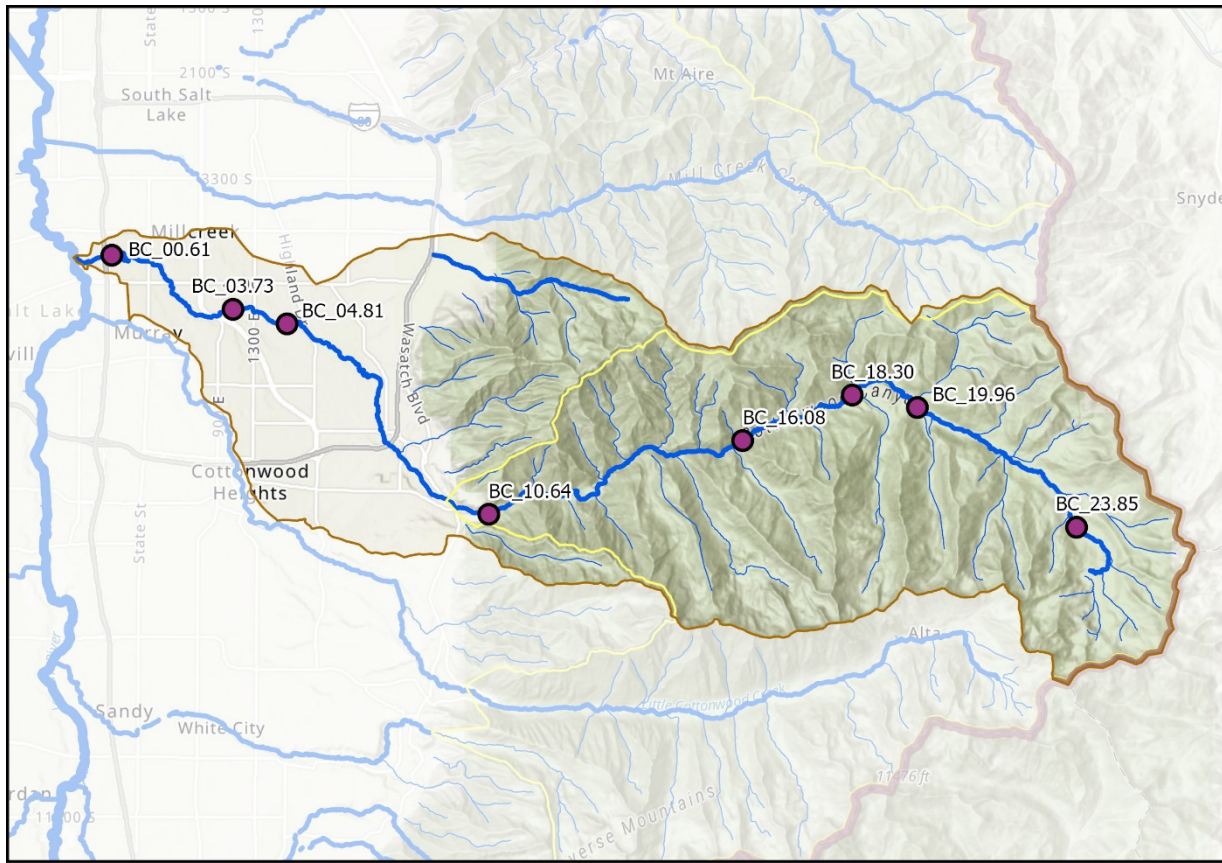
| SiteID | Macro | Bacteria | Stream Name | Subwatershed Name | Latitude | Longitude |
|----------|-------|----------|-----------------|------------------------------|-----------|-------------|
| RB_02.89 | | | Red Butte Creek | Red Butte Creek Subwatershed | 40.759022 | -111.831364 |
| RB_03.03 | | | Red Butte Creek | Red Butte Creek Subwatershed | 40.760355 | -111.829967 |
| RB_03.22 | | | Red Butte Creek | Red Butte Creek Subwatershed | 40.762792 | -111.828344 |
| RB_03.47 | | | Red Butte Creek | Red Butte Creek Subwatershed | 40.766009 | -111.826611 |
| RB_04.21 | | ✓ | Red Butte Creek | Red Butte Creek Subwatershed | 40.774139 | -111.818237 |
| RB_05.19 | ✓ | | Red Butte Creek | Red Butte Creek Subwatershed | 40.780201 | -111.805293 |
| RC_00.41 | | ✓ | Rose Creek | Rose Creek Subwatershed | 40.494198 | -111.933315 |
| RC_09.84 | ✓ | | Rose Creek | Rose Creek Subwatershed | 40.480518 | -112.070846 |
| RC_10.58 | | ✓ | Rose Creek | Rose Creek Subwatershed | 40.47178 | -112.07568 |
| RC_11.32 | | ✓ | Rose Creek | Rose Creek Subwatershed | 40.465234 | -112.084725 |
| SF_00.11 | | ✓ | Smith Fork | Parleys Creek Subwatershed | 40.73877 | -111.742325 |
| SF_00.14 | ✓ | | Smith Fork | Parleys Creek Subwatershed | 40.73887 | -111.742215 |

BIG COTTONWOOD CREEK SUBWATERSHED

Subwatershed Map with All Sample Sites



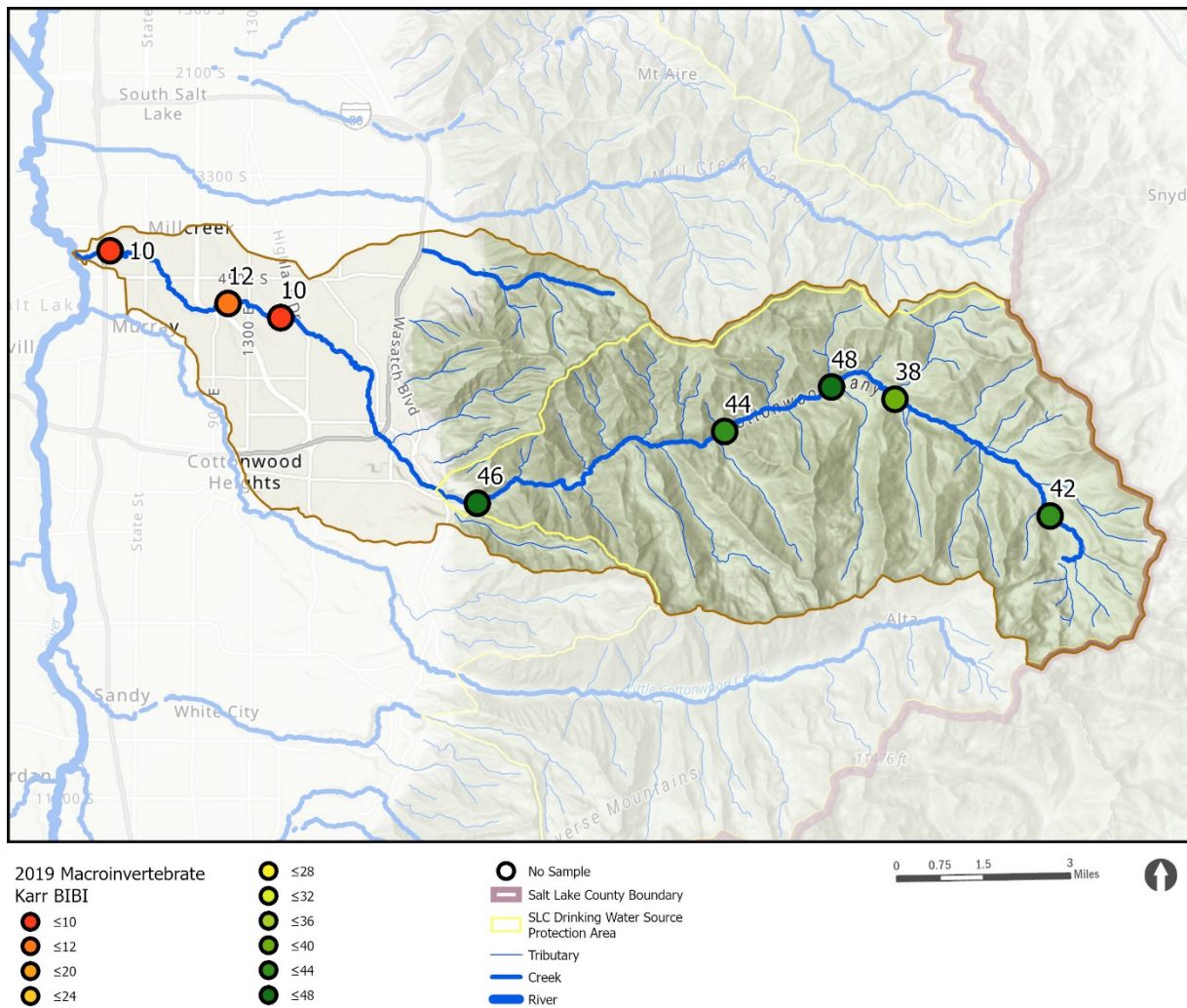
Subwatershed Map with Macroinvertebrate Sample Sites



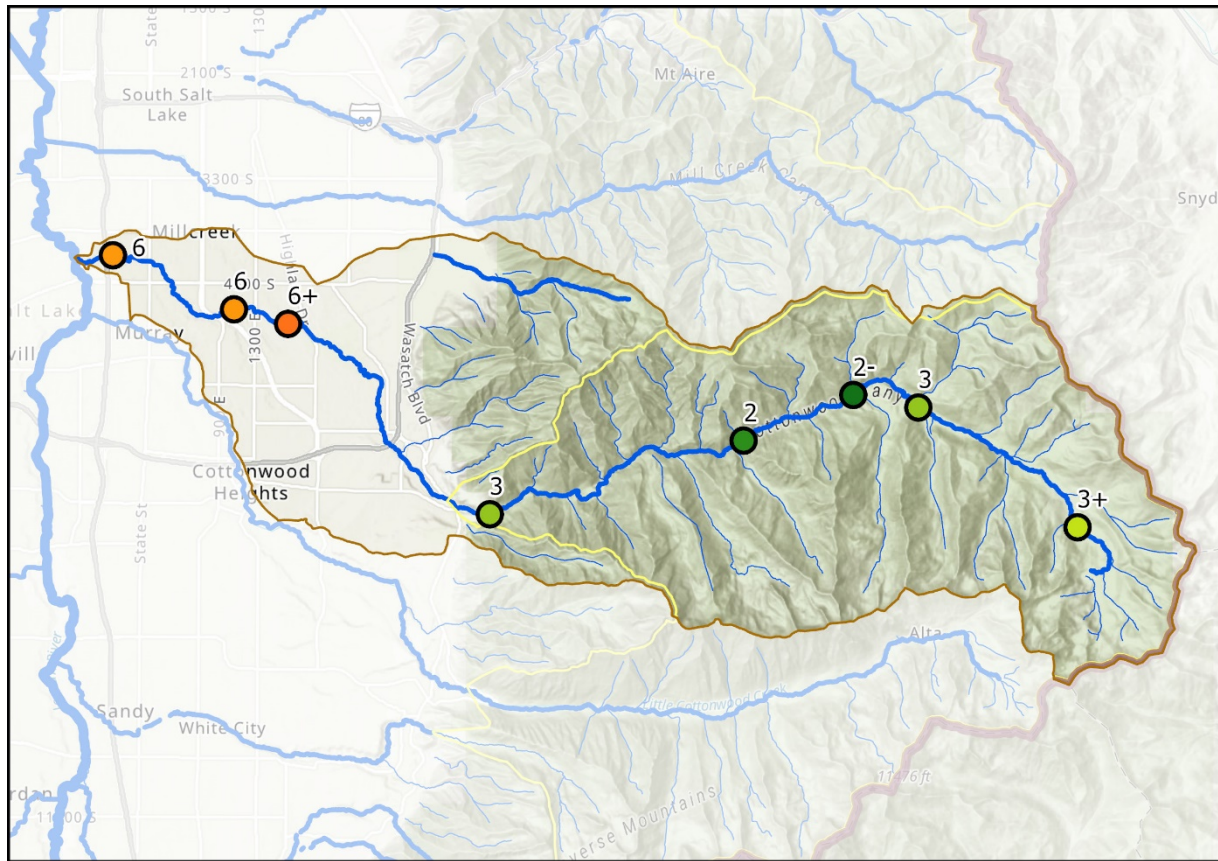
- 2019 Macroinvertebrate Sample Locations
- Salt Lake County Boundary
- SLC Drinking Water Source Protection Area
- Tributary
- Creek
- River



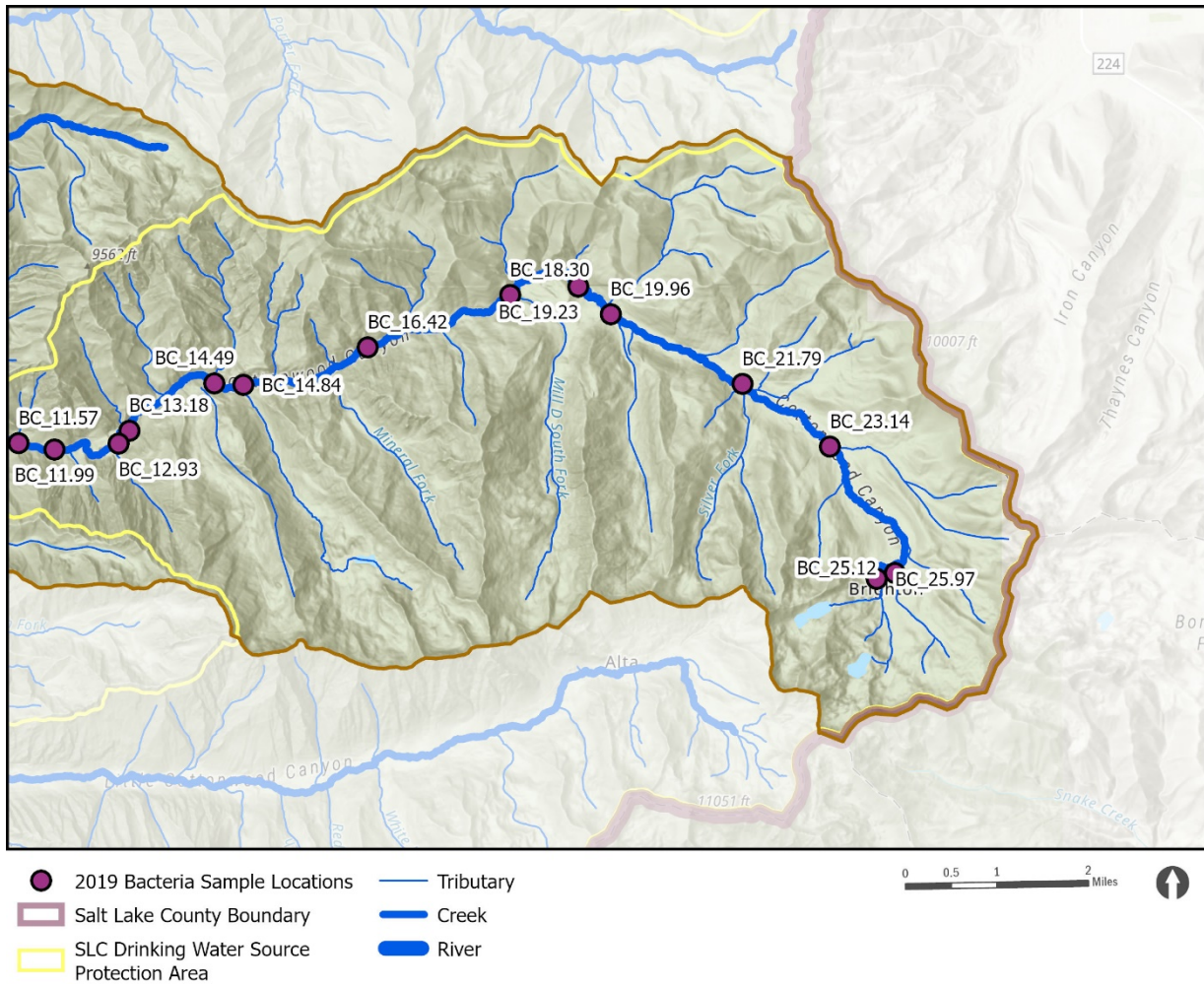
Macroinvertebrate Karr-BIBI Results



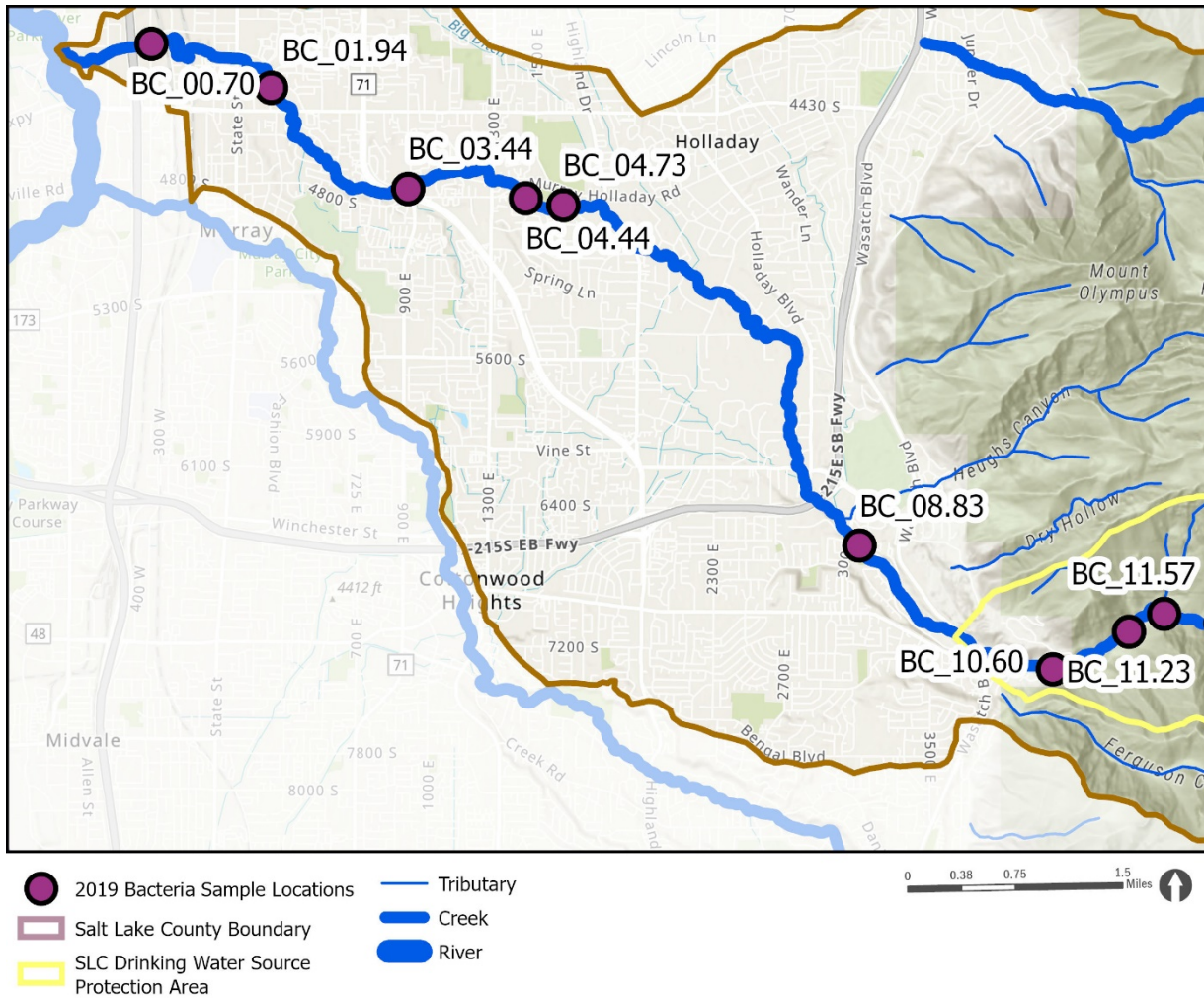
Macroinvertebrate Biological Condition Gradient (BCG) Results



Subwatershed Map with Bacteria Sample Sites (upper)



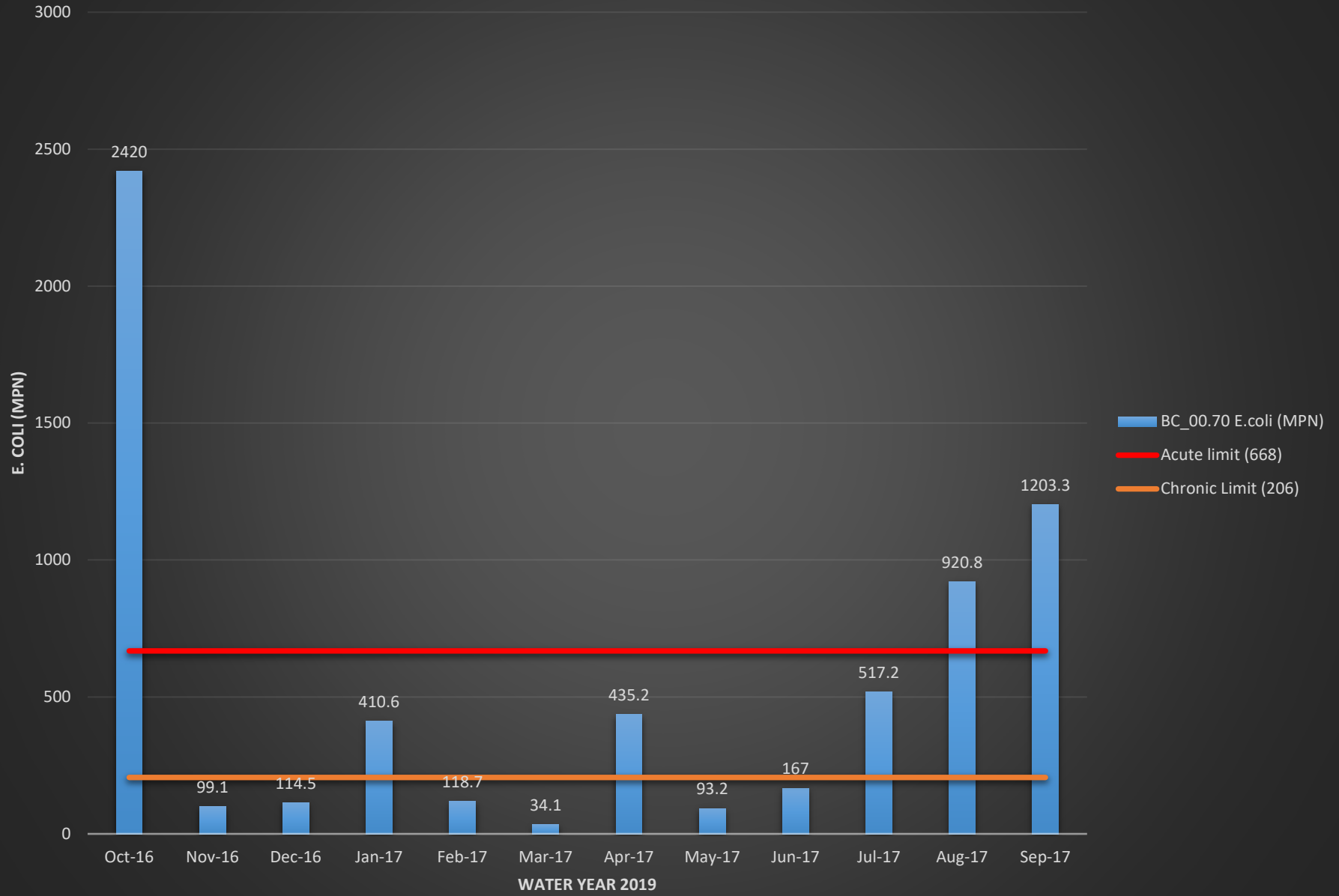
Subwatershed Map with Bacteria Sample Sites (lower)



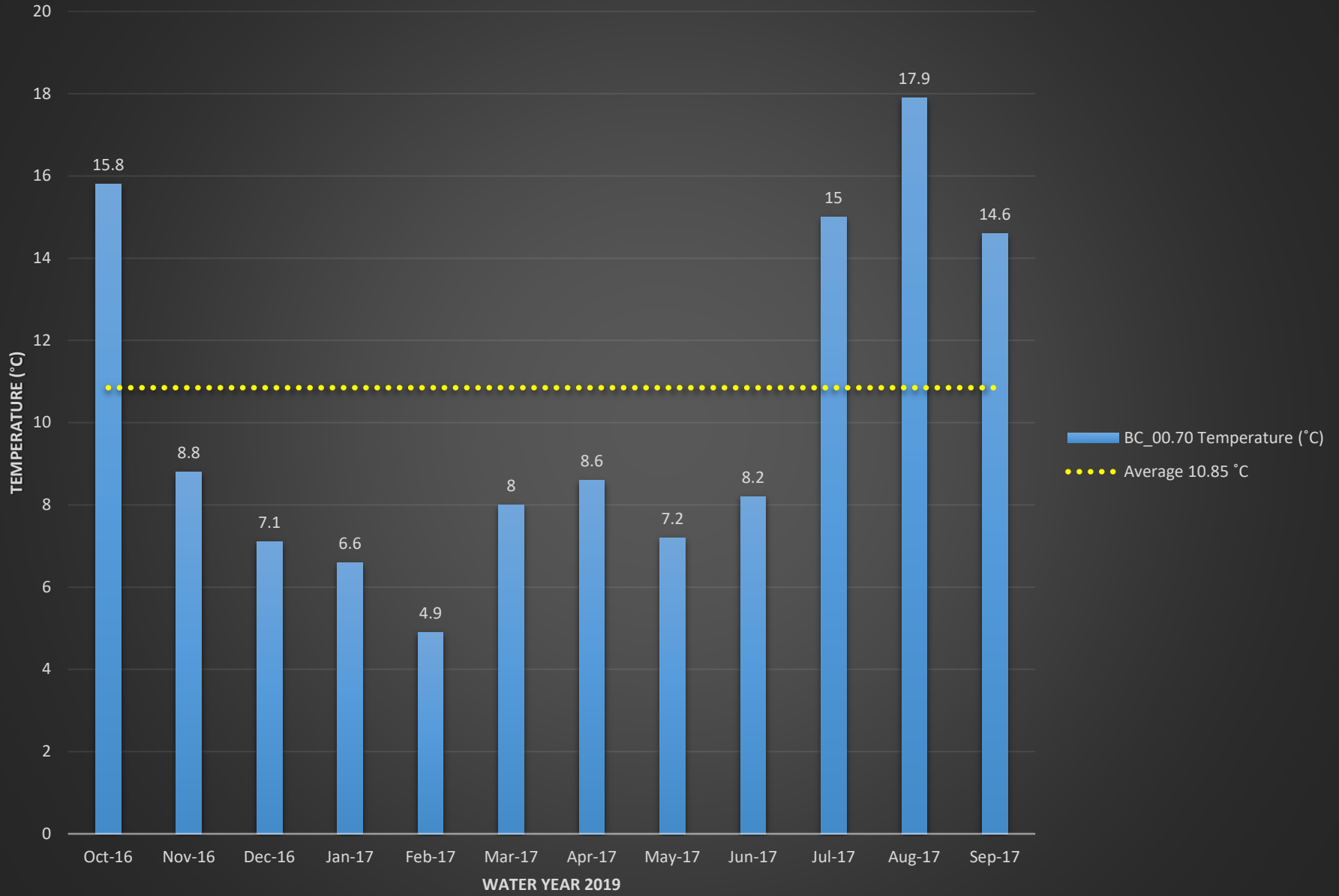
E.coli & Field Parameter Graphs

Graphs begin on next page...

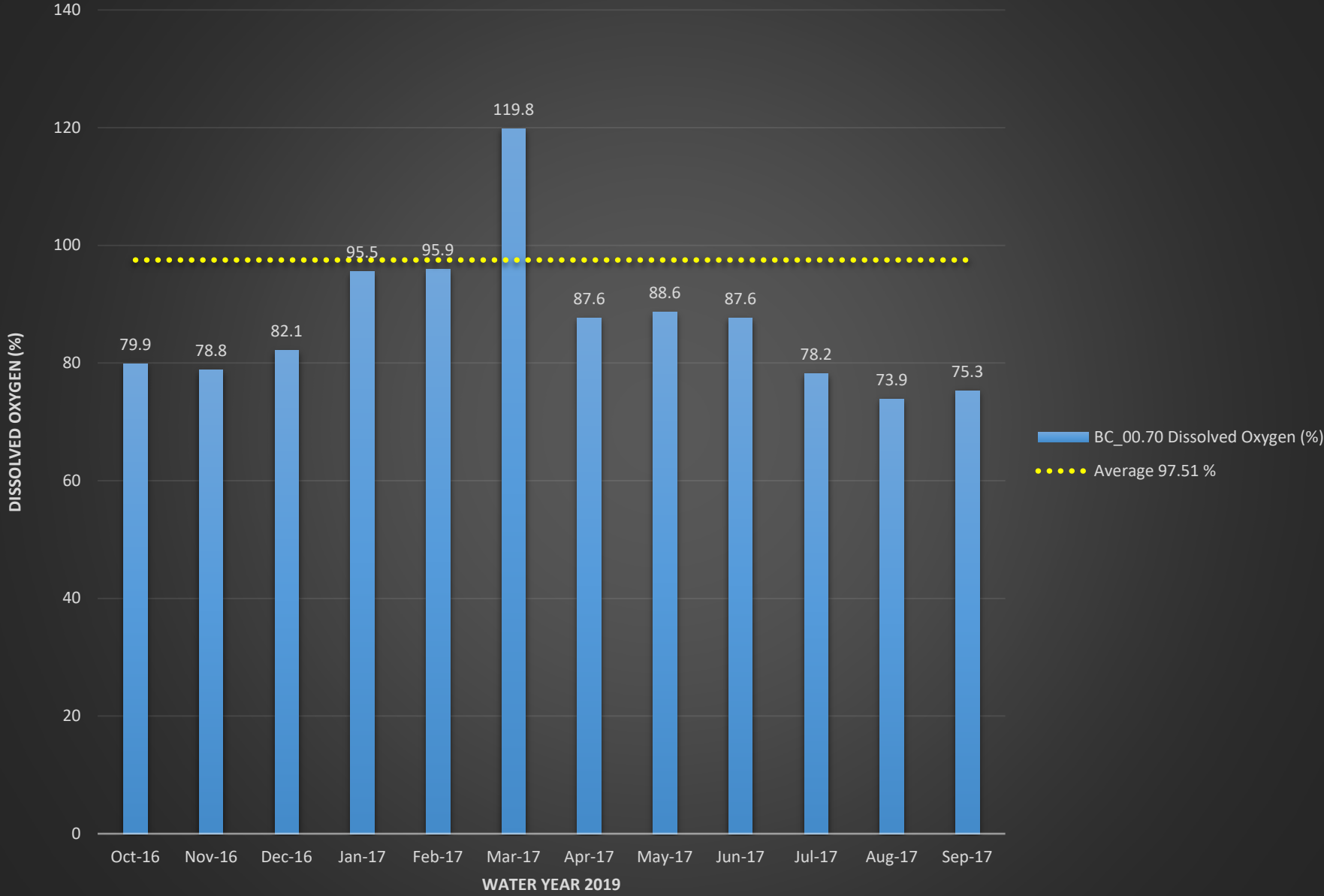
BC_00.70 E.coli (MPN)



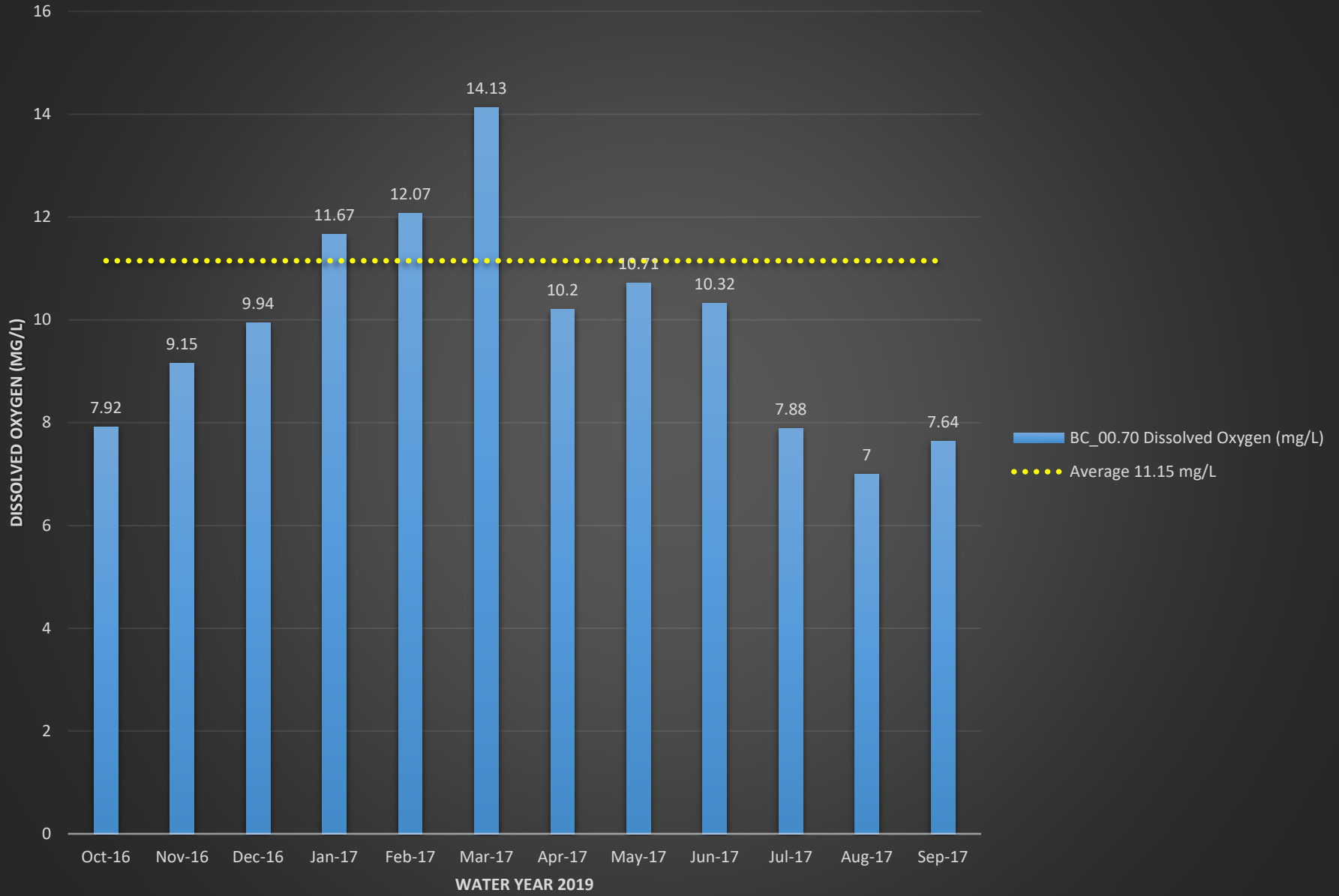
BC_00.70 Temperature (°C)



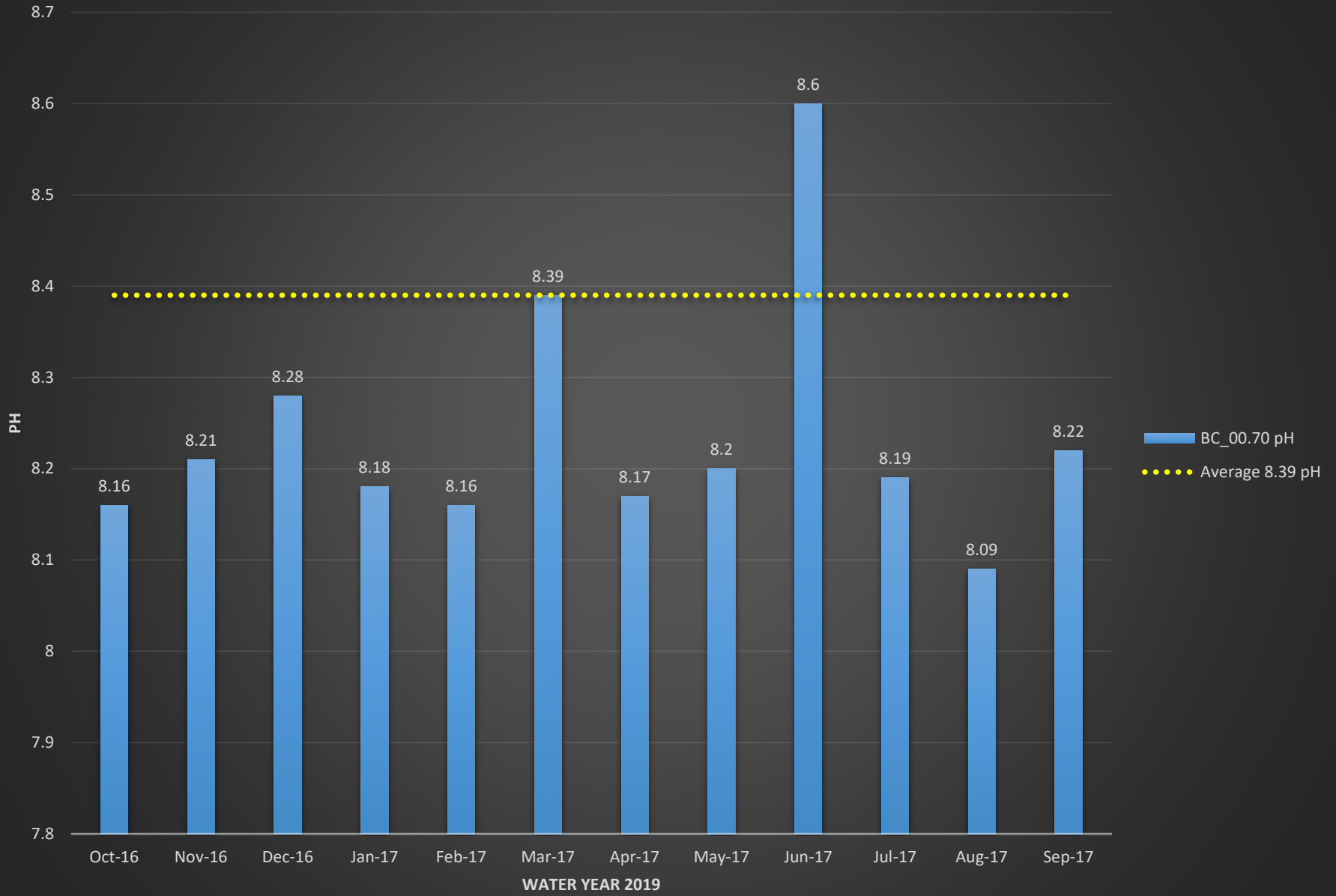
BC_00.70 Dissolved Oxygen (%)



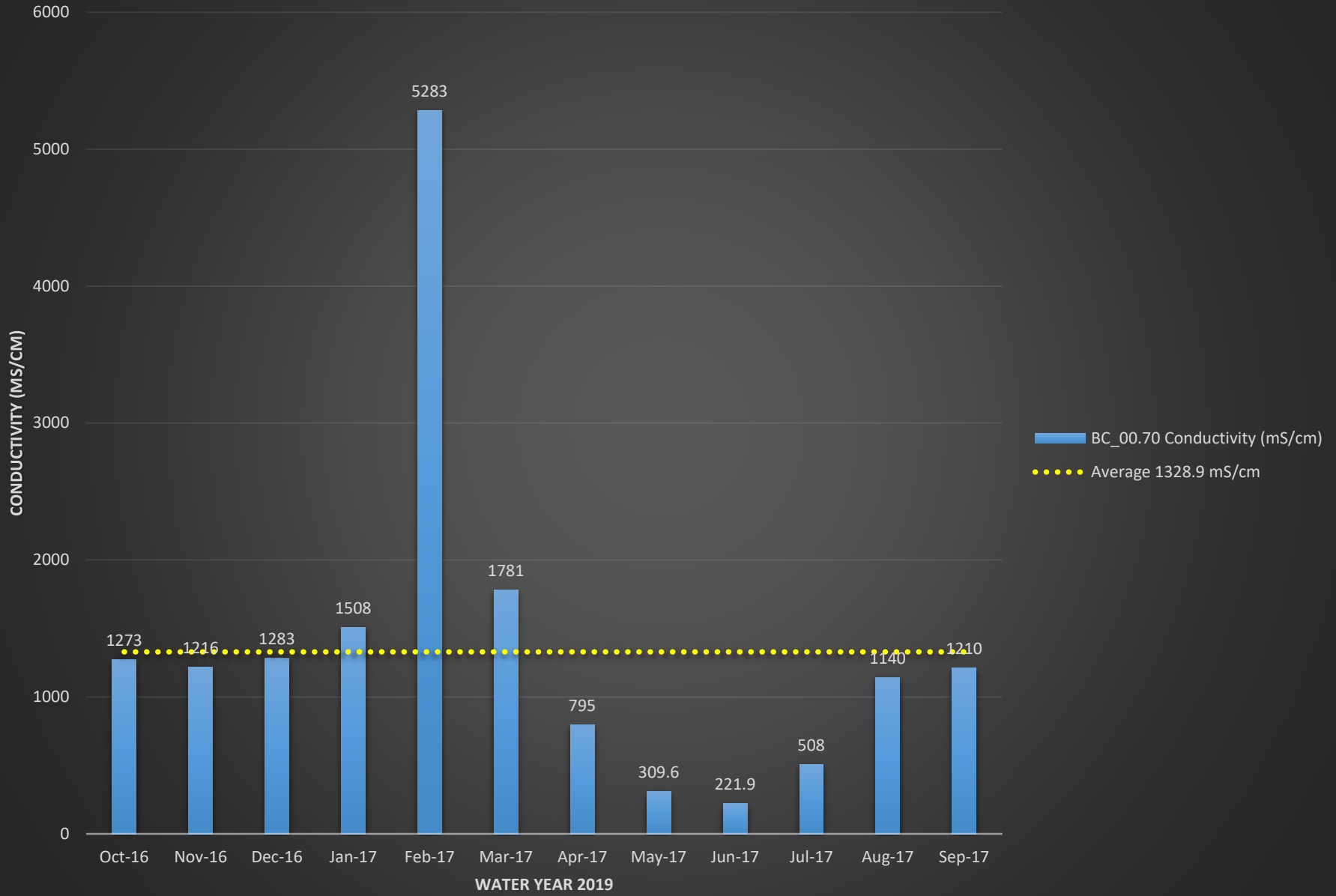
BC_00.70 Dissolved Oxygen (mg/L)



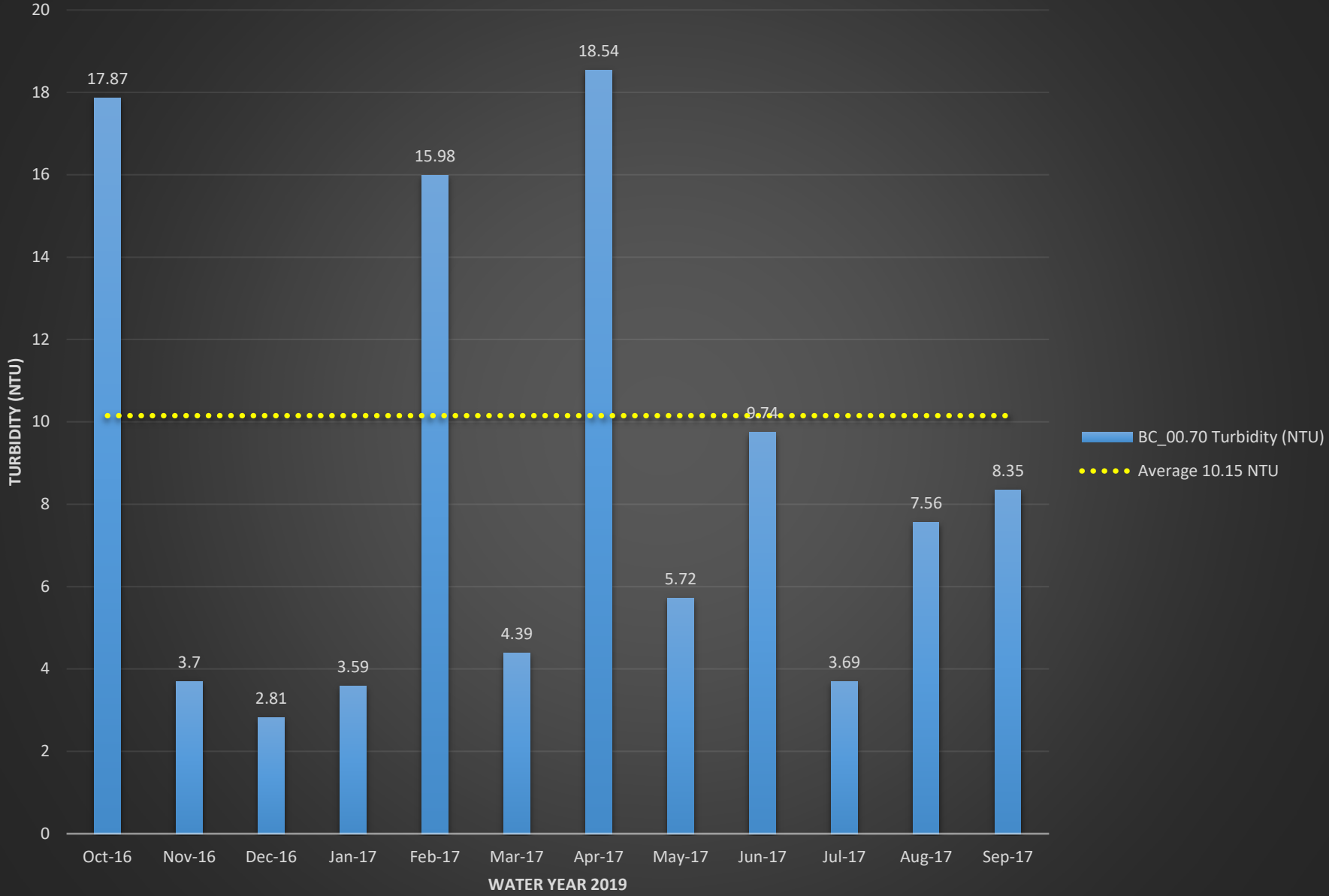
BC_00.70 pH



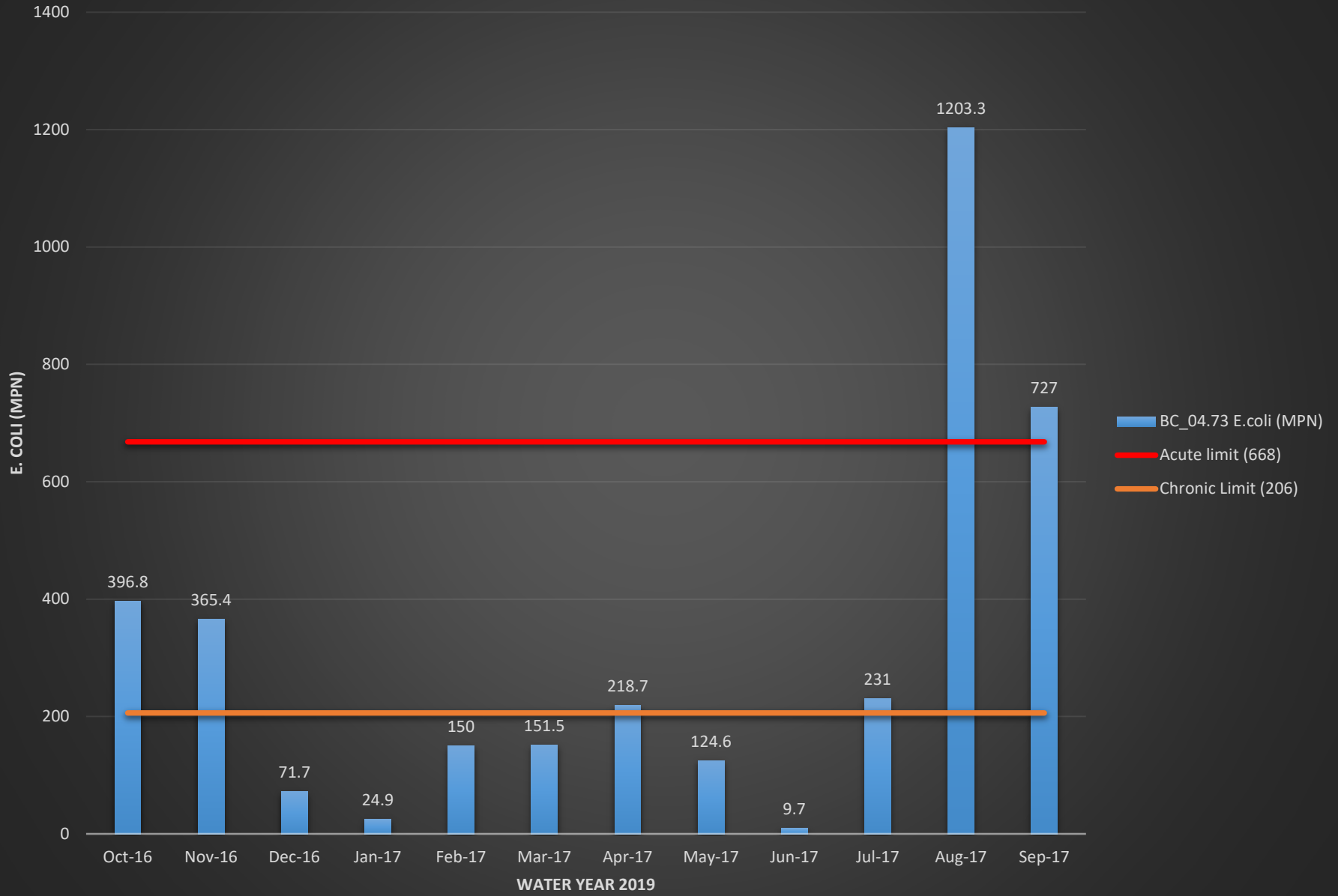
BC_00.70 Conductivity (mS/cm)



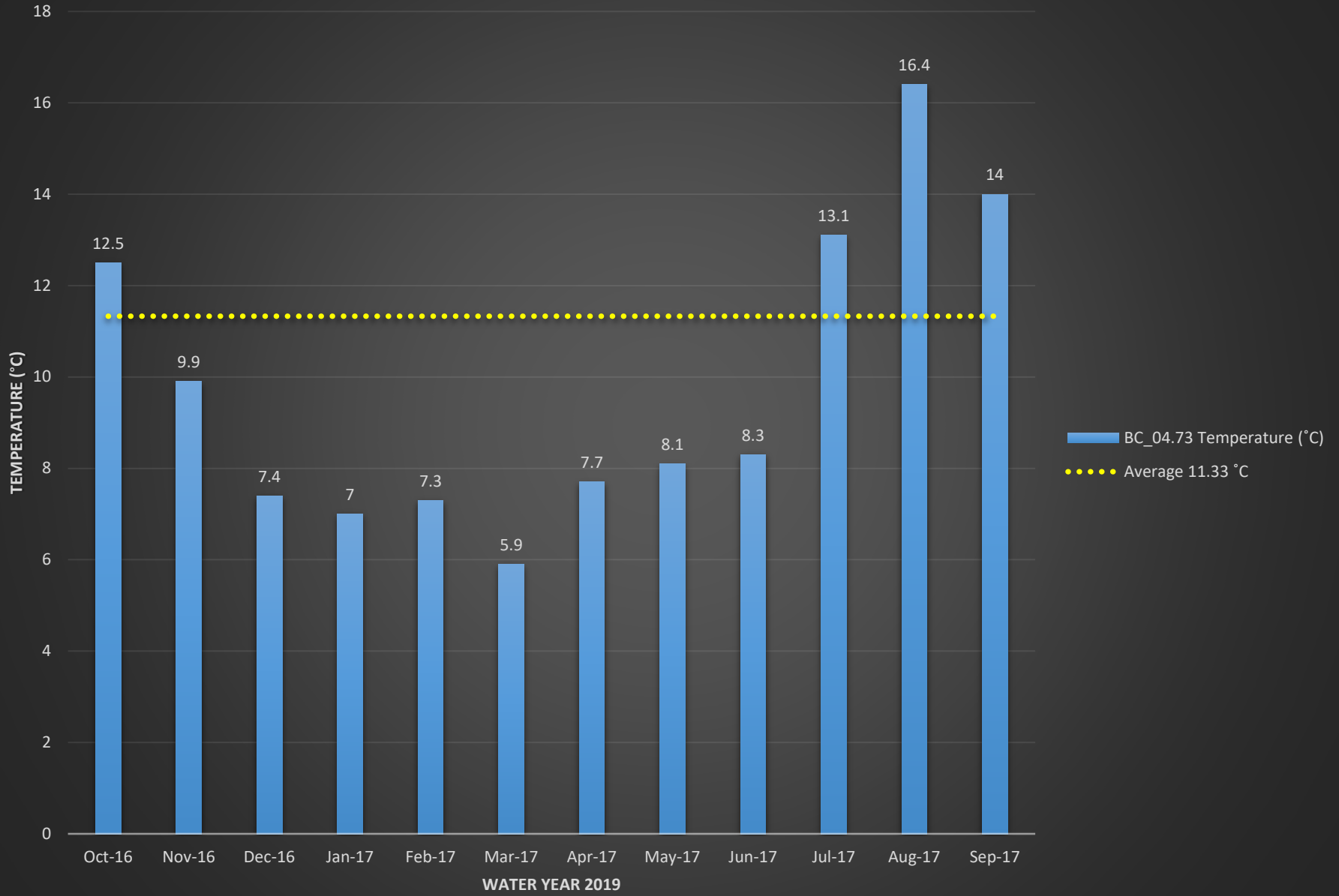
BC_00.70 Turbidity (NTU)



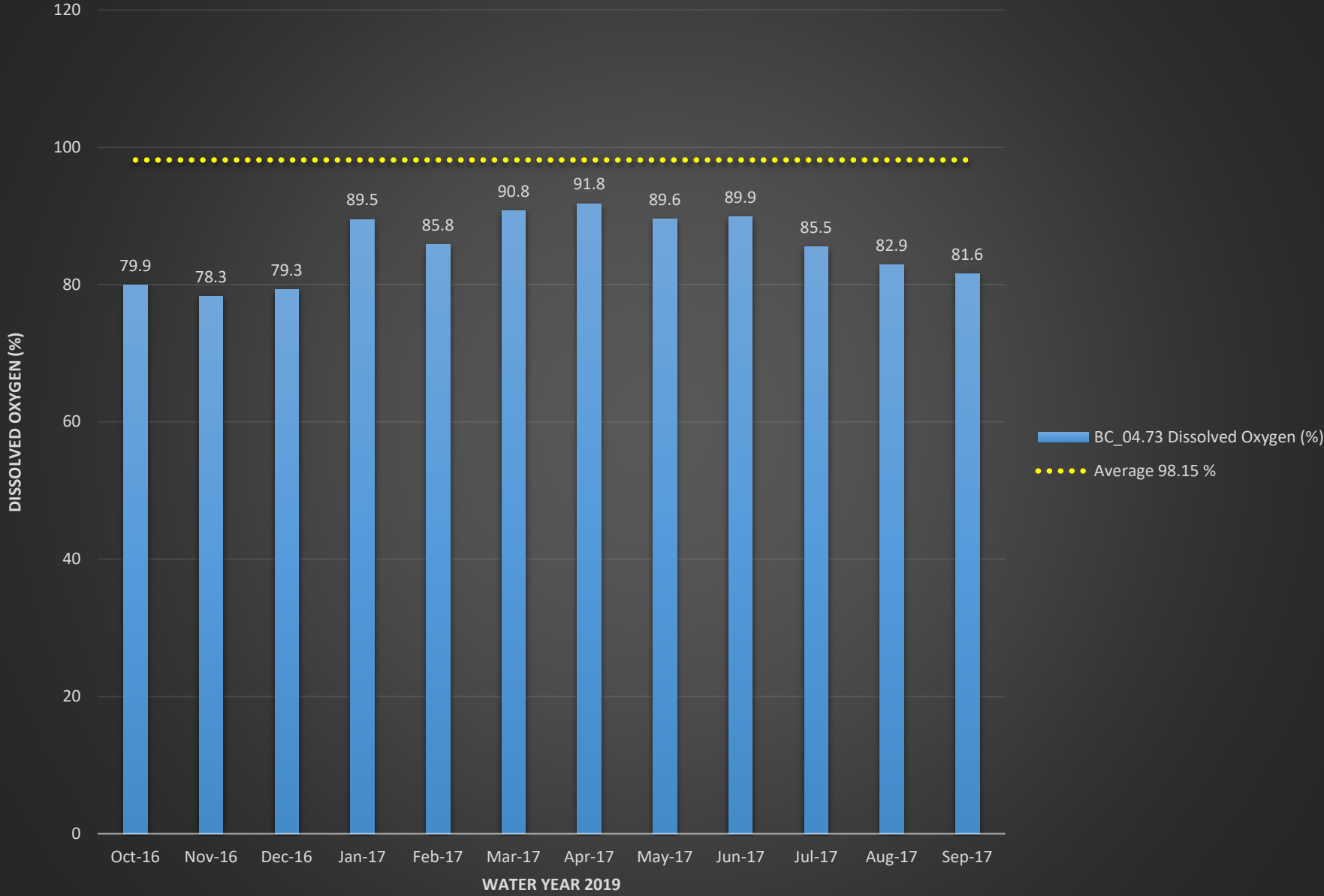
BC_04.73 E.coli (MPN)



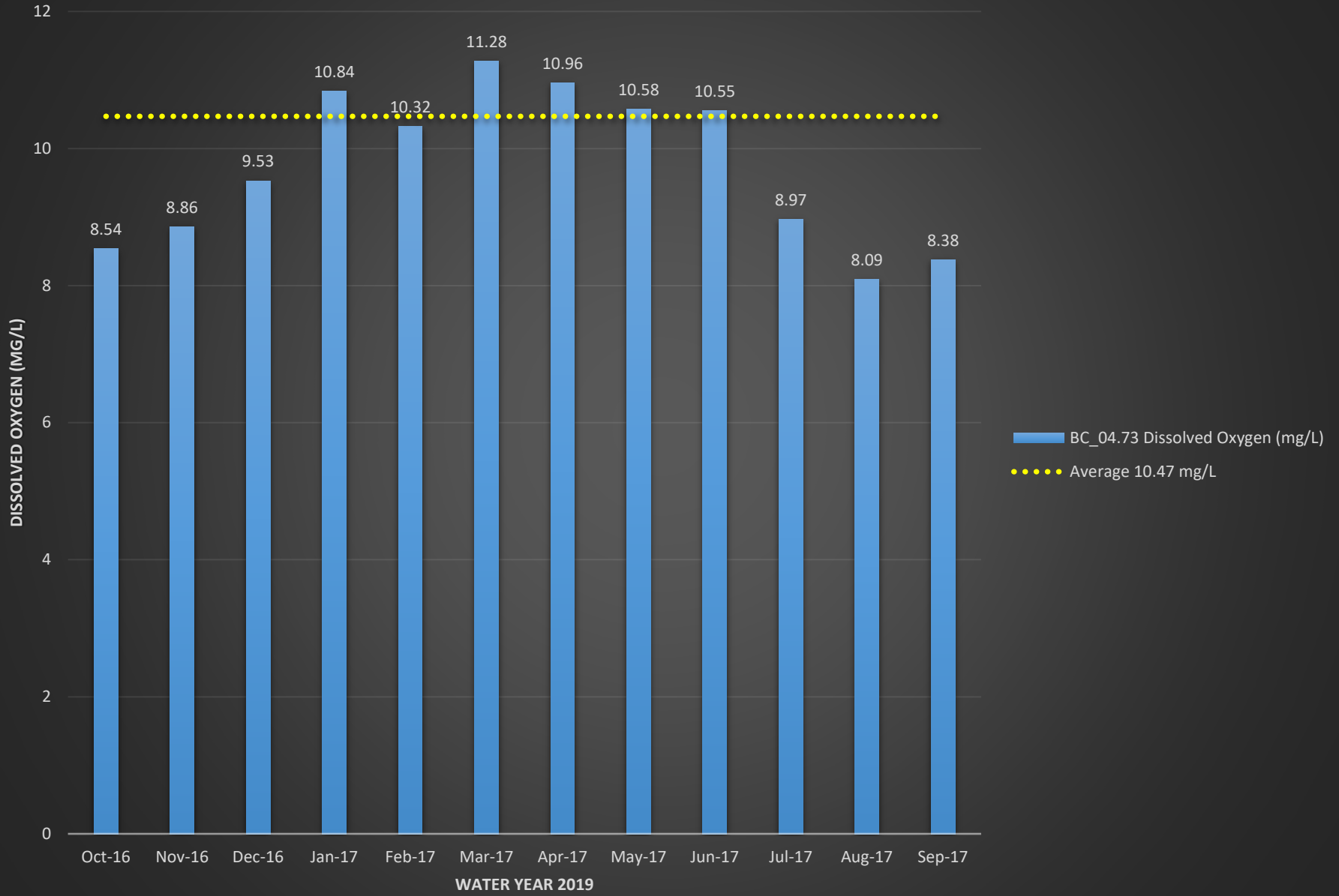
BC_04.73 Temperature (°C)



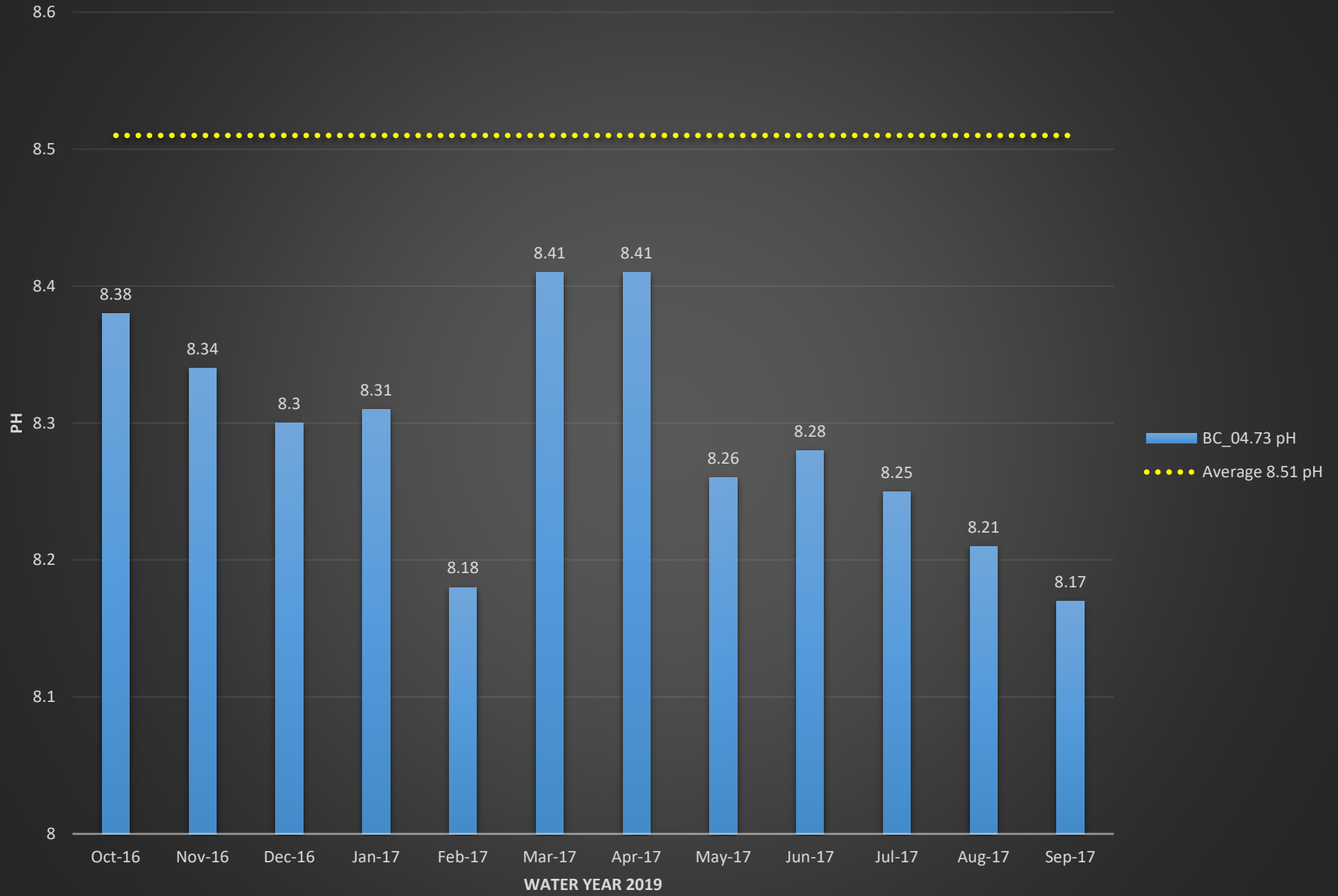
BC_04.73 Dissolved Oxygen (%)



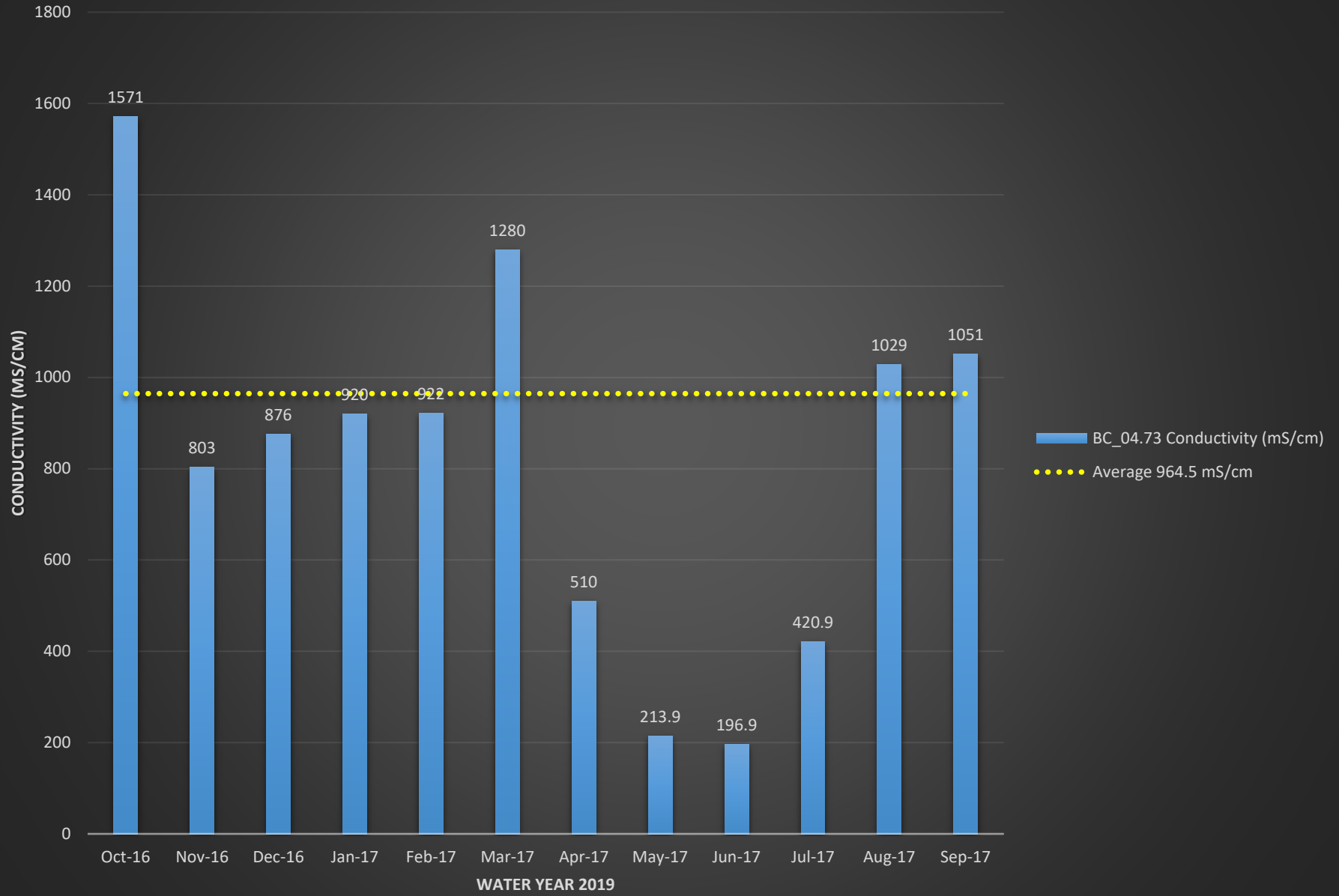
BC_04.73 Dissolved Oxygen (mg/L)



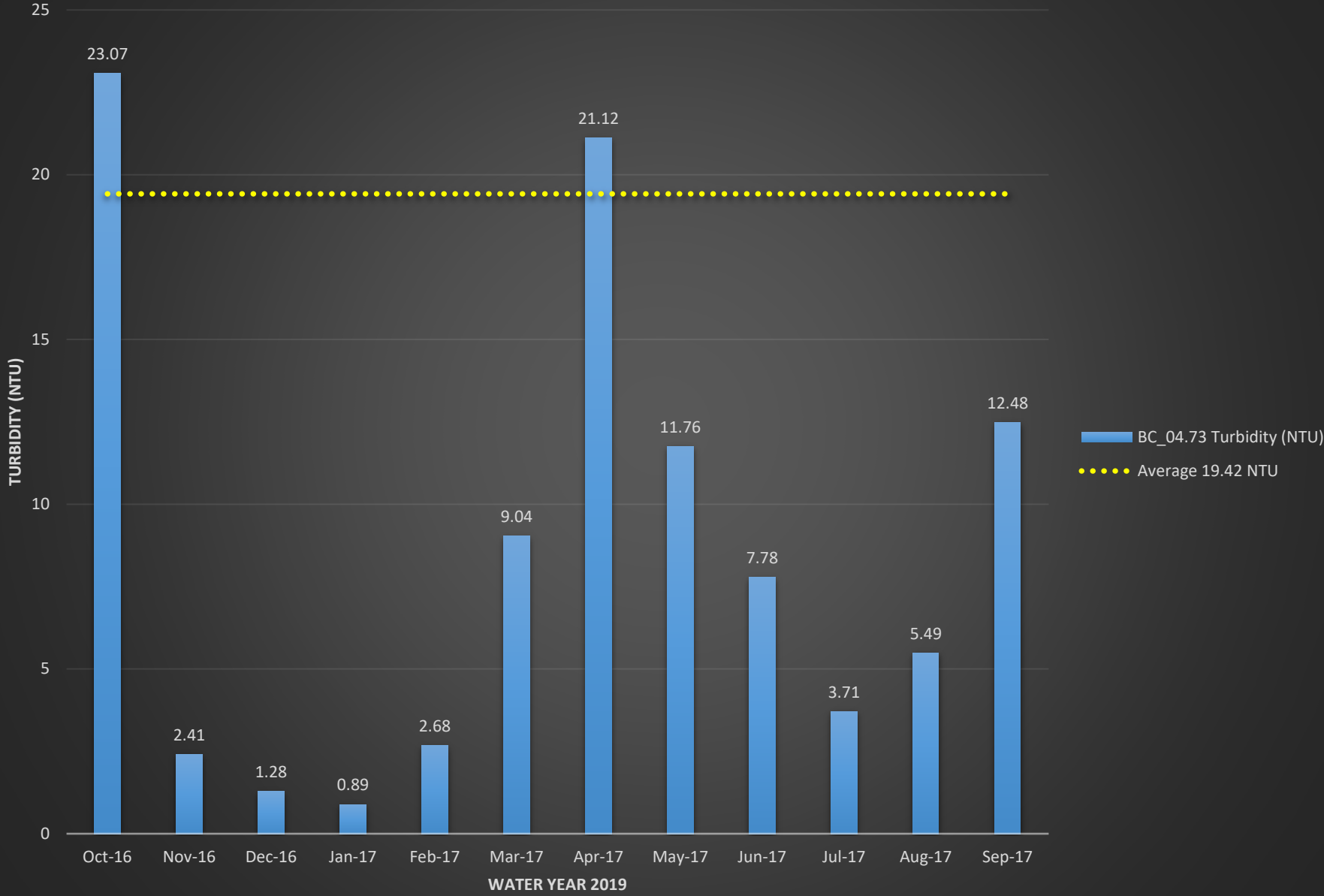
BC_04.73 pH



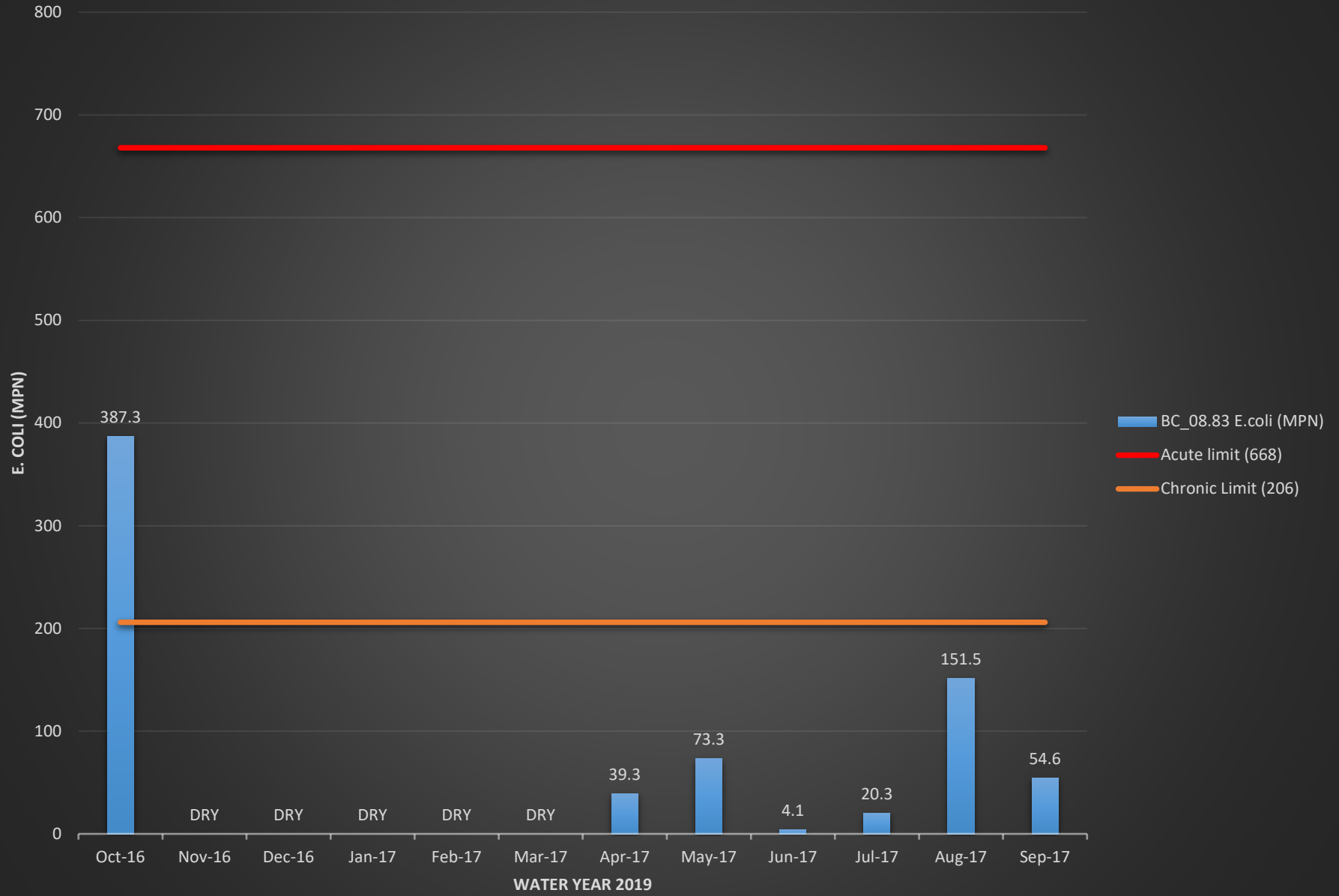
BC_04.73 Conductivity (mS/cm)



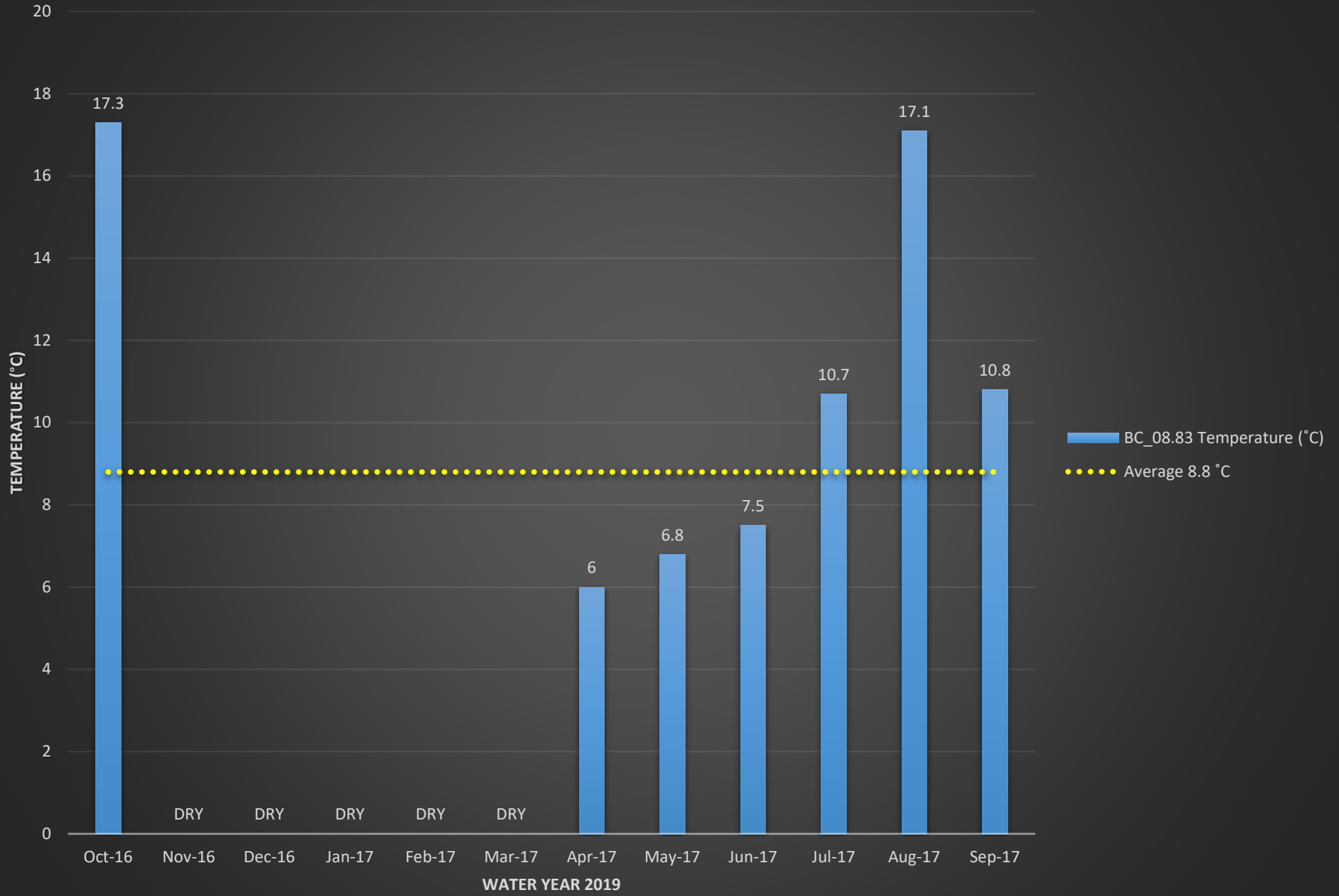
BC_04.73 Turbidity (NTU)



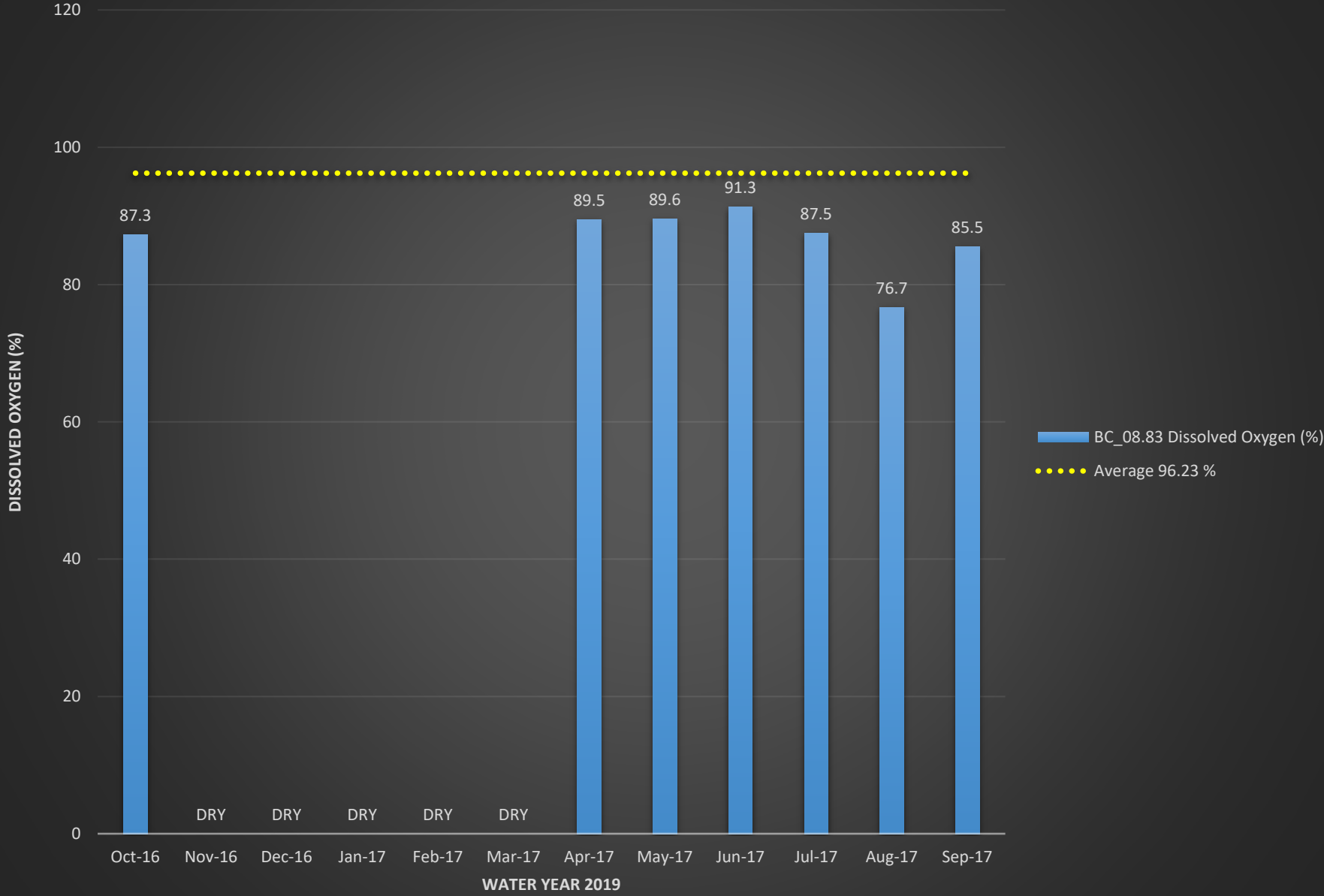
BC_08.83 E.coli (MPN)



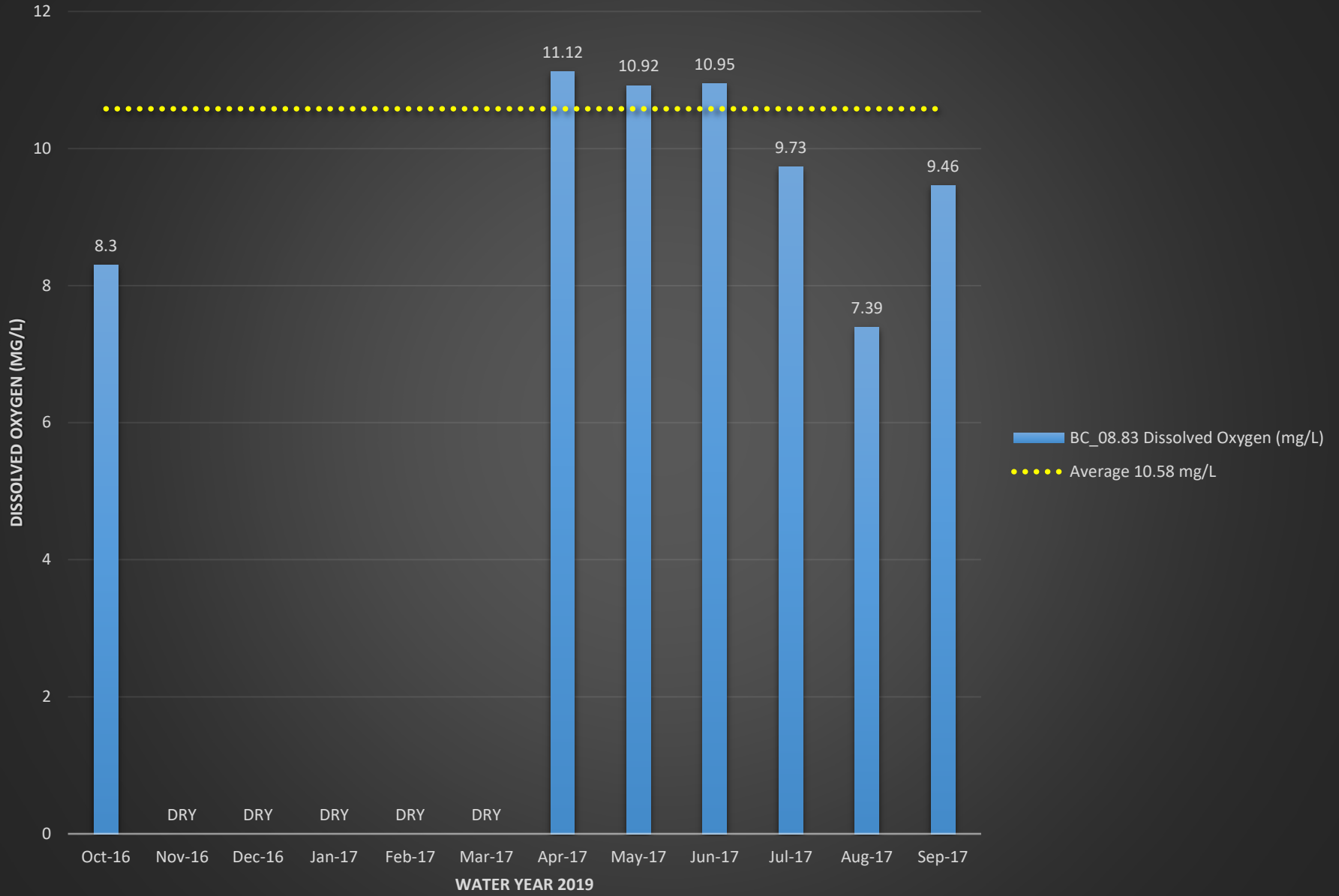
BC_08.83 Temperature (°C)



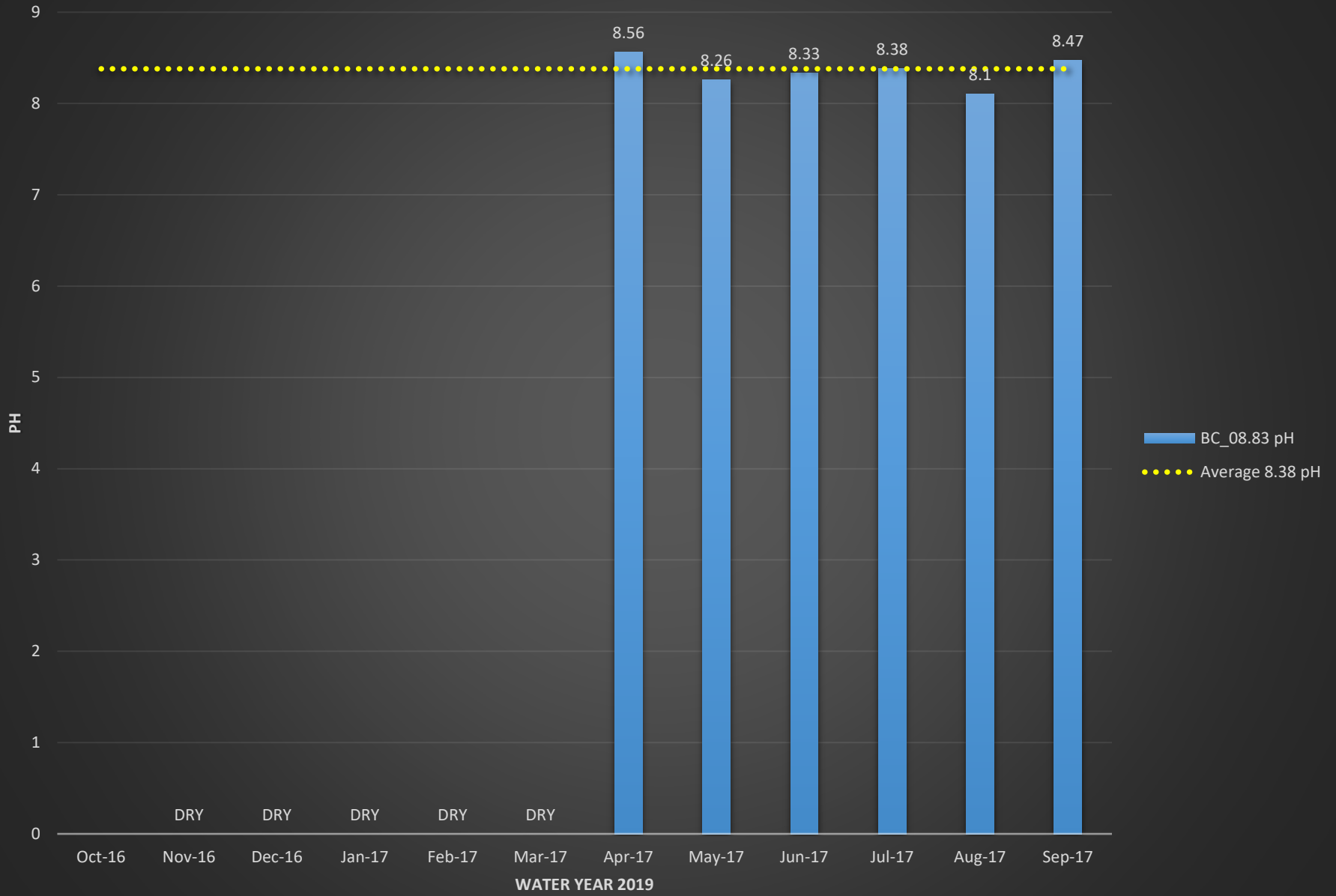
BC_08.83 Dissolved Oxygen (%)



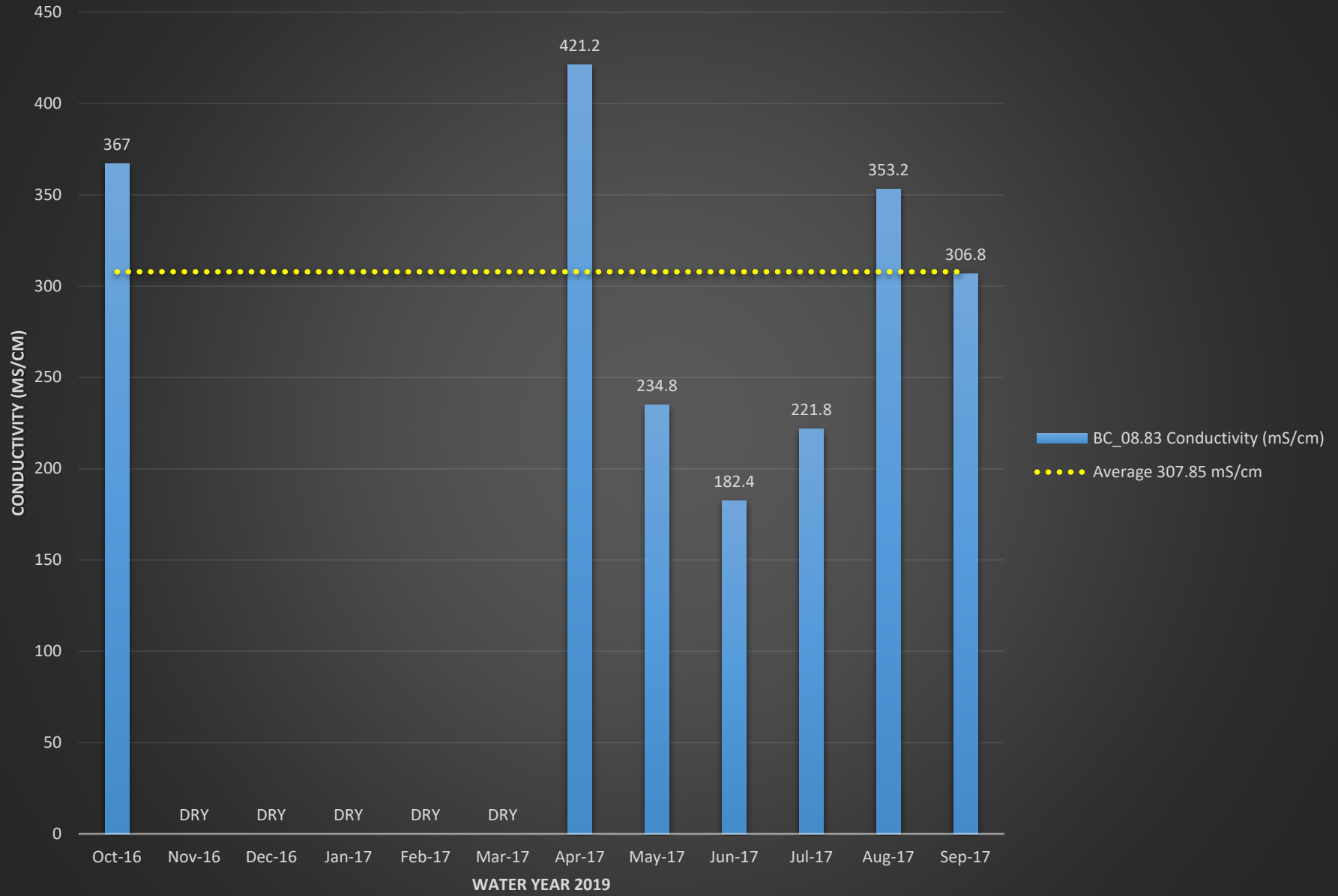
BC_08.83 Dissolved Oxygen (mg/L)



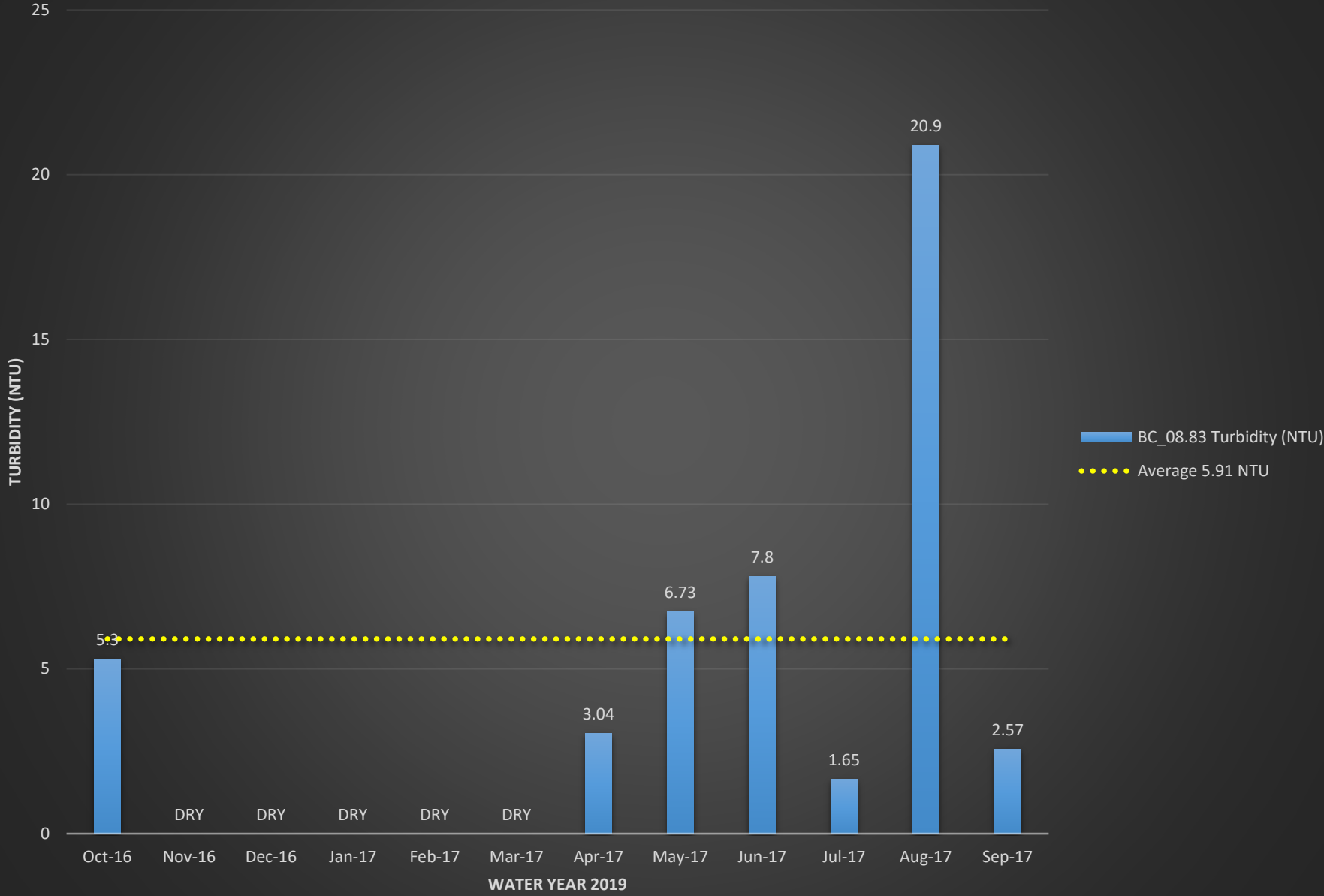
BC_08.83 pH



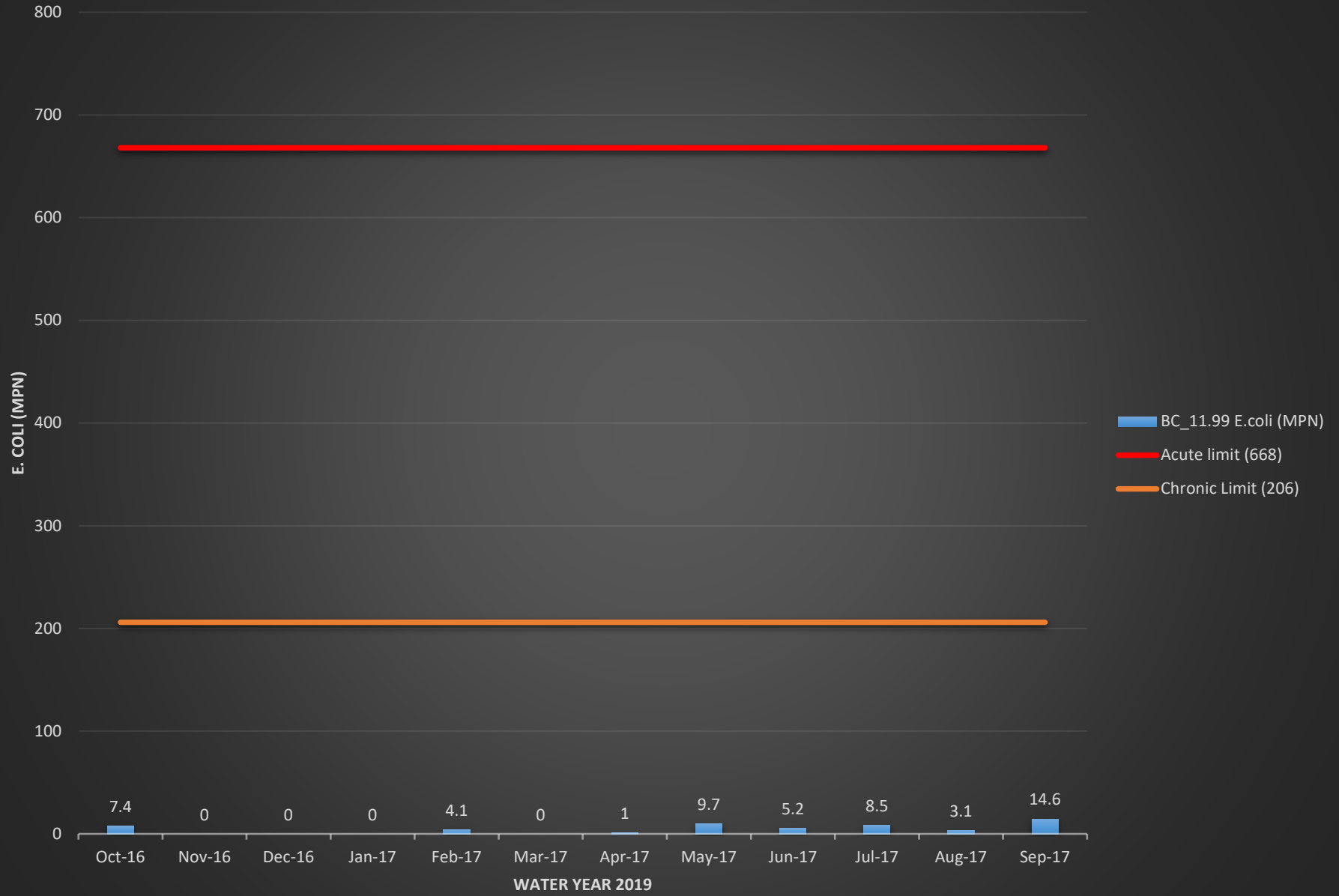
BC_08.83 Conductivity (mS/cm)



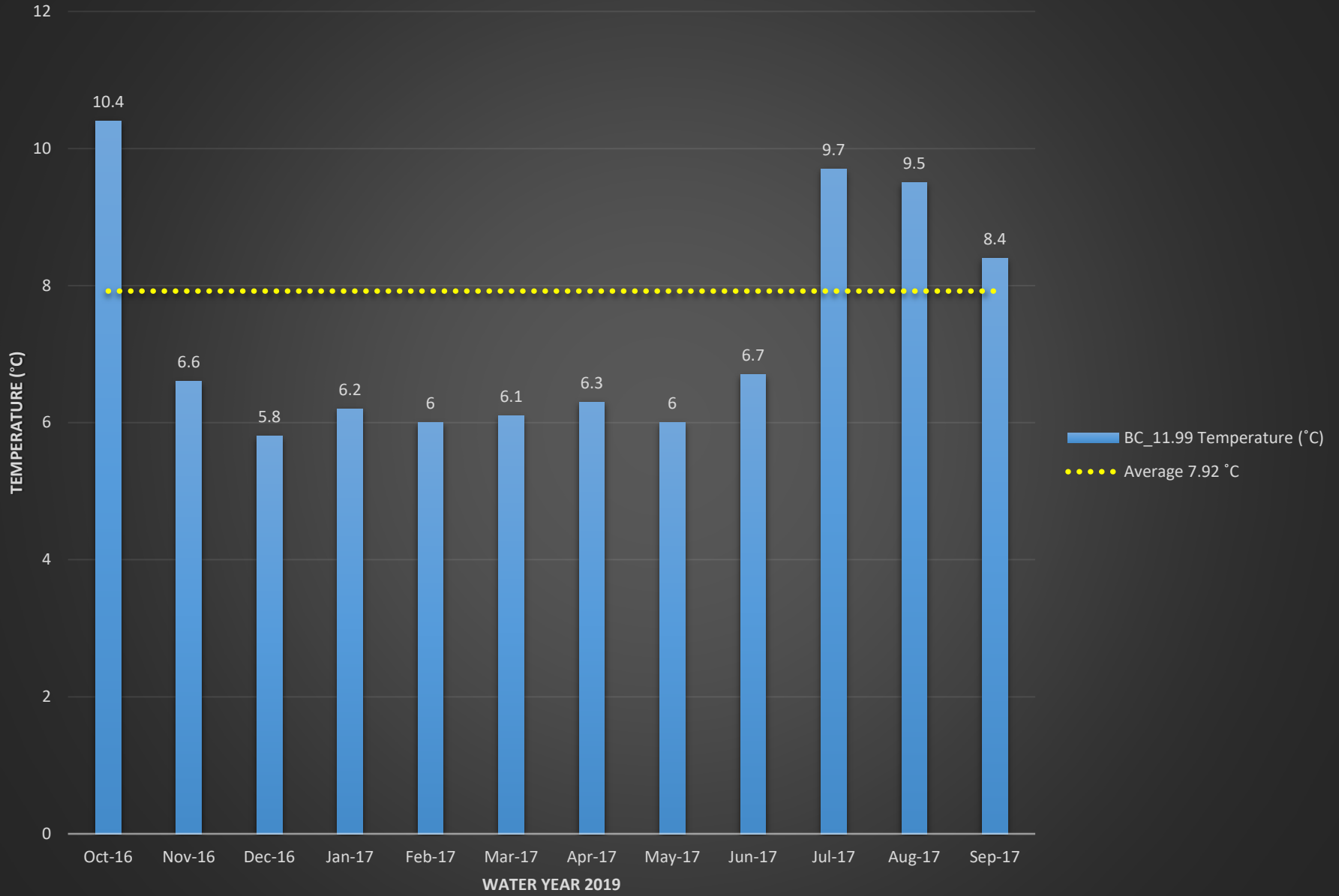
BC_08.83 Turbidity (NTU)



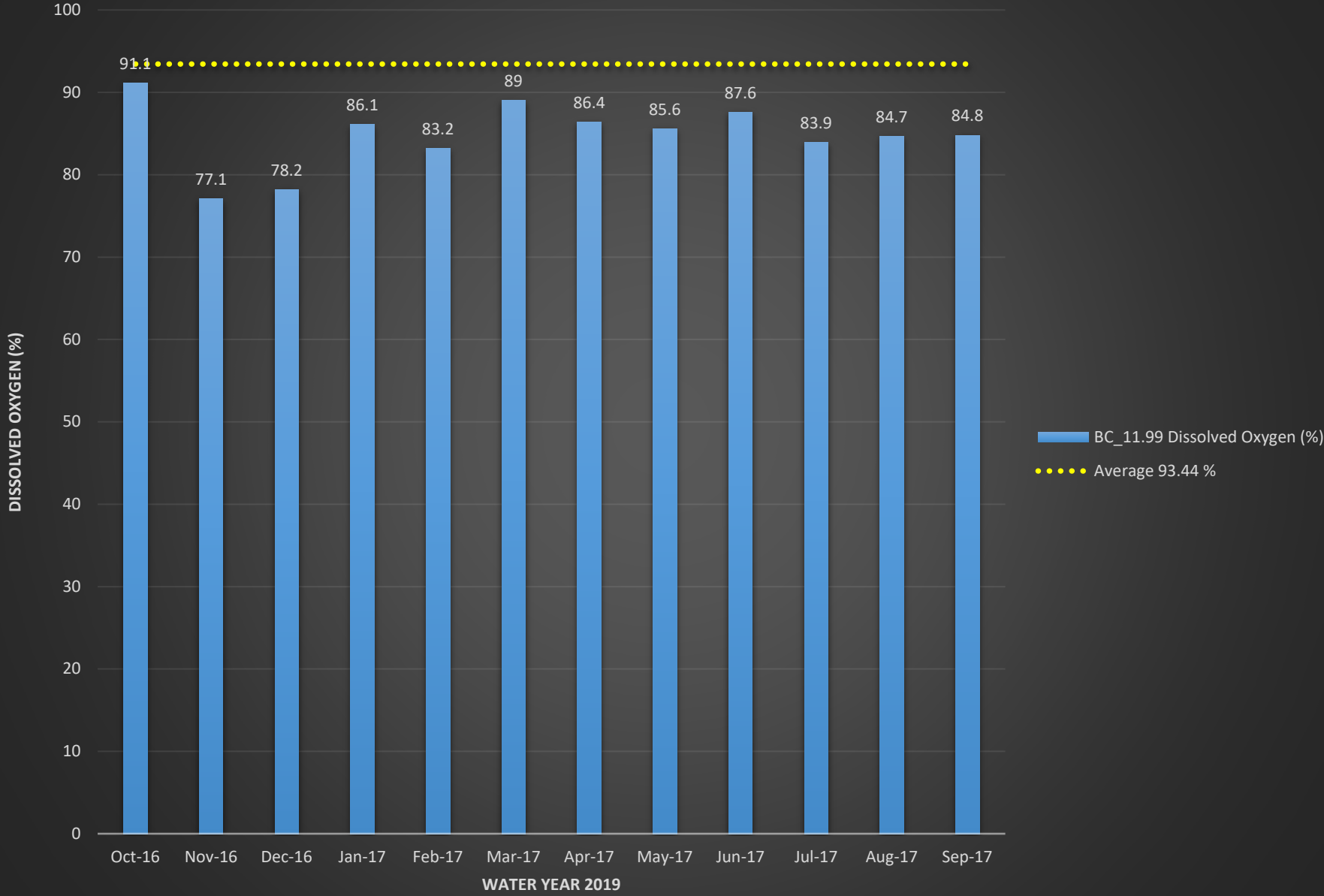
BC_11.99 E.coli (MPN)



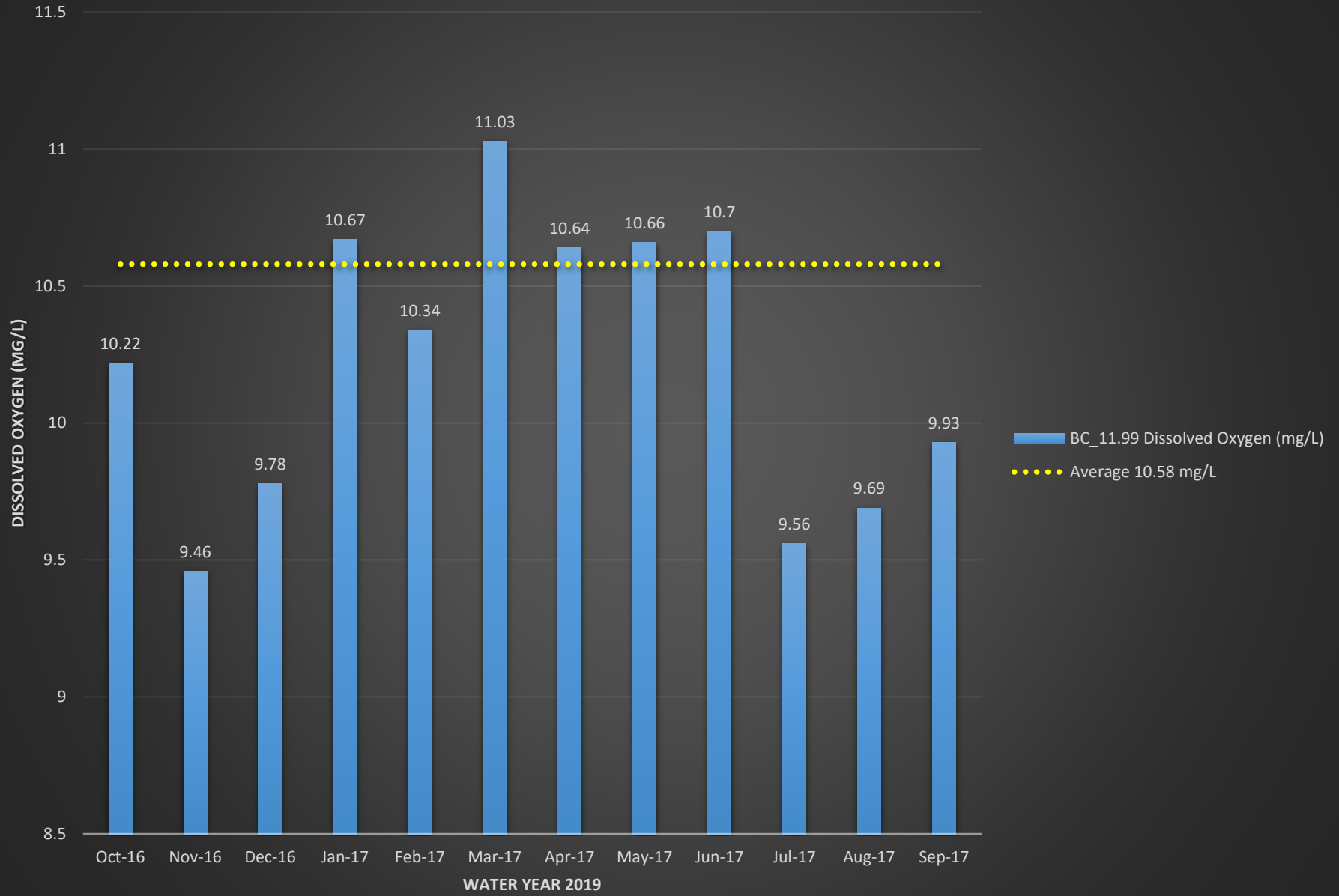
BC_11.99 Temperature (°C)



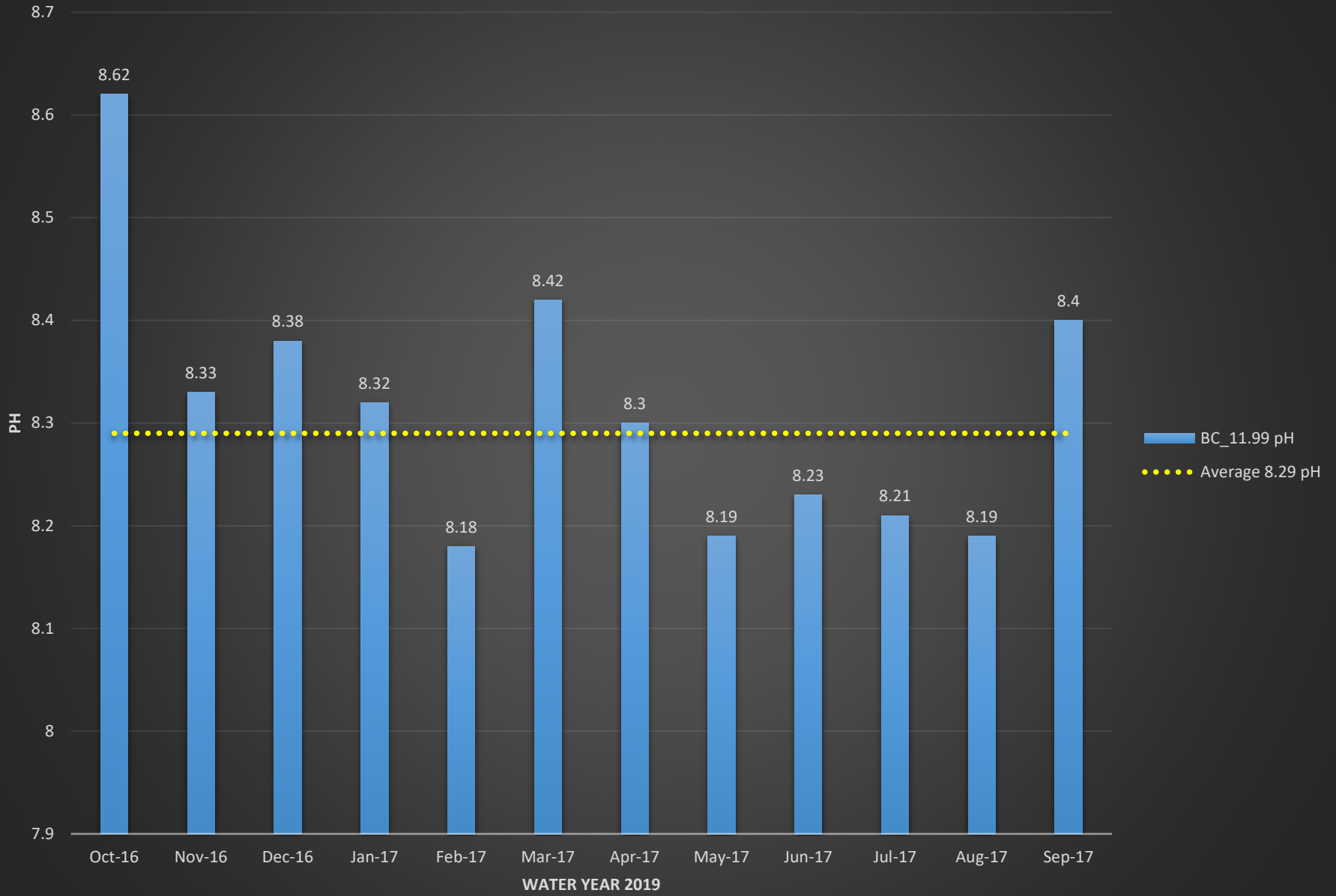
BC_11.99 Dissolved Oxygen (%)



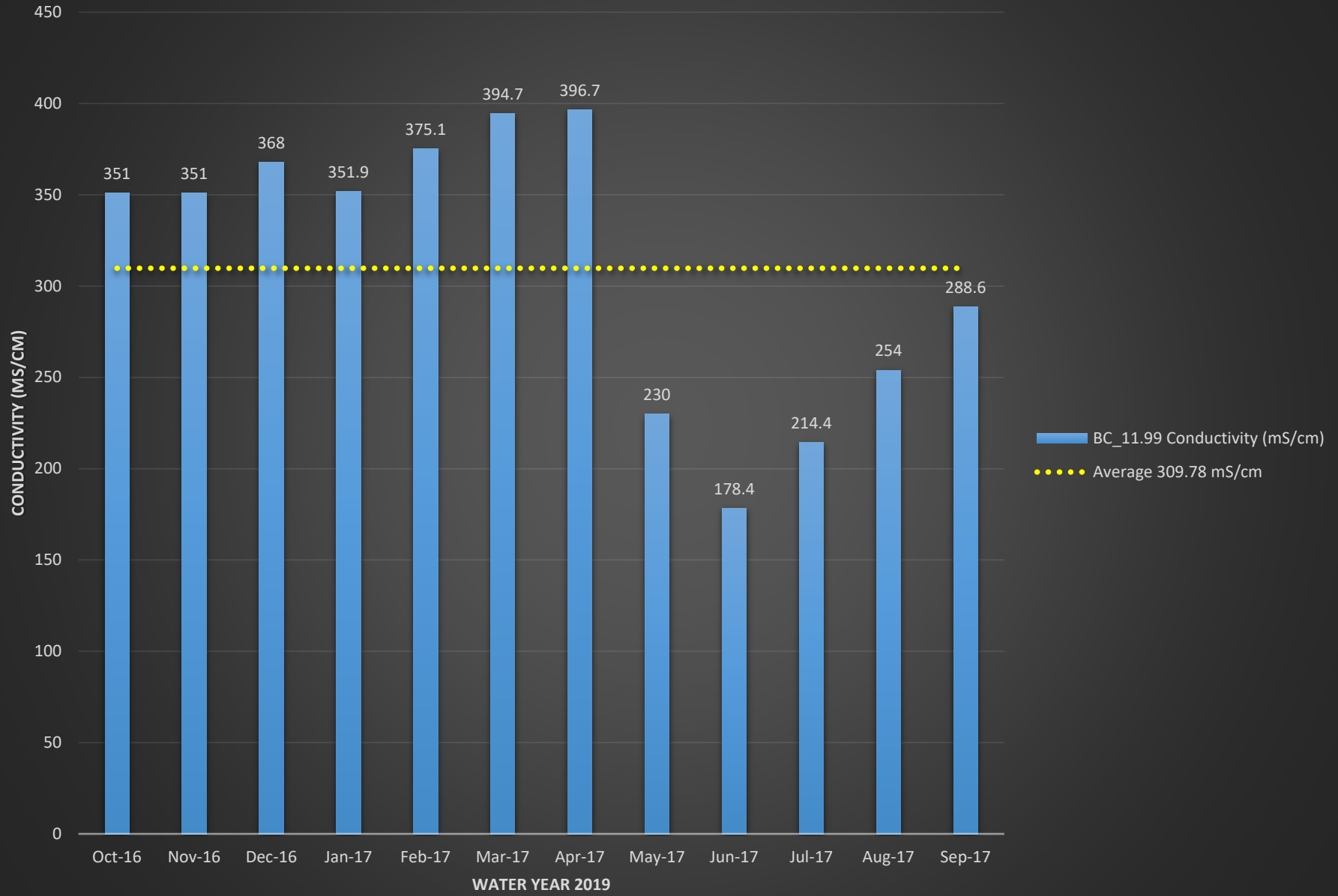
BC_11.99 Dissolved Oxygen (mg/L)



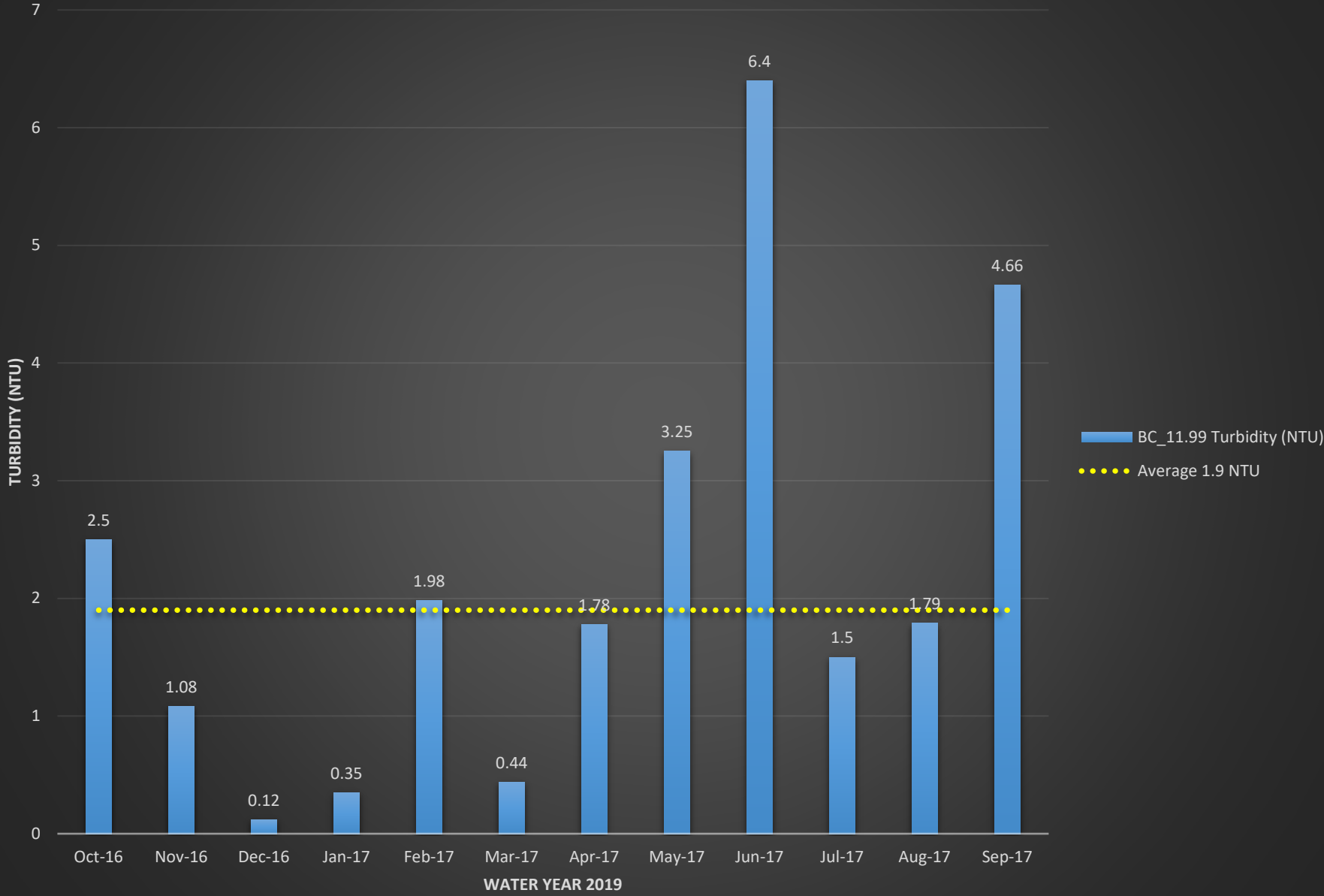
BC_11.99 pH



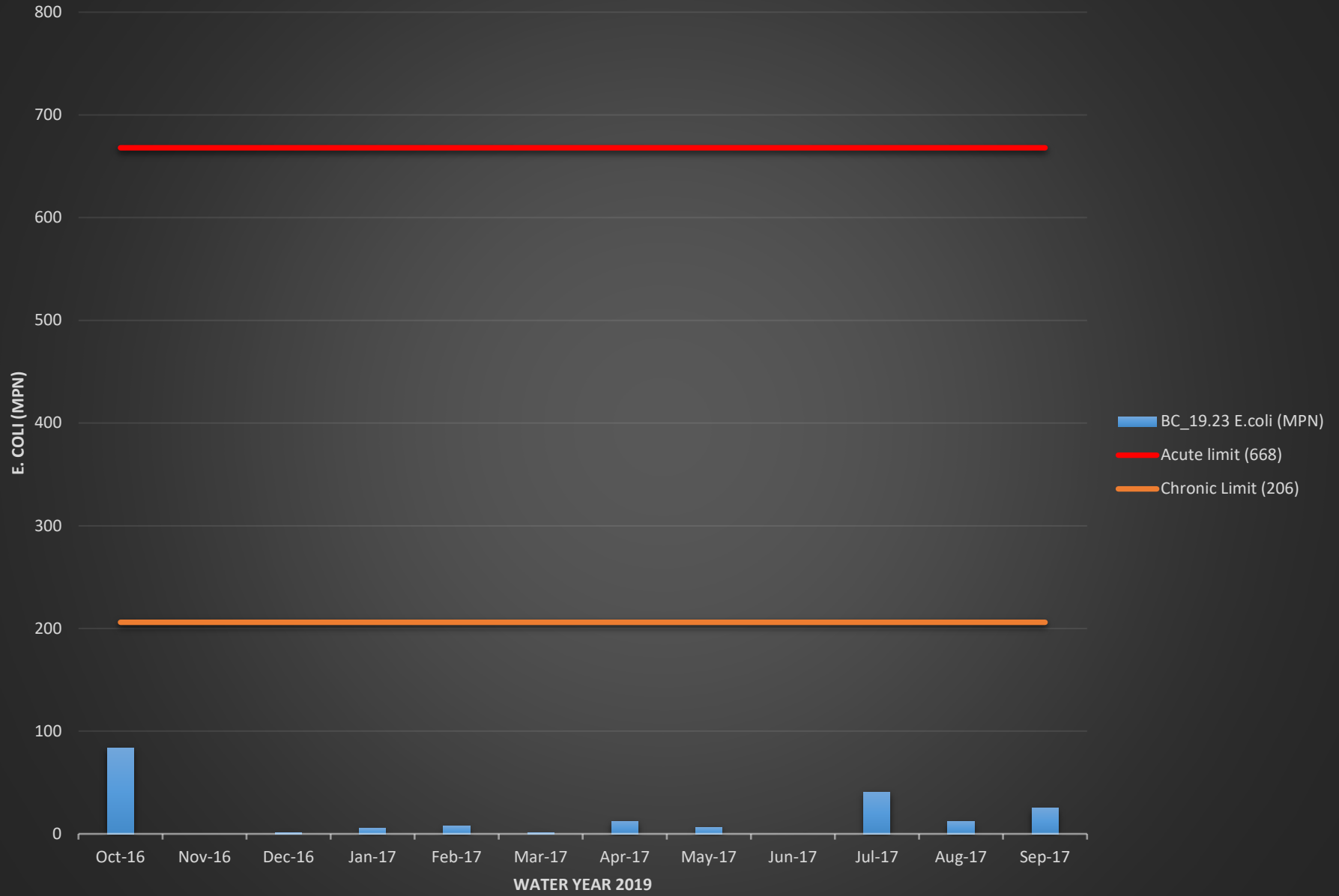
BC_11.99 Conductivity (mS/cm)



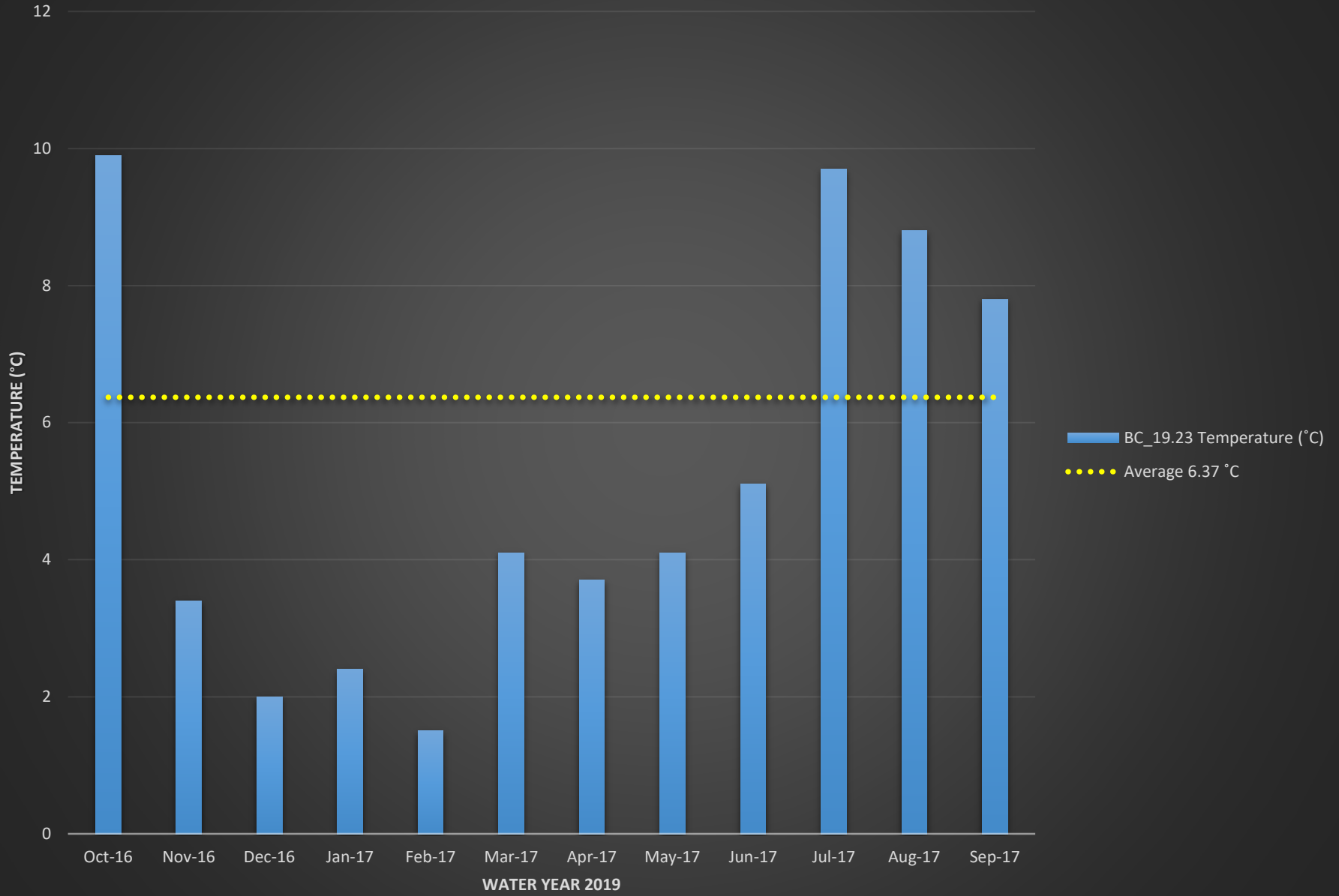
BC_11.99 Turbidity (NTU)



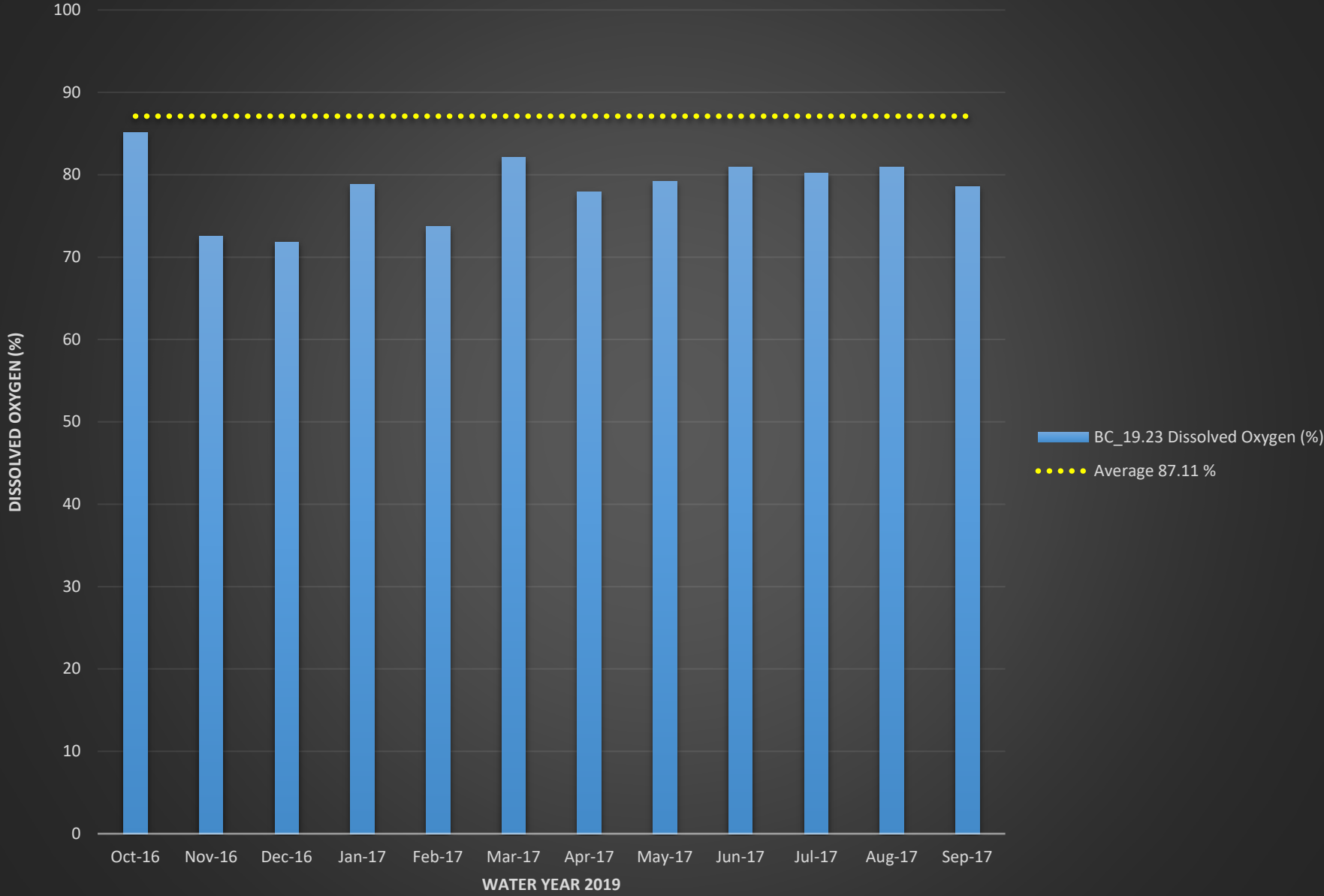
BC_19.23 E.coli (MPN)



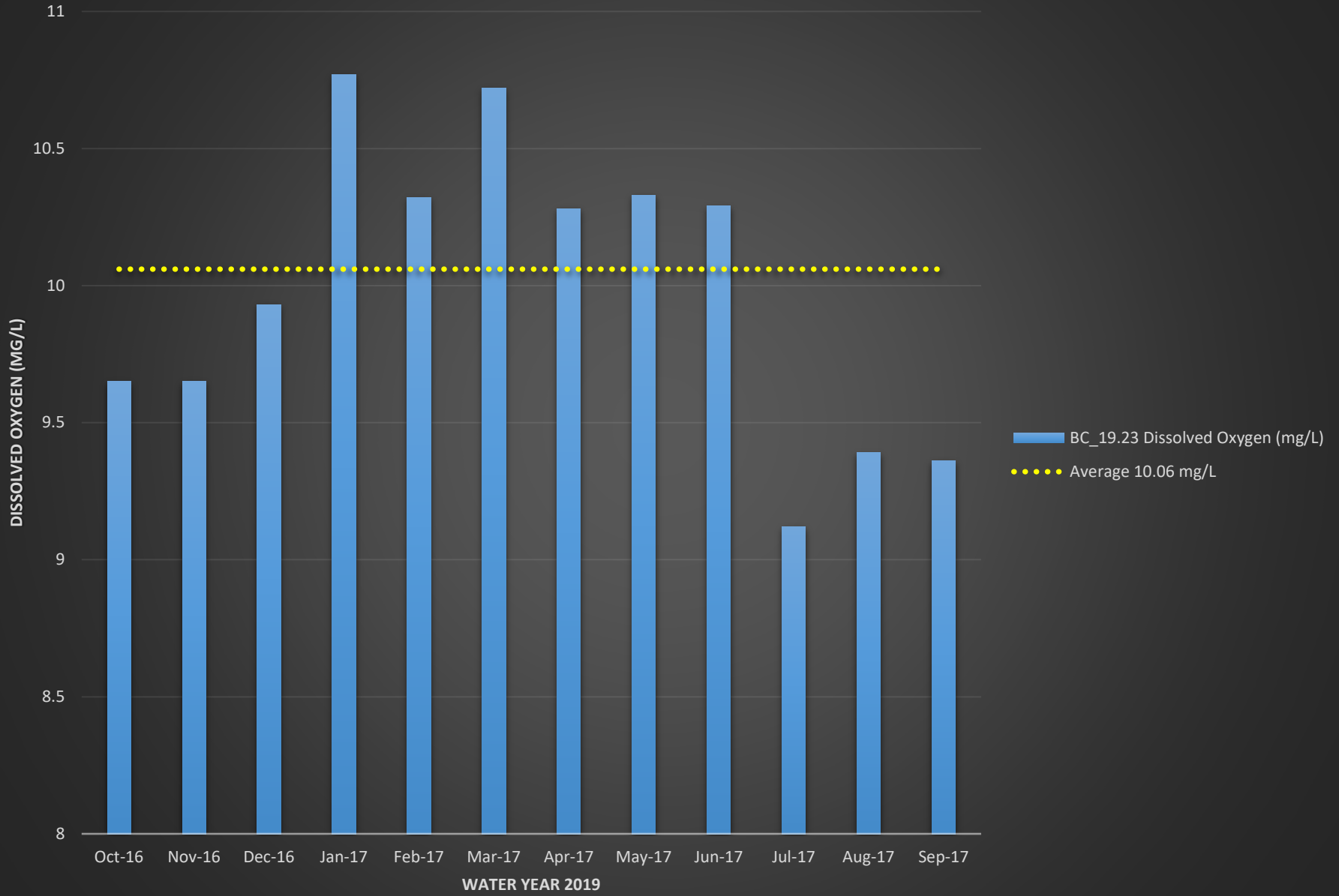
BC_19.23 Temperature (°C)



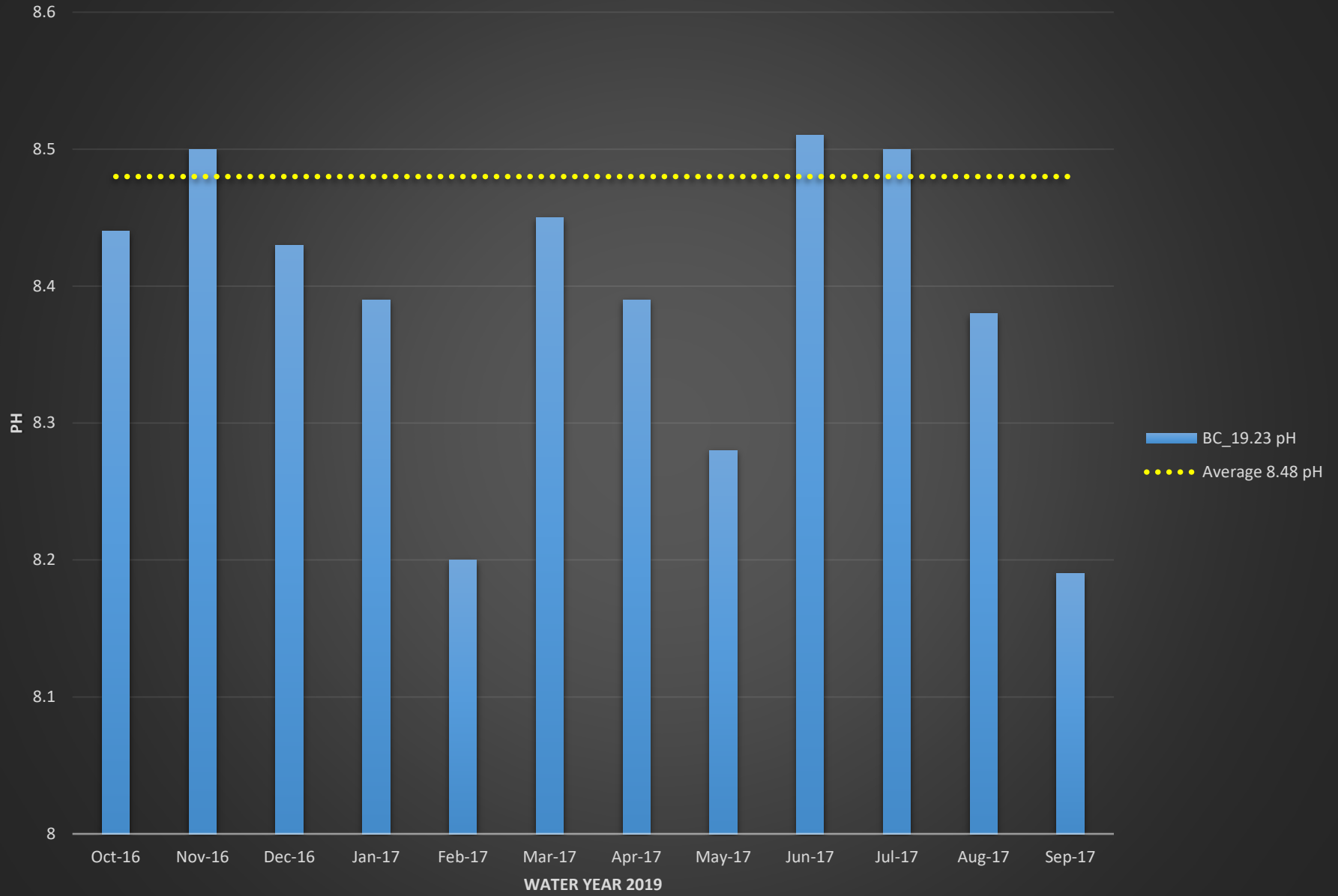
BC_19.23 Dissolved Oxygen (%)



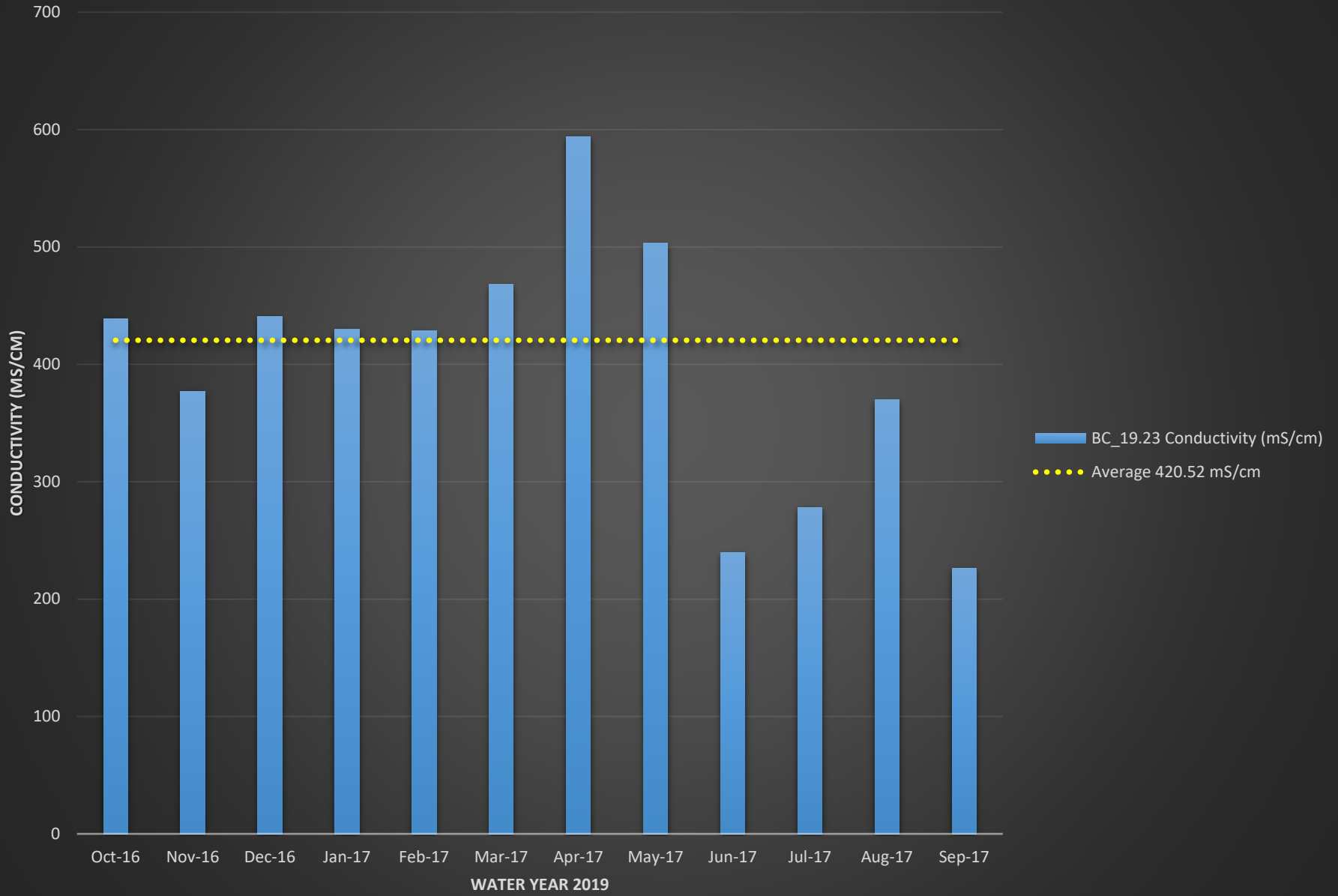
BC_19.23 Dissolved Oxygen (mg/L)



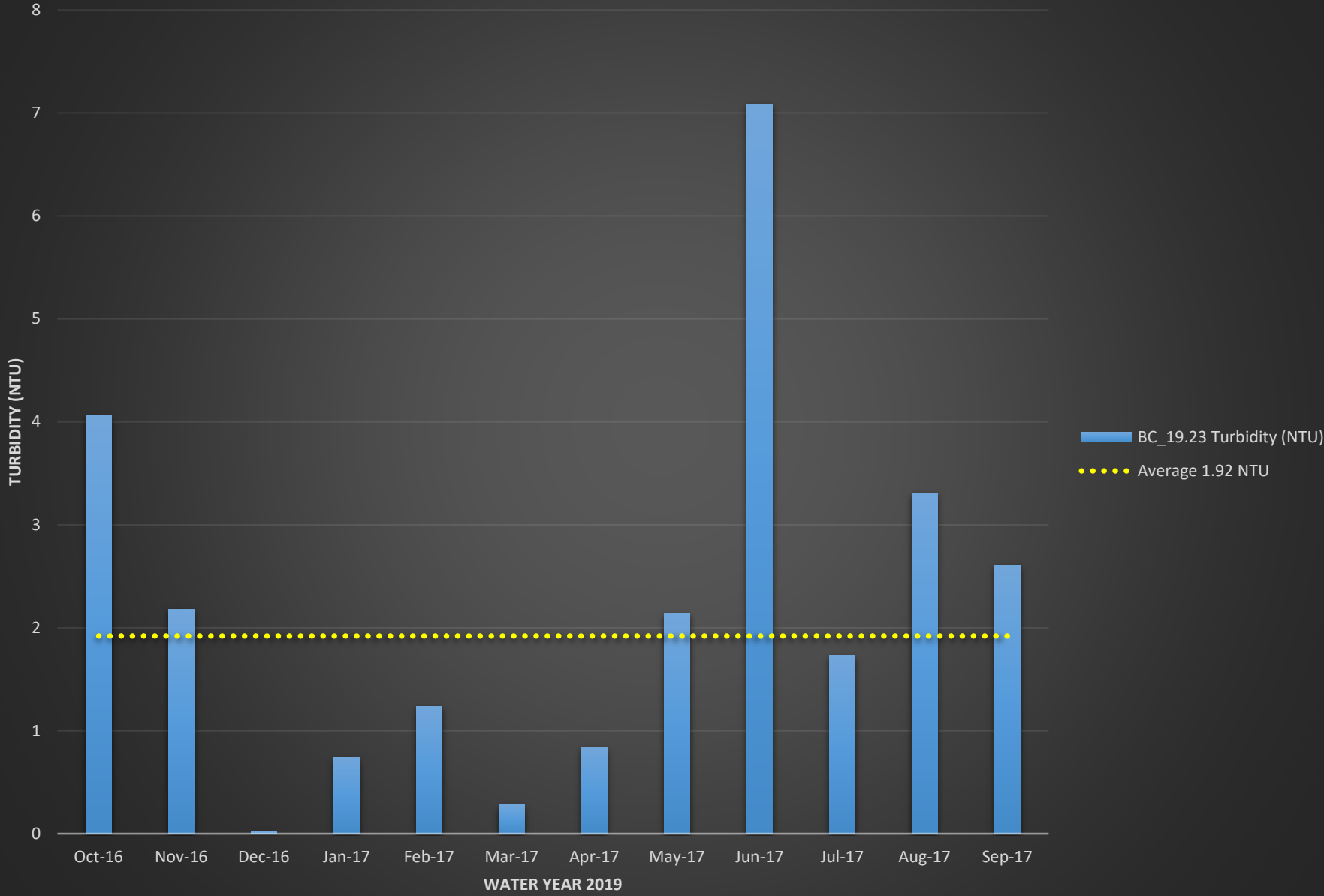
BC_19.23 pH



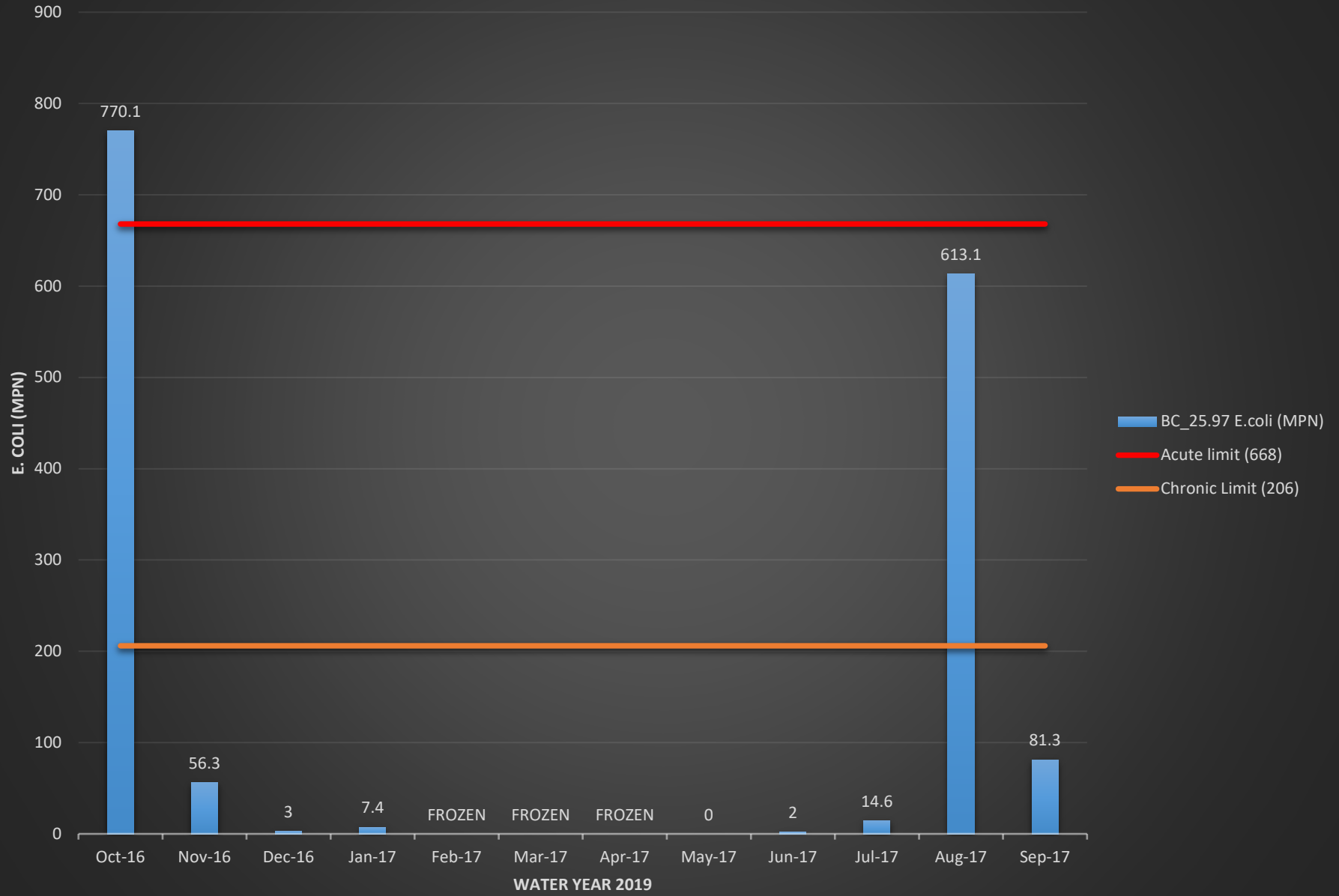
BC_19.23 Conductivity (mS/cm)



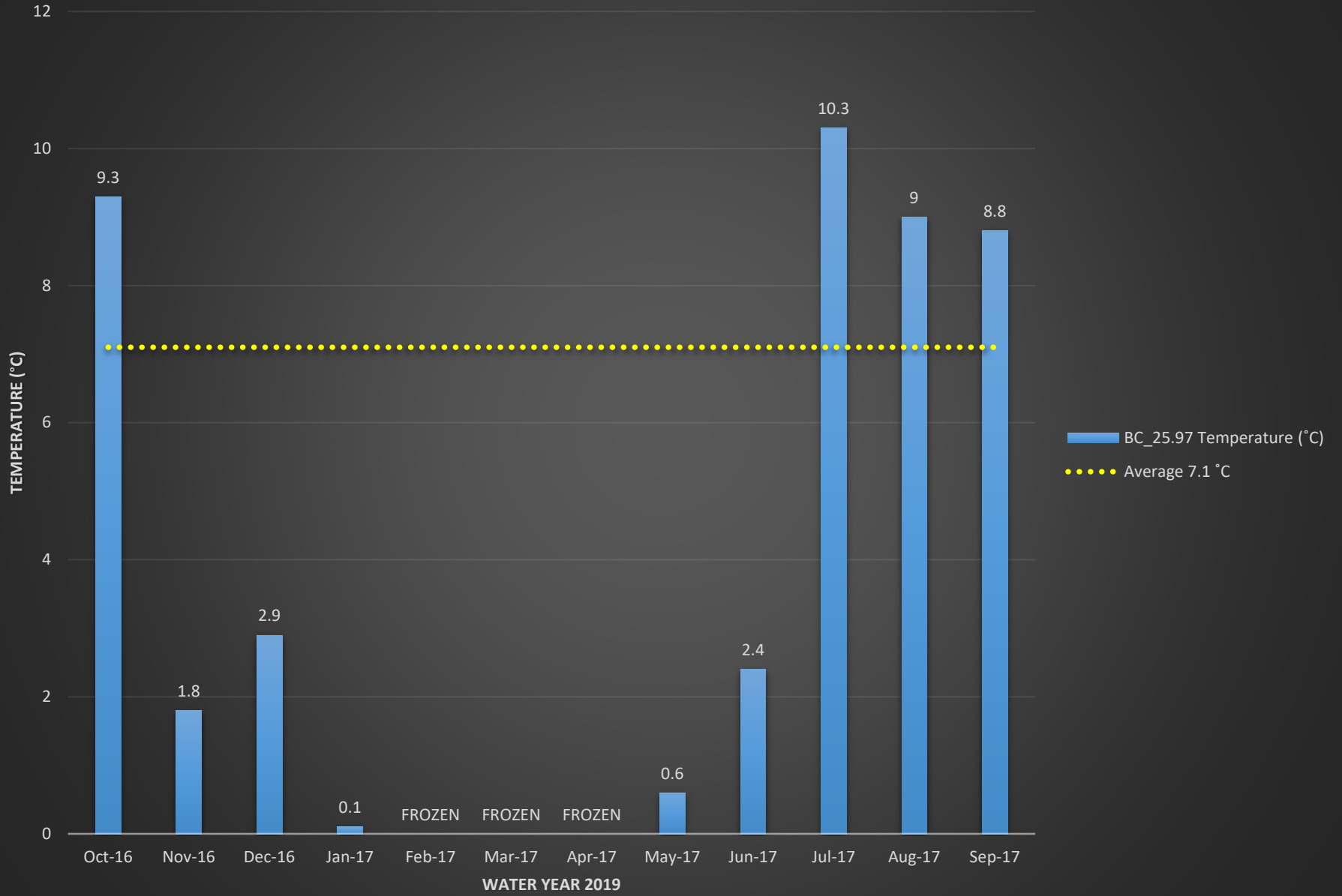
BC_19.23 Turbidity (NTU)



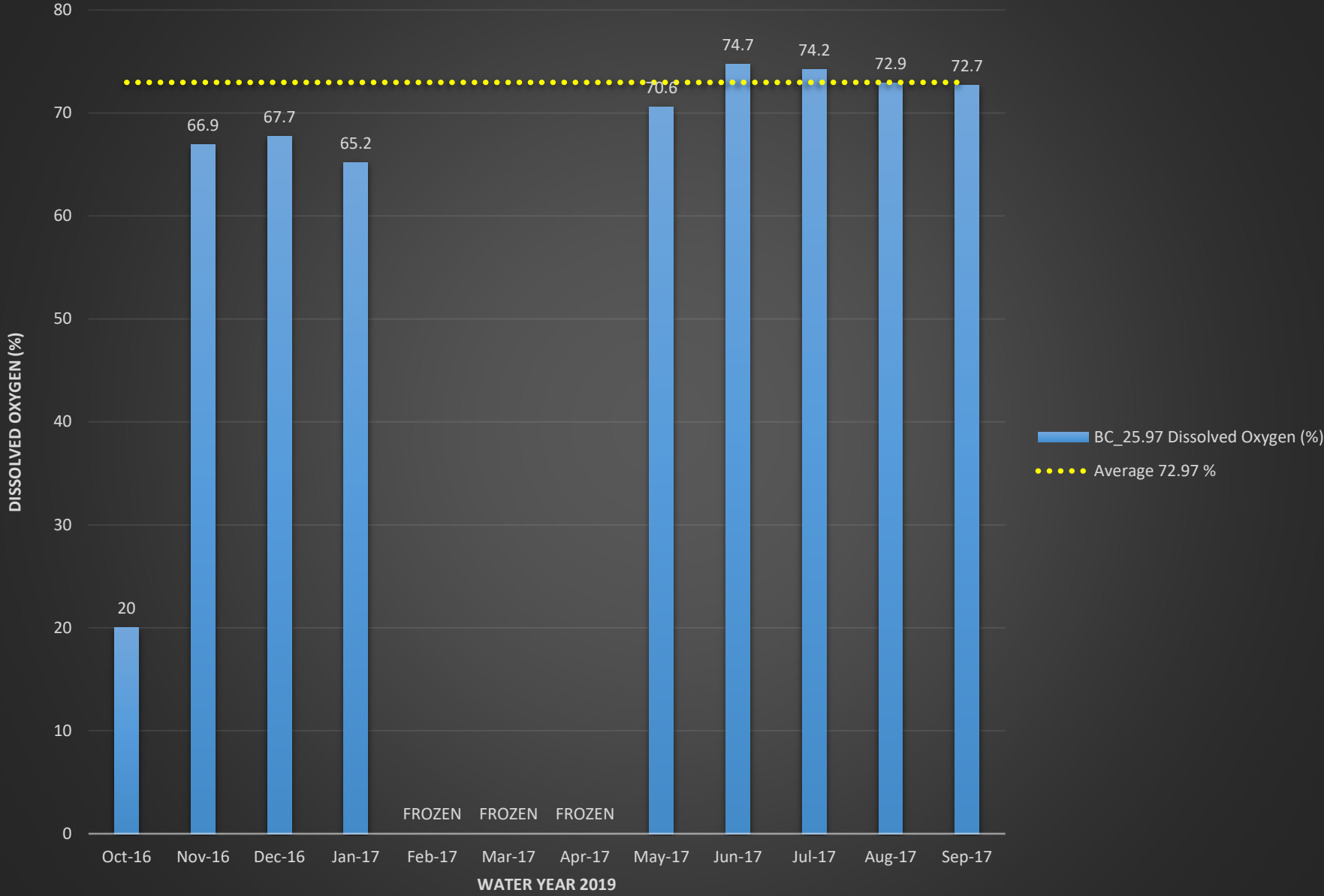
BC_25.97 E.coli (MPN)



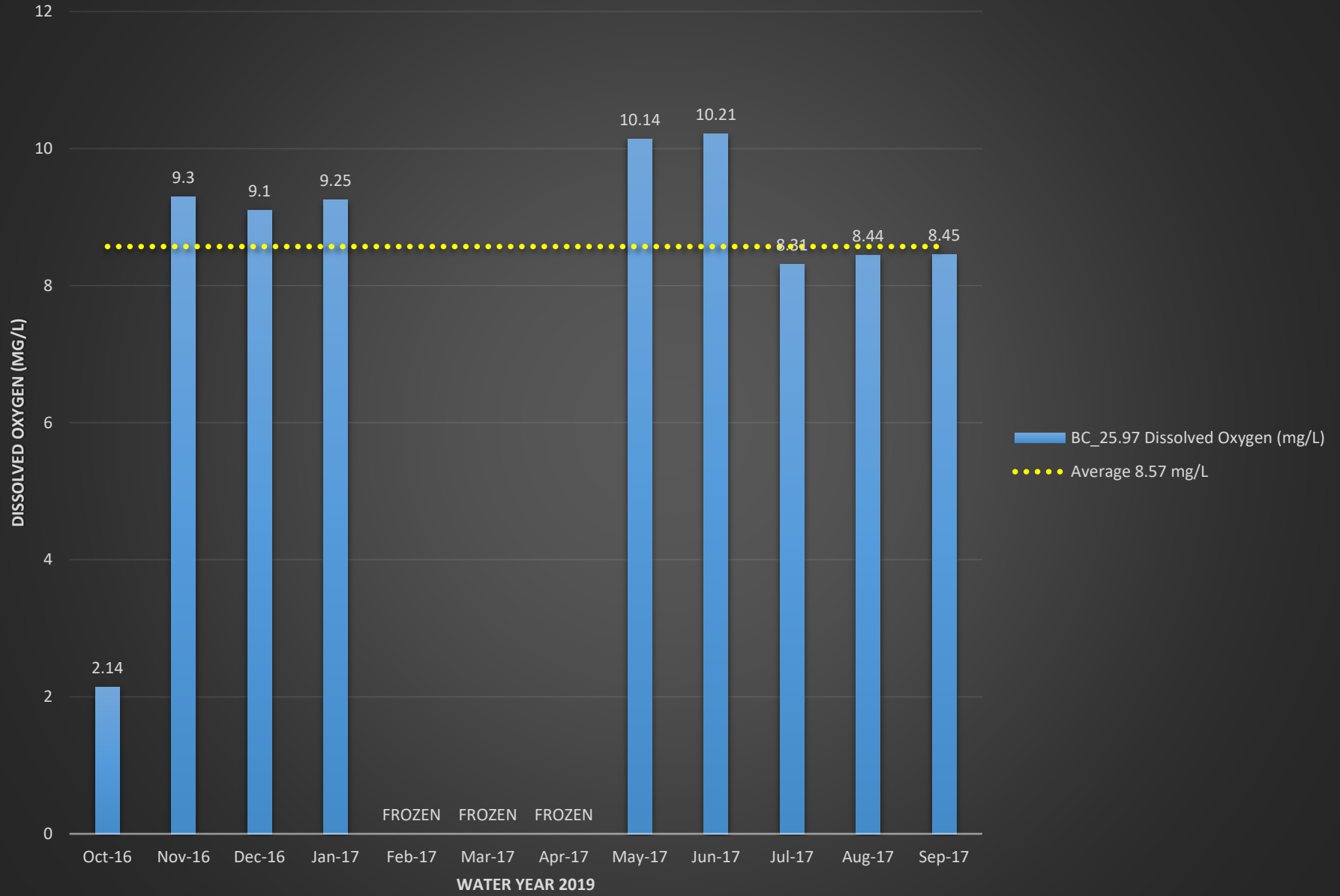
BC_25.97 Temperature (°C)



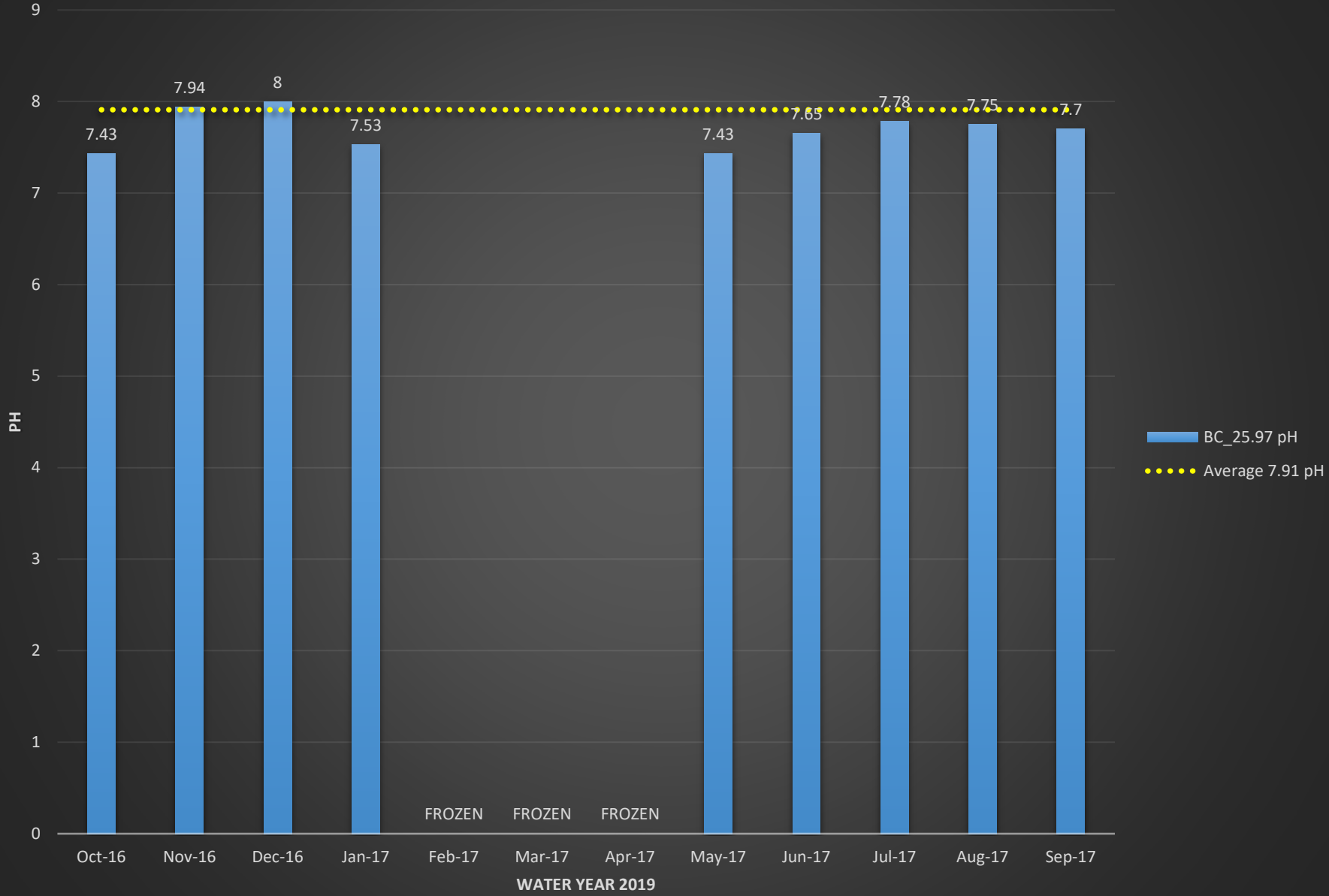
BC_25.97 Dissolved Oxygen (%)



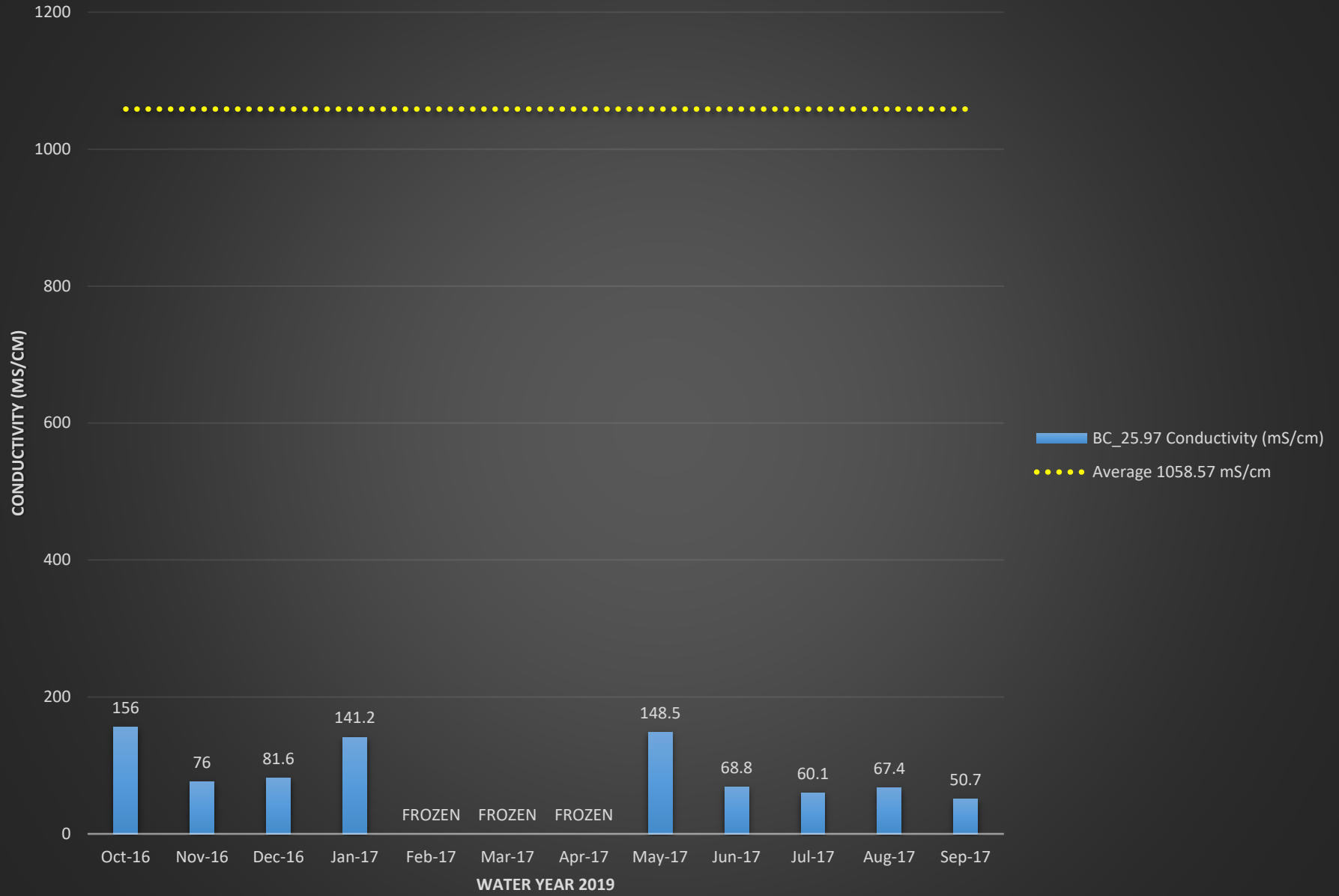
BC_25.97 Dissolved Oxygen (mg/L)



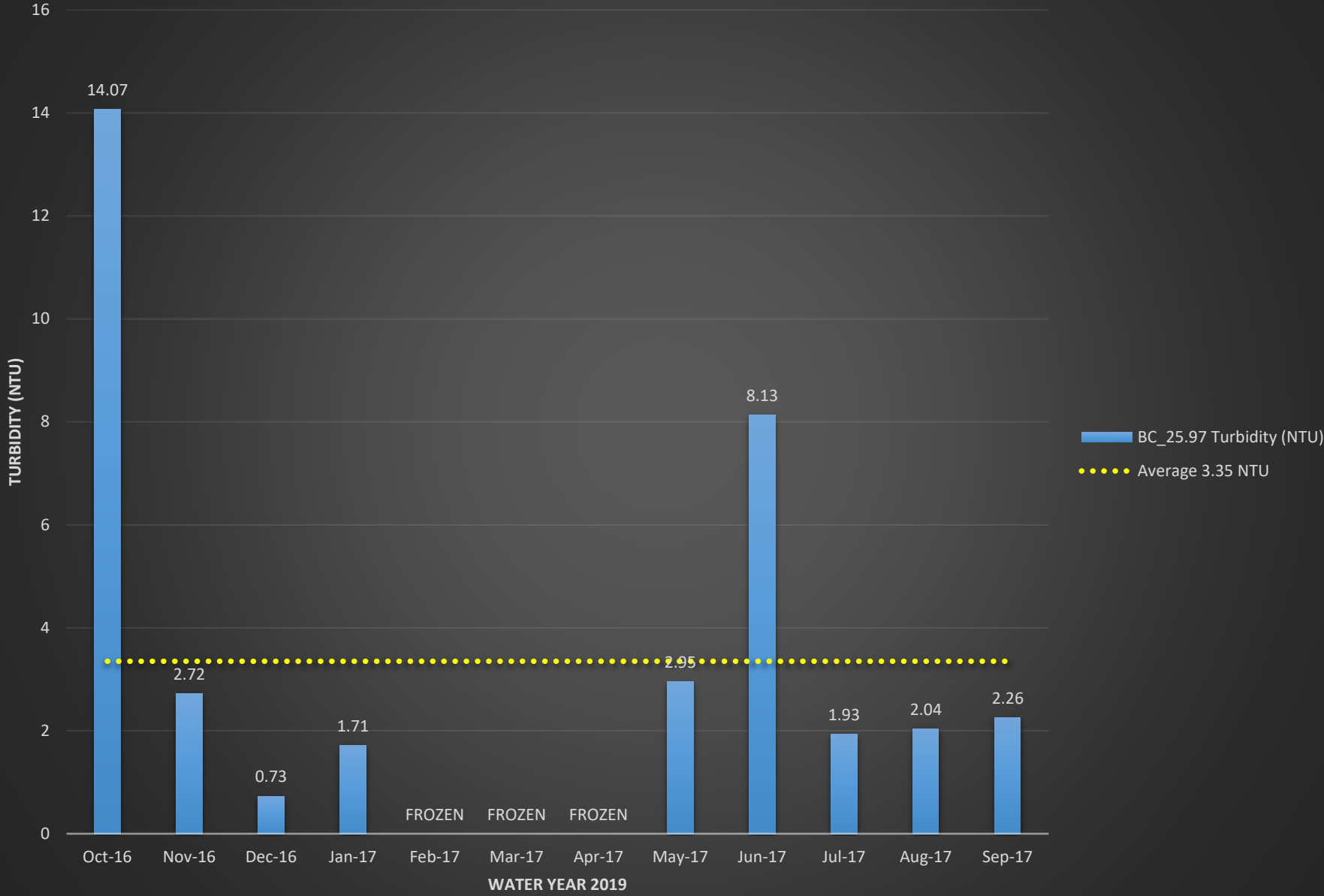
BC_25.97 pH



BC_25.97 Conductivity (mS/cm)

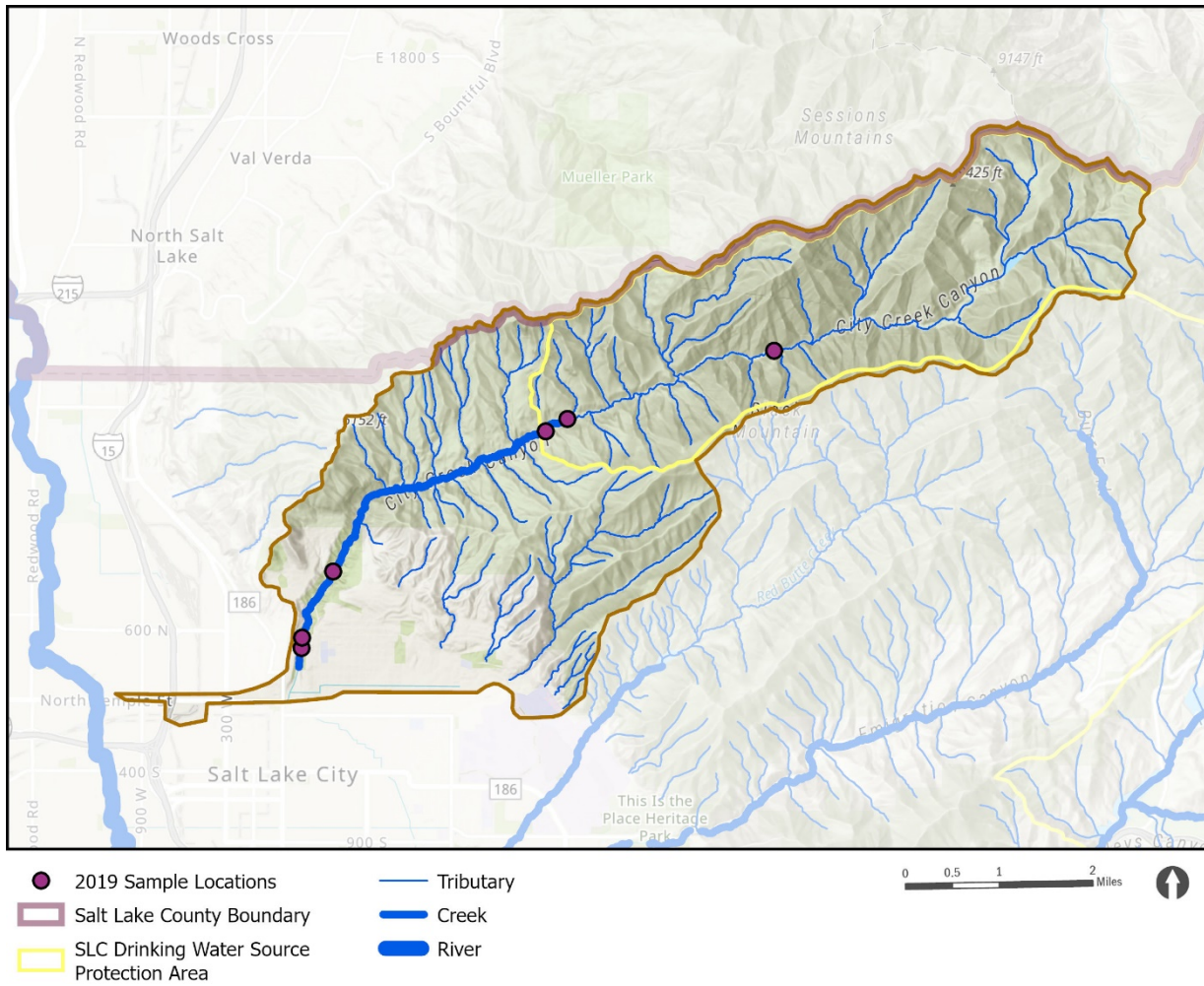


BC_25.97 Turbidity (NTU)

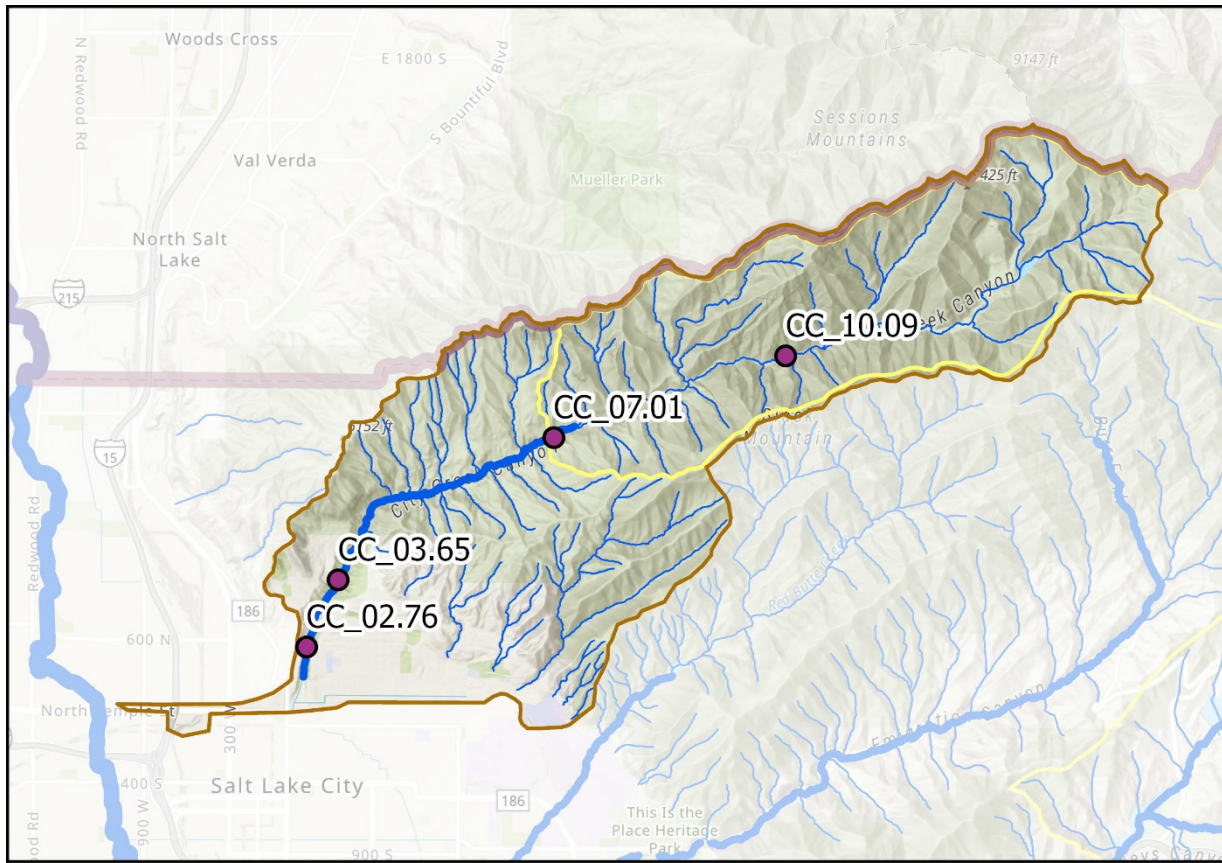


CITY CREEK SUBWATERSHED

Subwatershed Map with All Sample Sites



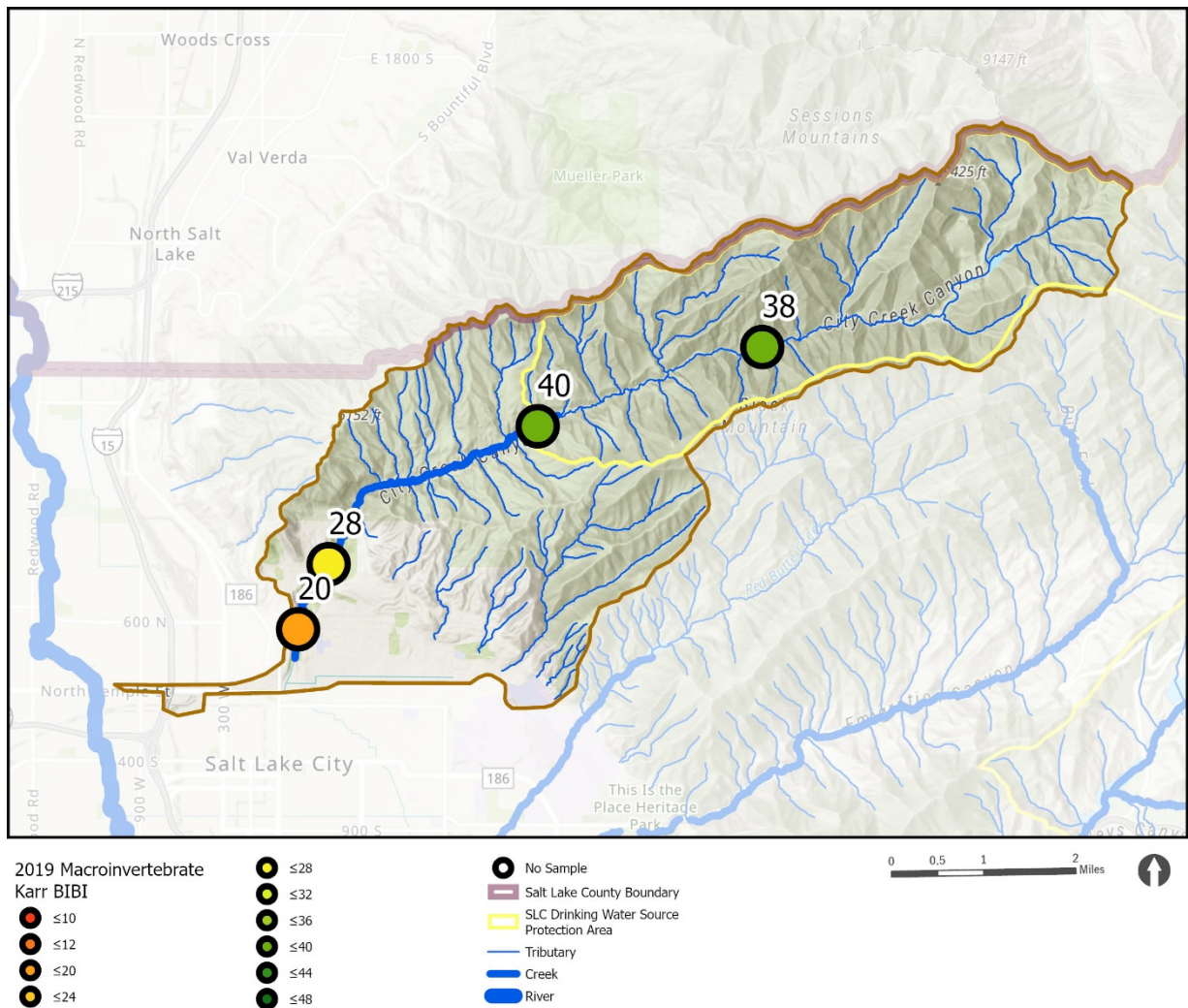
Subwatershed Map with Macroinvertebrate Sample Sites



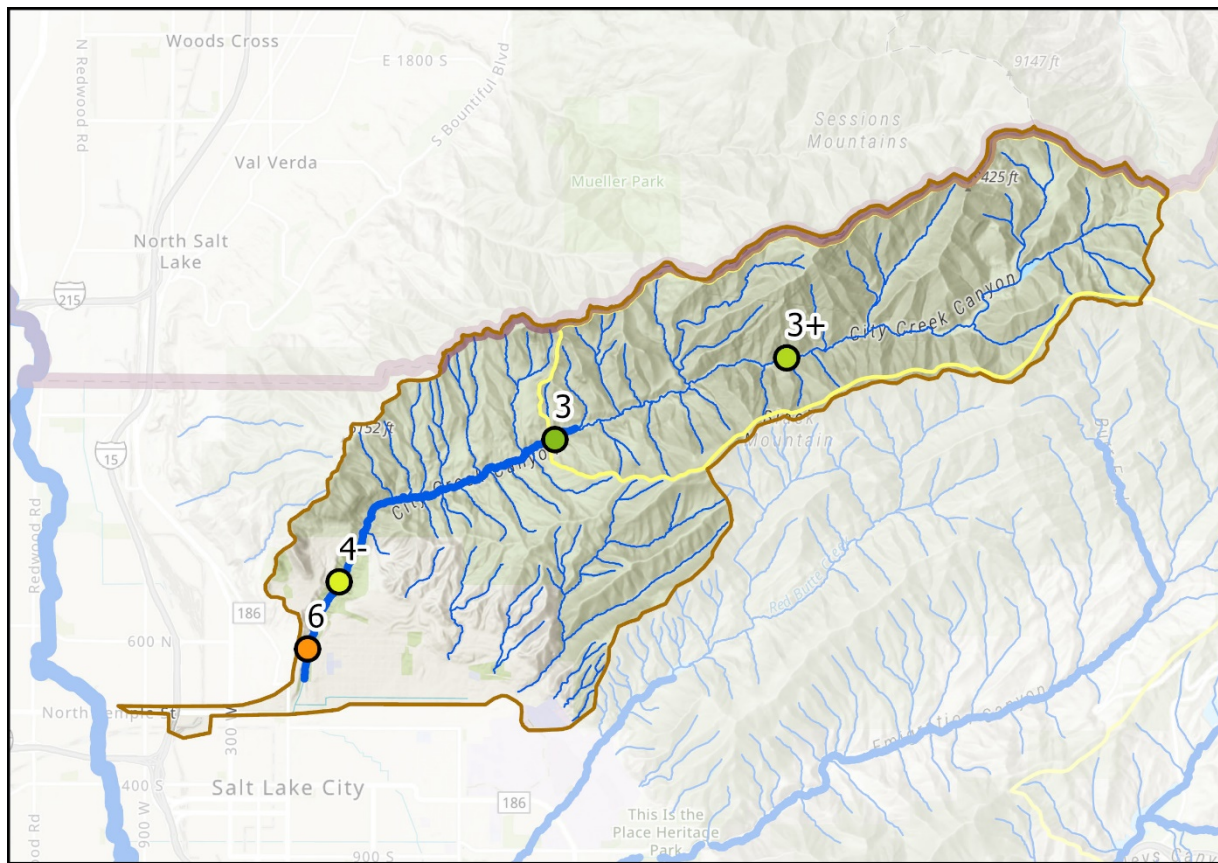
- 2019 Macroinvertebrate Sample Locations
- Salt Lake County Boundary
- SLC Drinking Water Source Protection Area
- Tributary
- Creek
- River



Macroinvertebrate Karr-BIBI Results



Macroinvertebrate Biological Condition Gradient (BCG) Results



2019 Macroinvertebrate Biological Condition Gradient

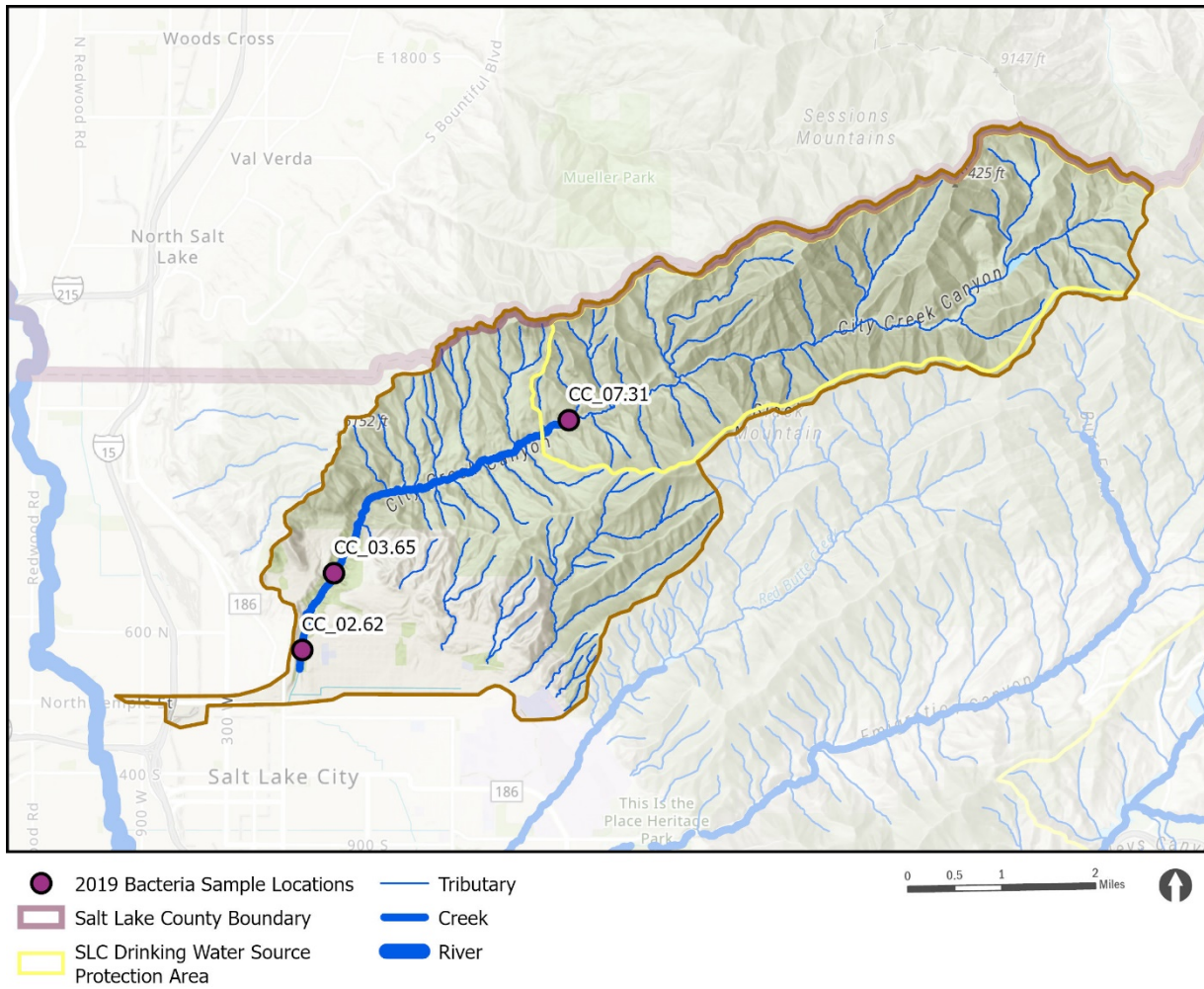
- 2-
- 2
- 3-
- 3
- 3+

- 4-
- 4
- 5
- 5+
- 6
- 6+

- No Sample
- Salt Lake County Boundary
- SLC Drinking Water Source Protection Area
- Tributary
- Creek
- River



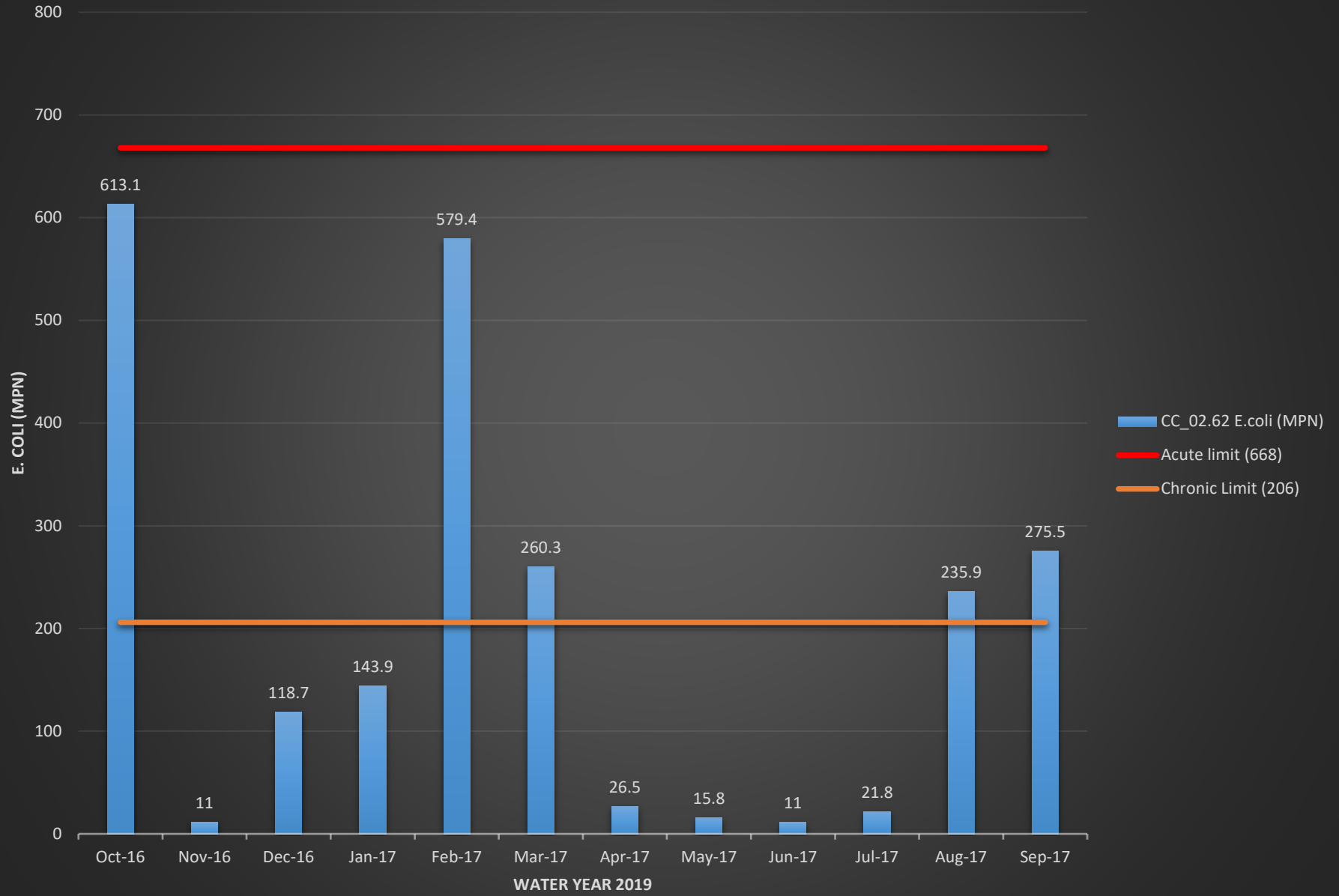
Subwatershed Map with Bacteria Sample Sites



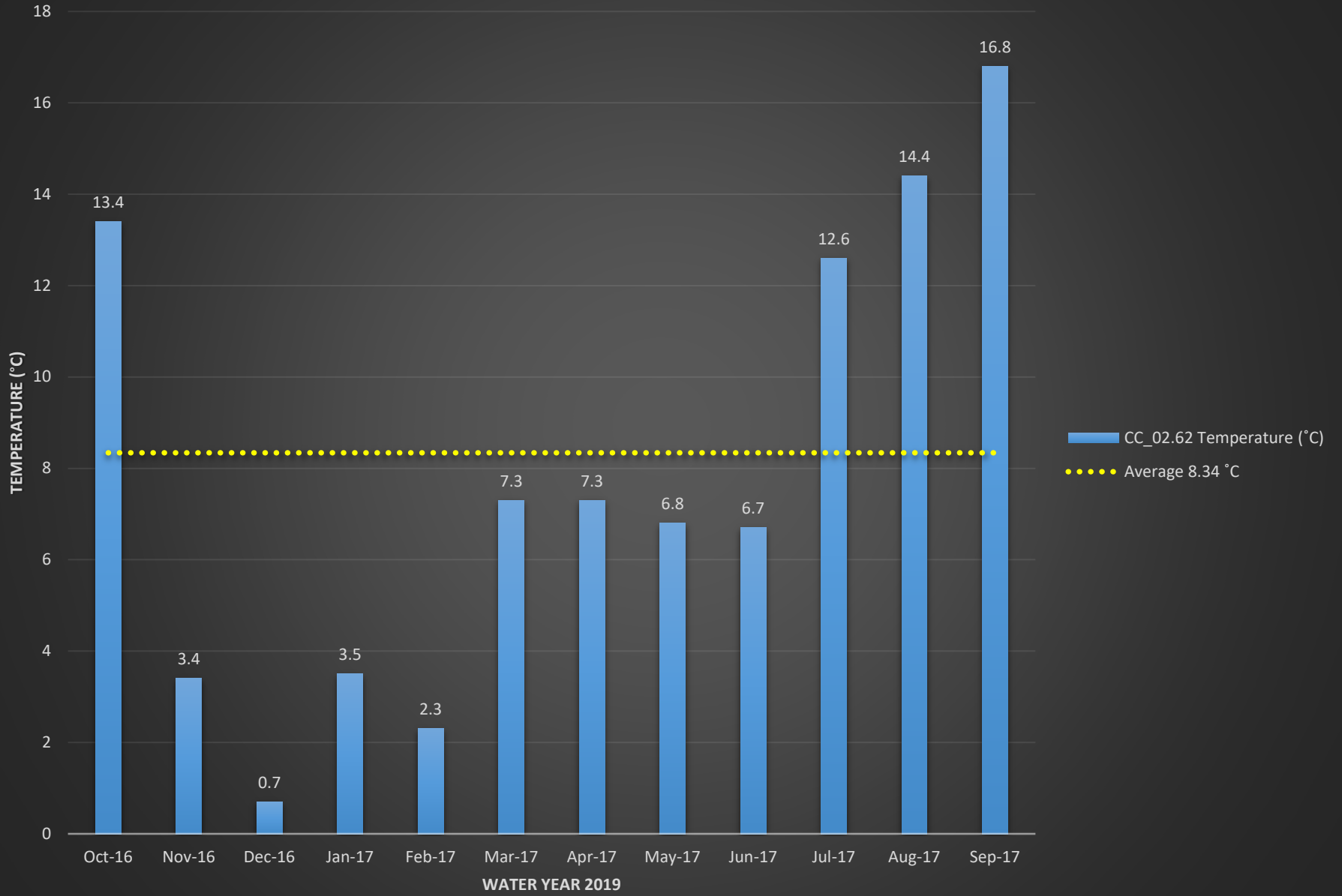
E.coli & Field Parameter Graphs

Graphs begin on next page...

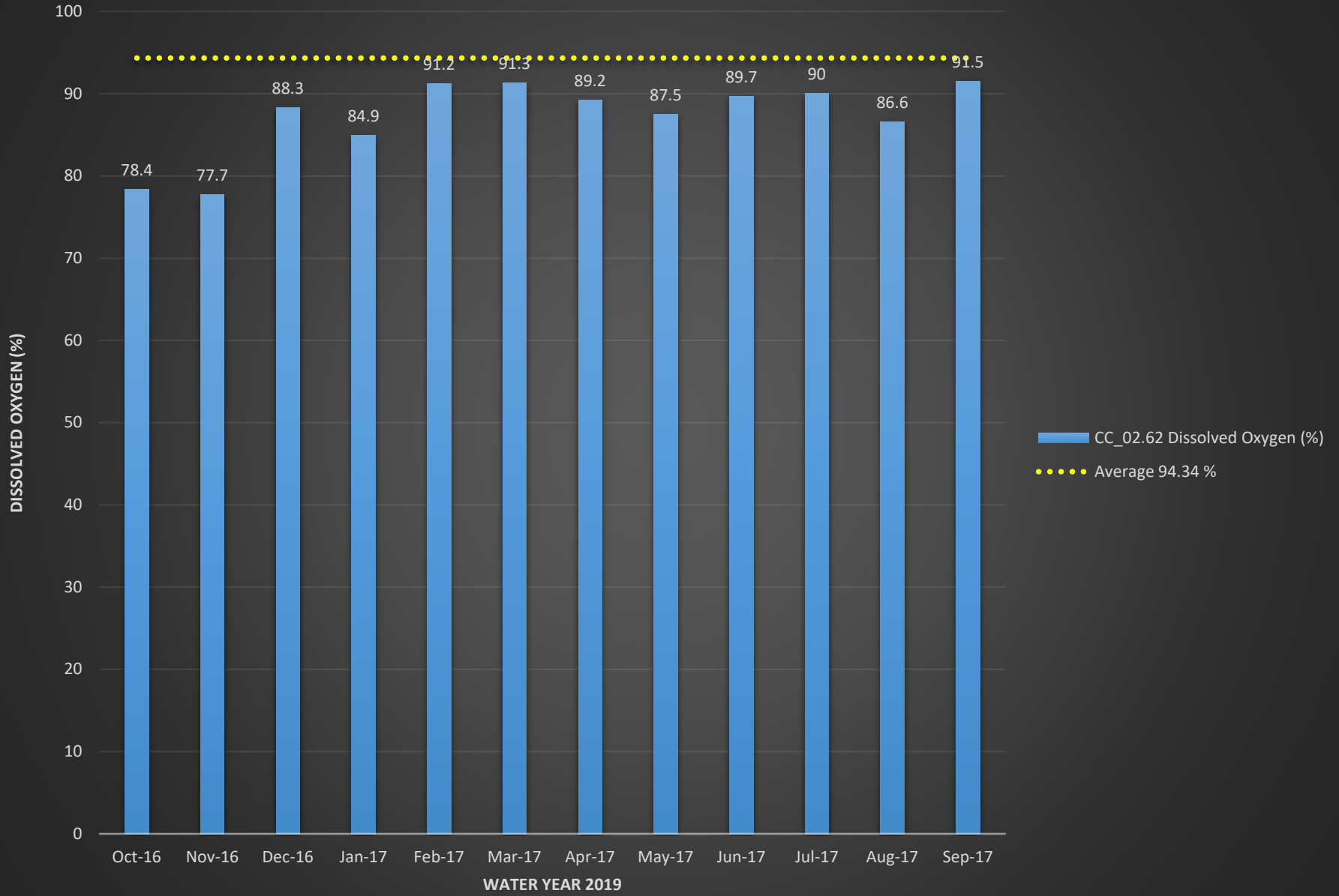
CC_02.62 E.coli (MPN)



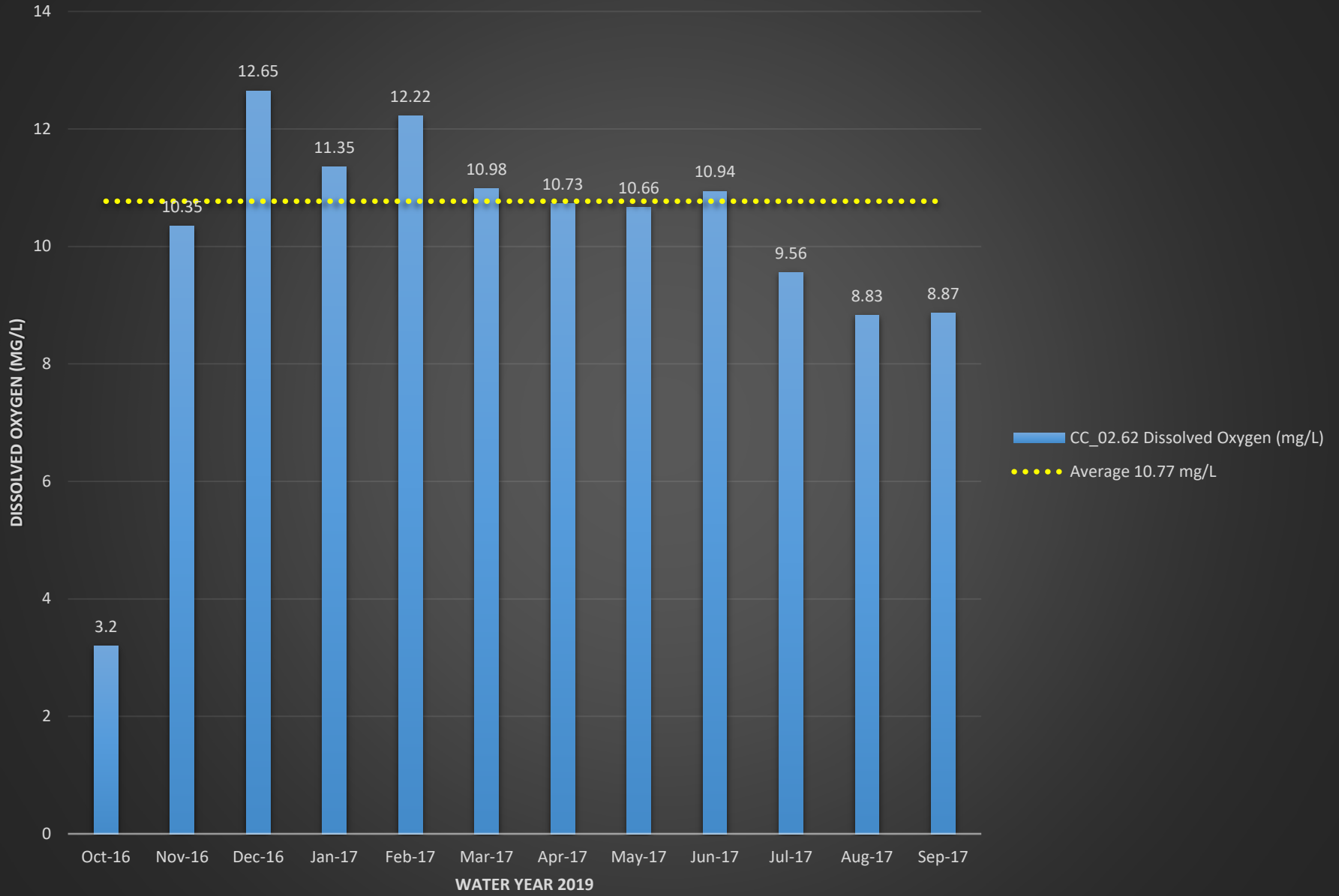
CC_02.62 Temperature (°C)



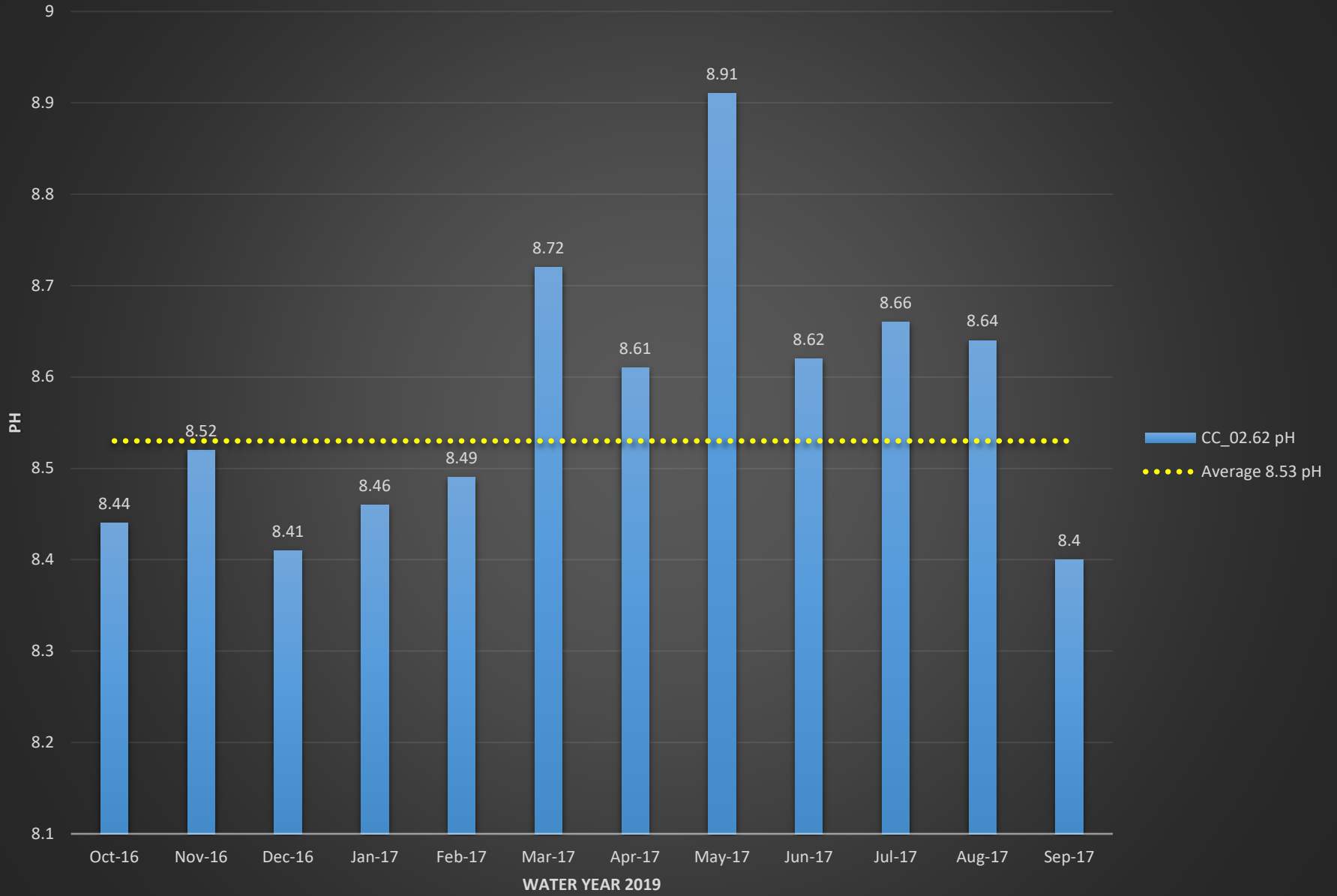
CC_02.62 Dissolved Oxygen (%)



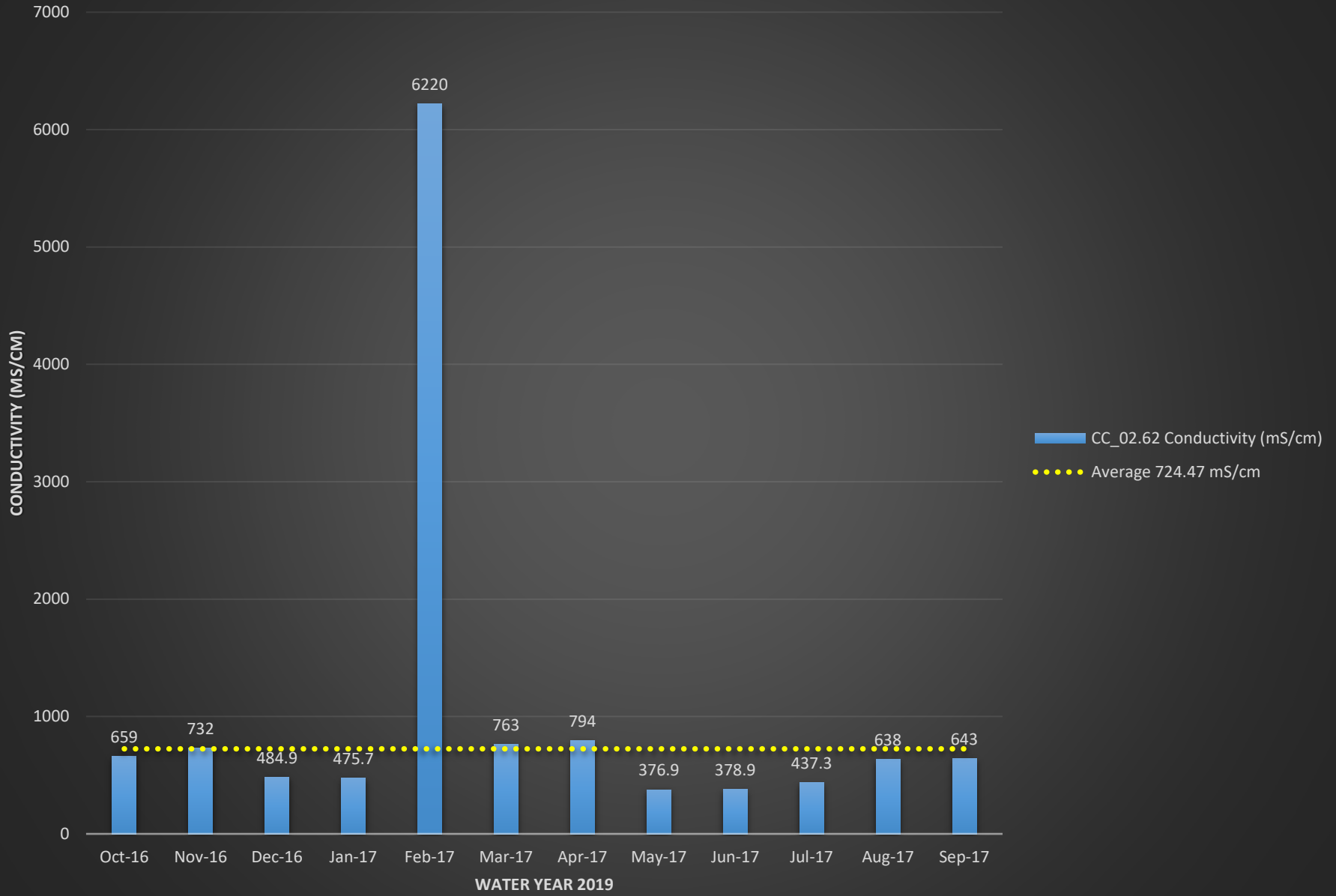
CC_02.62 Dissolved Oxygen (mg/L)



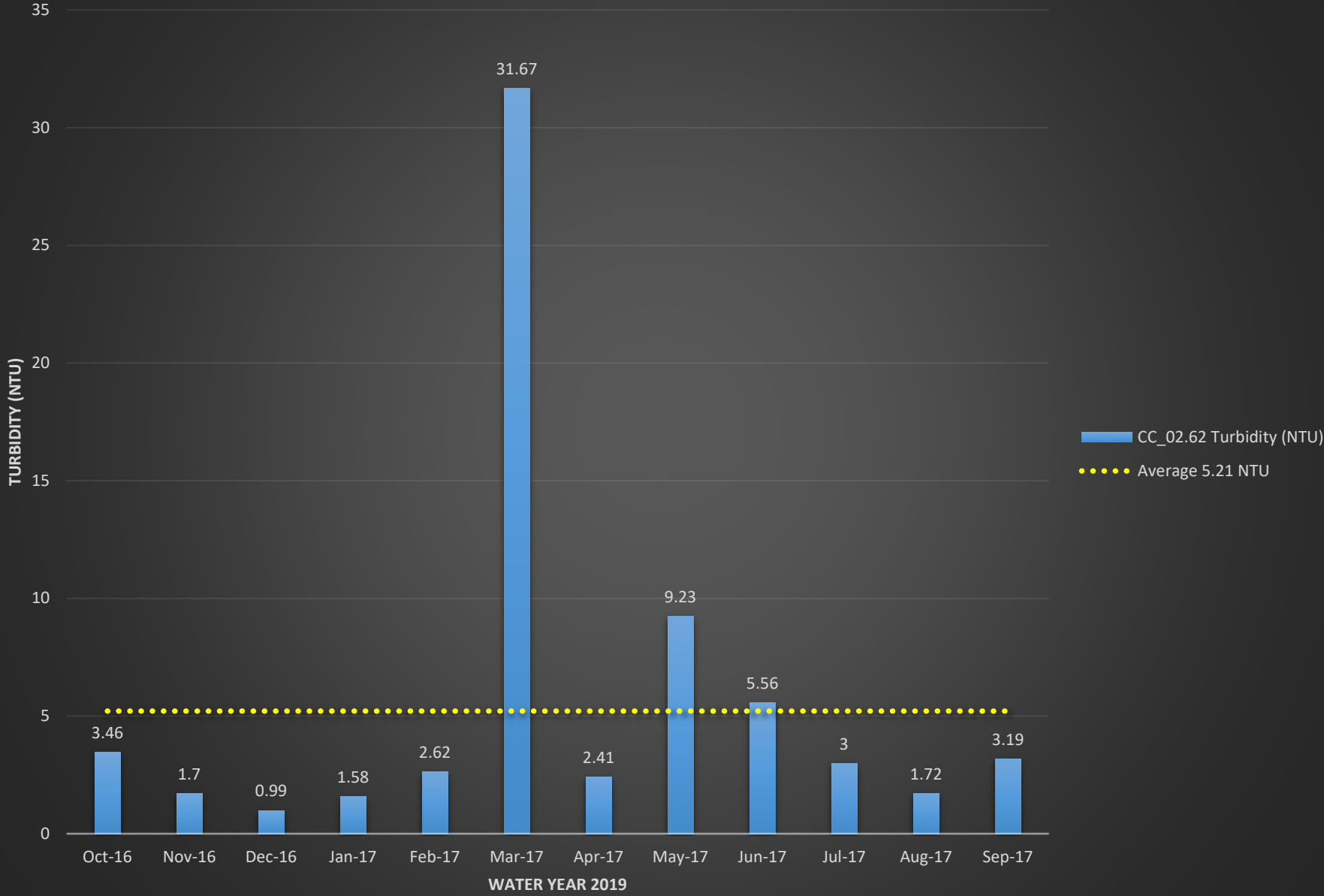
CC_02.62 pH



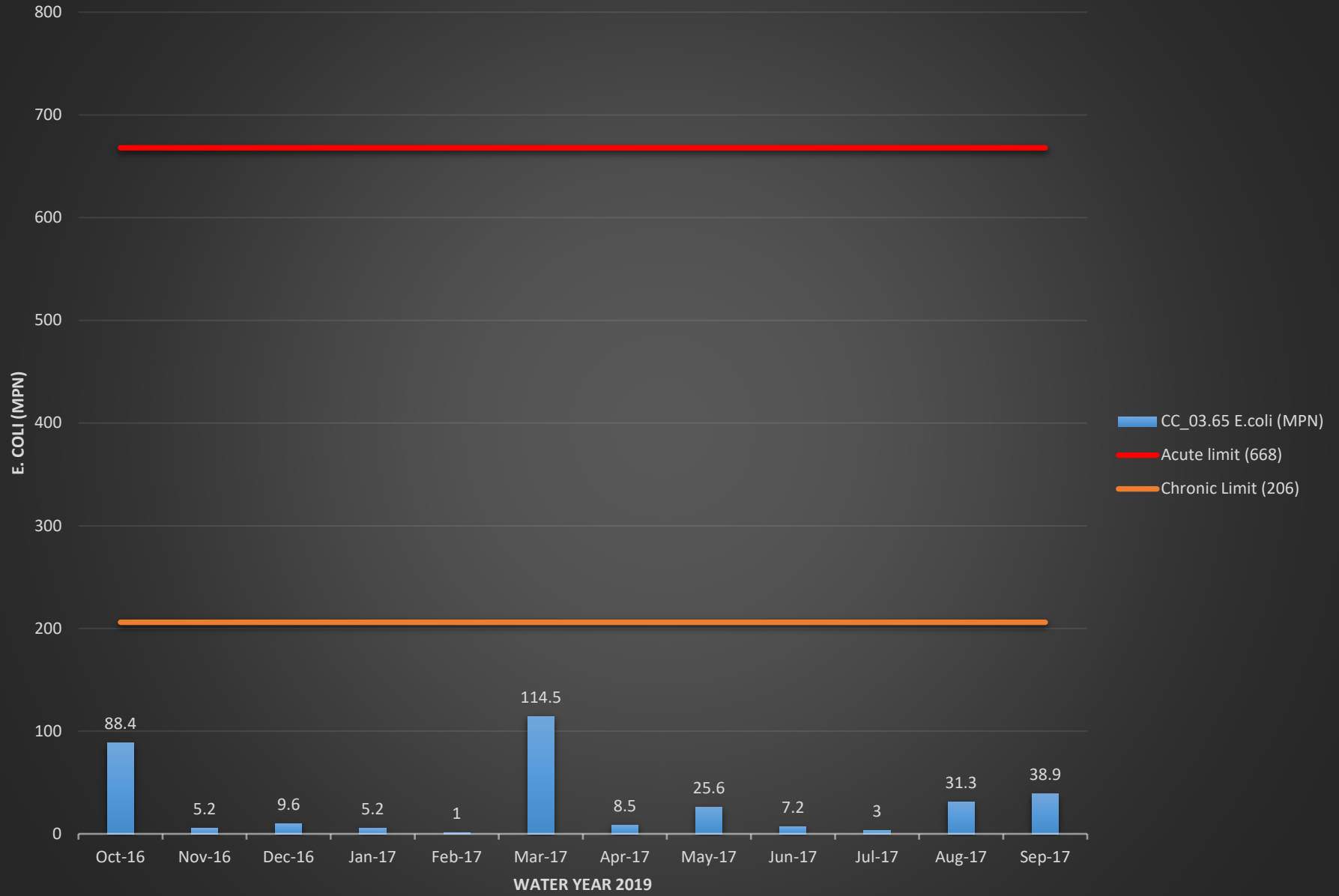
CC_02.62 Conductivity (mS/cm)



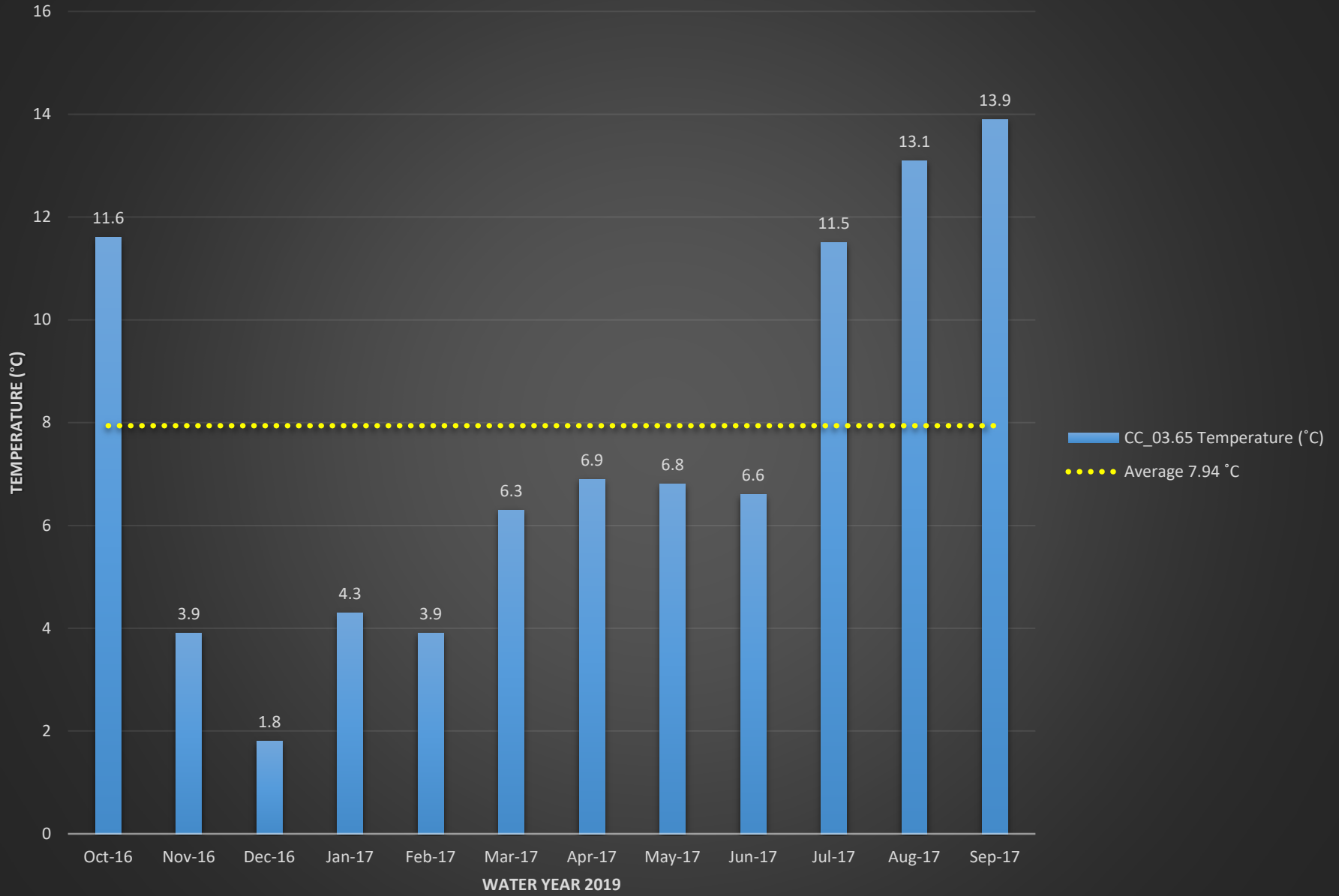
CC_02.62 Turbidity (NTU)



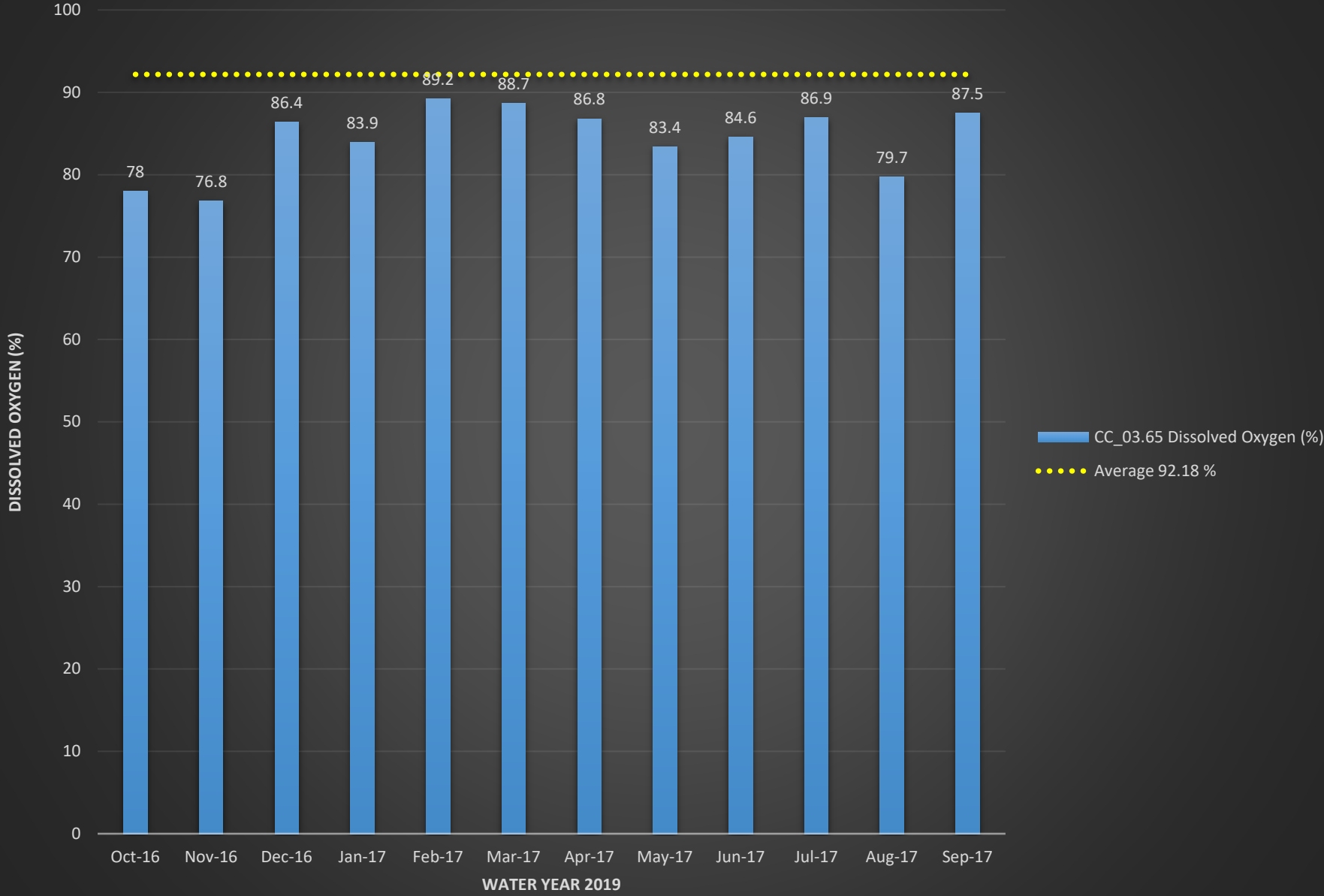
CC_03.65 E.coli (MPN)



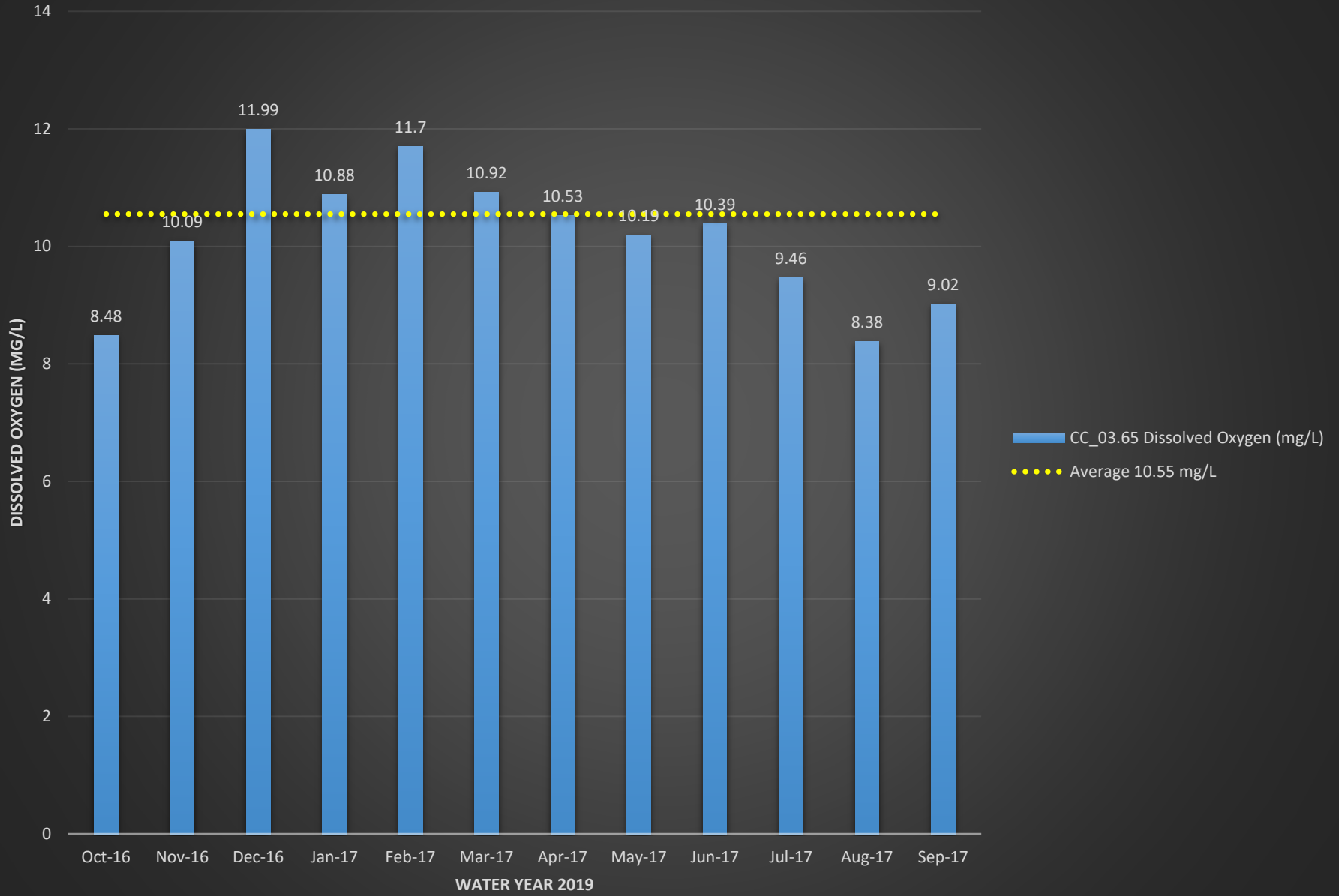
CC_03.65 Temperature (°C)



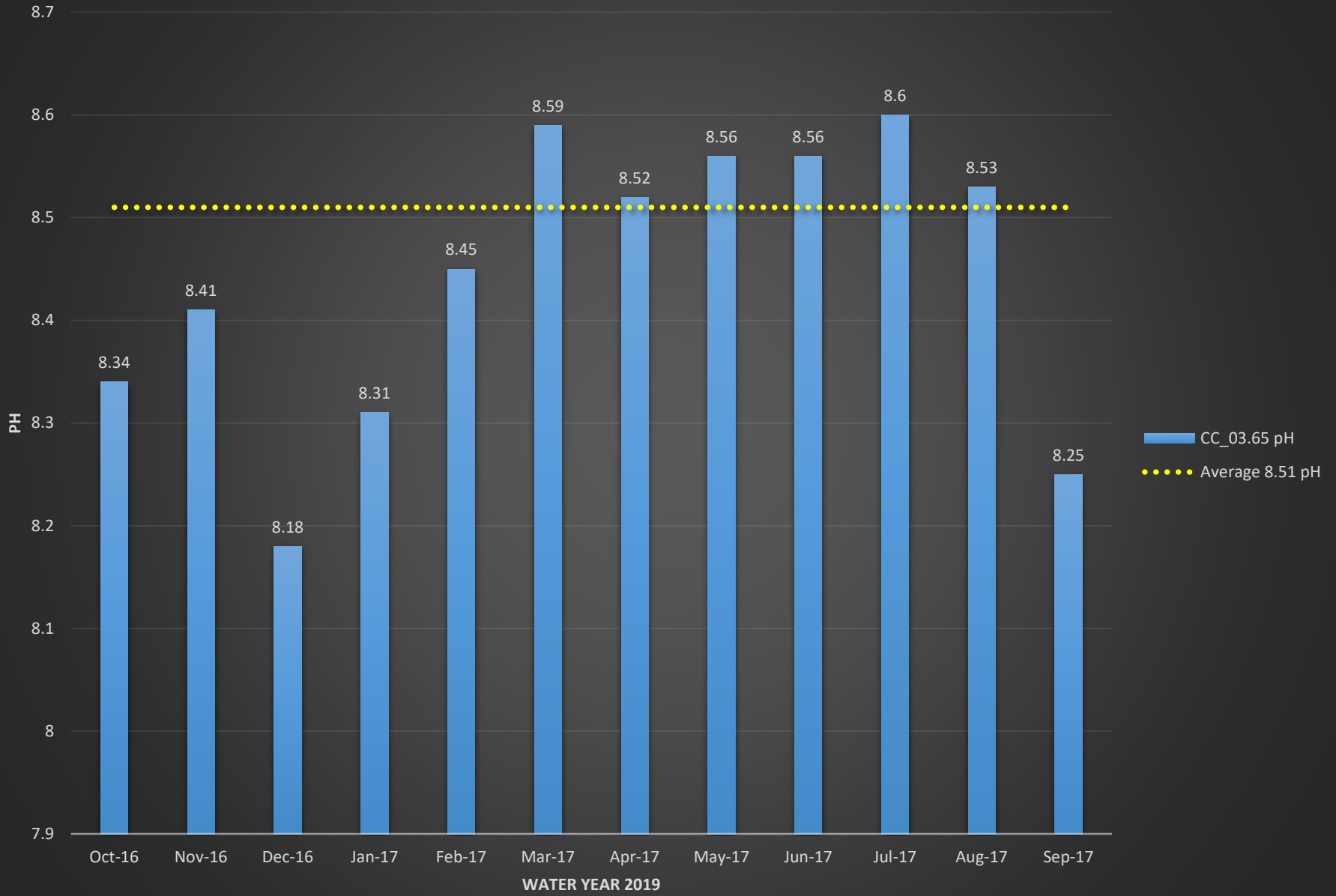
CC_03.65 Dissolved Oxygen (%)



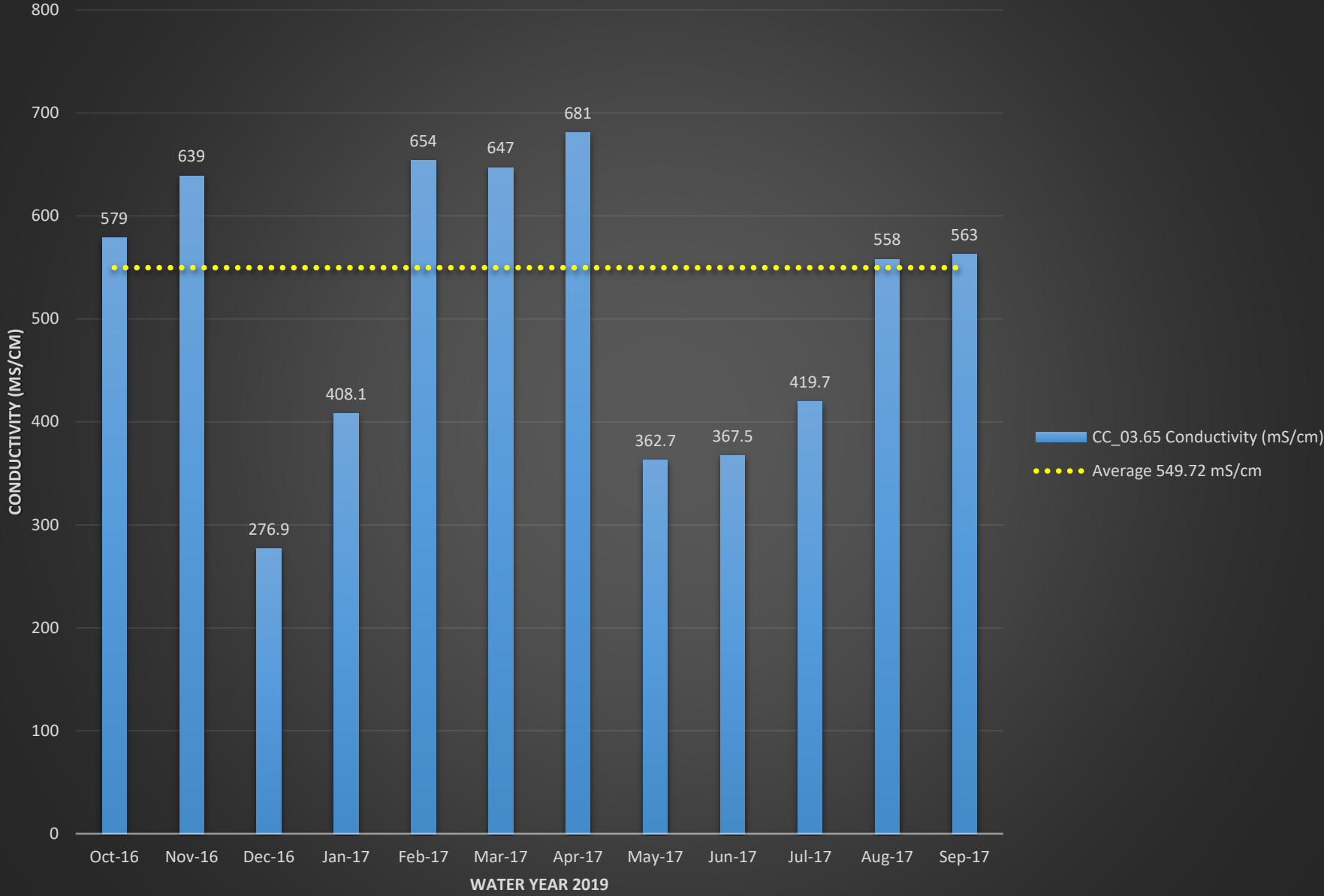
CC_03.65 Dissolved Oxygen (mg/L)



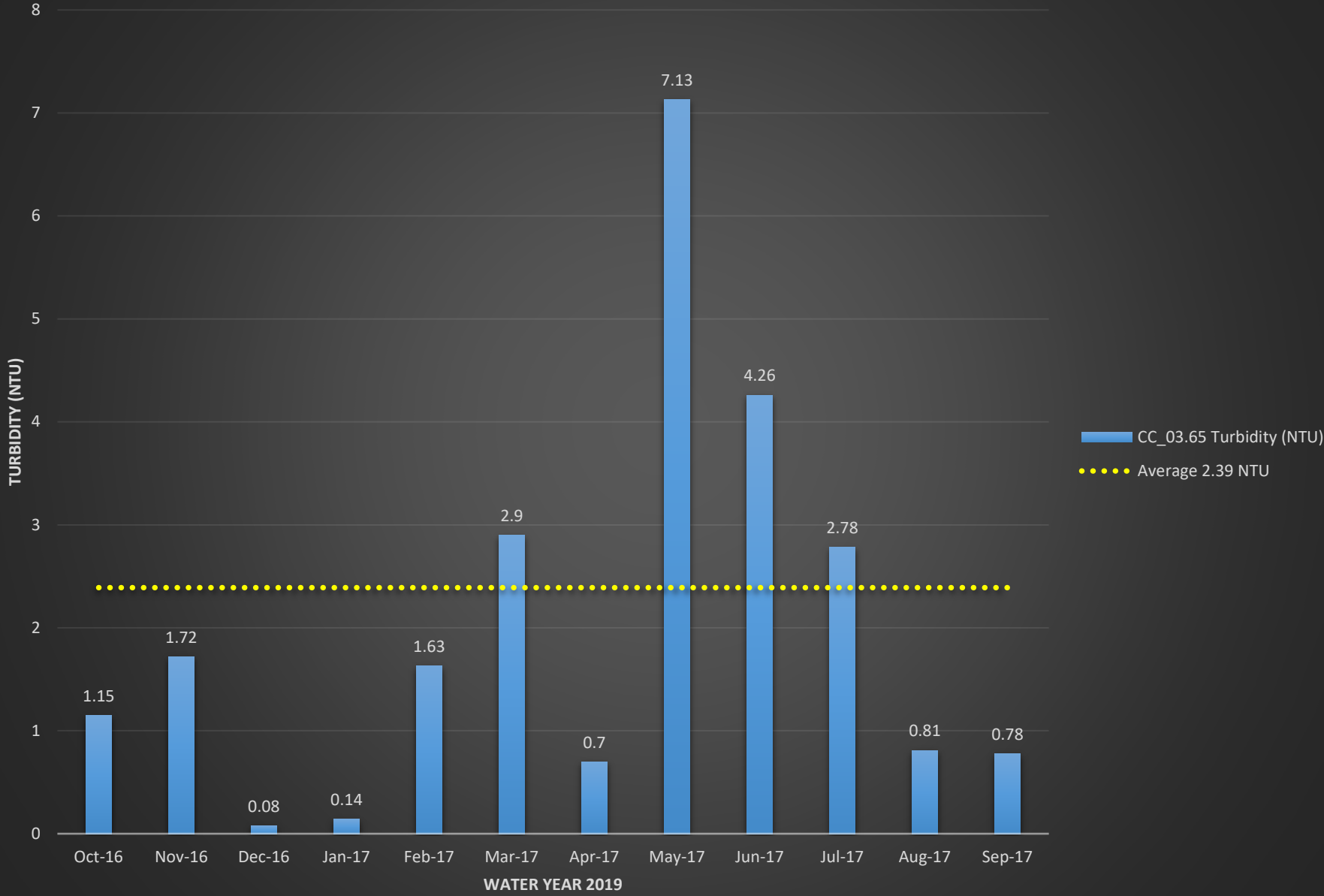
CC_03.65 pH



CC_03.65 Conductivity (mS/cm)

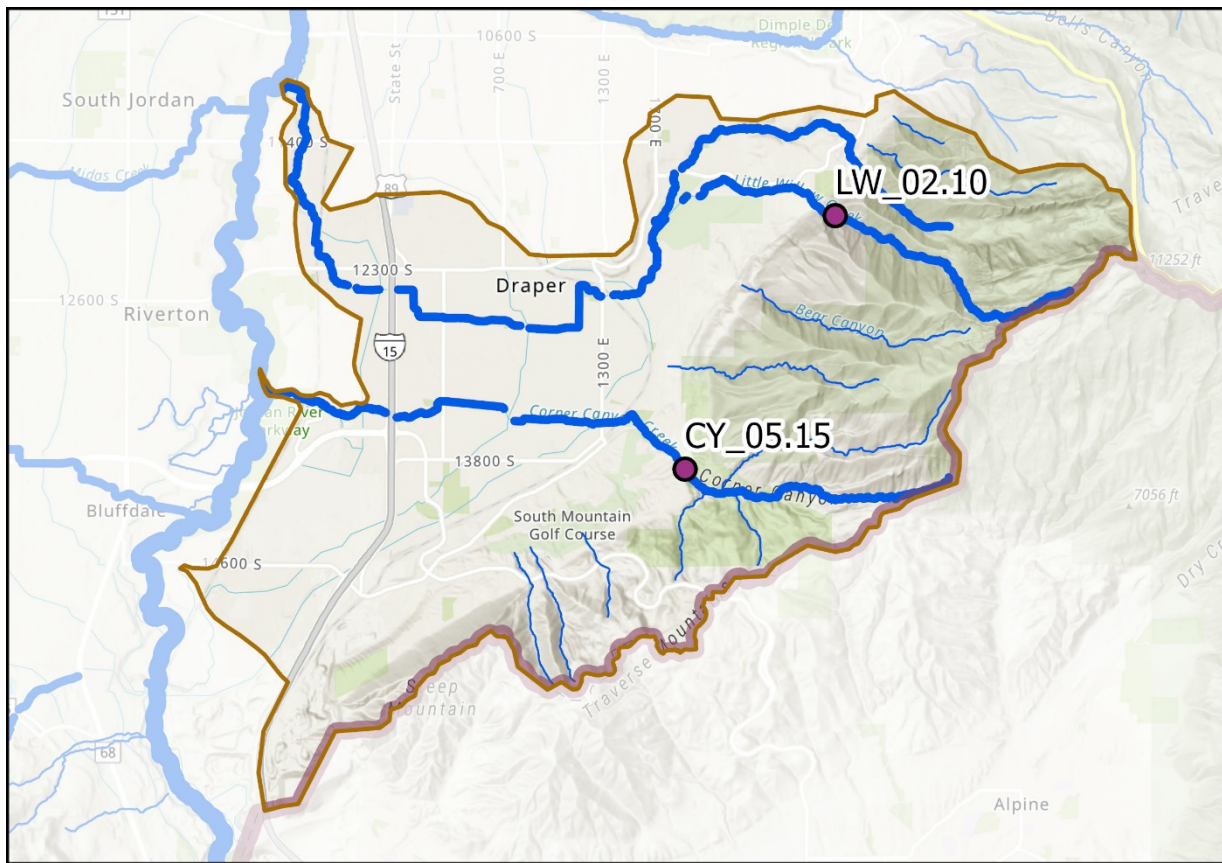


CC_03.65 Turbidity (NTU)



CORNER CANYON/WILLOW CREEKS SUBWATERSHED

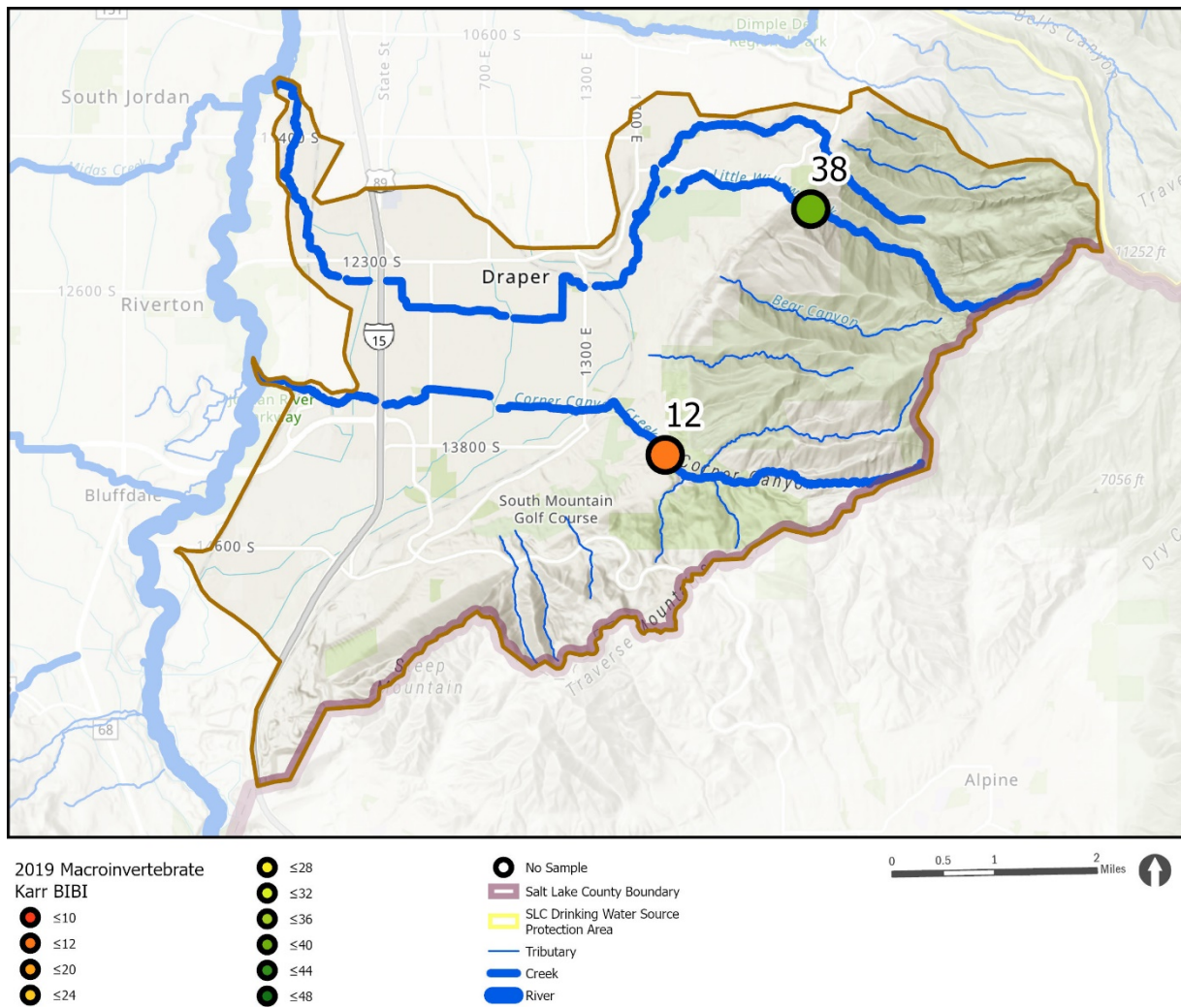
Subwatershed Map with Macroinvertebrate Sample Sites



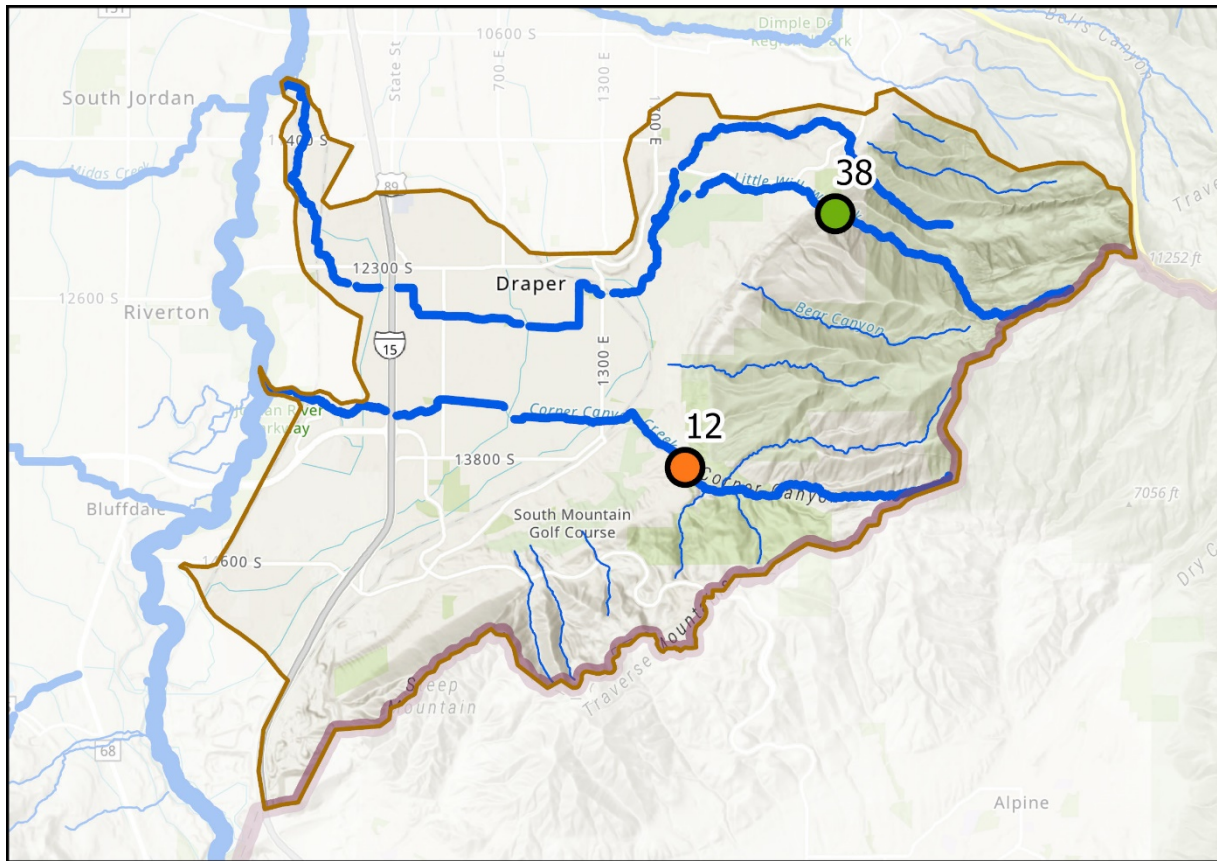
- 2019 Macroinvertebrate Sample Locations
- Salt Lake County Boundary
- ▭ SLC Drinking Water Source Protection Area
- Tributary
- Creek
- River



Macroinvertebrate Karr-BIBI Results



Macroinvertebrate Biological Condition Gradient (BCG) Results



2019 Macroinvertebrate
Karr BIBI

- ≤10
- ≤12
- ≤20
- ≤24

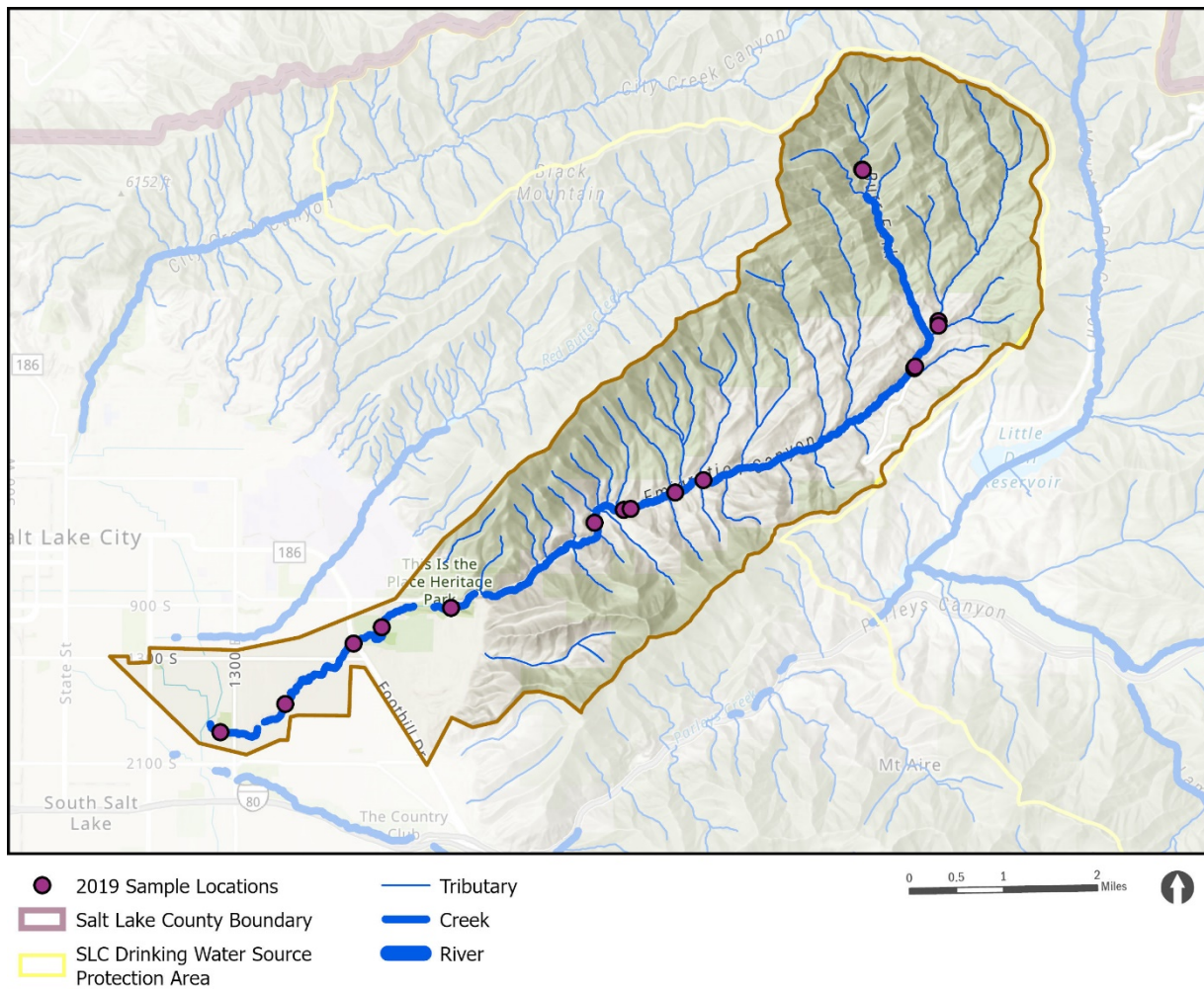
- ≤28
- ≤32
- ≤36
- ≤40
- ≤44
- ≤48

- No Sample
- Salt Lake County Boundary
- SLC Drinking Water Source Protection Area
- Tributary
- Creek
- River

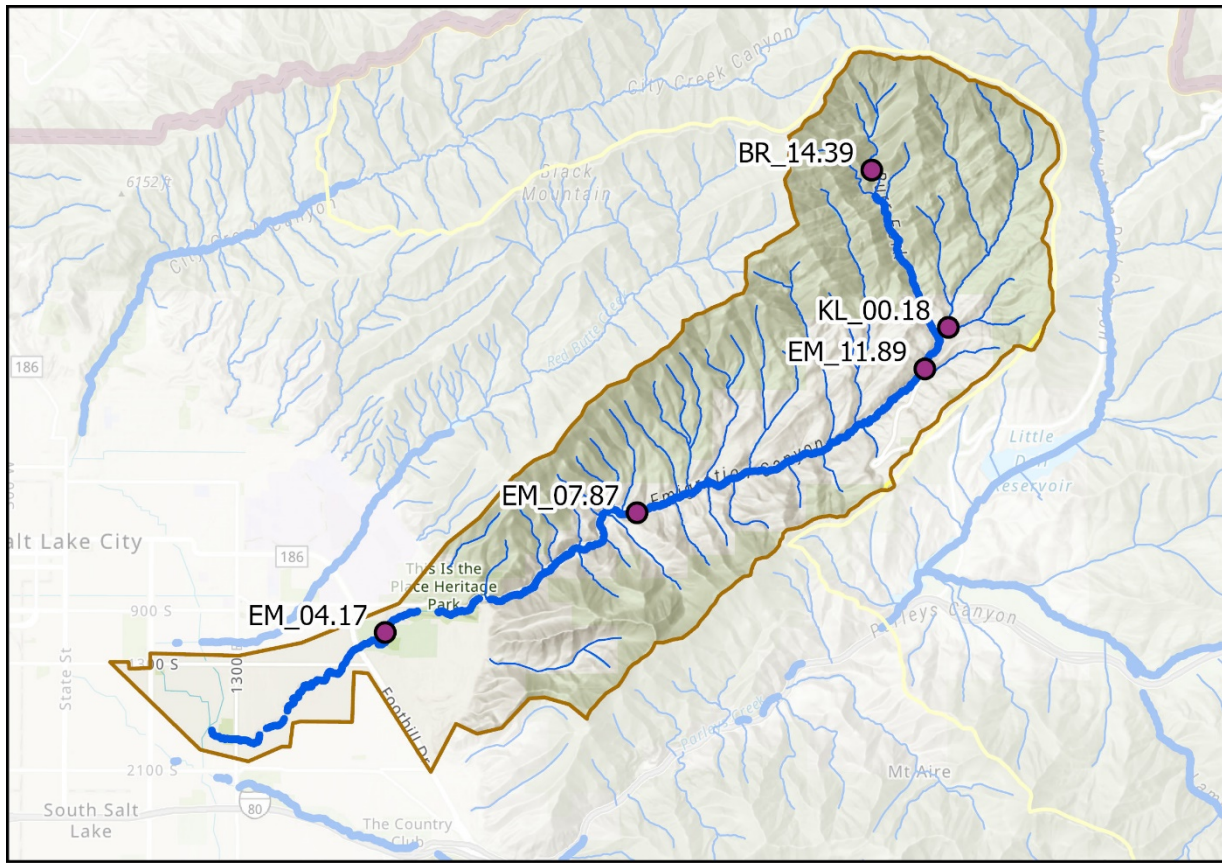


EMIGRATION CREEK SUBWATERSHED

Subwatershed Map with All Sample Sites



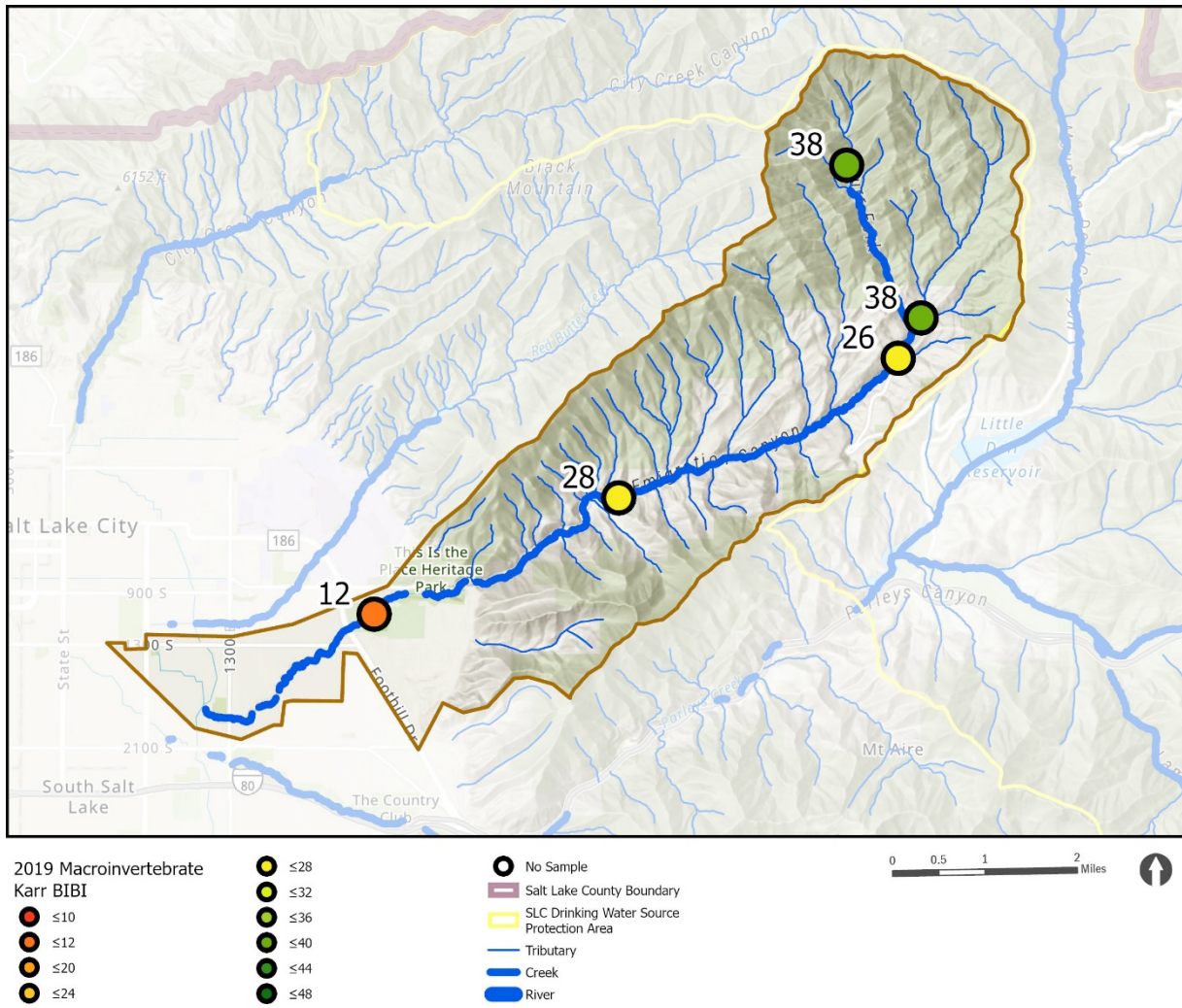
Subwatershed Map with Macroinvertebrate Sample Sites



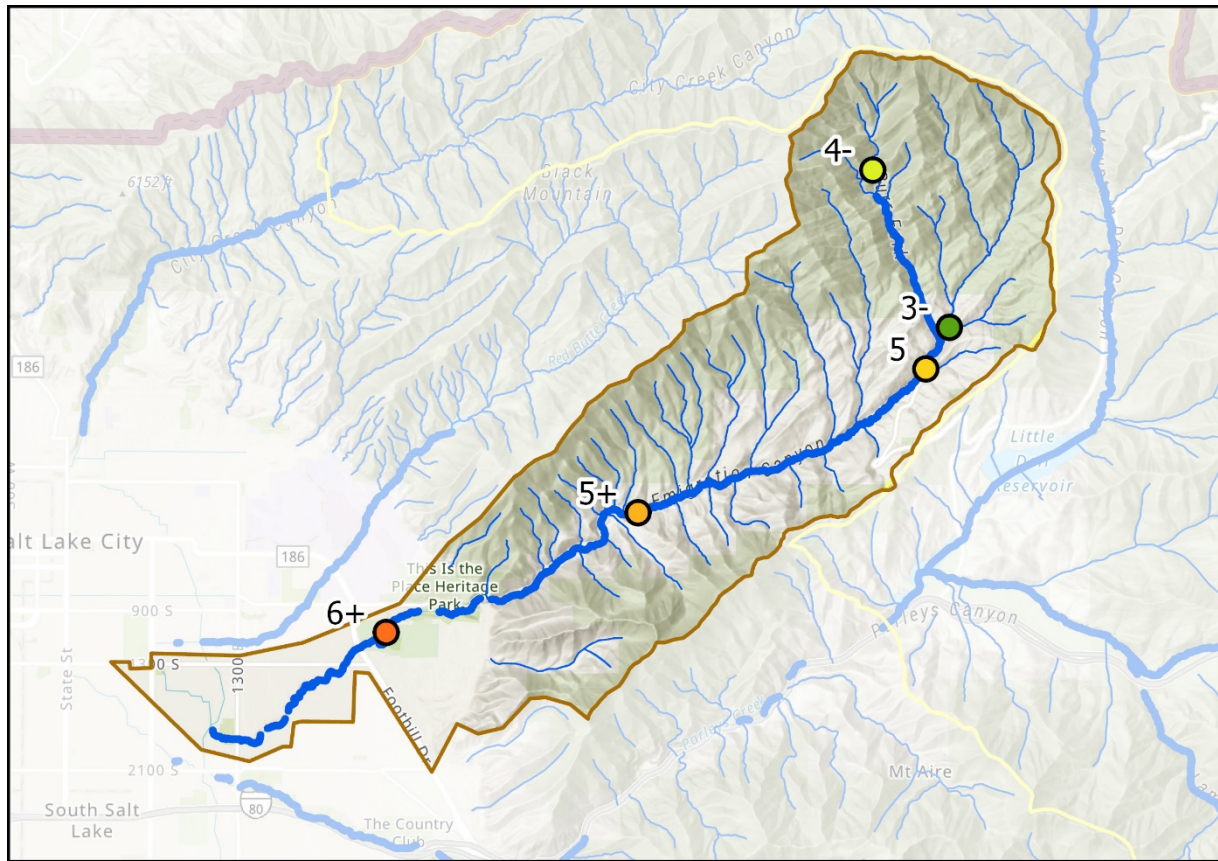
- 2019 Macroinvertebrate Sample Locations
- Salt Lake County Boundary
- SLC Drinking Water Source Protection Area
- Tributary
- Creek
- River



Macroinvertebrate Karr-BIBI Results



Macroinvertebrate Biological Condition Gradient (BCG) Results



2019 Macroinvertebrate Biological Condition Gradient

- 2-
- 2
- 3-
- 3
- 3+

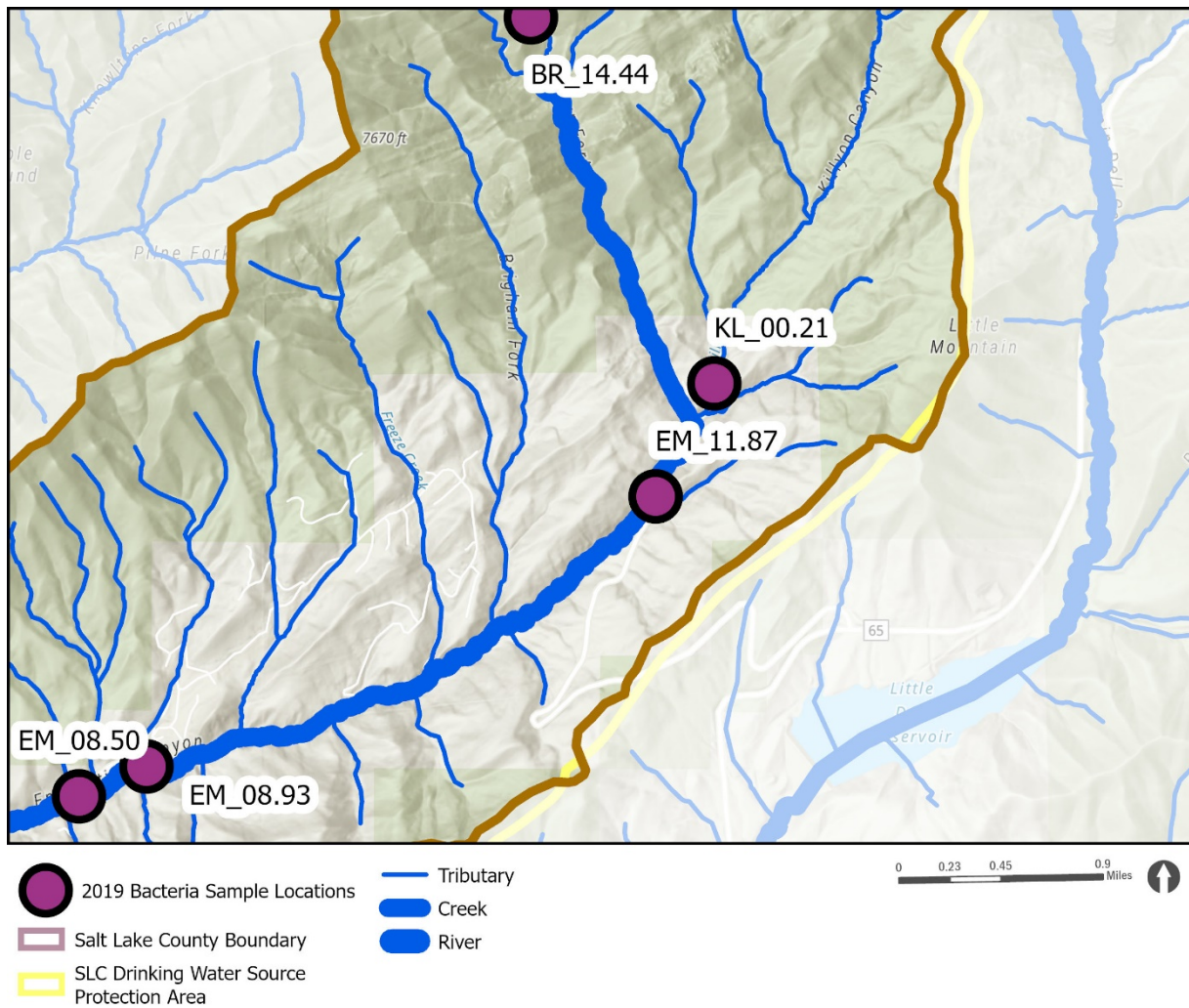
- 4-
- 4
- 5
- 5+
- 6
- 6+

- No Sample
- Salt Lake County Boundary
- SLC Drinking Water Source Protection Area
- Tributary
- Creek
- River

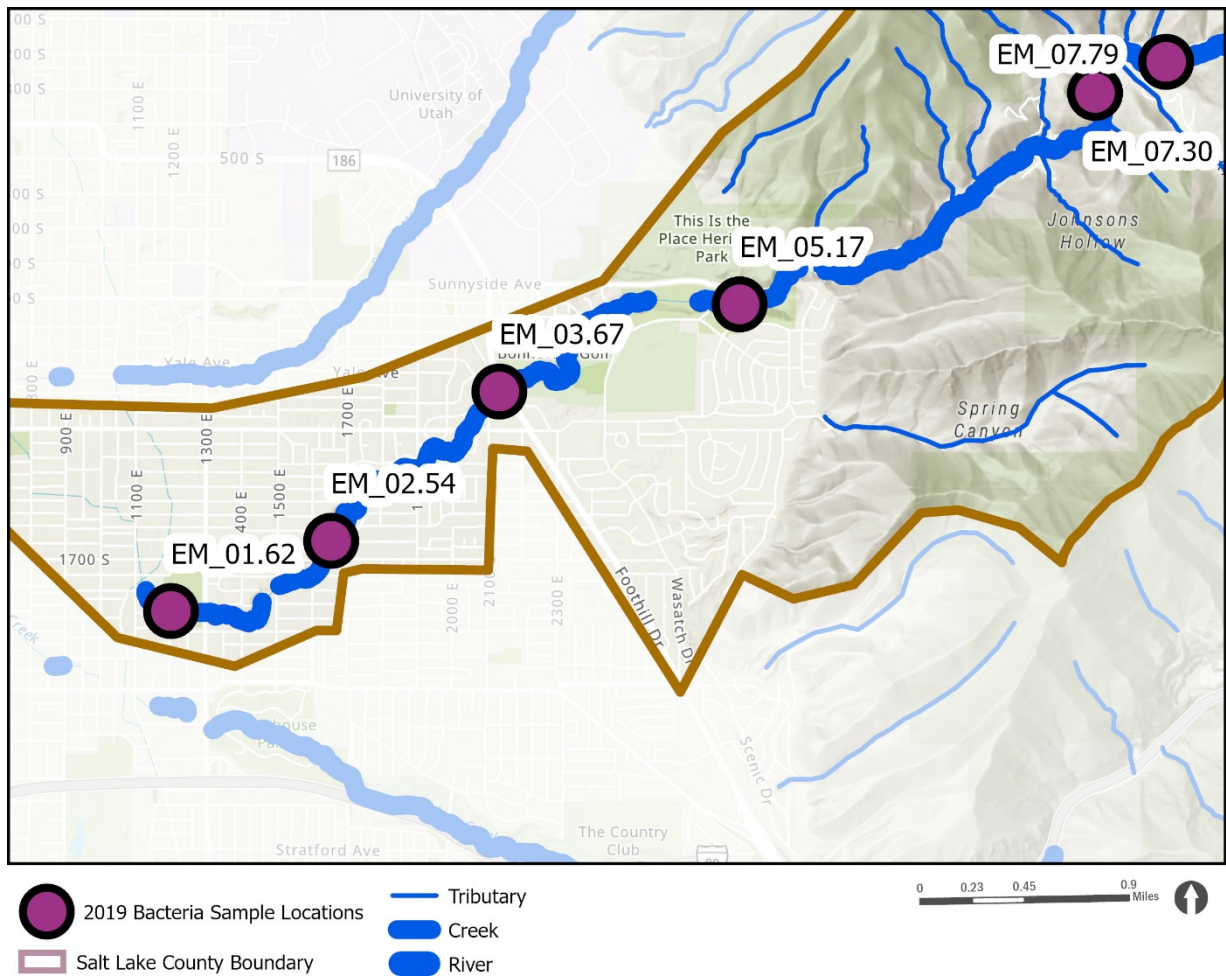
0 0.5 1 2 Miles



Subwatershed Map with Bacteria Sample Sites (upper)



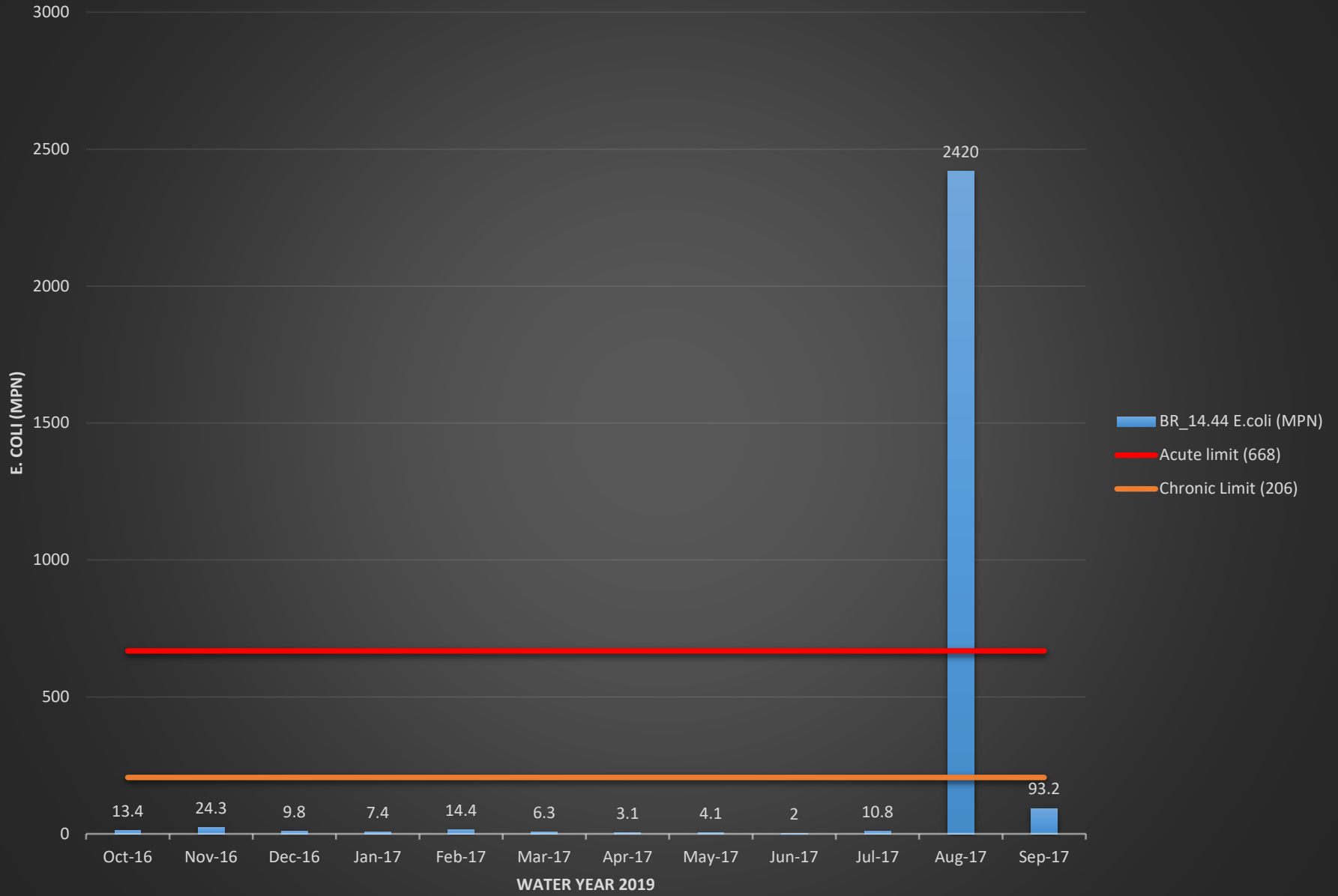
Subwatershed Map with Bacteria Sample Sites (lower)



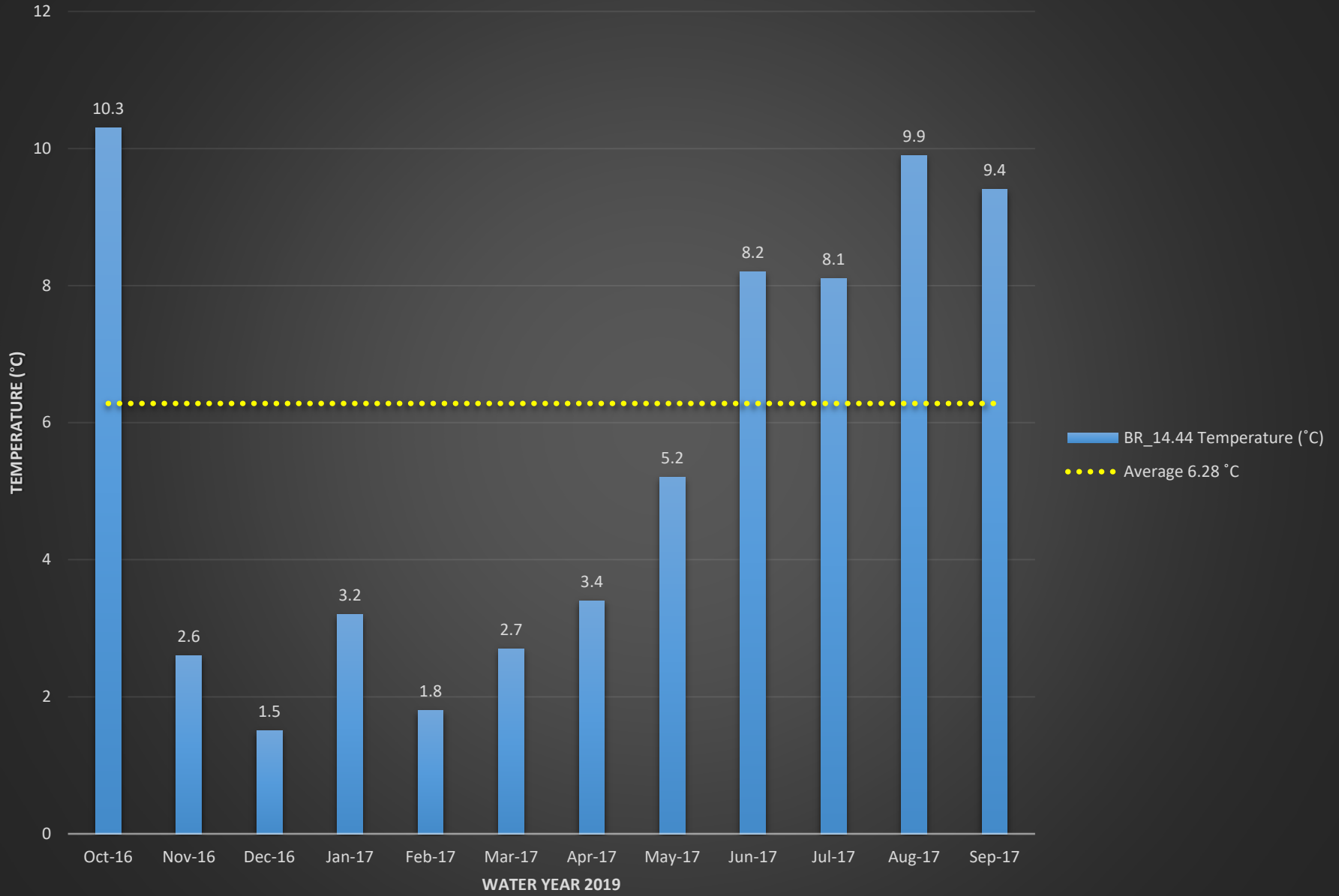
E.coli & Field Parameter Graphs

Graphs start on next page...

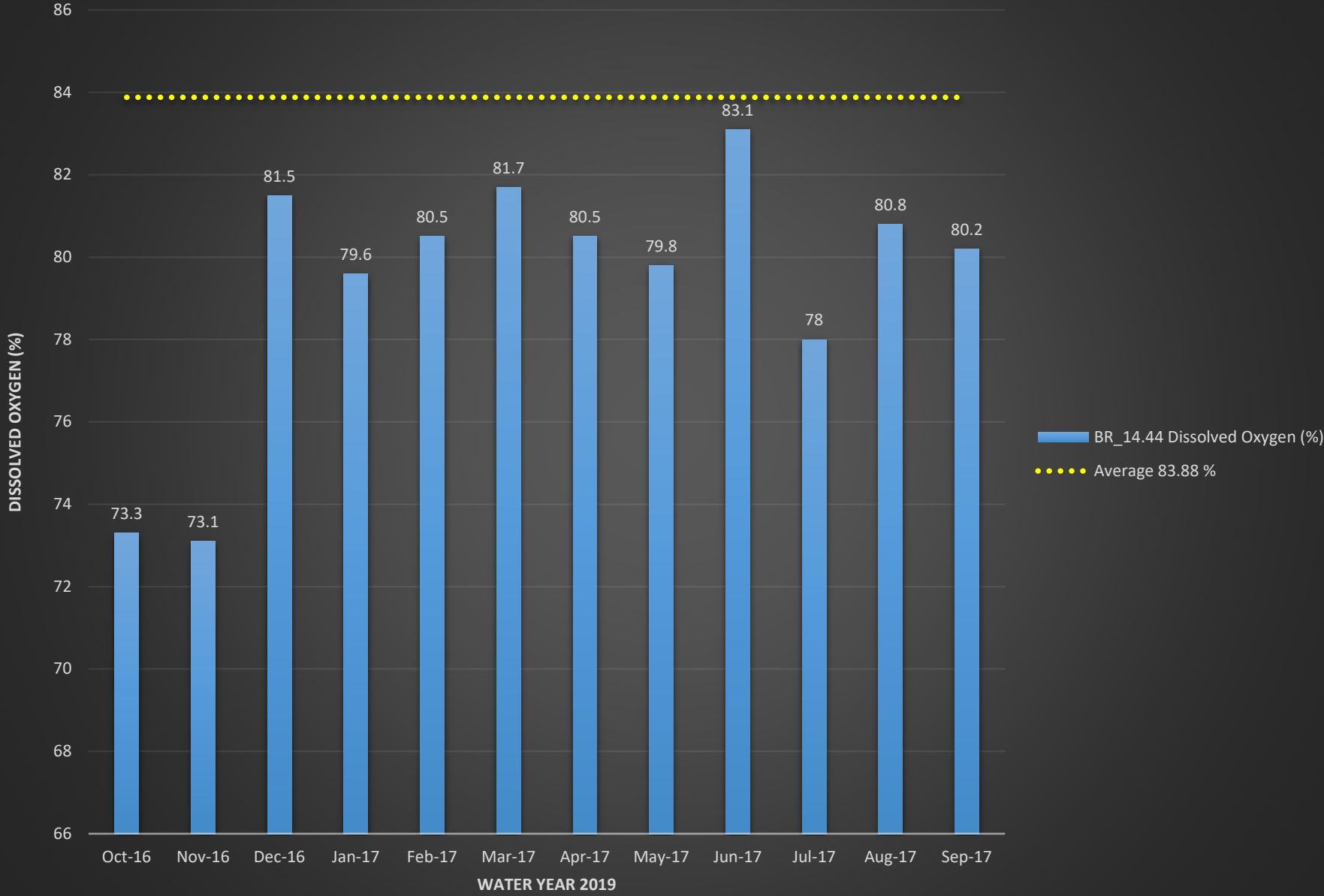
BR_14.44 E.coli (MPN)



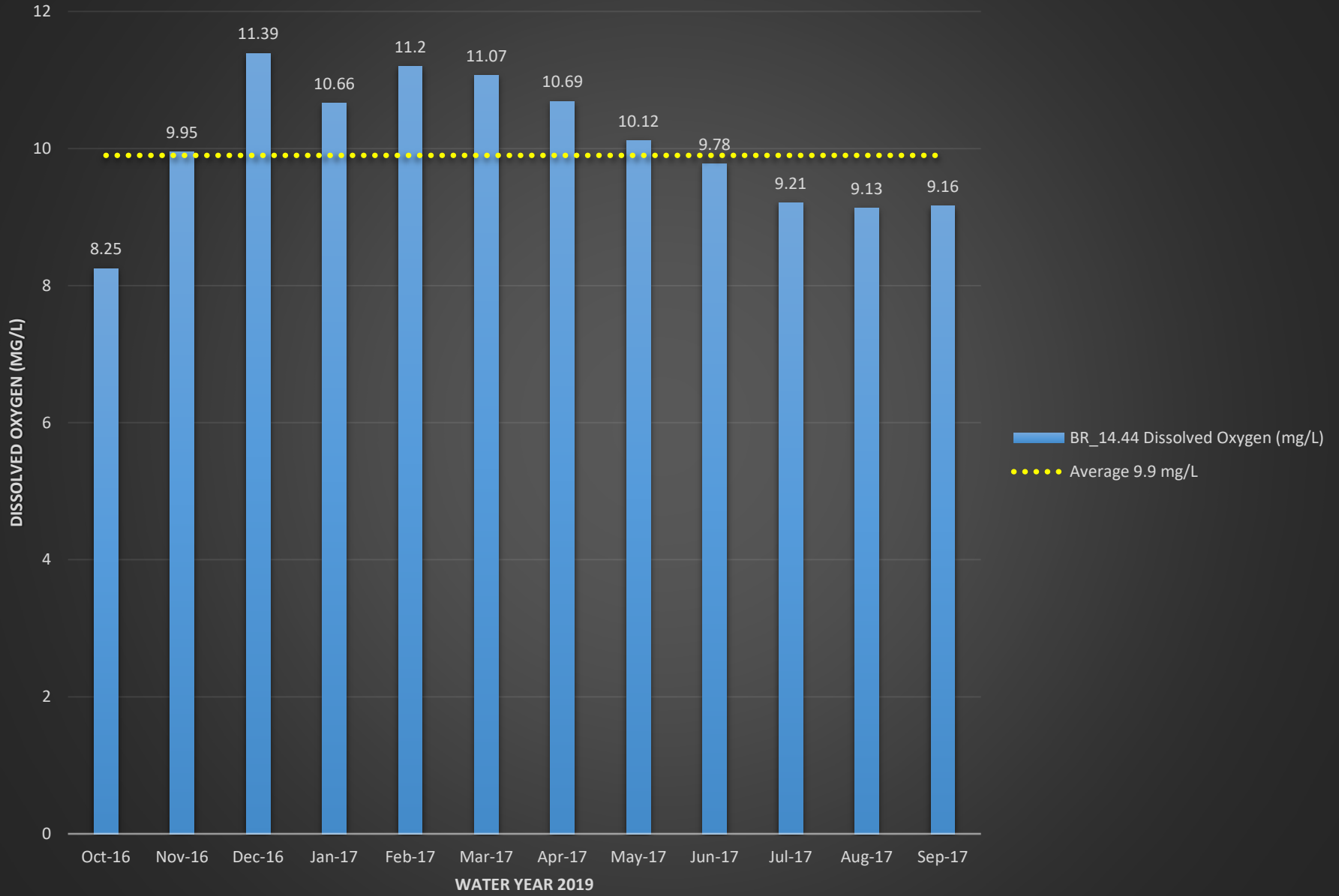
BR_14.44 Temperature (°C)



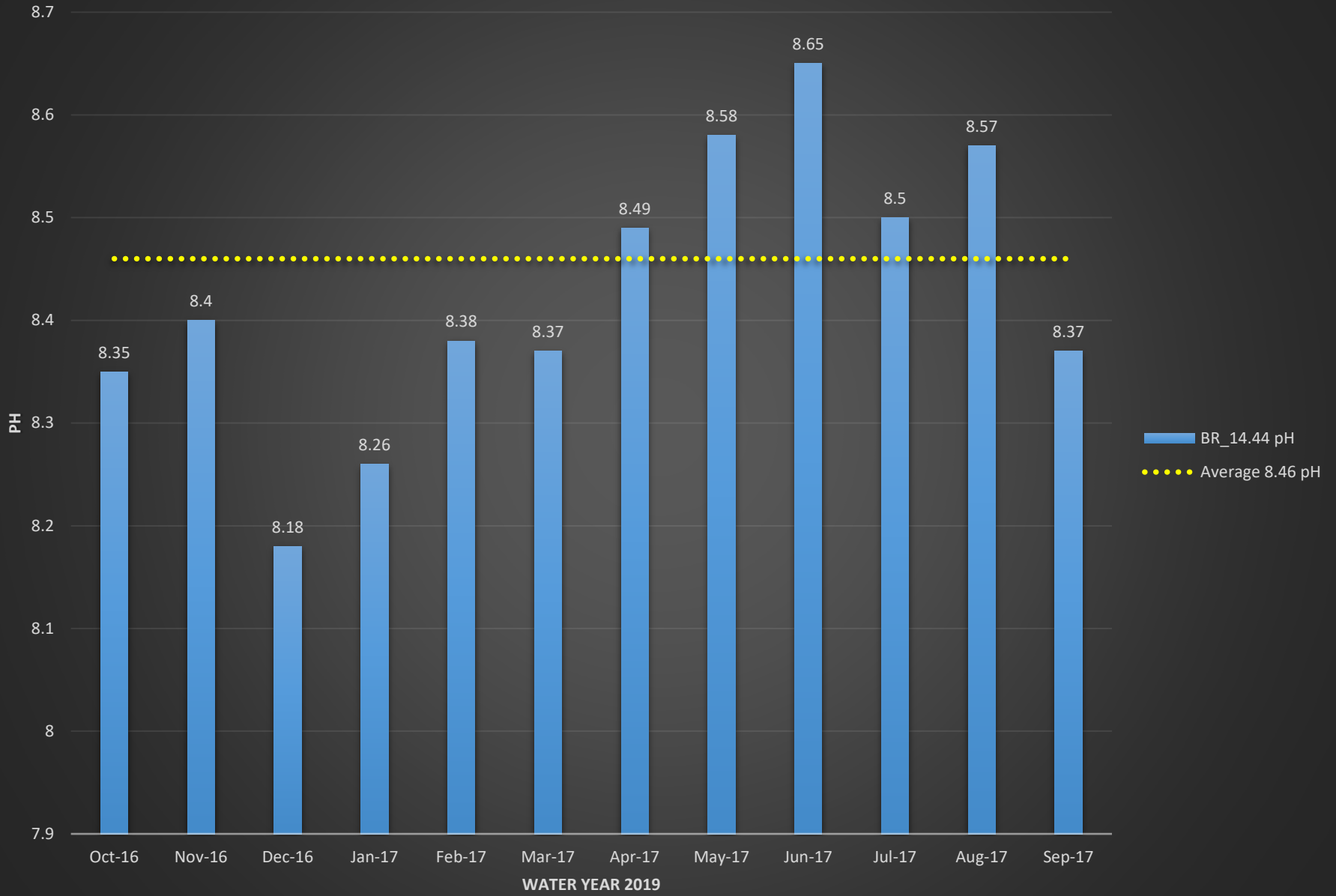
BR_14.44 Dissolved Oxygen (%)



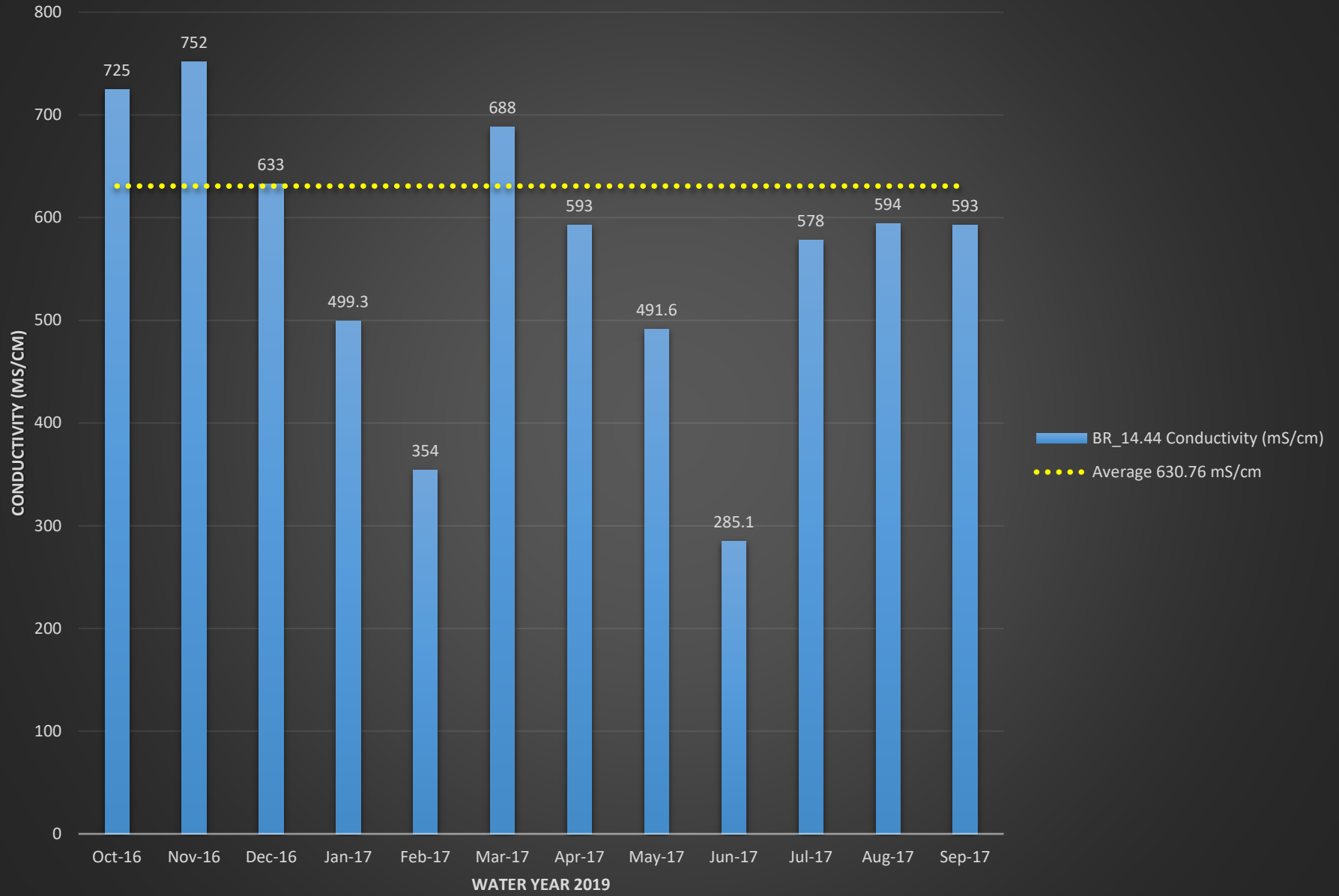
BR_14.44 Dissolved Oxygen (mg/L)



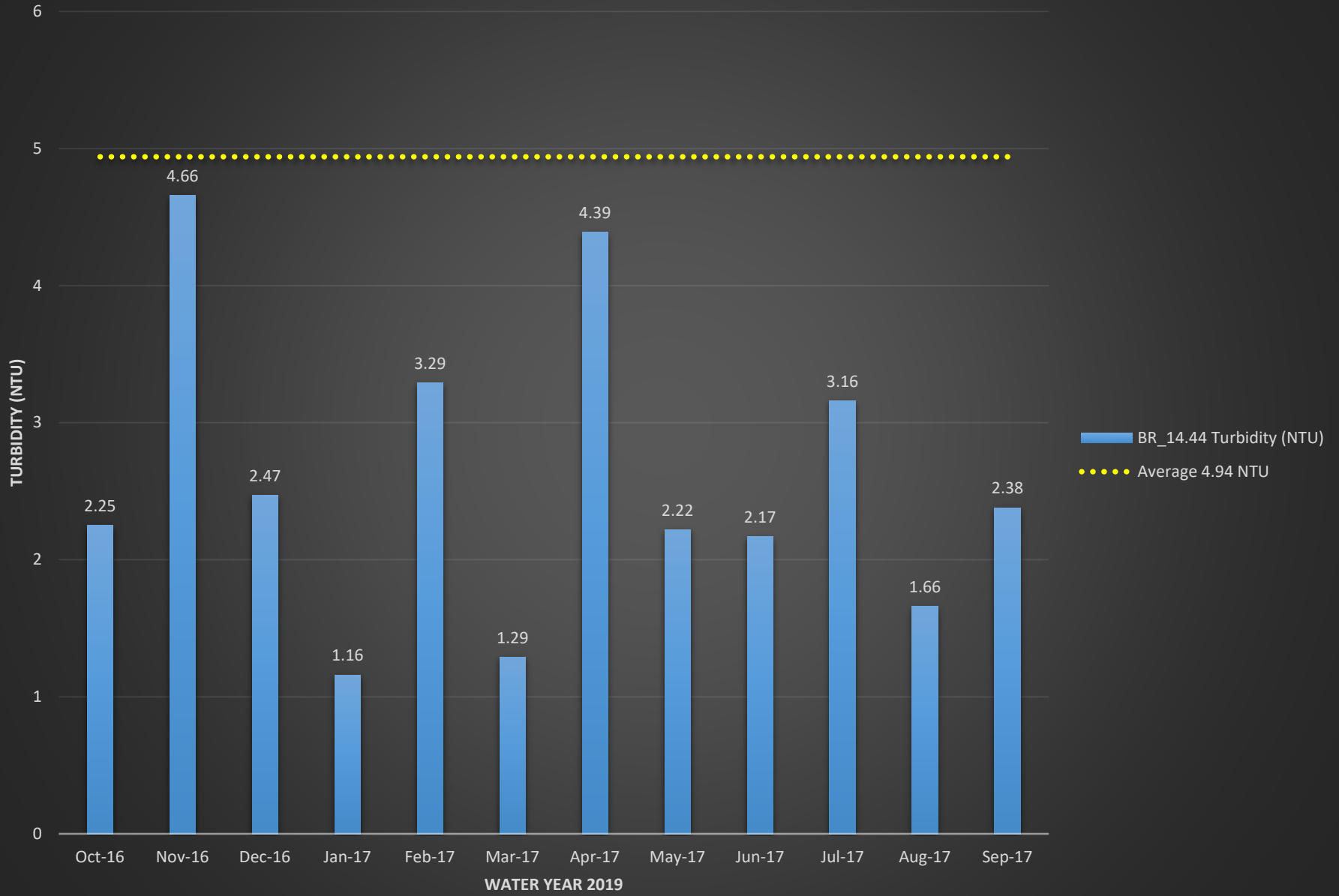
BR_14.44 pH



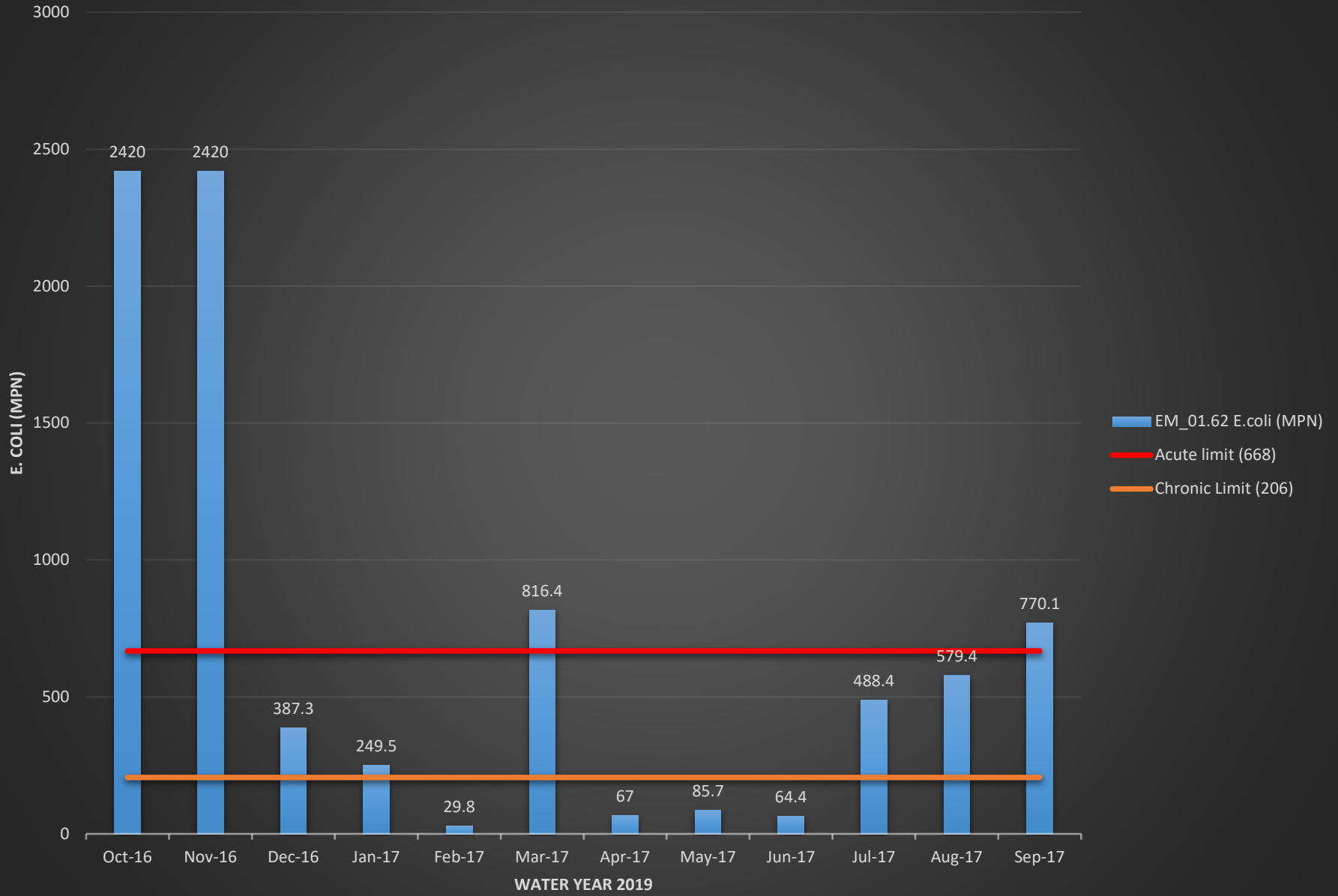
BR_14.44 Conductivity (mS/cm)



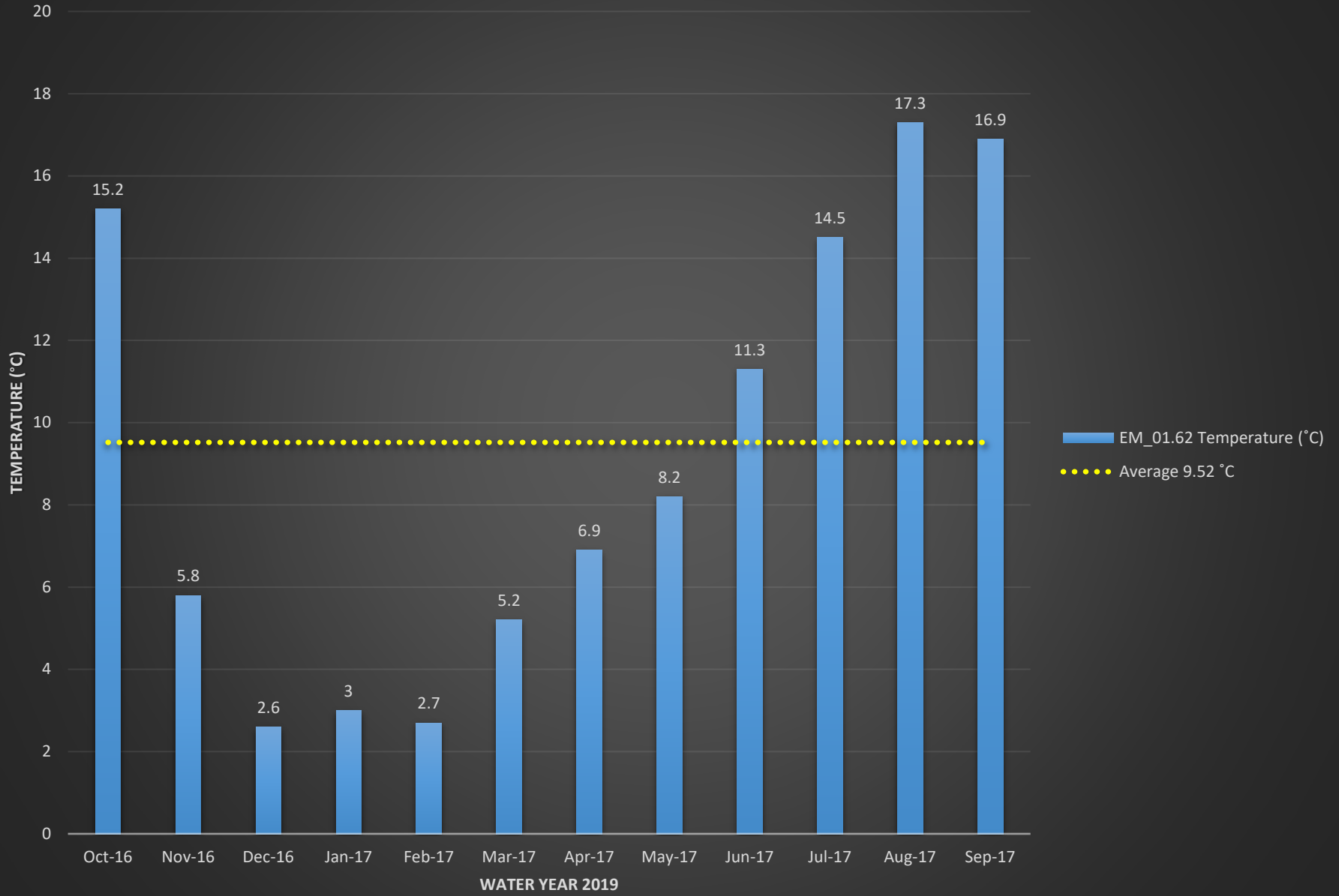
BR_14.44 Turbidity (NTU)



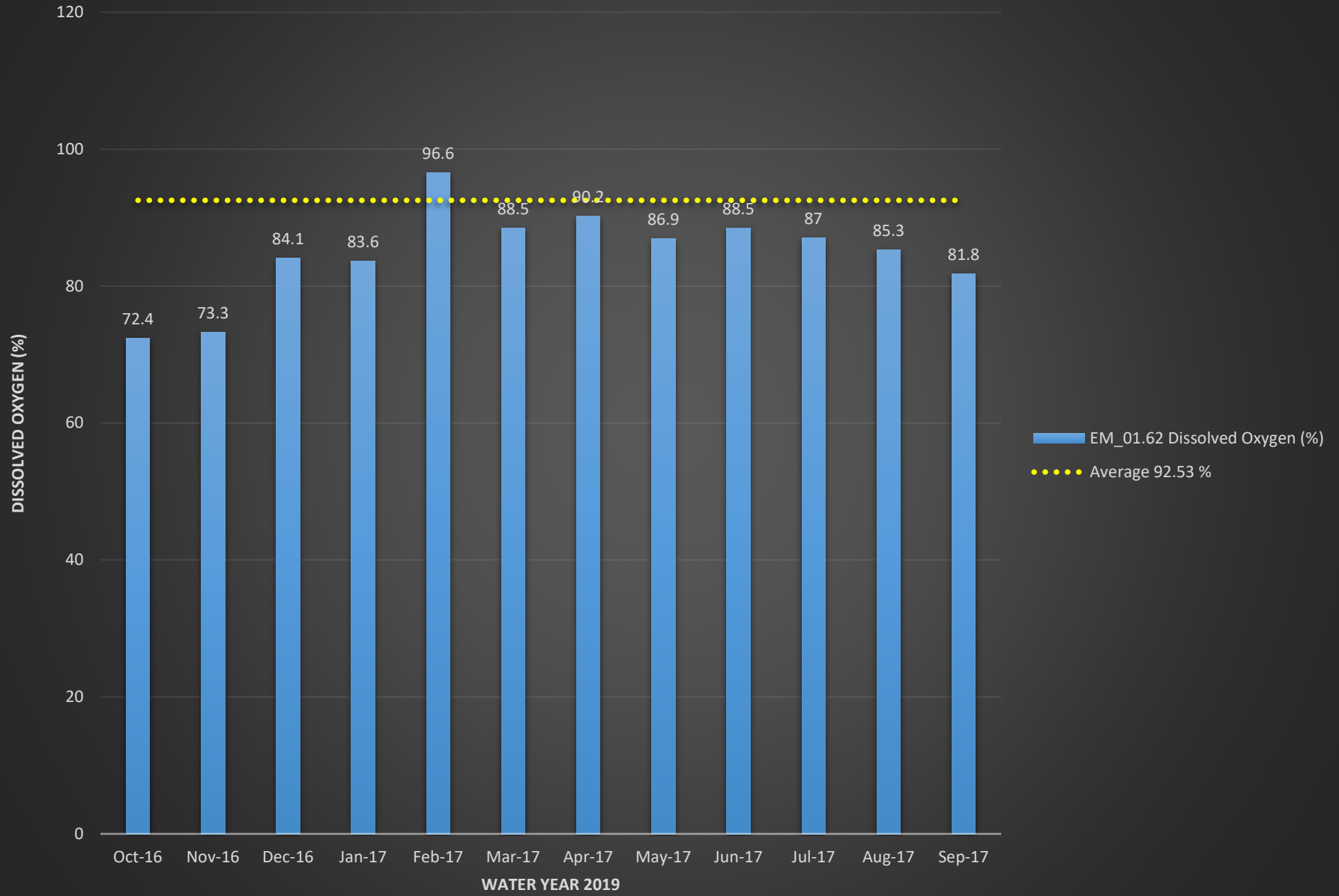
EM_01.62 E.coli (MPN)



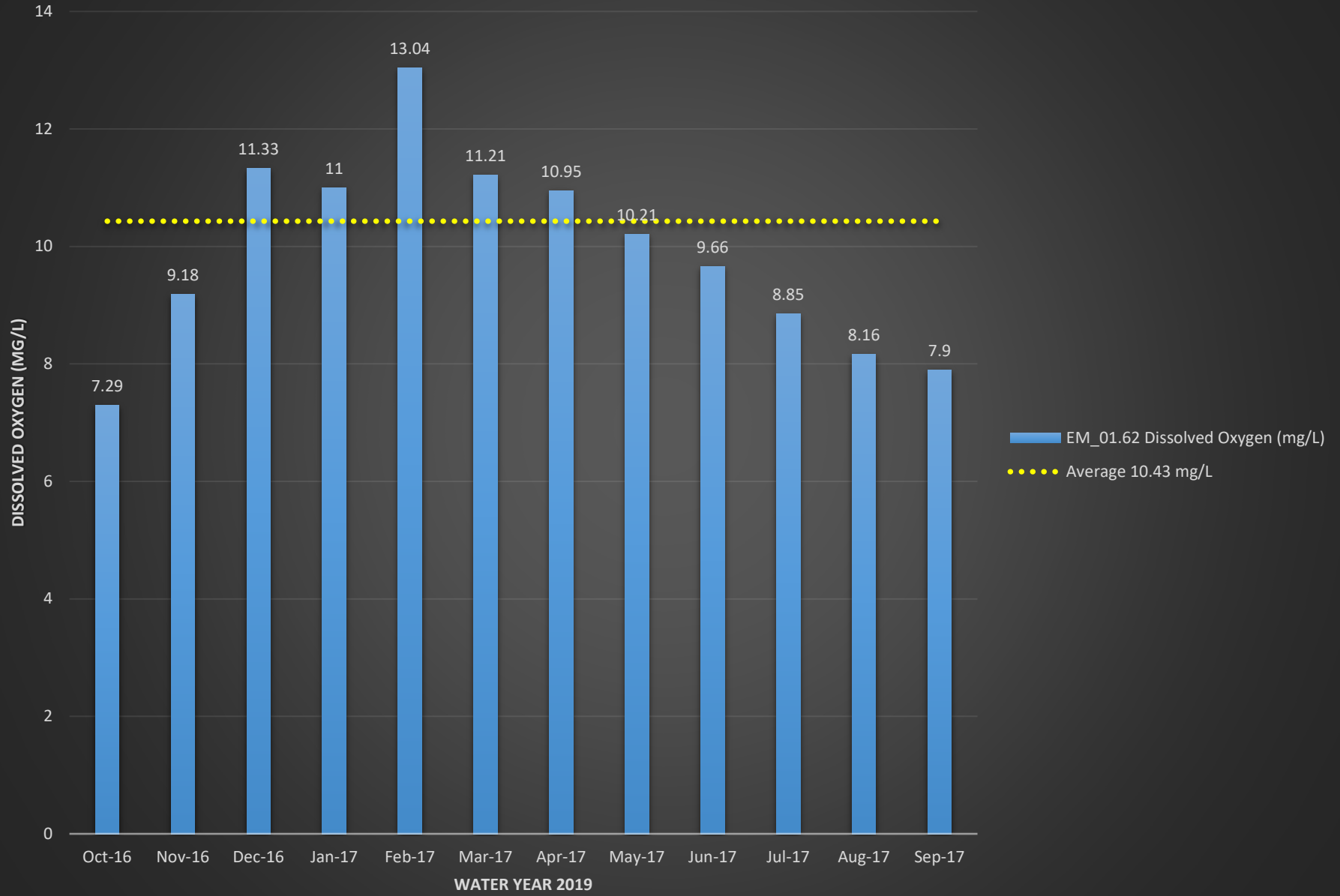
EM_01.62 Temperature (°C)



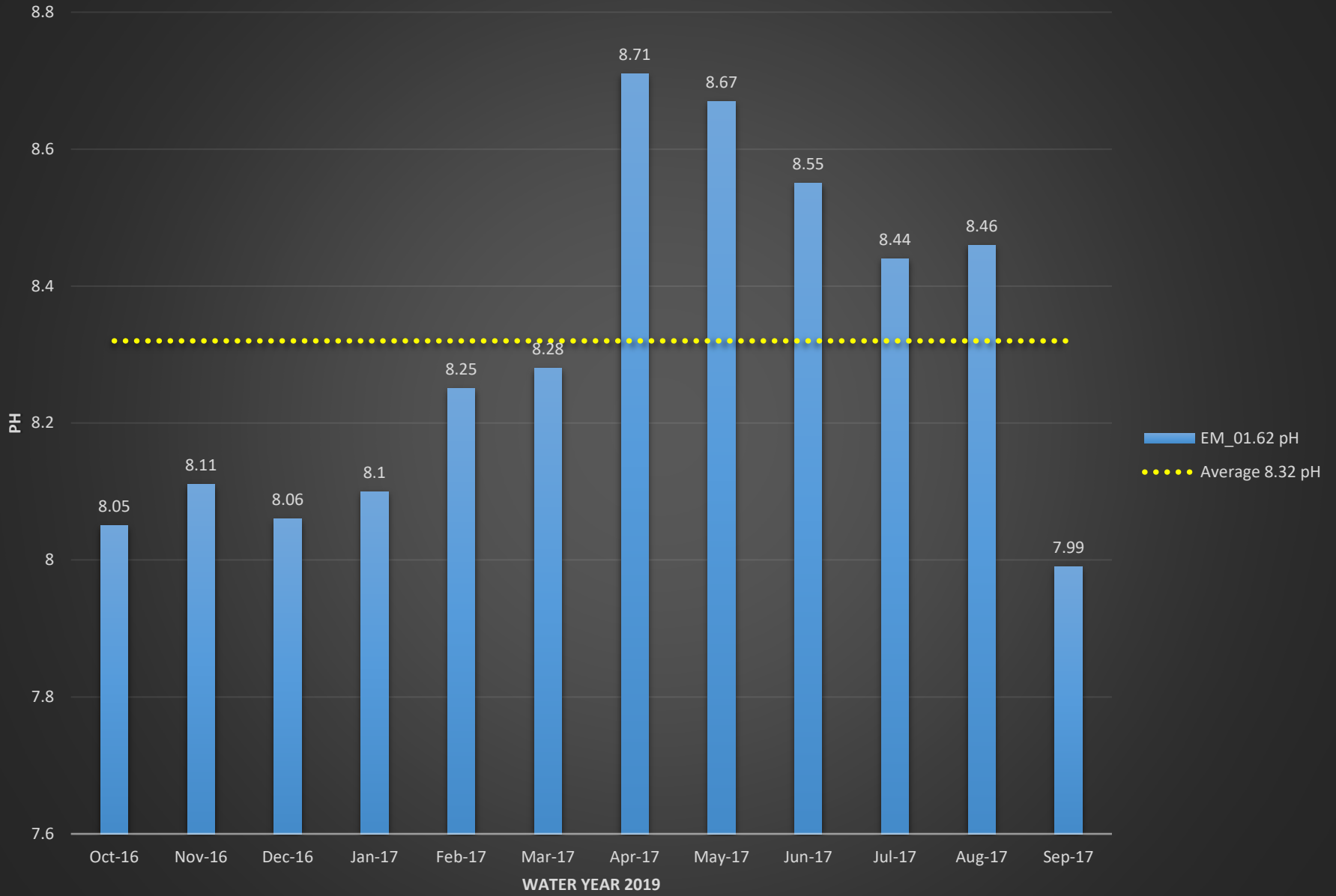
EM_01.62 Dissolved Oxygen (%)



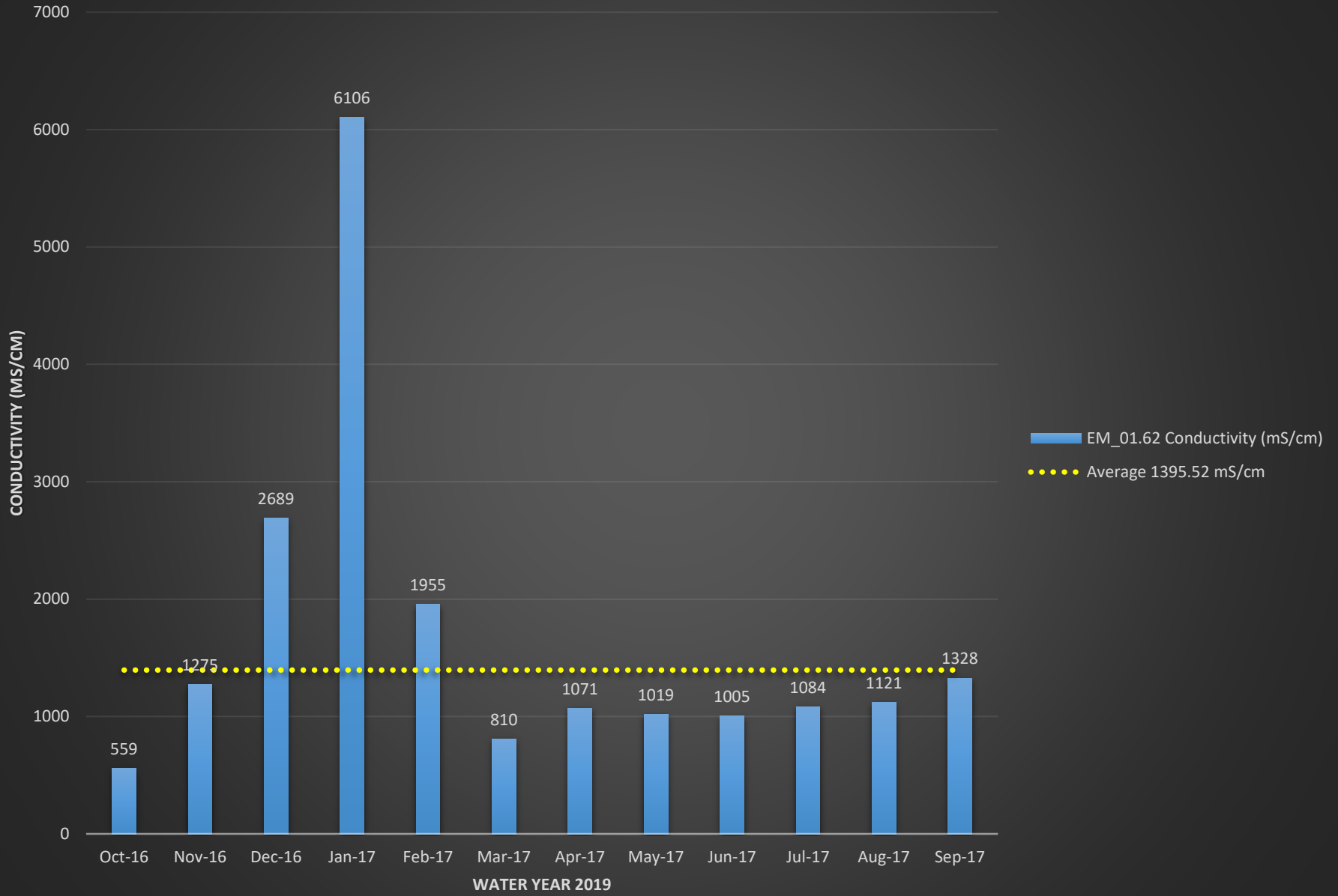
EM_01.62 Dissolved Oxygen (mg/L)



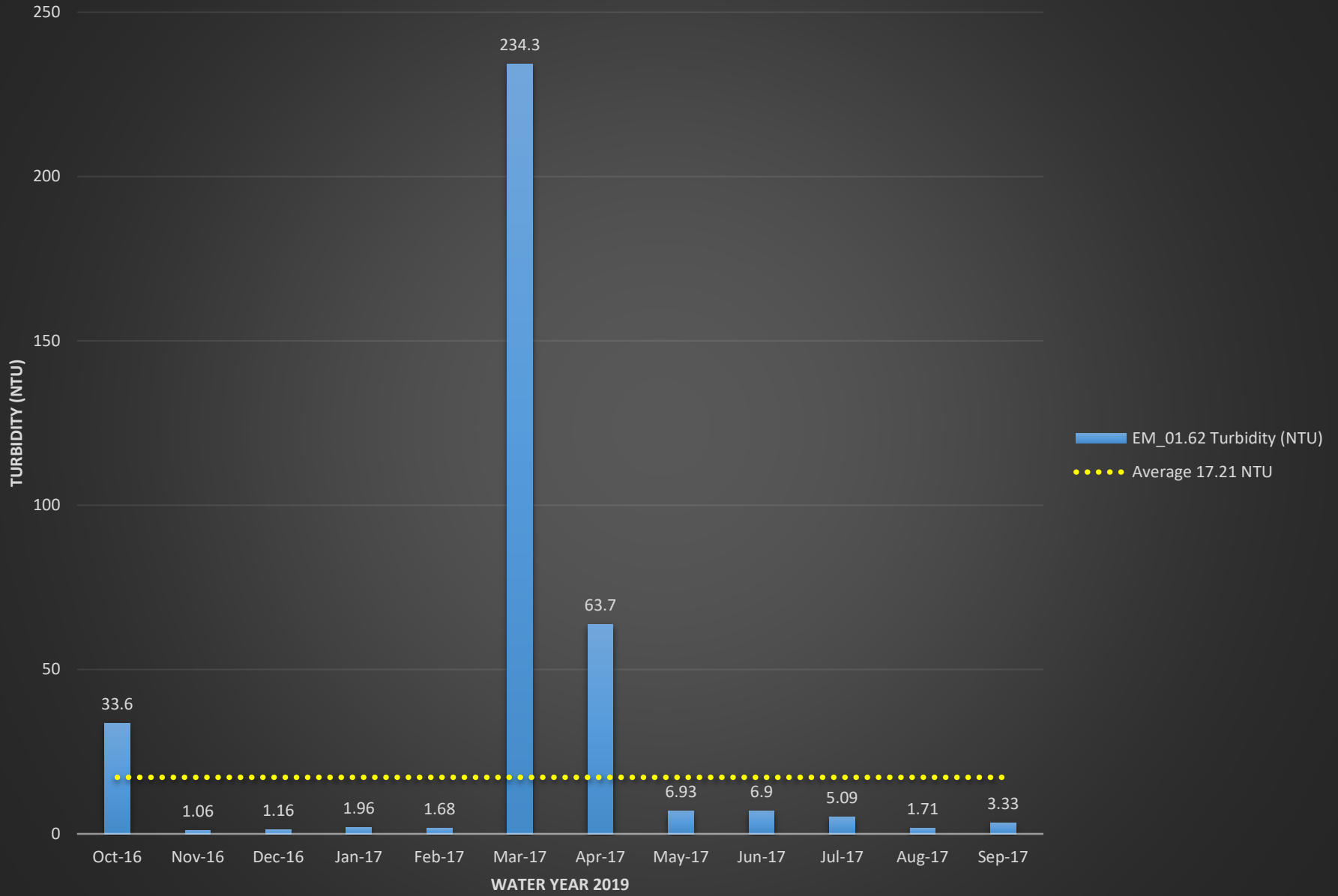
EM_01.62 pH



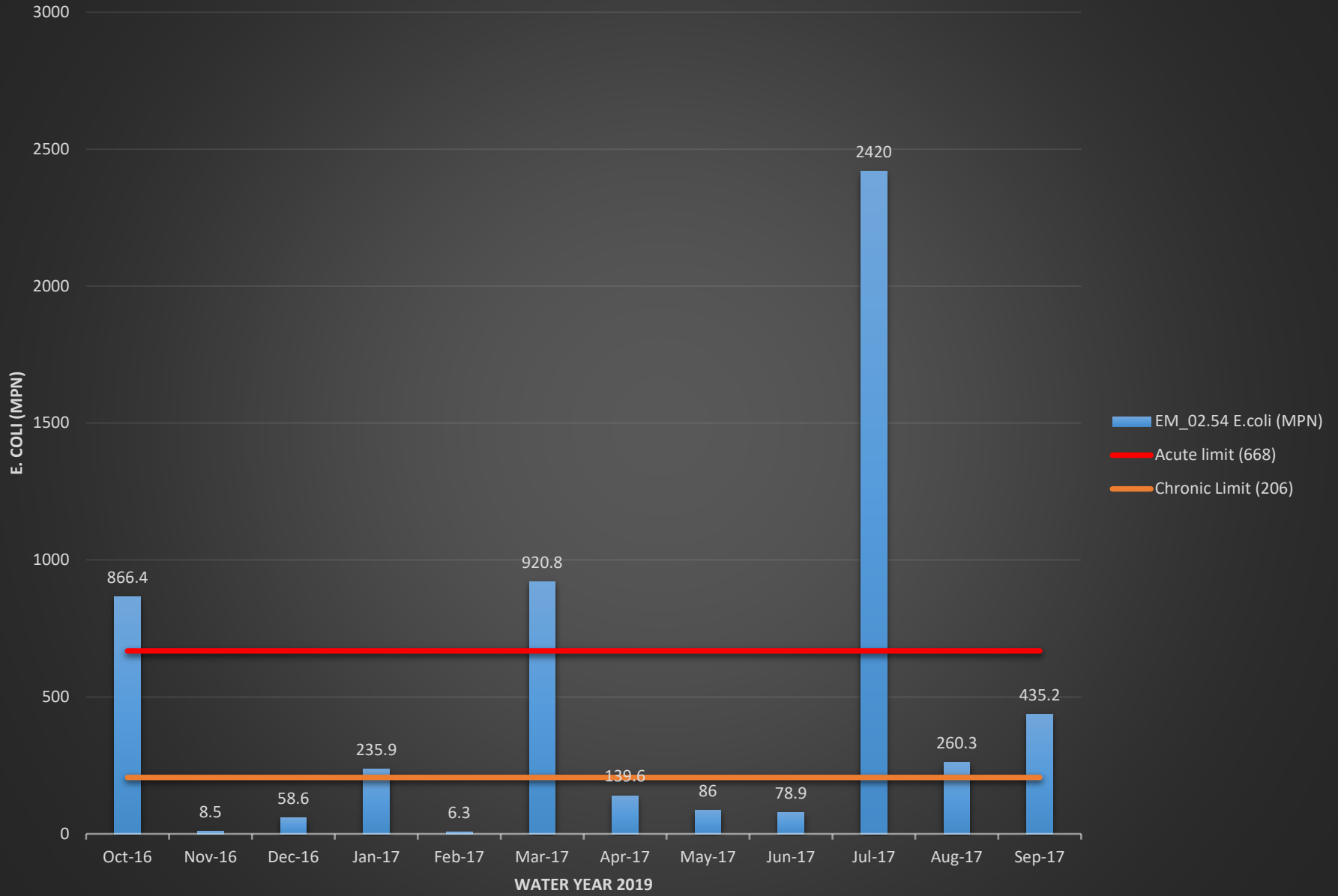
EM_01.62 Conductivity (mS/cm)



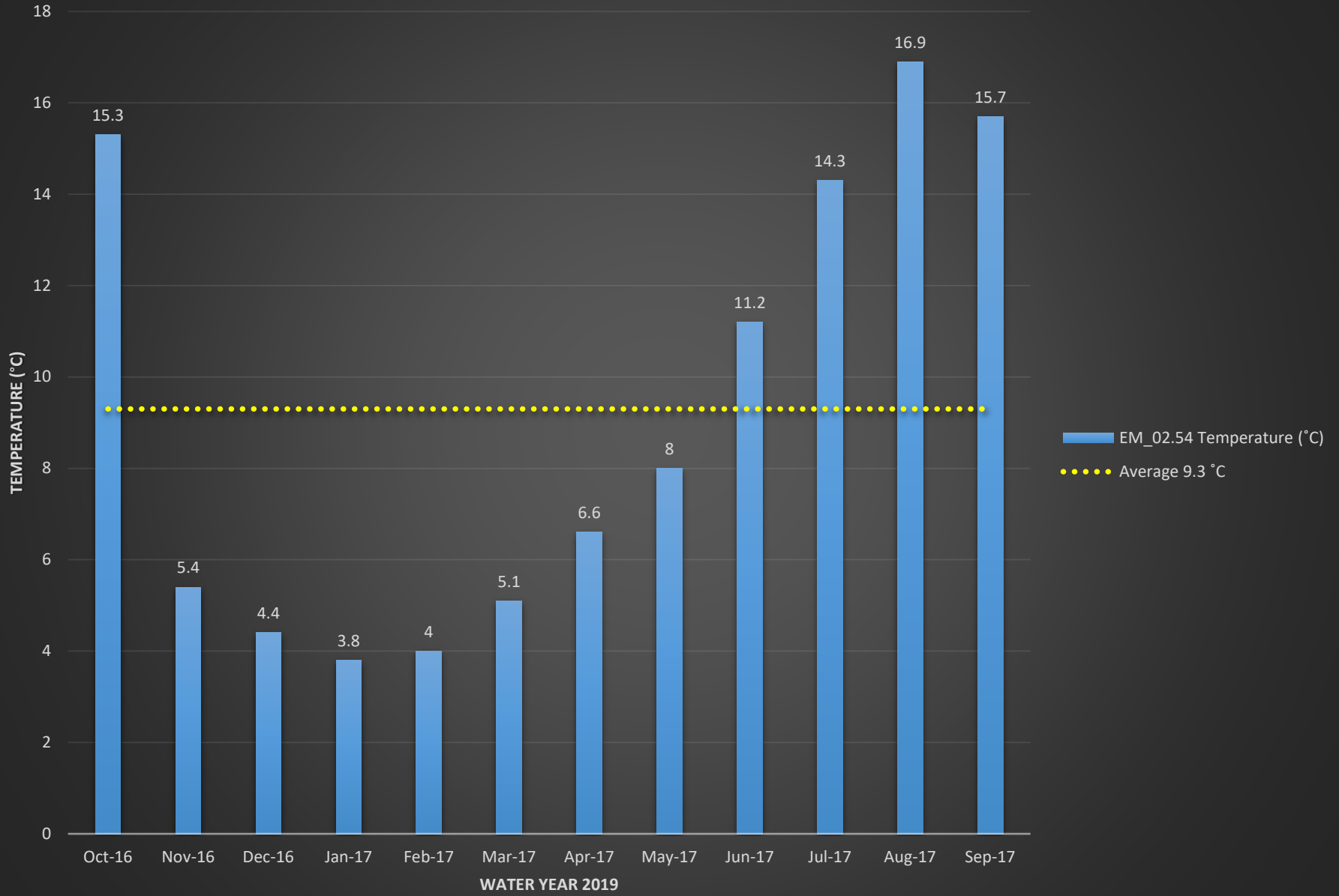
EM_01.62 Turbidity (NTU)



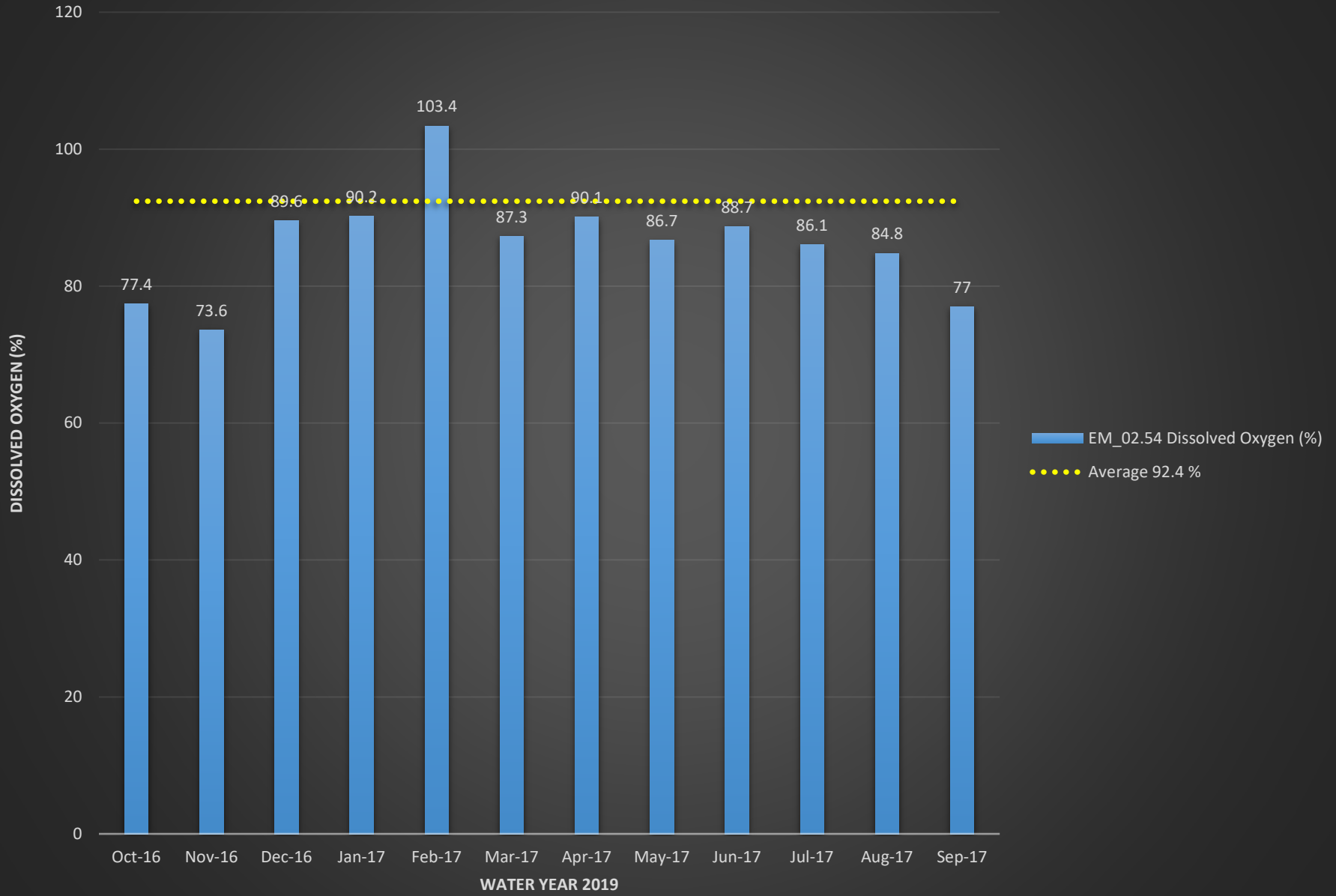
EM_02.54 E.coli (MPN)



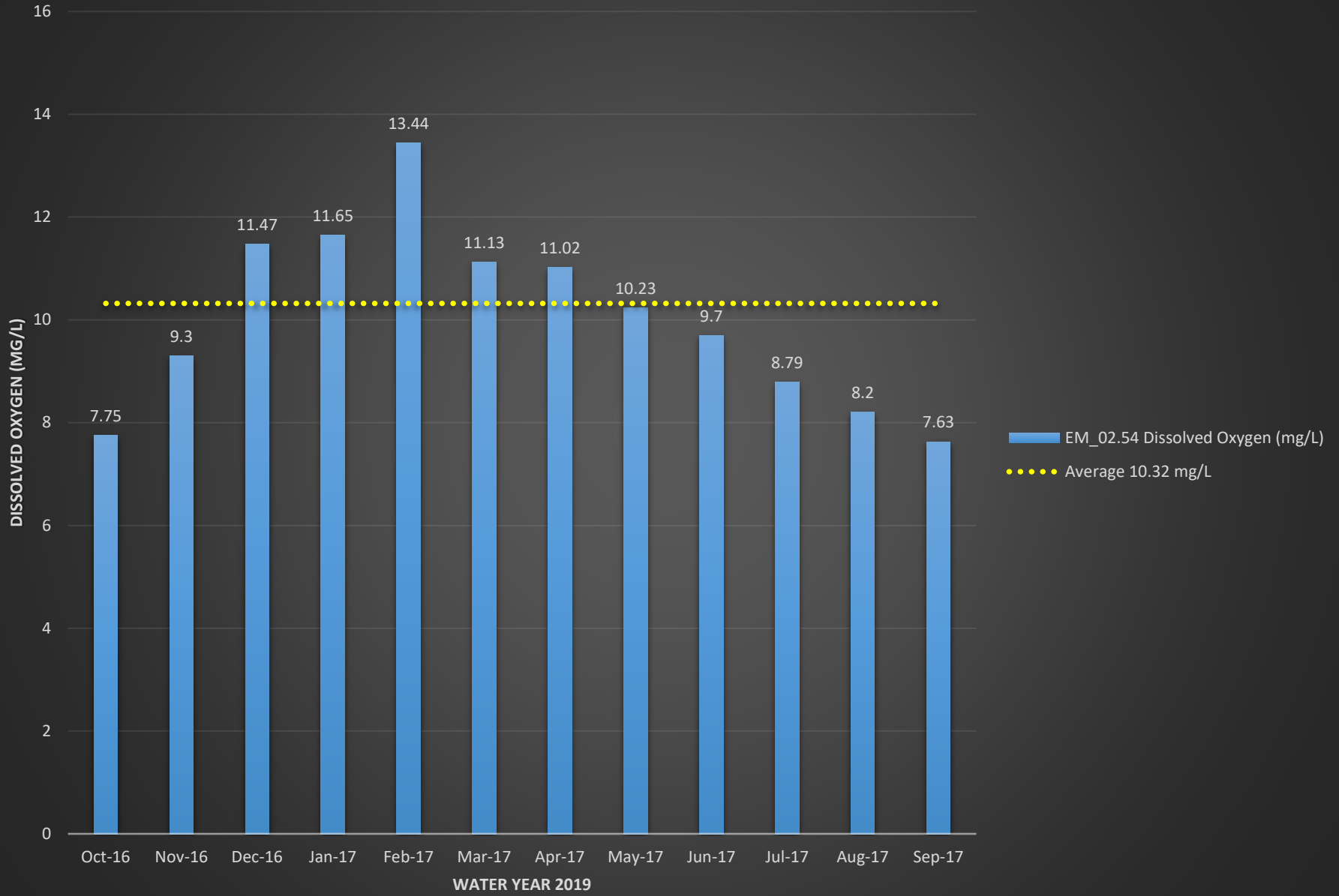
EM_02.54 Temperature (°C)



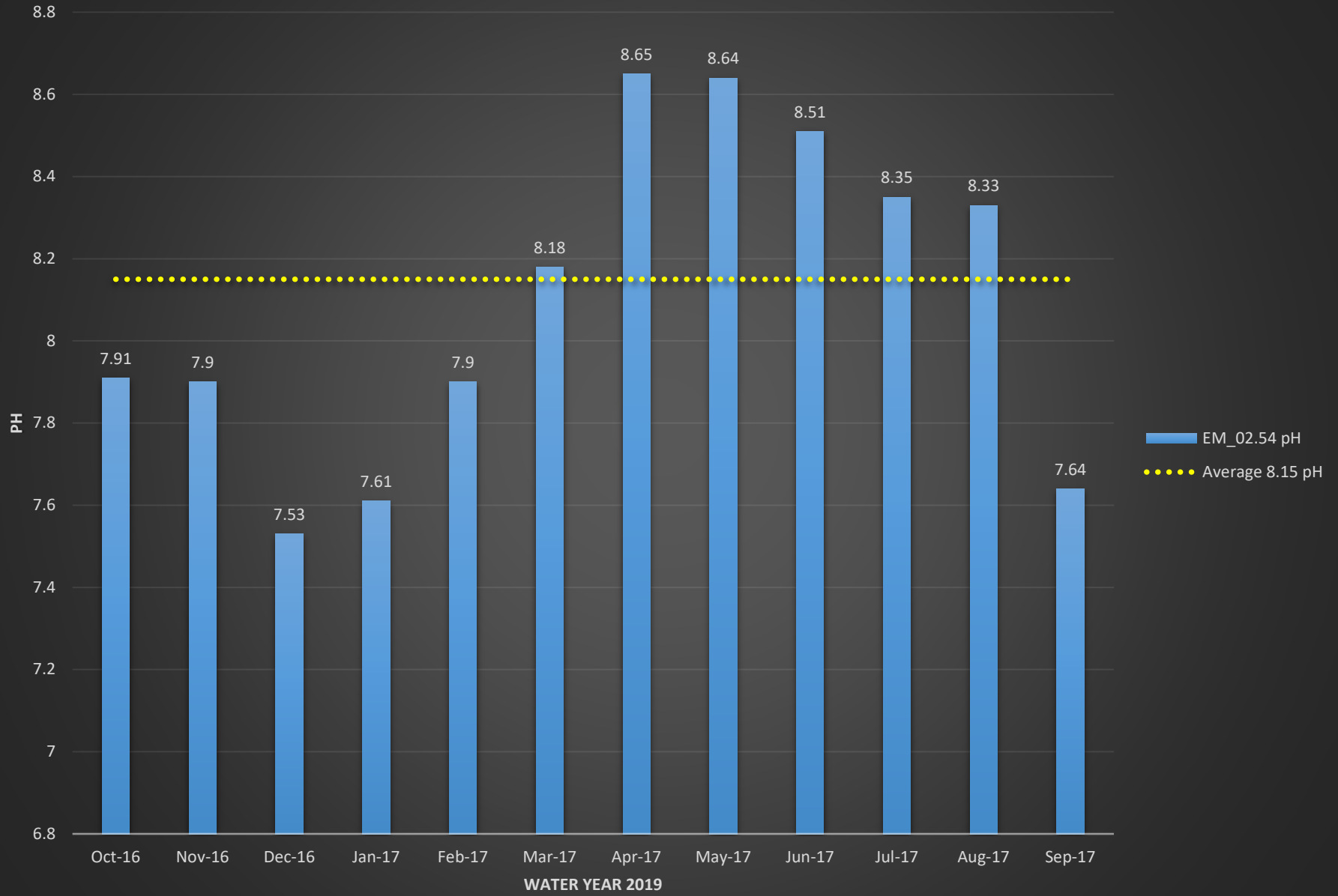
EM_02.54 Dissolved Oxygen (%)



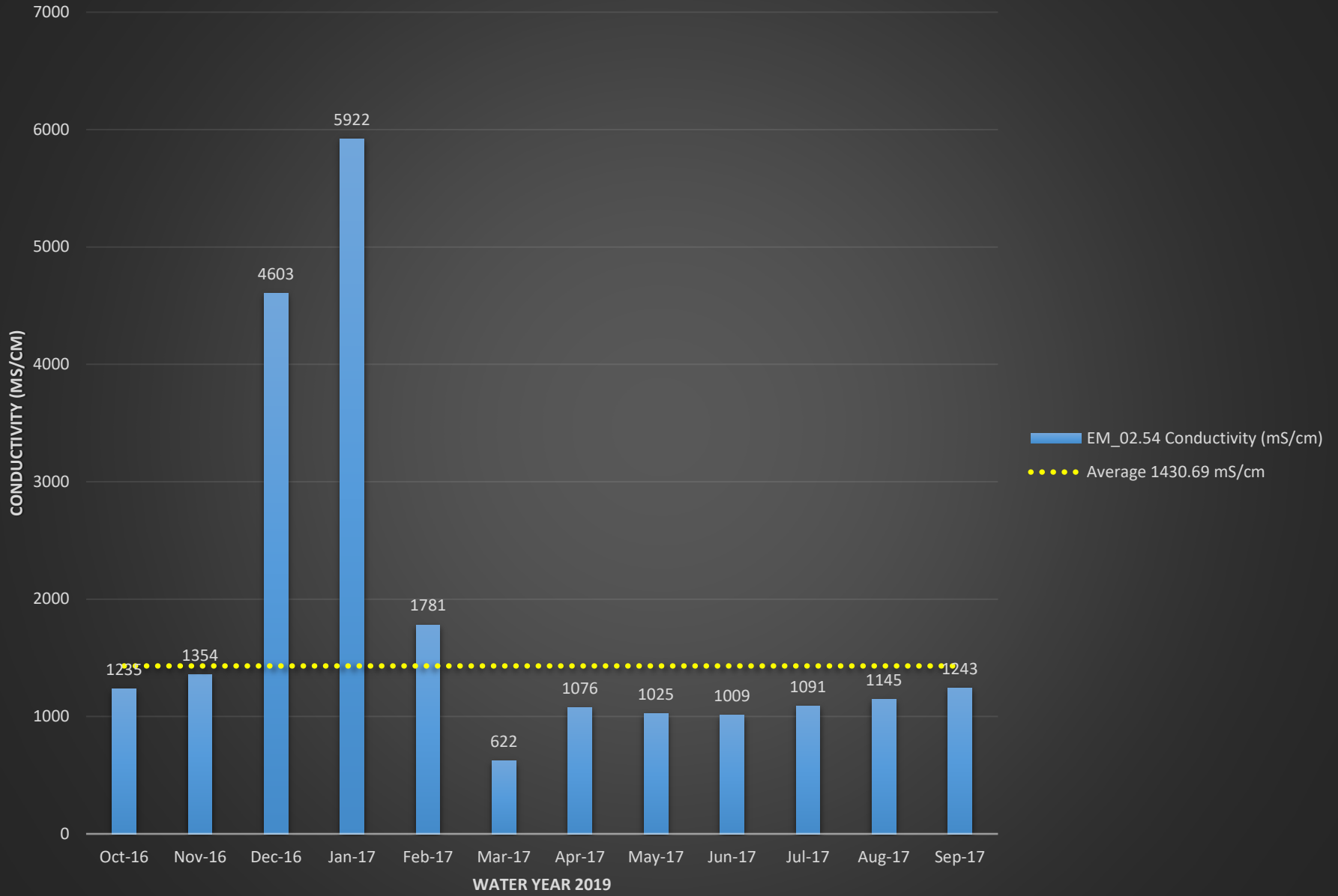
EM_02.54 Dissolved Oxygen (mg/L)



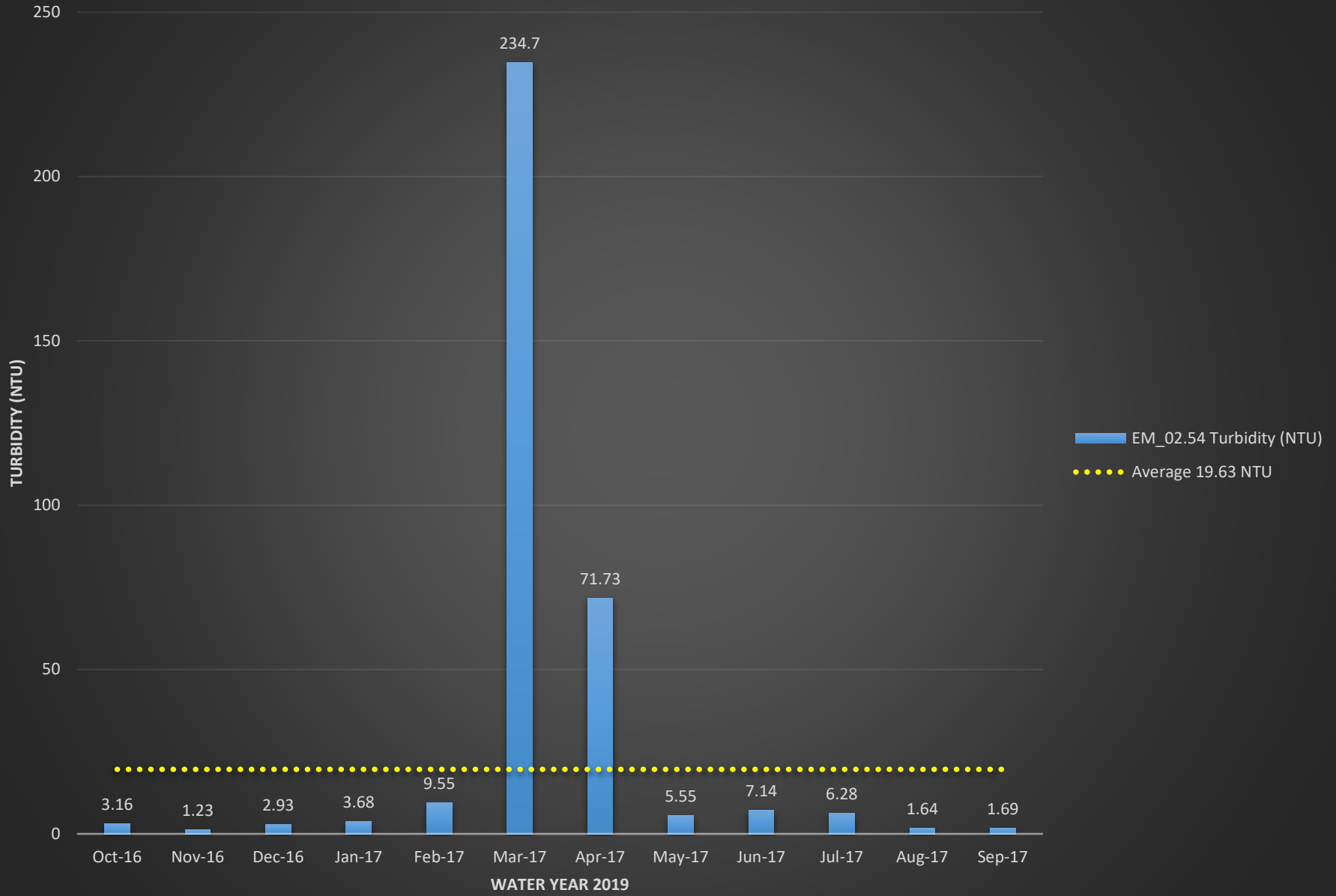
EM_02.54 pH



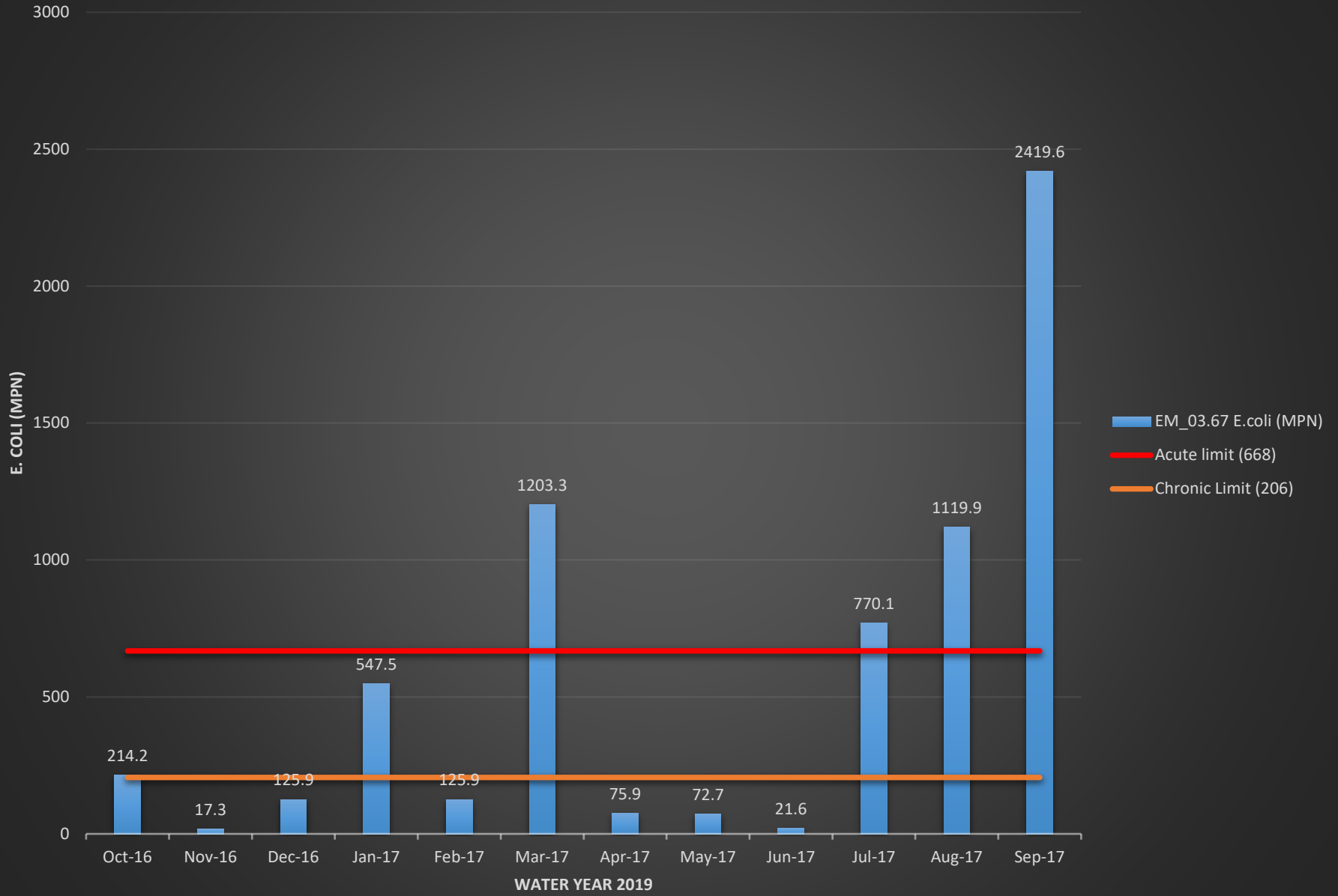
EM_02.54 Conductivity (mS/cm)



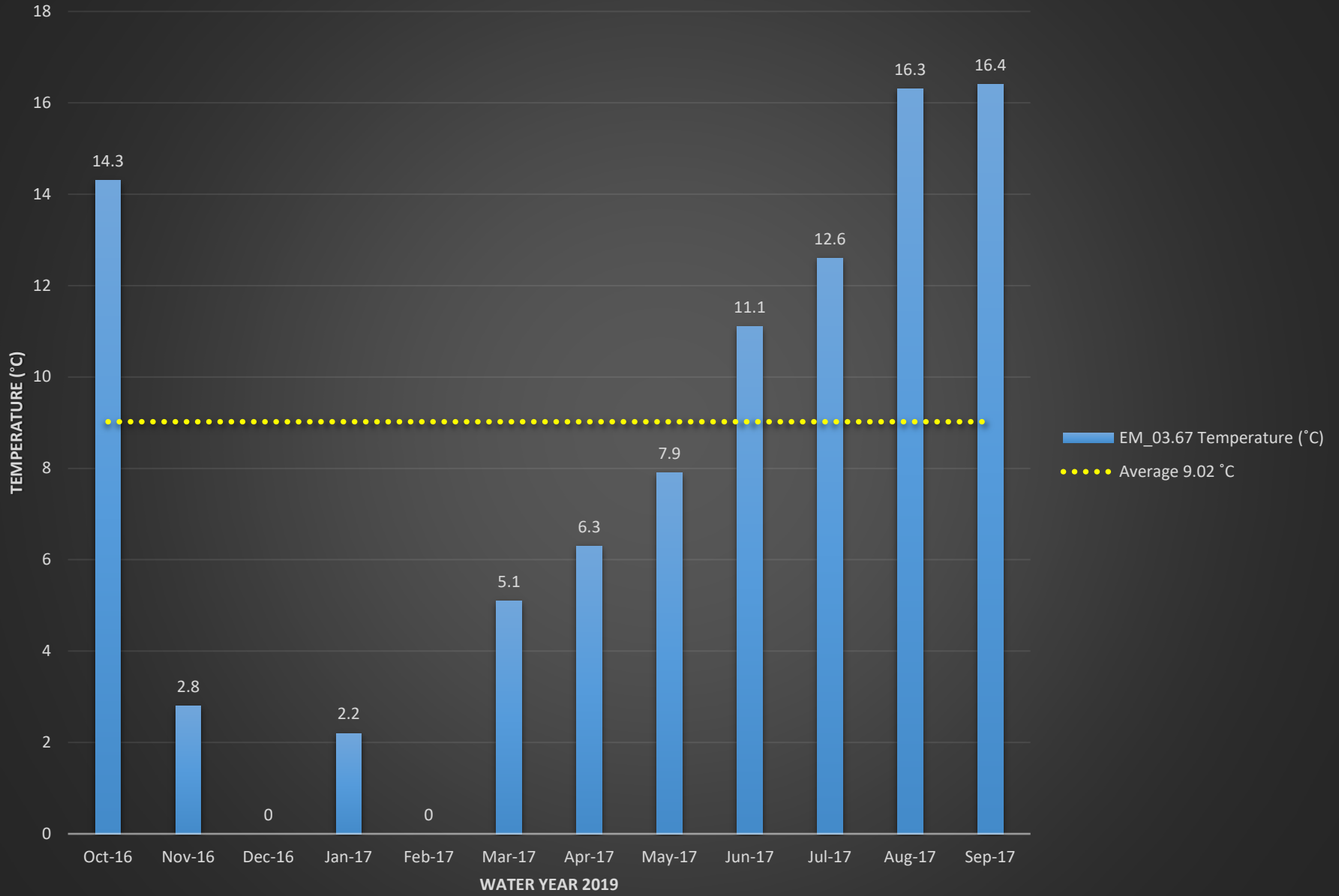
EM_02.54 Turbidity (NTU)



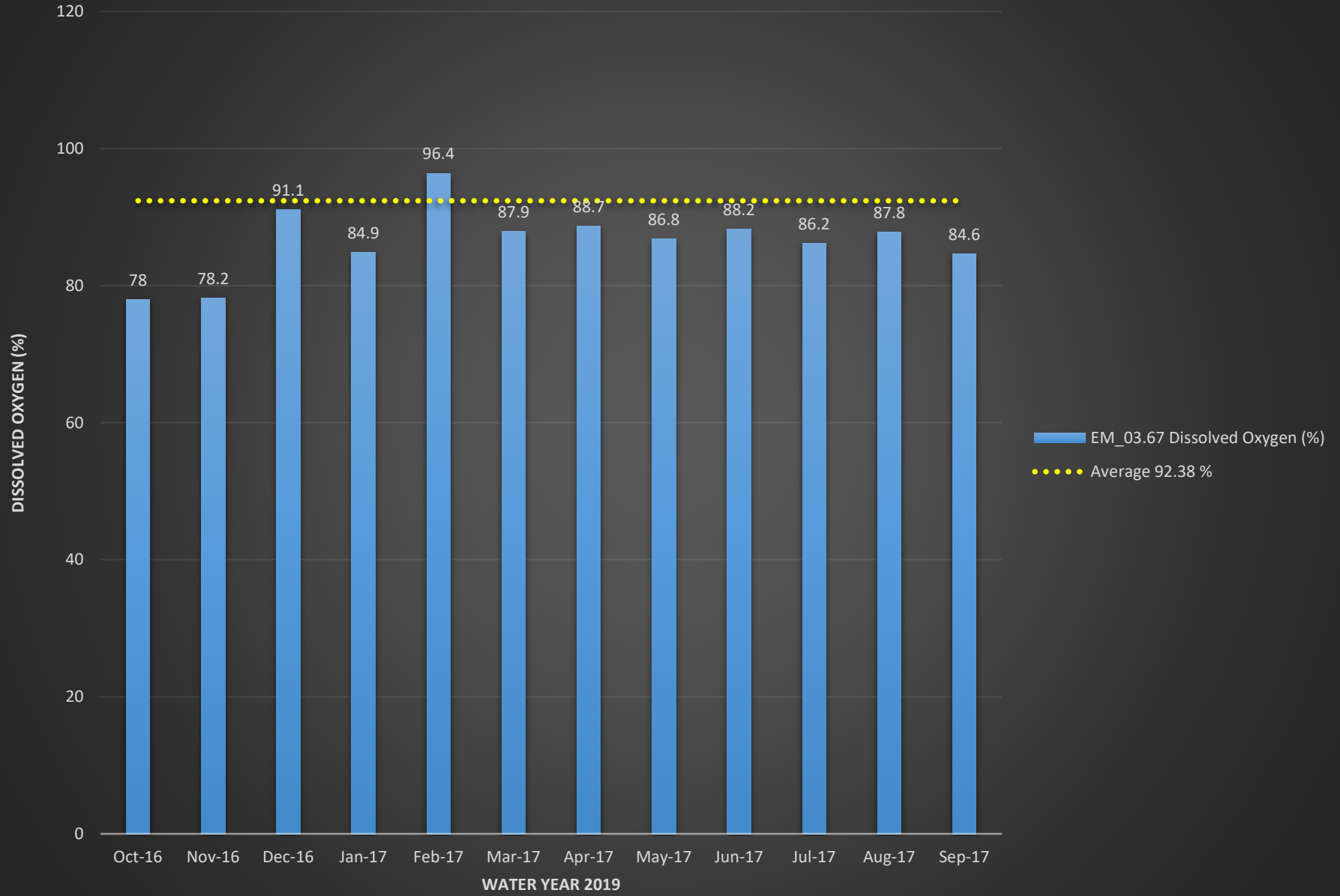
EM_03.67 E.coli (MPN)



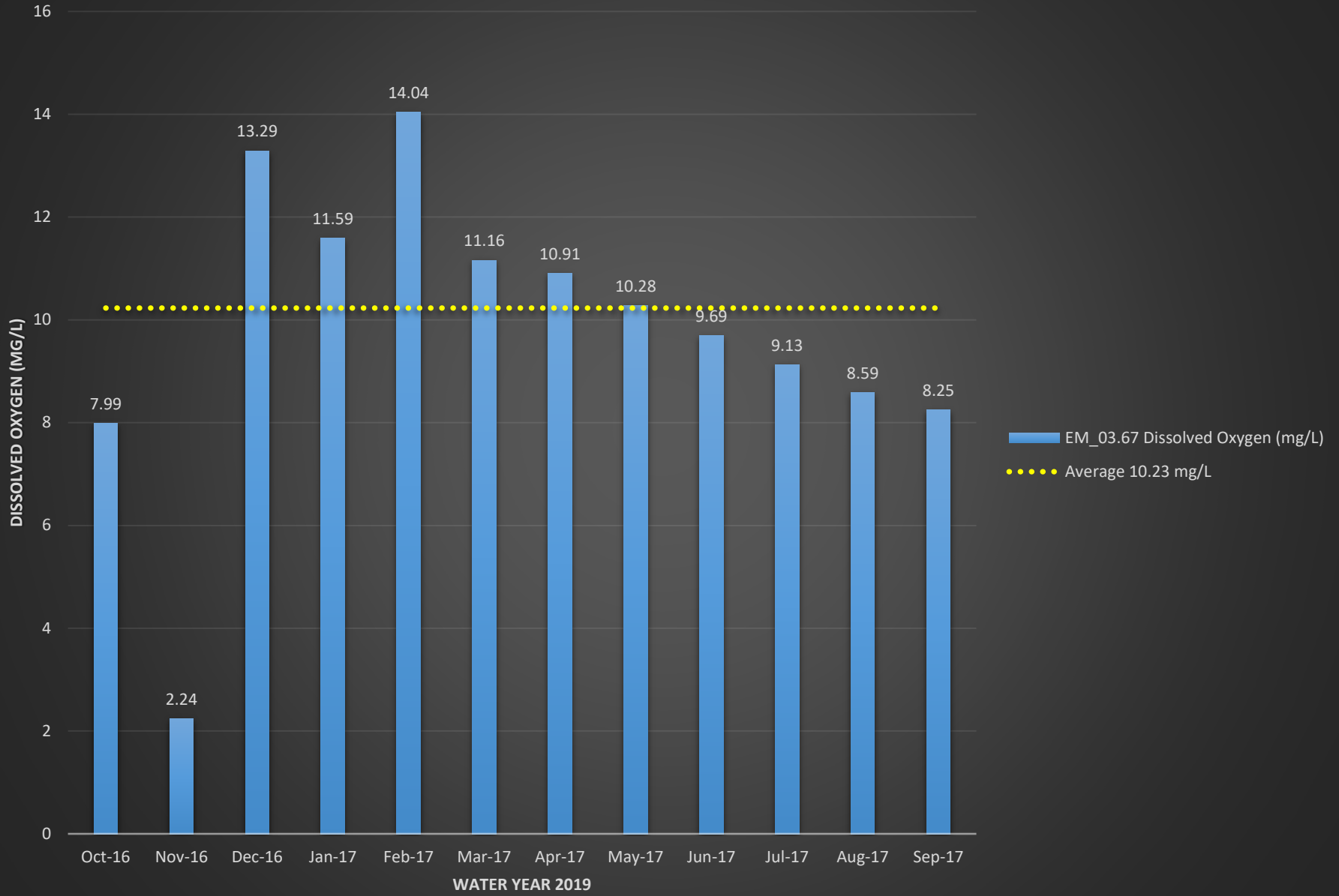
EM_03.67 Temperature (°C)



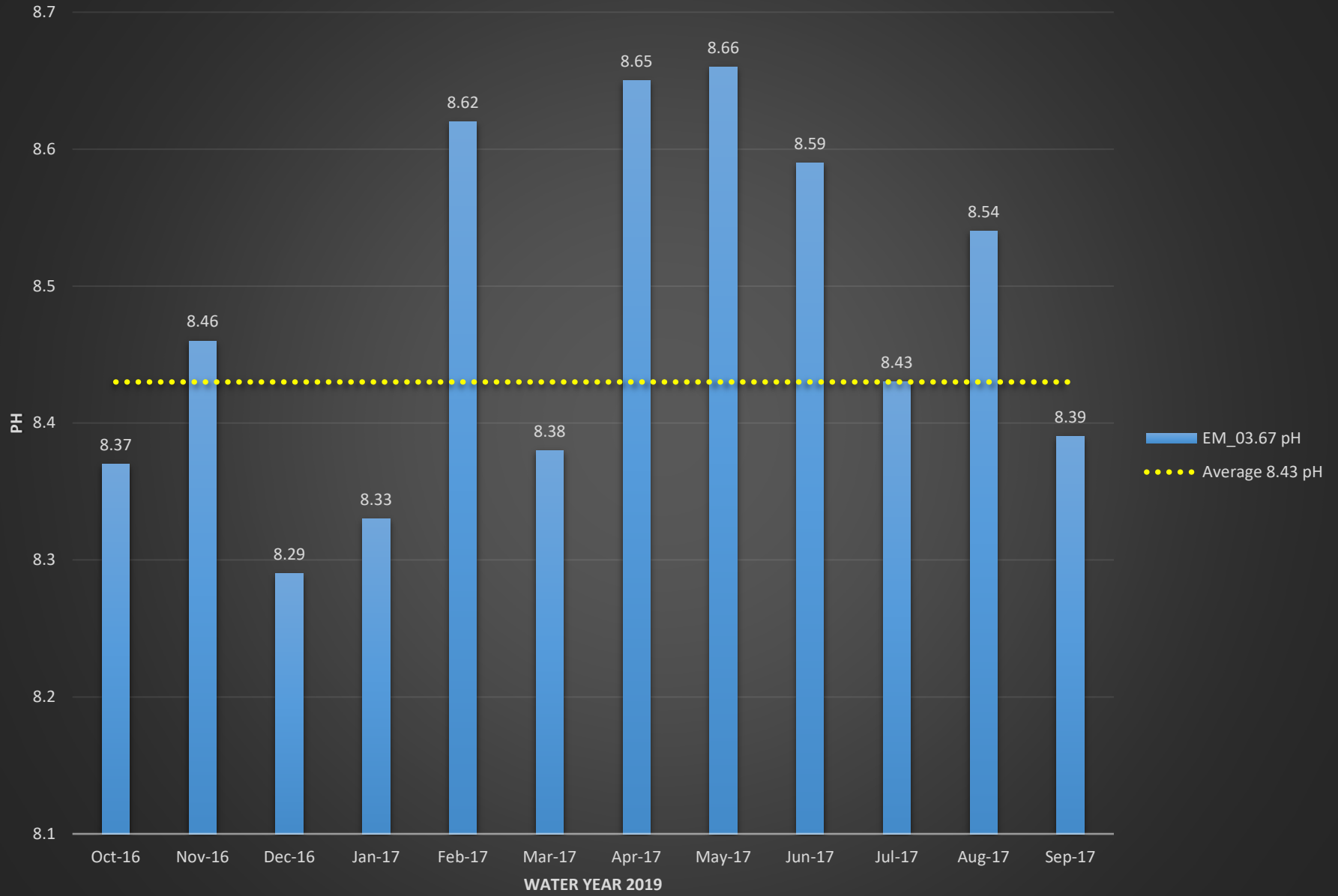
EM_03.67 Dissolved Oxygen (%)



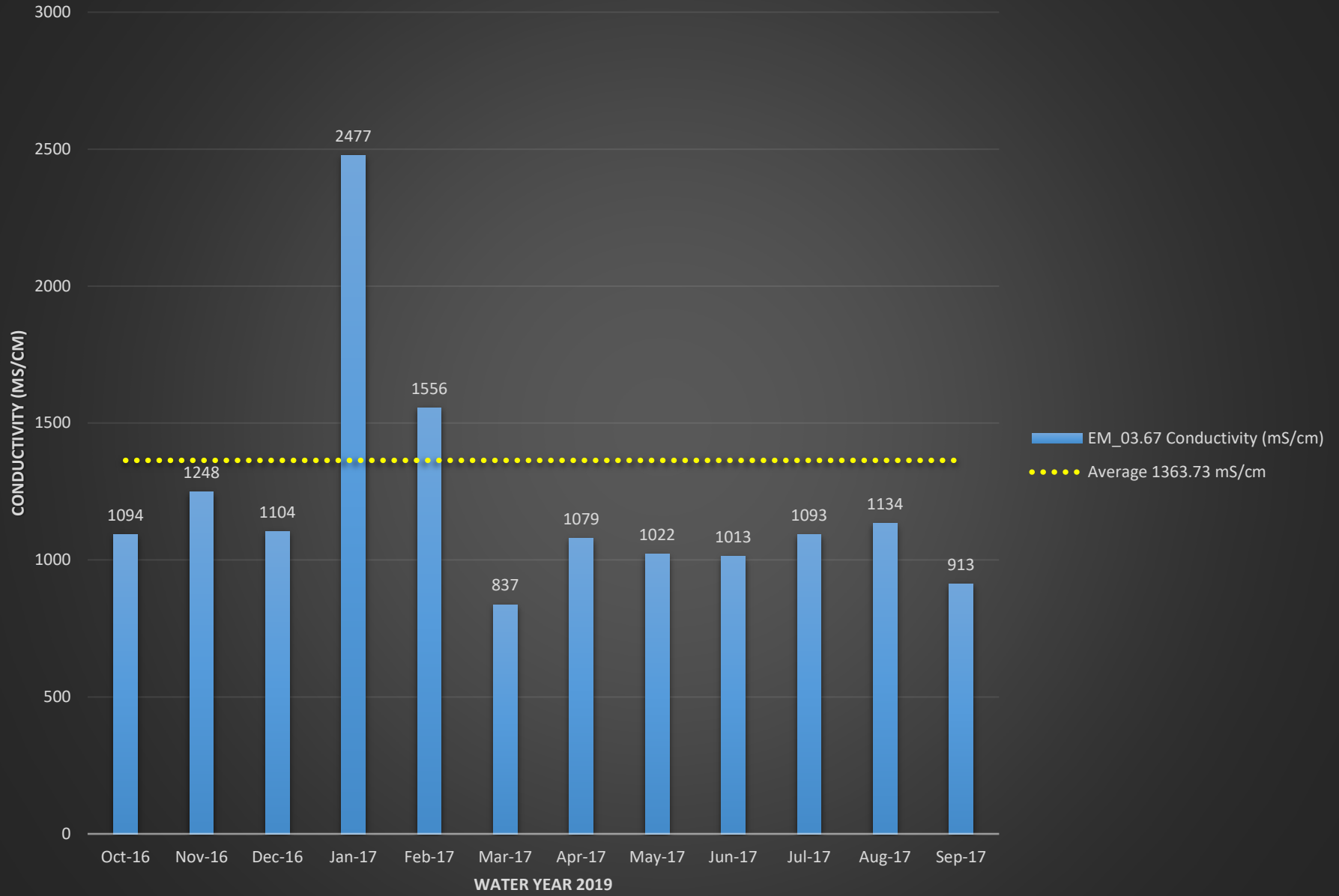
EM_03.67 Dissolved Oxygen (mg/L)



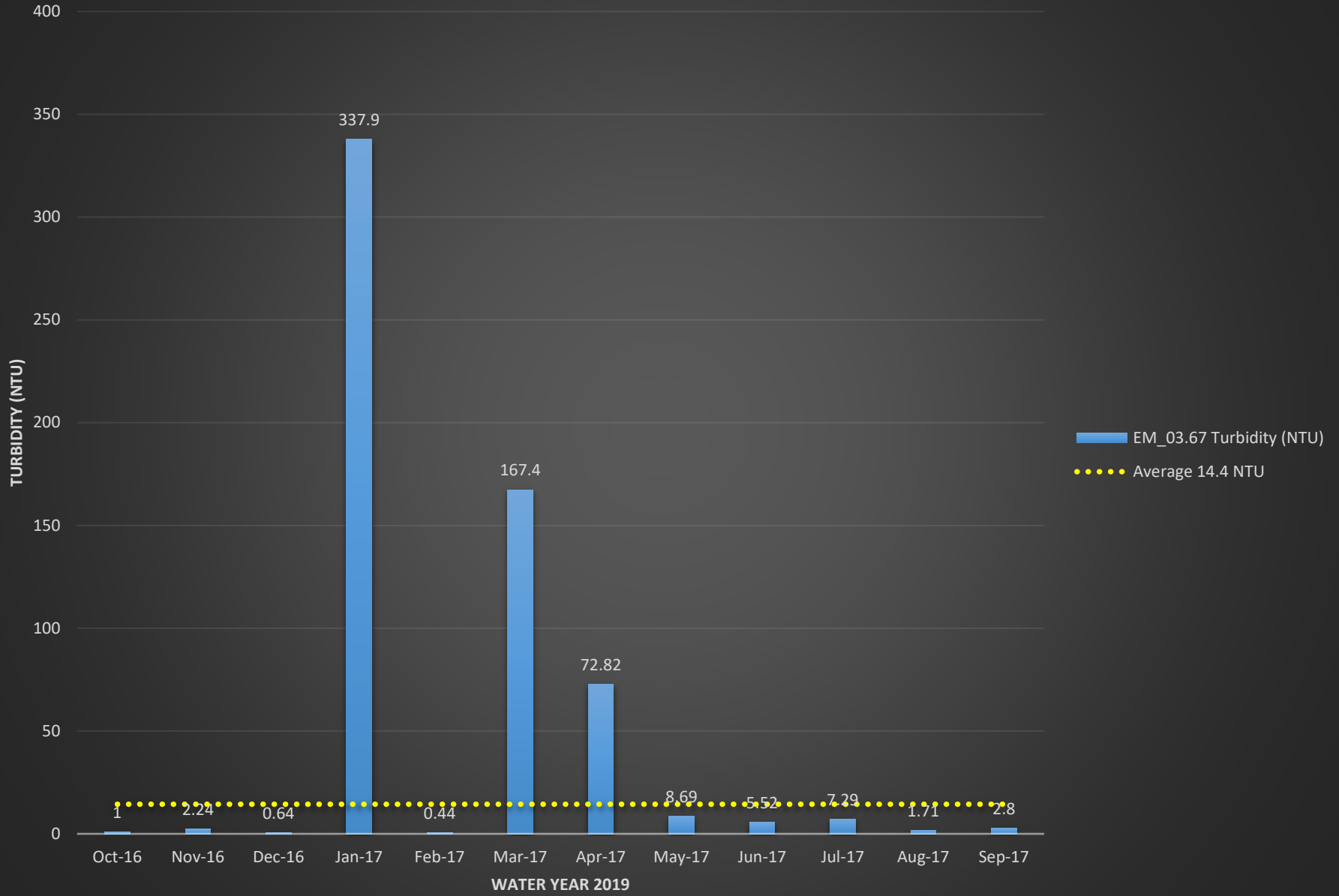
EM_03.67 pH



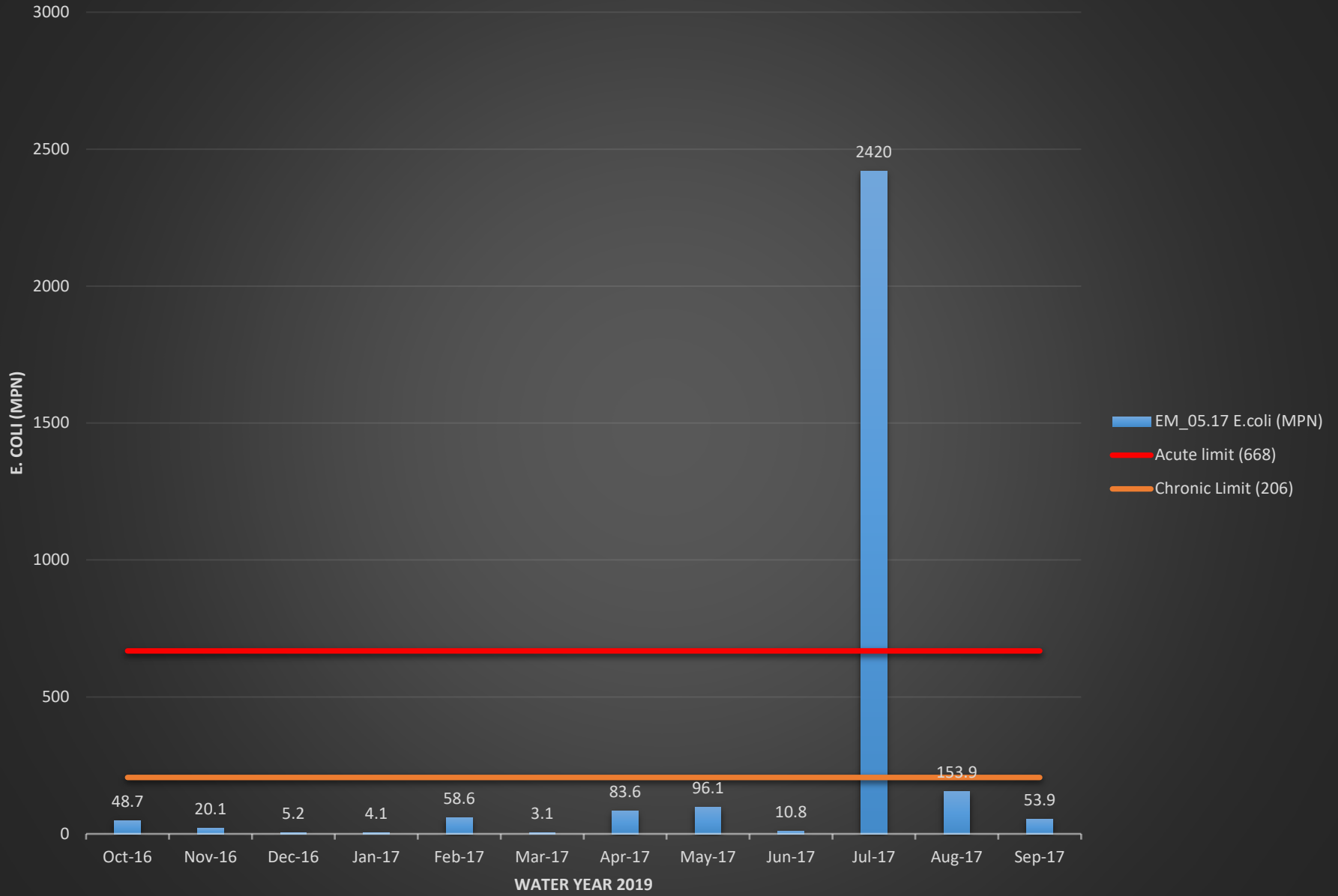
EM_03.67 Conductivity (mS/cm)



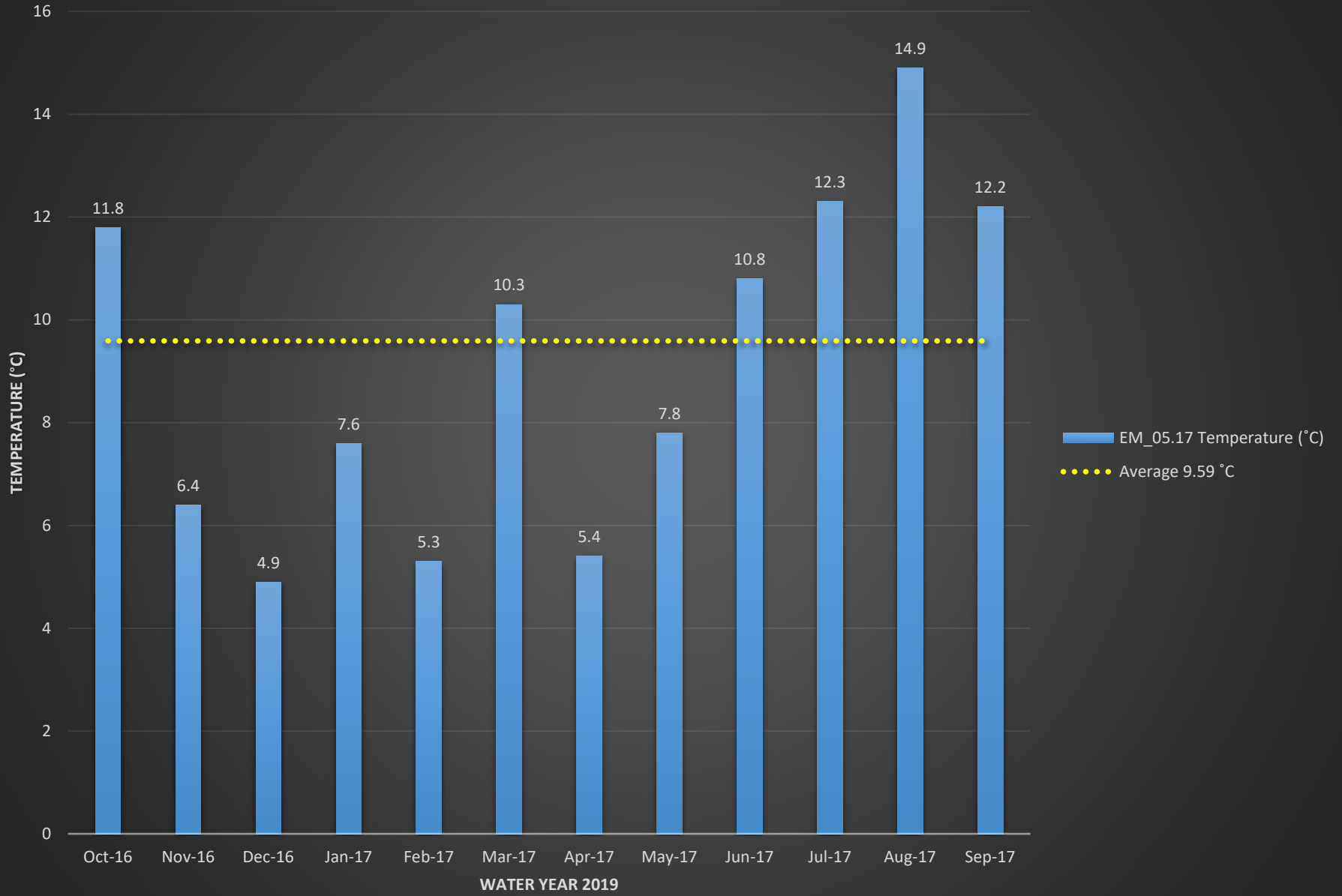
EM_03.67 Turbidity (NTU)



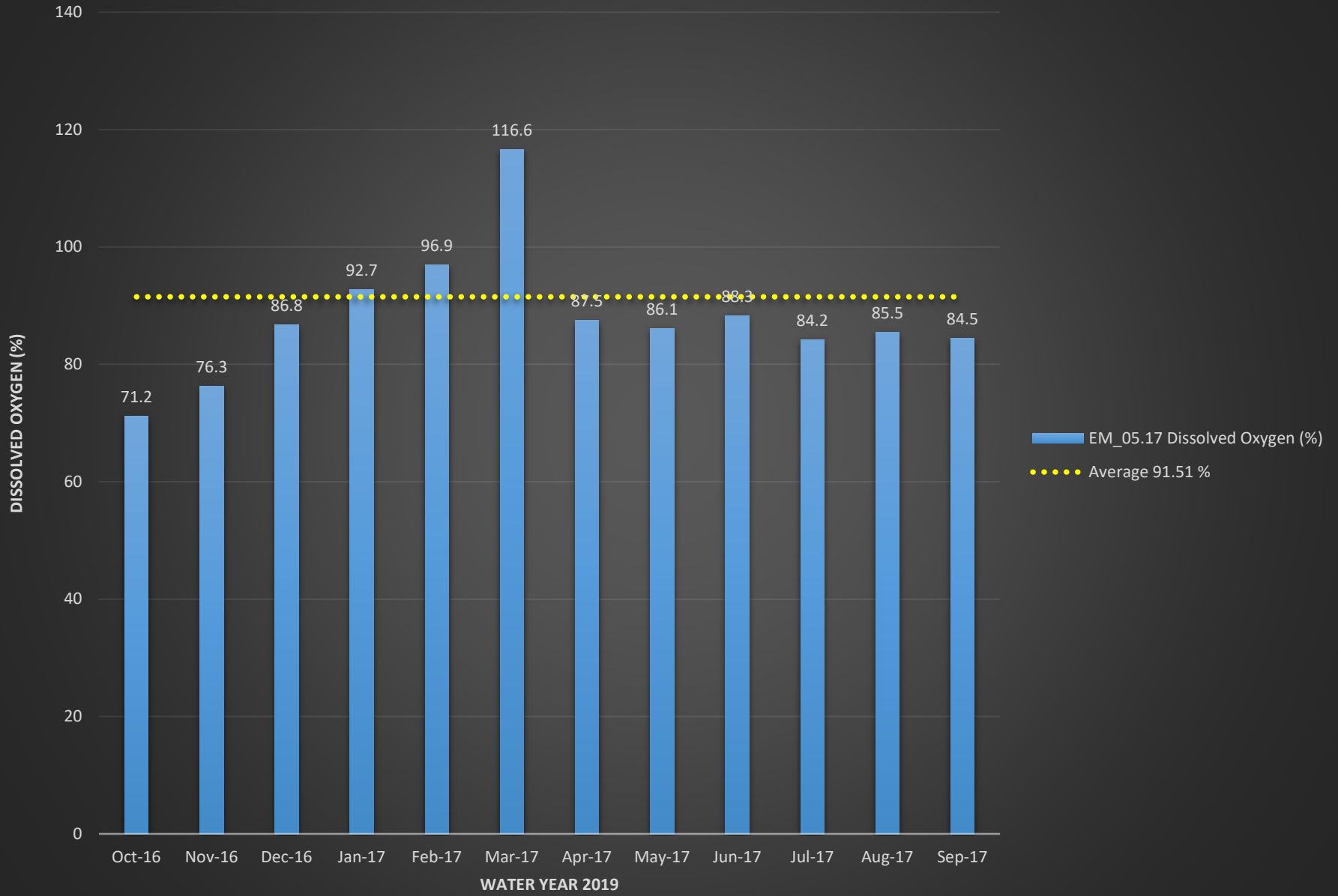
EM_05.17 E.coli (MPN)



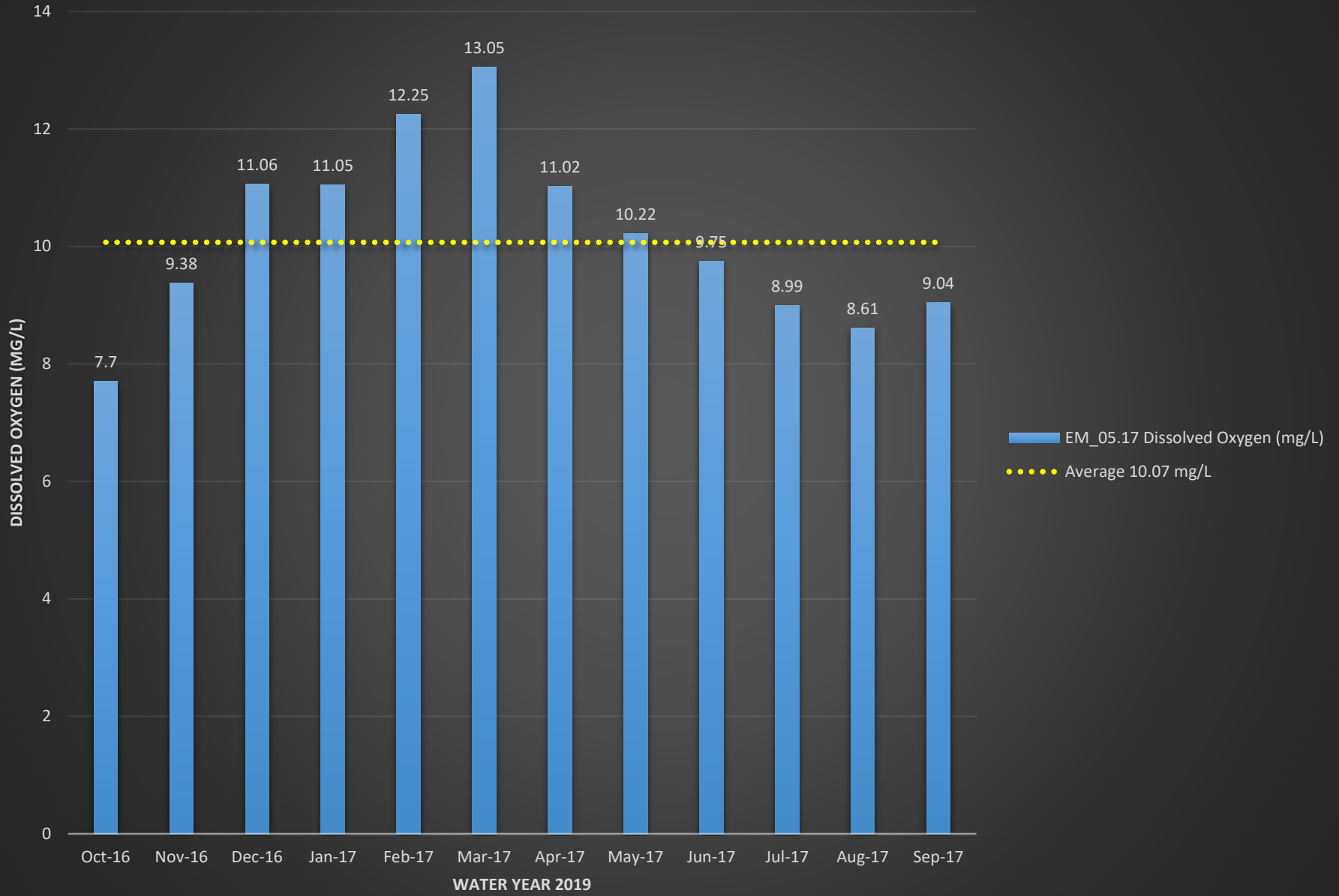
EM_05.17 Temperature (°C)



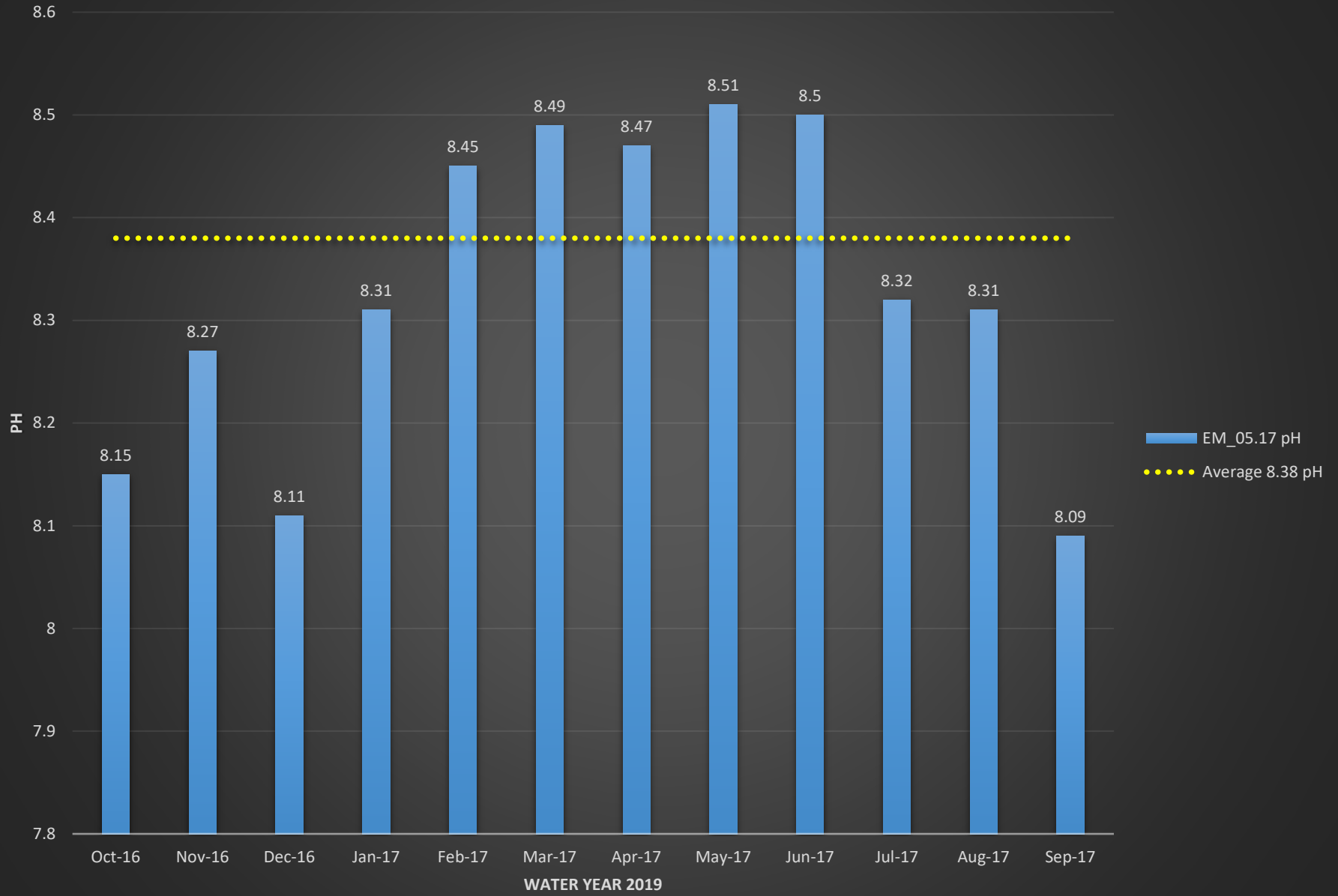
EM_05.17 Dissolved Oxygen (%)



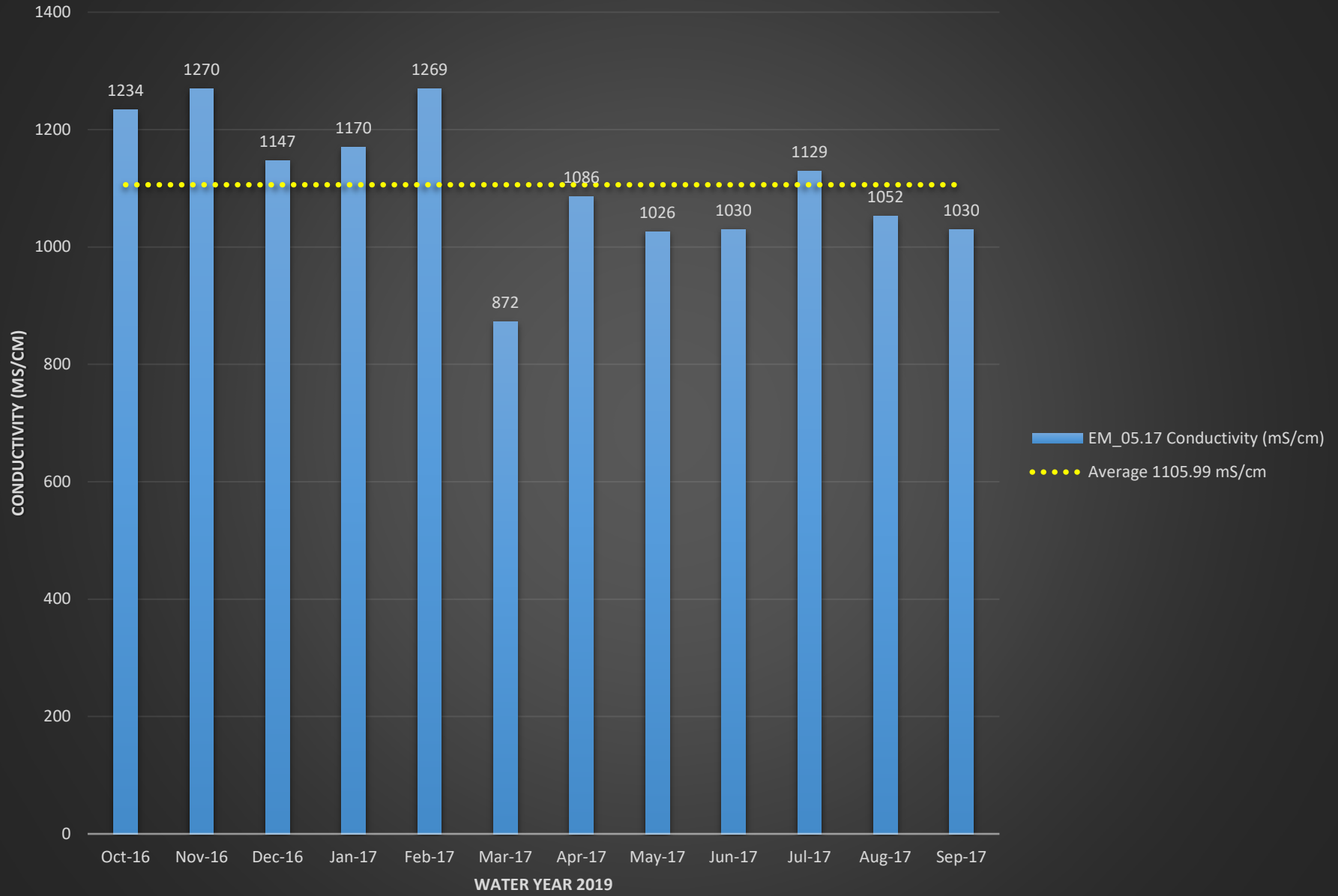
EM_05.17 Dissolved Oxygen (mg/L)



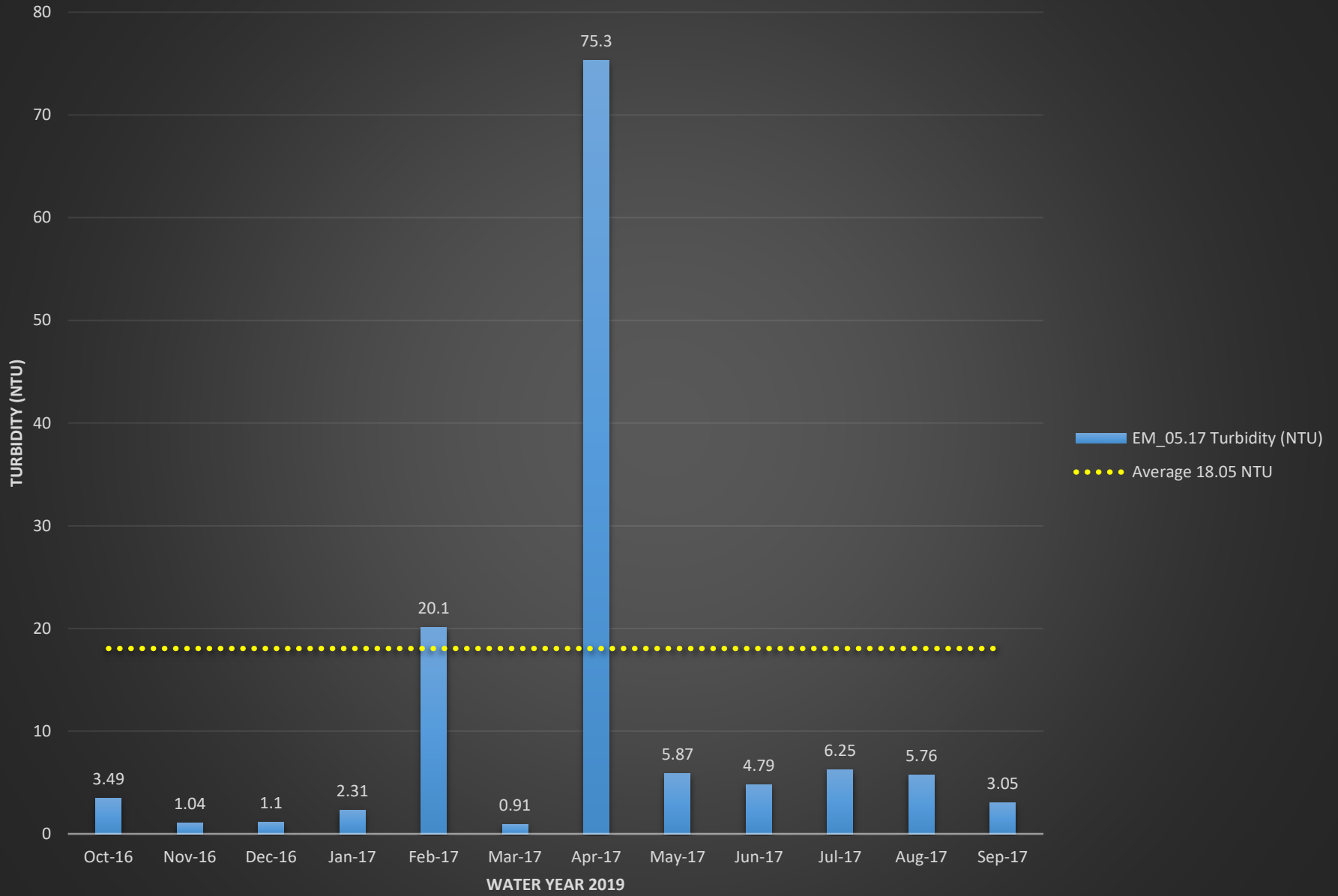
EM_05.17 pH



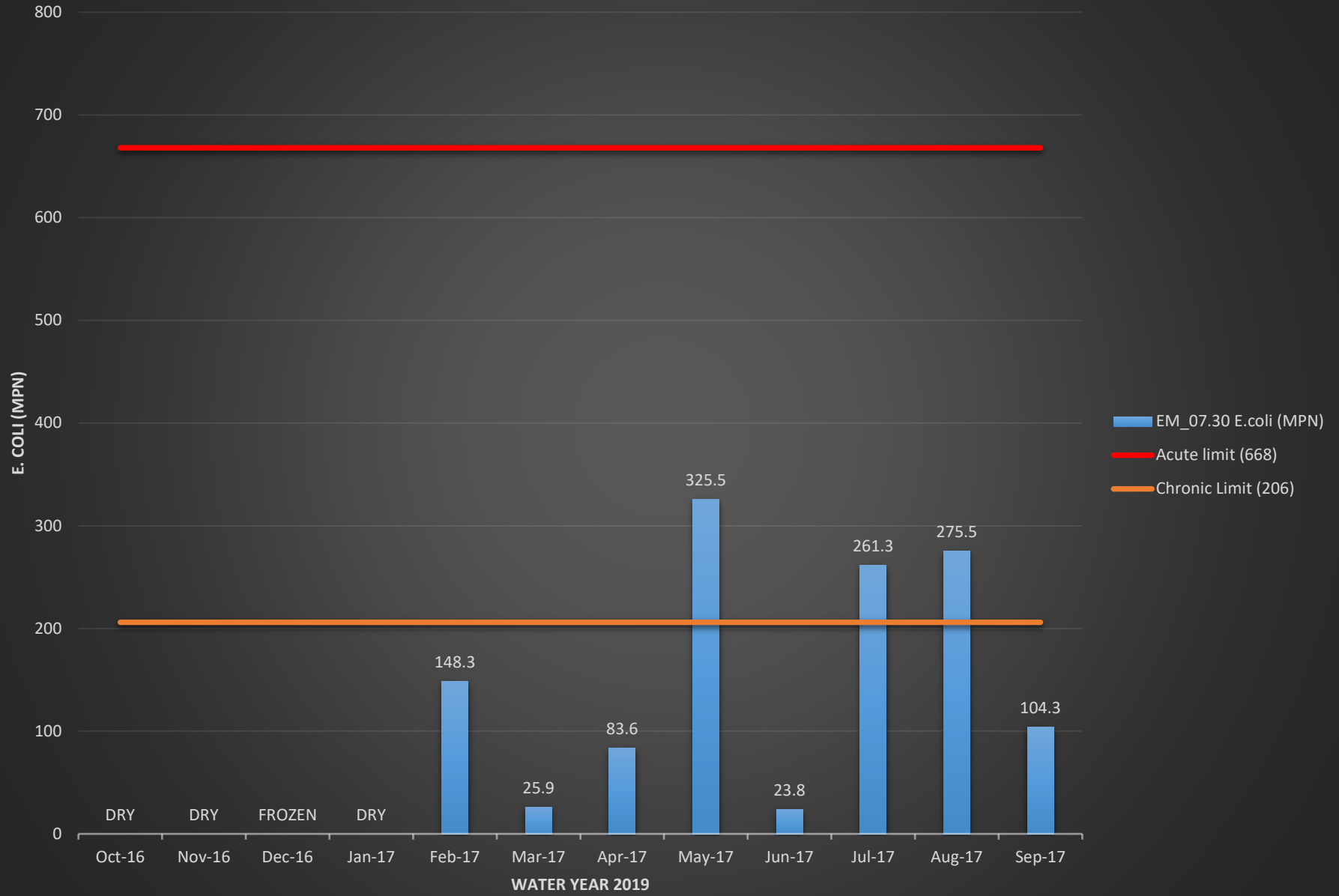
EM_05.17 Conductivity (mS/cm)



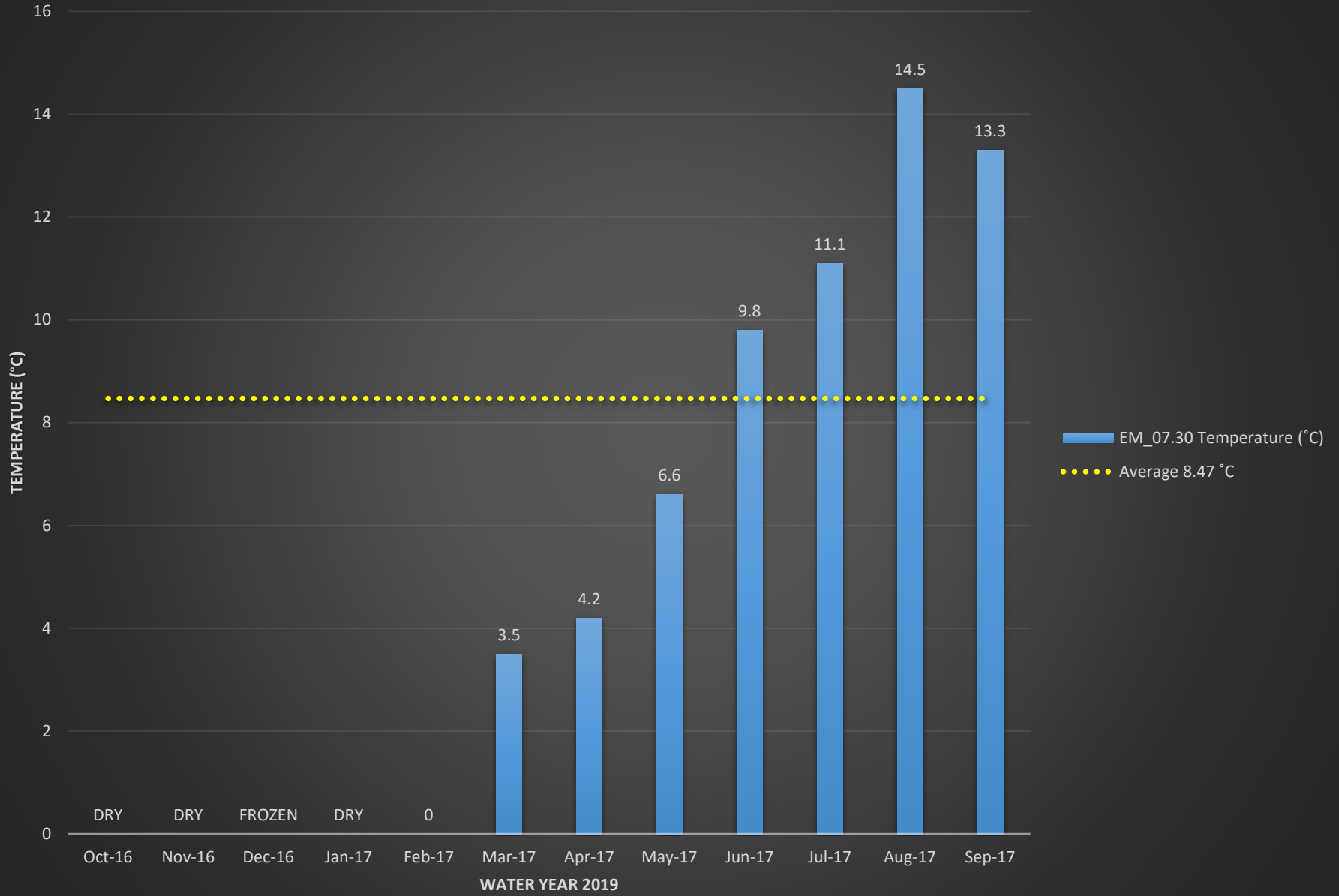
EM_05.17 Turbidity (NTU)



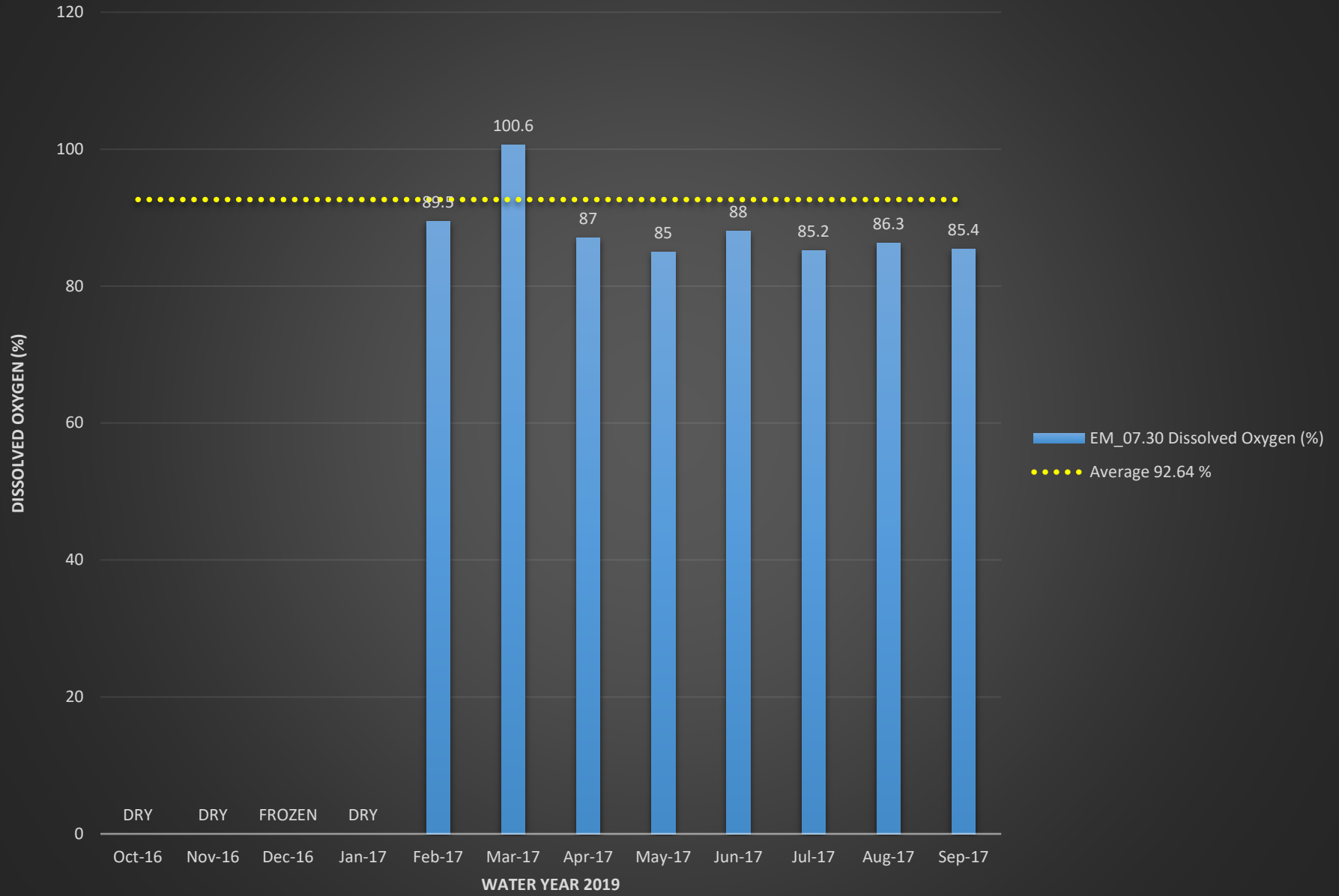
EM_07.30 E.coli (MPN)



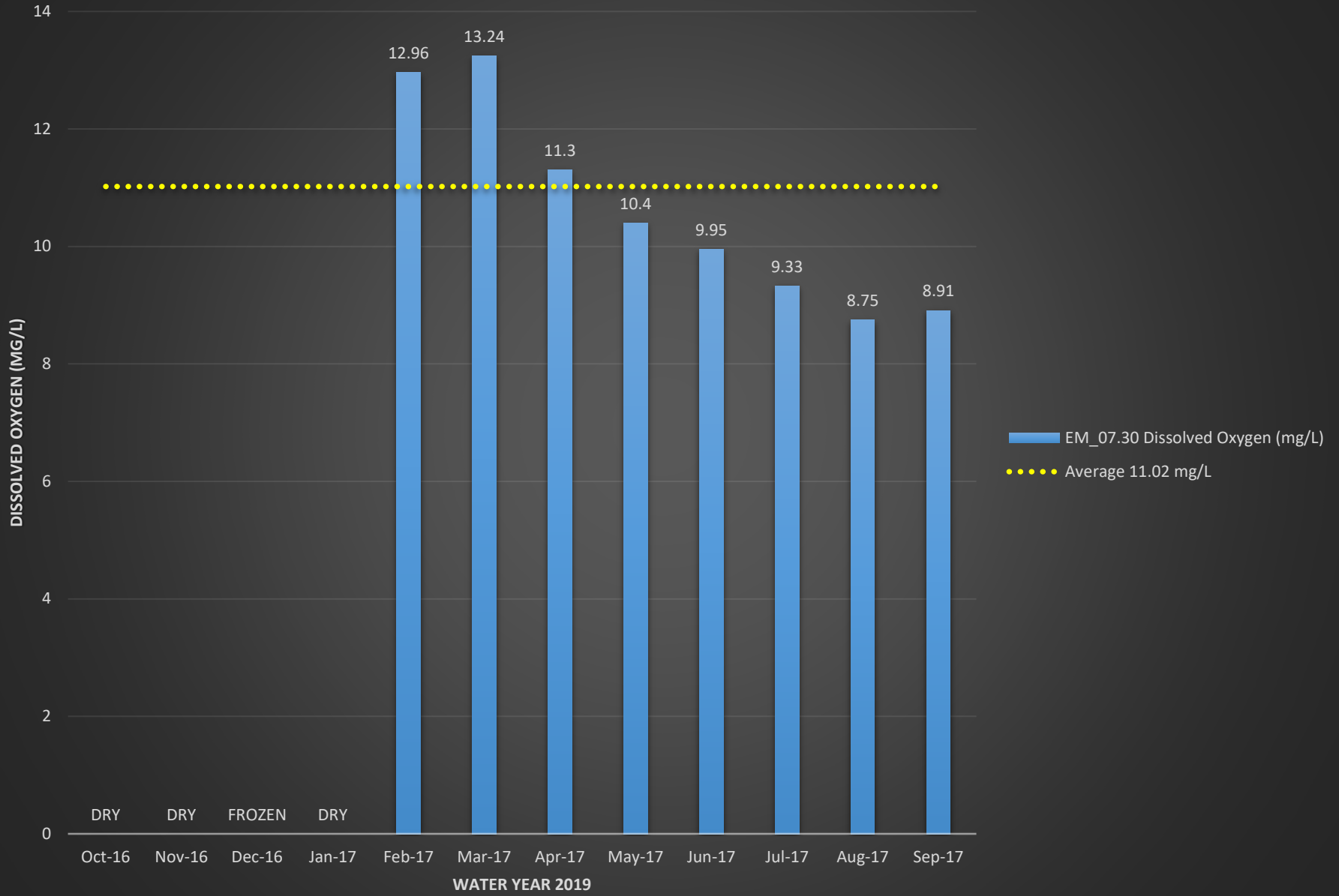
EM_07.30 Temperature (°C)



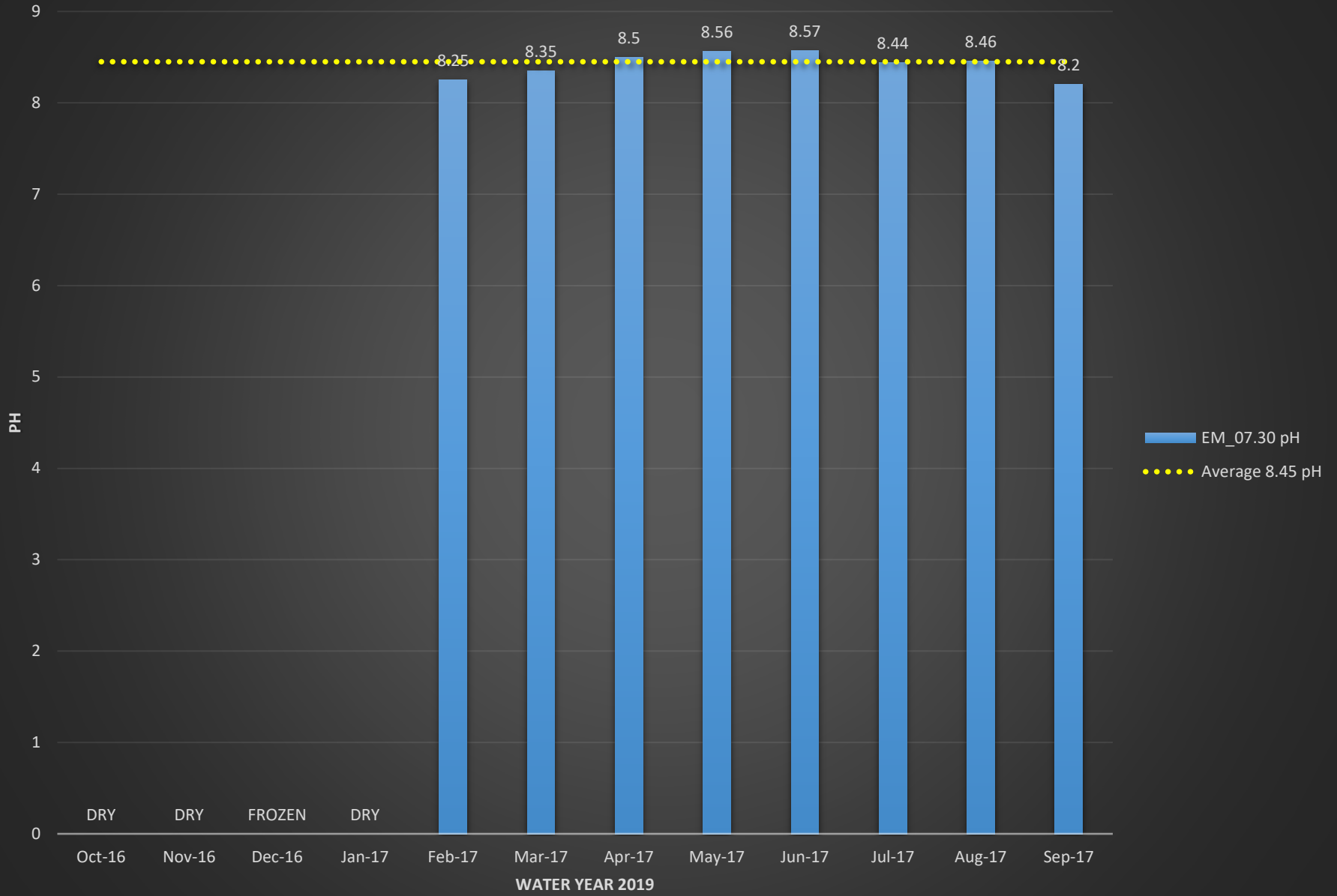
EM_07.30 Dissolved Oxygen (%)



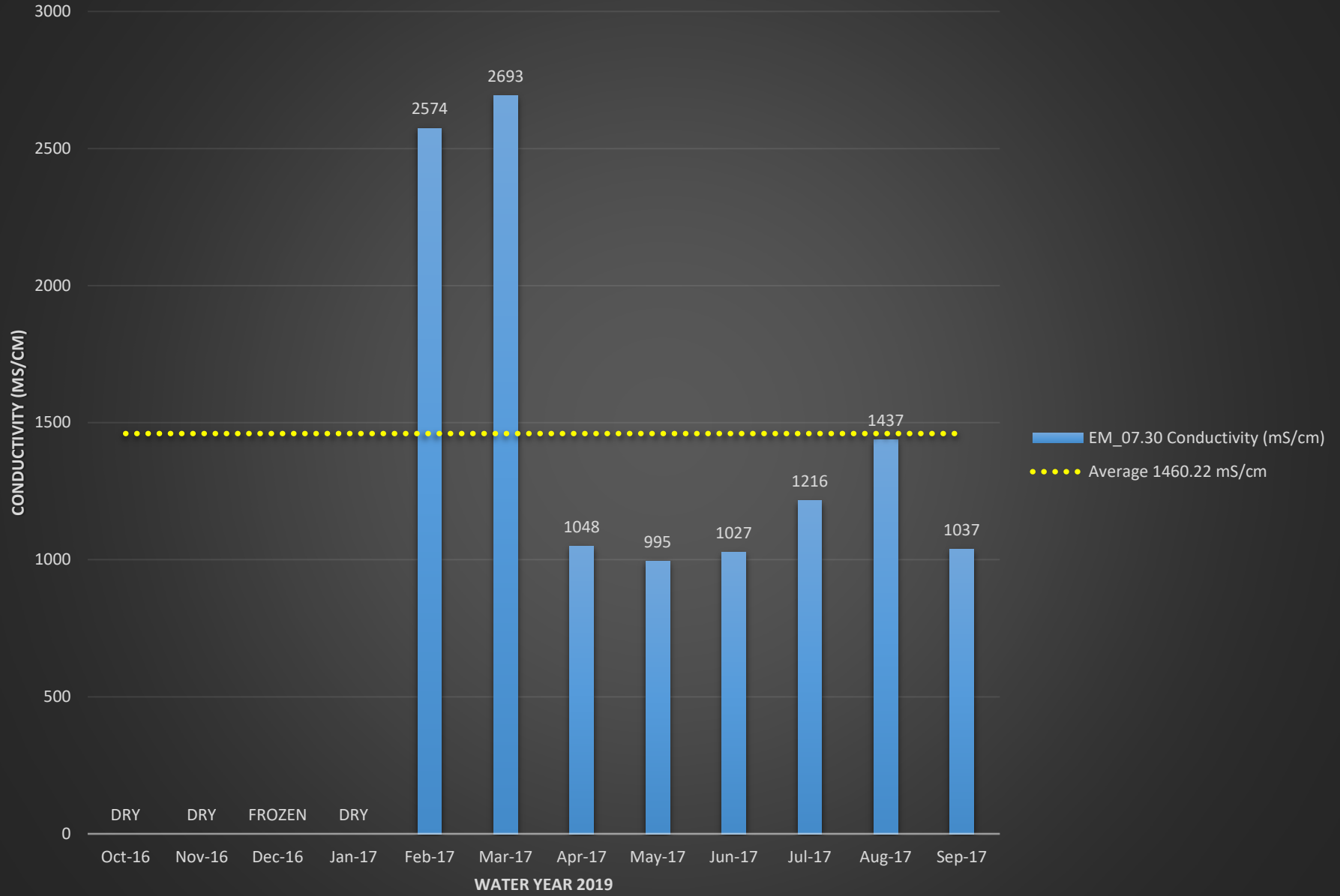
EM_07.30 Dissolved Oxygen (mg/L)



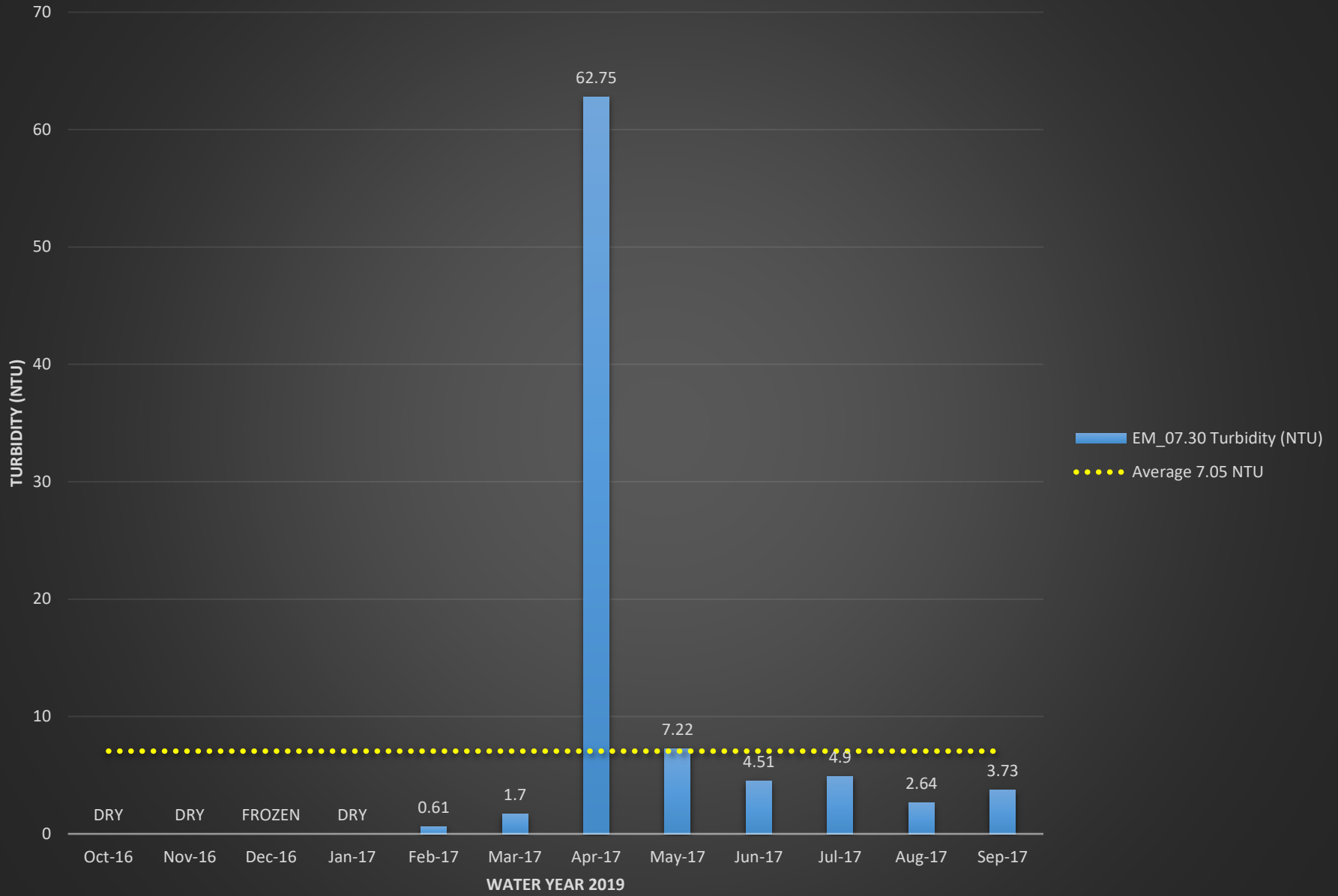
EM_07.30 pH



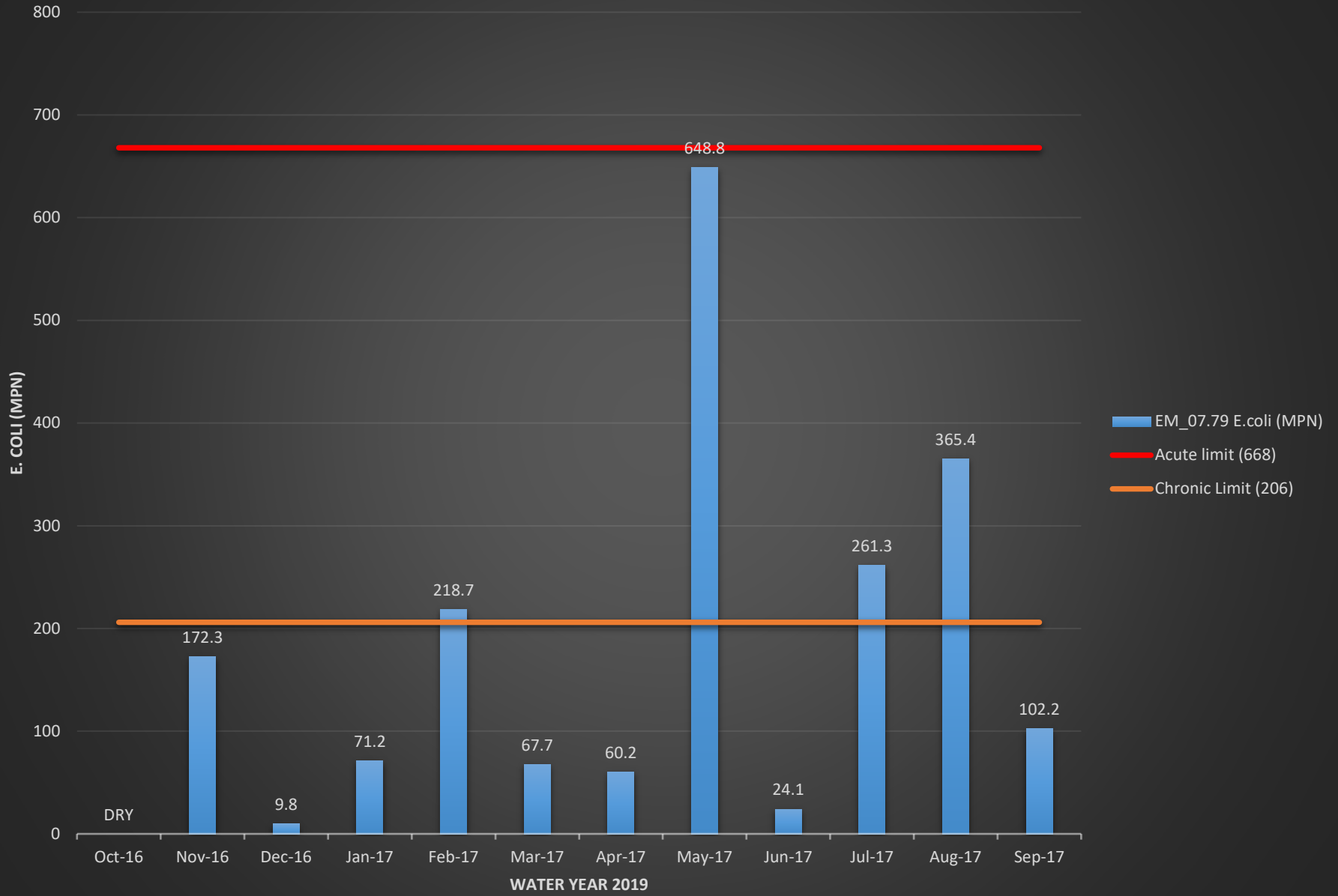
EM_07.30 Conductivity (mS/cm)



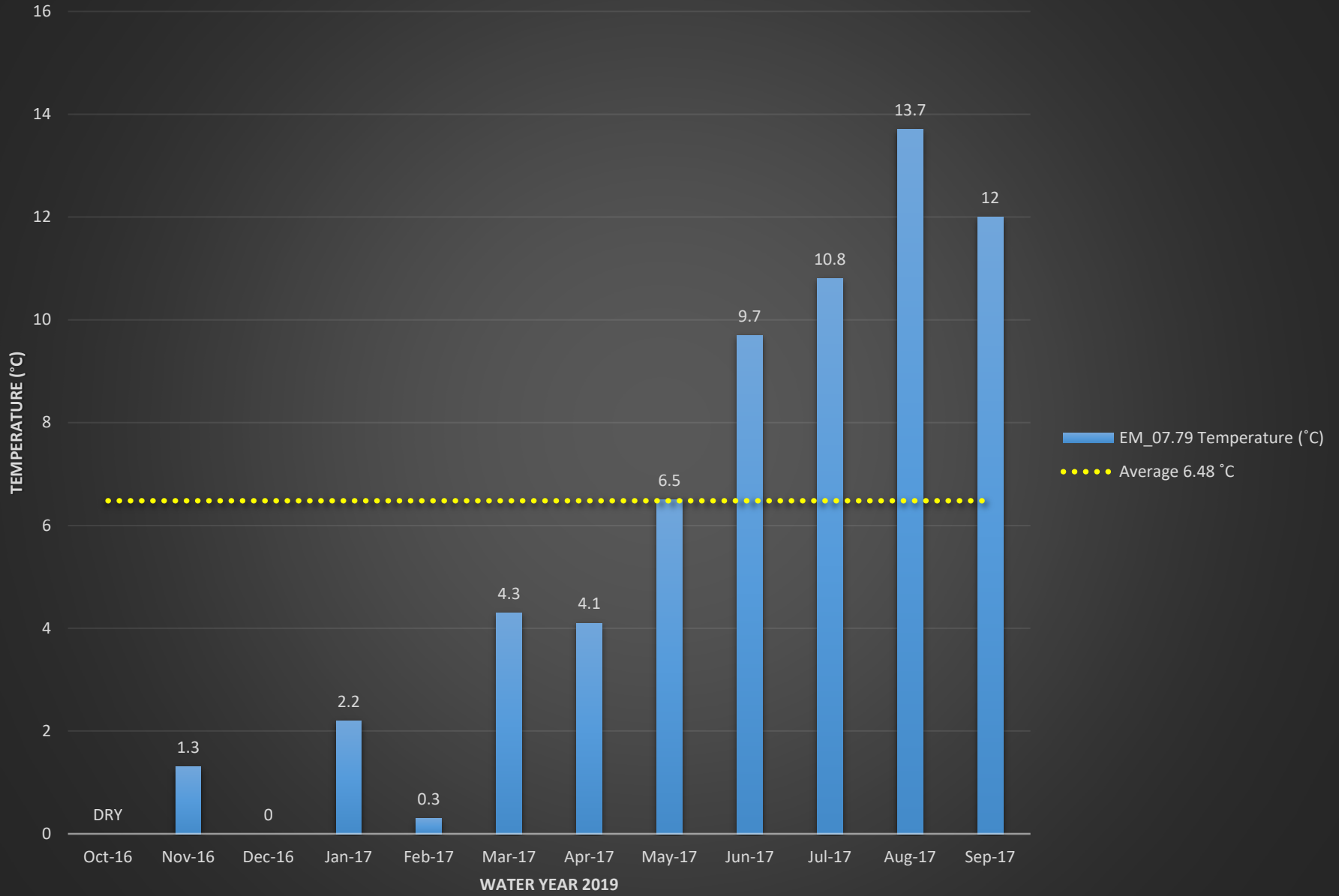
EM_07.30 Turbidity (NTU)



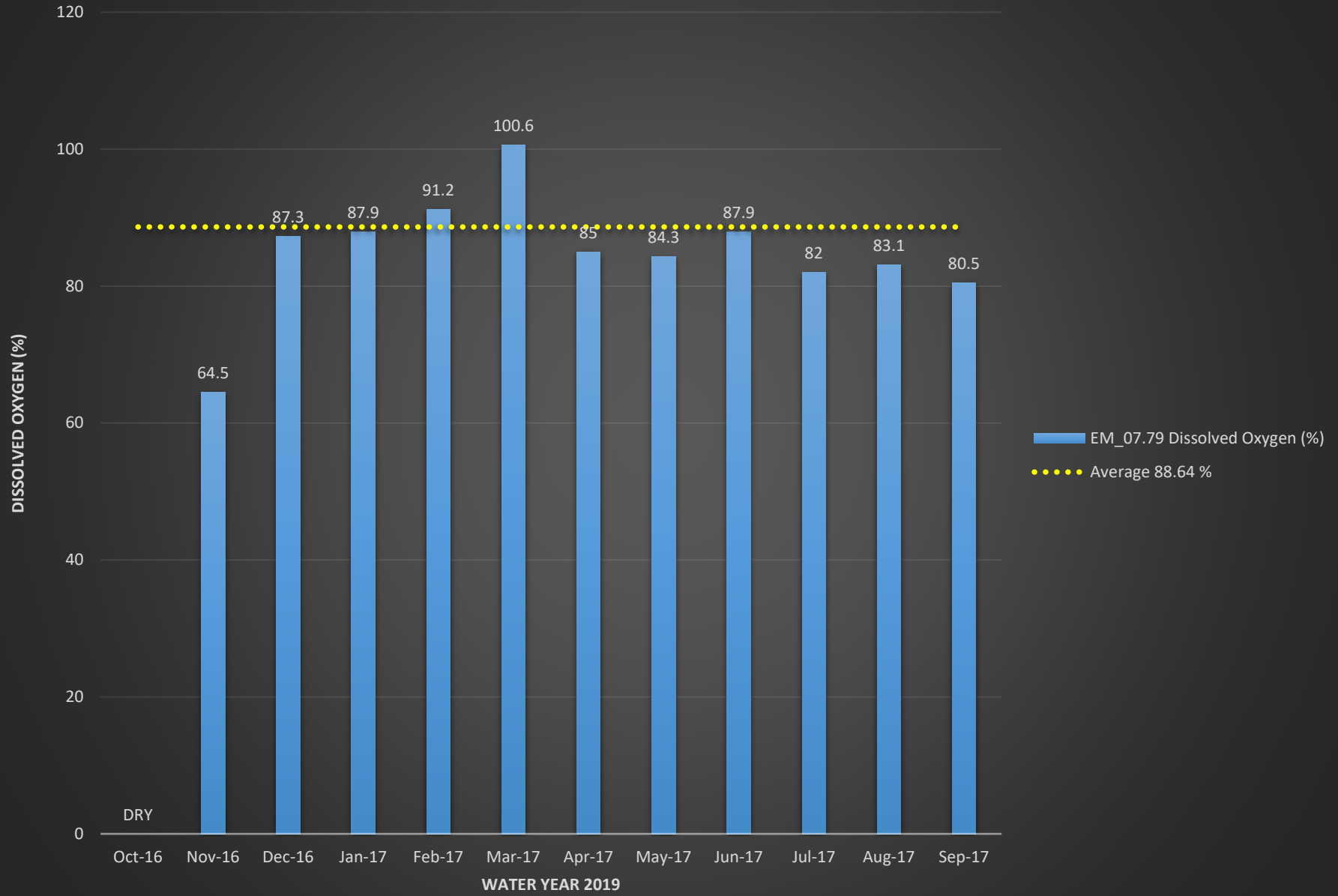
EM_07.79 E.coli (MPN)



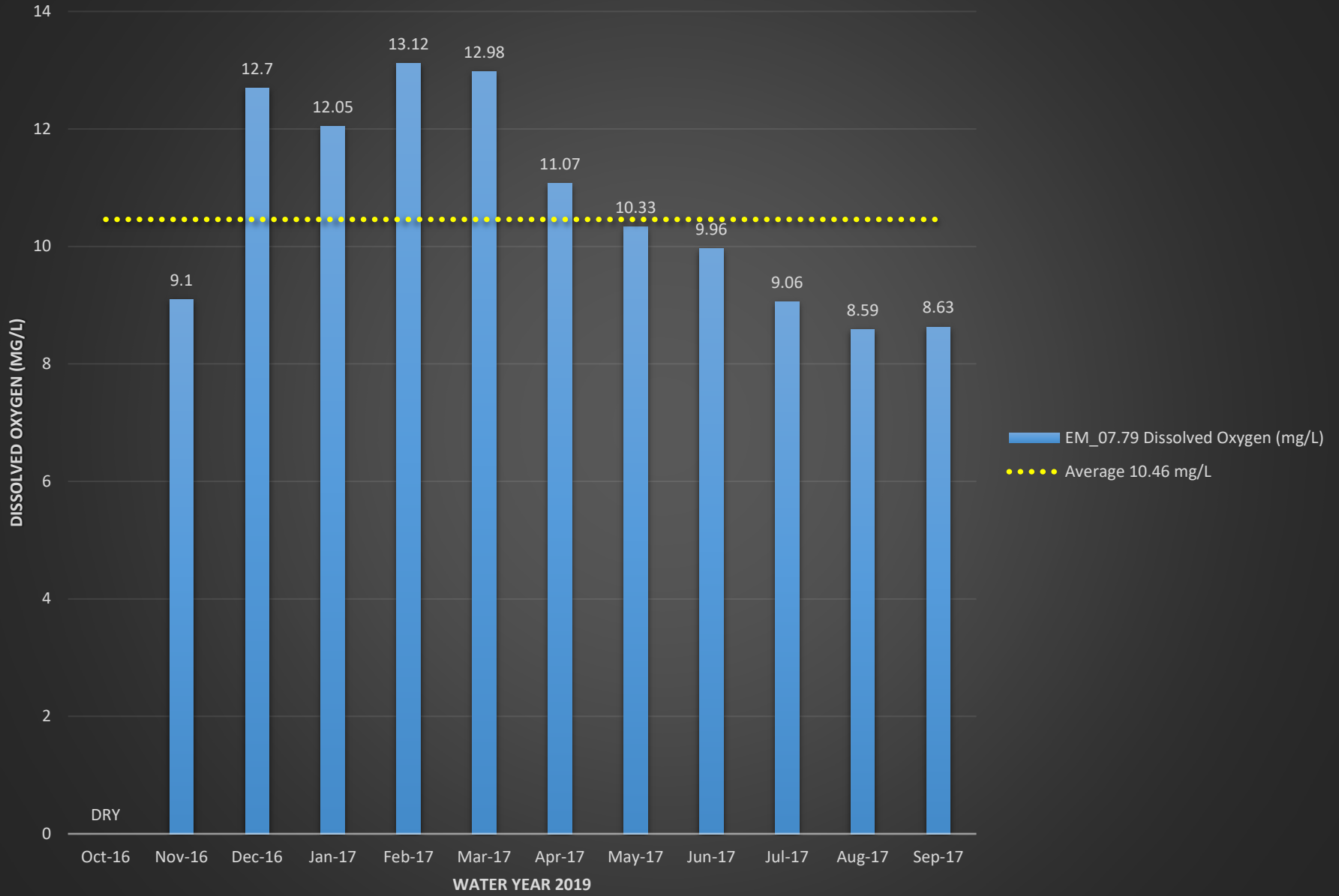
EM_07.79 Temperature (°C)



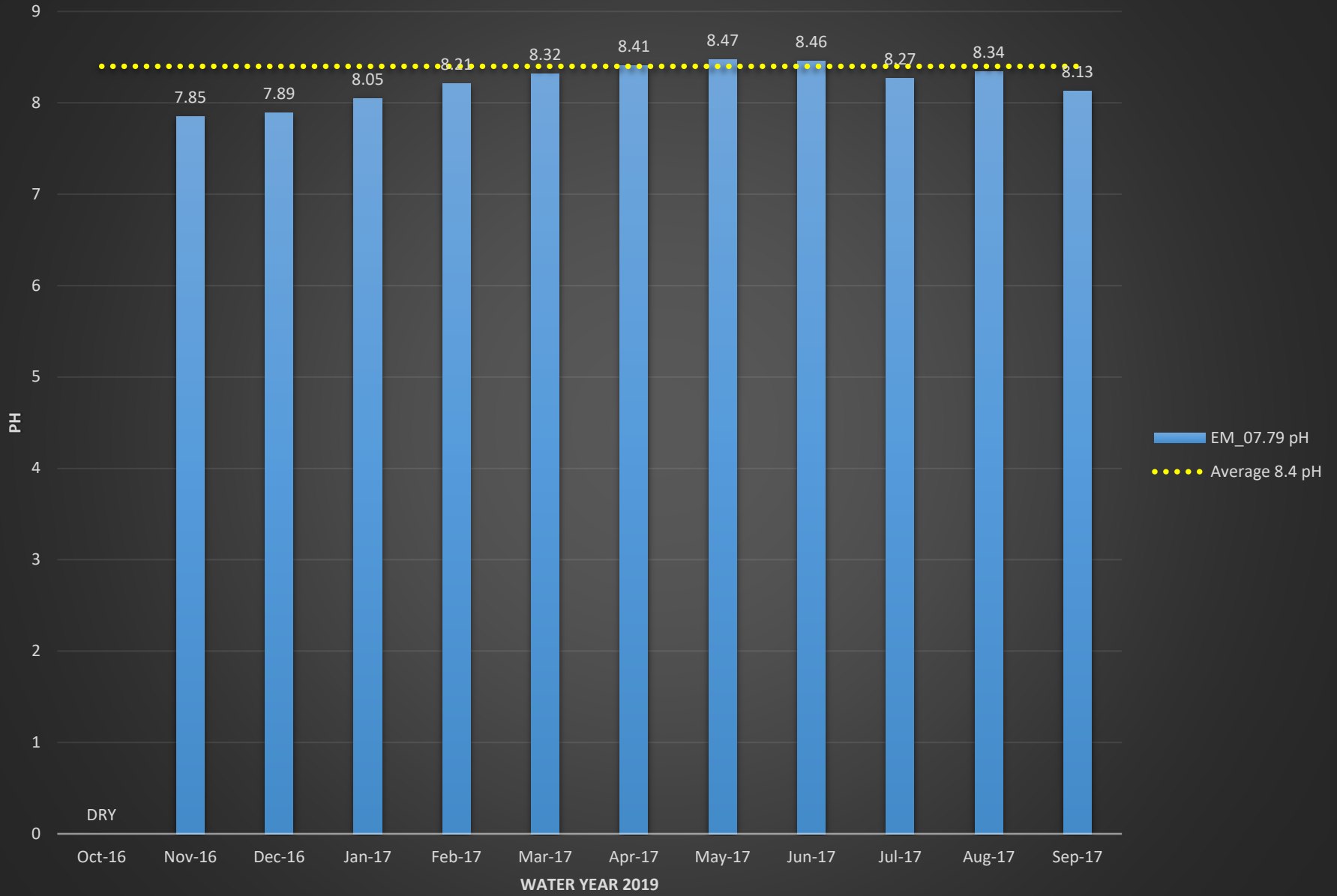
EM_07.79 Dissolved Oxygen (%)



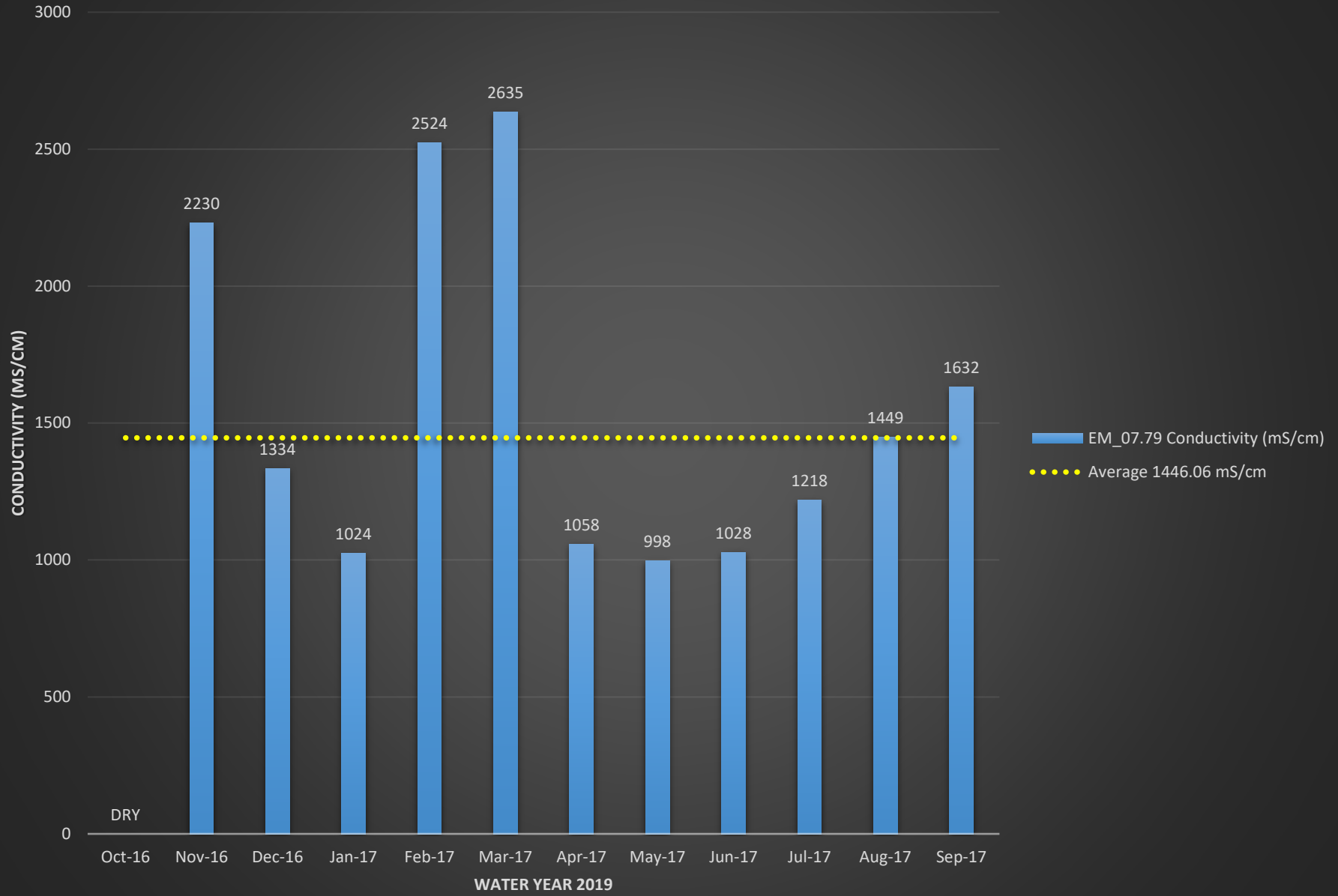
EM_07.79 Dissolved Oxygen (mg/L)



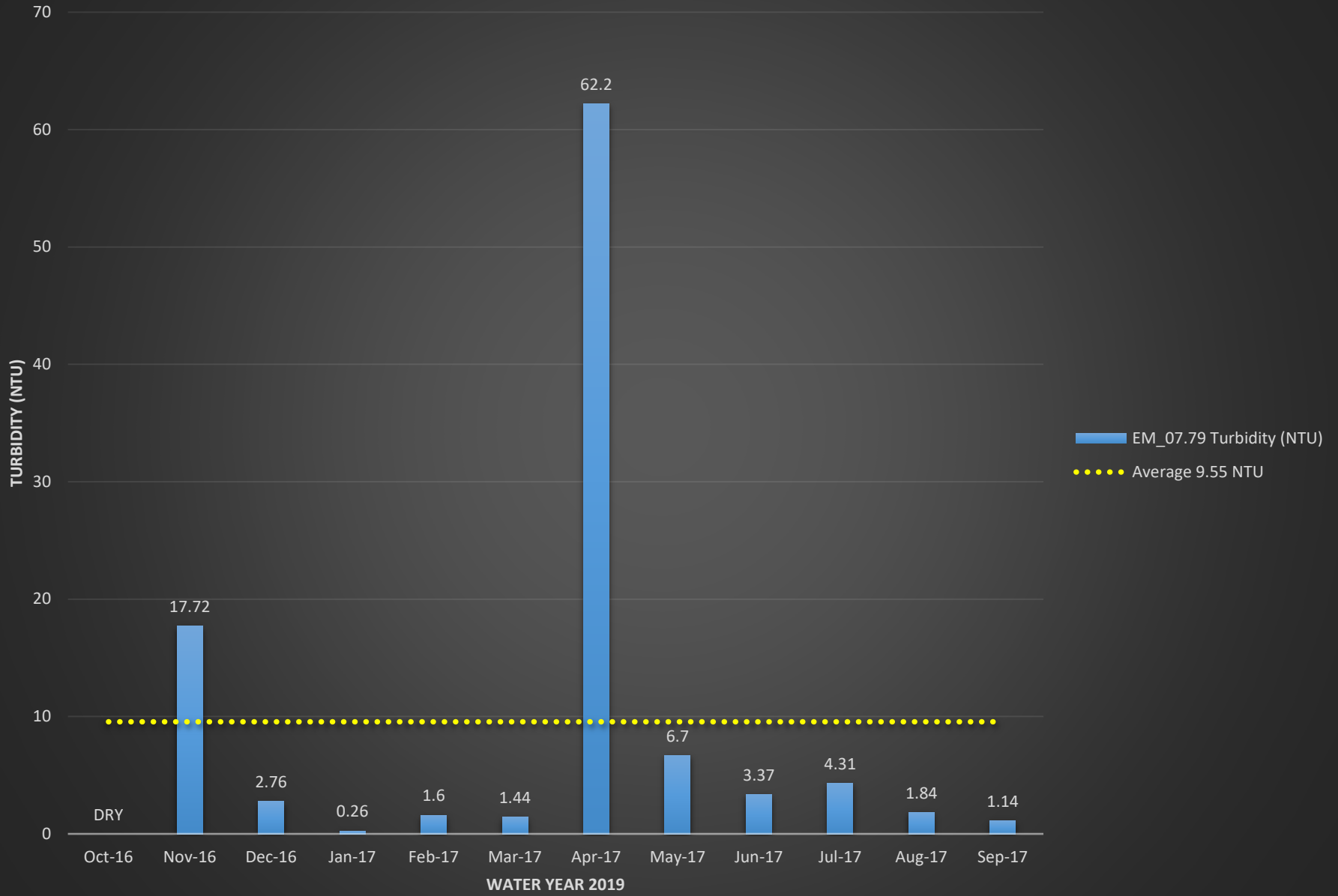
EM_07.79 pH



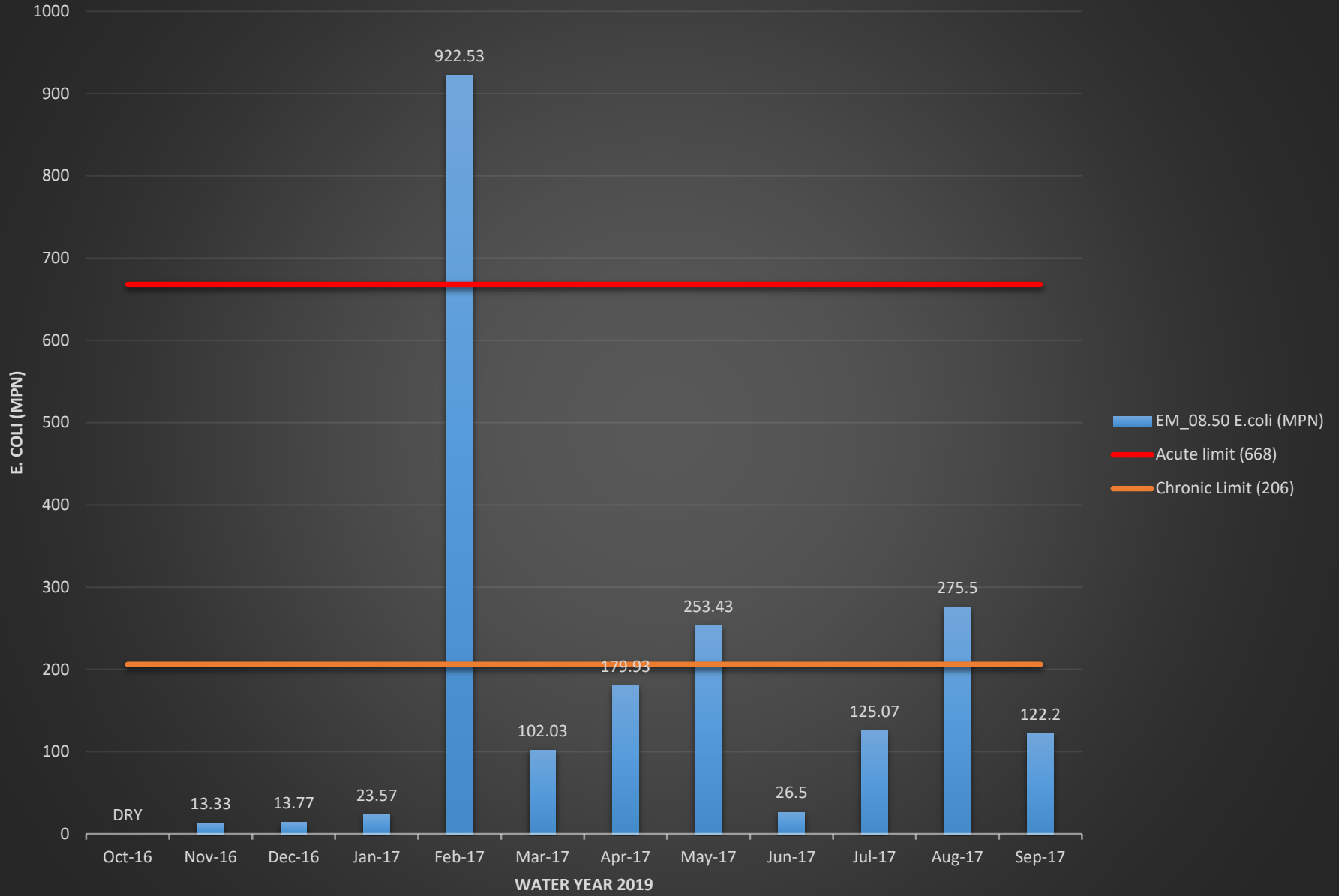
EM_07.79 Conductivity (mS/cm)



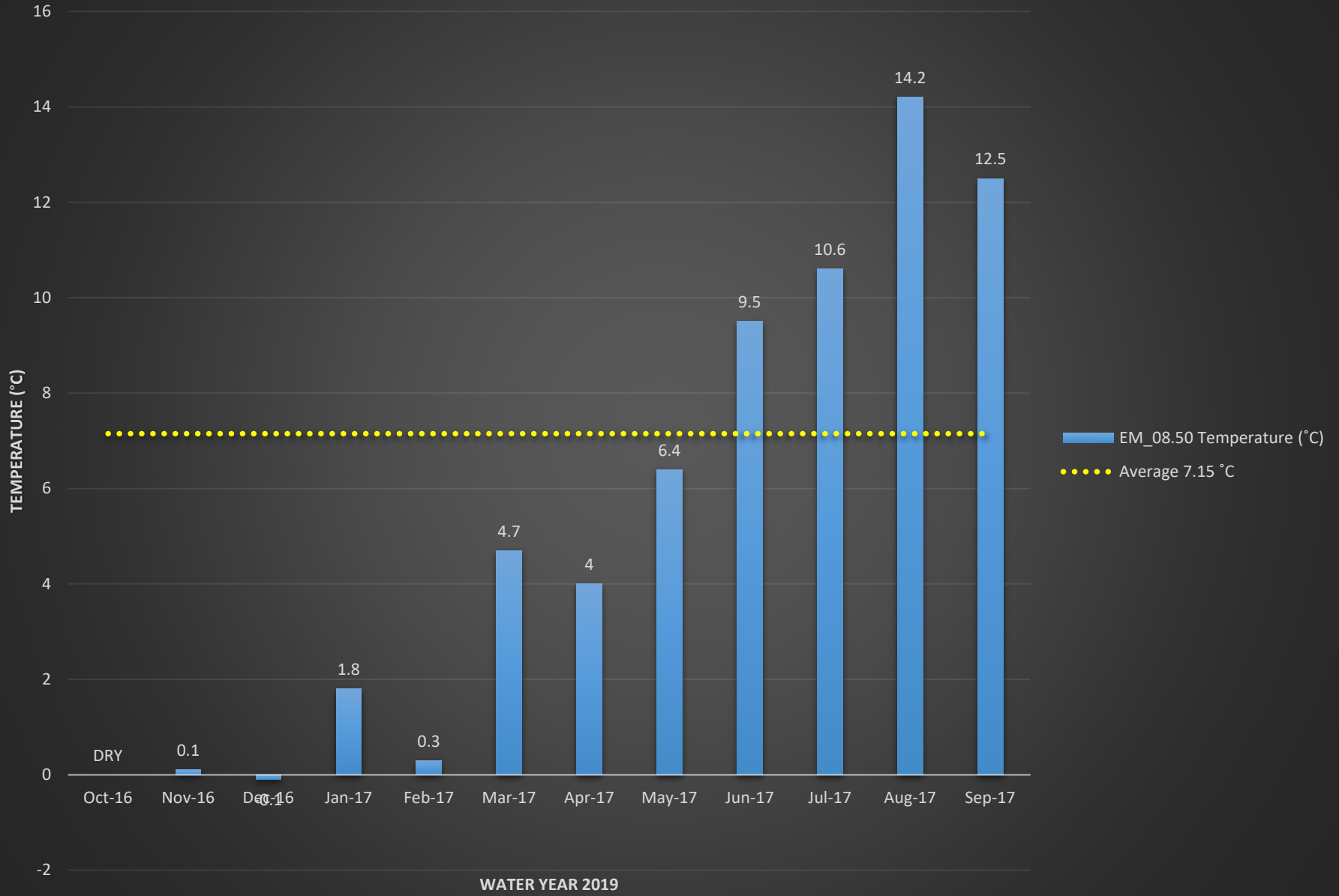
EM_07.79 Turbidity (NTU)



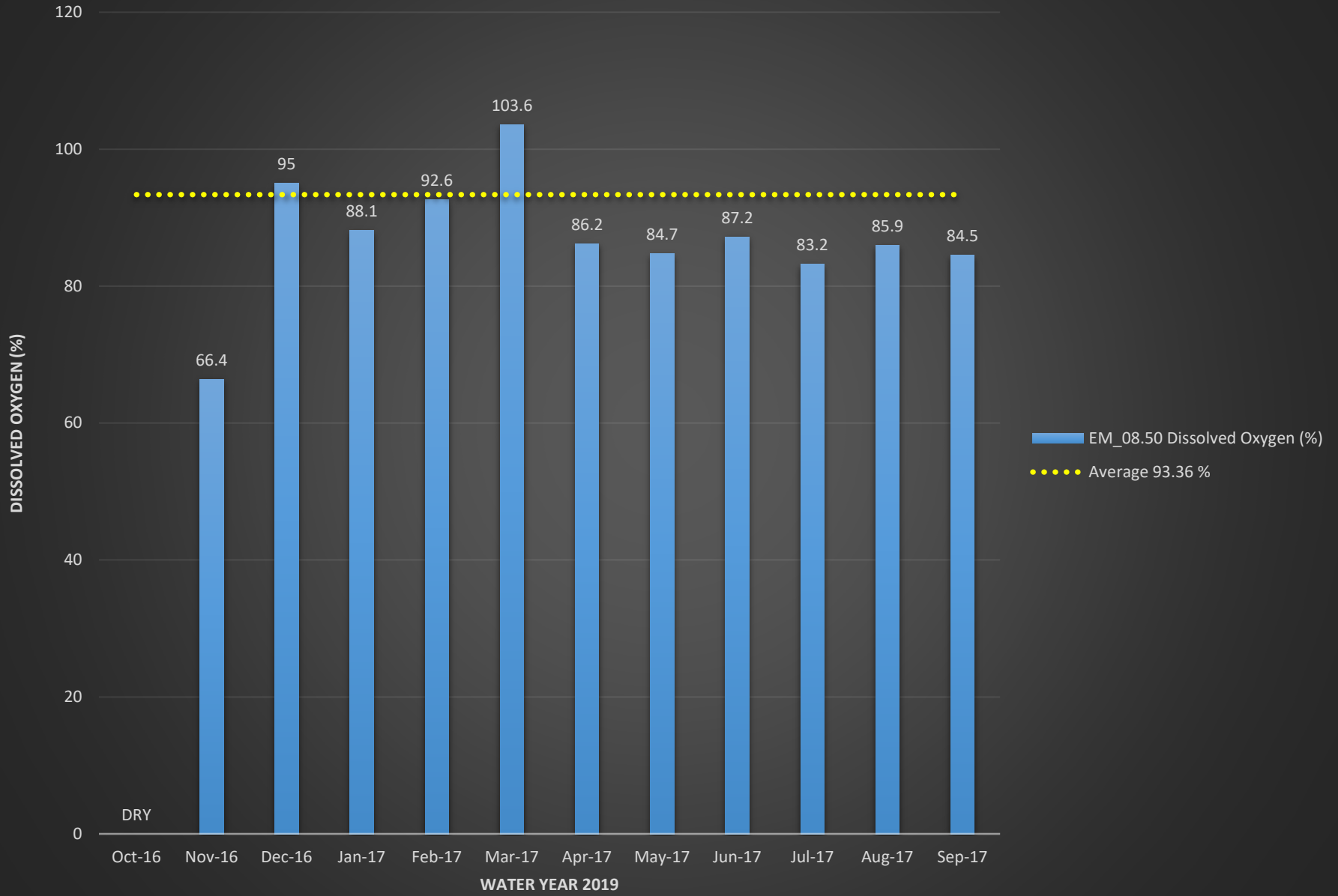
EM_08.50 E.coli (MPN)



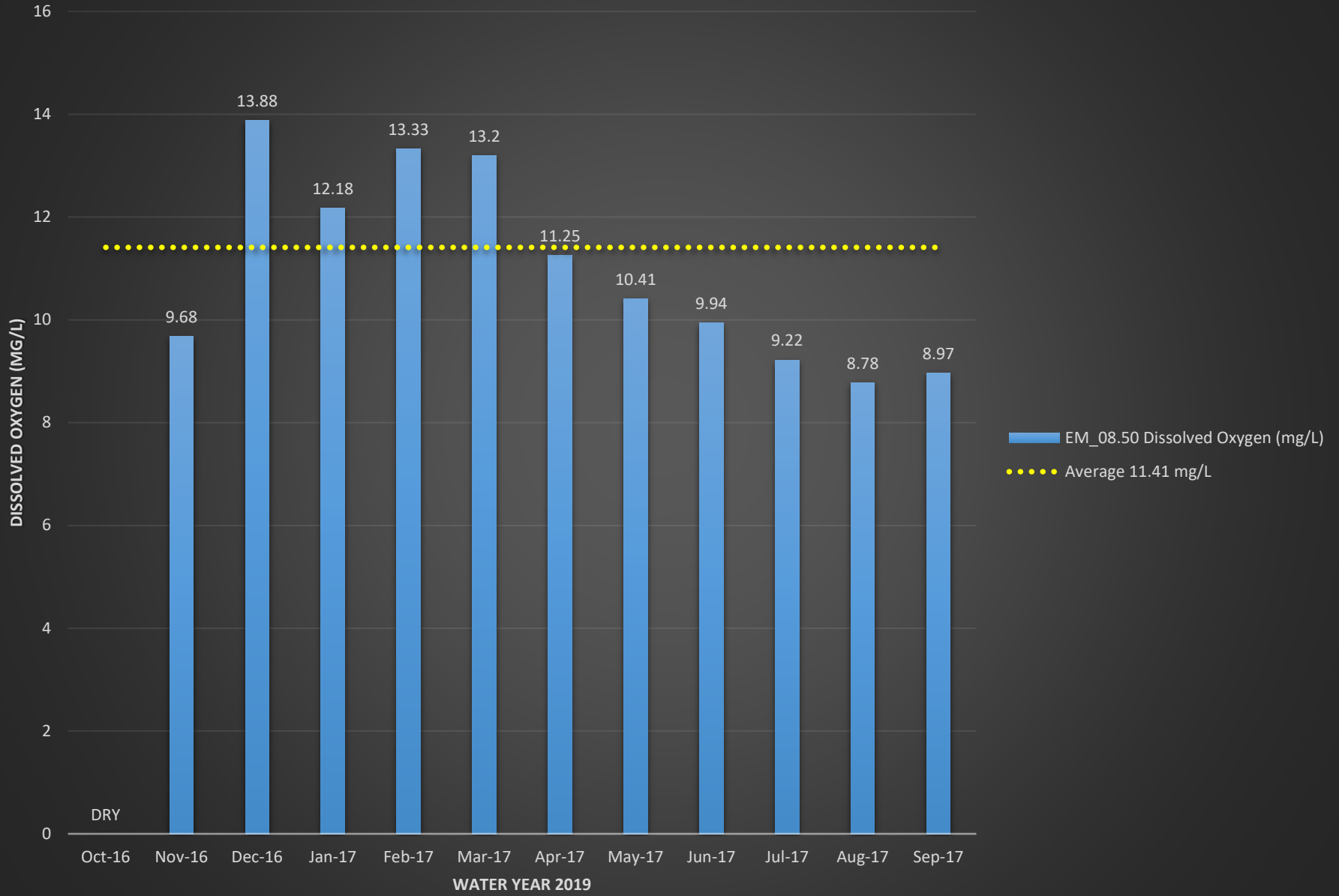
EM_08.50 Temperature (°C)



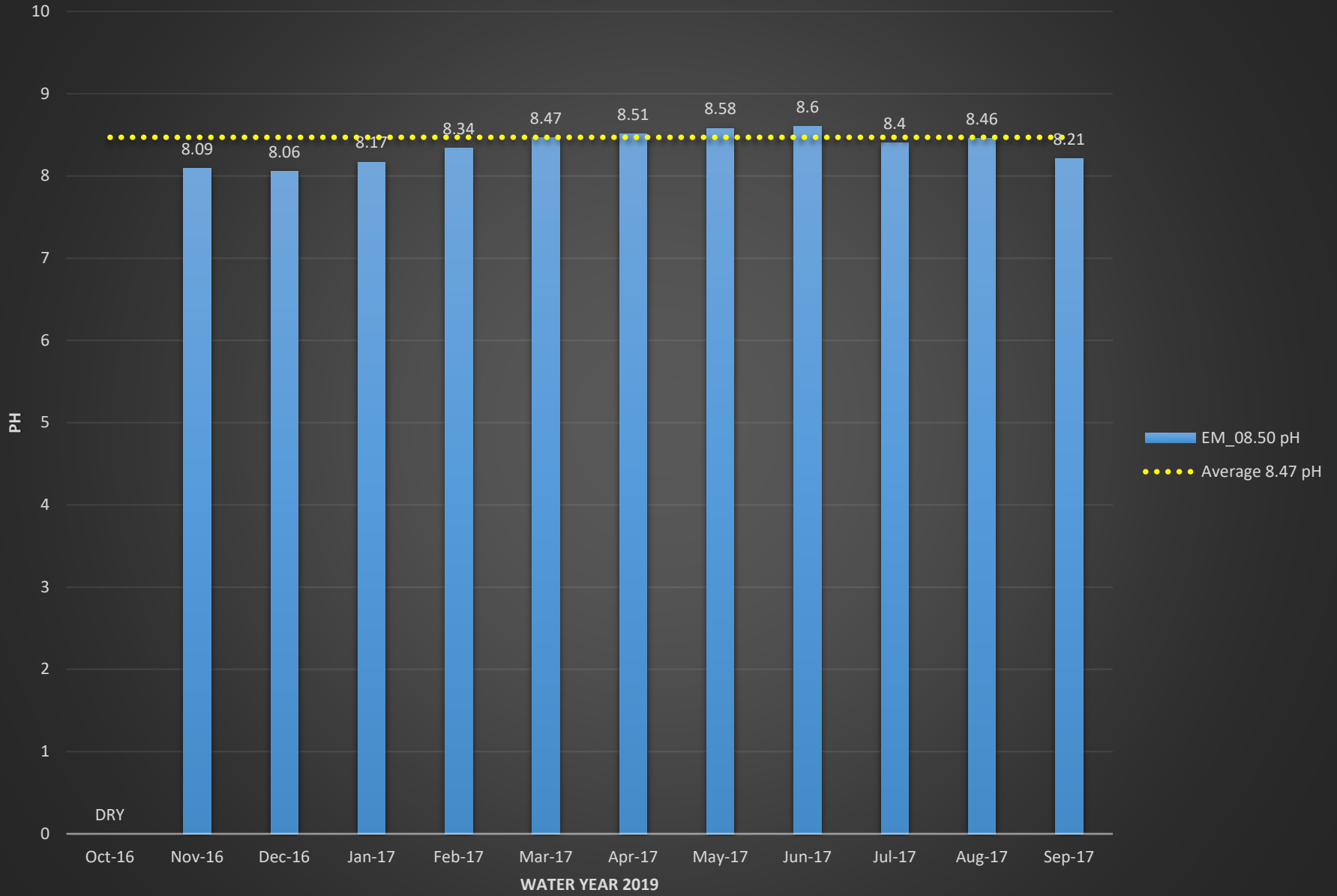
EM_08.50 Dissolved Oxygen (%)



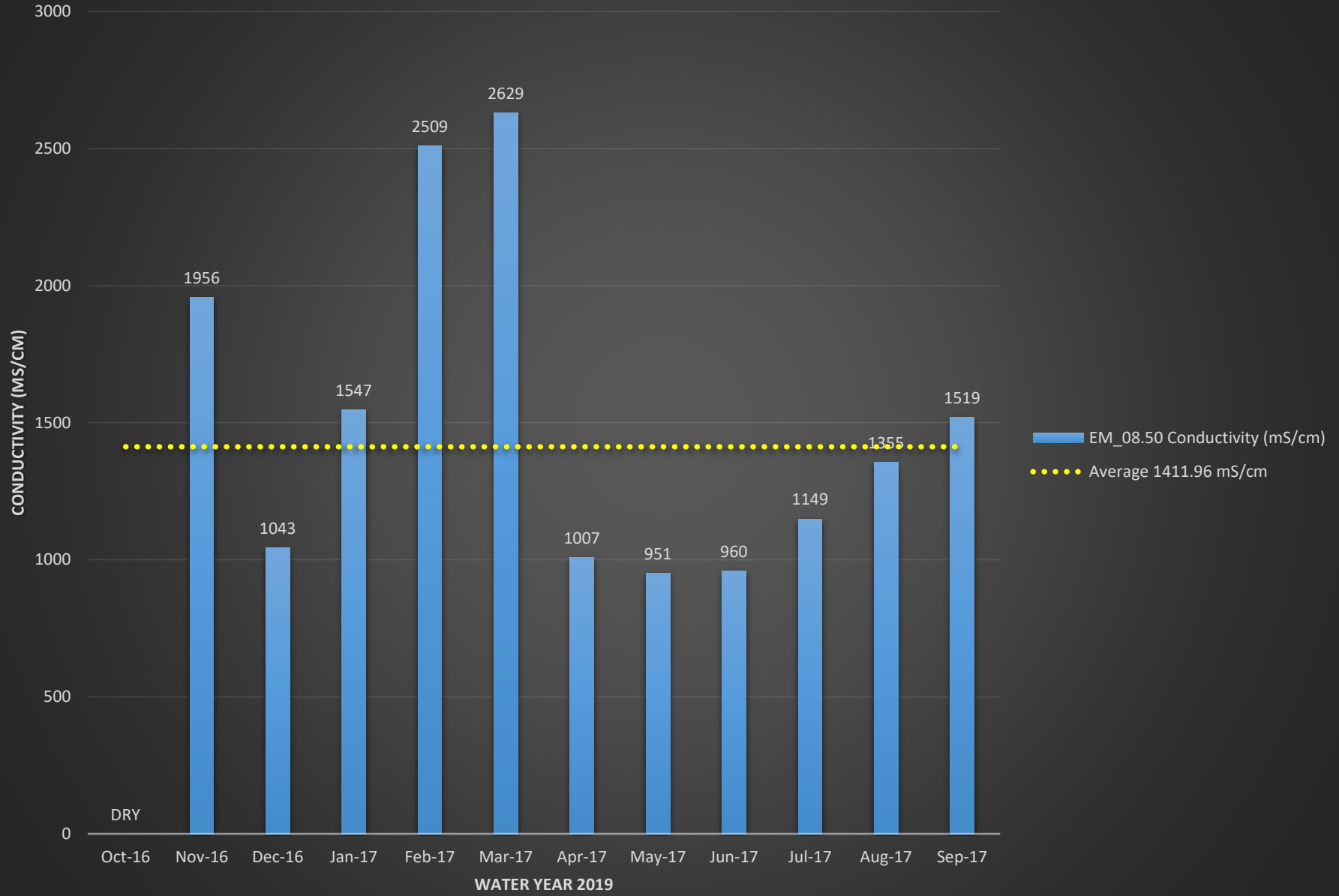
EM_08.50 Dissolved Oxygen (mg/L)



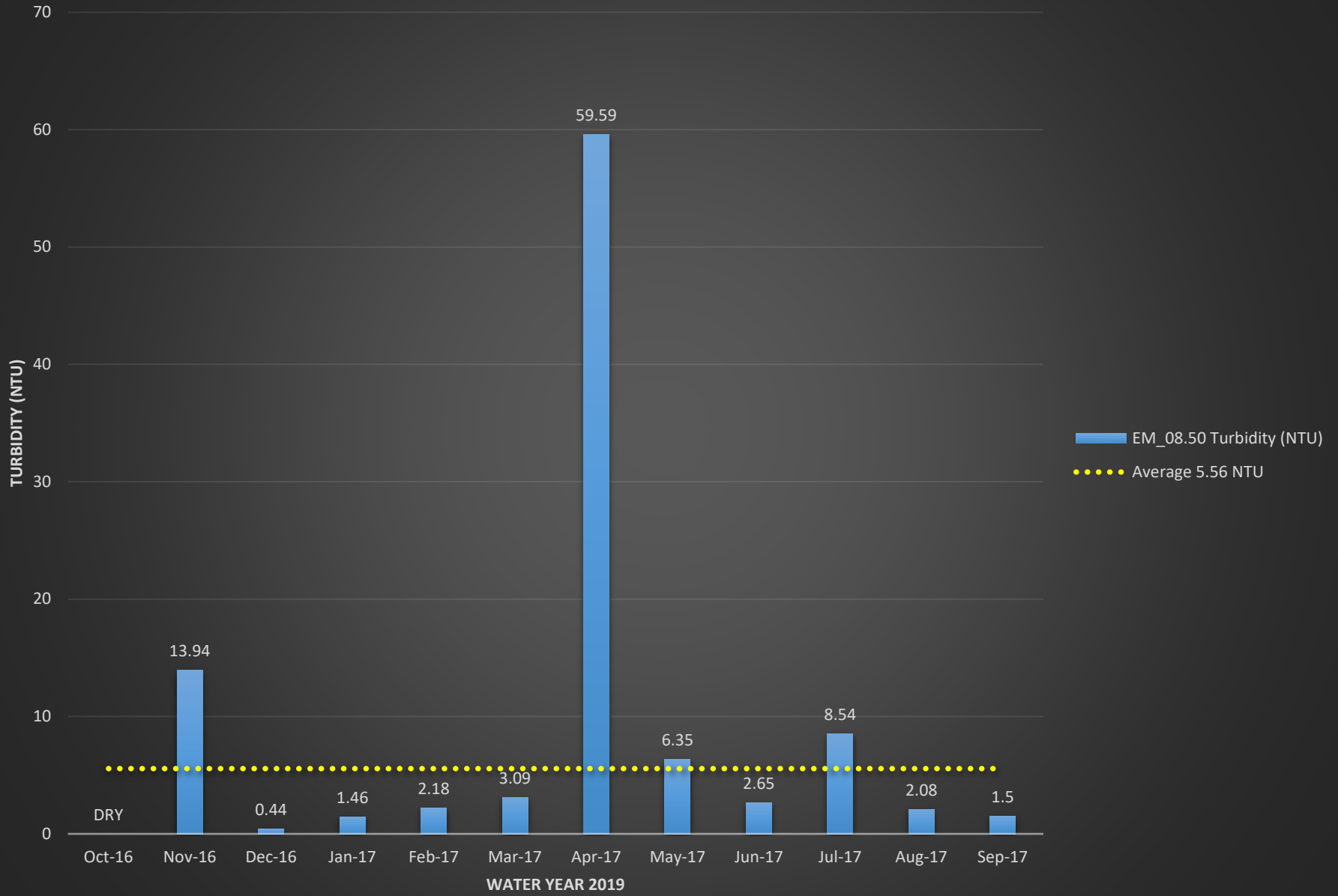
EM_08.50 pH



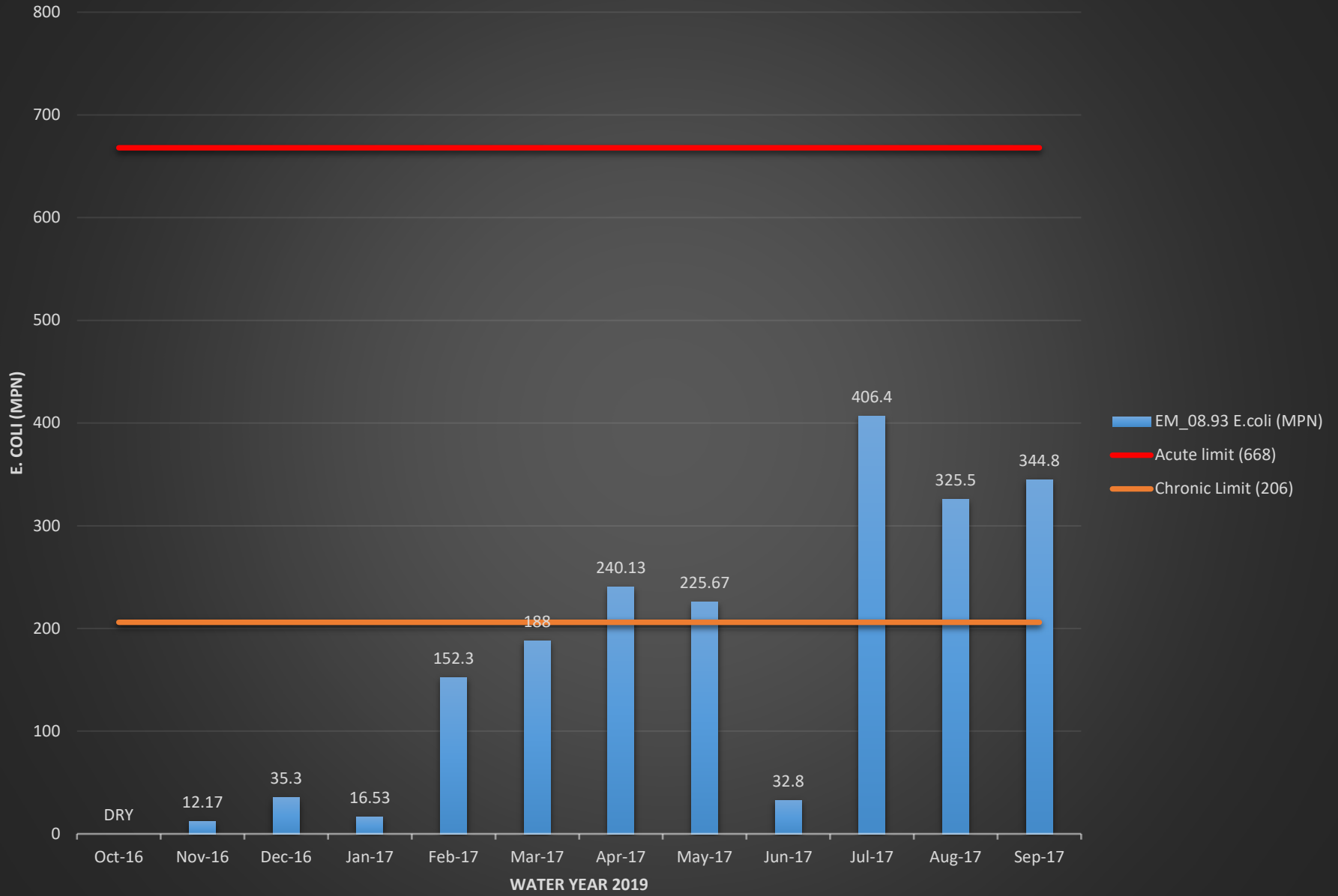
EM_08.50 Conductivity (mS/cm)



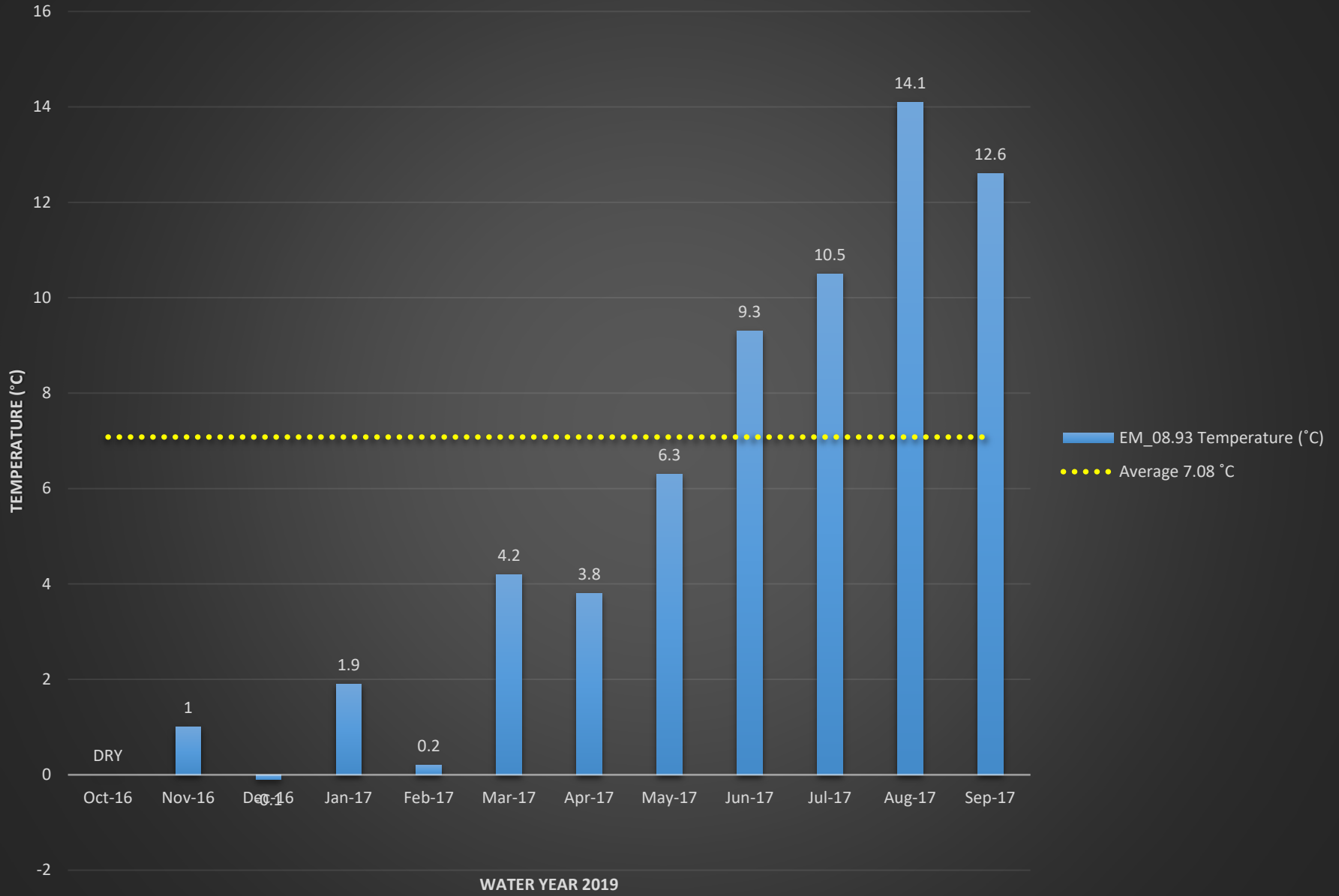
EM_08.50 Turbidity (NTU)



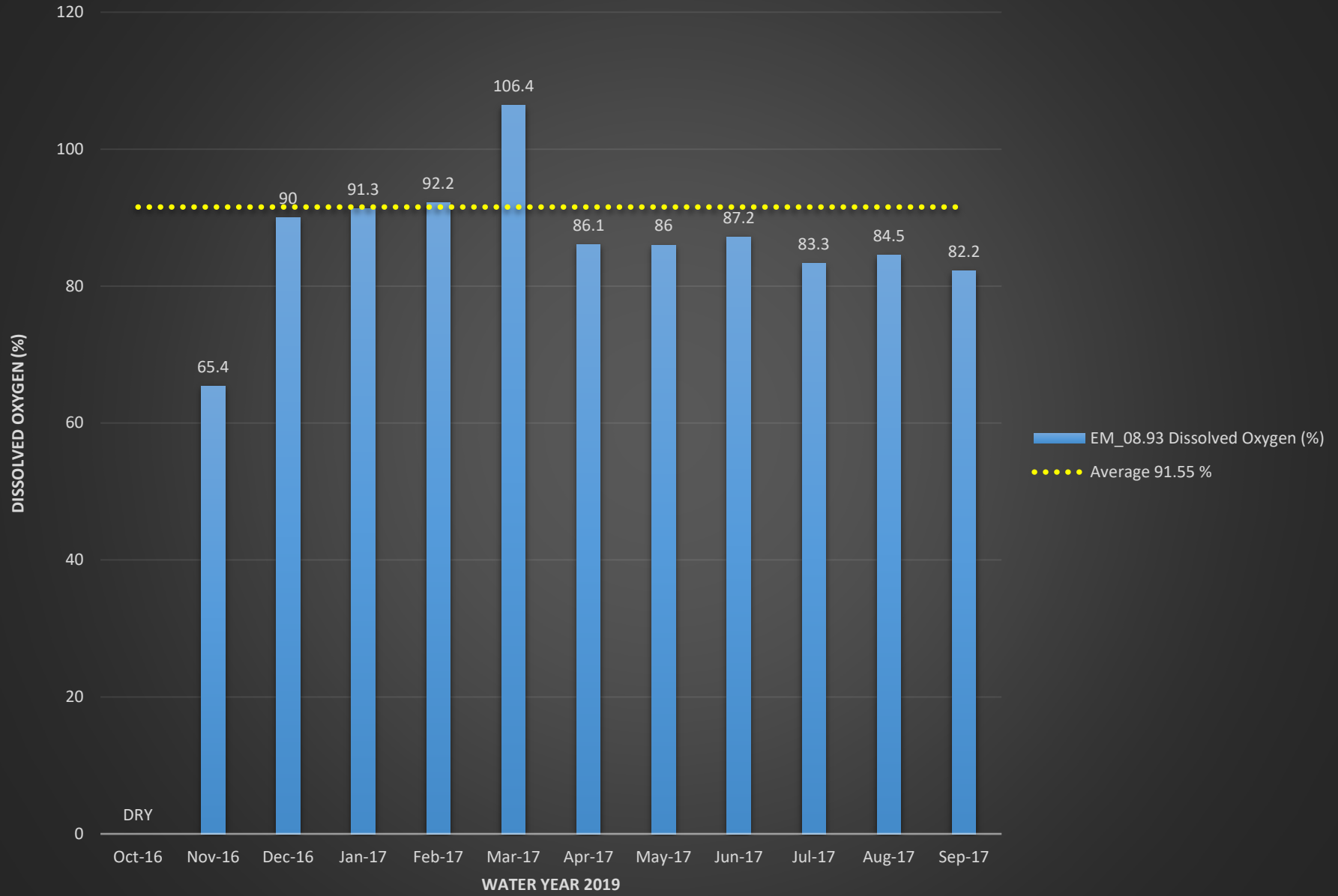
EM_08.93 E.coli (MPN)



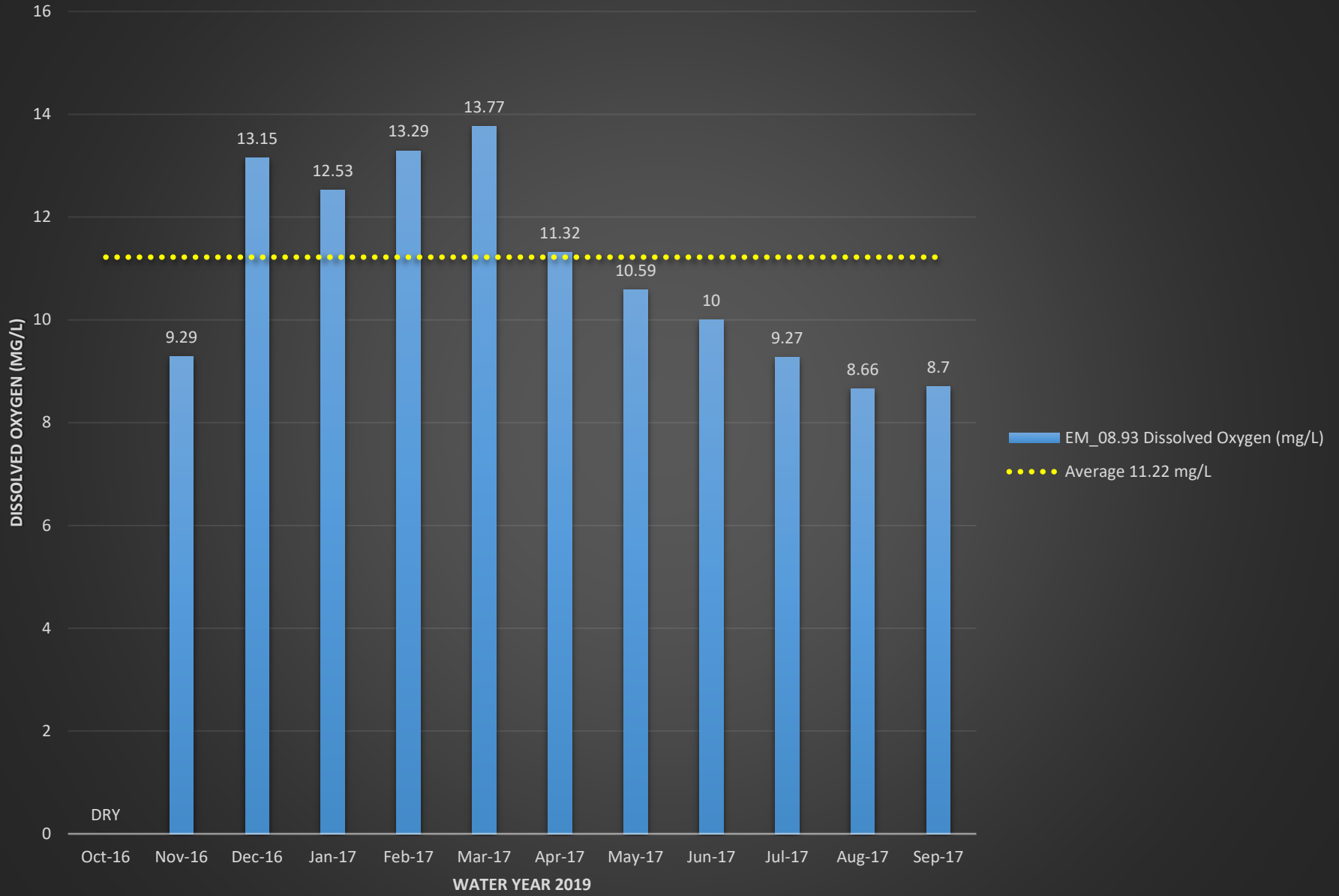
EM_08.93 Temperature (°C)



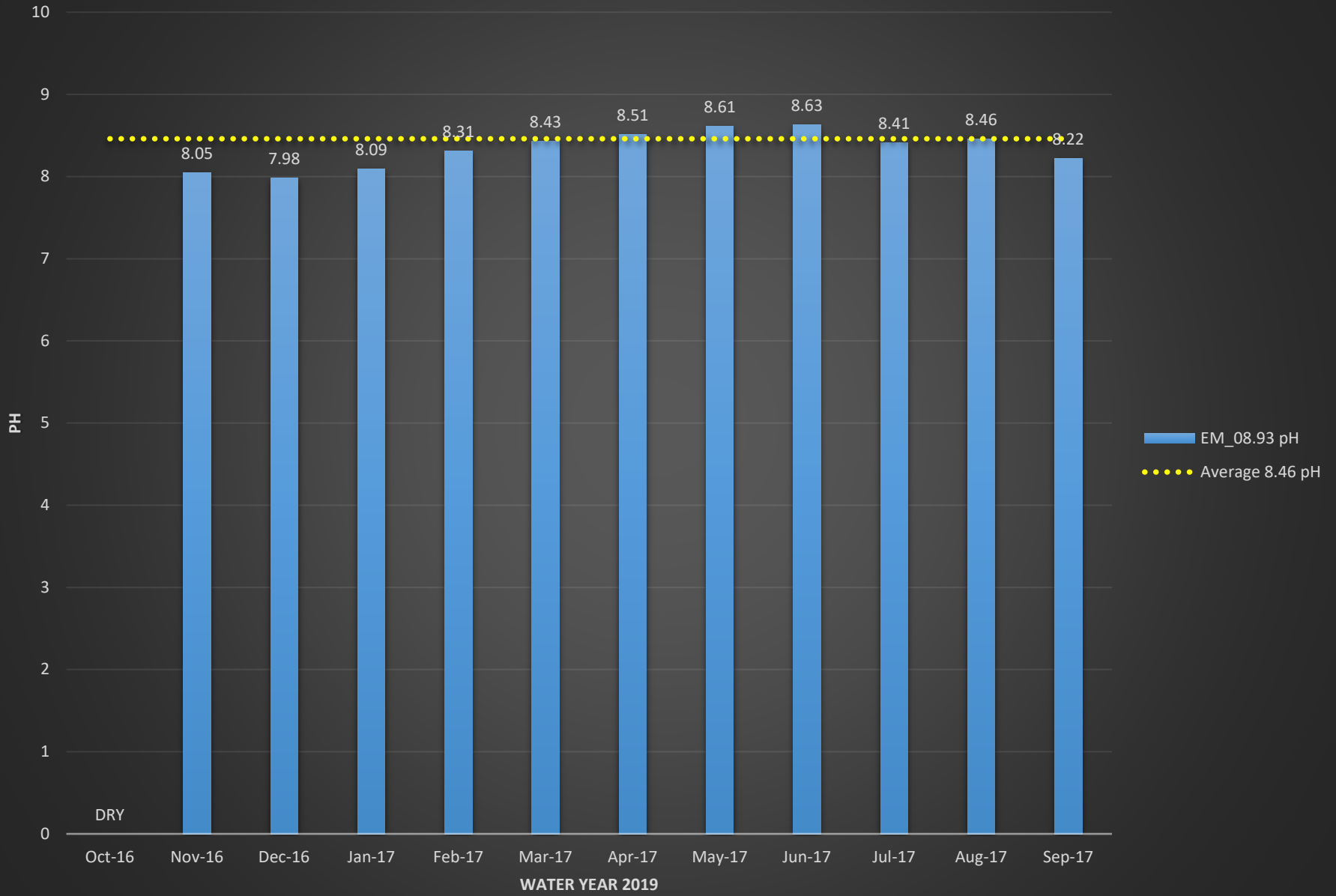
EM_08.93 Dissolved Oxygen (%)



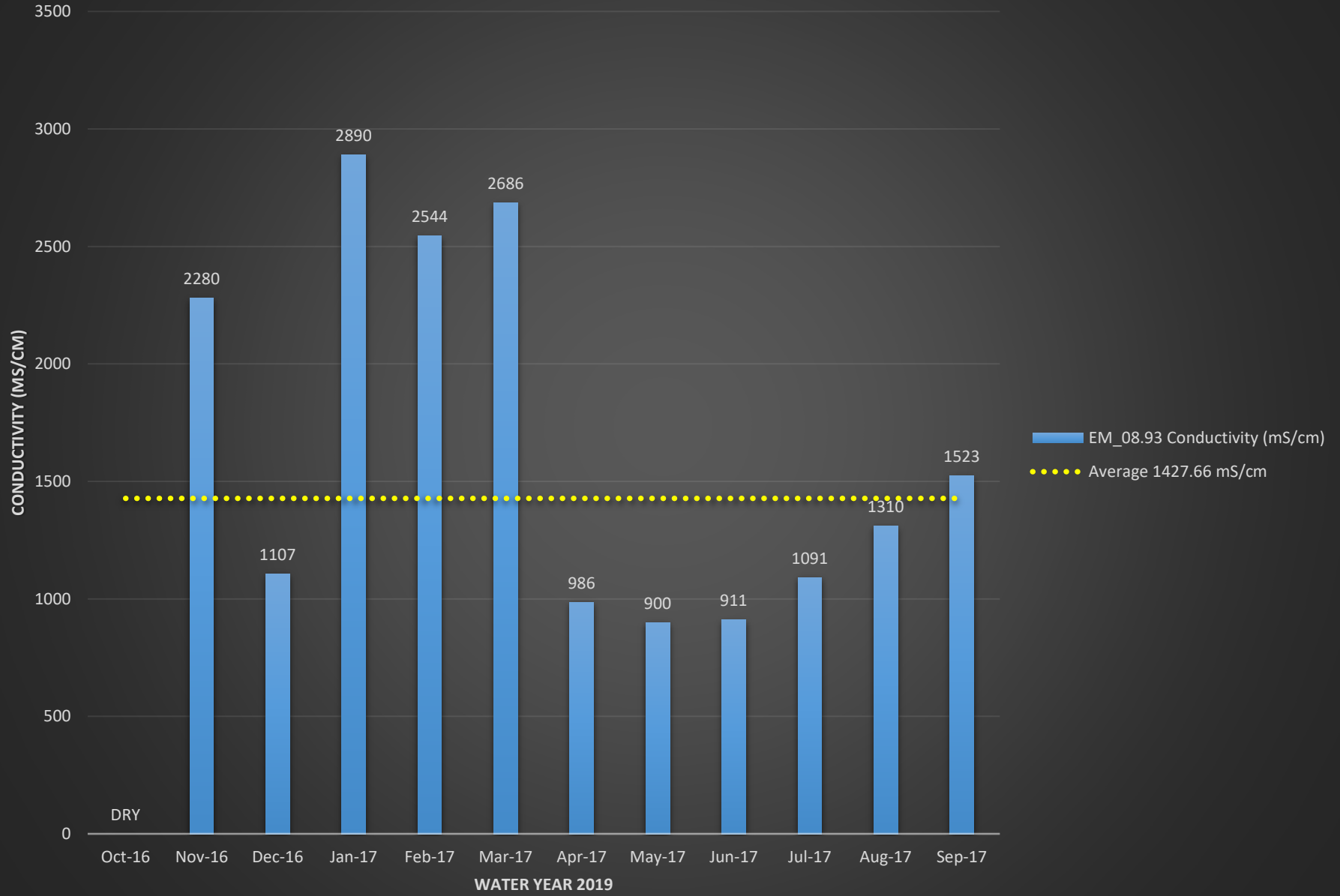
EM_08.93 Dissolved Oxygen (mg/L)



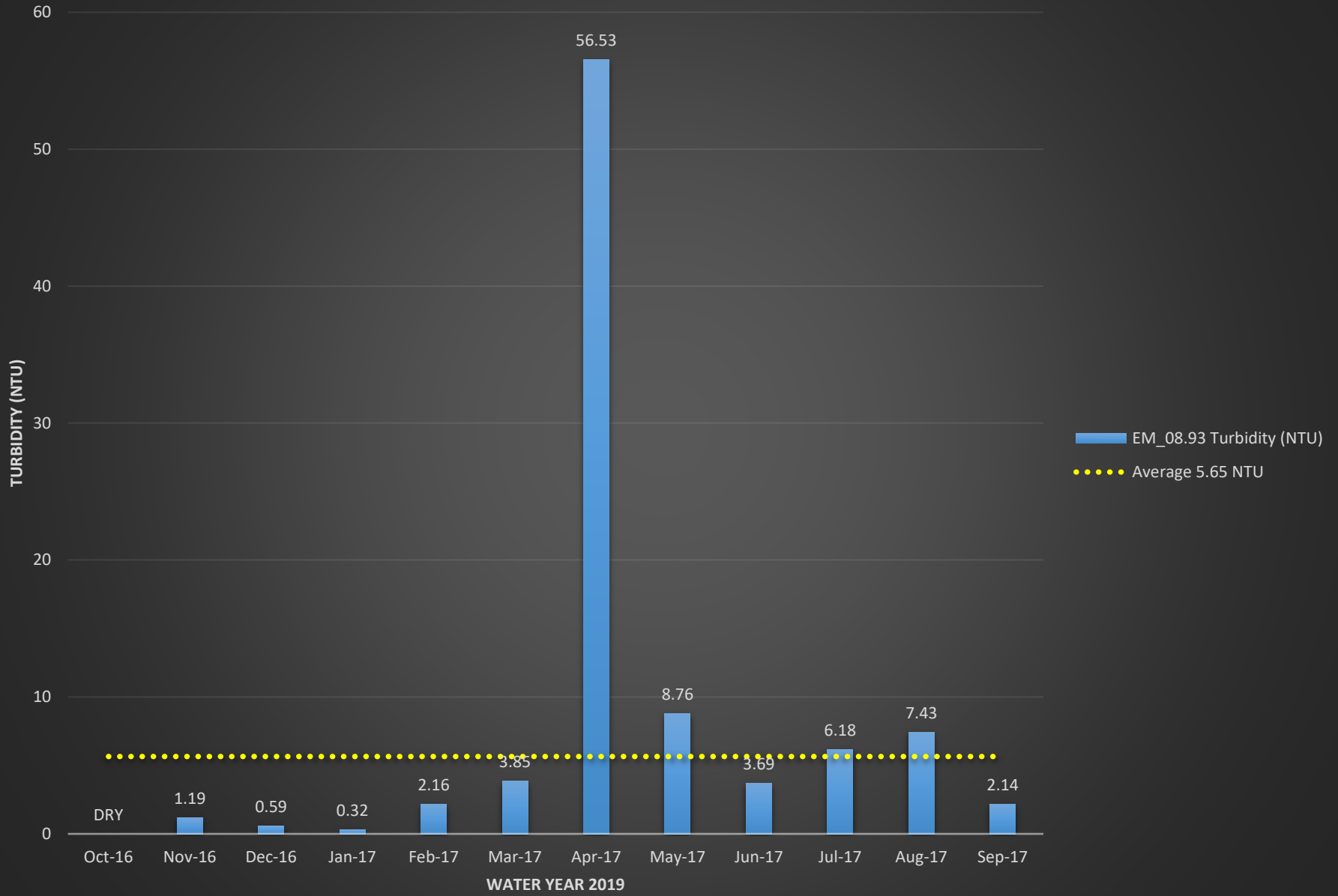
EM_08.93 pH



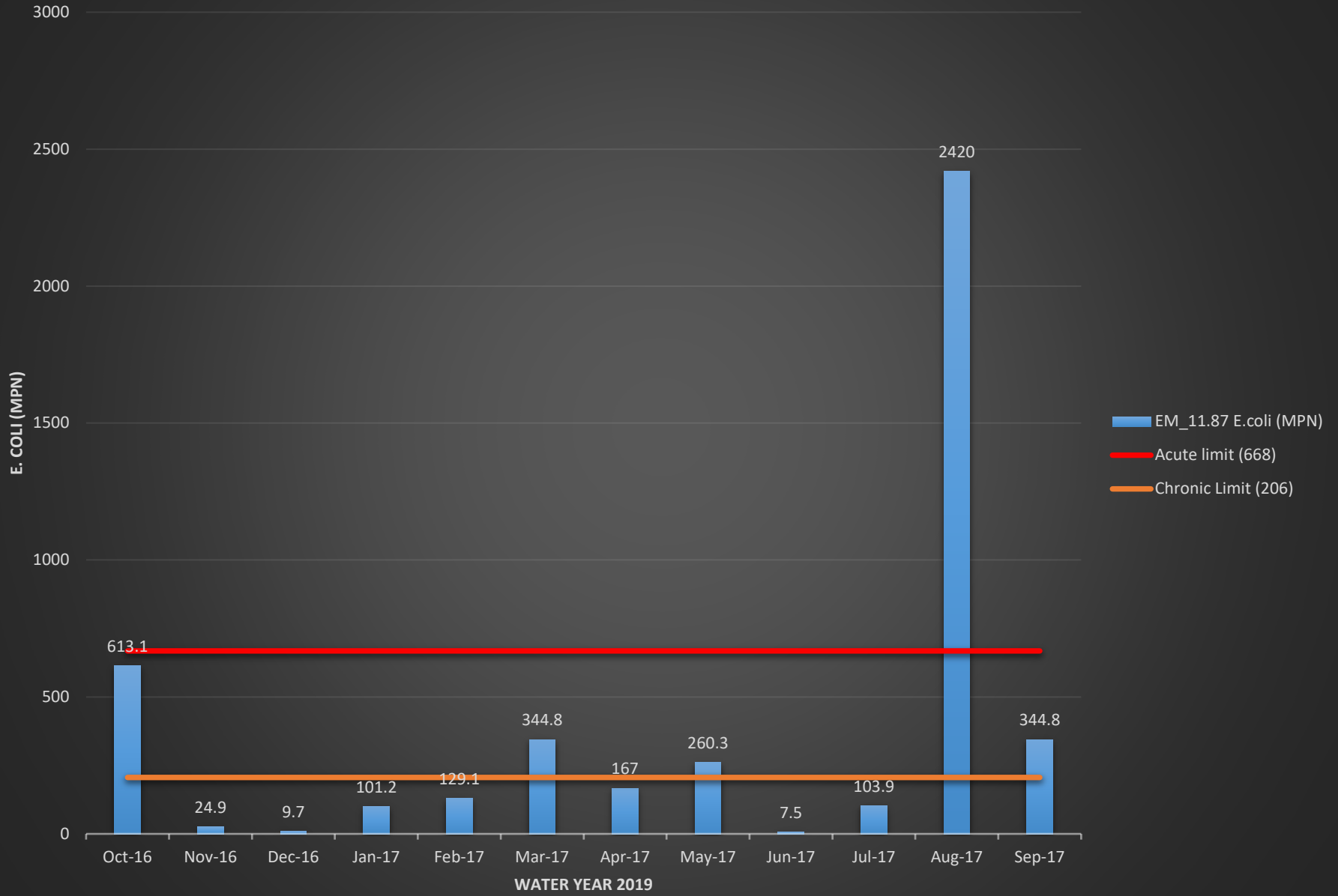
EM_08.93 Conductivity (mS/cm)



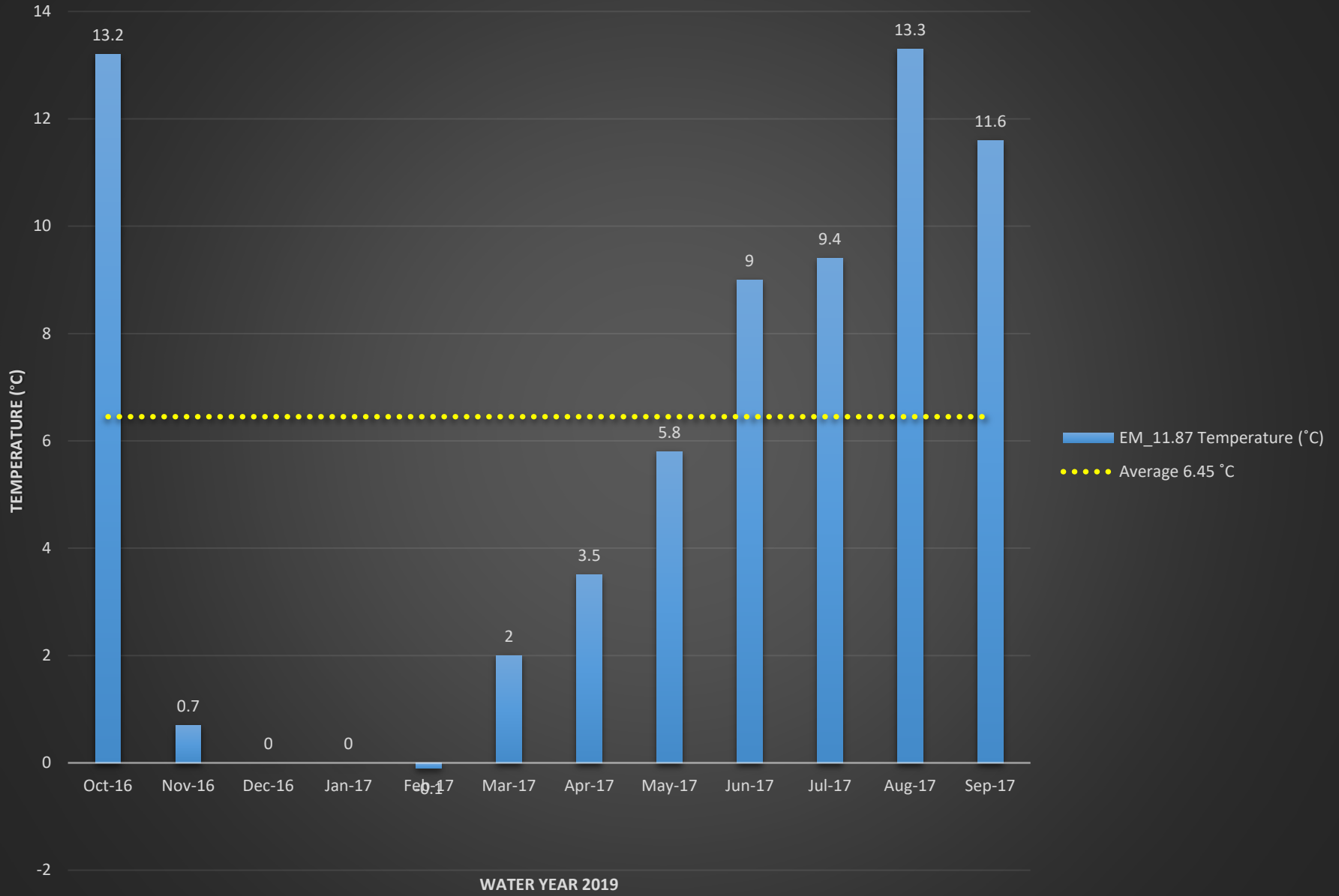
EM_08.93 Turbidity (NTU)



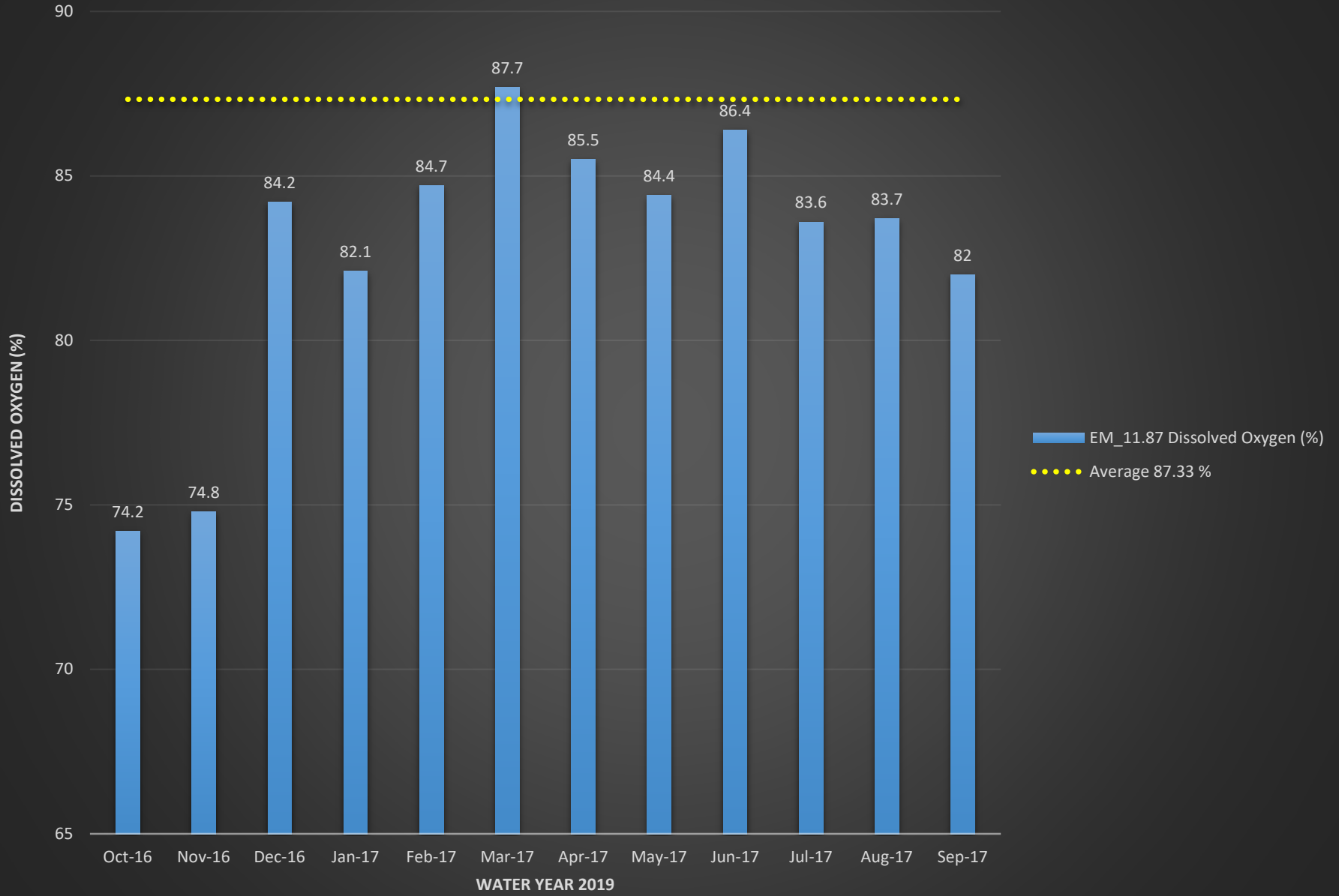
EM_11.87 E.coli (MPN)



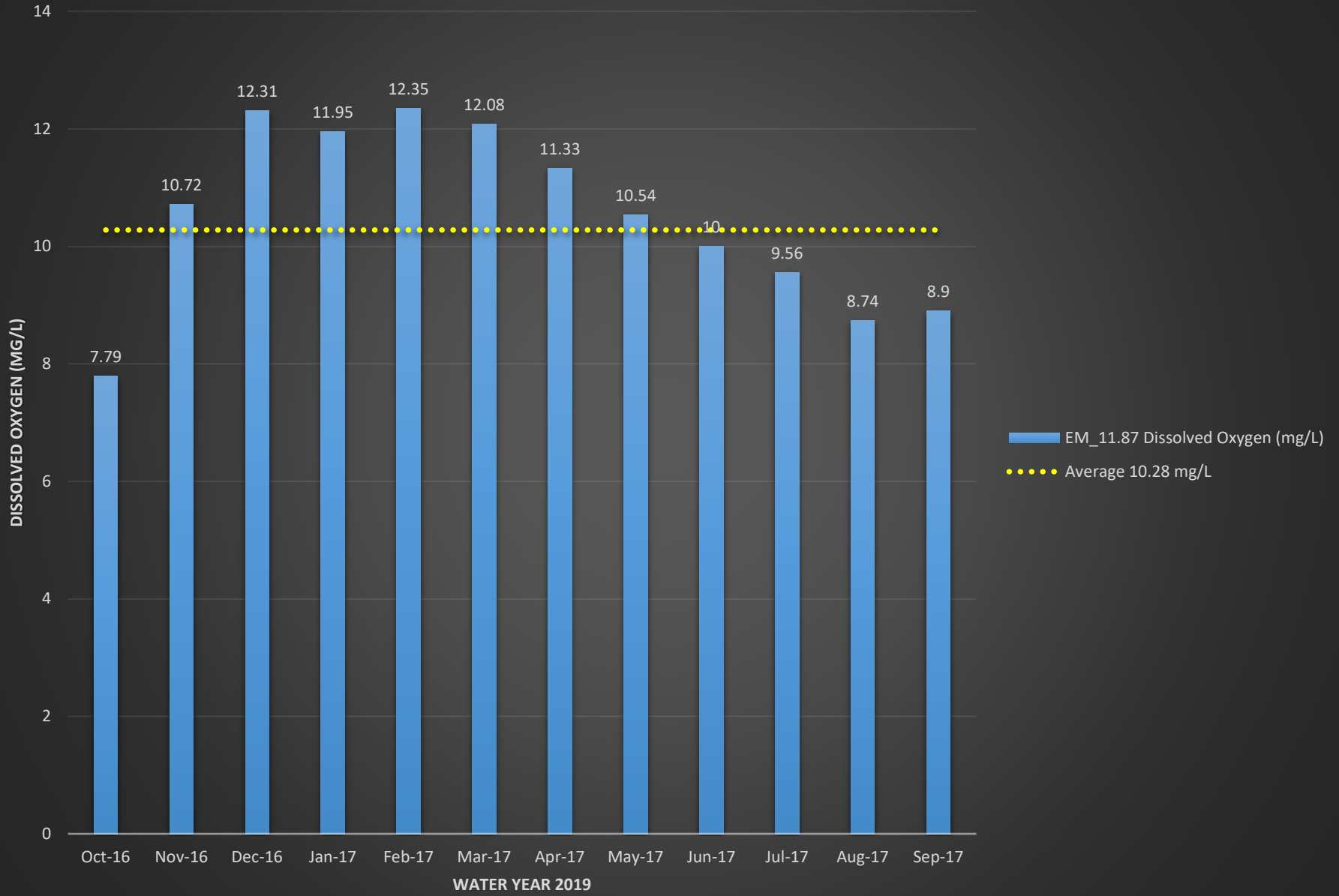
EM_11.87 Temperature (°C)



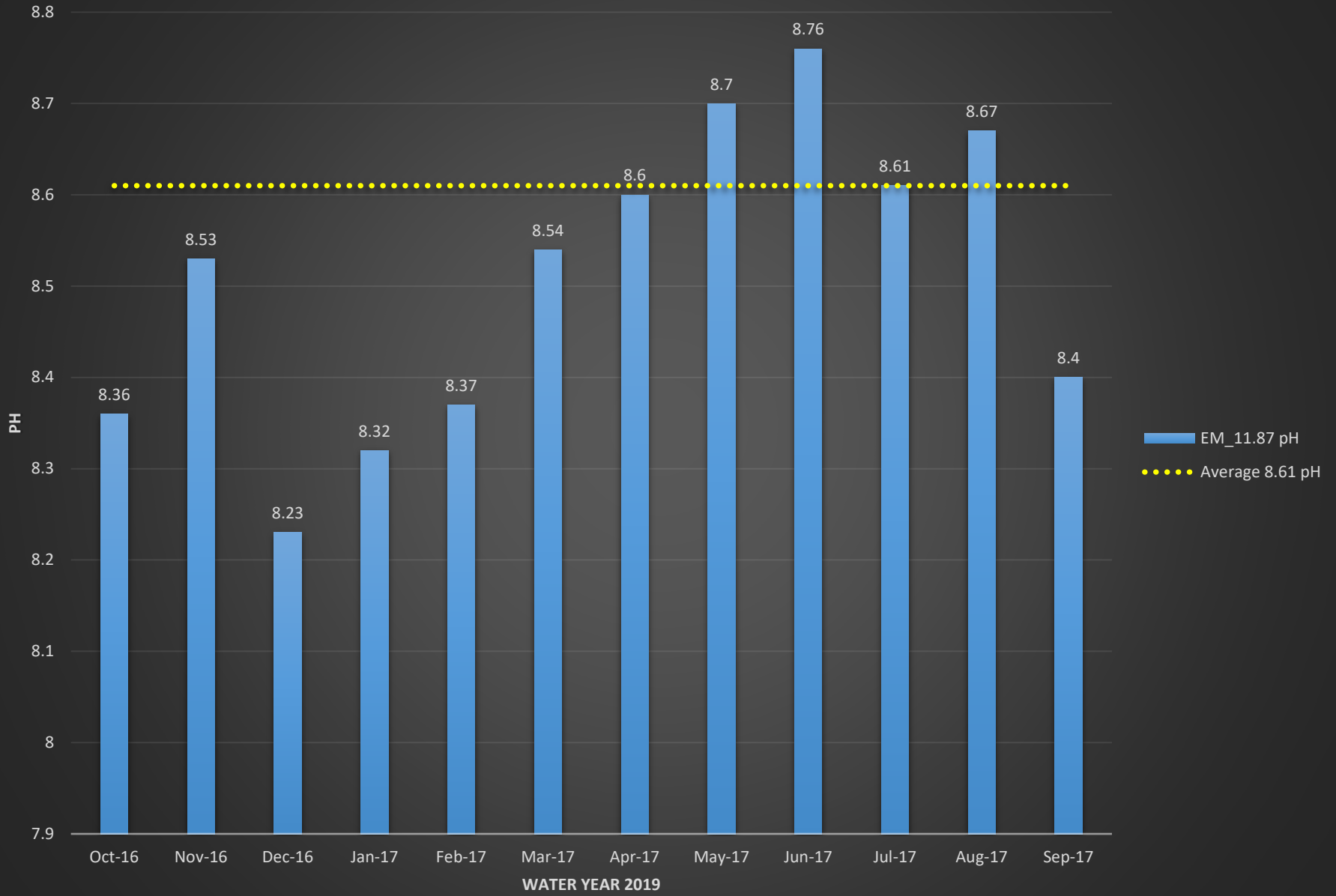
EM_11.87 Dissolved Oxygen (%)



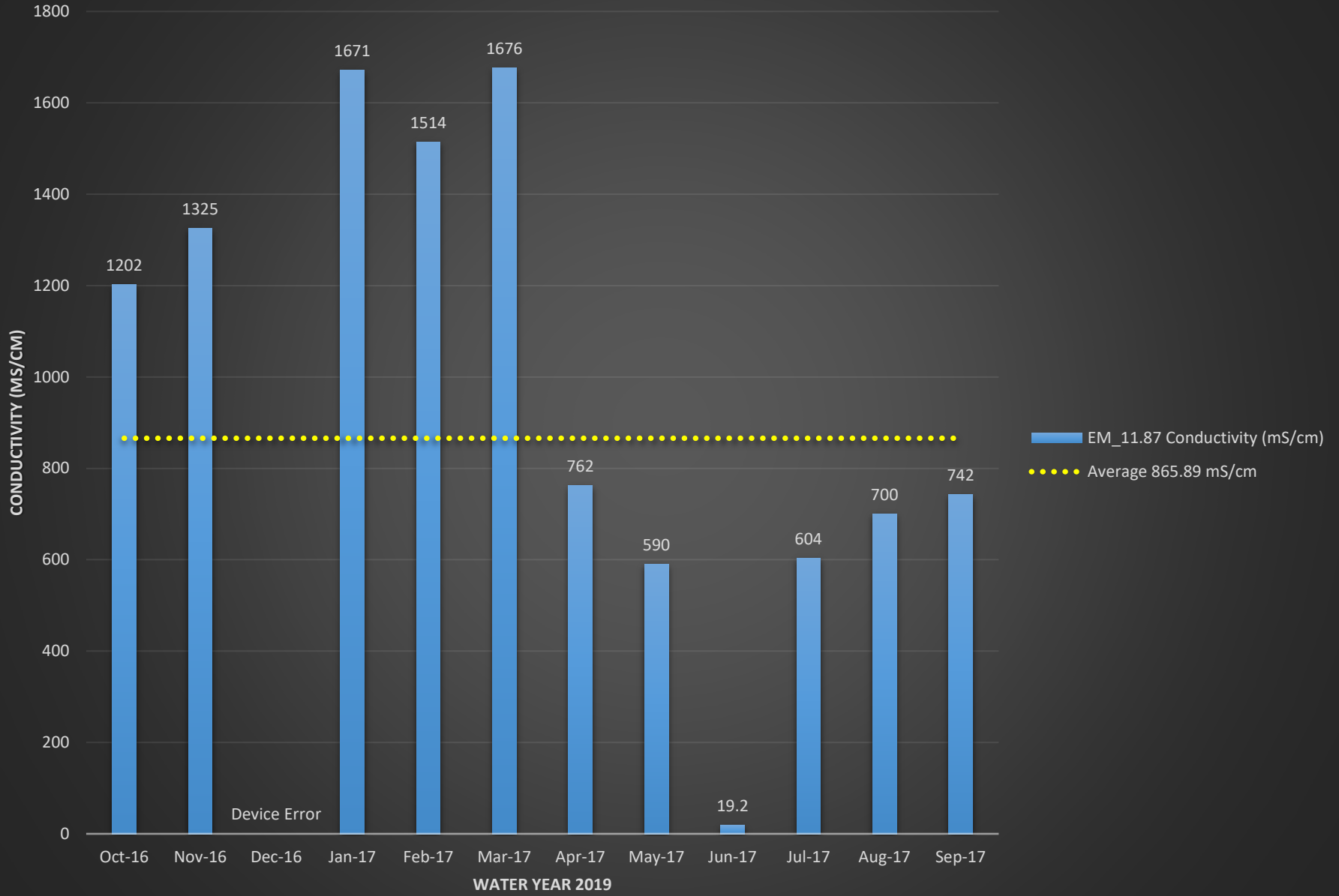
EM_11.87 Dissolved Oxygen (mg/L)



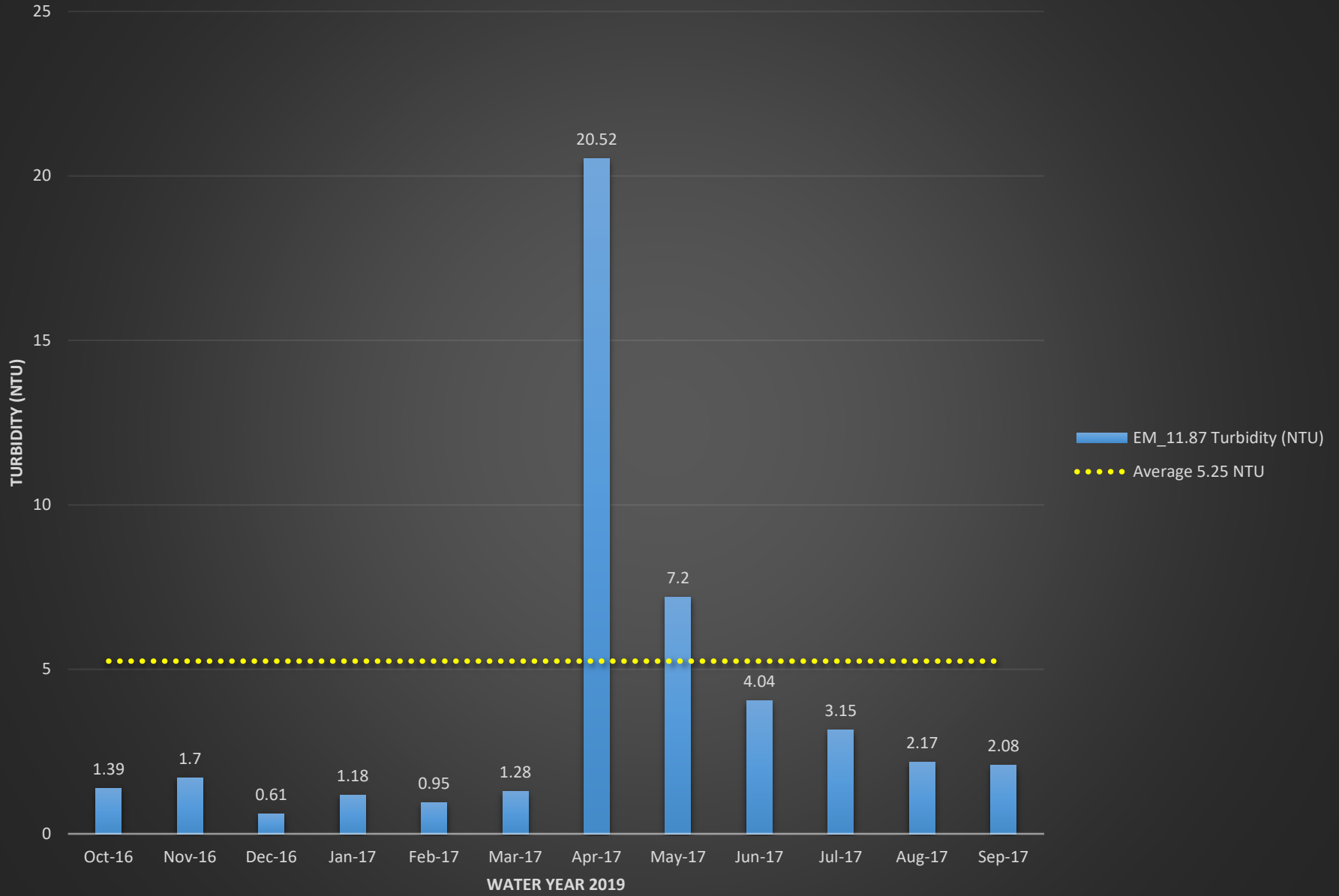
EM_11.87 pH



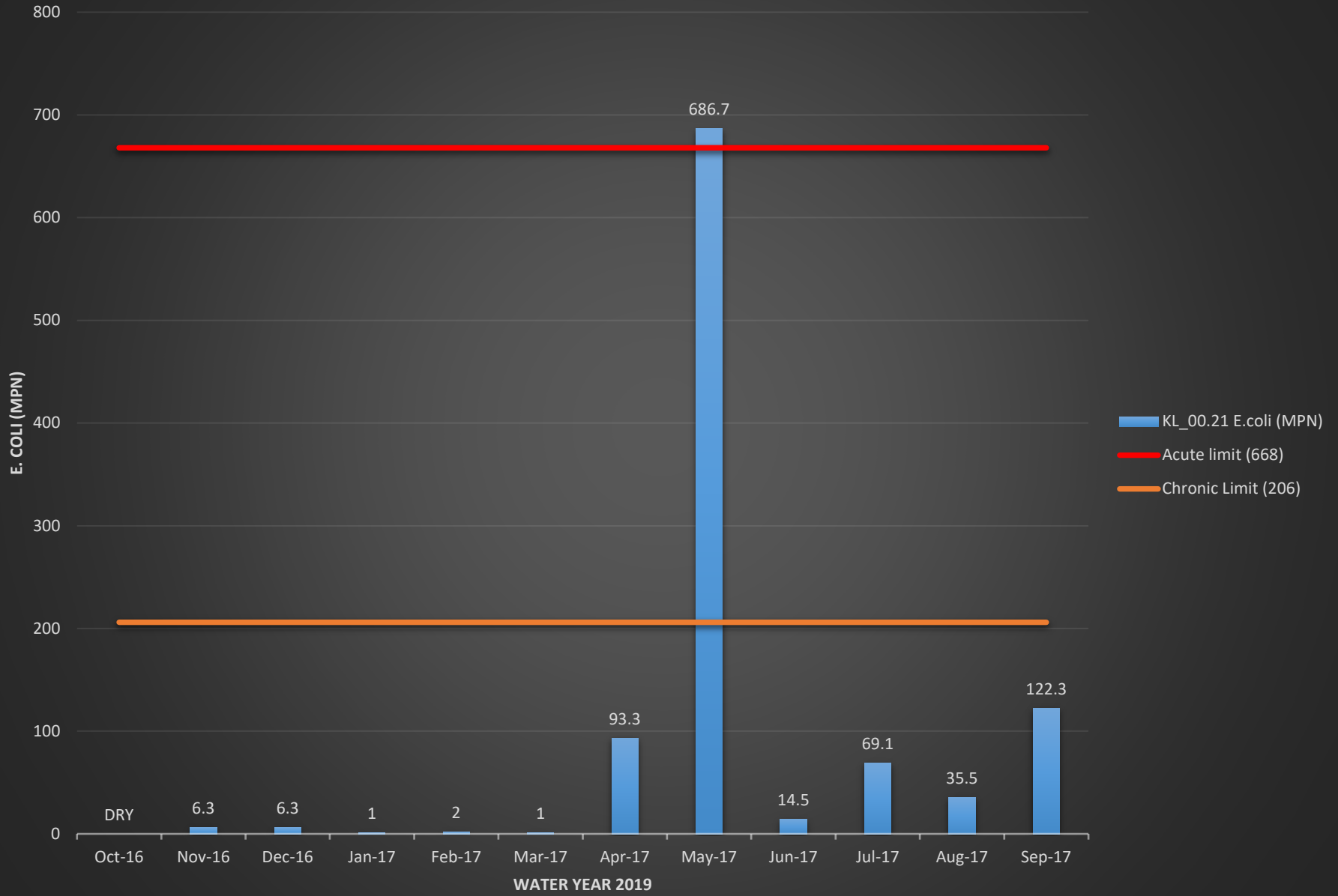
EM_11.87 Conductivity (mS/cm)



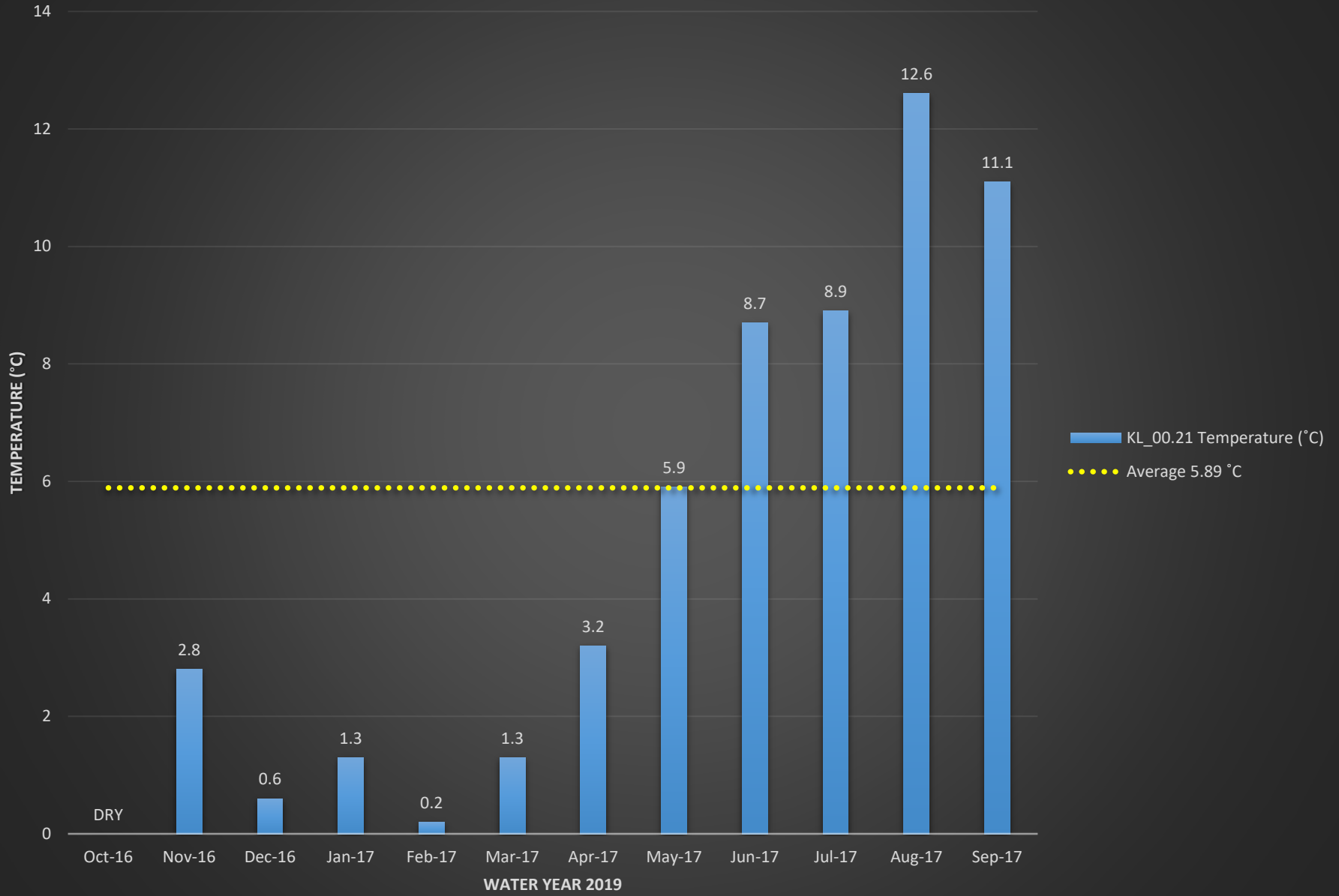
EM_11.87 Turbidity (NTU)



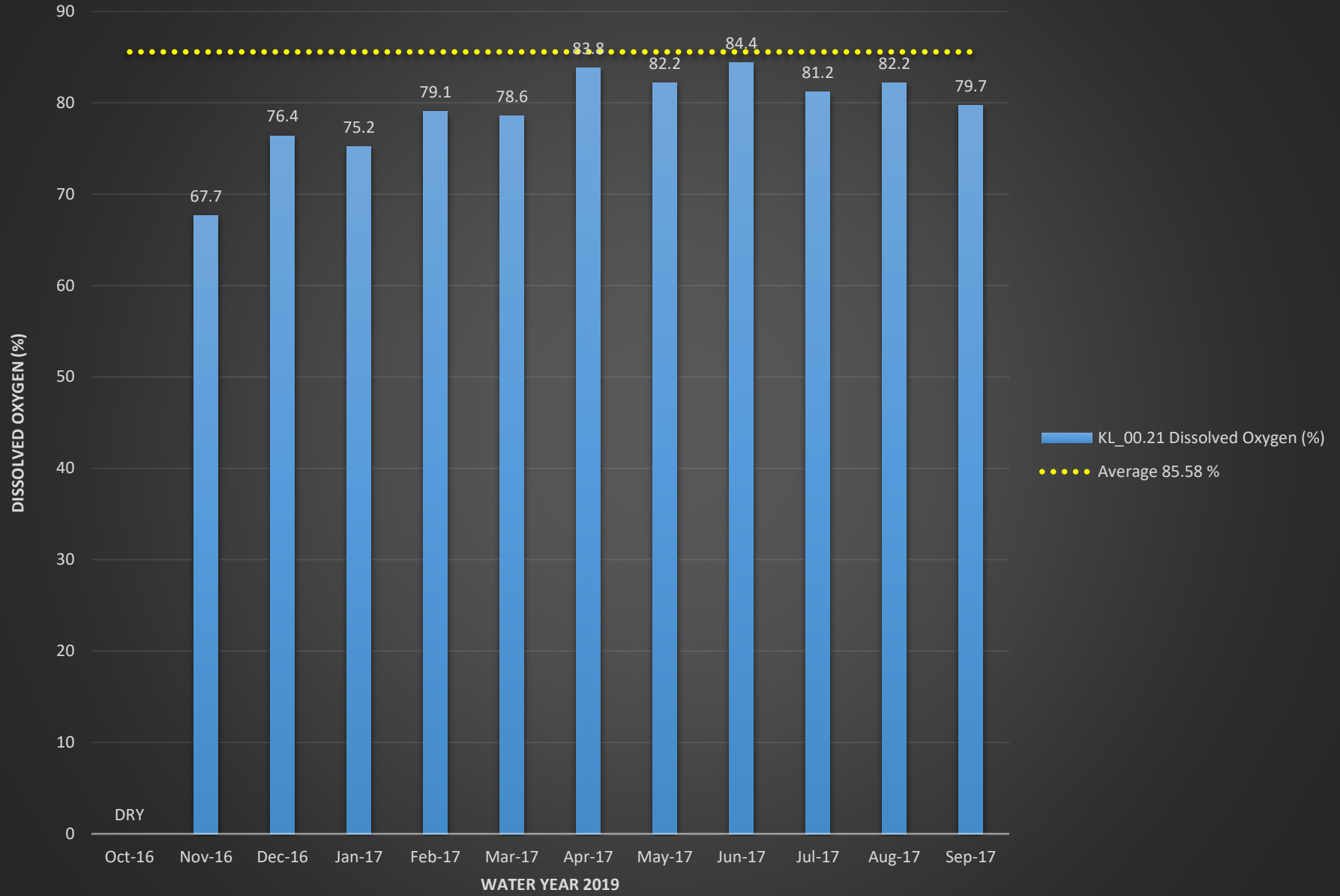
KL_00.21 E.coli (MPN)



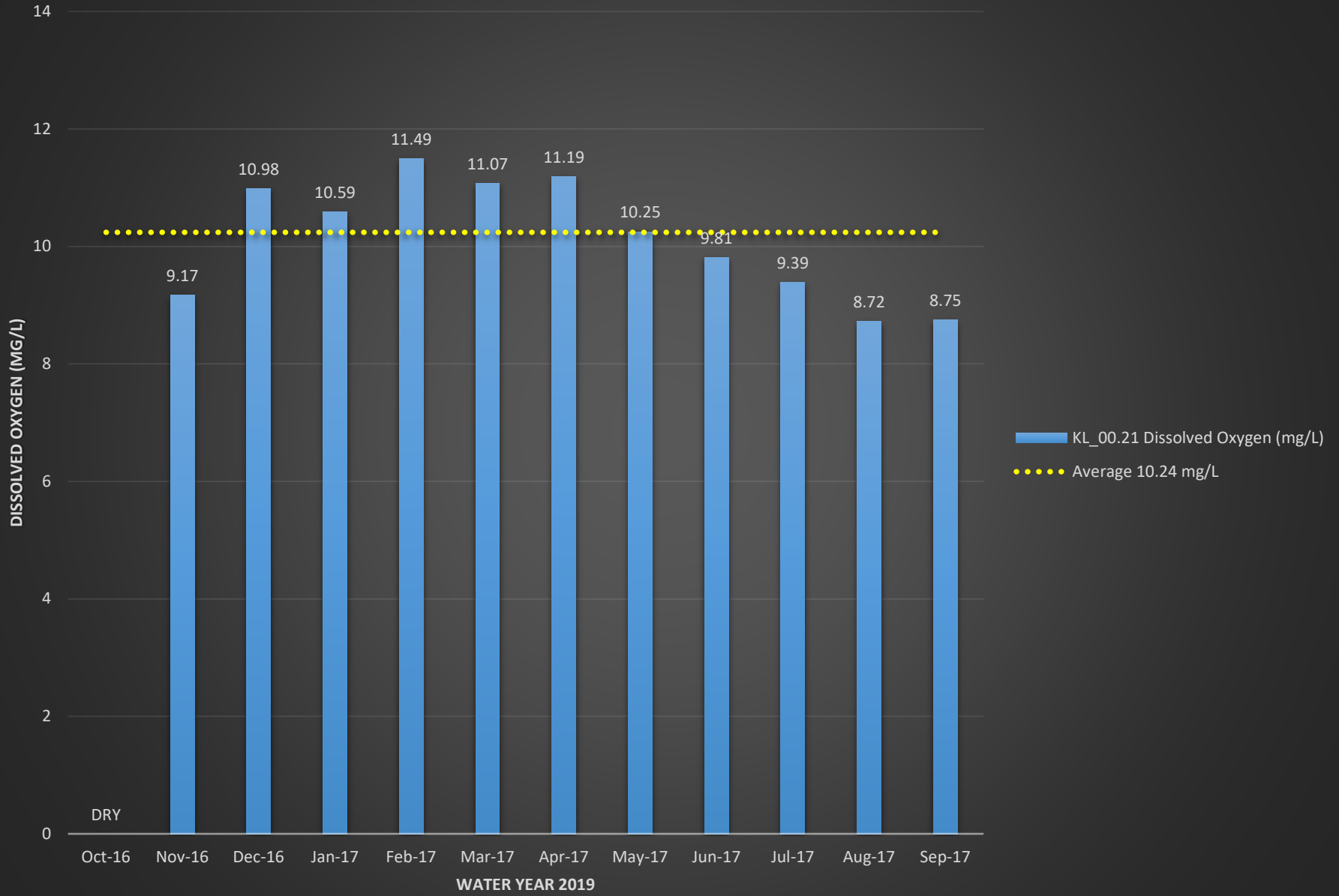
KL_00.21 Temperature (°C)



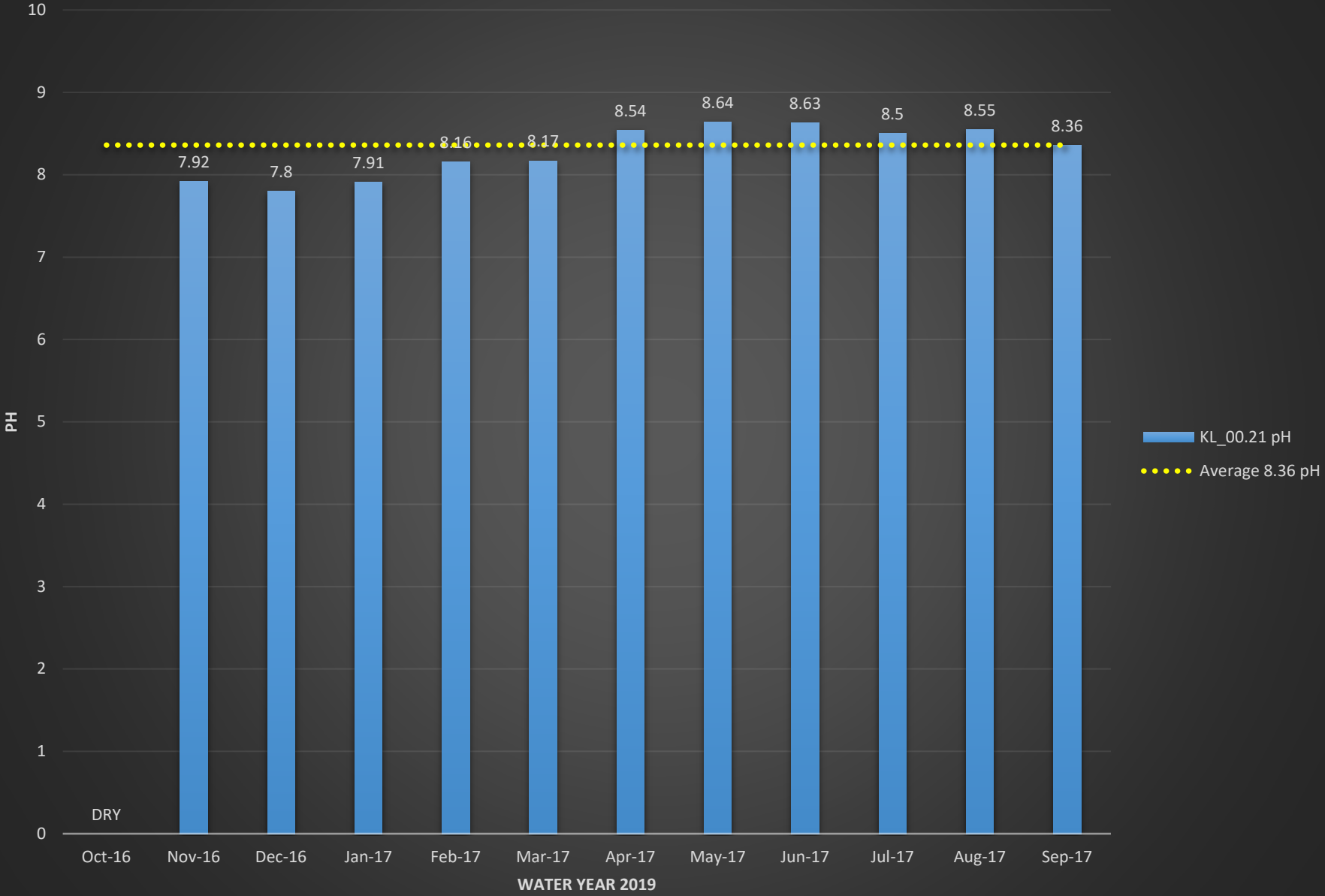
KL_00.21 Dissolved Oxygen (%)



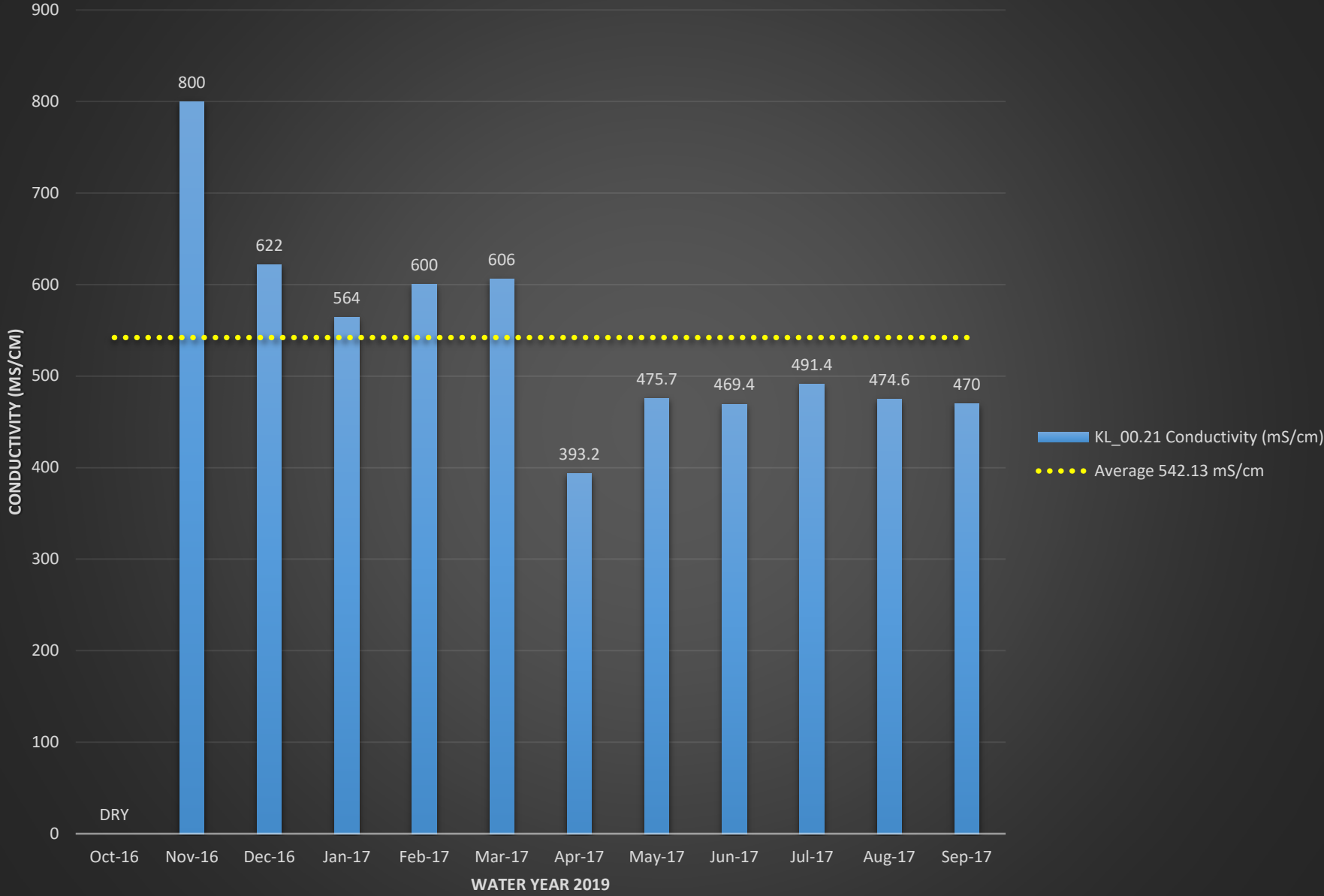
KL_00.21 Dissolved Oxygen (mg/L)



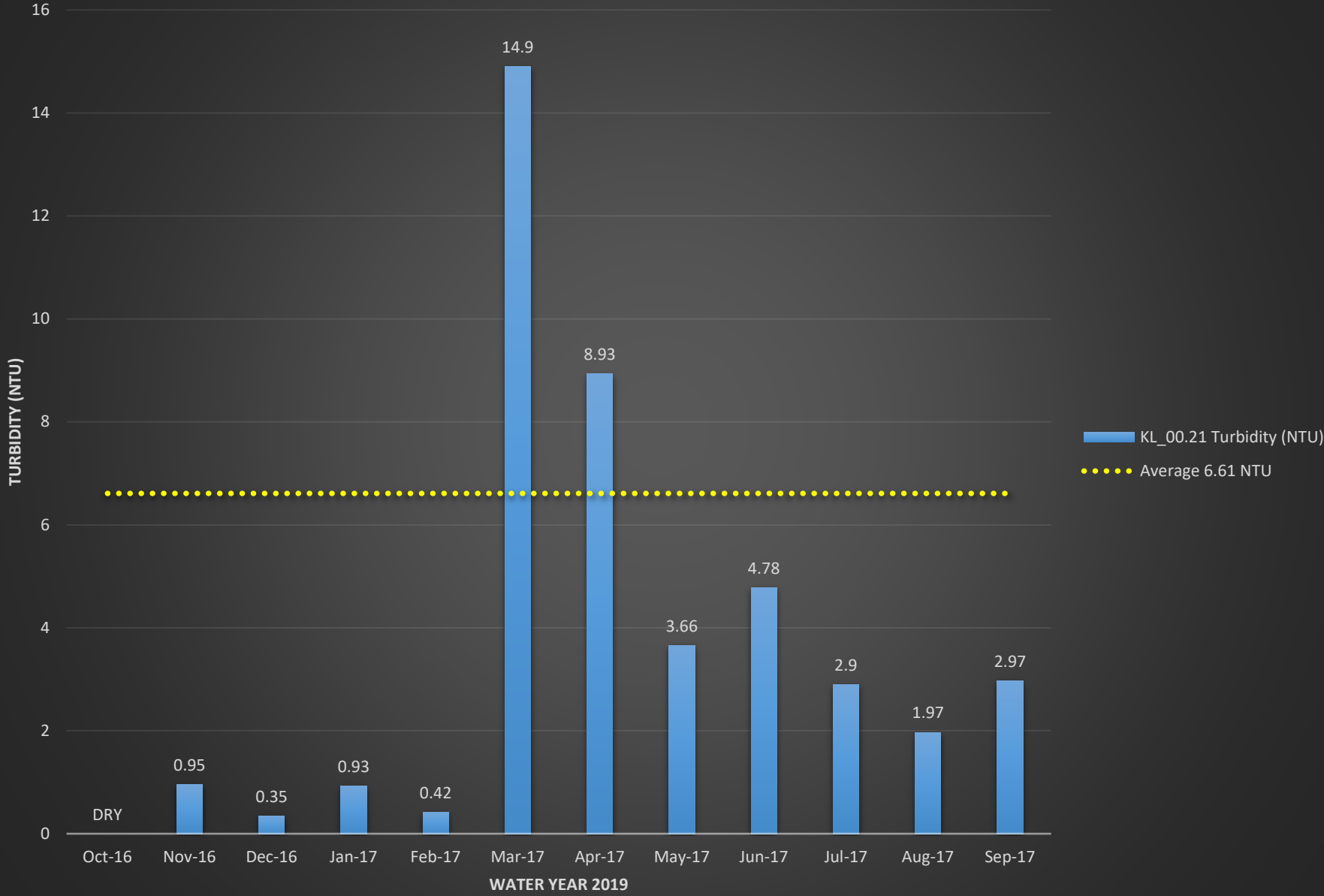
KL_00.21 pH



KL_00.21 Conductivity (mS/cm)



KL_00.21 Turbidity (NTU)



JORDAN RIVER CORRIDOR SUBWATERSHED

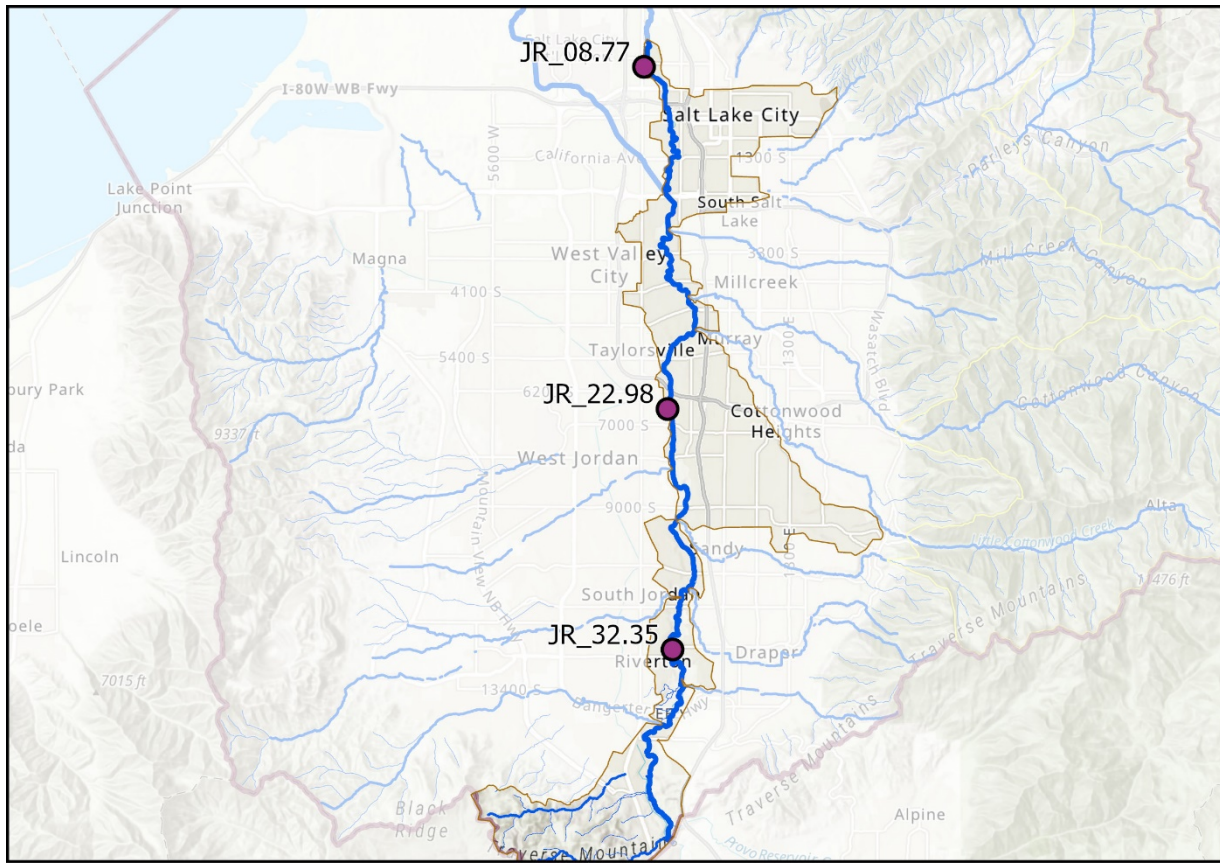
Subwatershed Map with All Sample Sites



- 2019 Sample Locations
- Salt Lake County Boundary
- SLC Drinking Water Protection Area
- Tributary
- Creek
- River



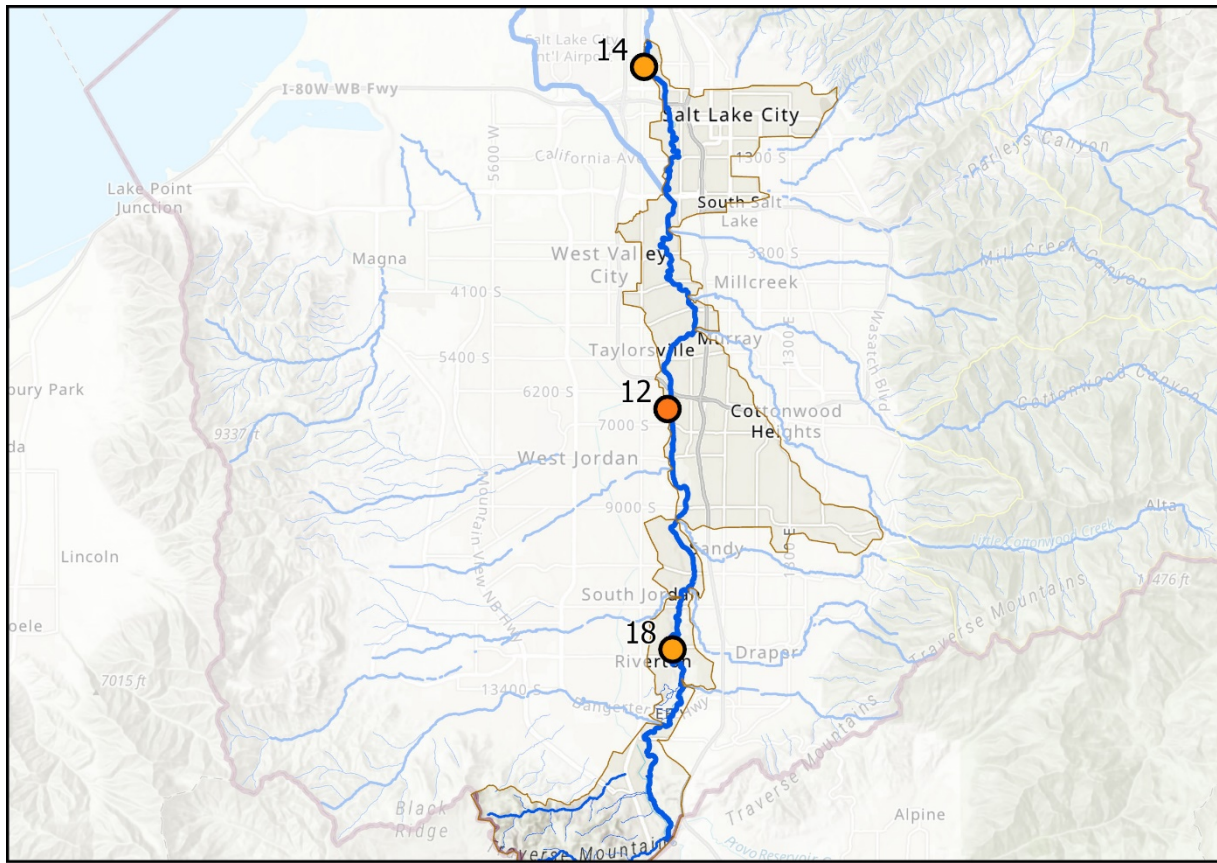
Subwatershed Map with Macroinvertebrate Sample Sites



- 2019 Macroinvertebrate Sample Locations
- Salt Lake County Boundary
- SLC Drinking Water Source Protection Area
- Tributary
- Creek
- River



Macroinvertebrate Karr-BIBI Results



2019 Macroinvertebrate
Karr BIBI

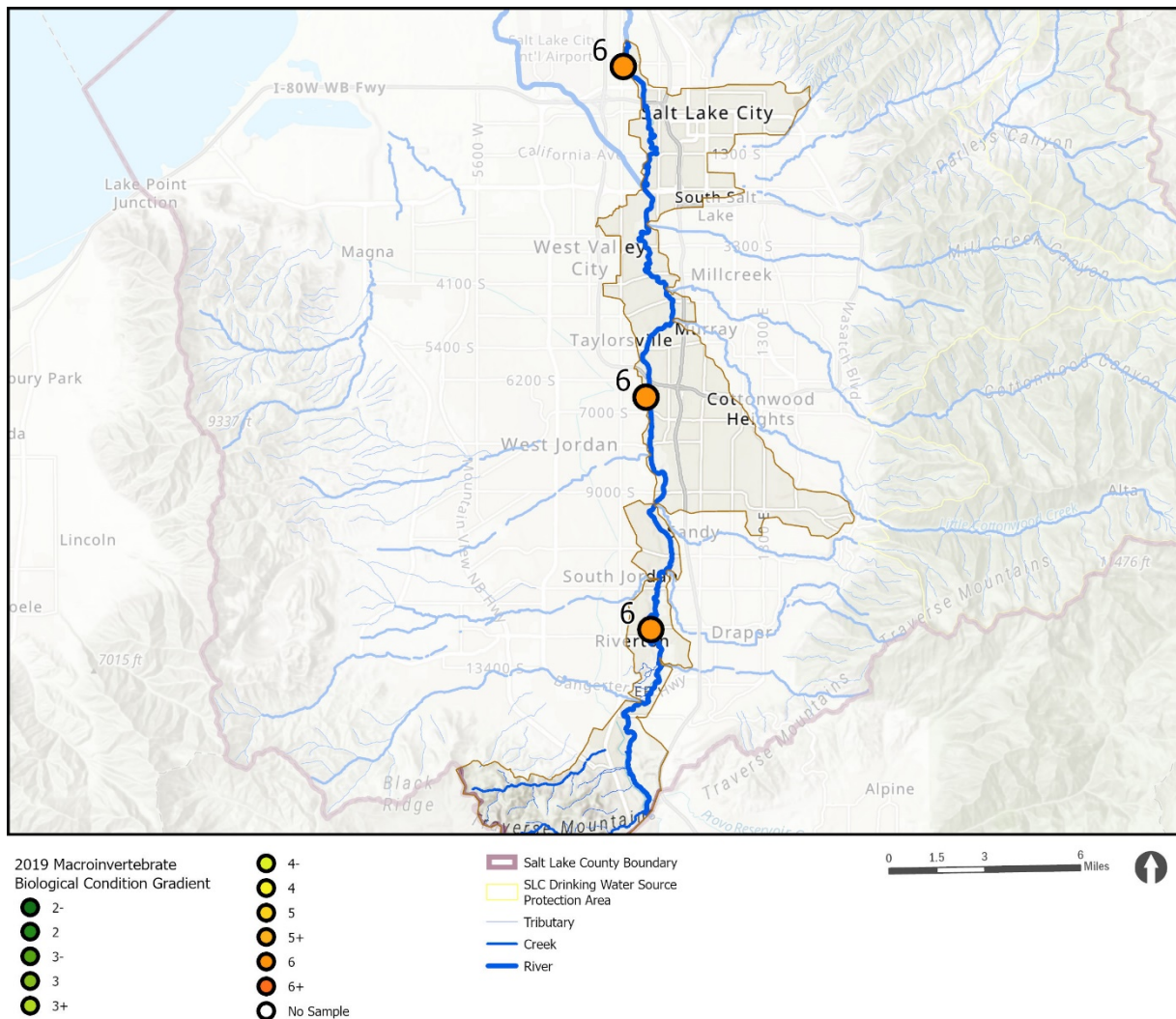
- ≤10
- ≤12
- ≤20
- ≤24

- ≤28
- ≤32
- ≤36
- ≤40
- ≤44
- ≤48

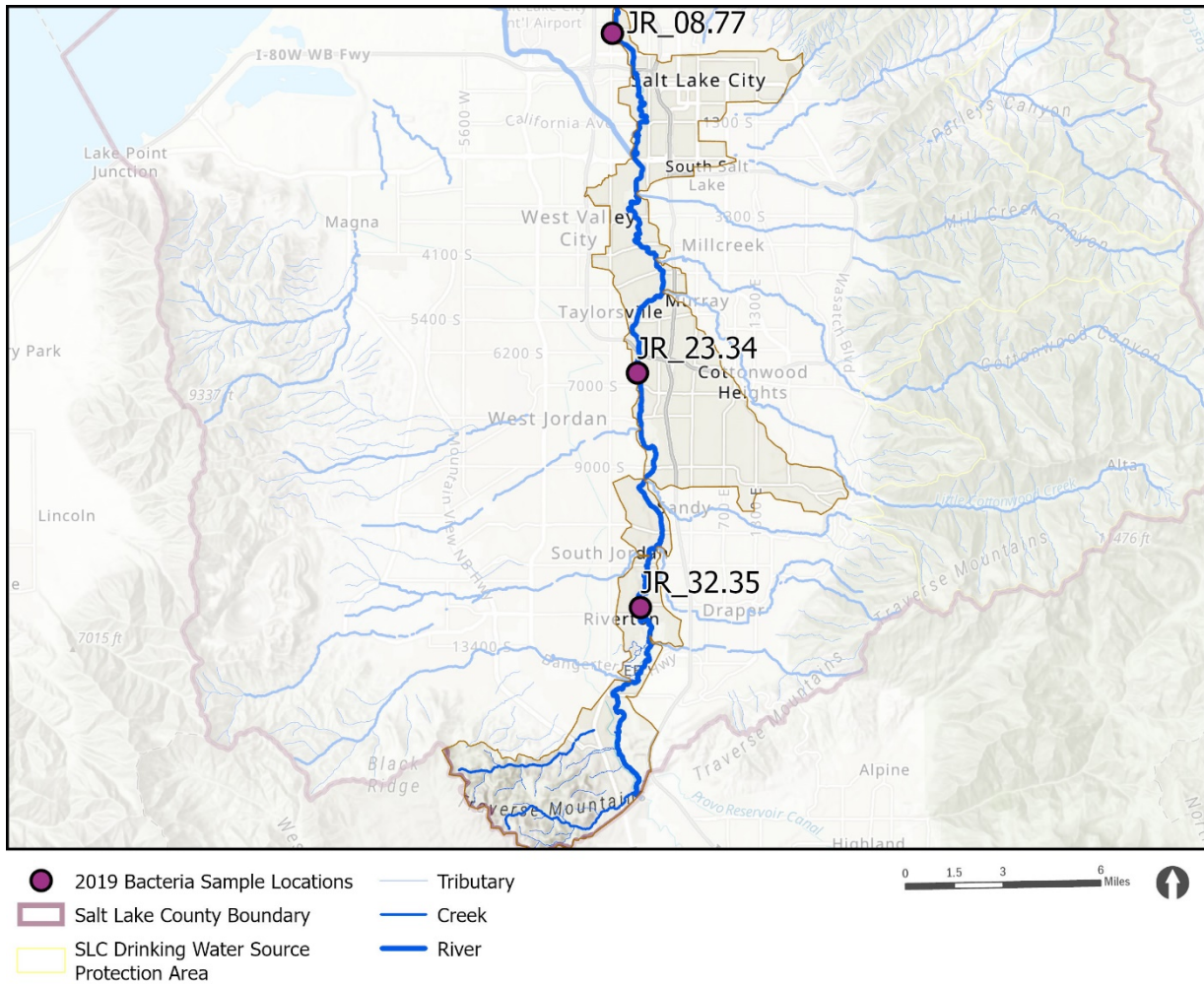
- No Sample
- ▭ Salt Lake County Boundary
- ▭ SLC Drinking Water Source Protection Area
- Tributary
- Creek
- River



Macroinvertebrate Biological Condition Gradient (BCG) Results



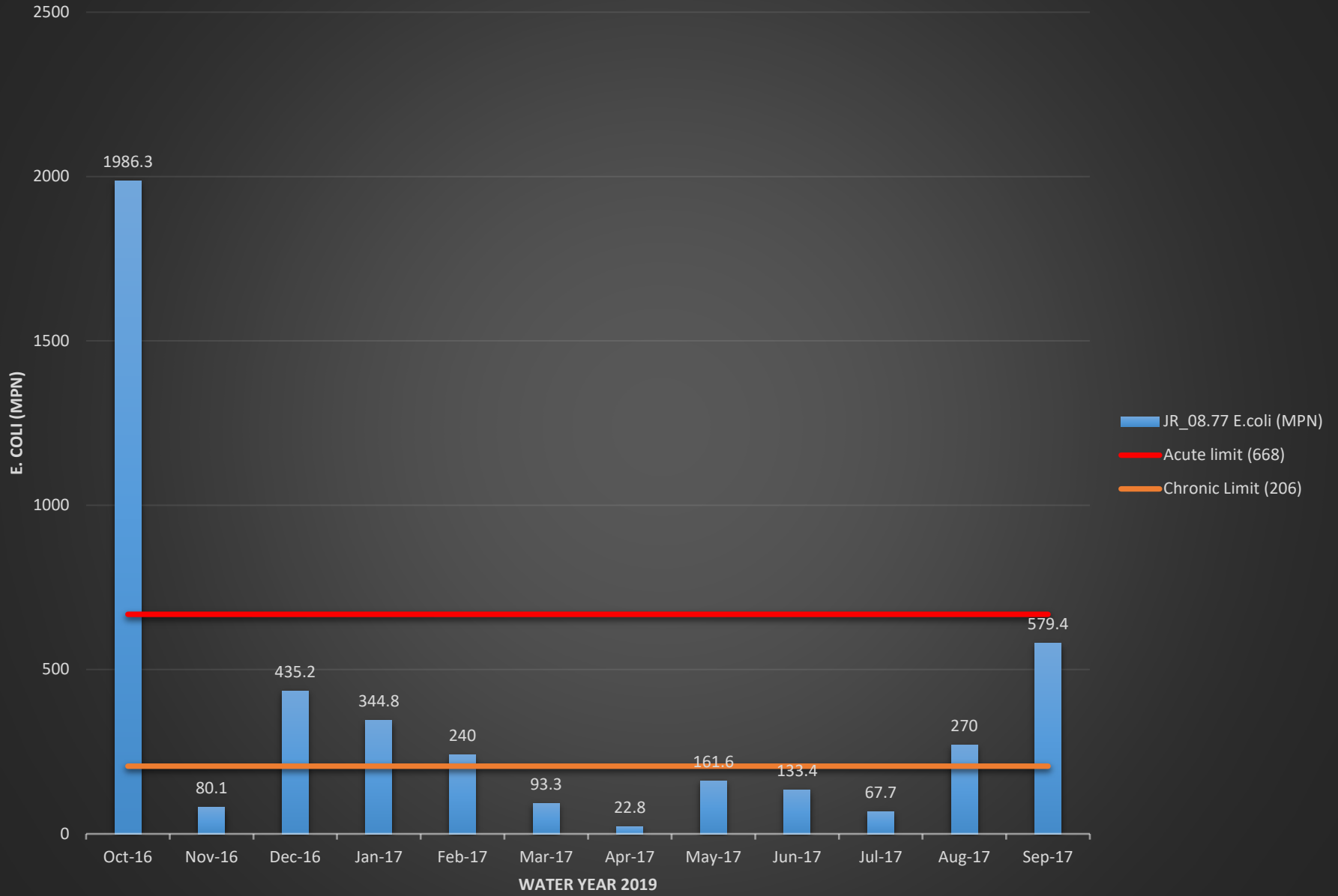
Subwatershed Map with Bacteria Sample Sites



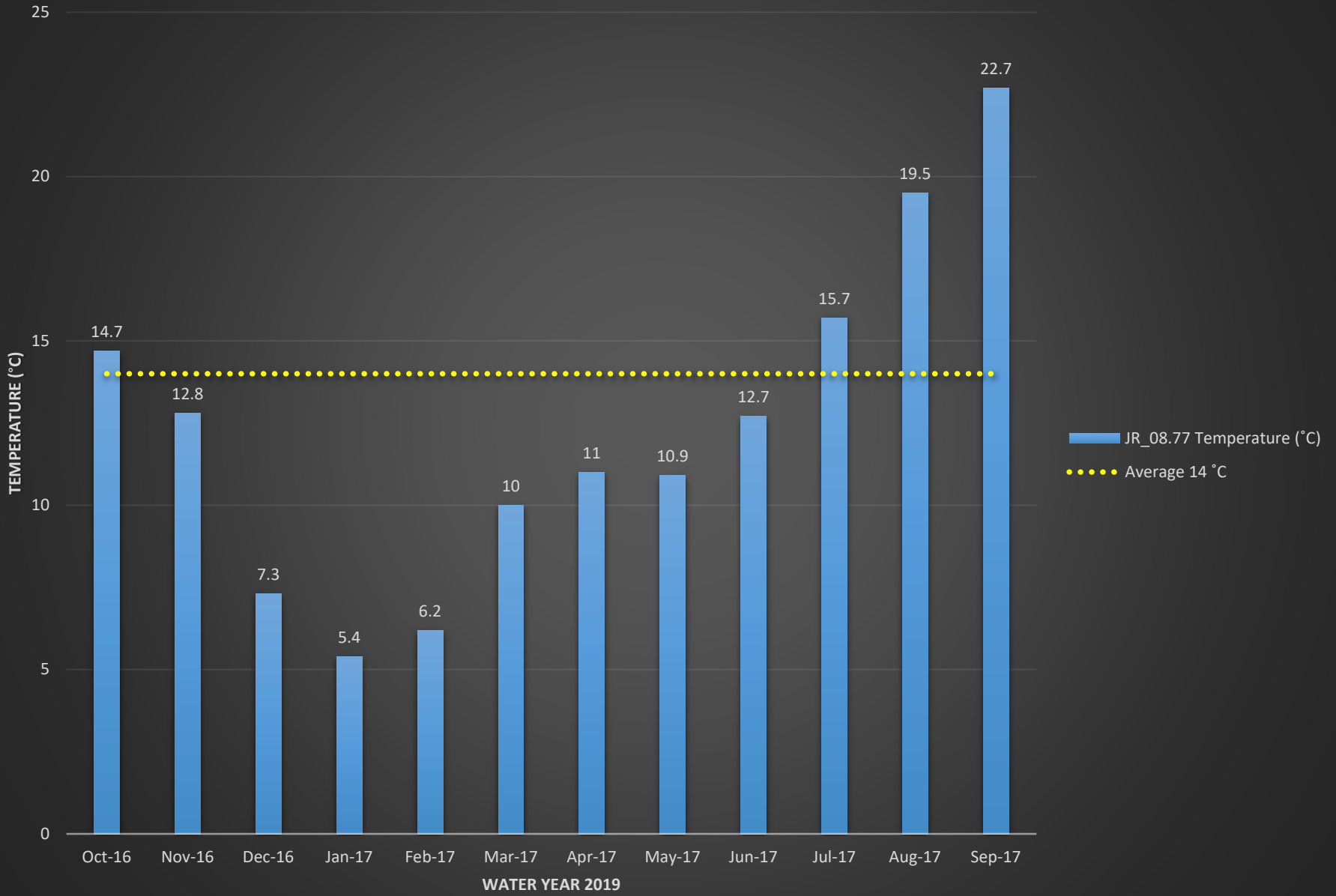
E.coli & Field Parameter Graphs

Graphs begin on next page.

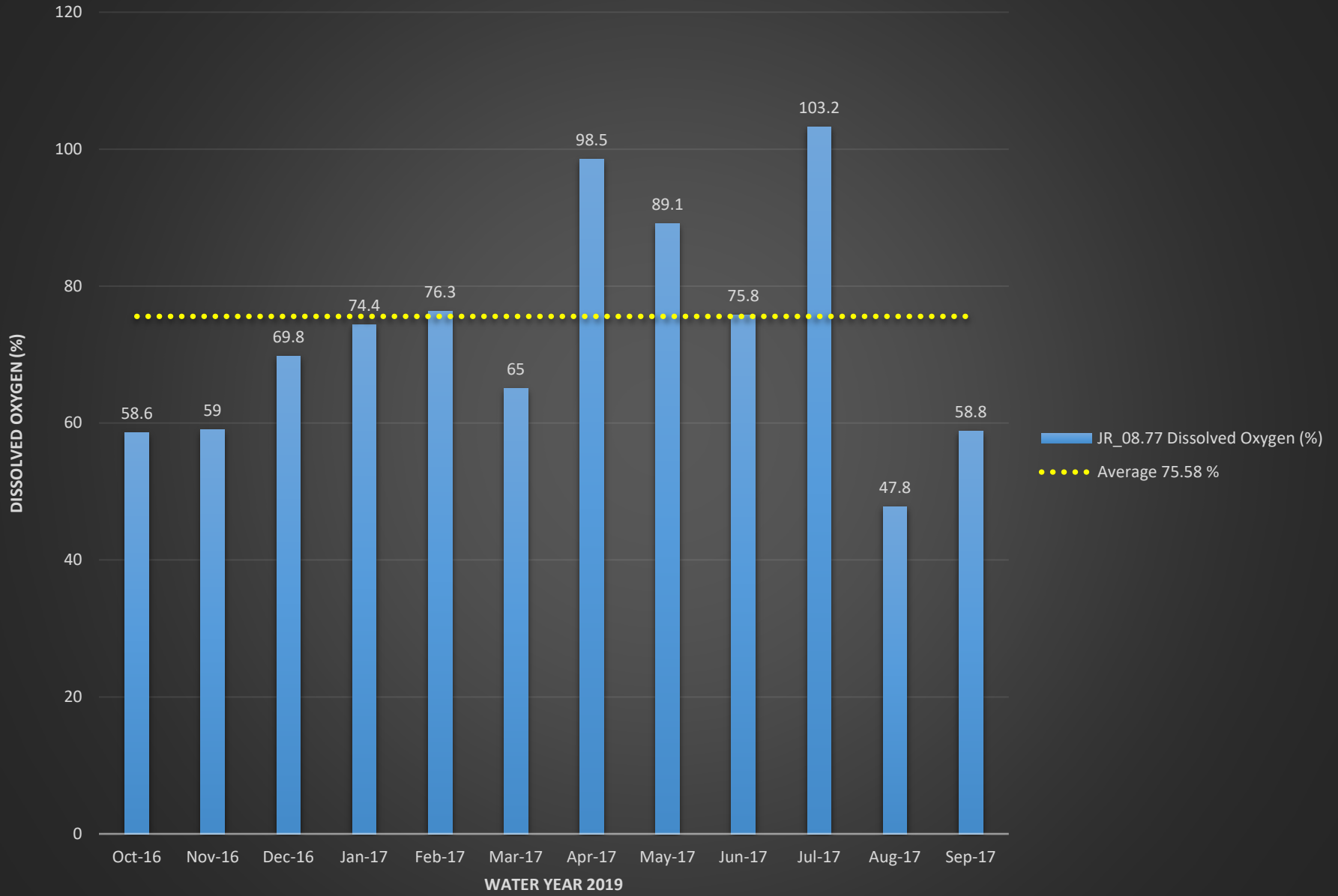
JR_08.77 E.coli (MPN)



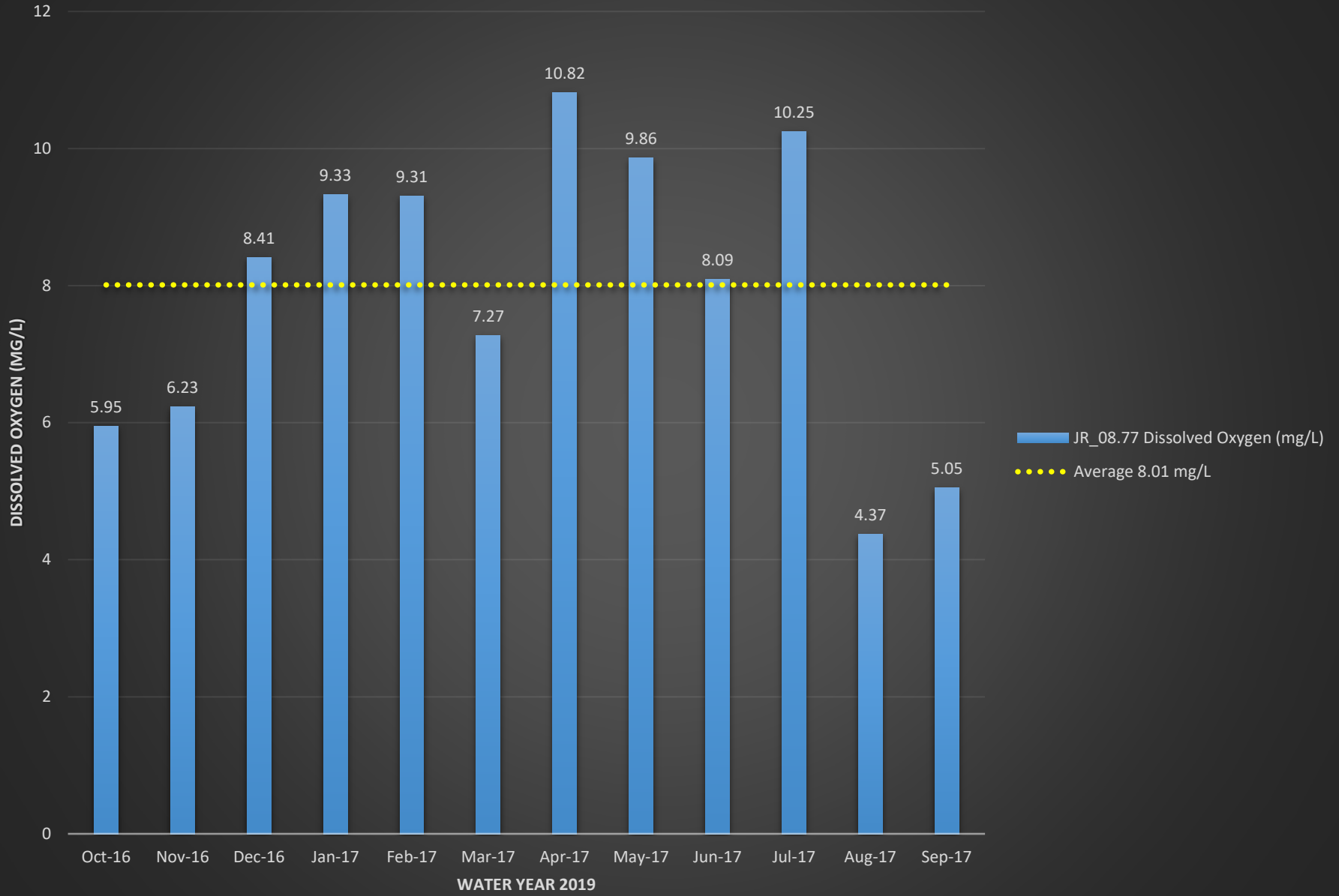
JR_08.77 Temperature (°C)



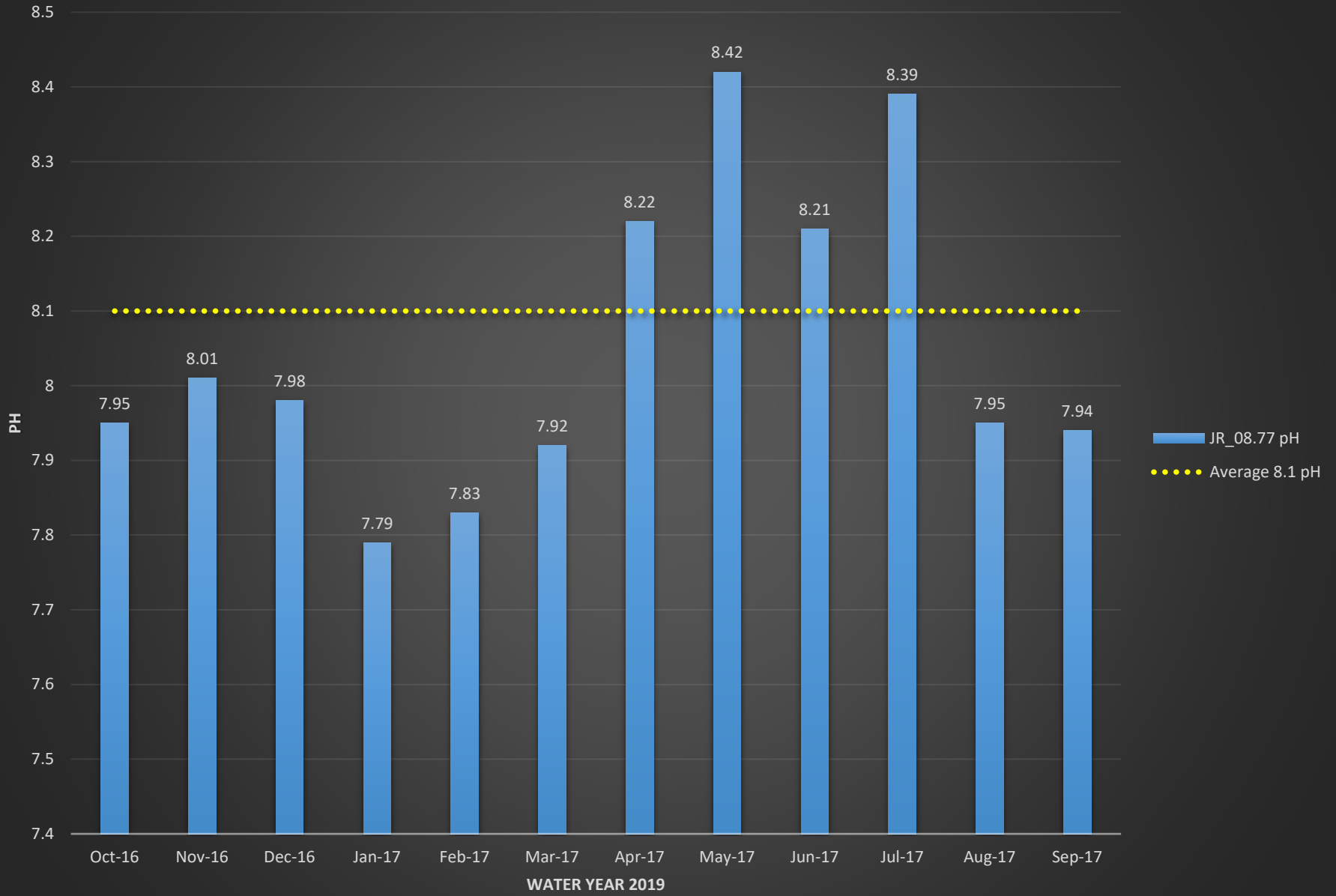
JR_08.77 Dissolved Oxygen (%)



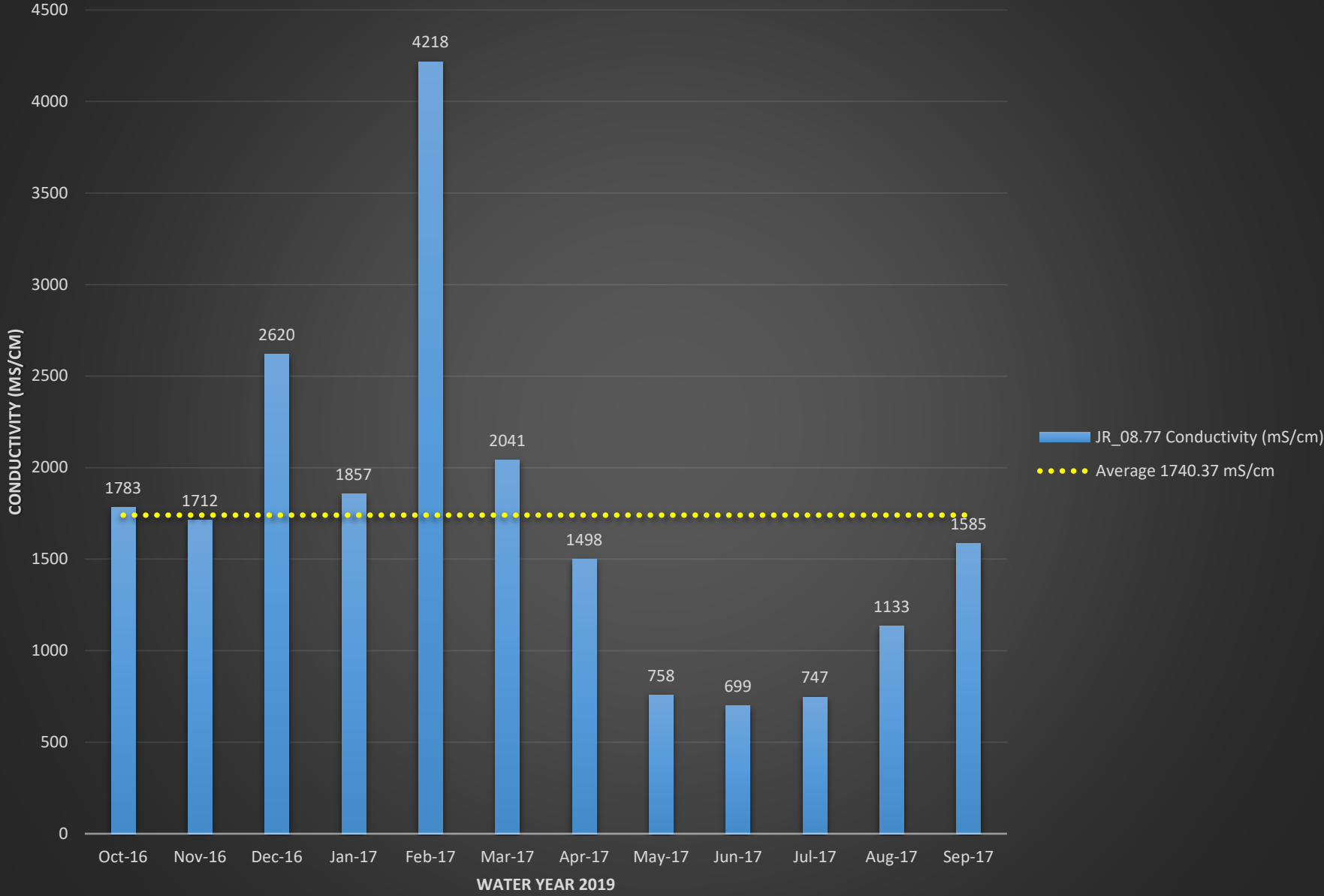
JR_08.77 Dissolved Oxygen (mg/L)



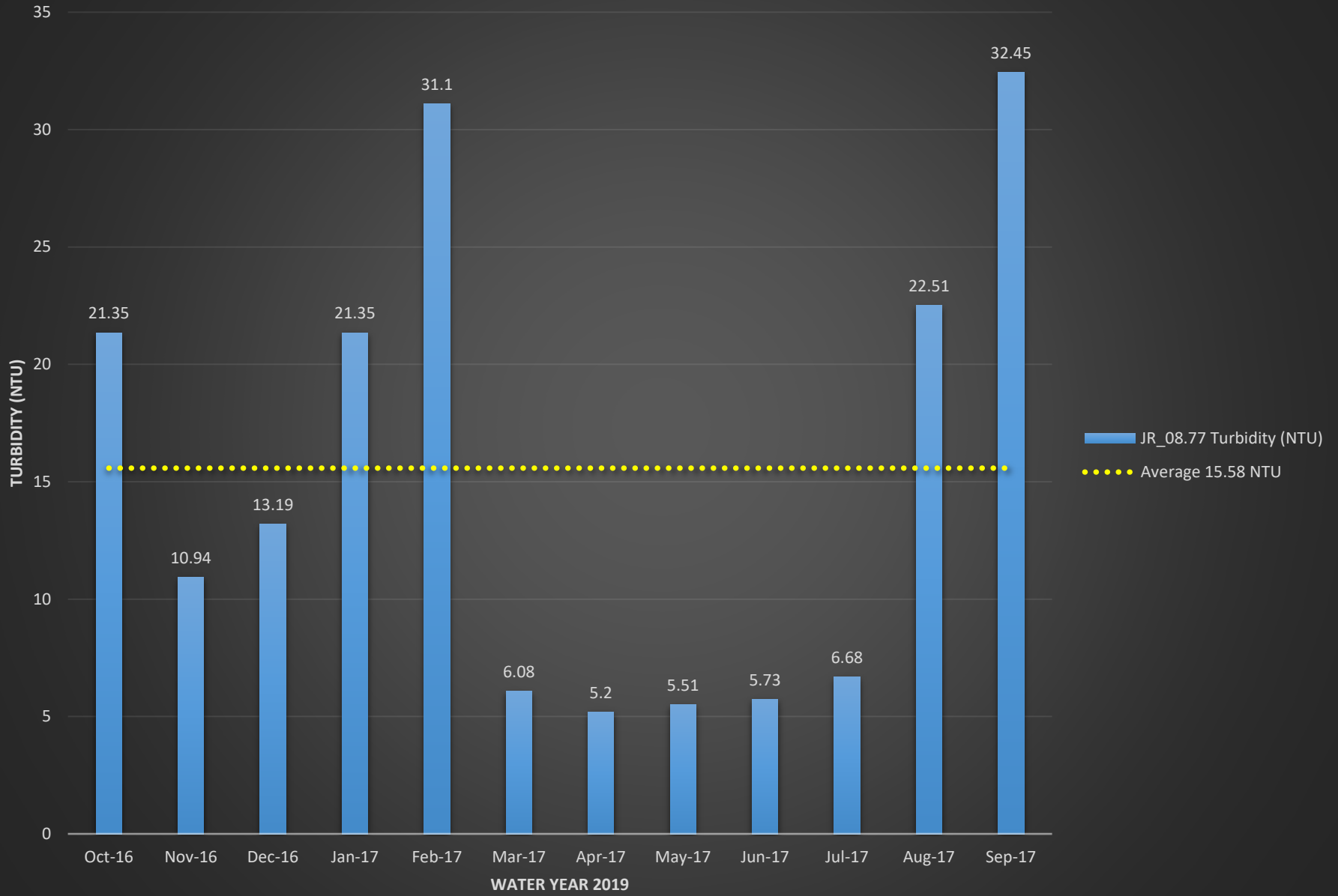
JR_08.77 pH



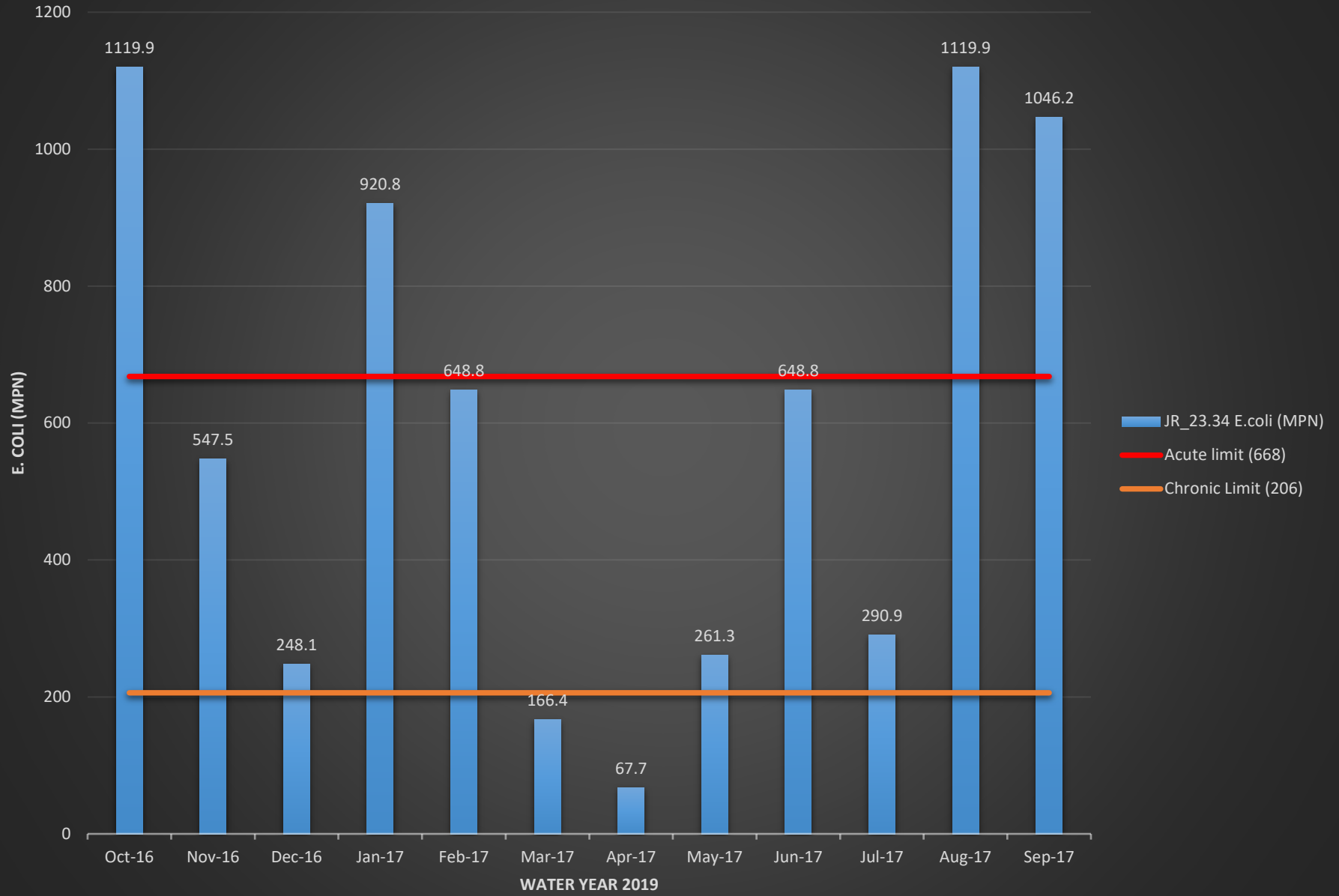
JR_08.77 Conductivity (mS/cm)



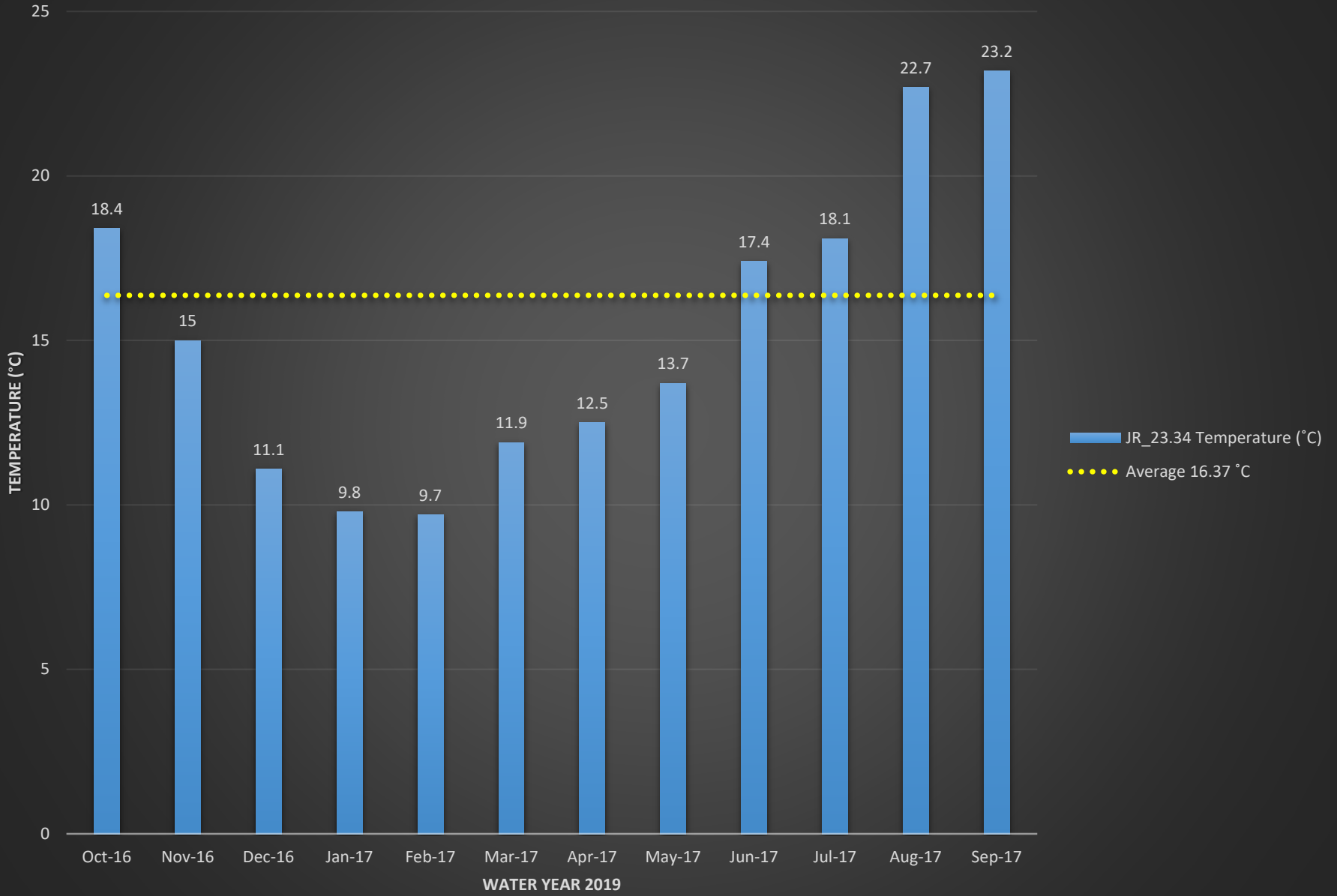
JR_08.77 Turbidity (NTU)



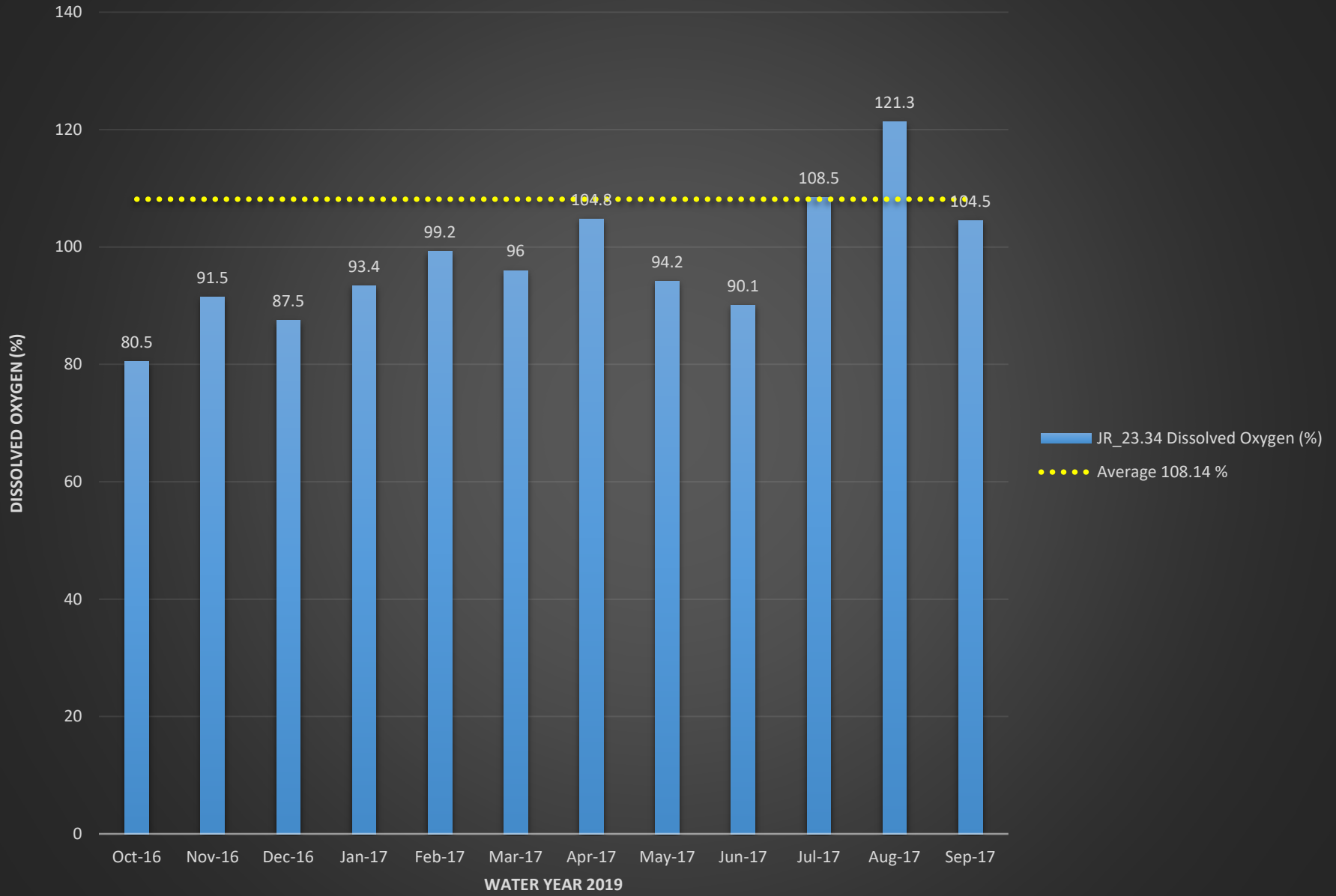
JR_23.34 E.coli (MPN)



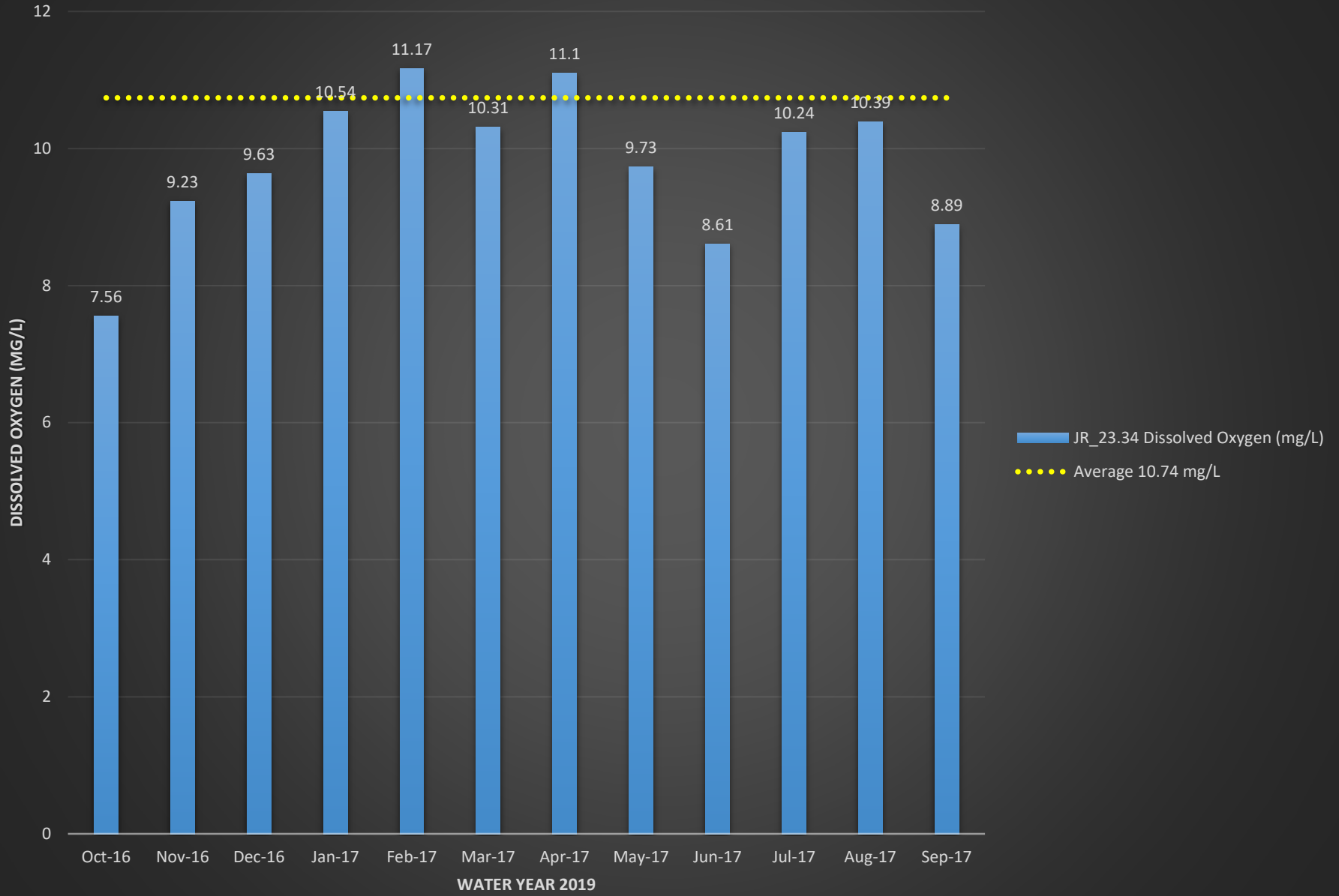
JR_23.34 Temperature (°C)



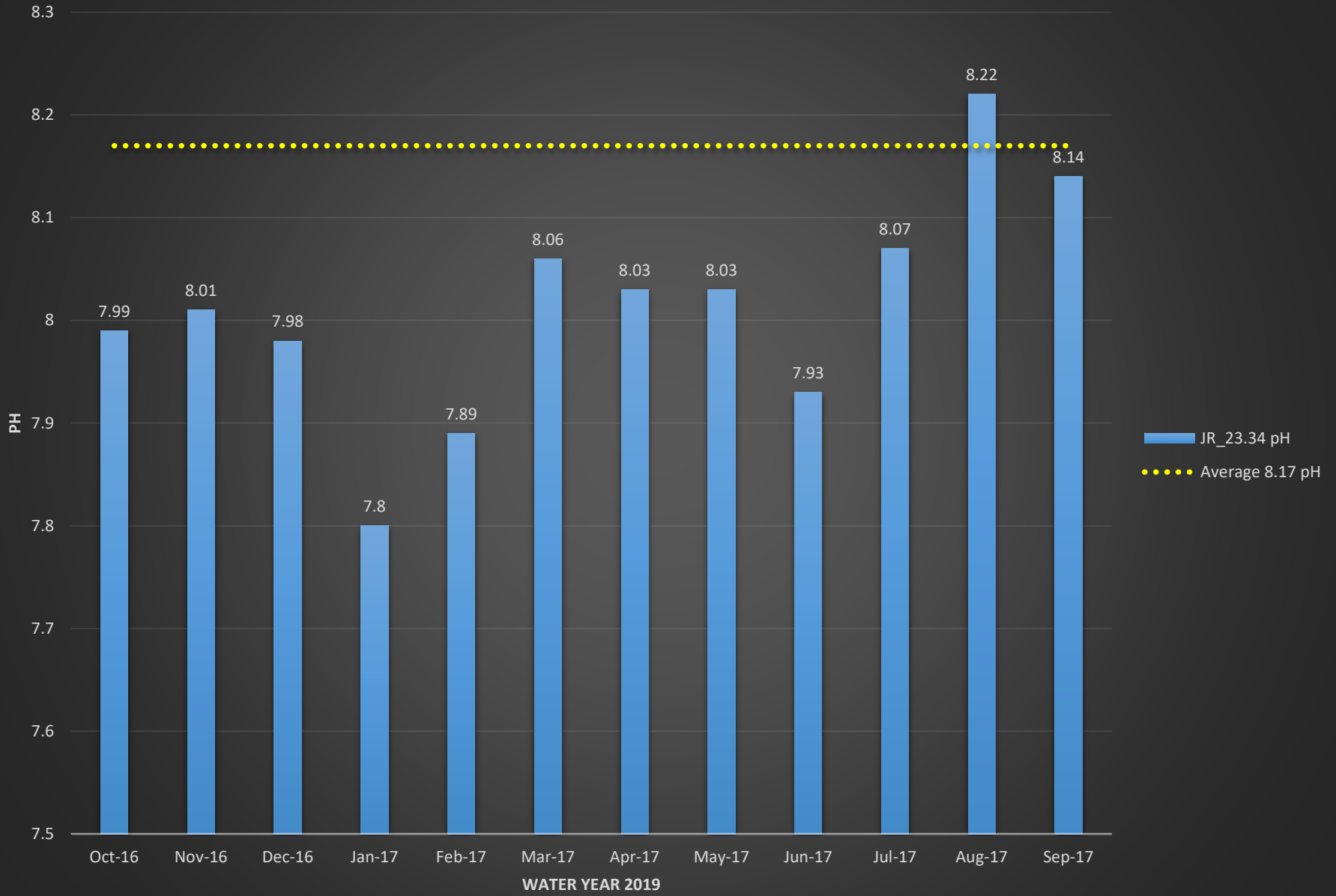
JR_23.34 Dissolved Oxygen (%)



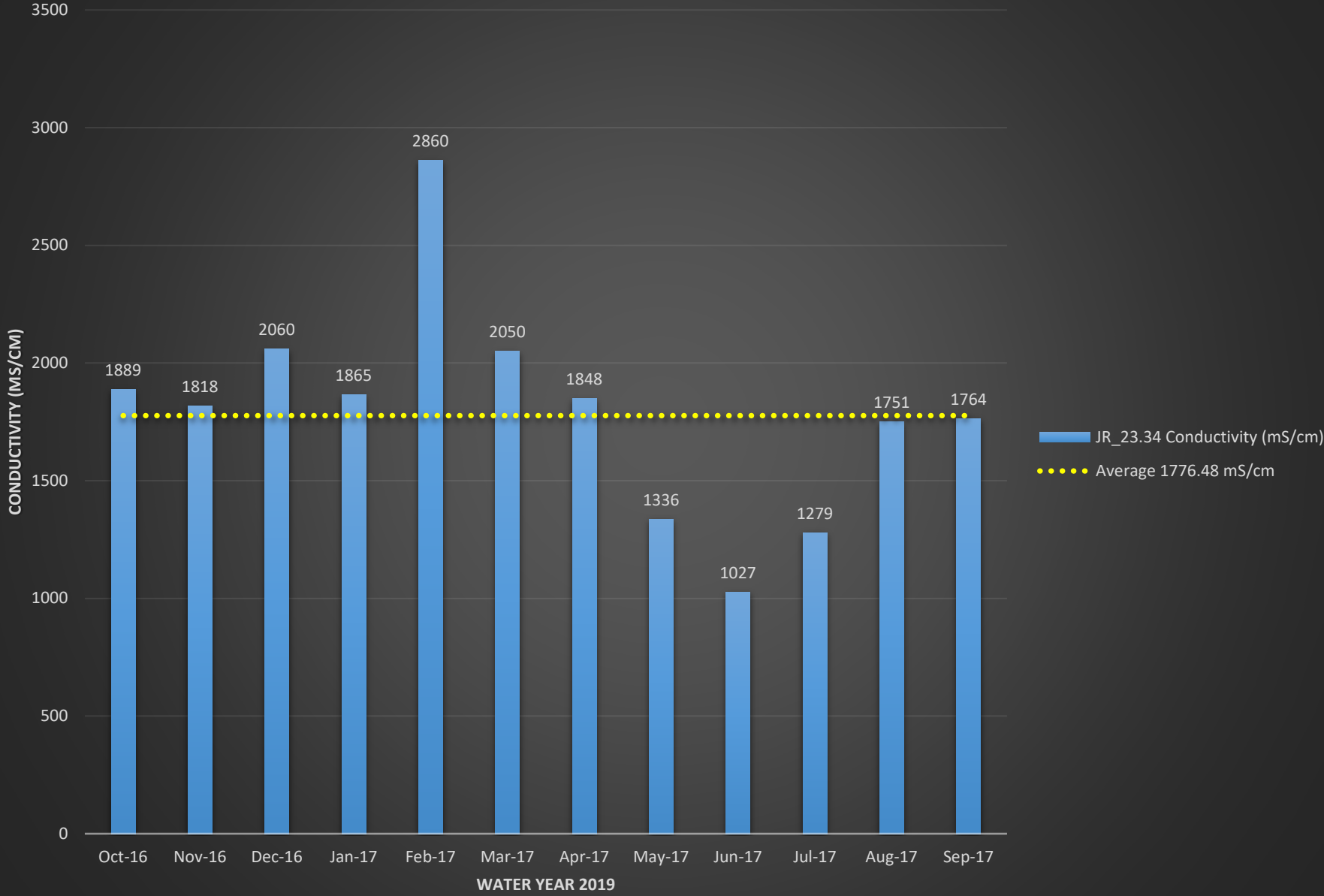
JR_23.34 Dissolved Oxygen (mg/L)



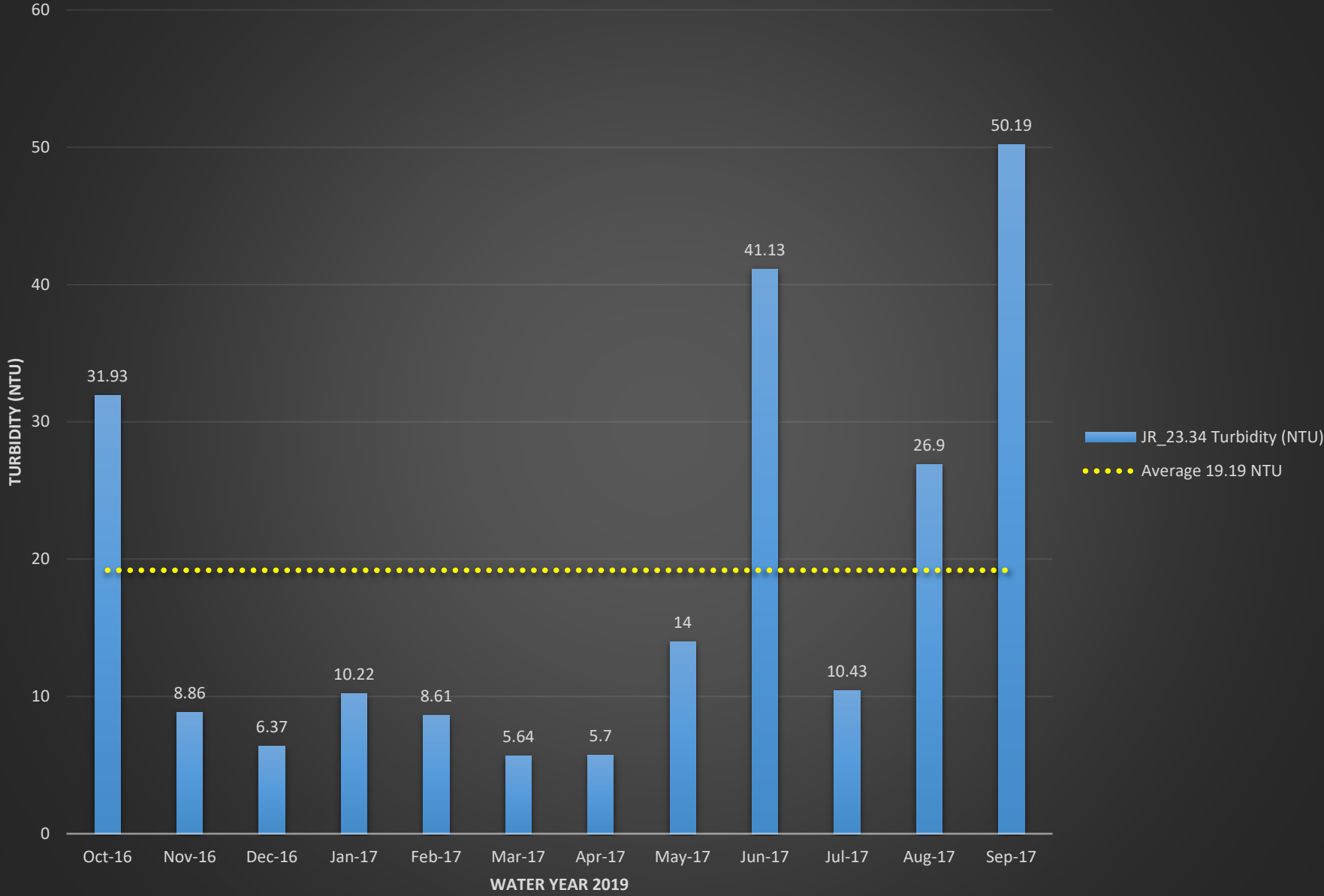
JR_23.34 pH



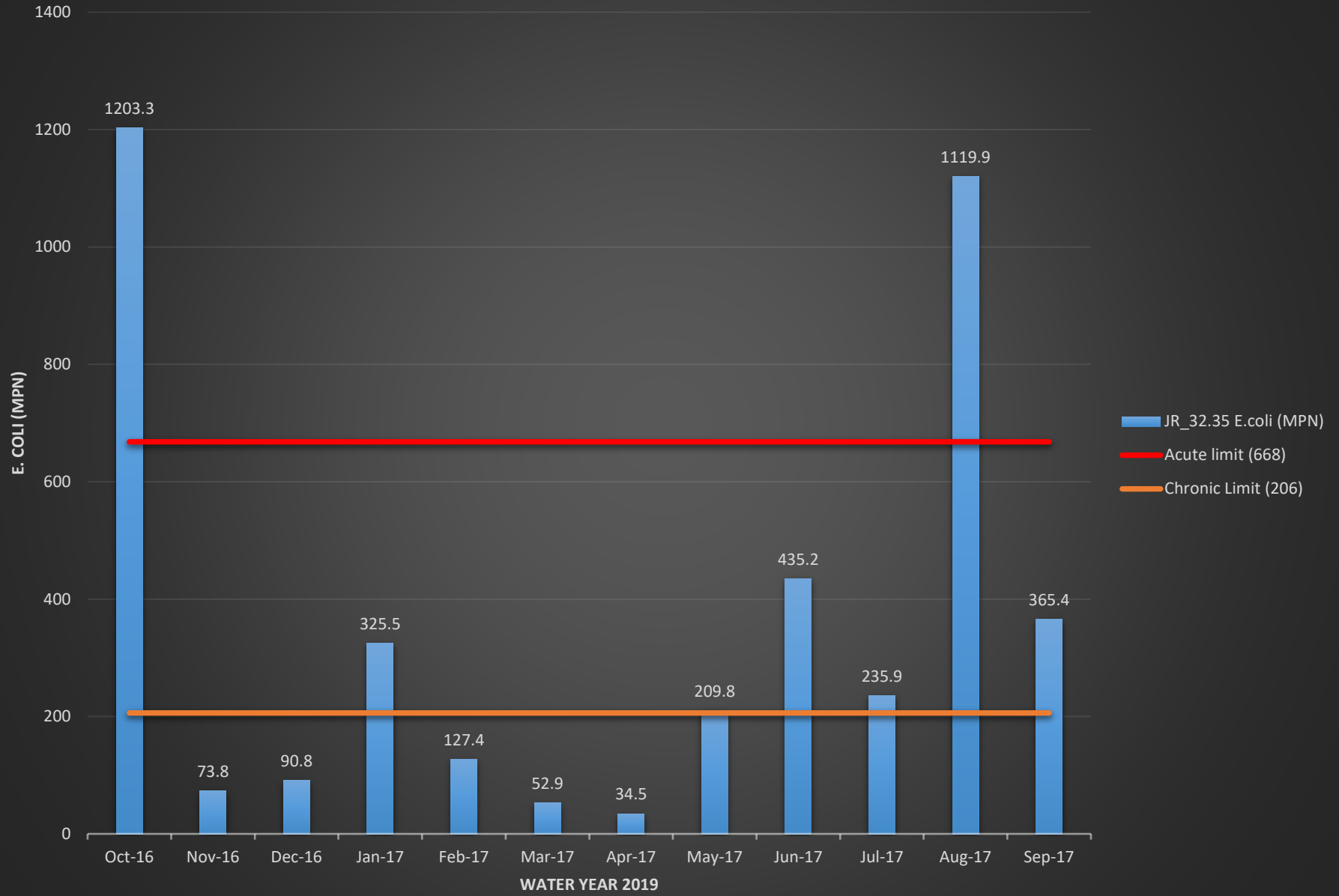
JR_23.34 Conductivity (mS/cm)



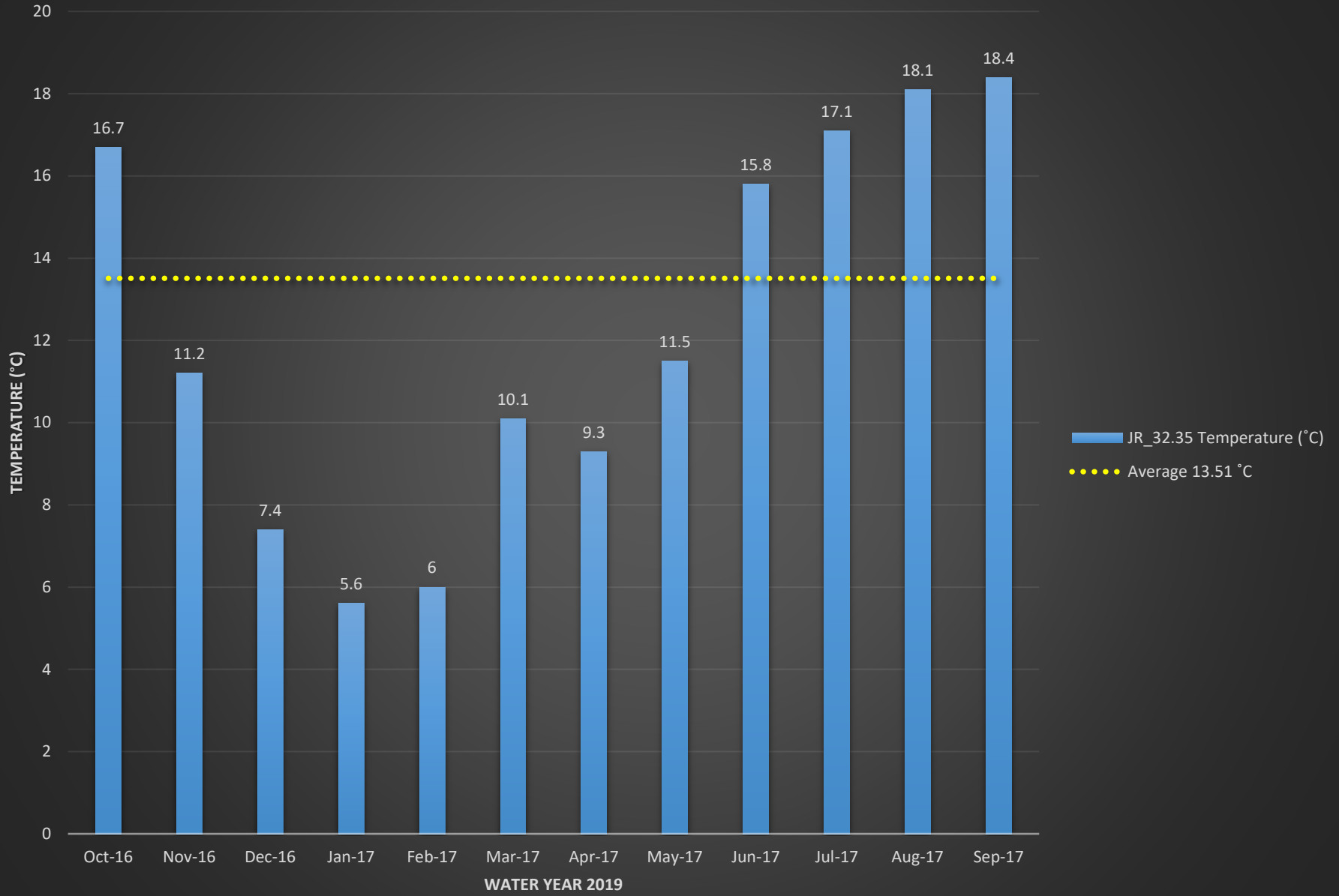
JR_23.34 Turbidity (NTU)



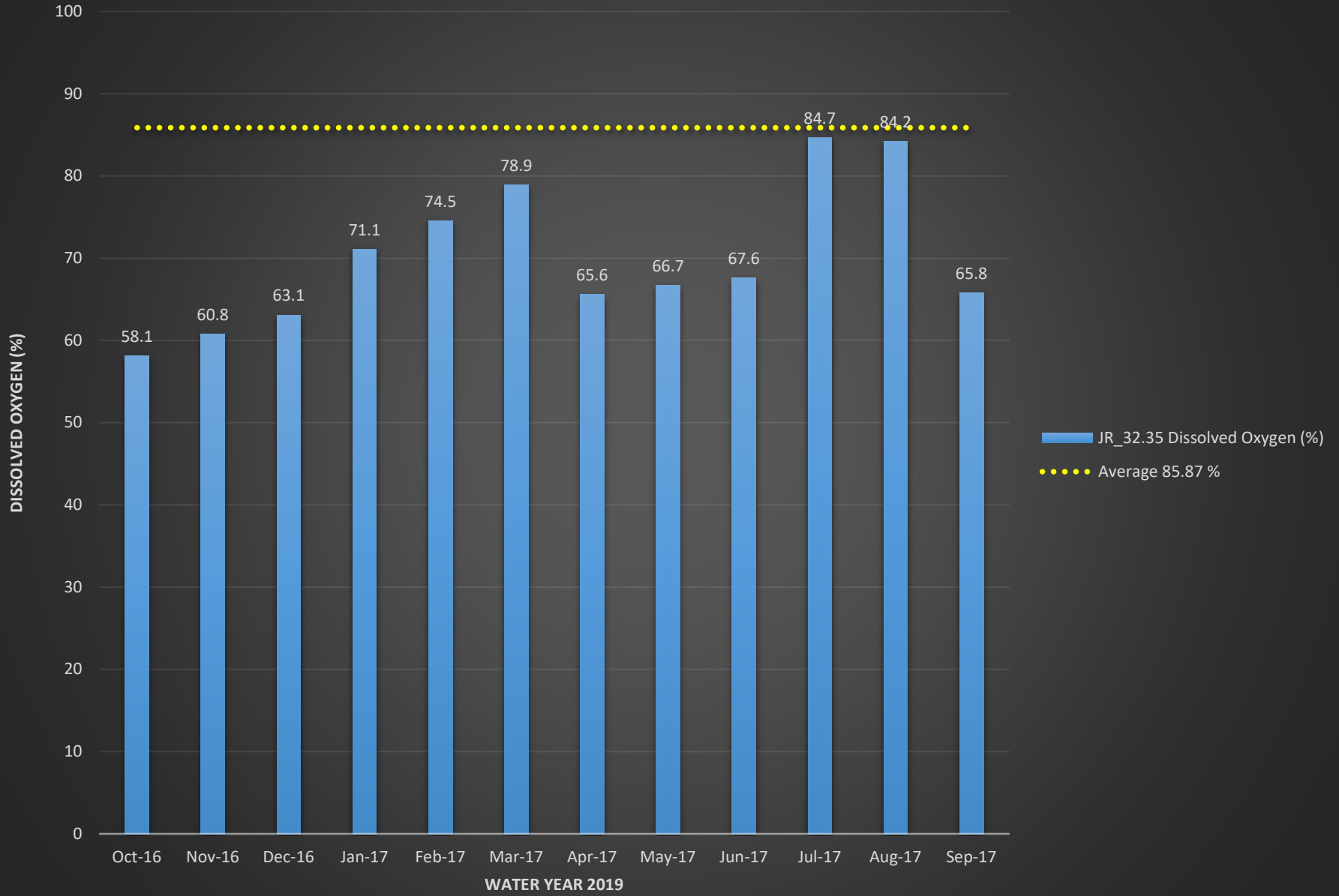
JR_32.35 E.coli (MPN)



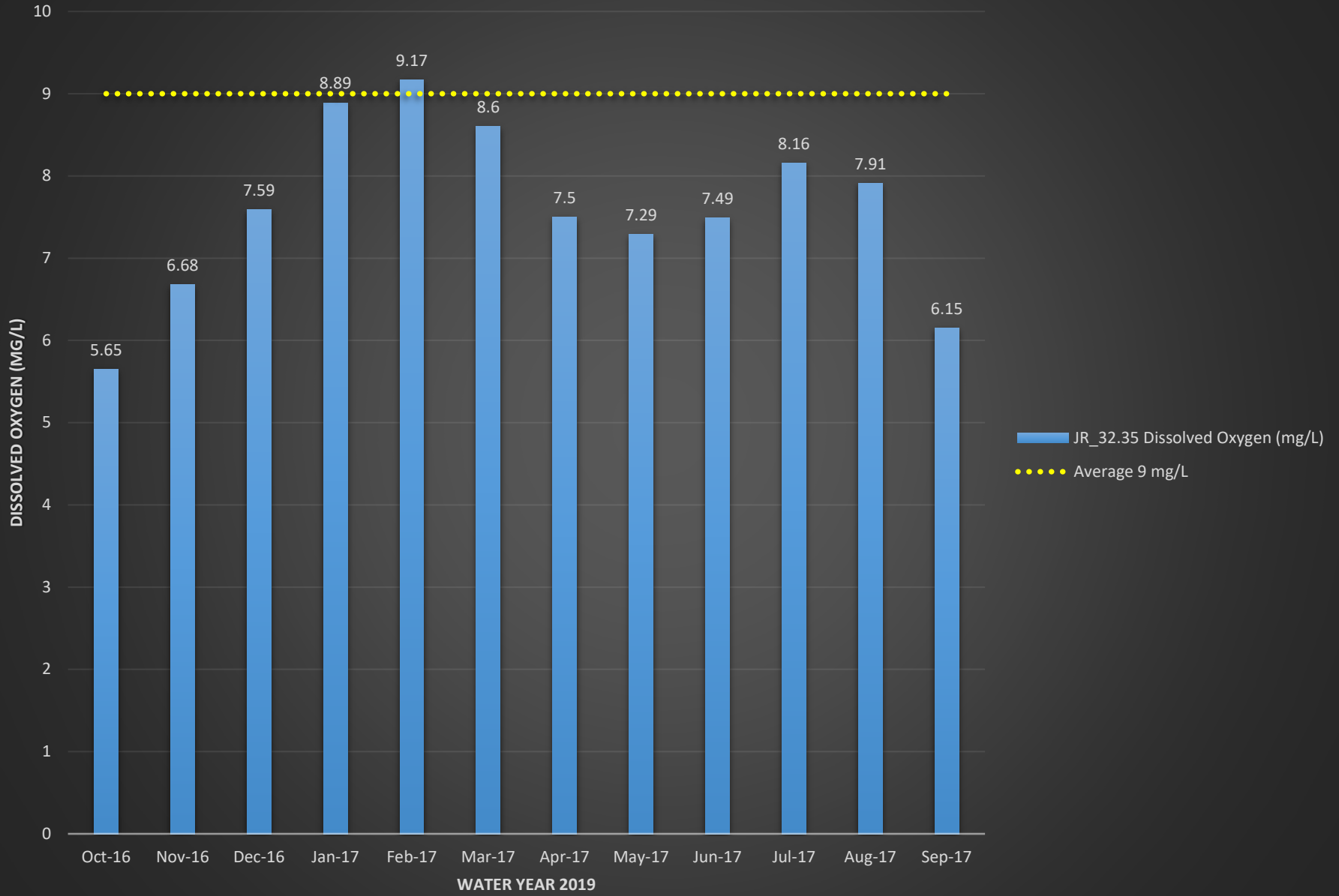
JR_32.35 Temperature (°C)



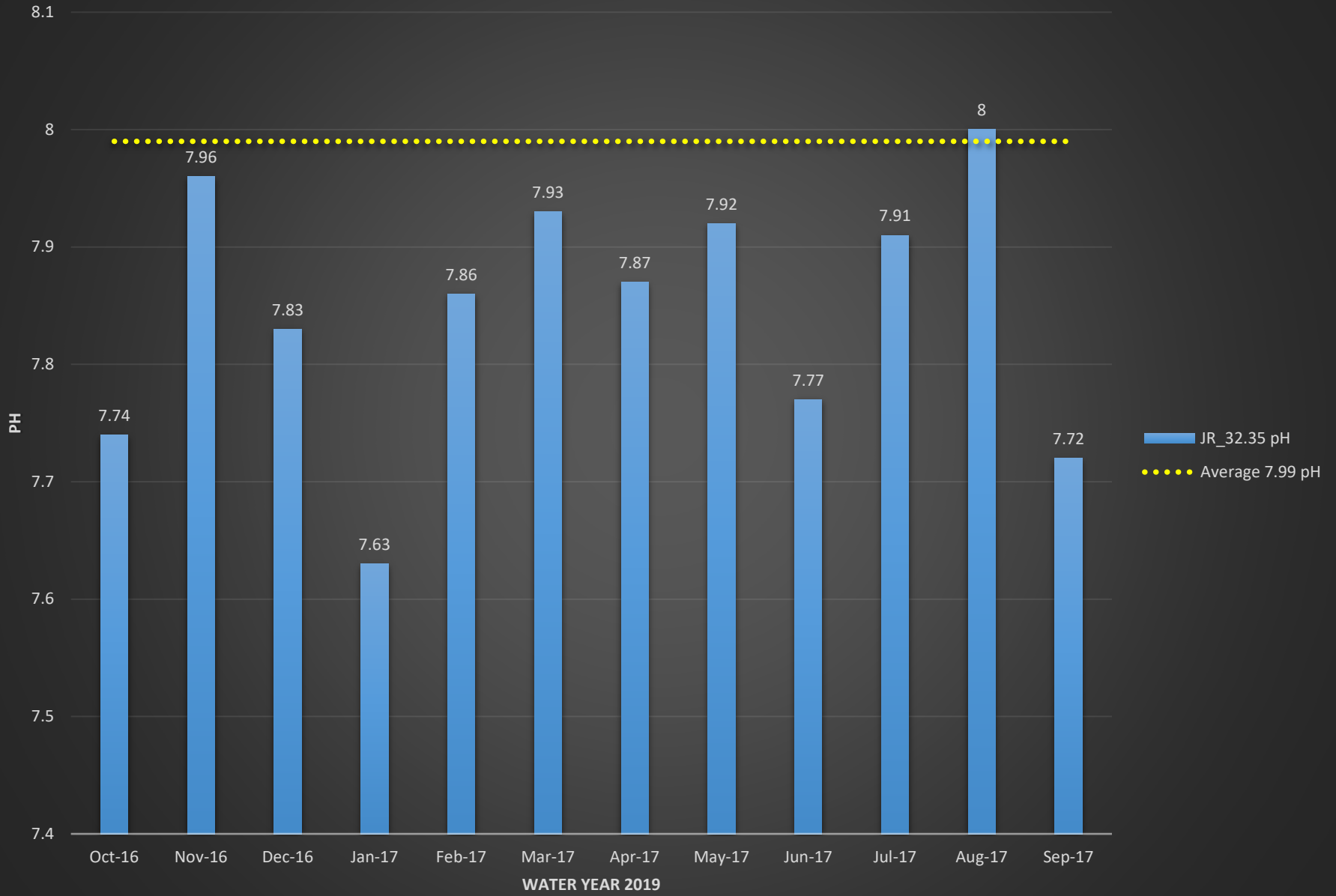
JR_32.35 Dissolved Oxygen (%)



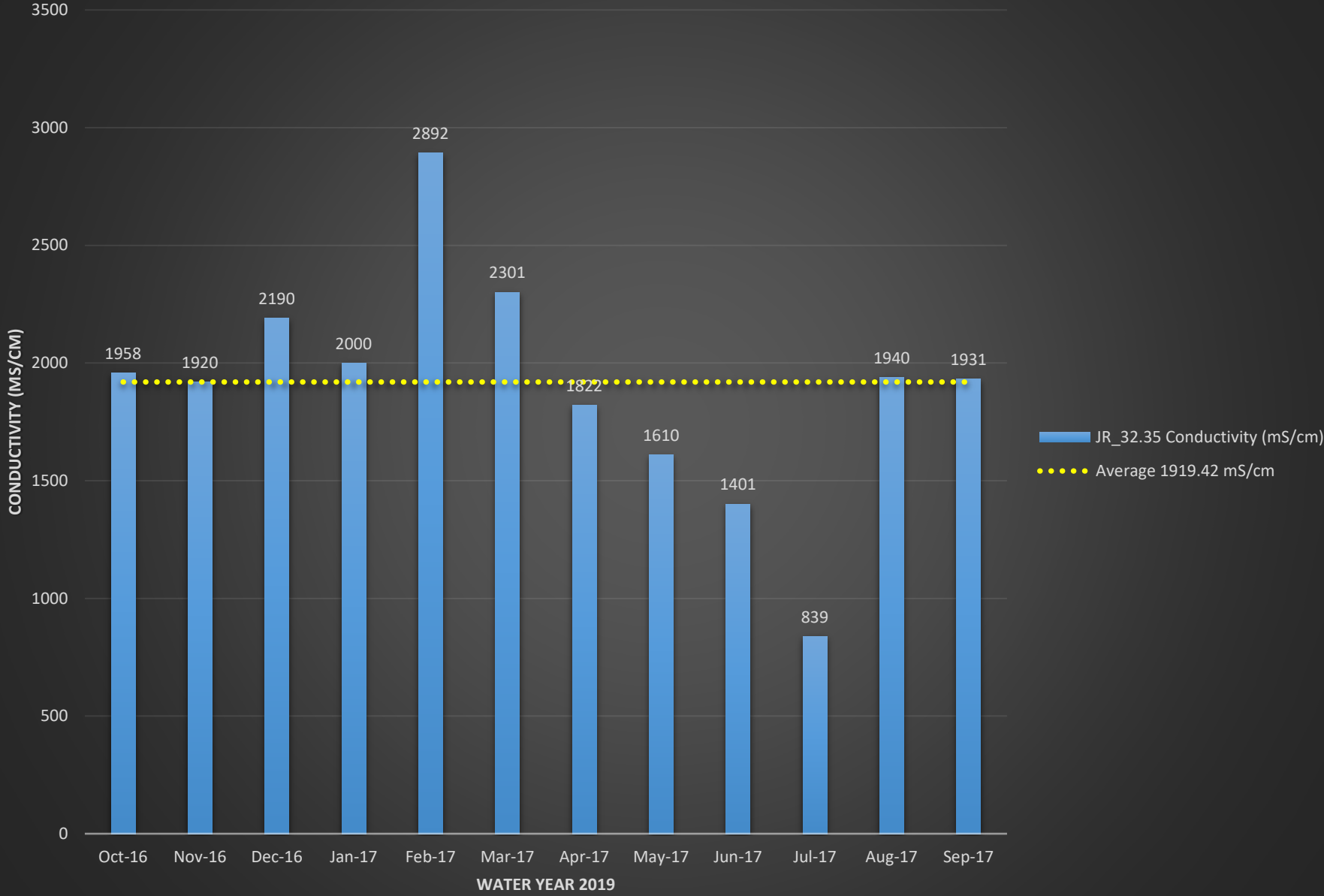
JR_32.35 Dissolved Oxygen (mg/L)



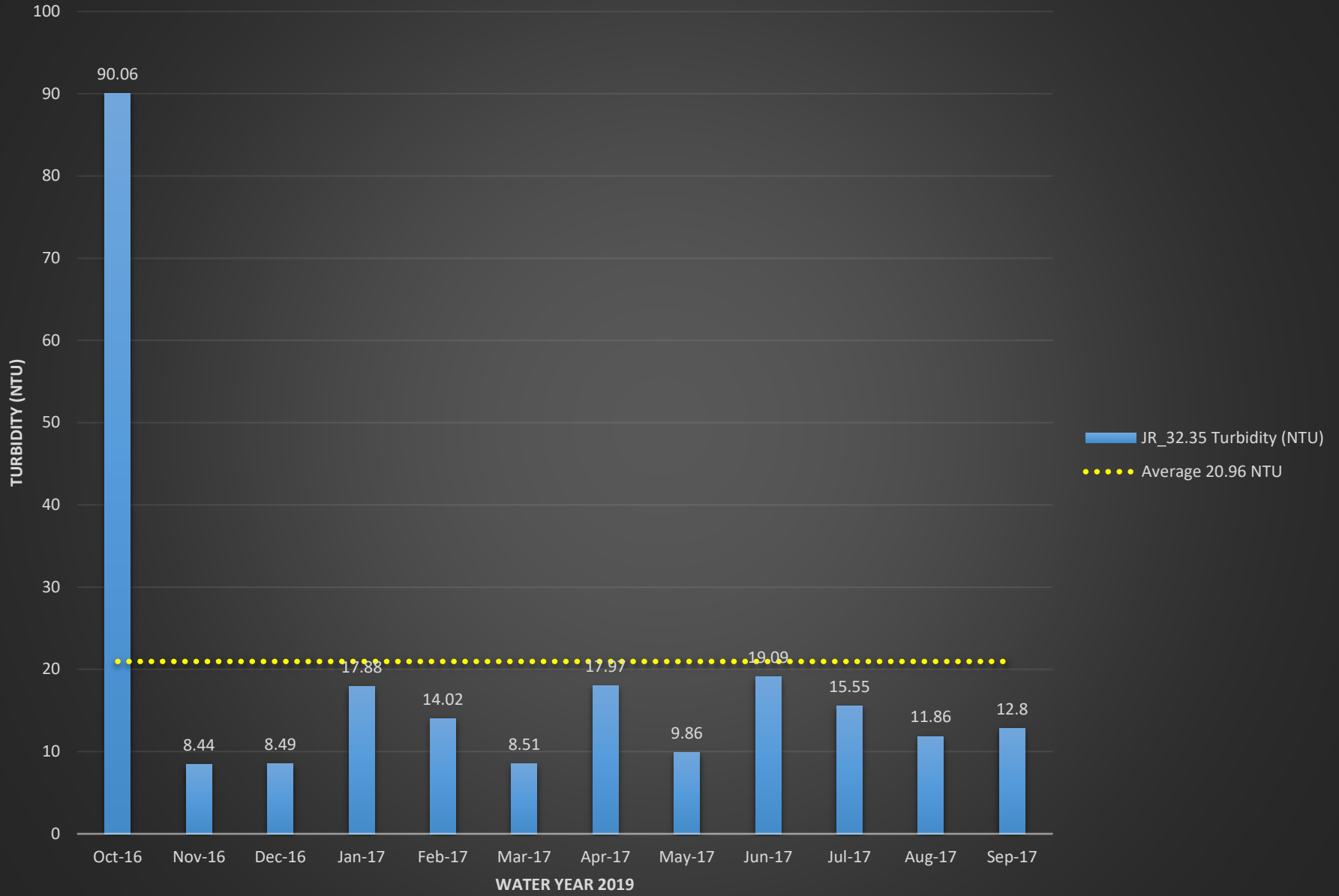
JR_32.35 pH



JR_32.35 Conductivity (mS/cm)

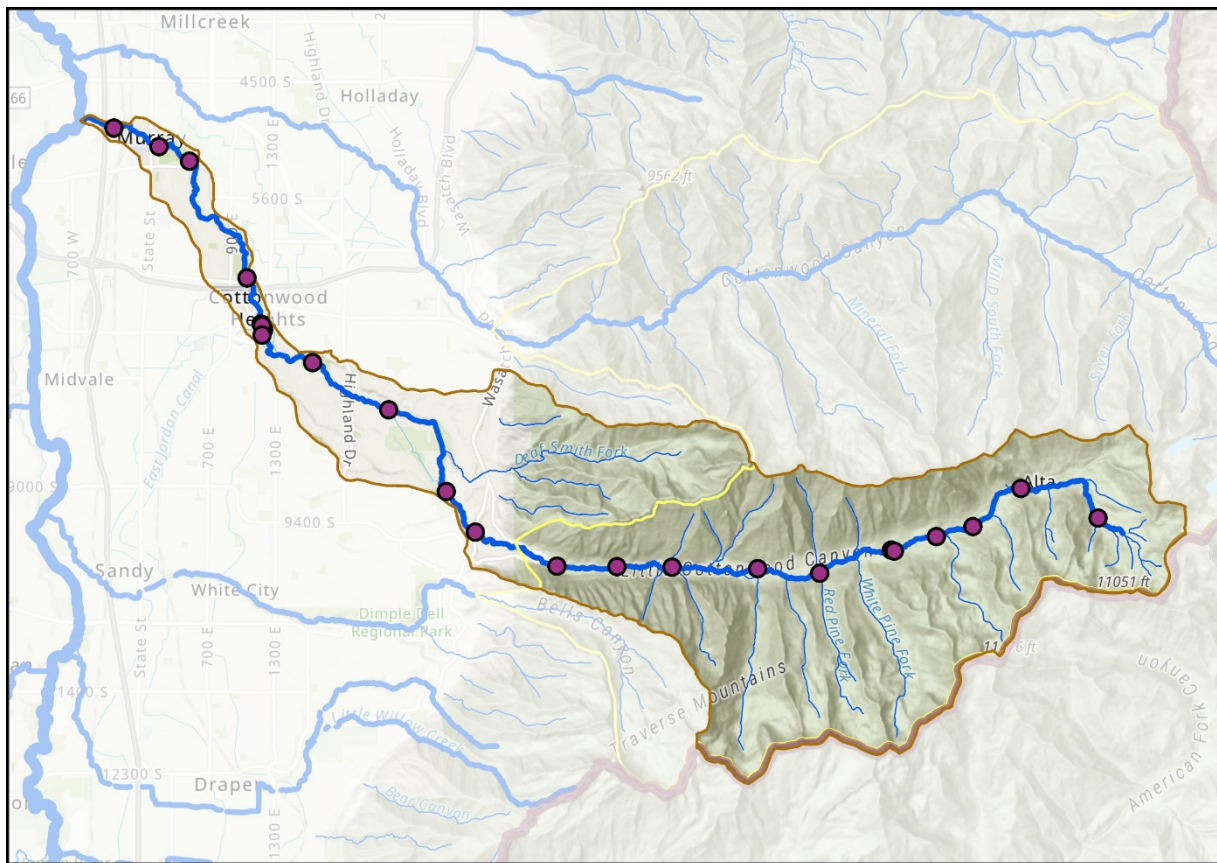


JR_32.35 Turbidity (NTU)



LITTLE COTTONWOOD CREEK SUBWATERSHED

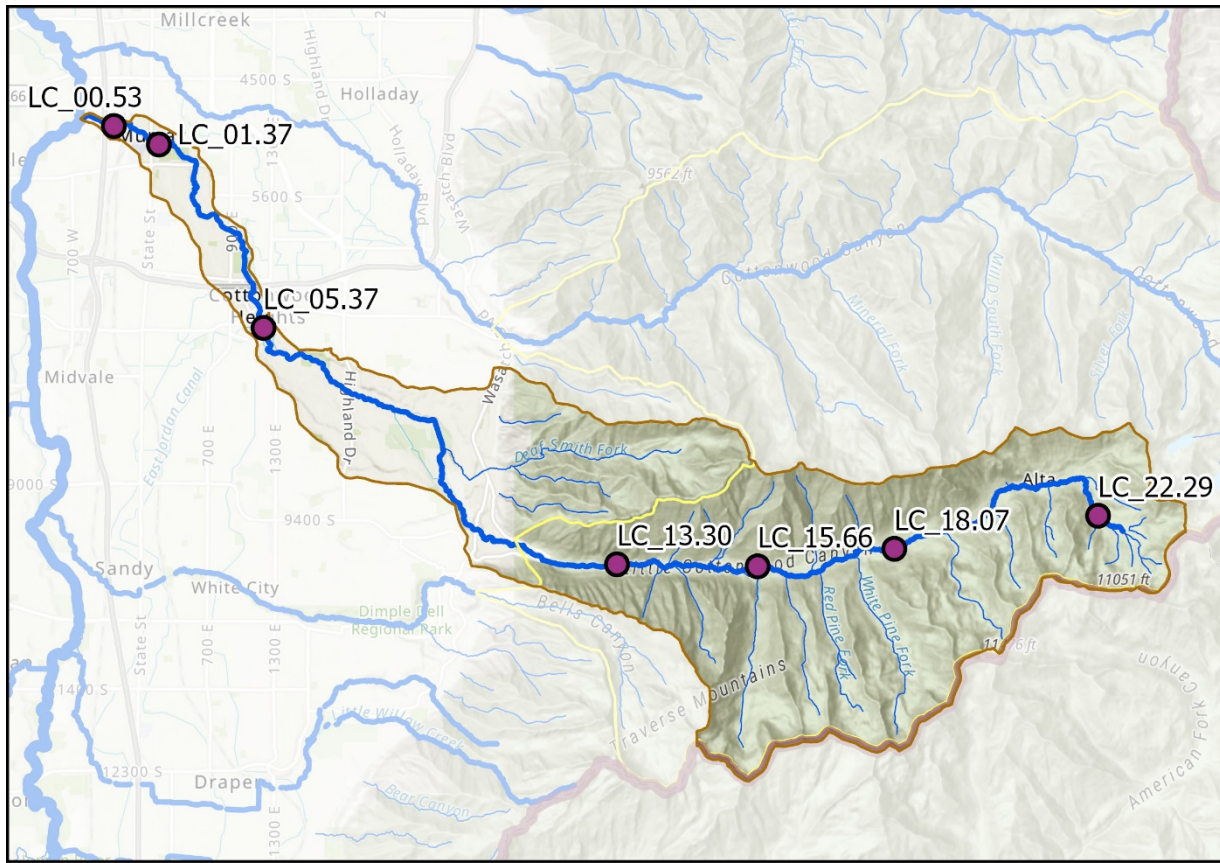
Subwatershed Map with All Sample Sites



- 2019 Sample Locations
- Salt Lake County Boundary
- SLC Drinking Water Source Protection Area
- Tributary
- Creek
- River



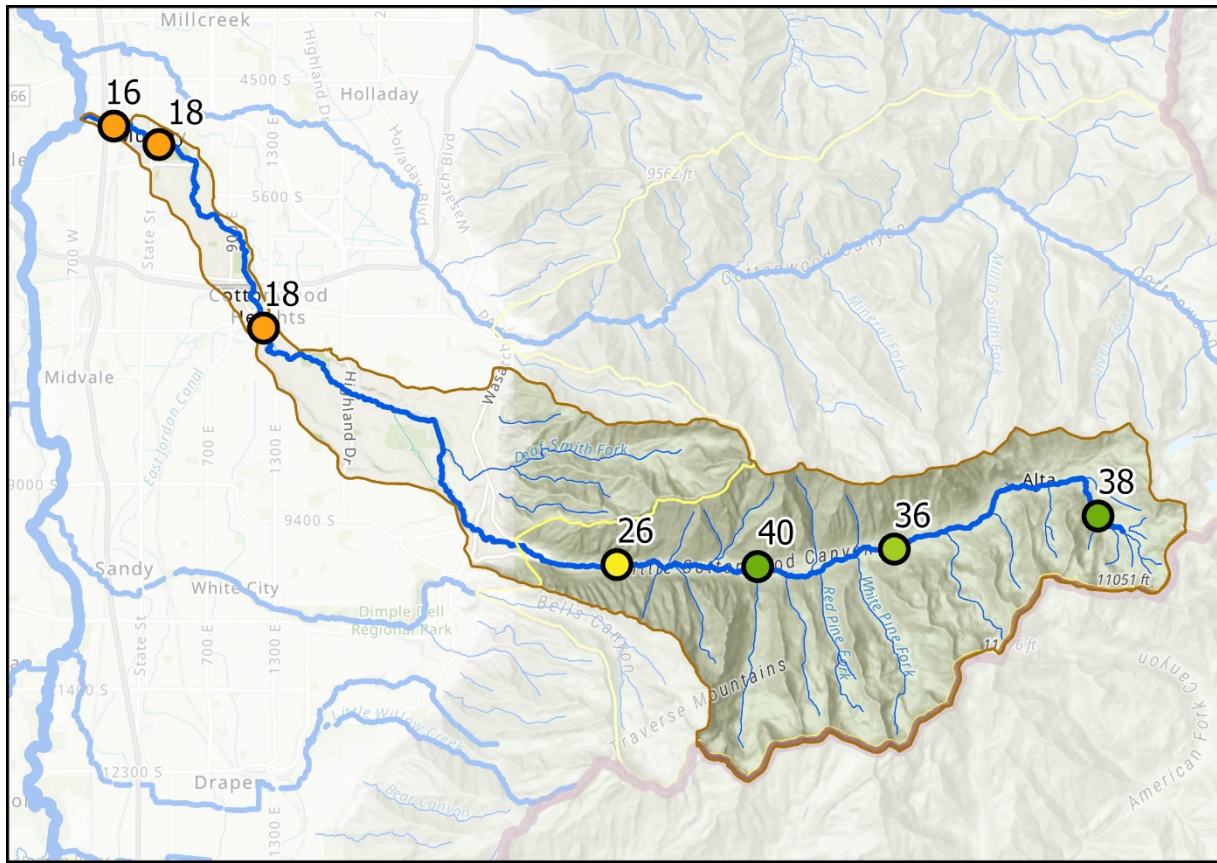
Subwatershed Map with Macroinvertebrate Sample Sites



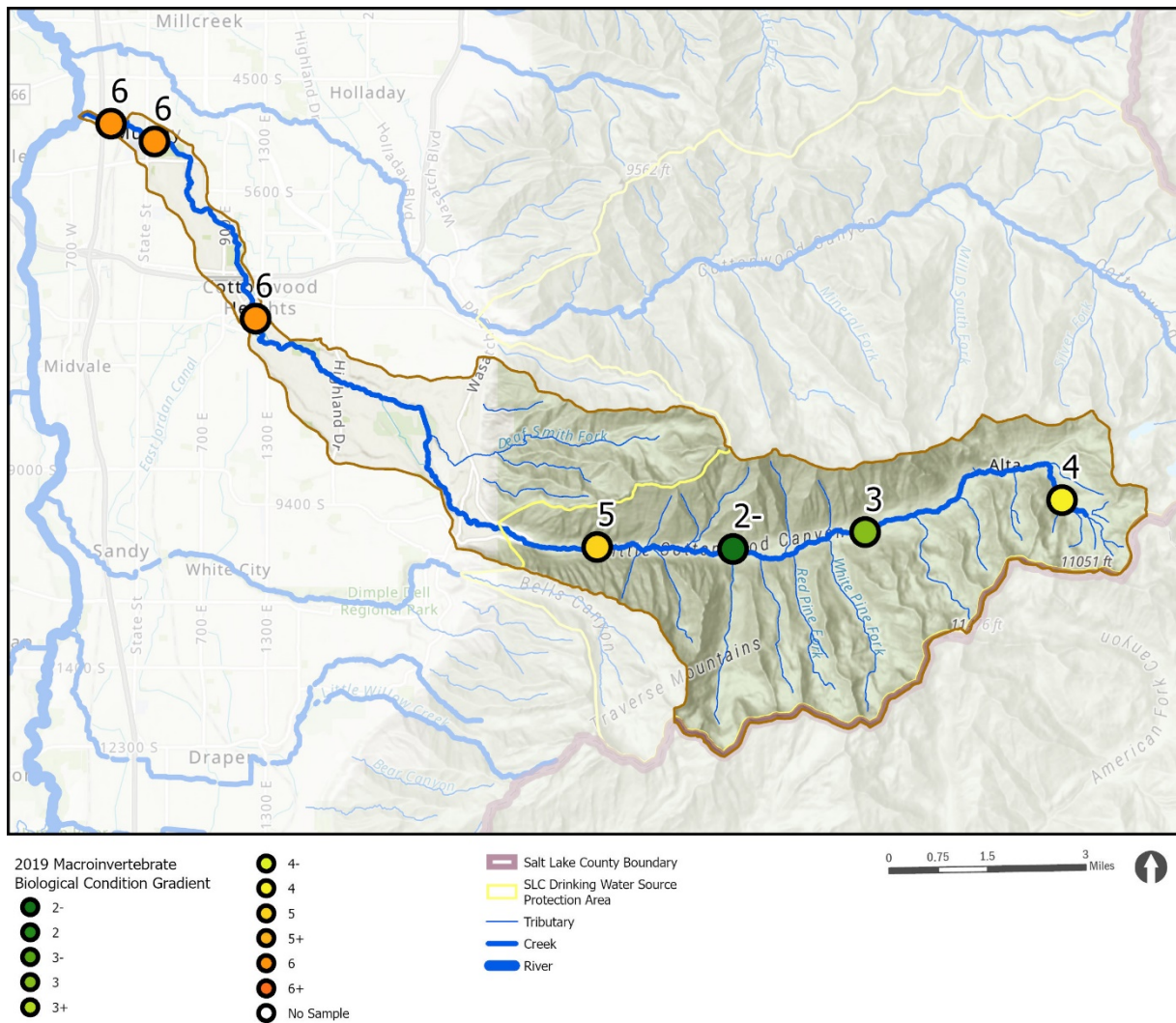
- 2019 Macroinvertebrate Sample Locations
- Salt Lake County Boundary
- SLC Drinking Water Source Protection Area
- Tributary
- Creek
- River



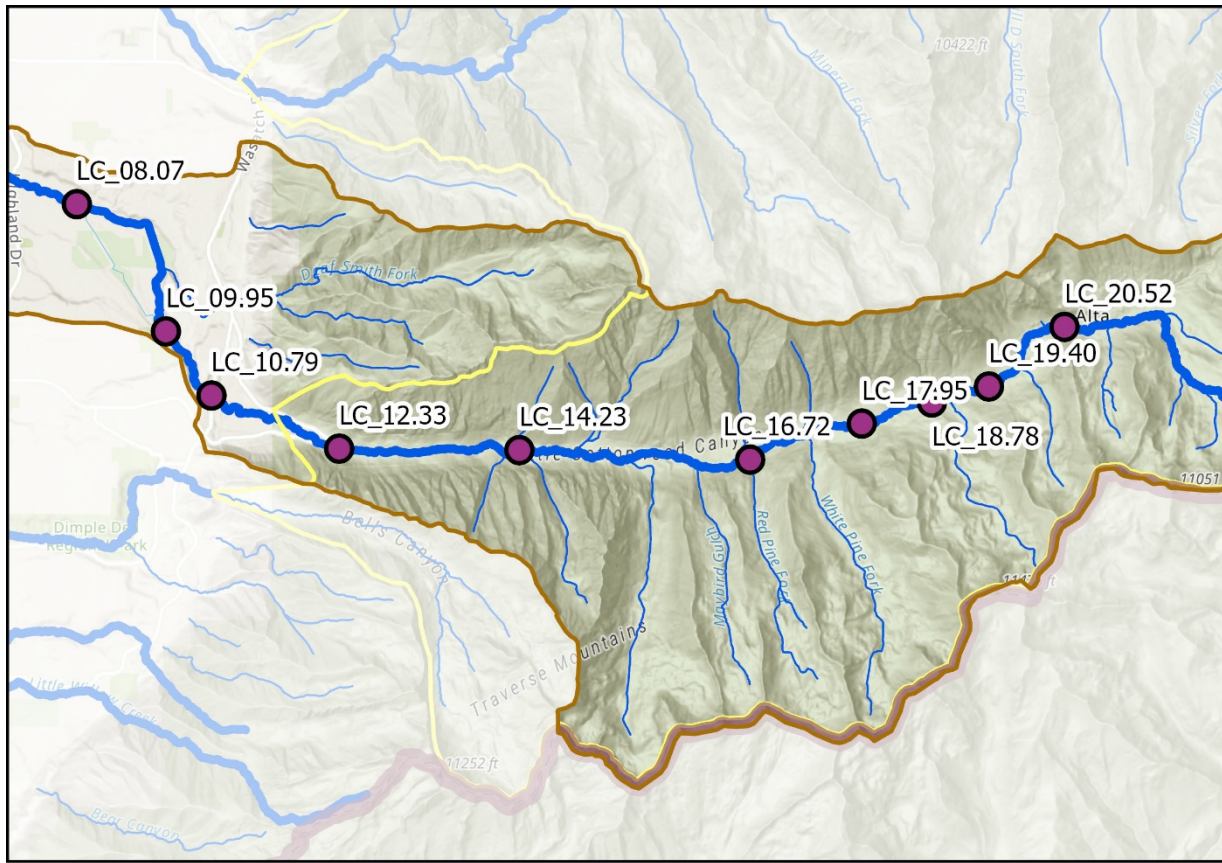
Macroinvertebrate Karr-BIBI Results



Macroinvertebrate Biological Condition Gradient (BCG) Results



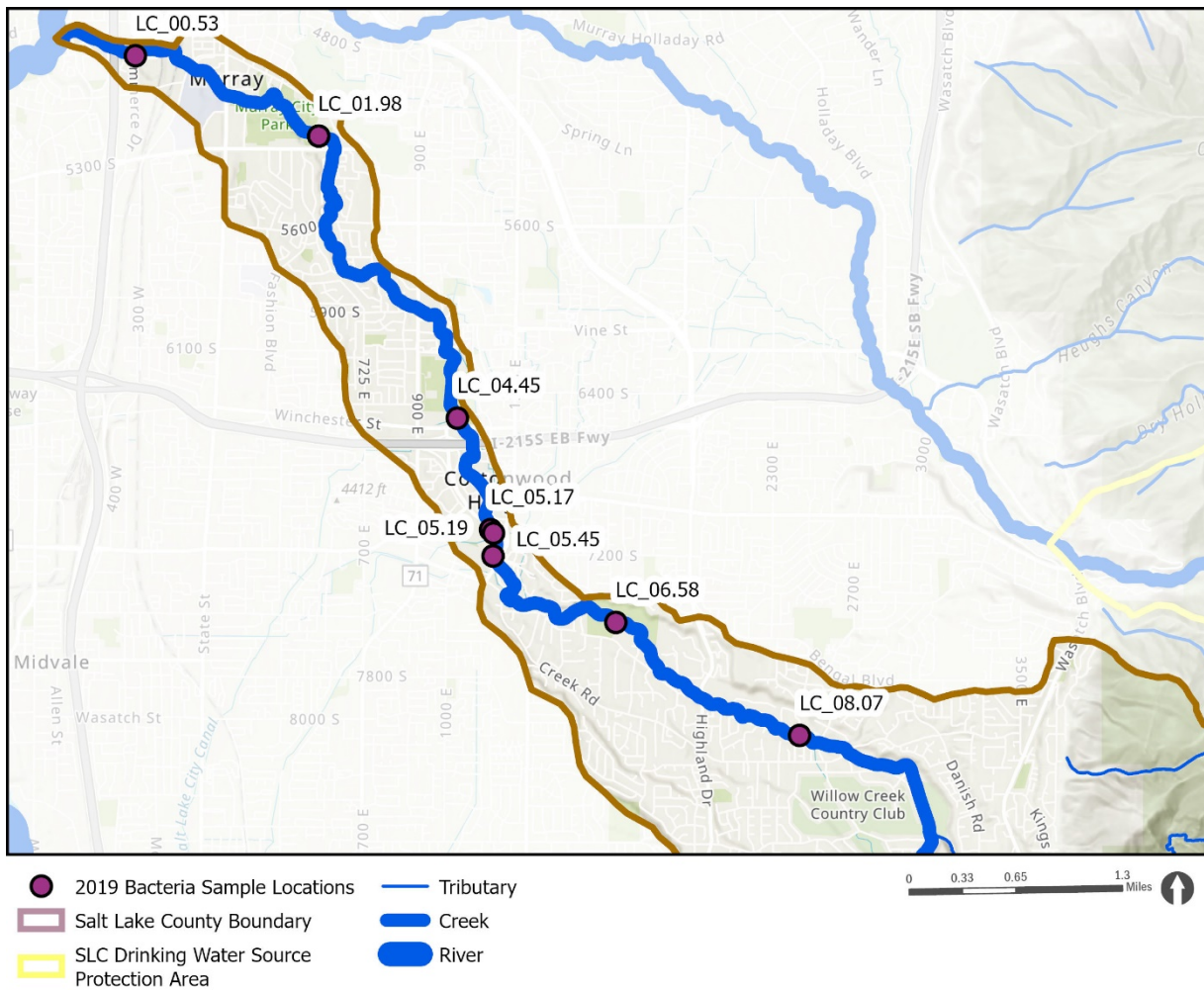
Subwatershed Map with Bacteria Sample Sites (upper)



- 2019 Bacteria Sample Locations
- Salt Lake County Boundary
- SLC Drinking Water Source Protection Area
- Tributary
- Creek
- River



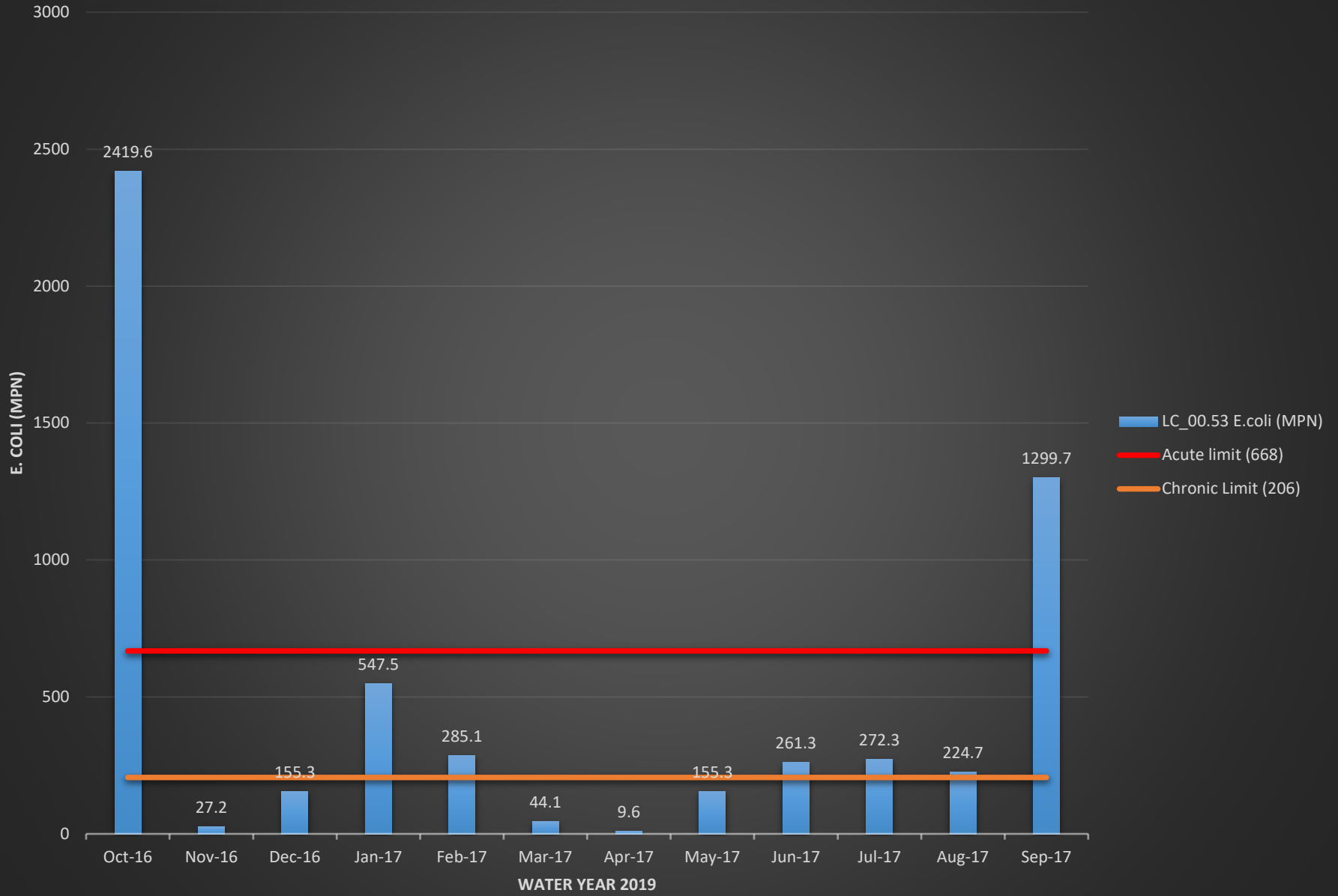
Subwatershed Map with Bacteria Sample Sites (lower)



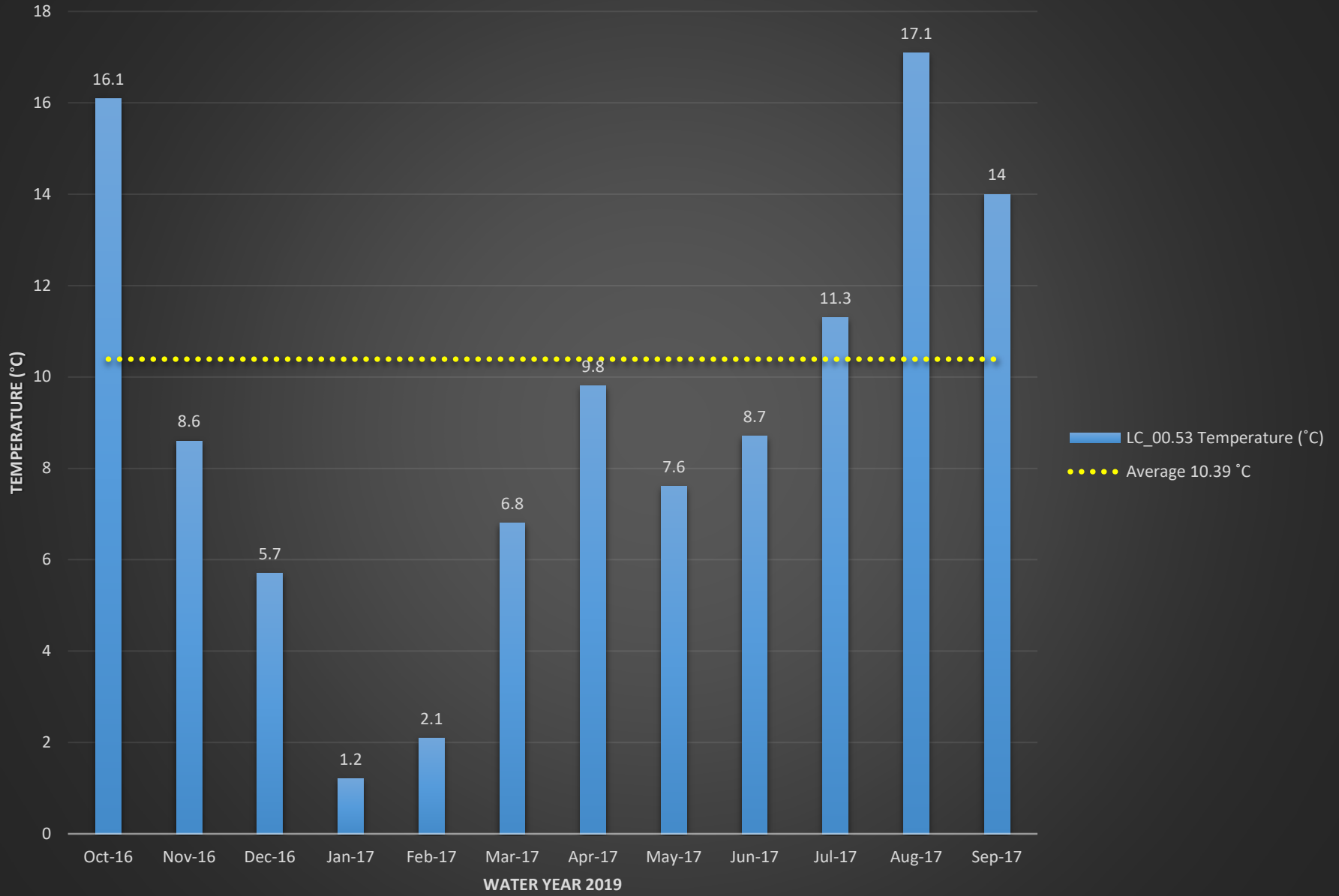
E.coli & Field Parameter Graphs

Graphs begin on next page...

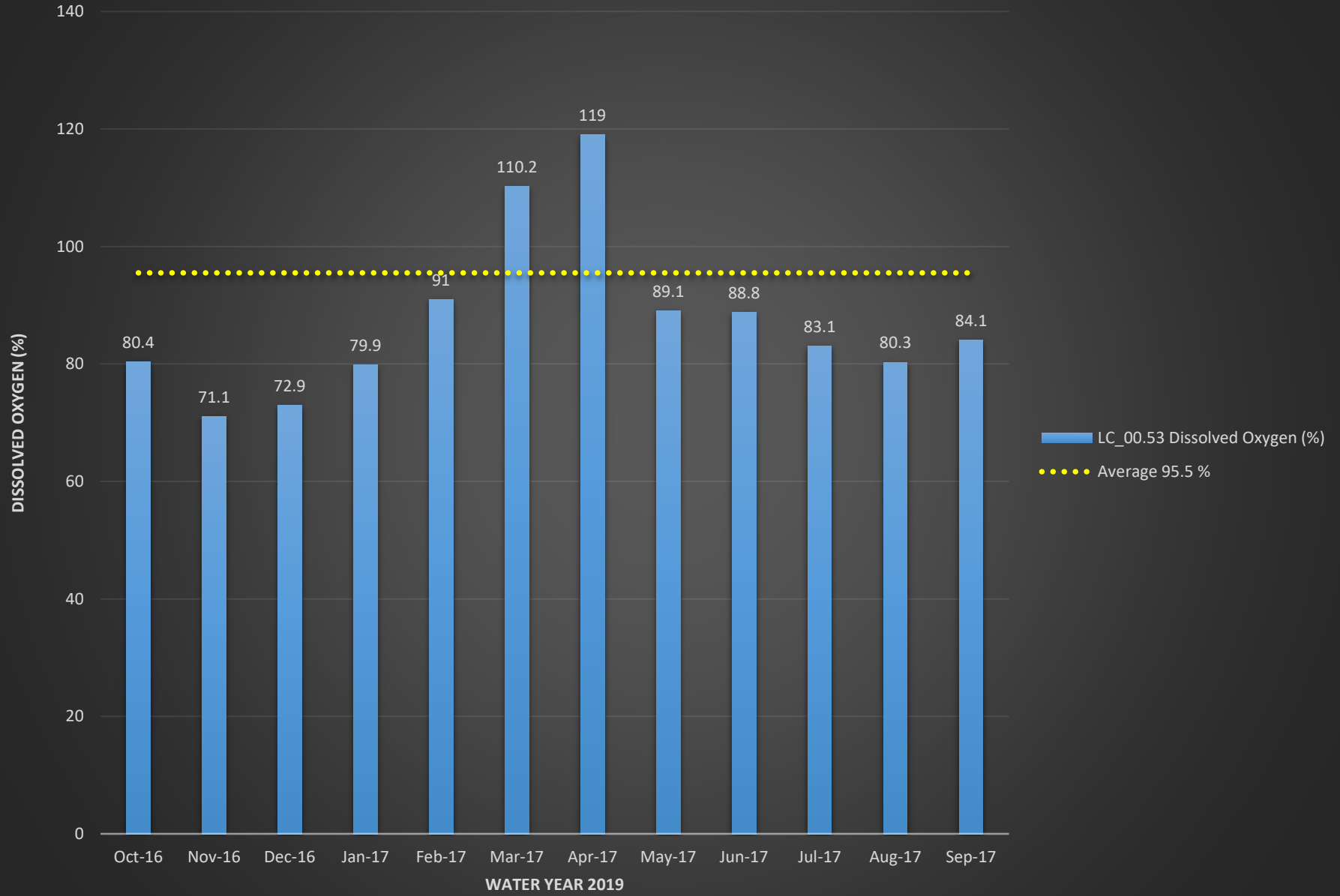
LC_00.53 E.coli (MPN)



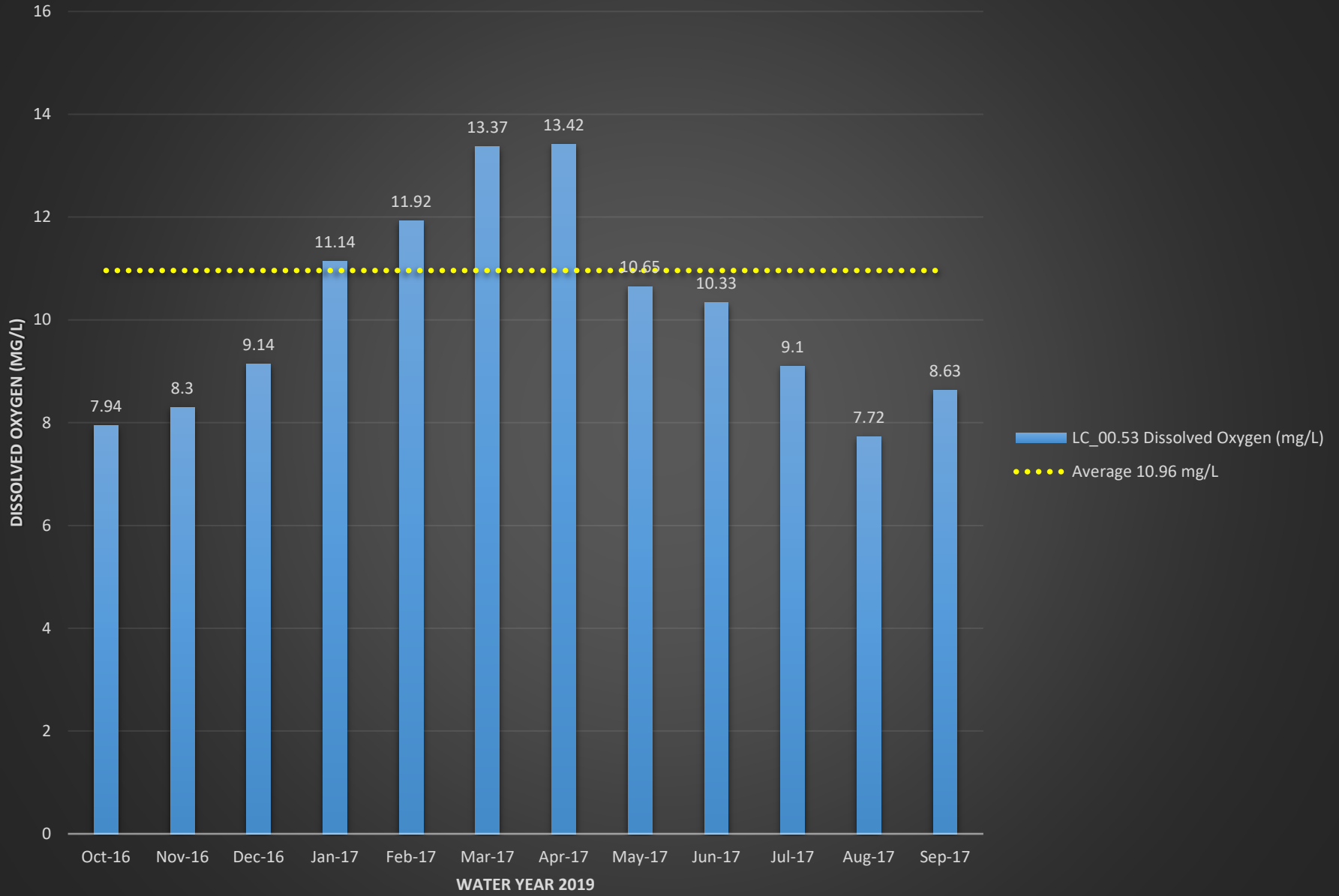
LC_00.53 Temperature (°C)



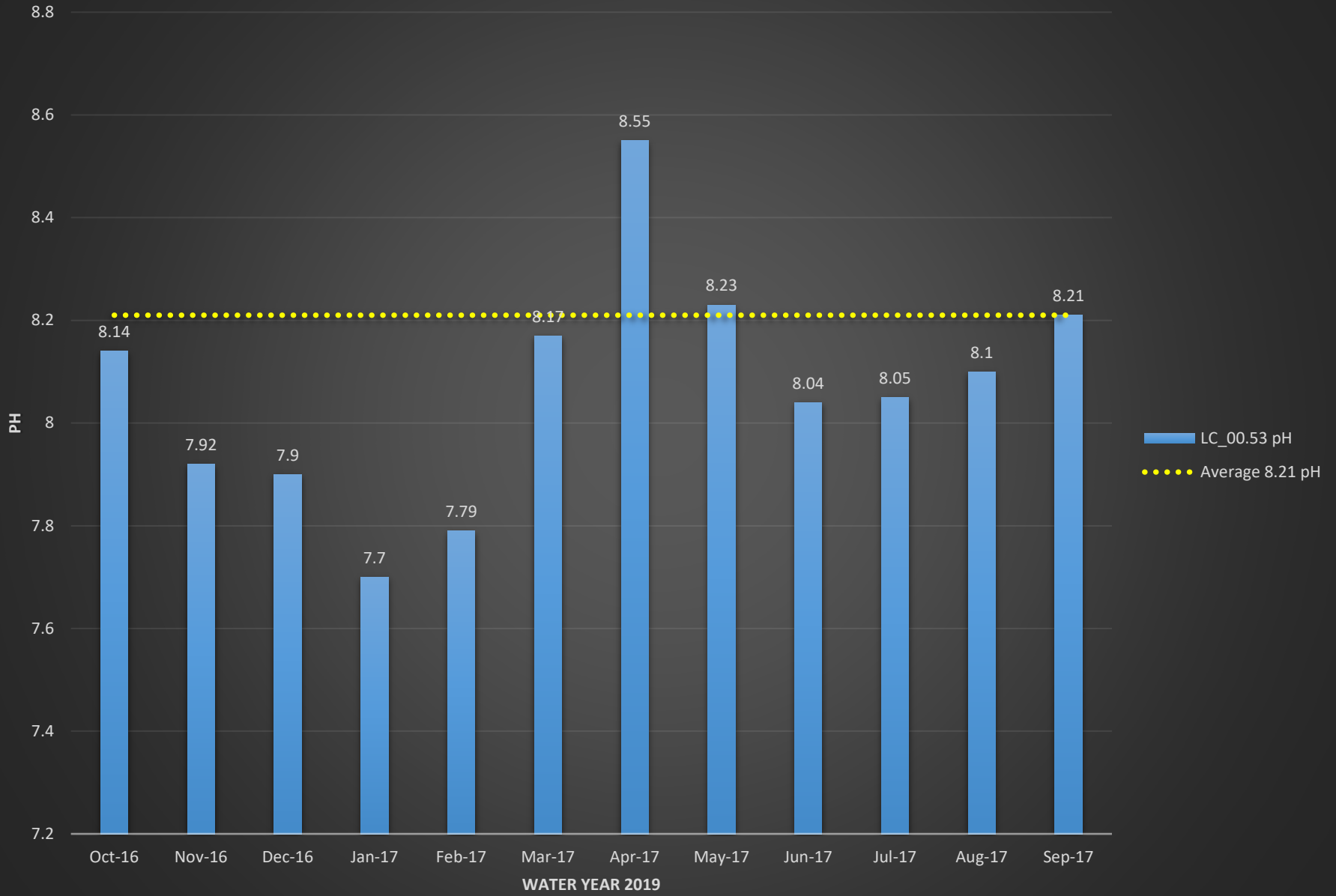
LC_00.53 Dissolved Oxygen (%)



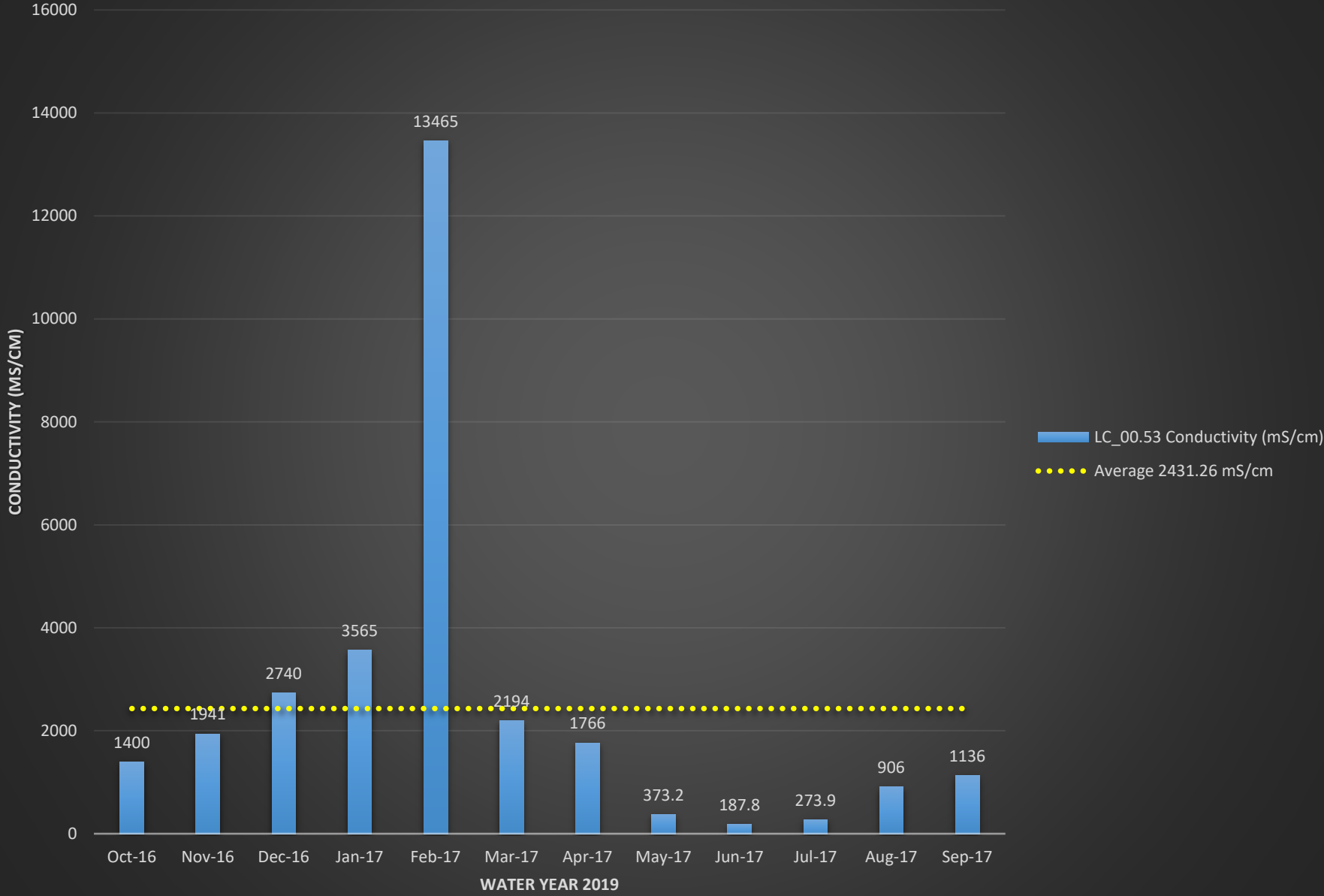
LC_00.53 Dissolved Oxygen (mg/L)



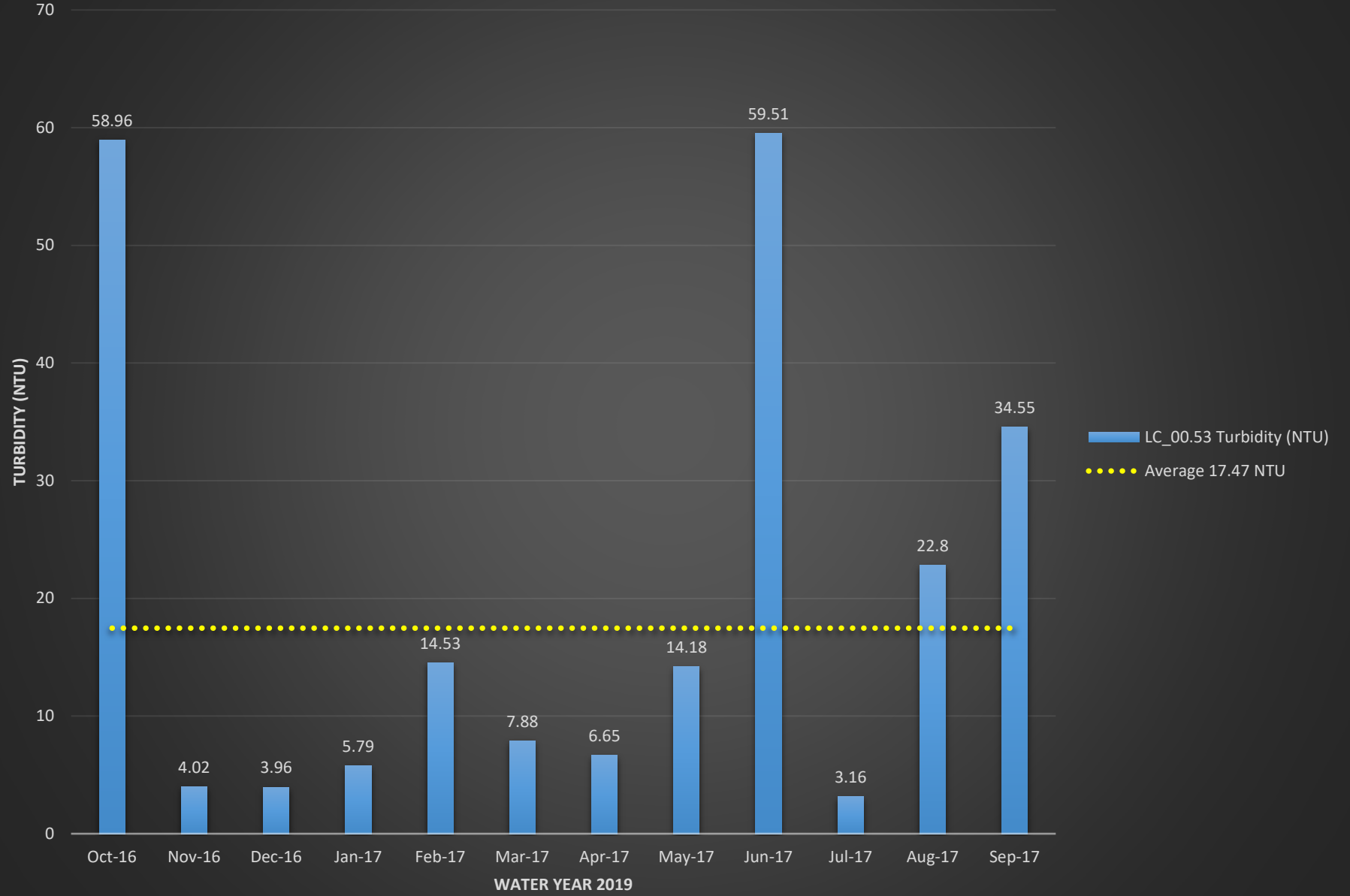
LC_00.53 pH



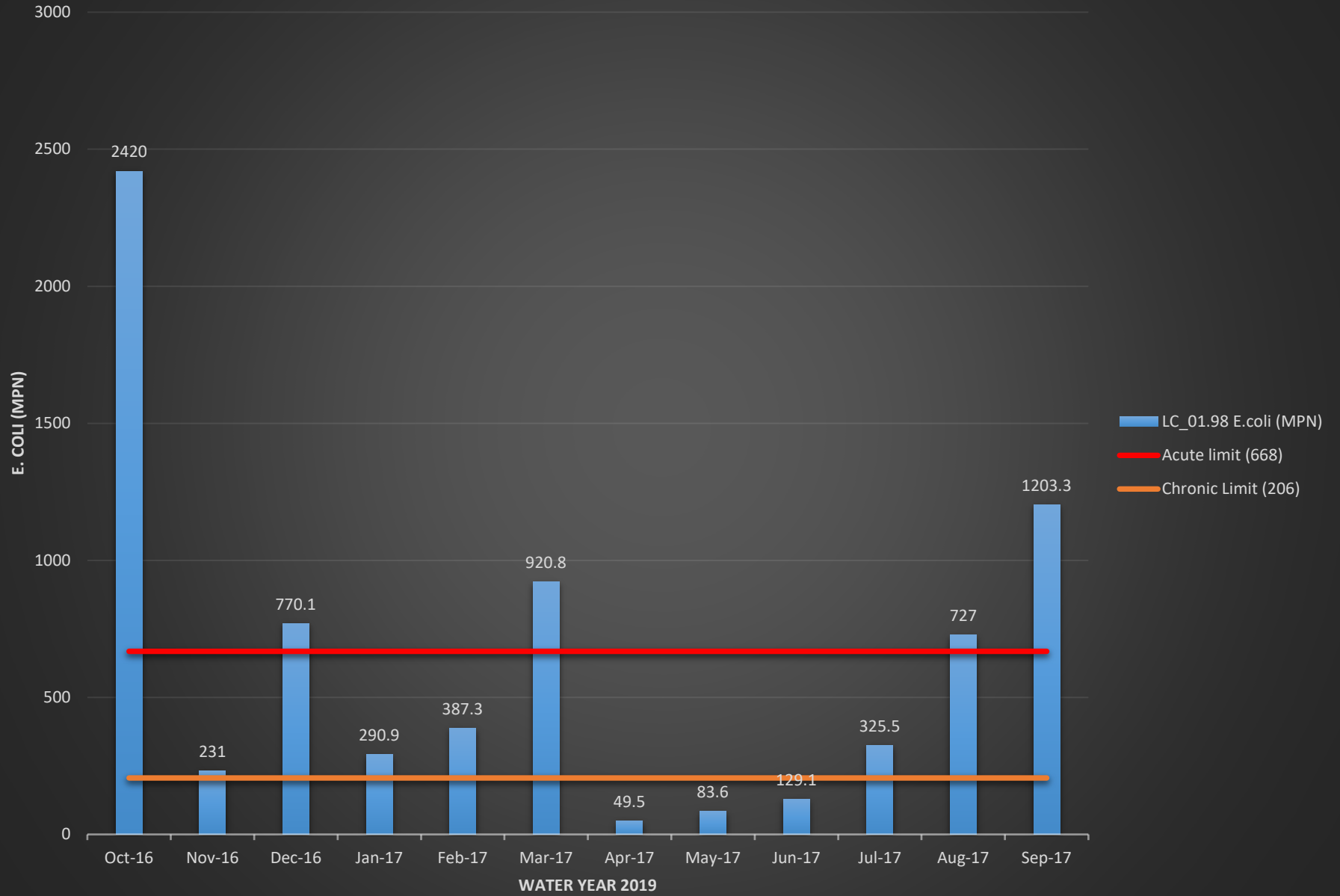
LC_00.53 Conductivity (mS/cm)



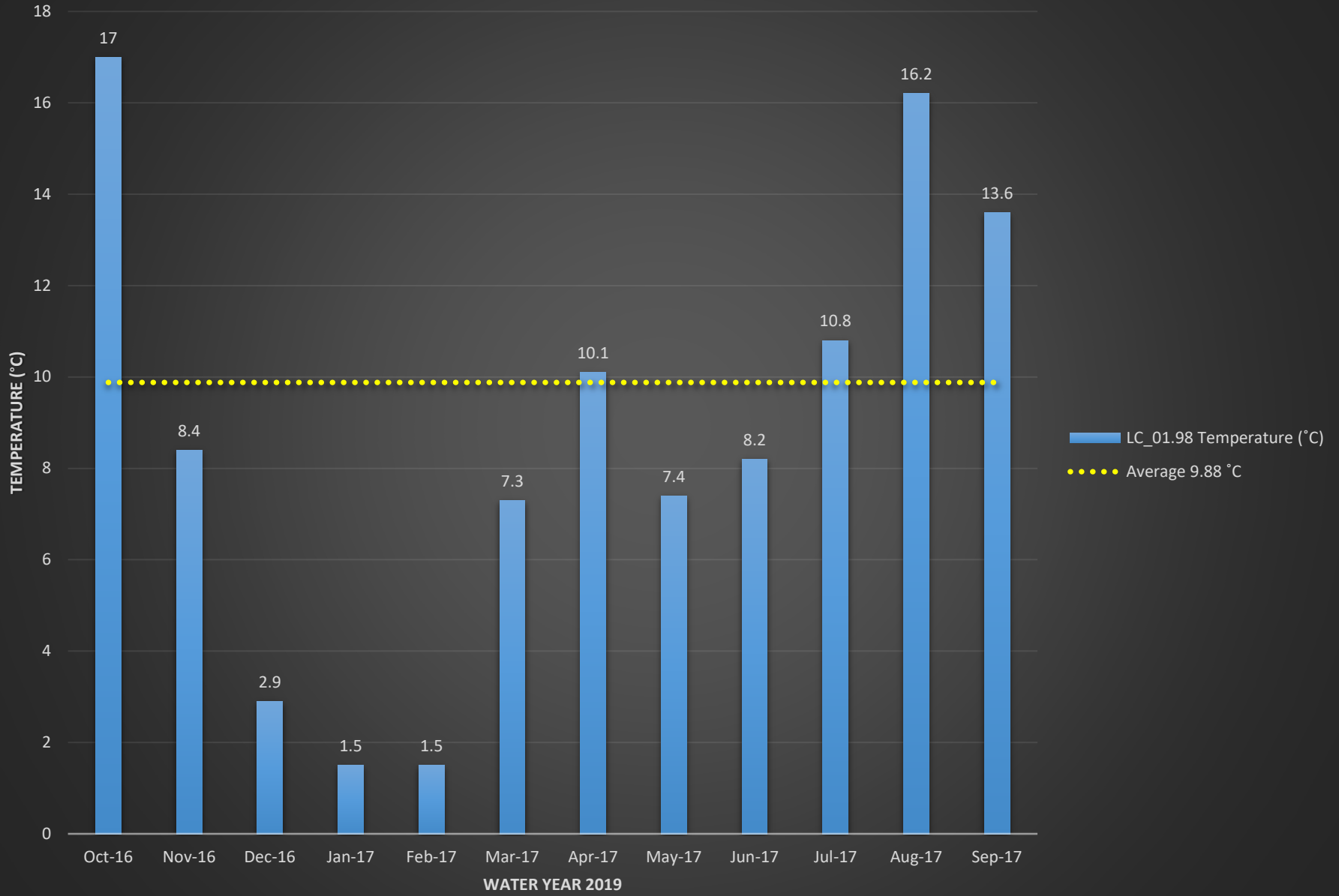
LC_00.53 Turbidity (NTU)



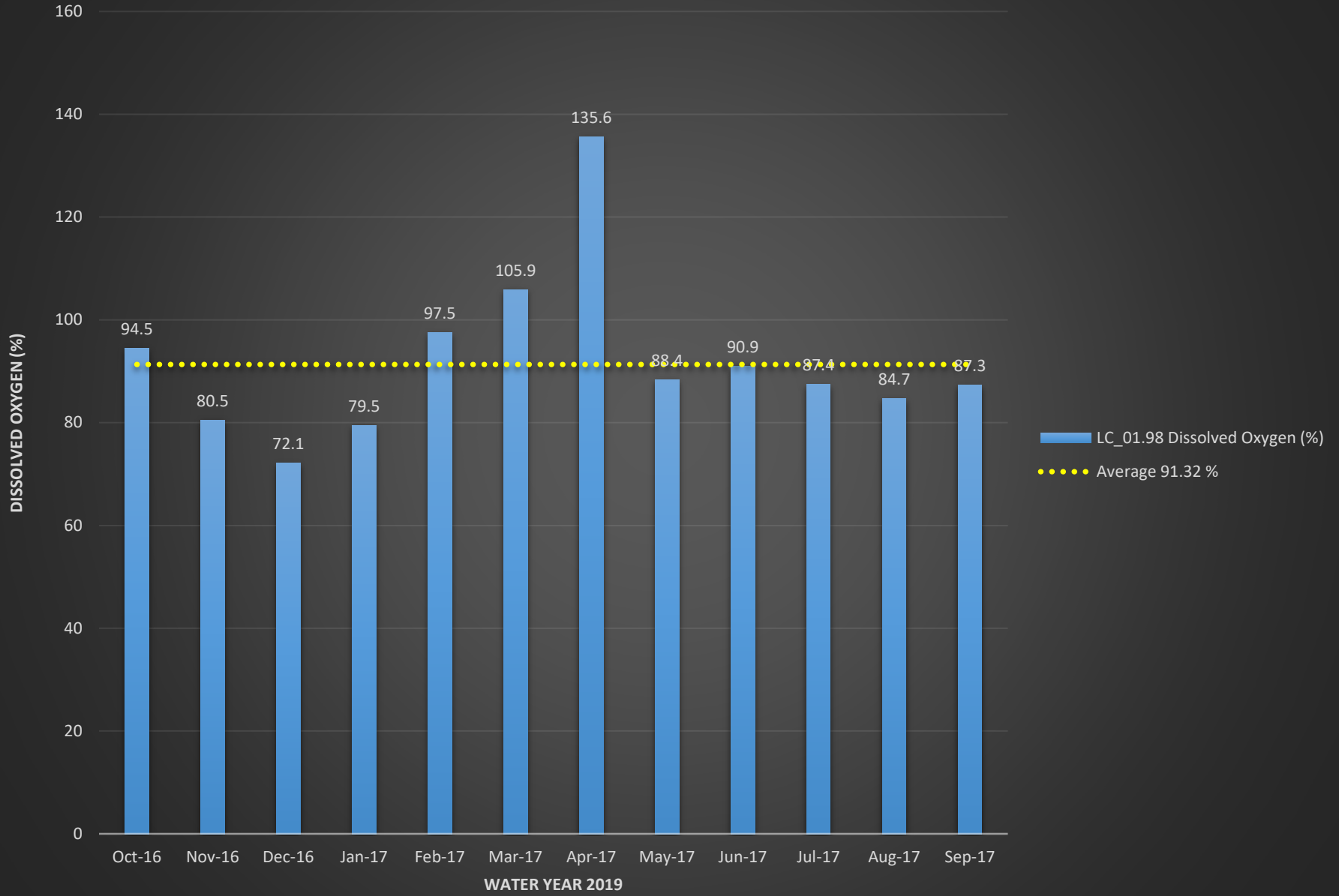
LC_01.98 E.coli (MPN)



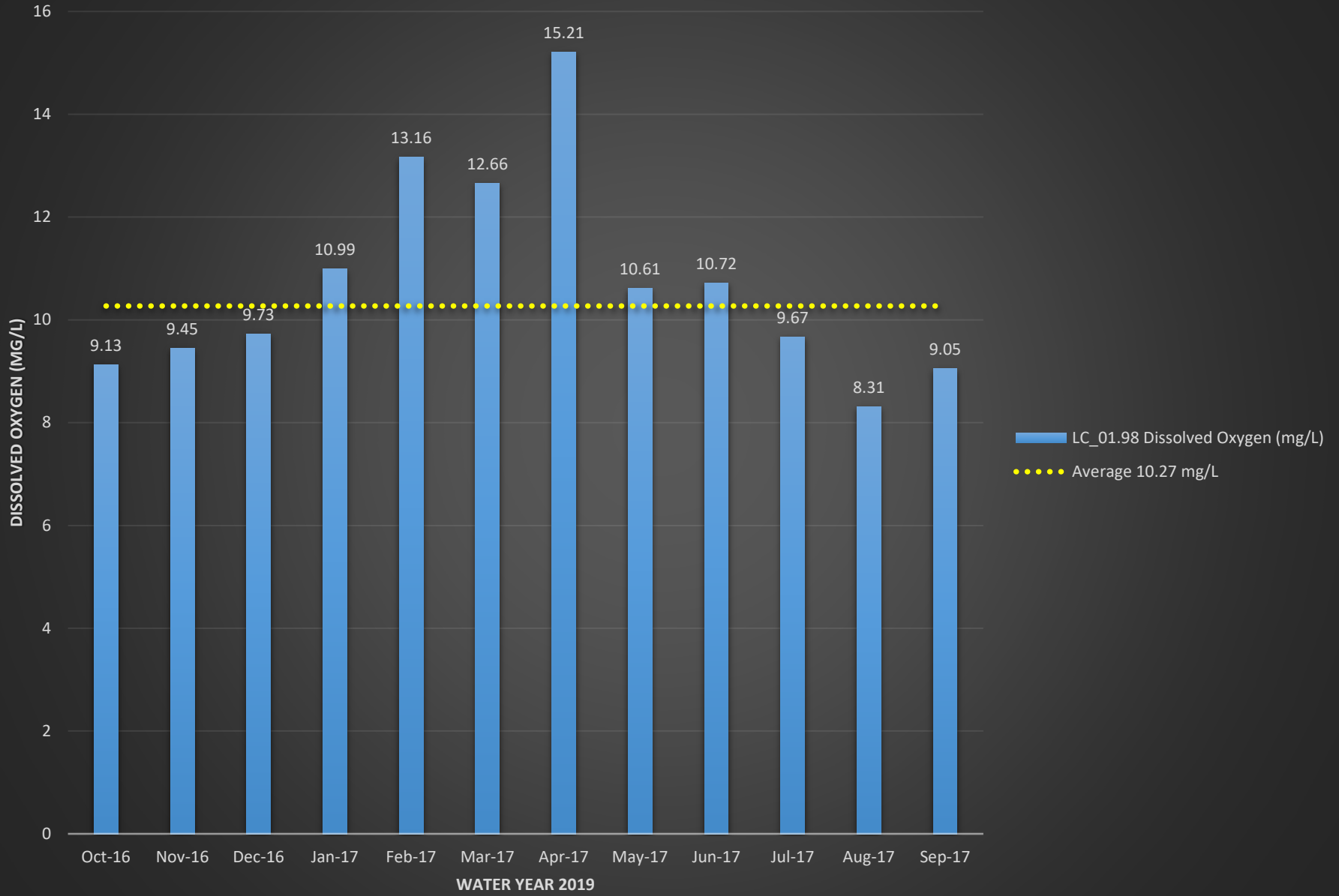
LC_01.98 Temperature (°C)



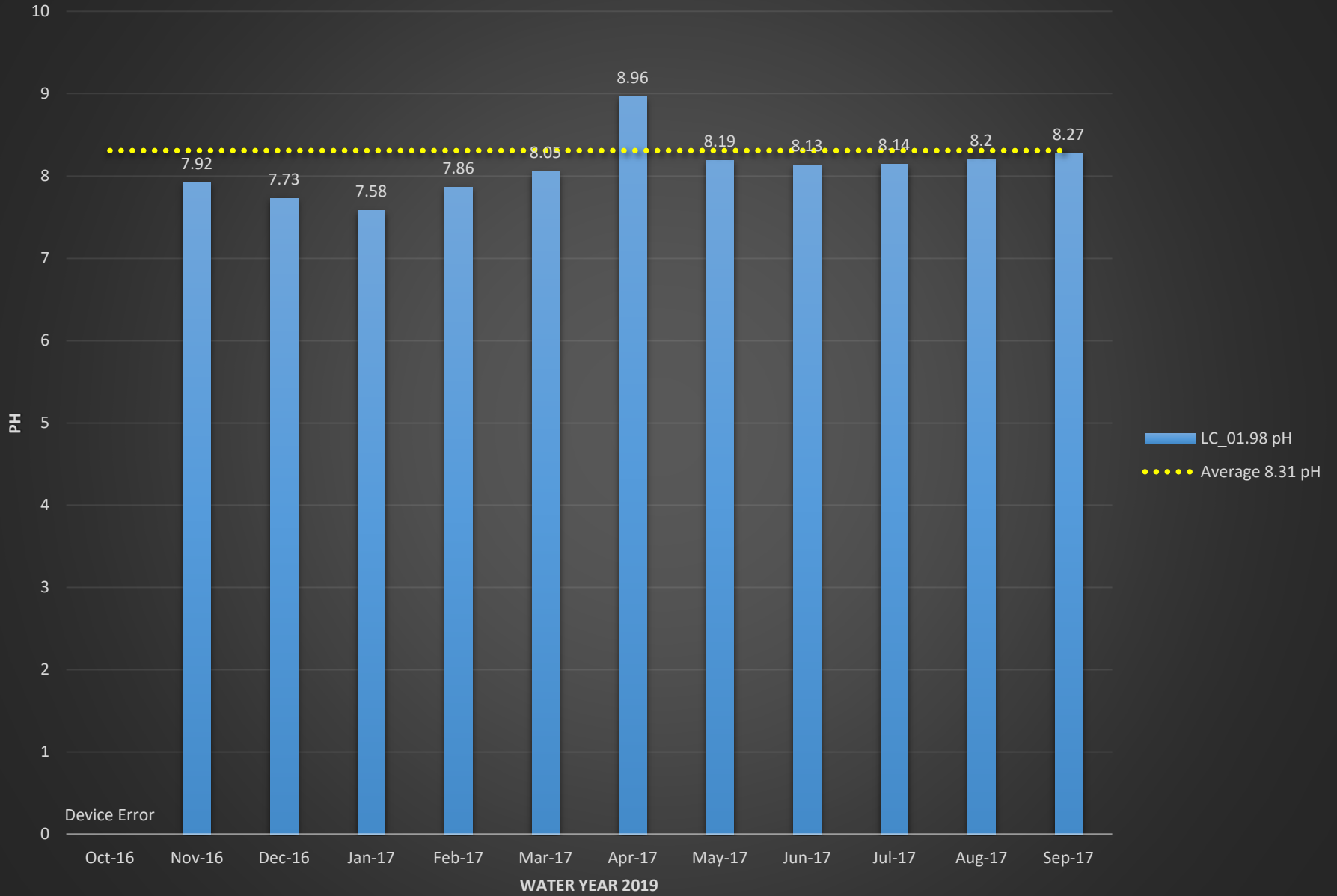
LC_01.98 Dissolved Oxygen (%)



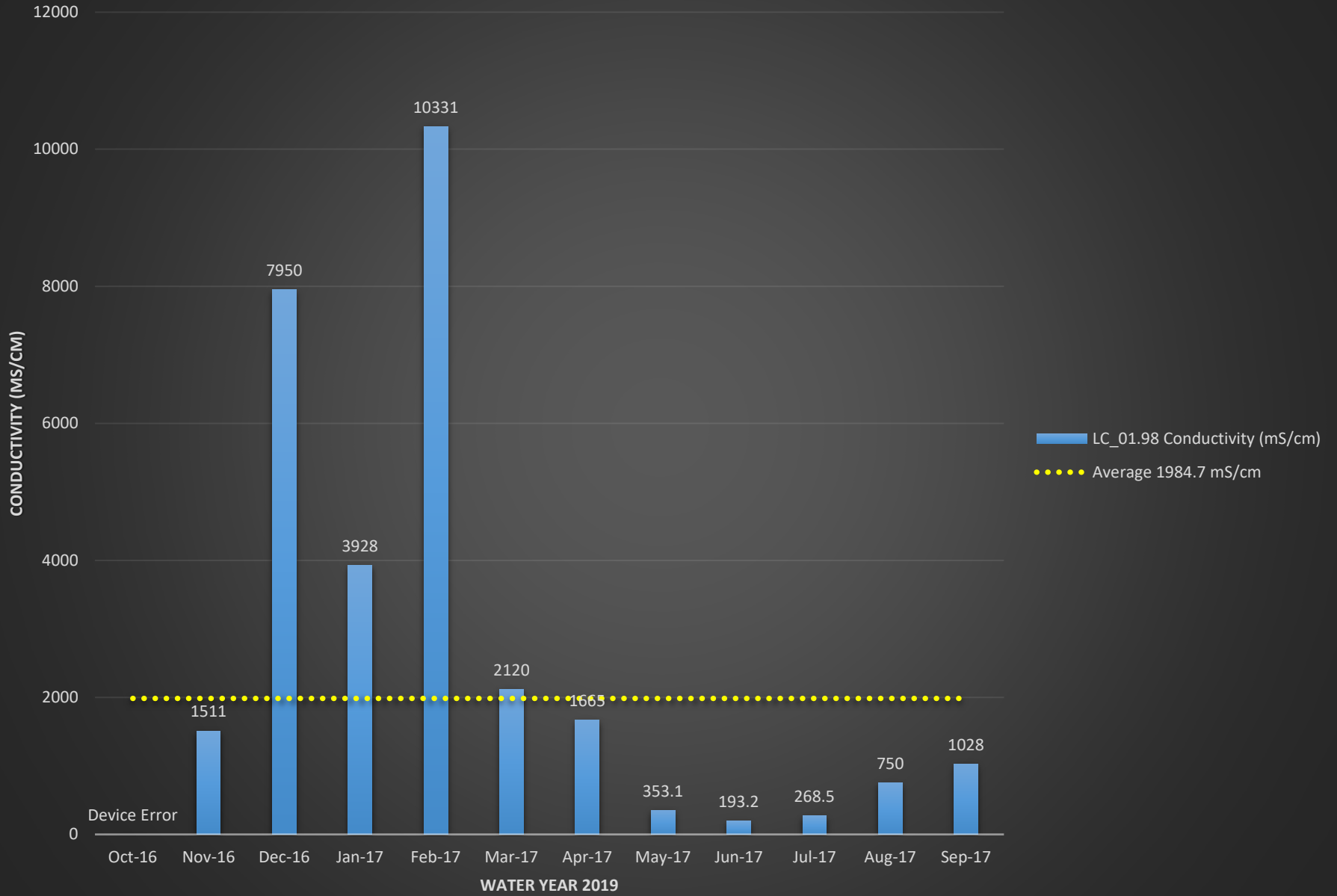
LC_01.98 Dissolved Oxygen (mg/L)



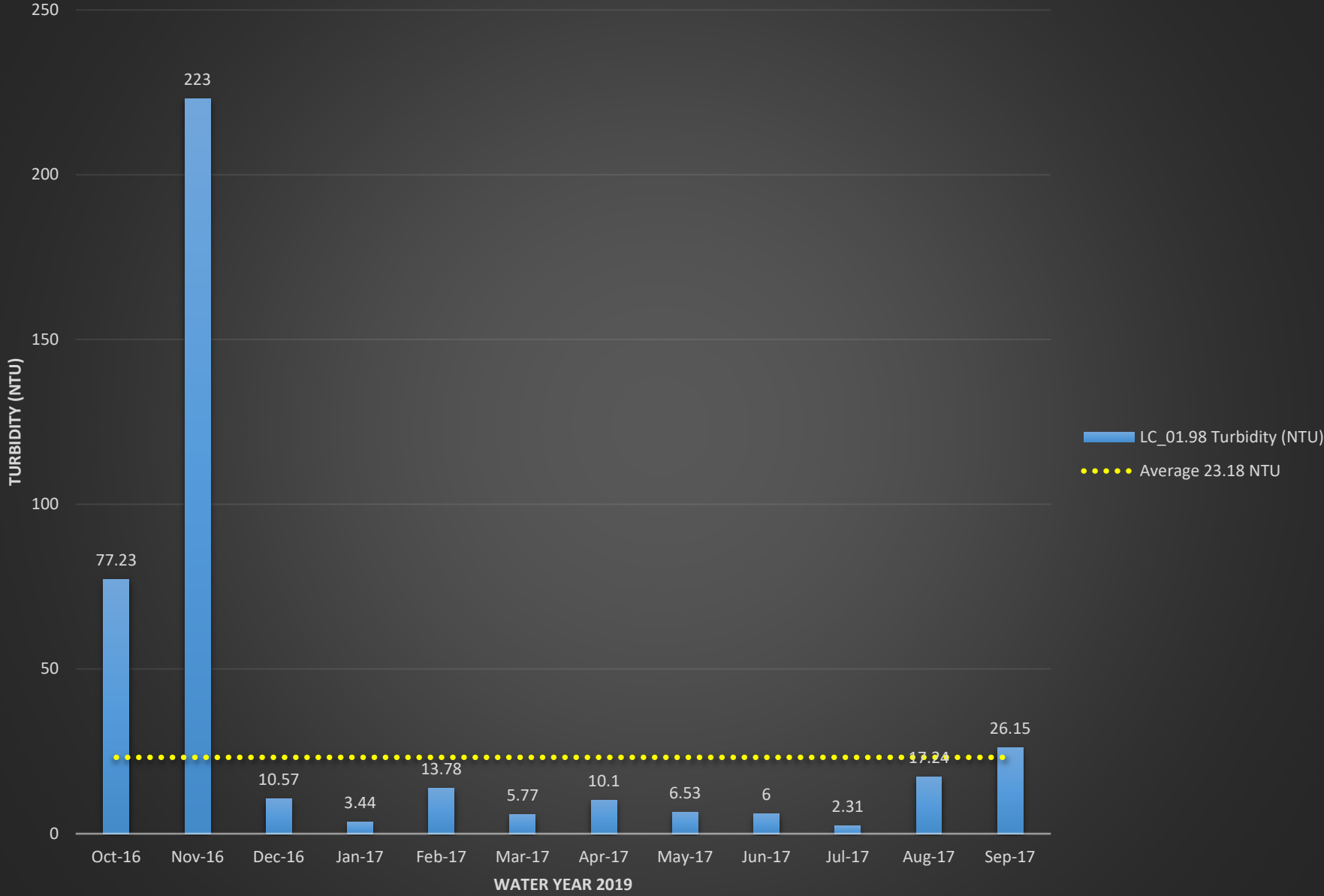
LC_01.98 pH



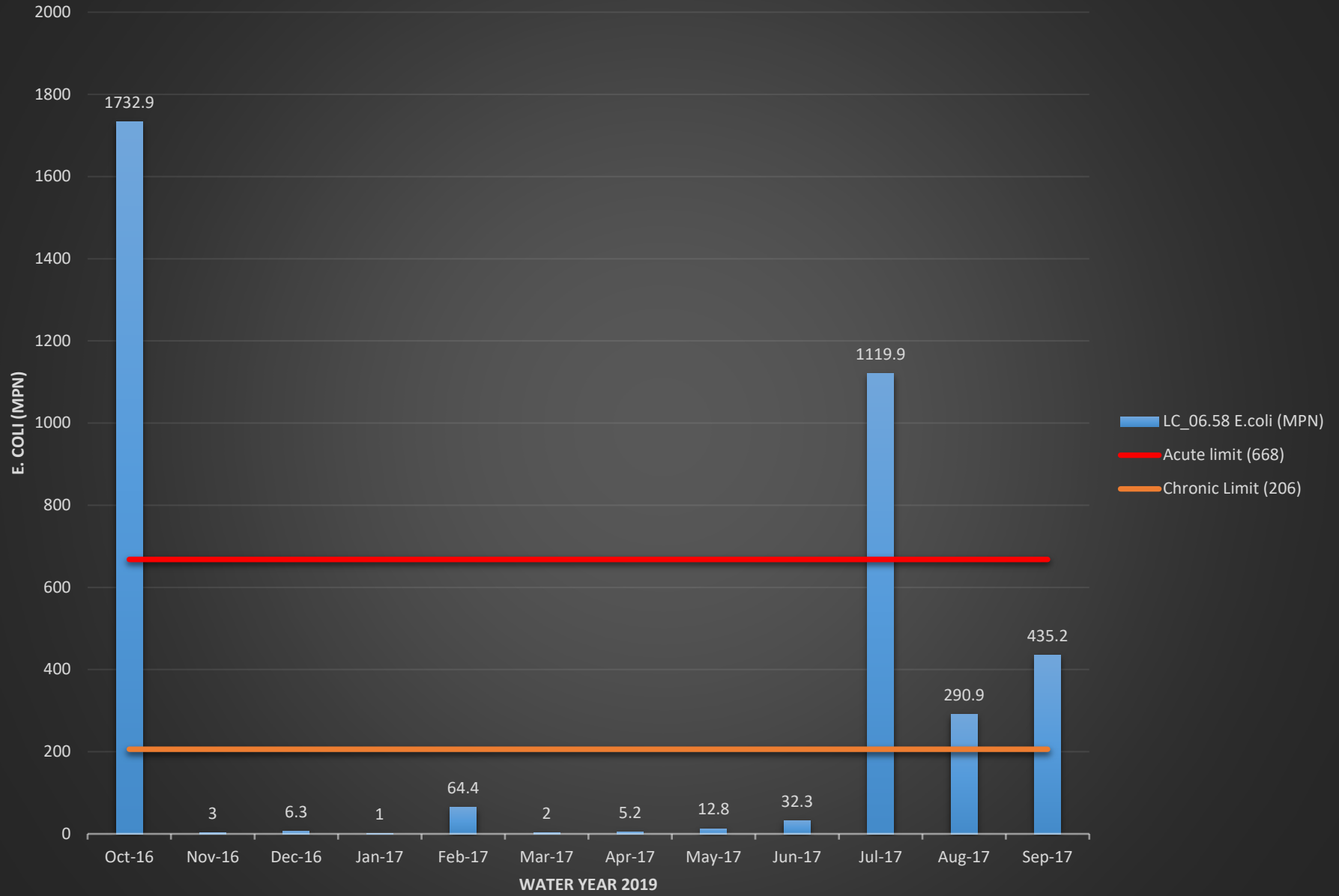
LC_01.98 Conductivity (mS/cm)



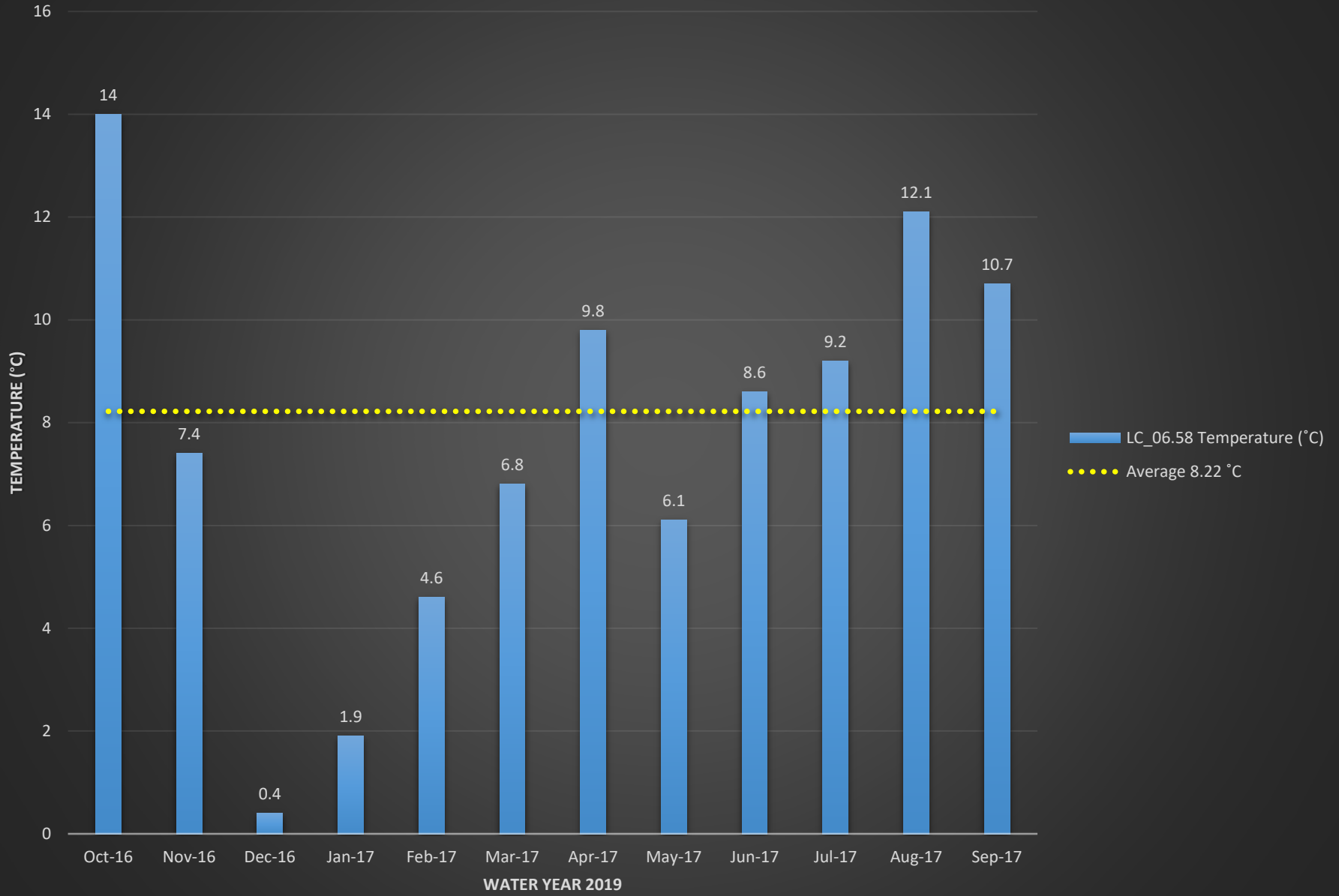
LC_01.98 Turbidity (NTU)



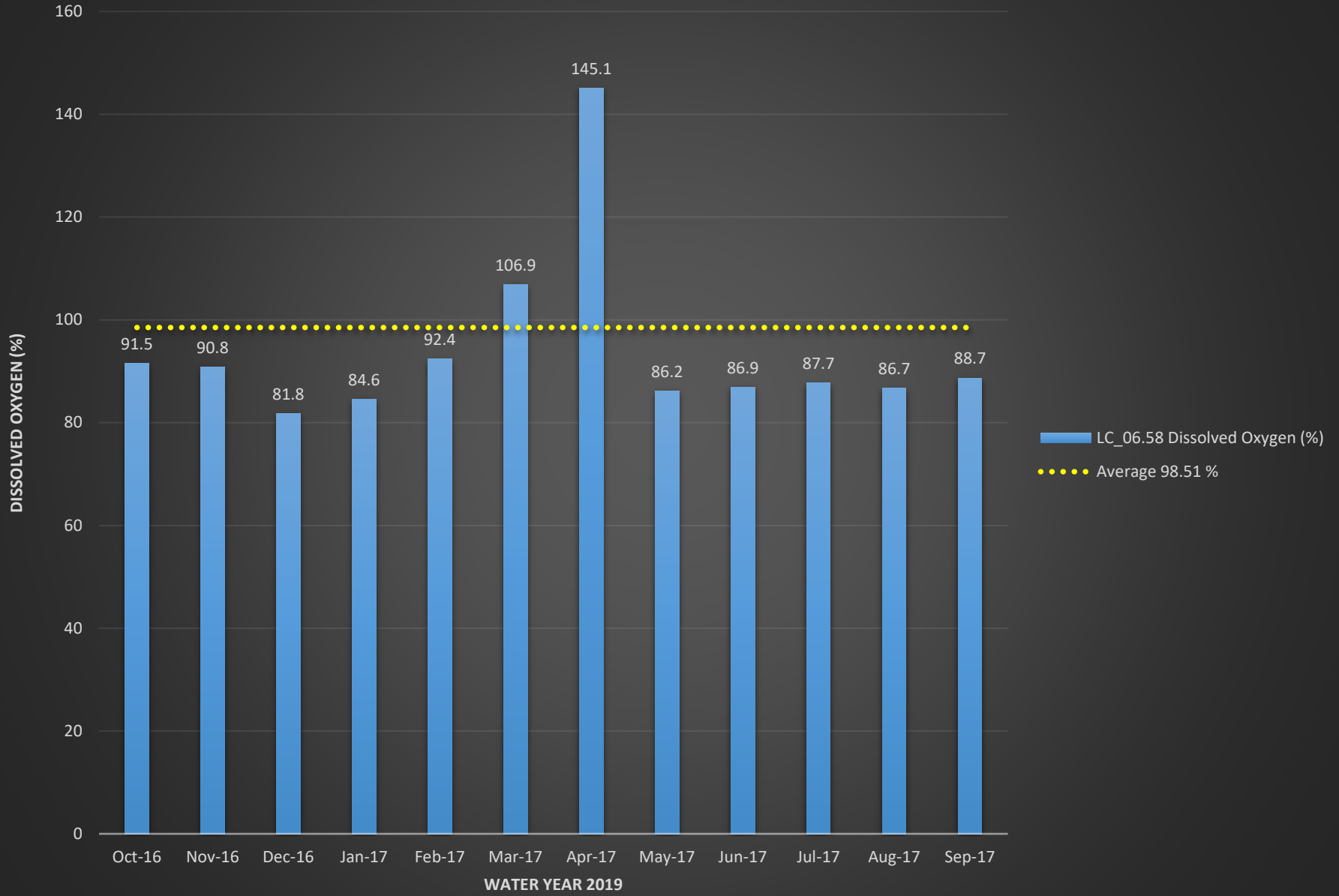
LC_06.58 E.coli (MPN)



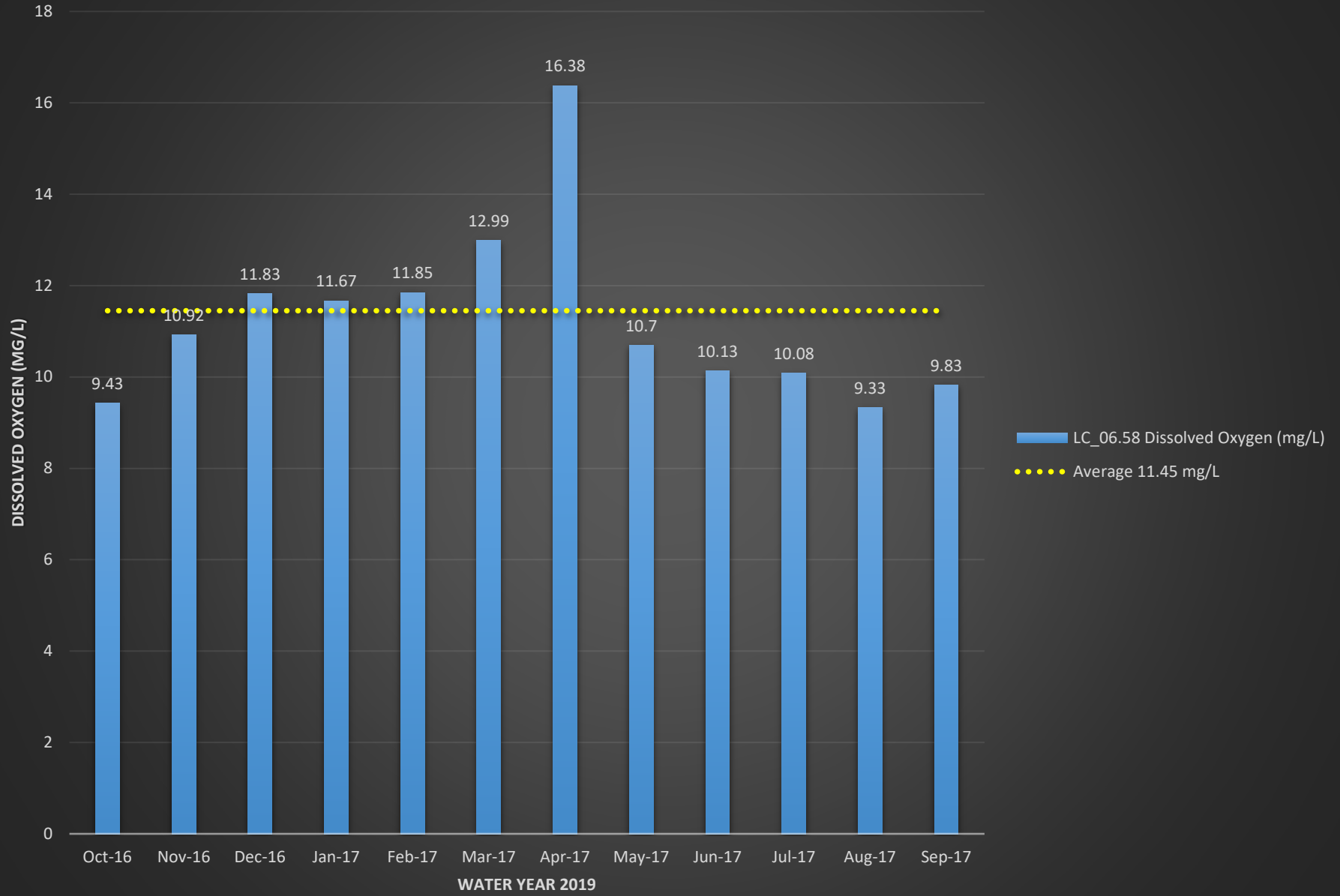
LC_06.58 Temperature (°C)



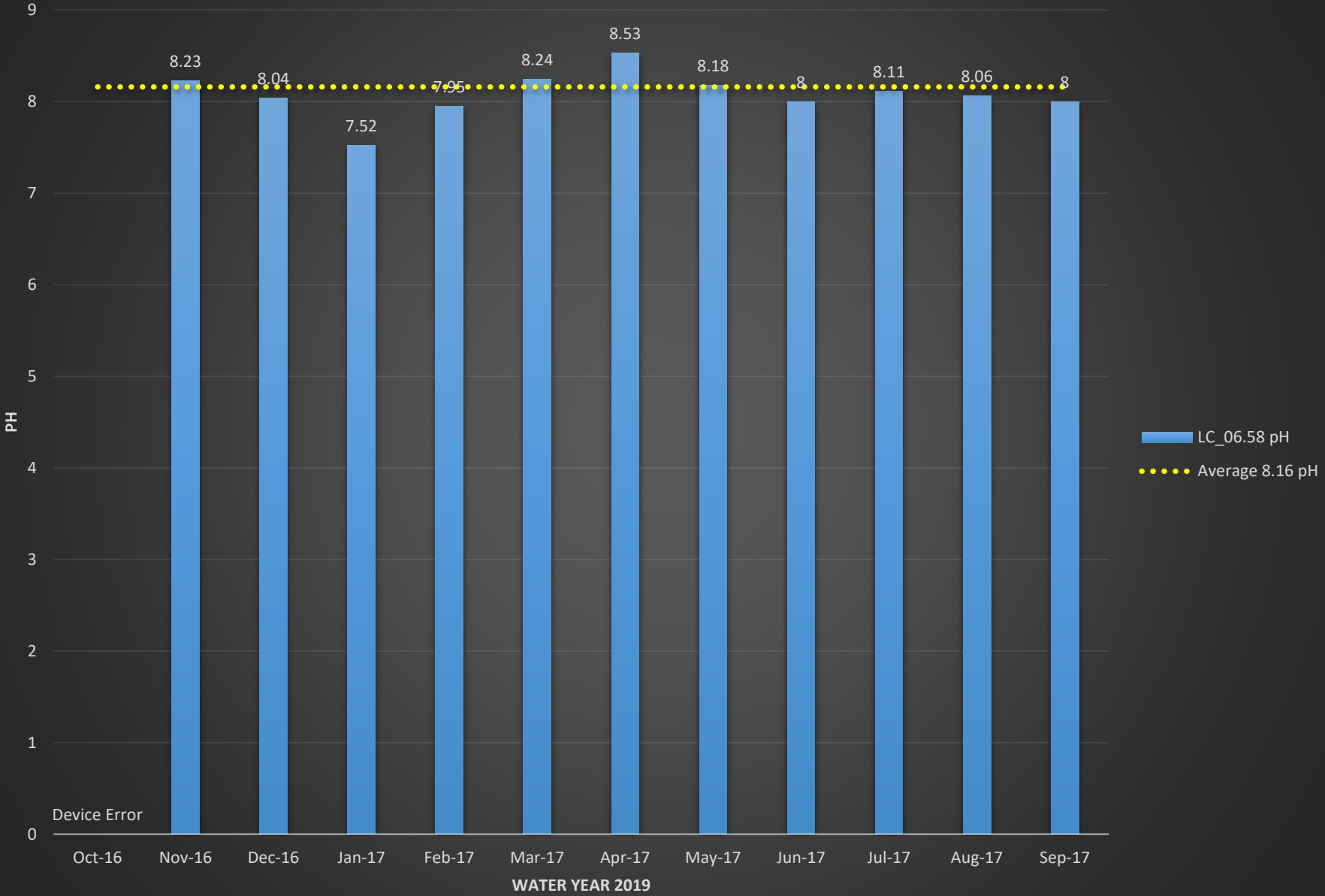
LC_06.58 Dissolved Oxygen (%)



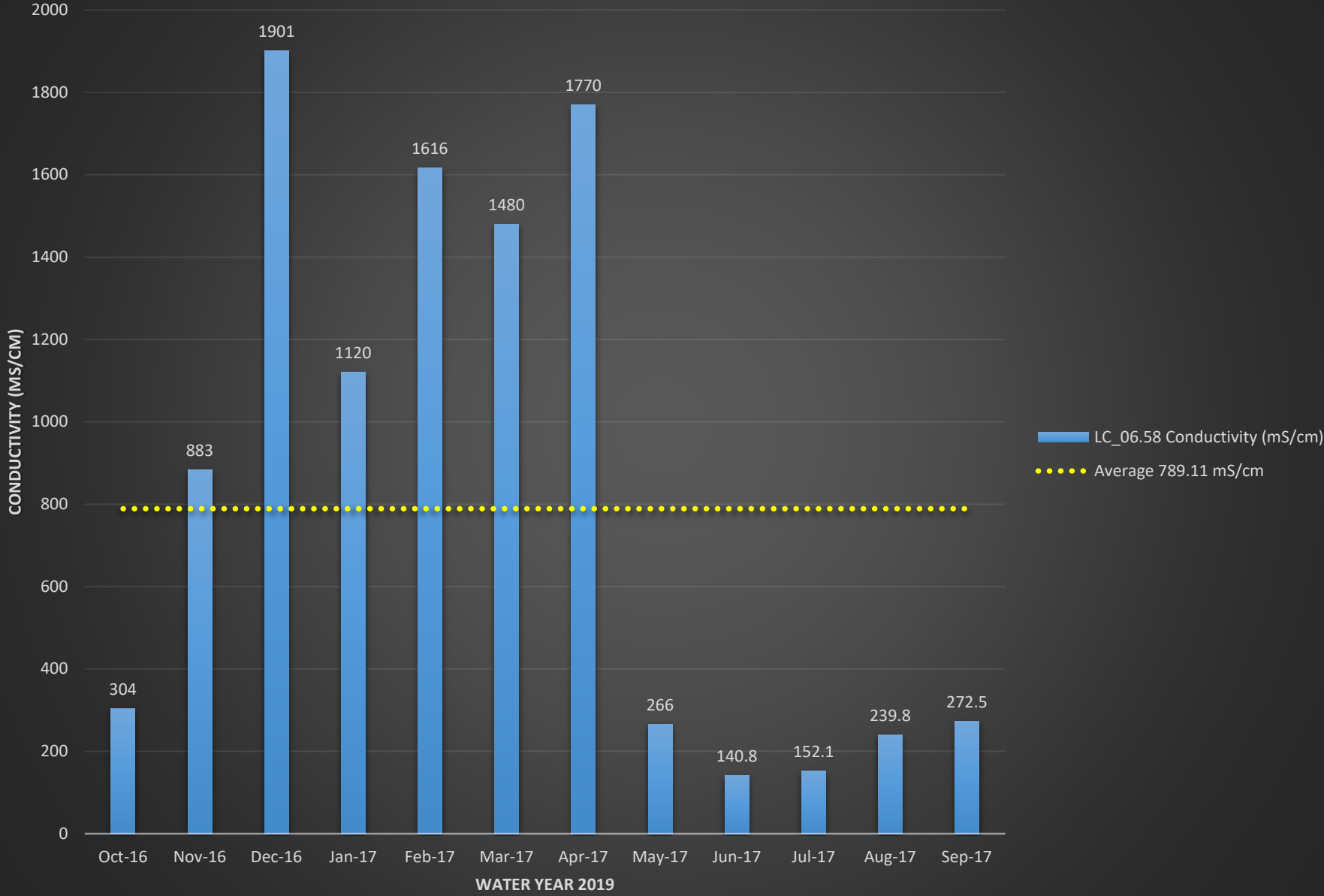
LC_06.58 Dissolved Oxygen (mg/L)



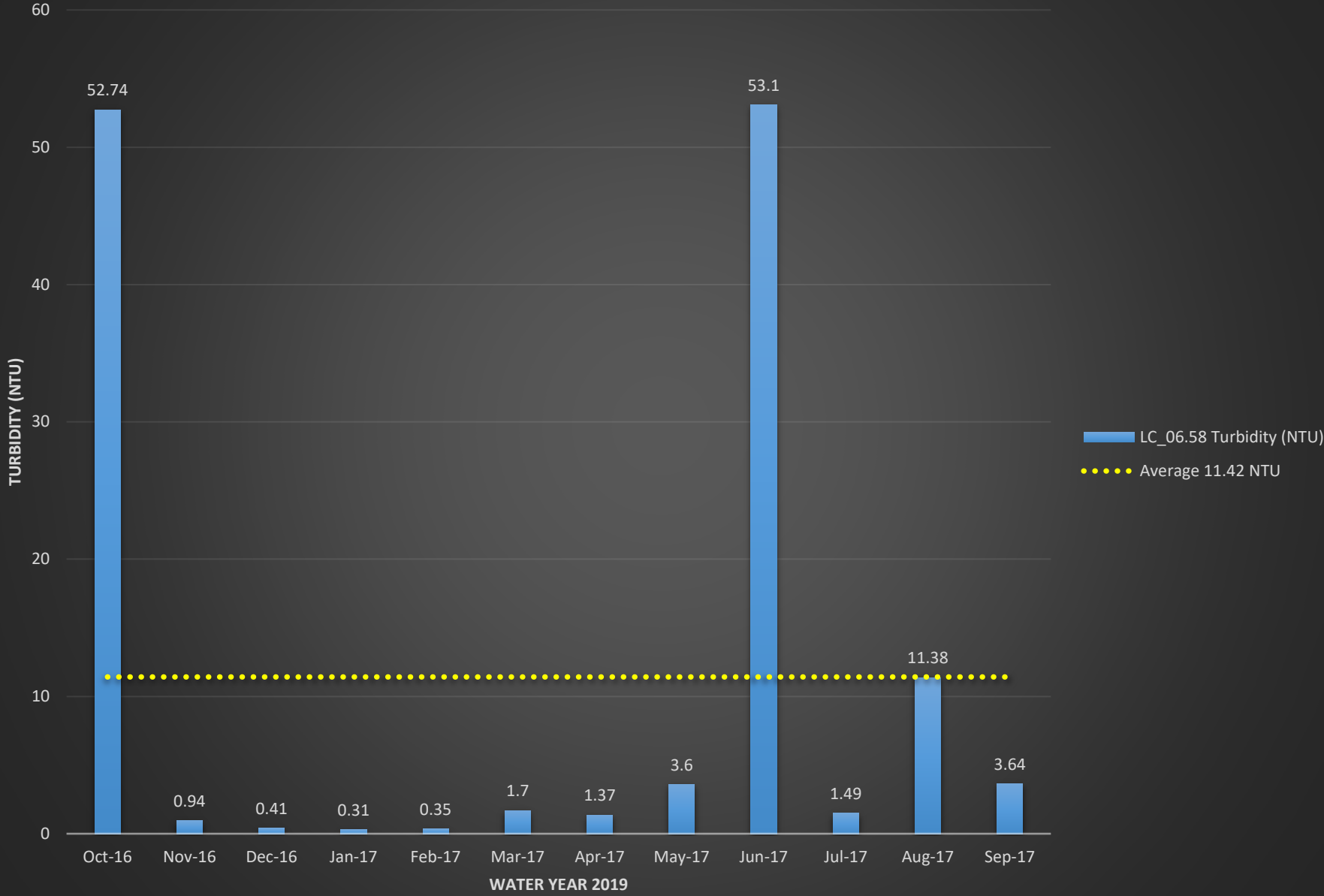
LC_06.58 pH



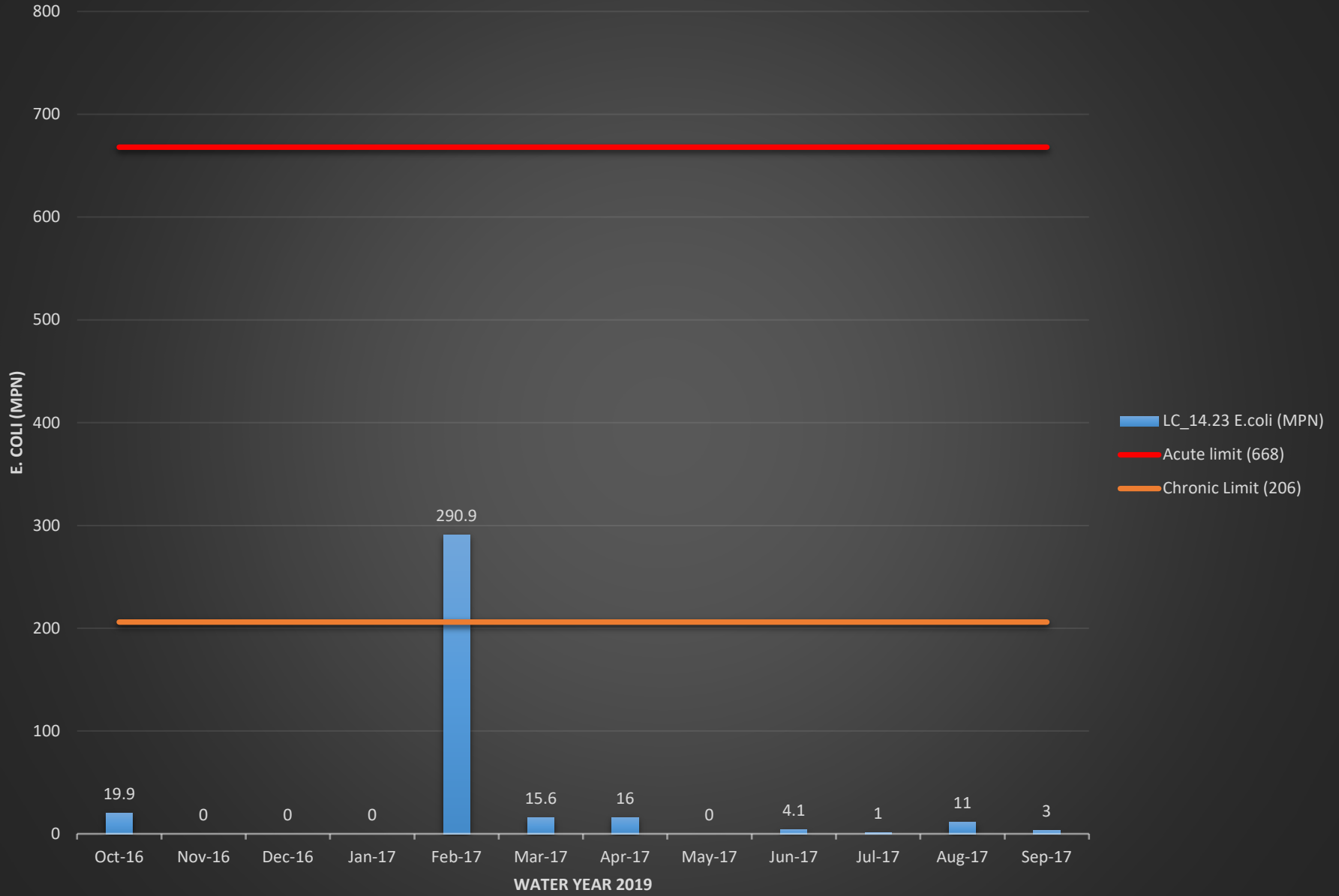
LC_06.58 Conductivity (mS/cm)



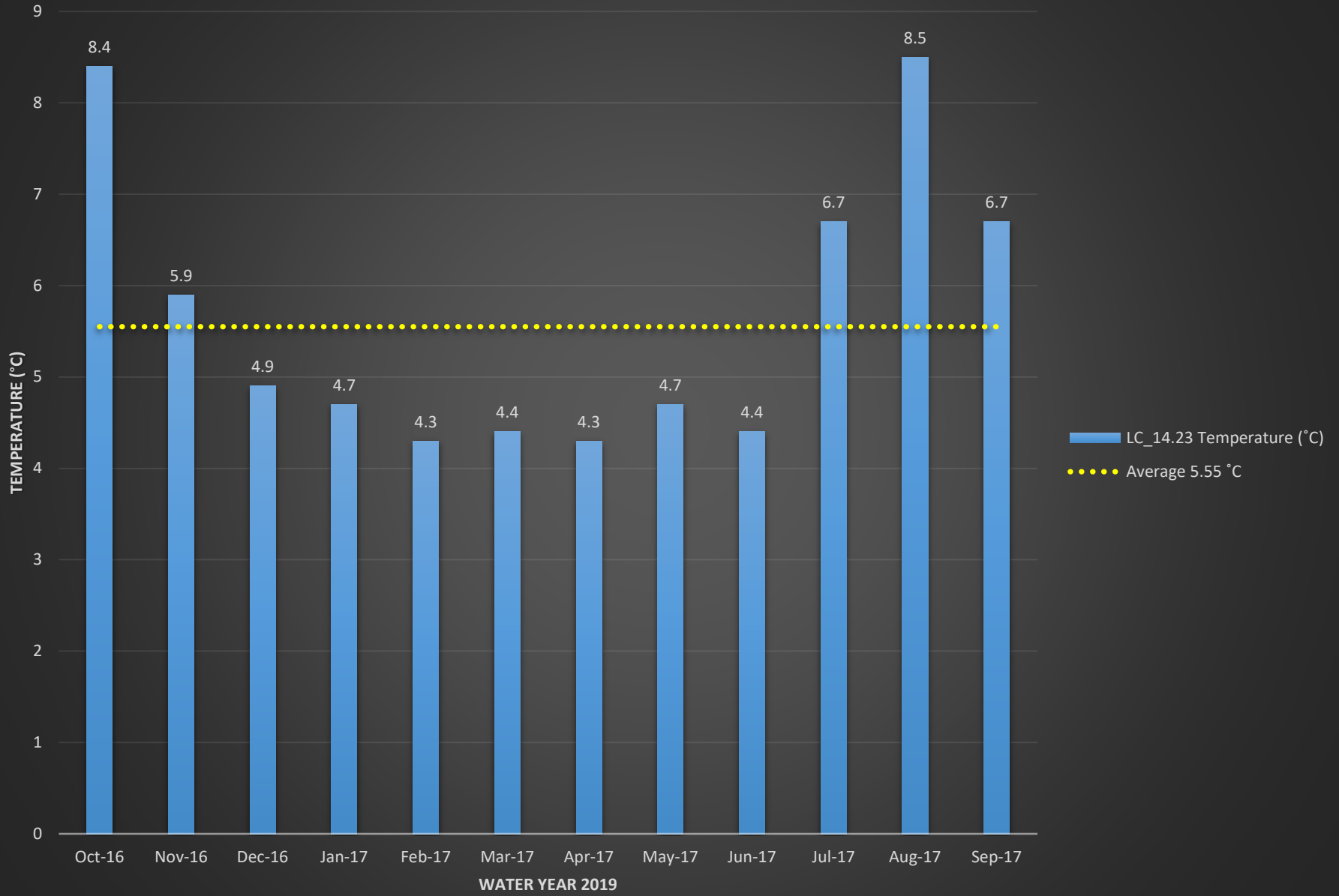
LC_06.58 Turbidity (NTU)



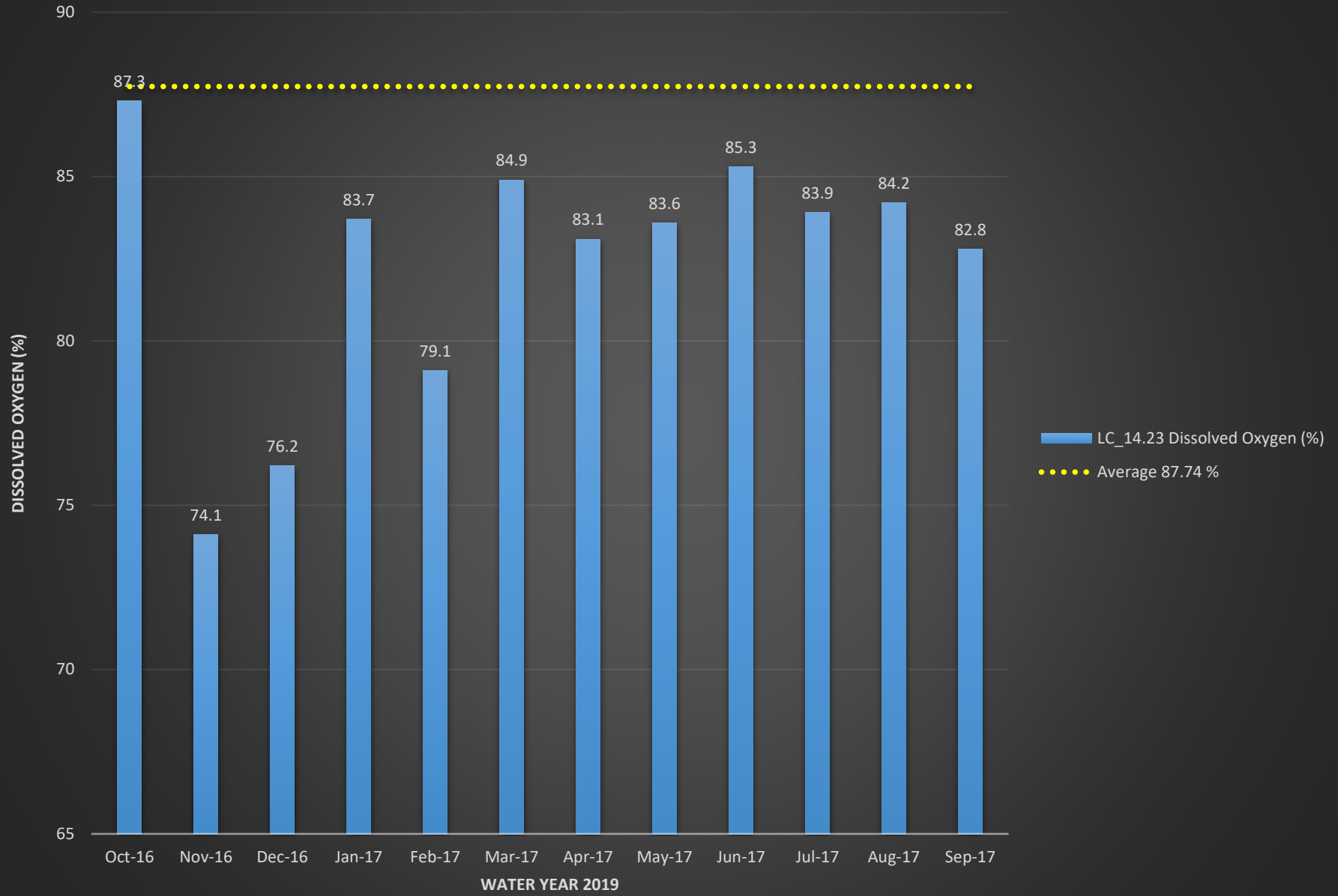
LC_14.23 E.coli (MPN)



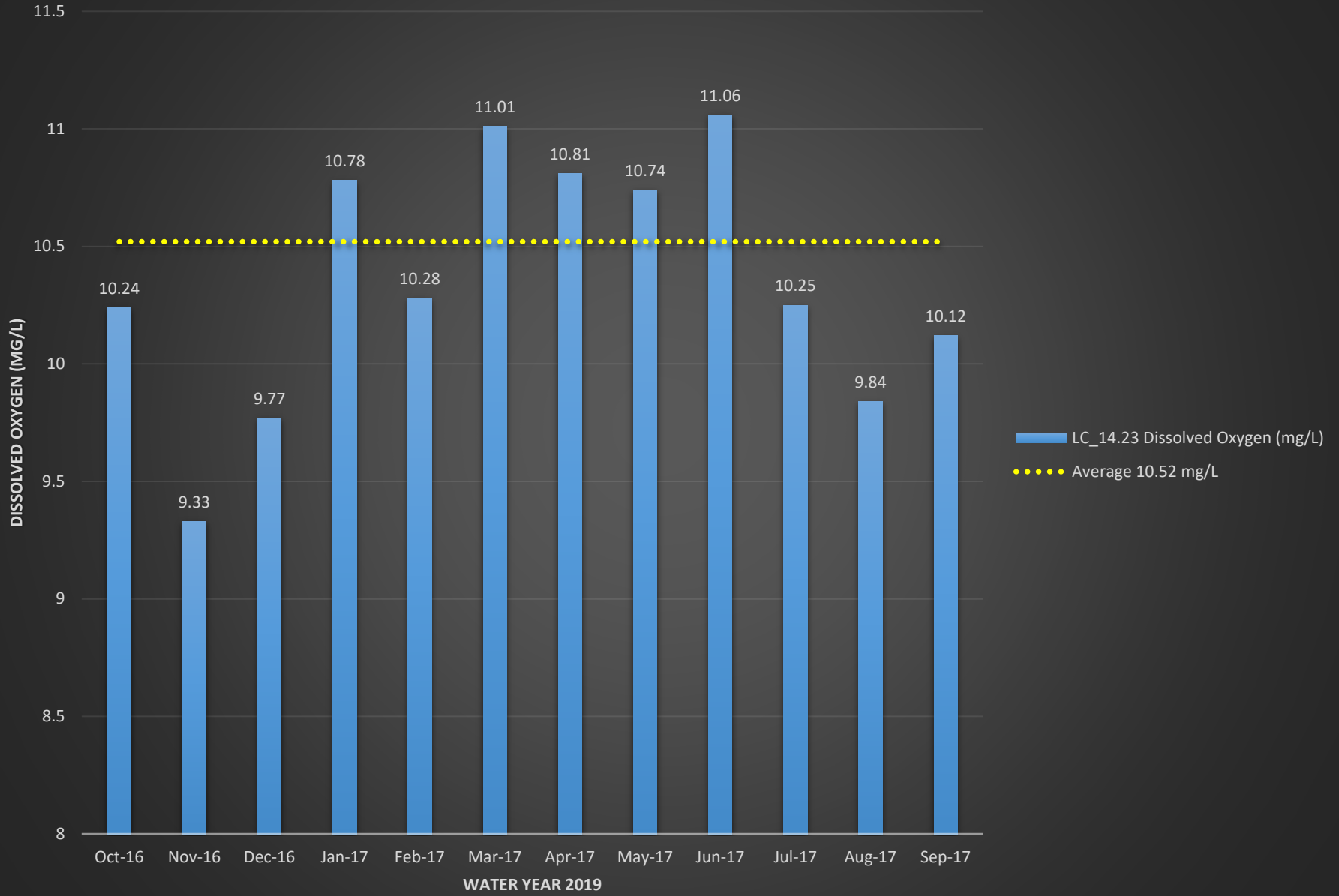
LC_14.23 Temperature (°C)



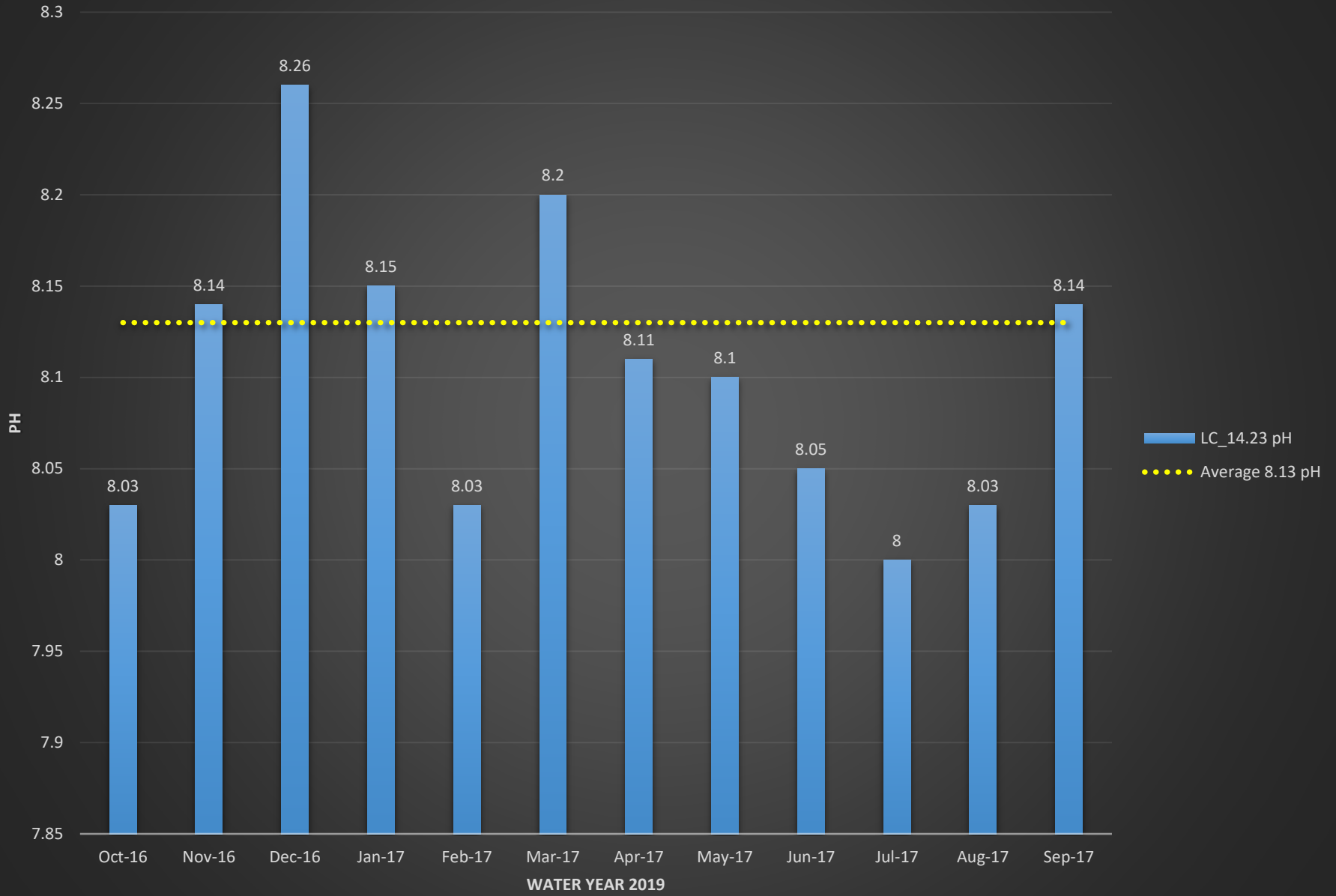
LC_14.23 Dissolved Oxygen (%)



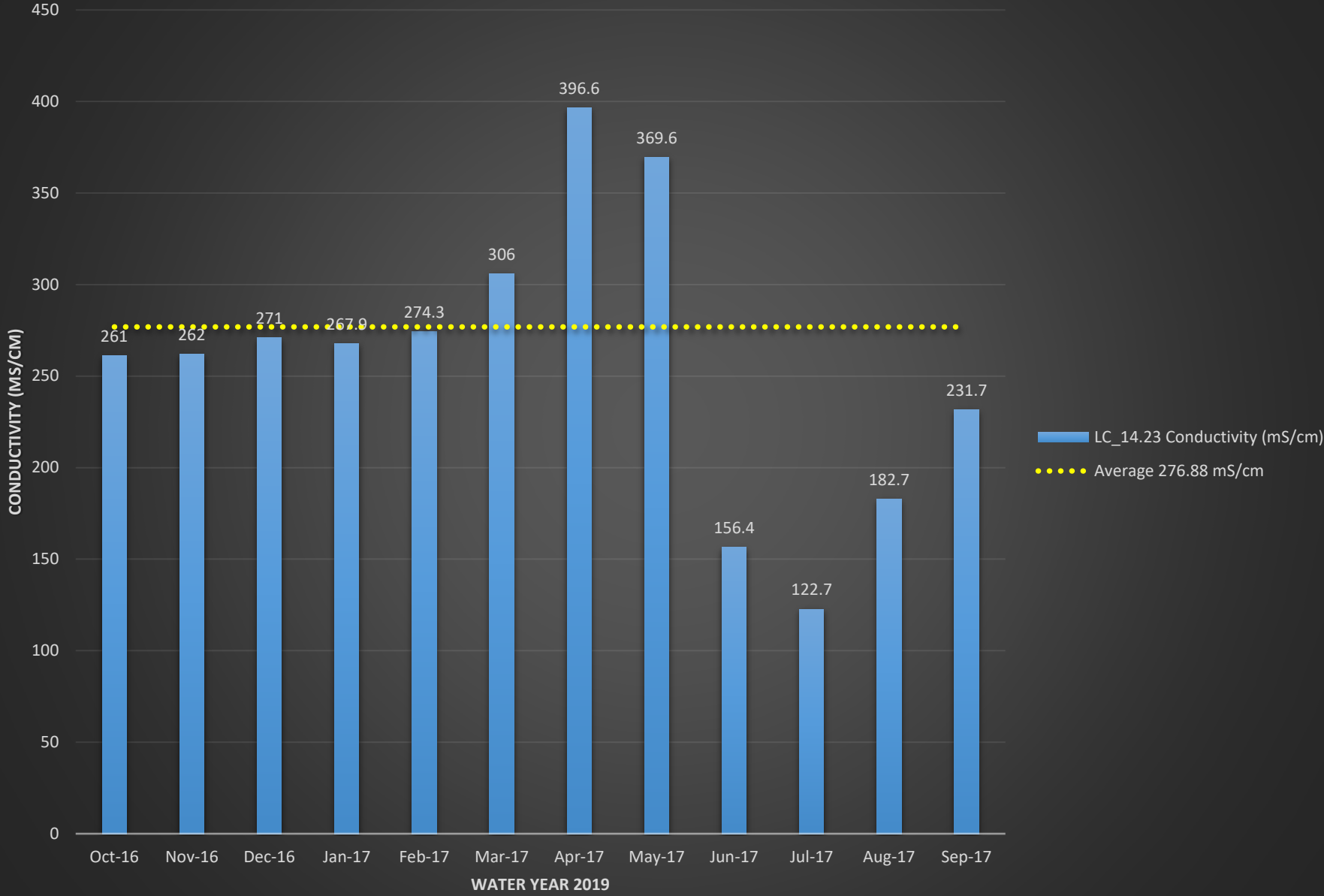
LC_14.23 Dissolved Oxygen (mg/L)



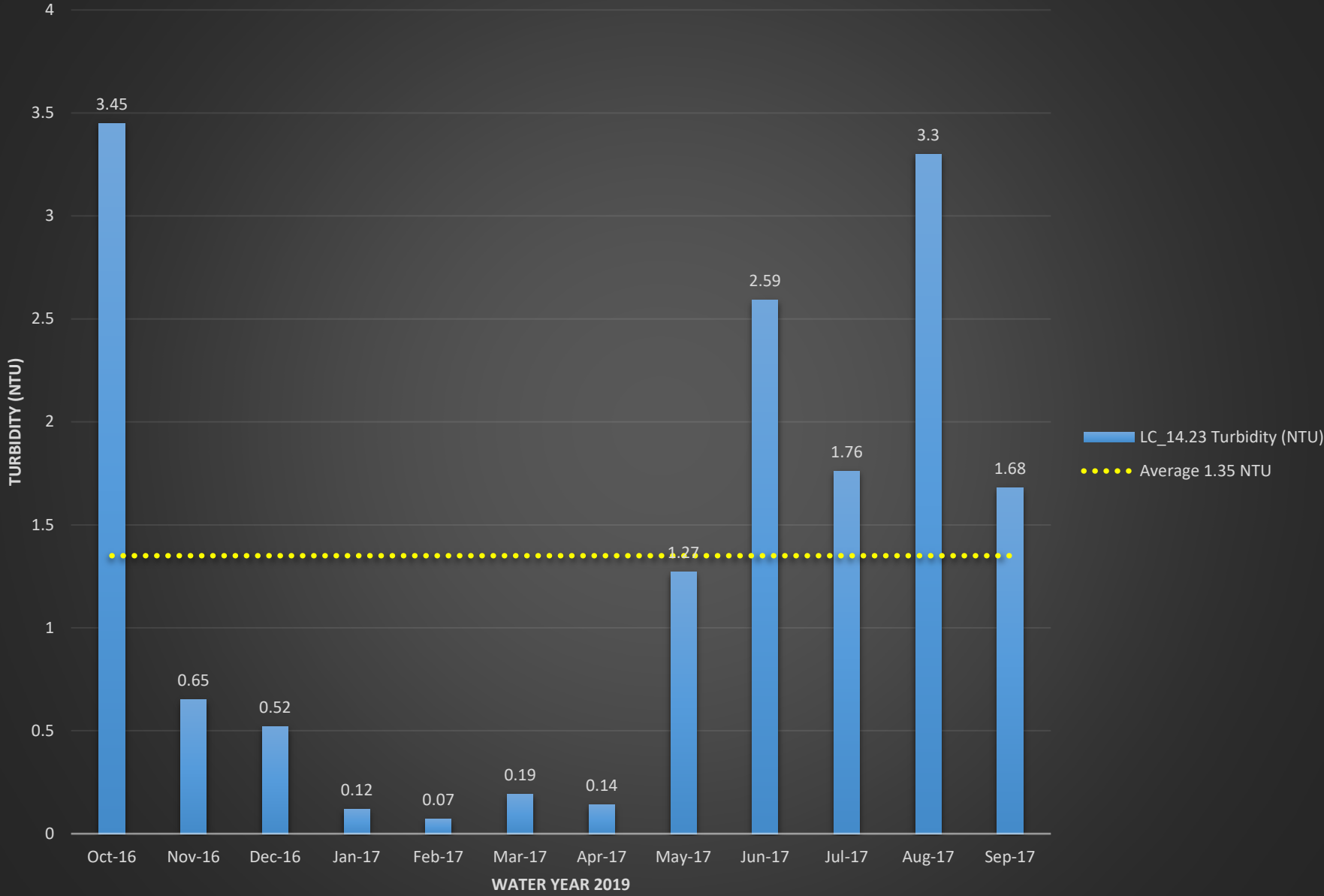
LC_14.23 pH



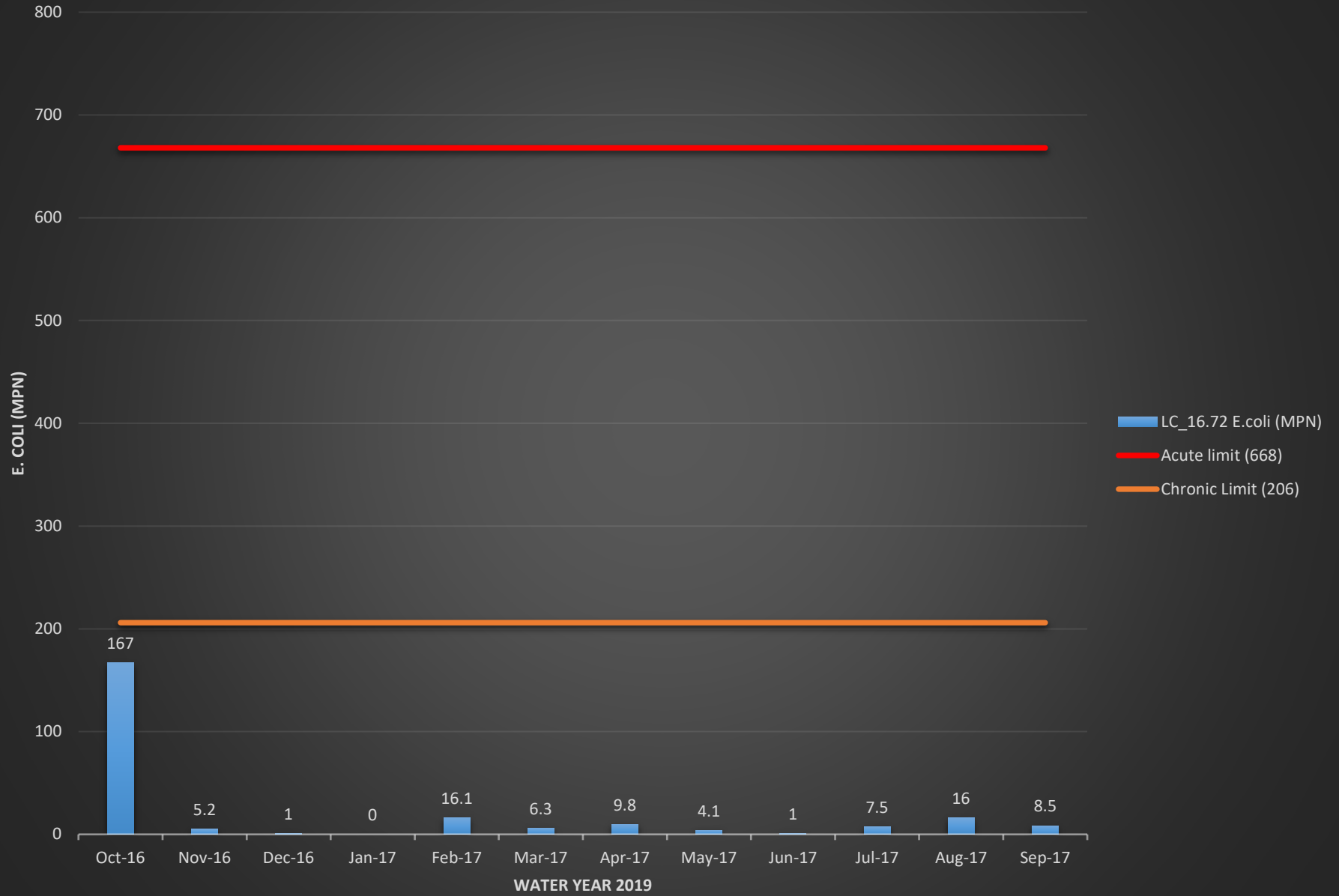
LC_14.23 Conductivity (mS/cm)



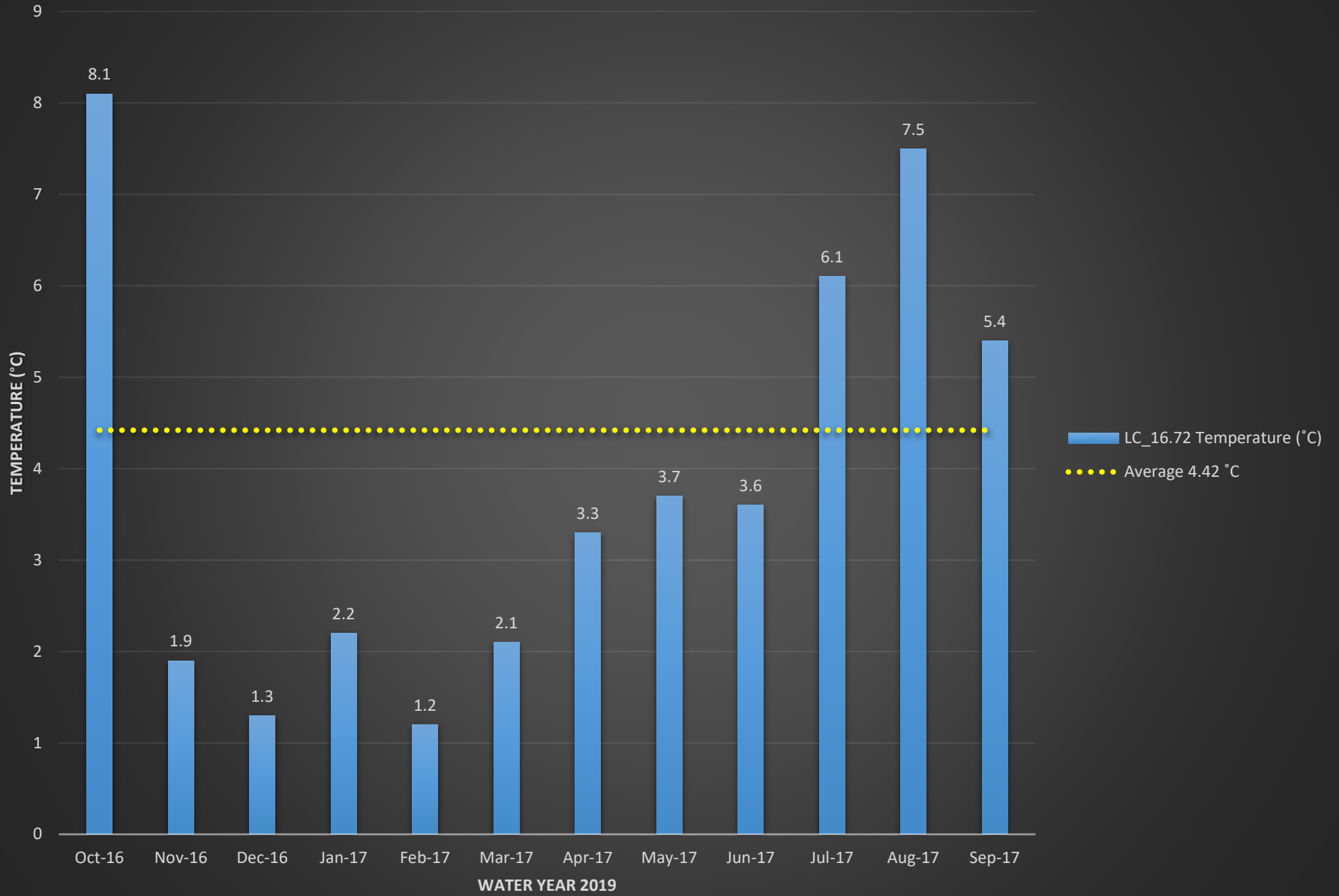
LC_14.23 Turbidity (NTU)



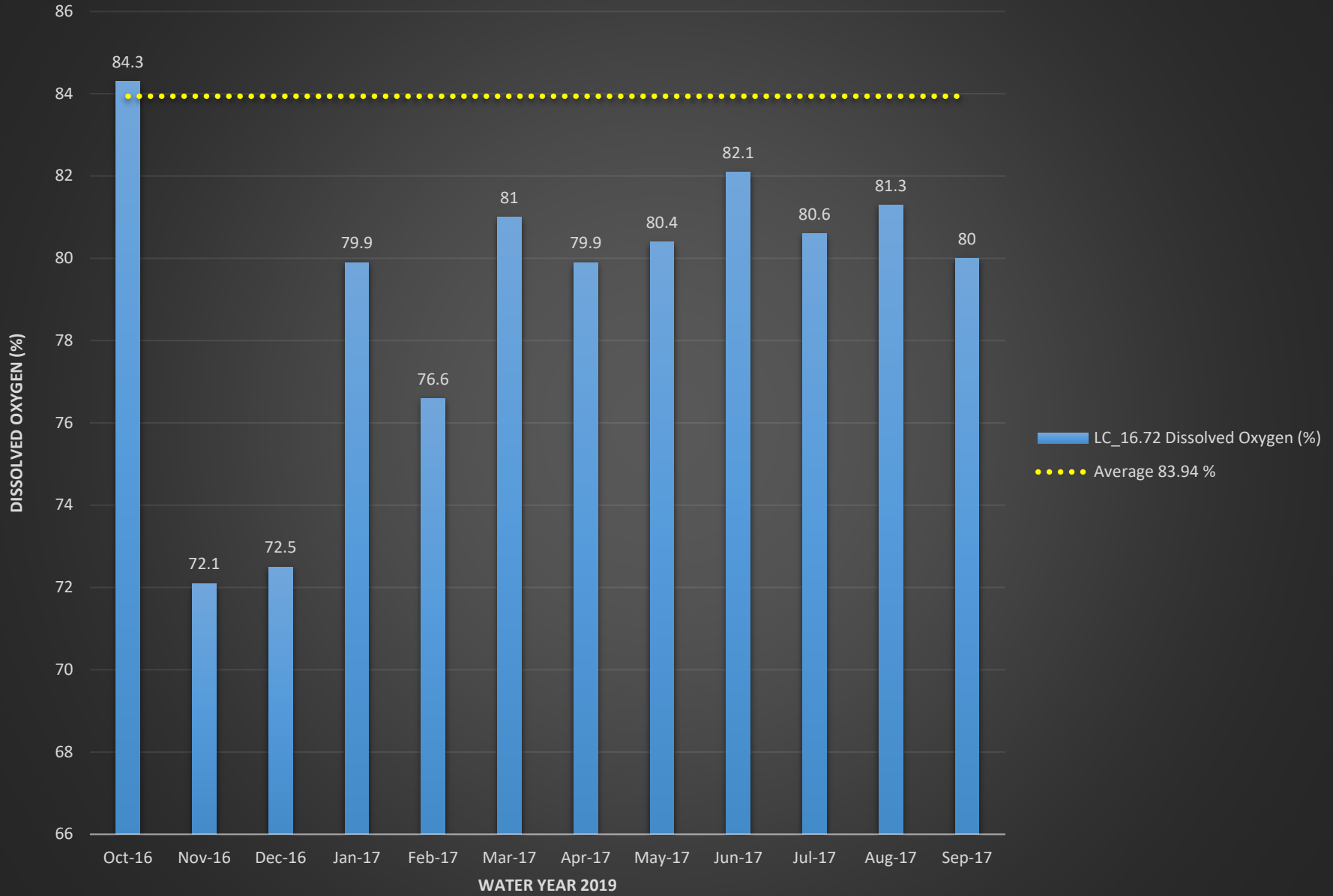
LC_16.72 E.coli (MPN)



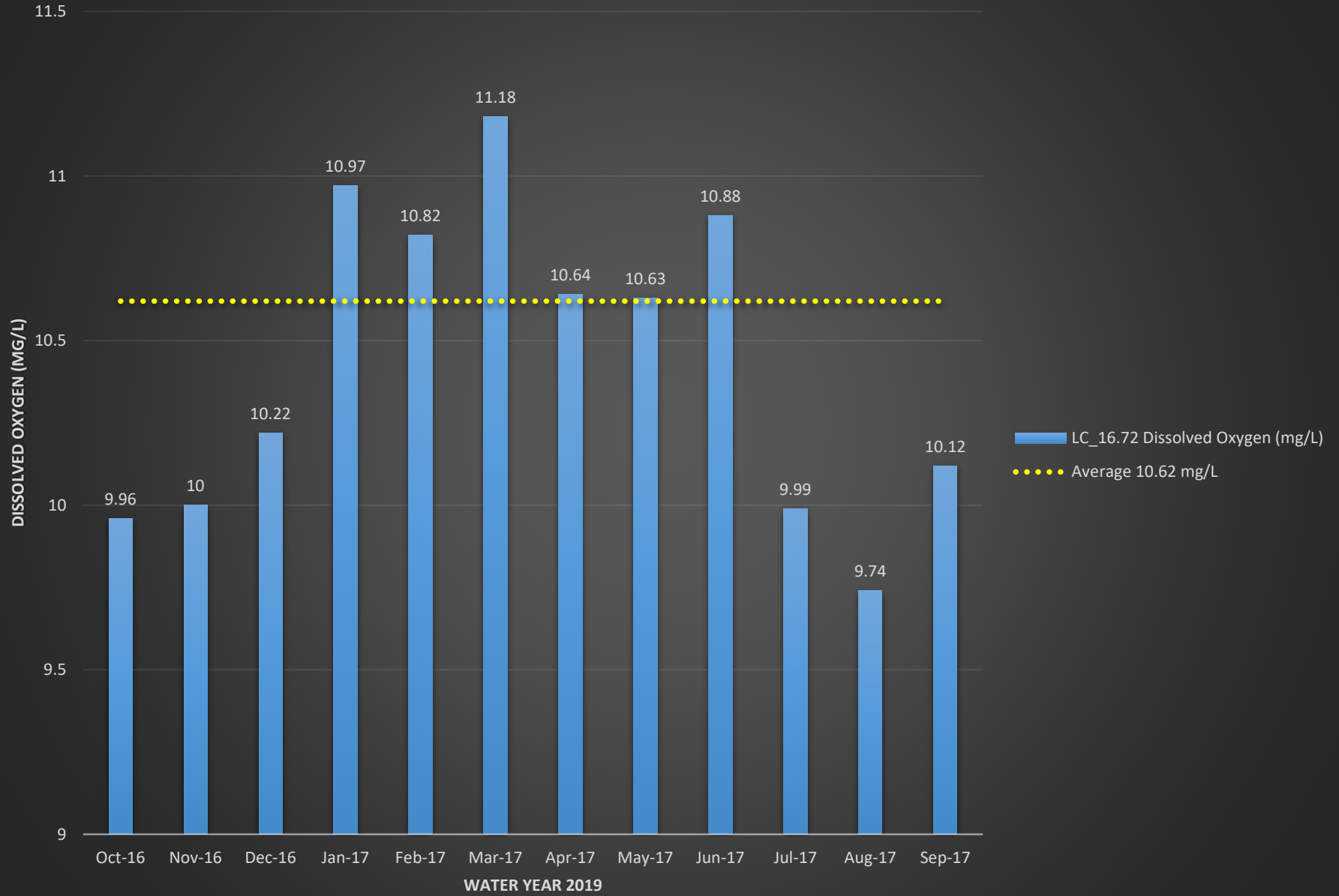
LC_16.72 Temperature (°C)



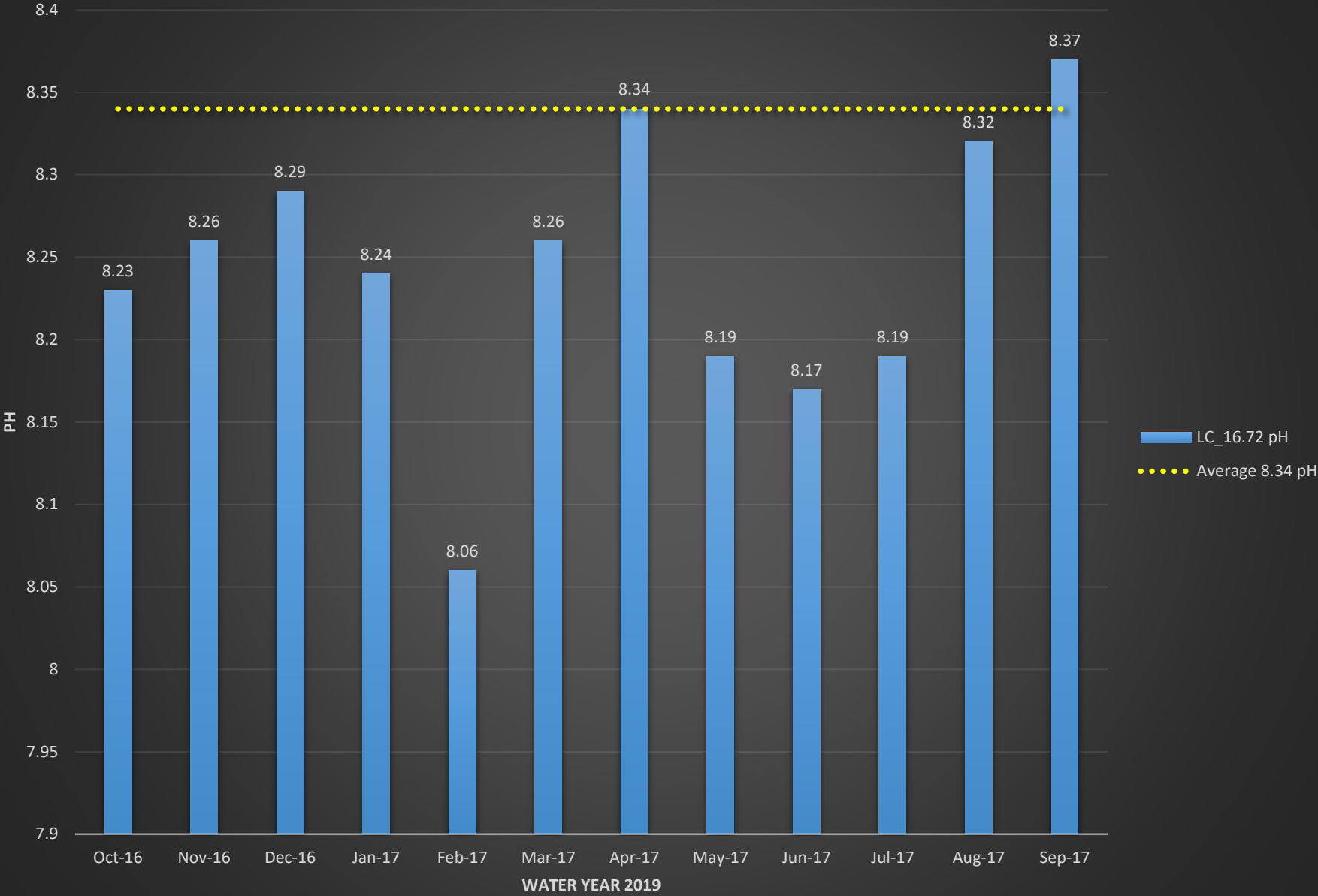
LC_16.72 Dissolved Oxygen (%)



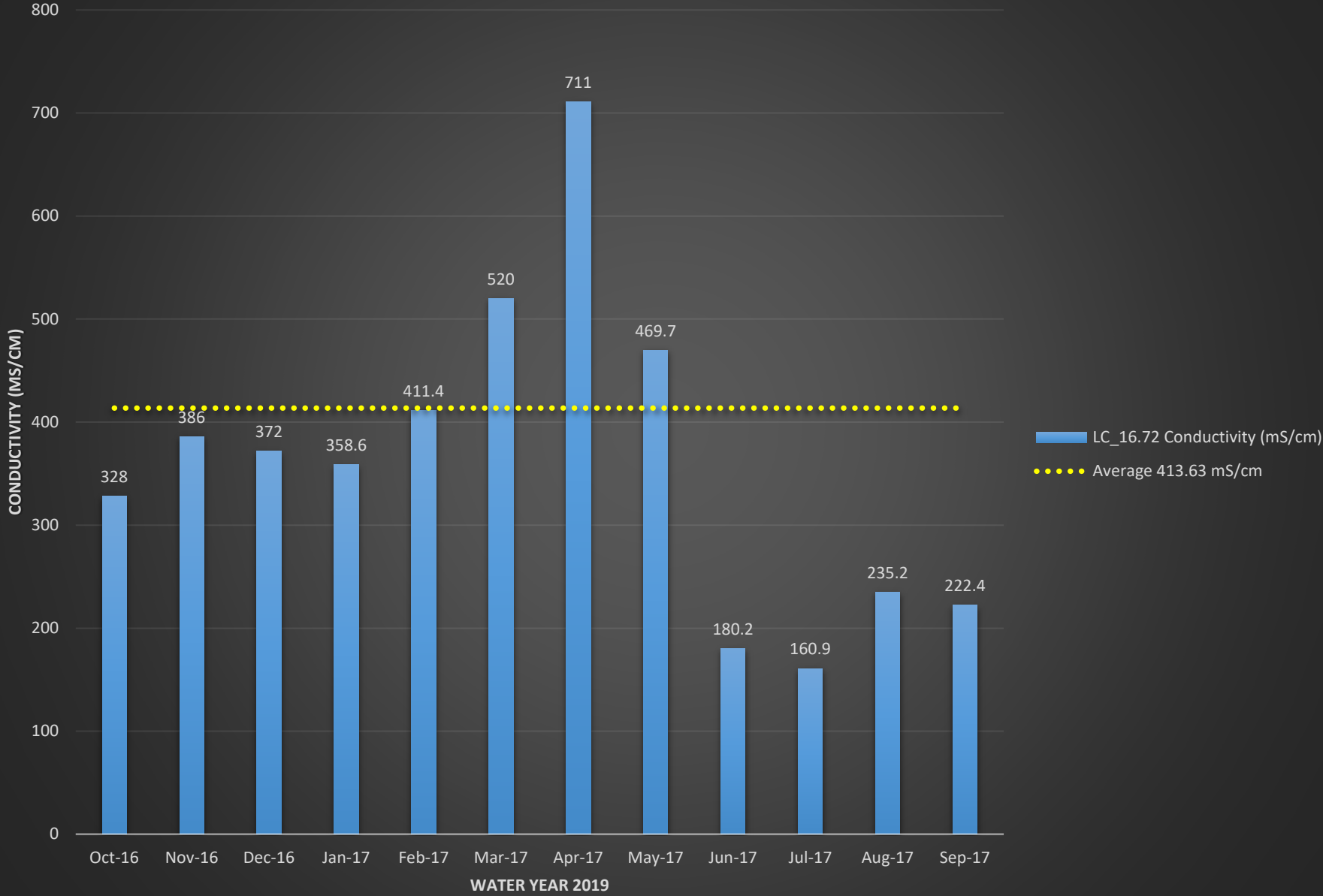
LC_16.72 Dissolved Oxygen (mg/L)



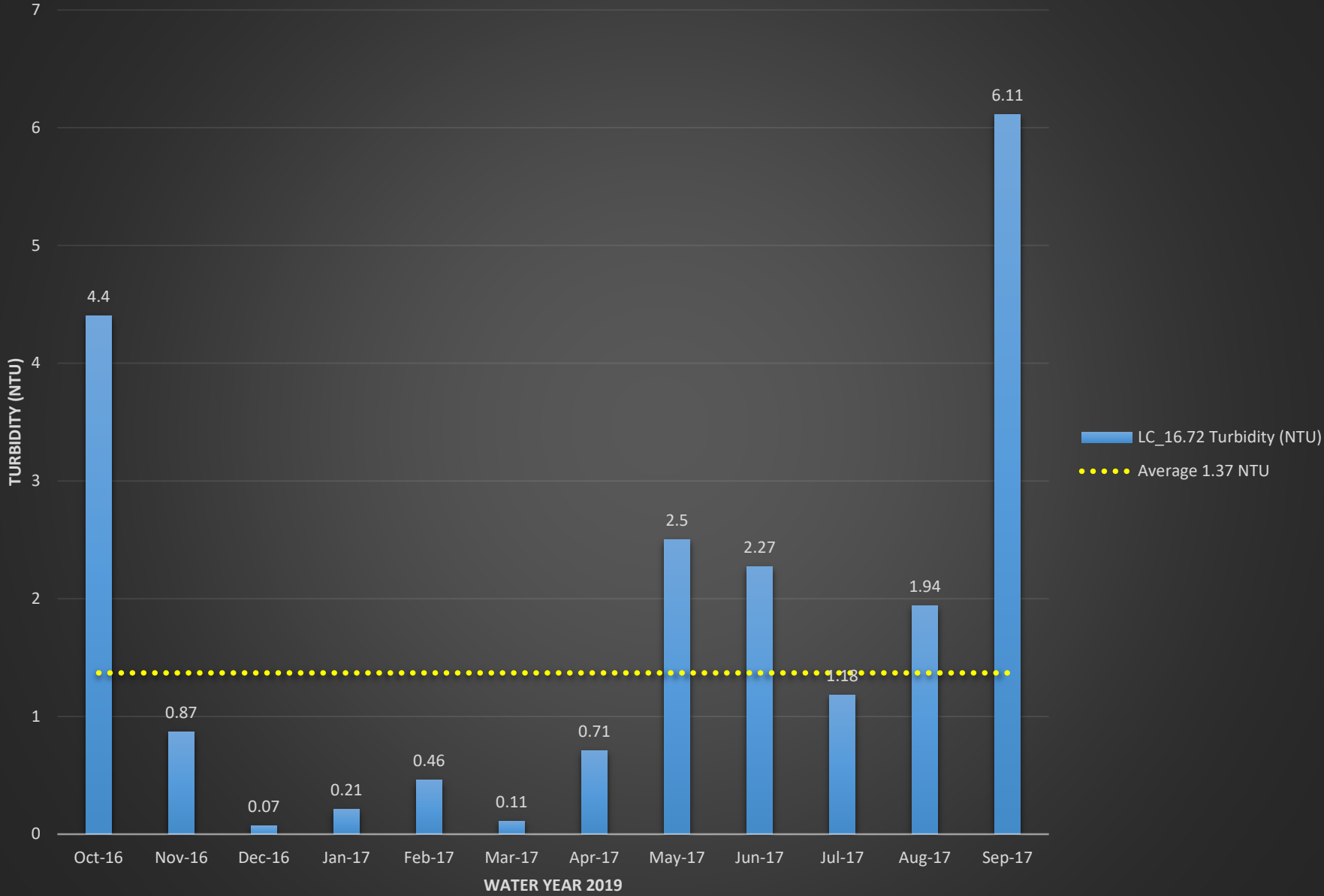
LC_16.72 pH



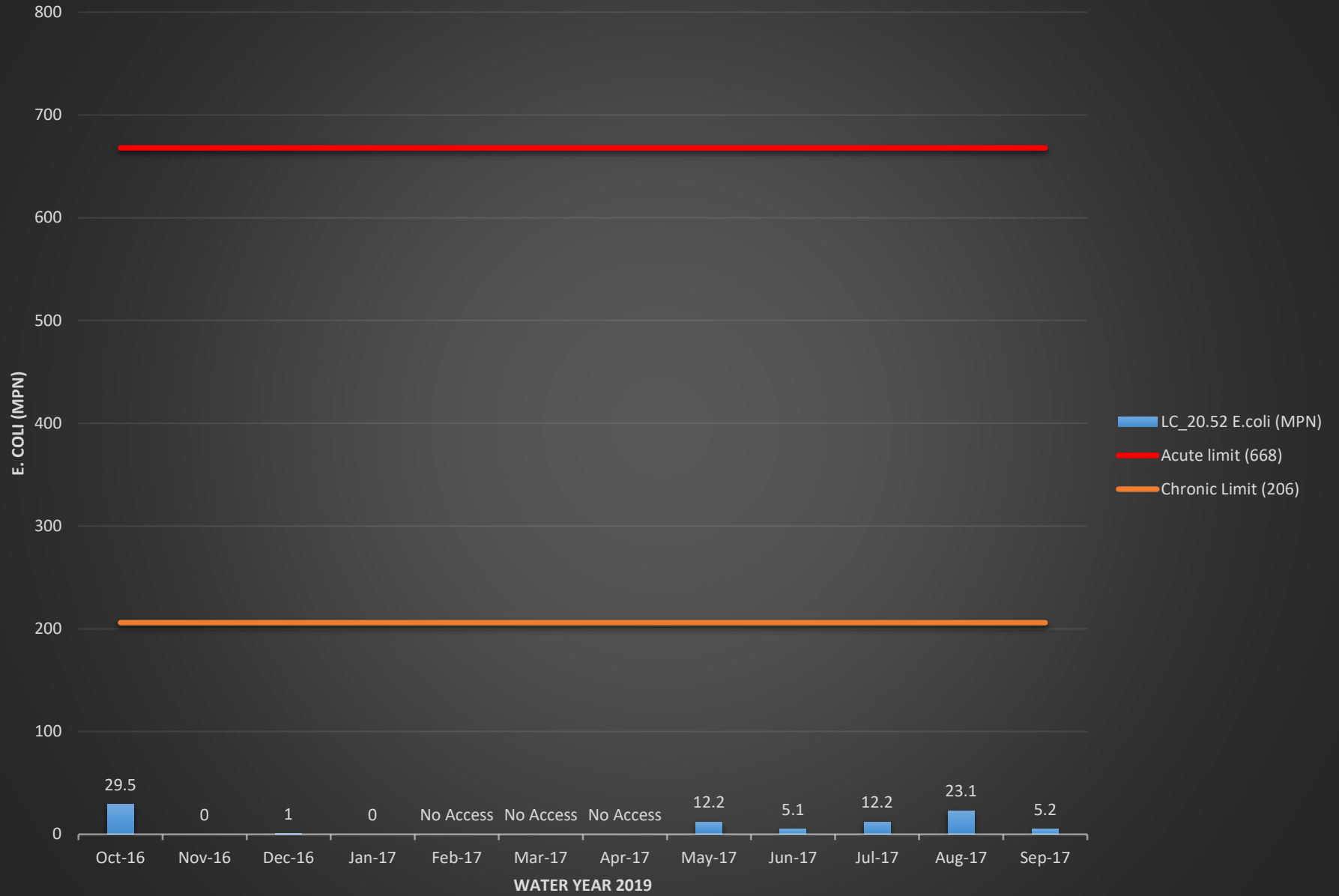
LC_16.72 Conductivity (mS/cm)



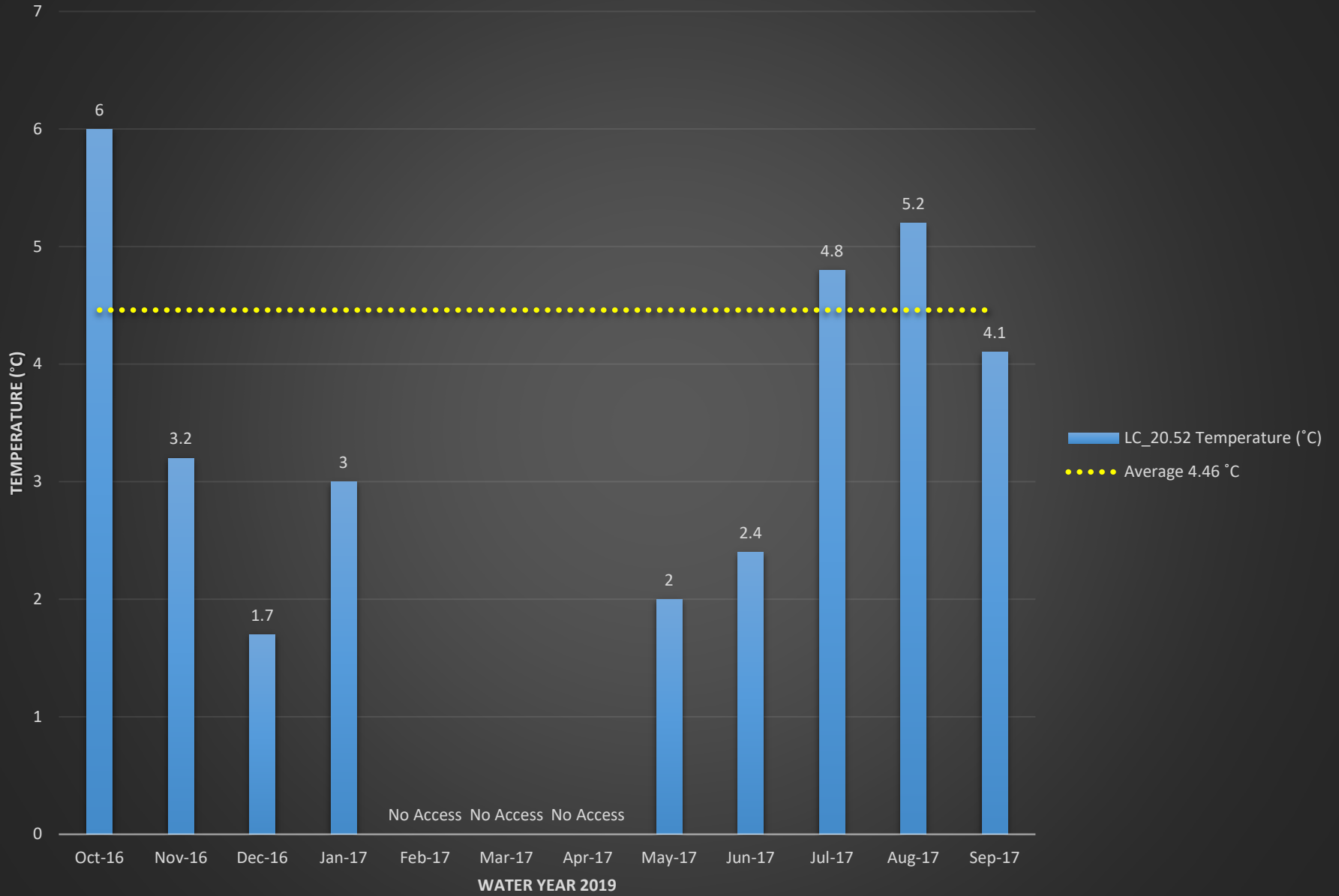
LC_16.72 Turbidity (NTU)



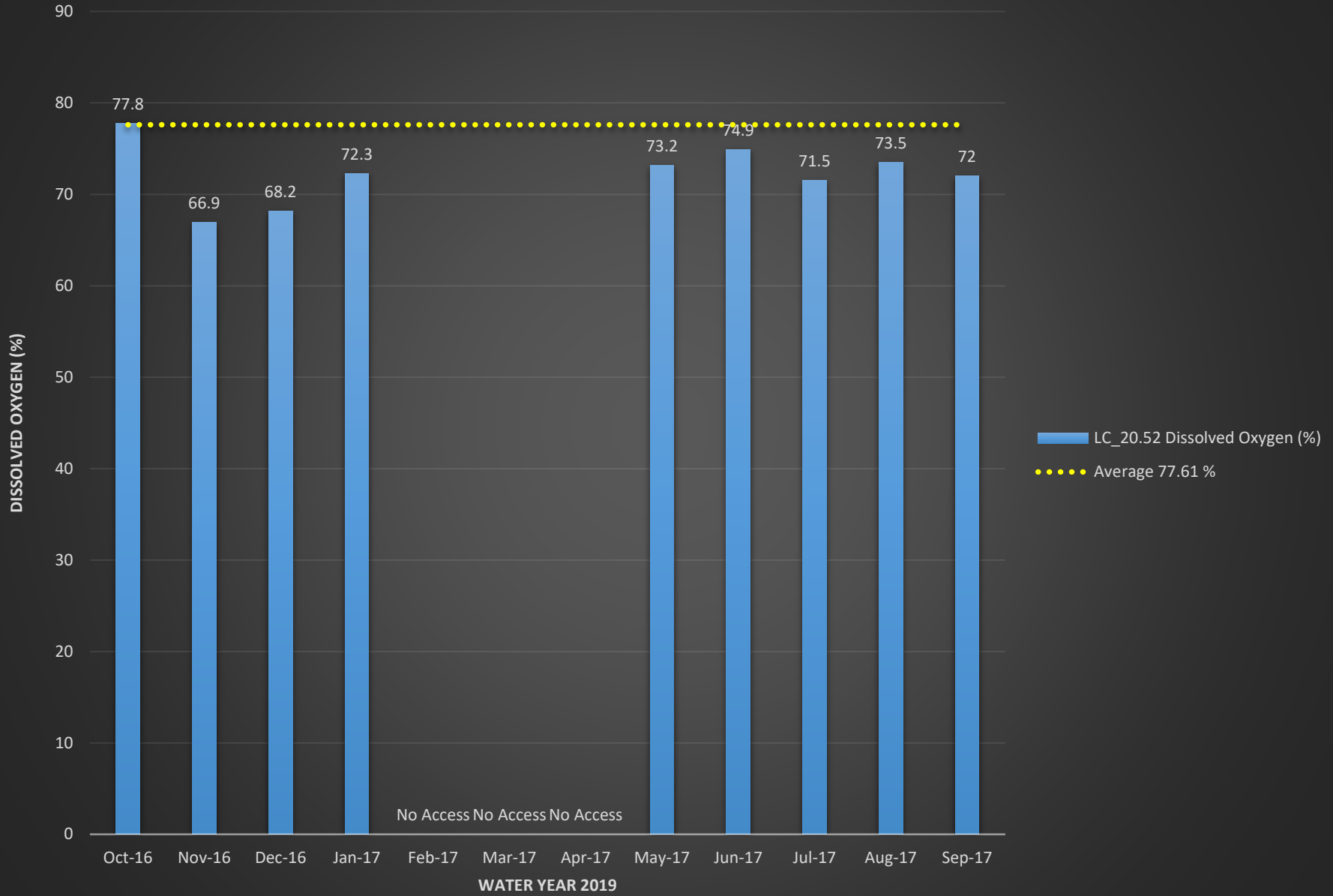
LC_20.52 E.coli (MPN)



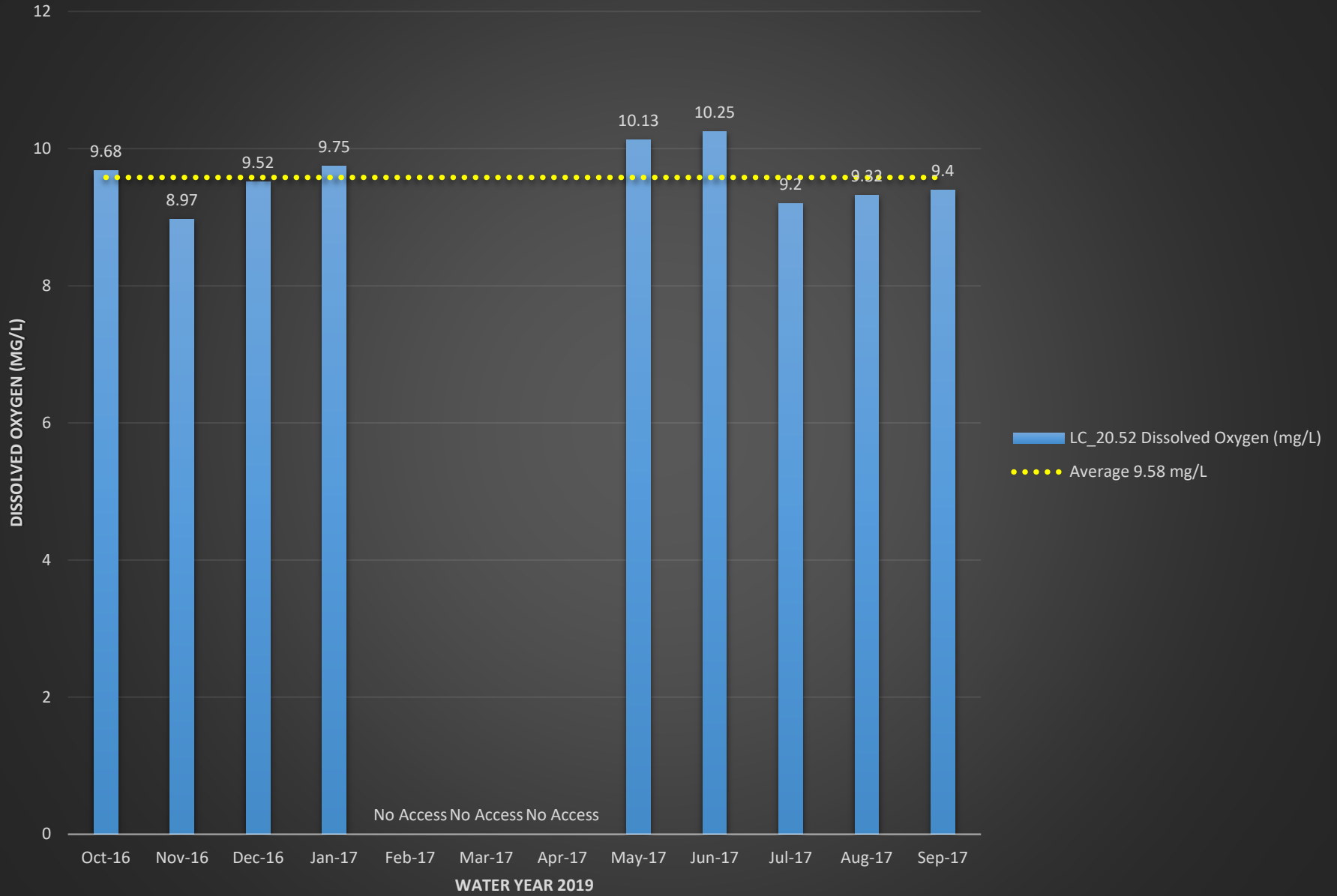
LC_20.52 Temperature (°C)



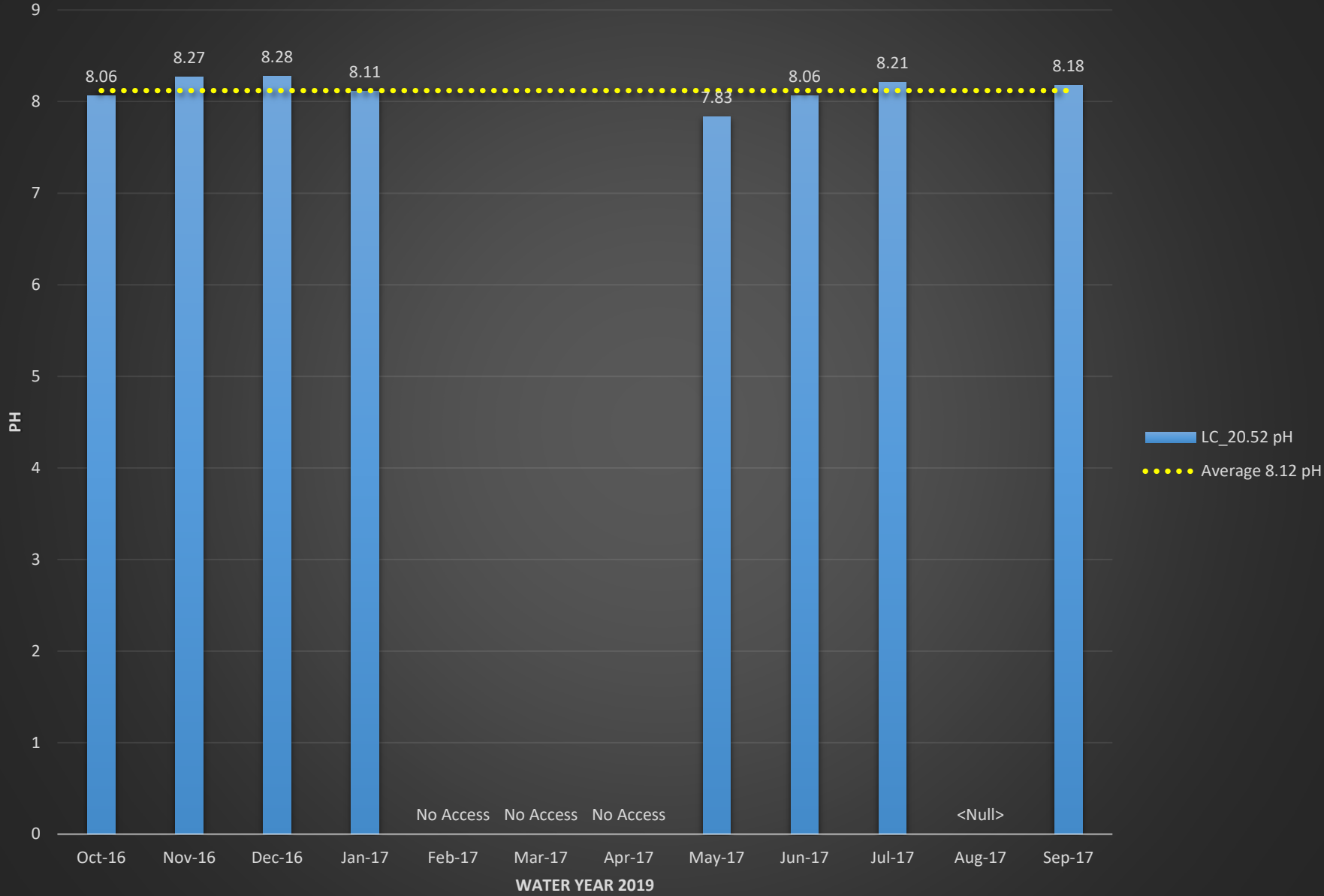
LC_20.52 Dissolved Oxygen (%)



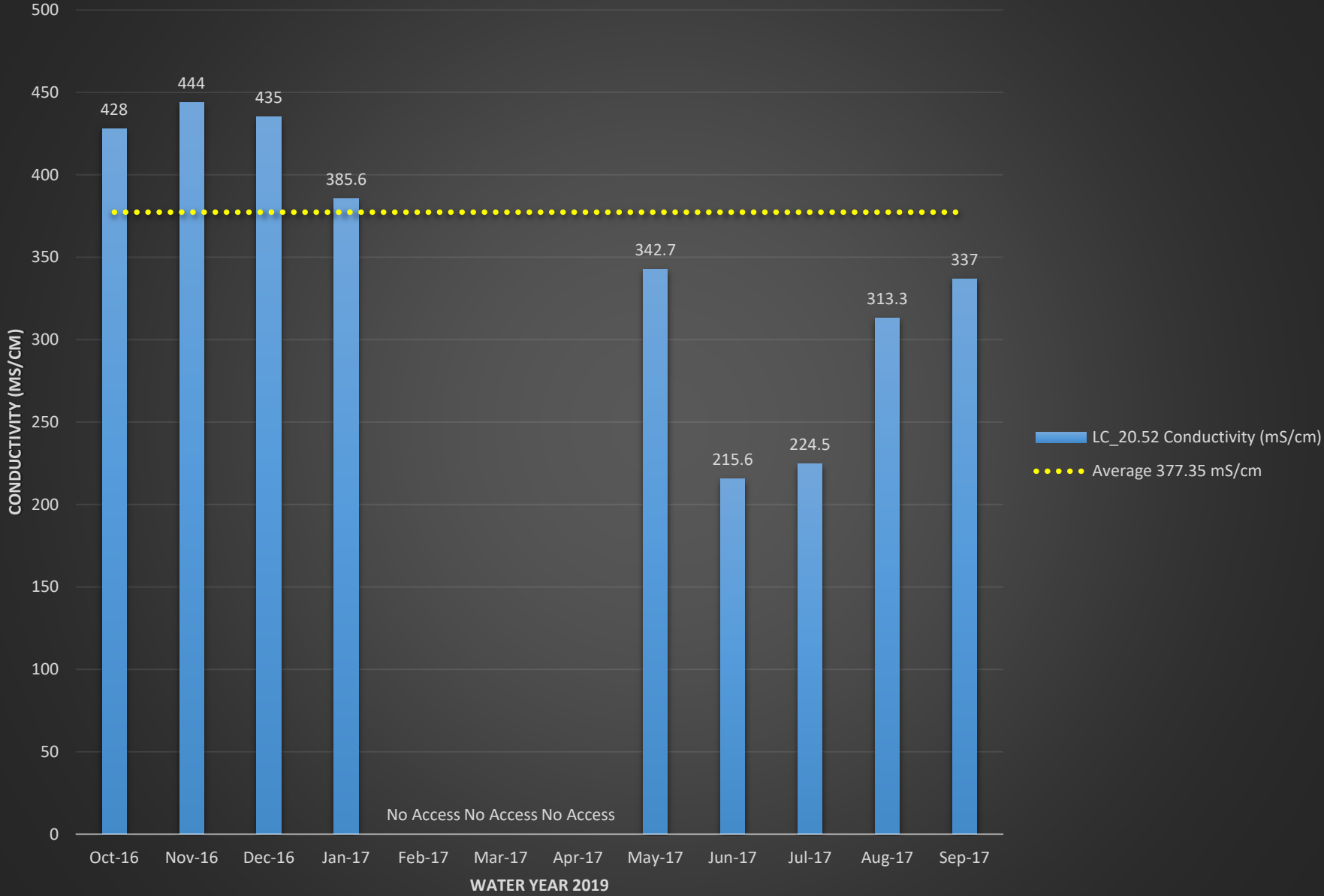
LC_20.52 Dissolved Oxygen (mg/L)



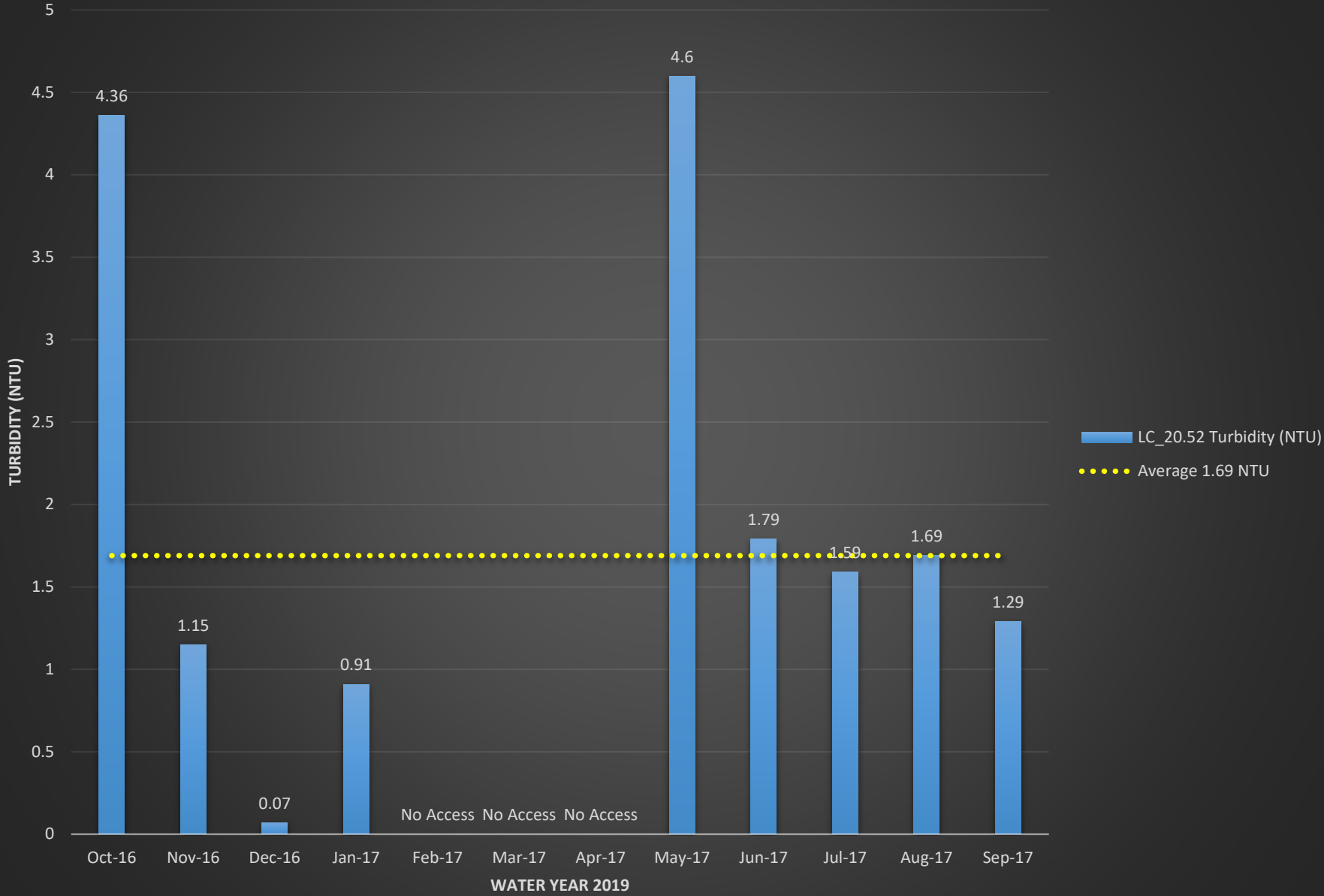
LC_20.52 pH



LC_20.52 Conductivity (mS/cm)

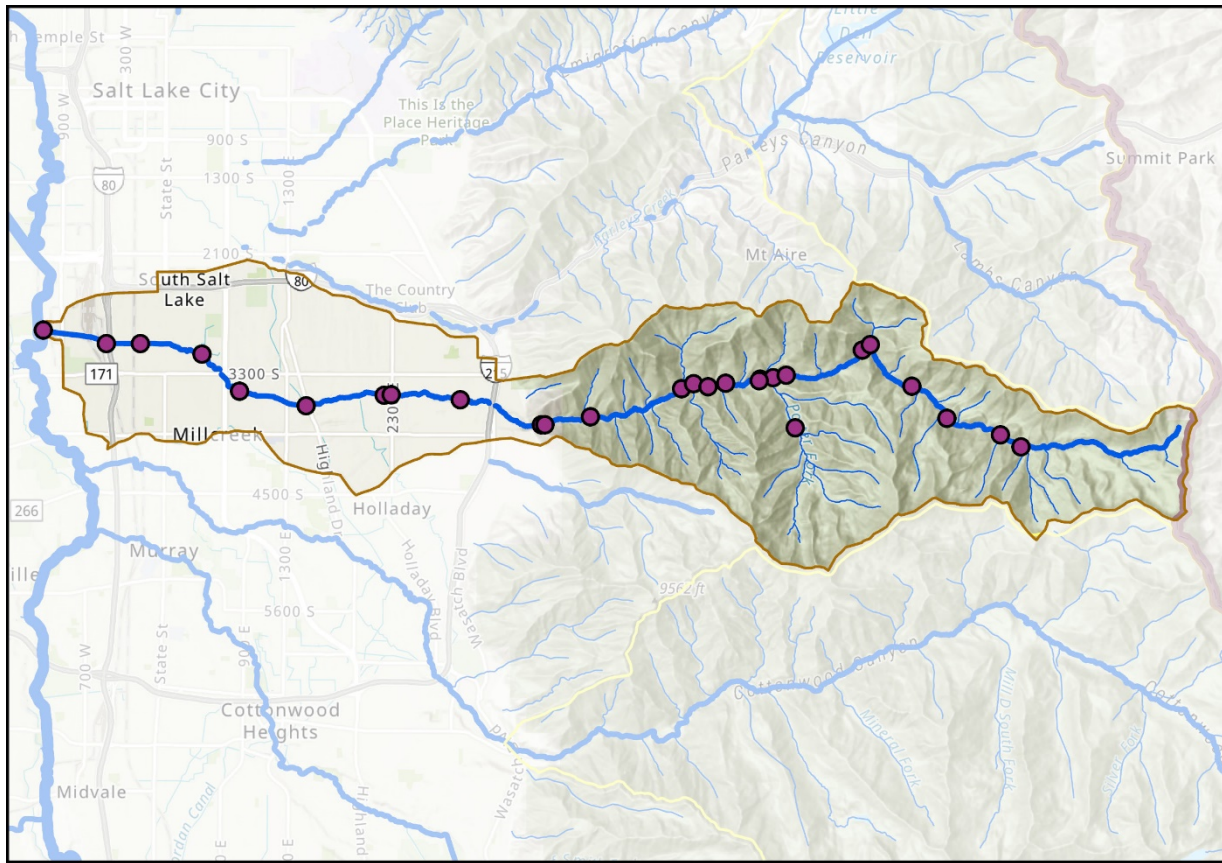


LC_20.52 Turbidity (NTU)



MILL CREEK SUBWATERSHED

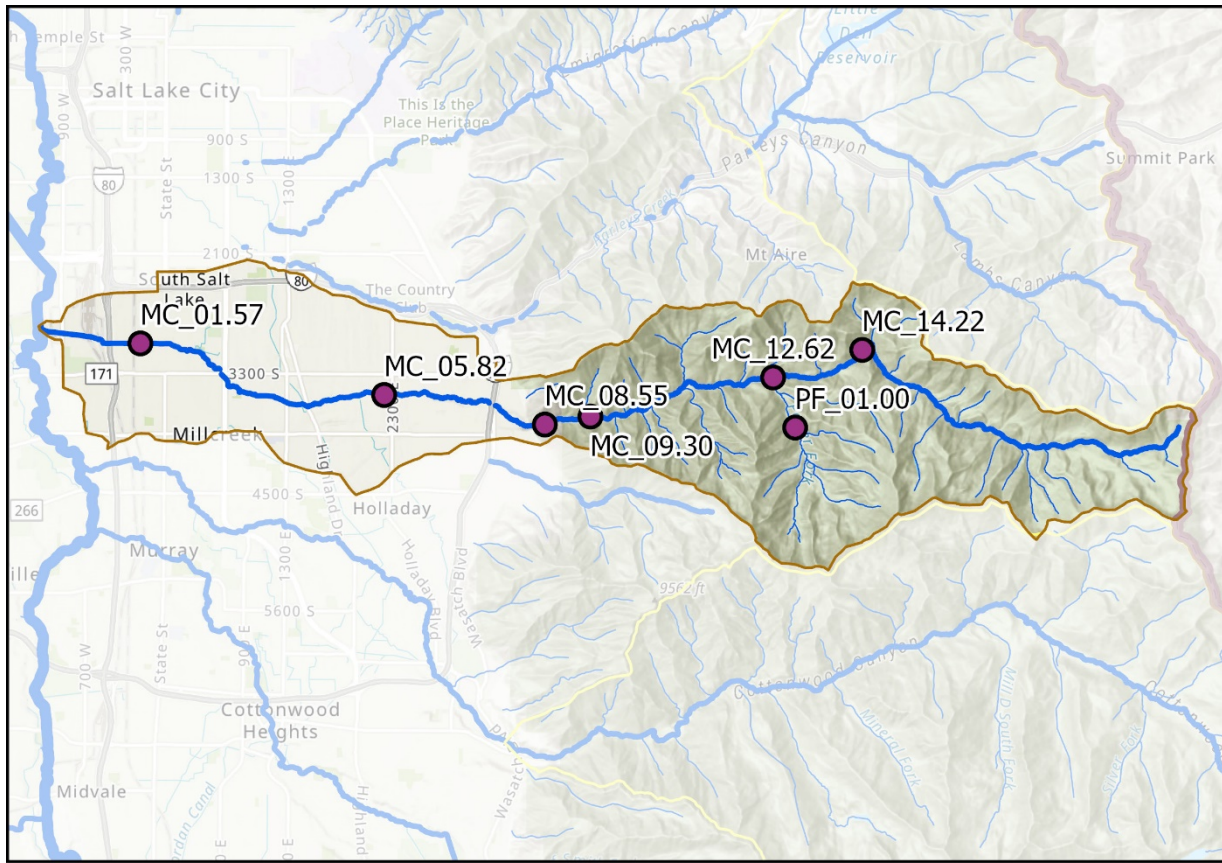
Subwatershed Map with All Sample Sites



- 2019 Sample Locations
- Salt Lake County Boundary
- SLC Drinking Water Protection Area
- Tributary
- Creek
- River



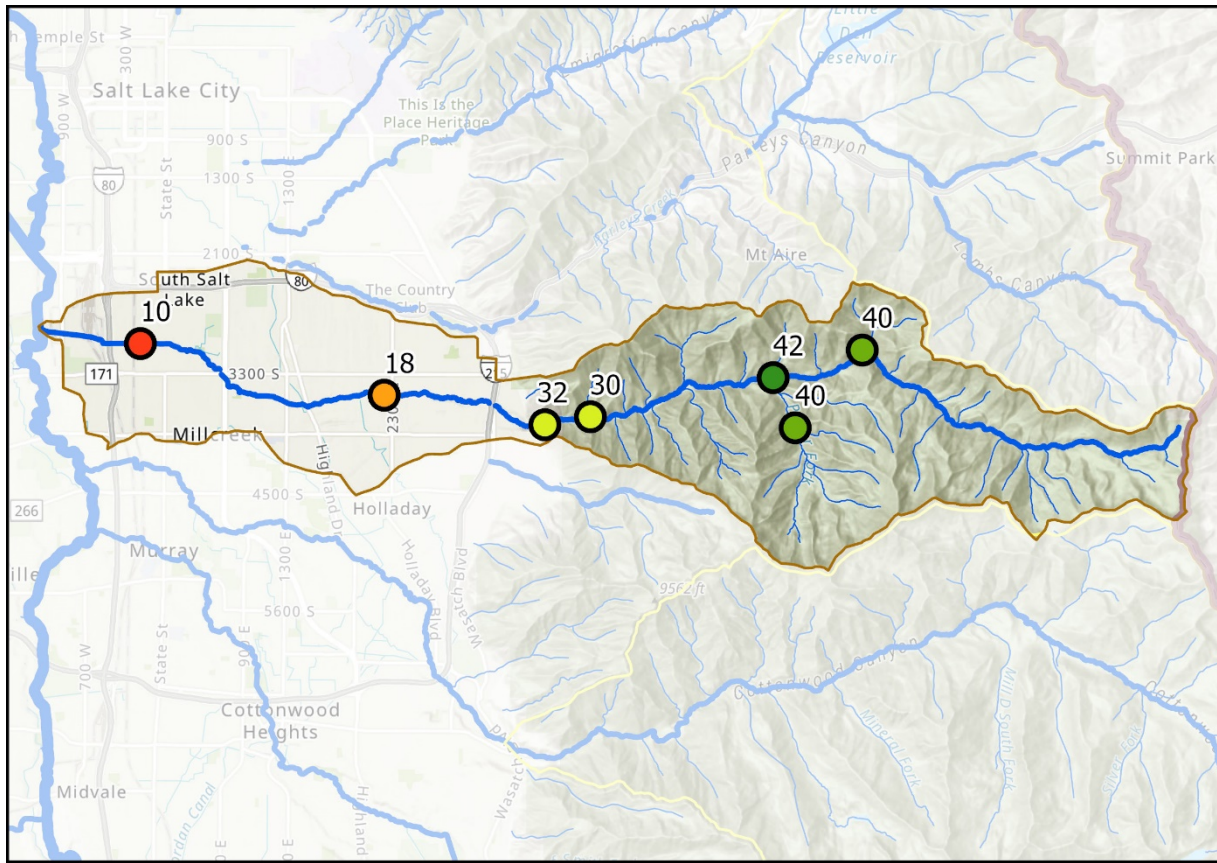
Subwatershed Map with Macroinvertebrate Sample Sites



- 2019 Macroinvertebrate Sample Locations
- Salt Lake County Boundary
- SLC Drinking Water Source Protection Area
- Tributary
- Creek
- River



Macroinvertebrate Karr-BIBI Results



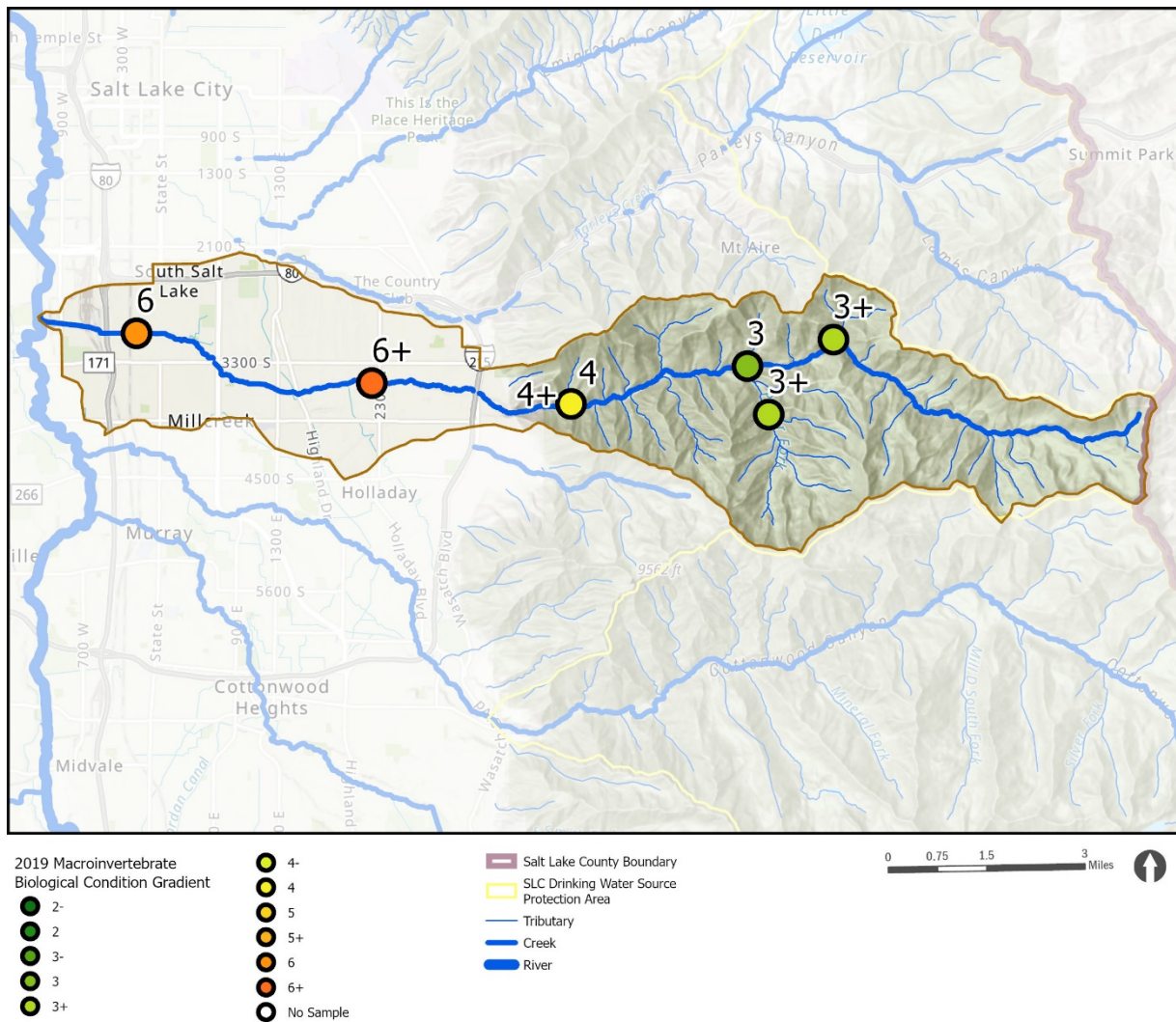
2019 Macroinvertebrate
Karr BIBI

- ≤28
- ≤32
- ≤36
- ≤40
- ≤44
- ≤48

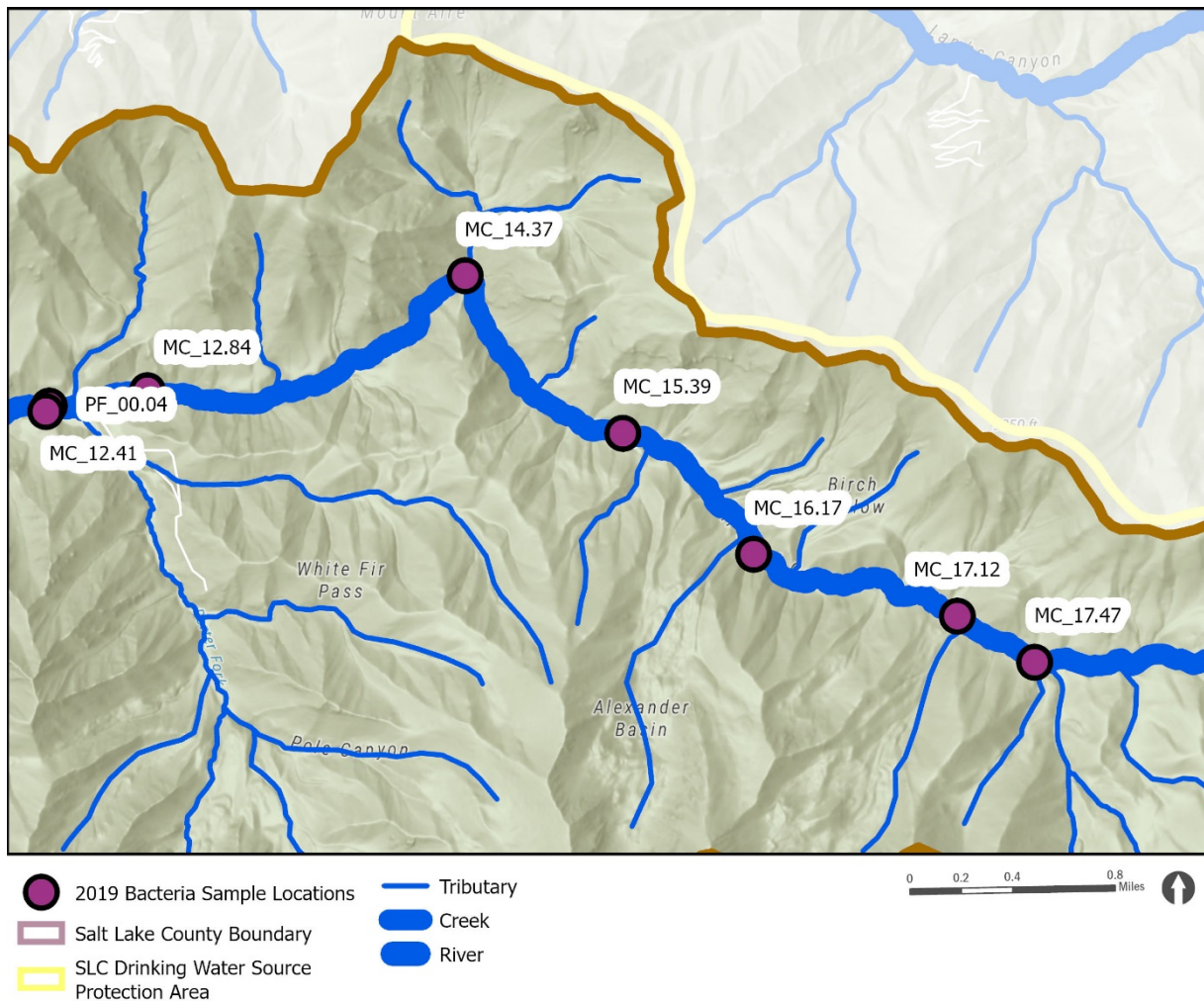
- No Sample
- ▭ Salt Lake County Boundary
- ▭ SLC Drinking Water Source Protection Area
- Tributary
- Creek
- River



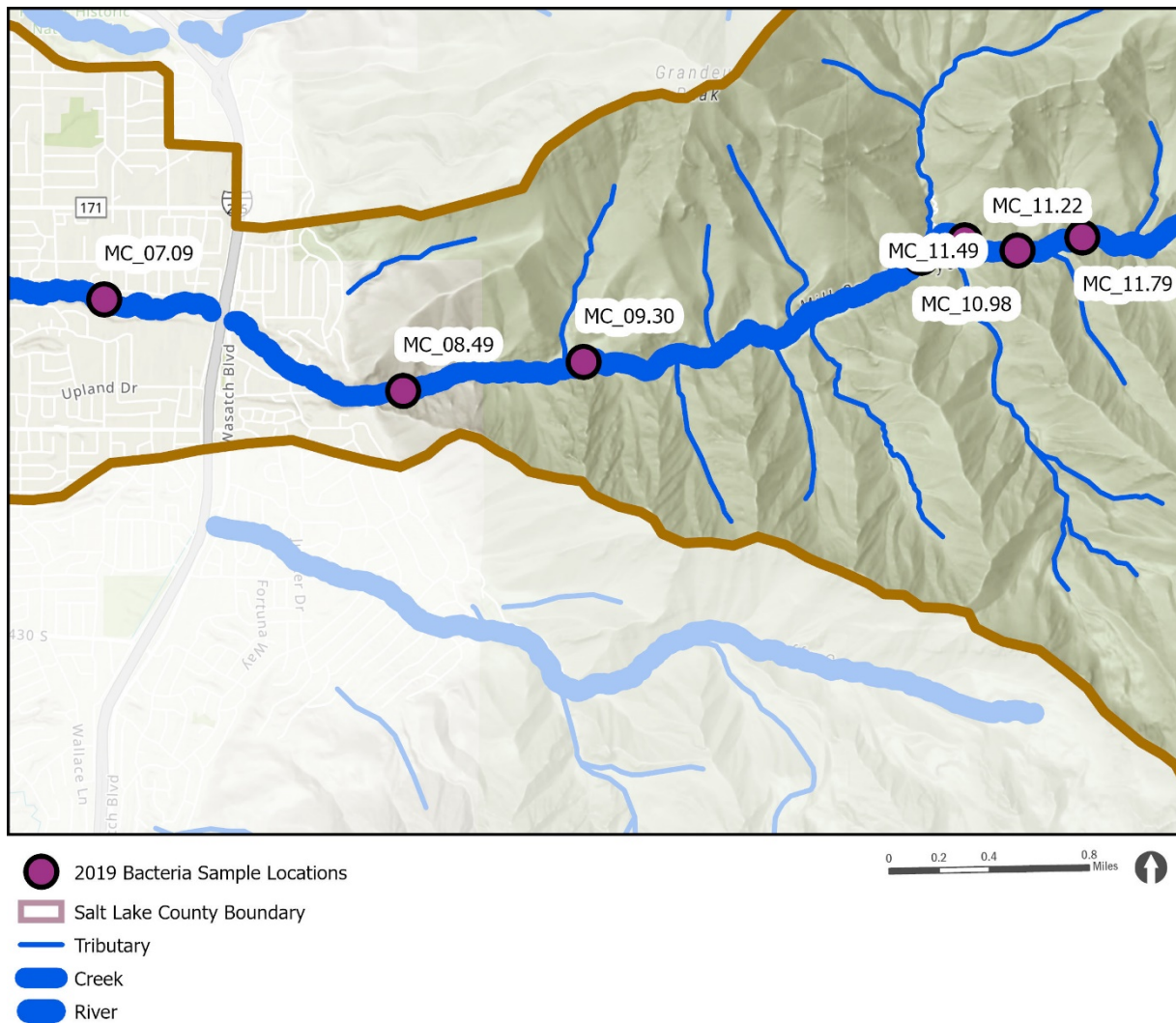
Macroinvertebrate Biological Condition Gradient (BCG) Results



Subwatershed Map with Bacteria Sample Sites (upper)



Subwatershed Map with Bacteria Sample Sites (middle)



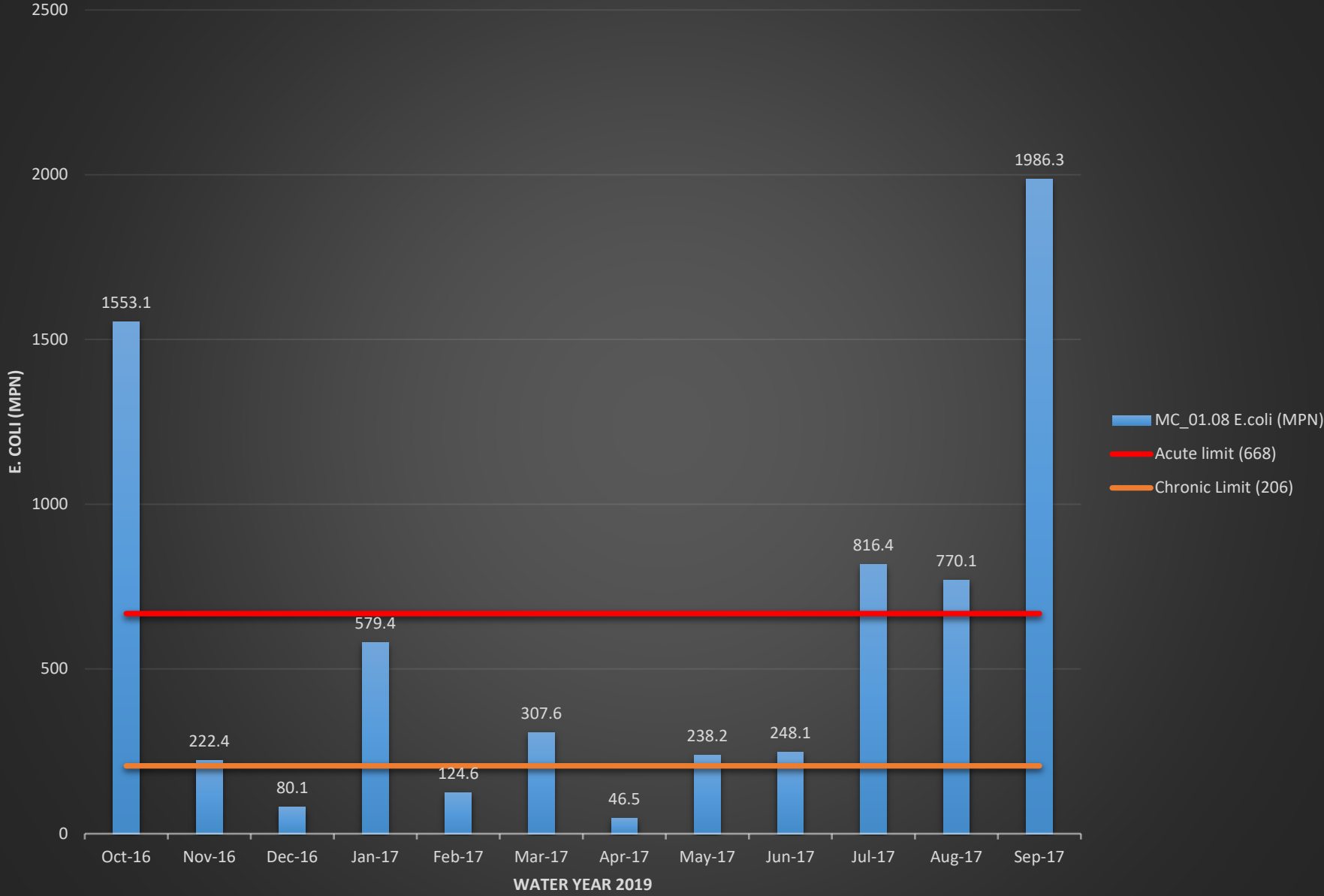
Subwatershed Map with Bacteria Sample Sites (lower)



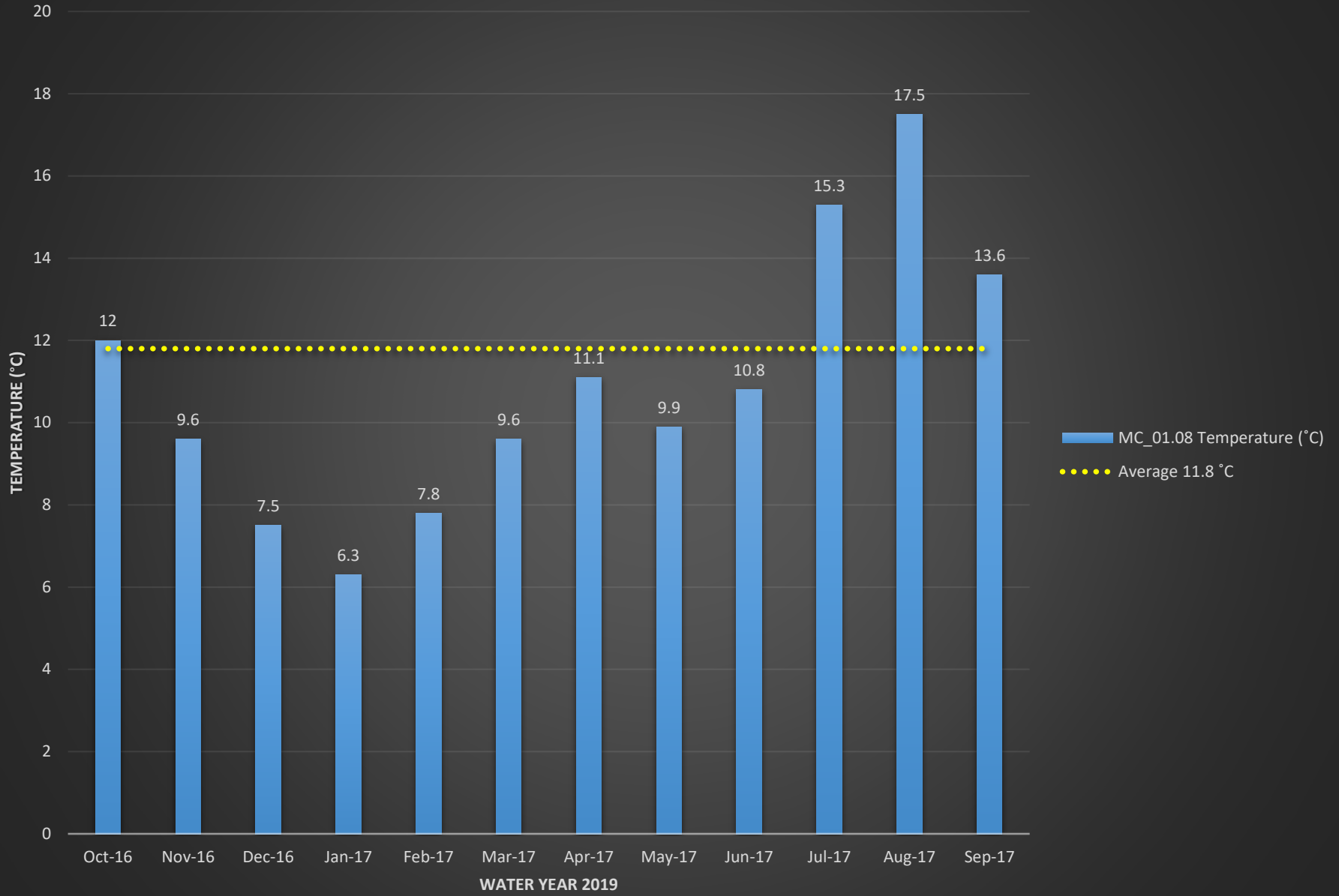
E.coli & Field Parameter Graphs

Graphs start on next page...

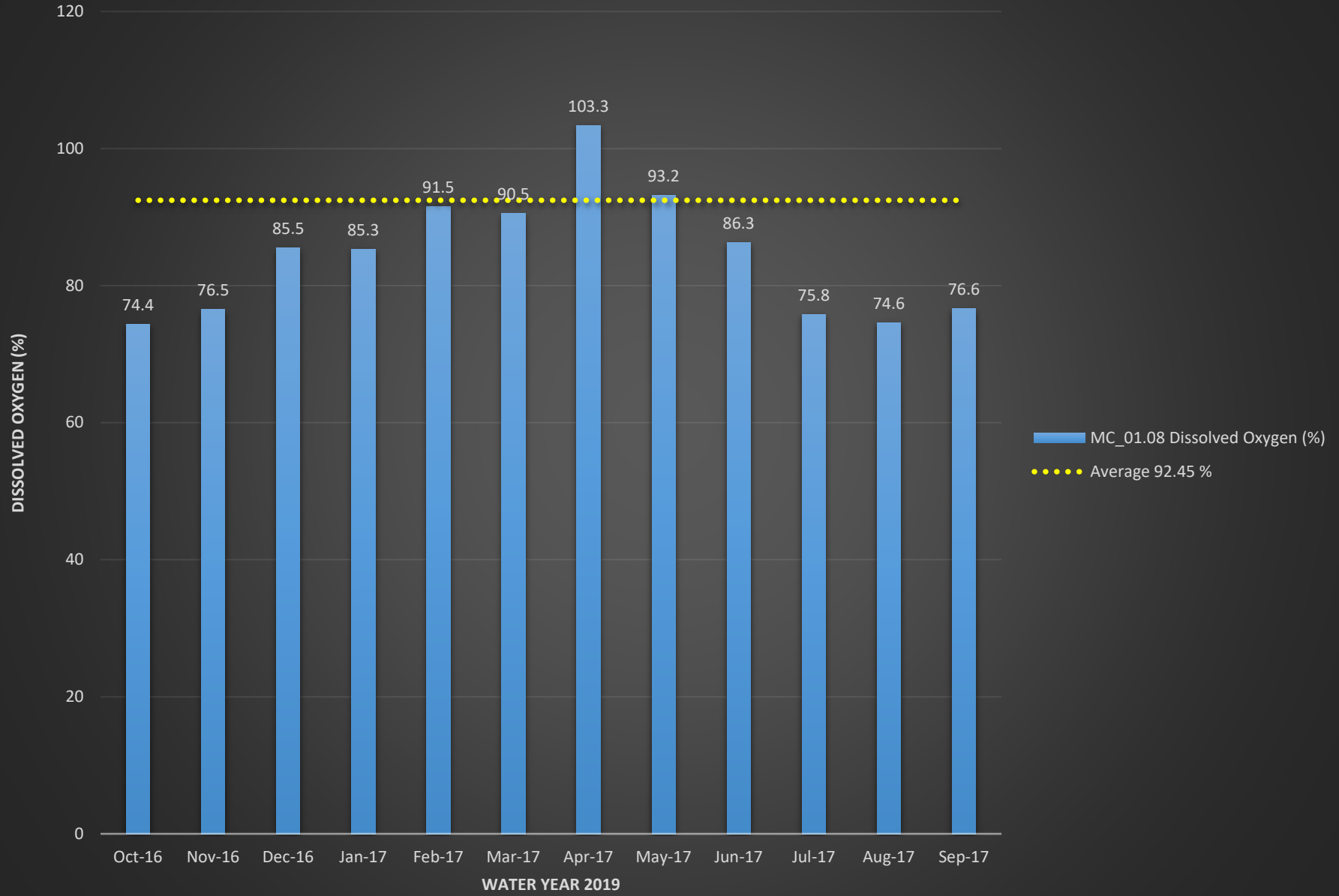
MC_01.08 E.coli (MPN)



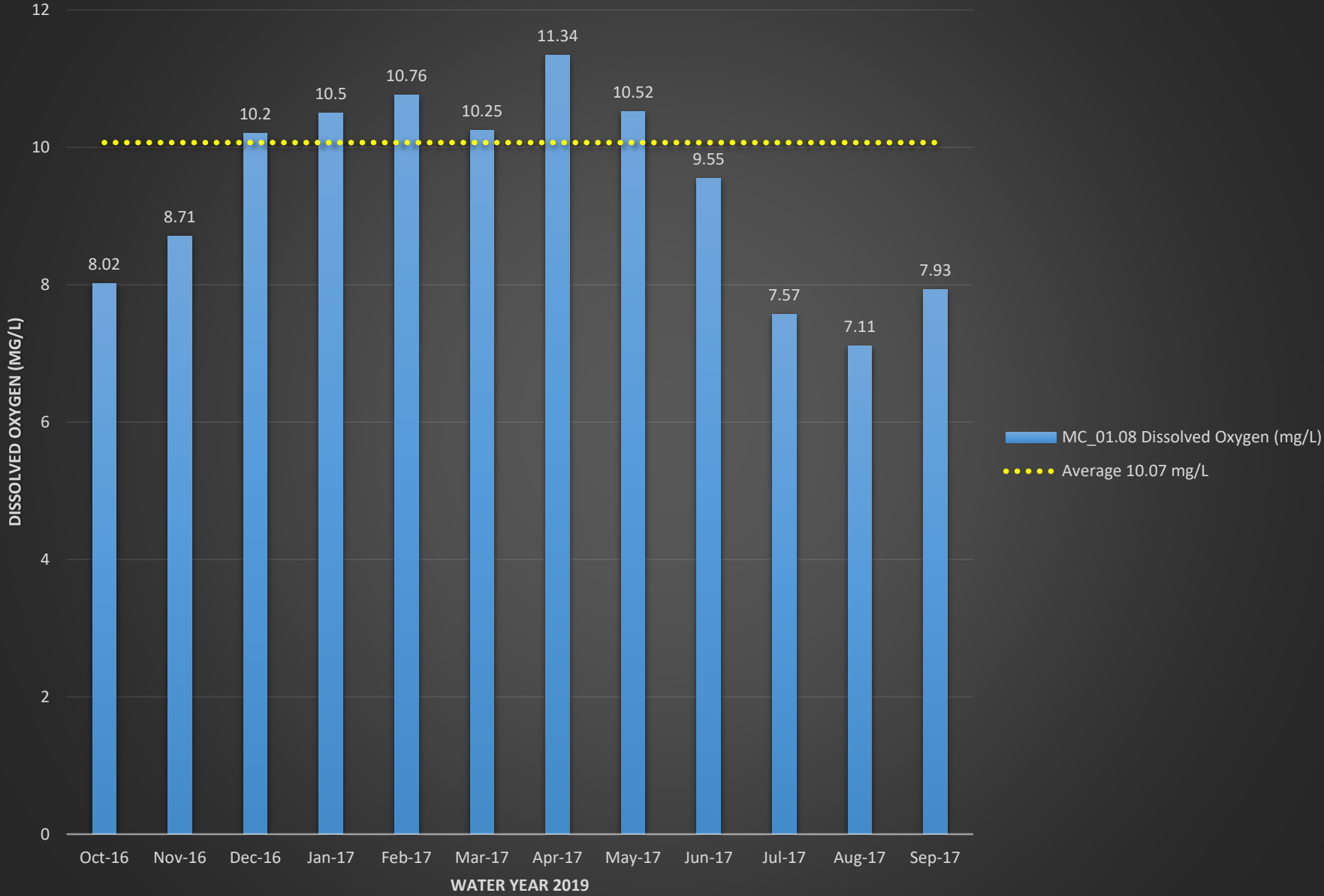
MC_01.08 Temperature (°C)



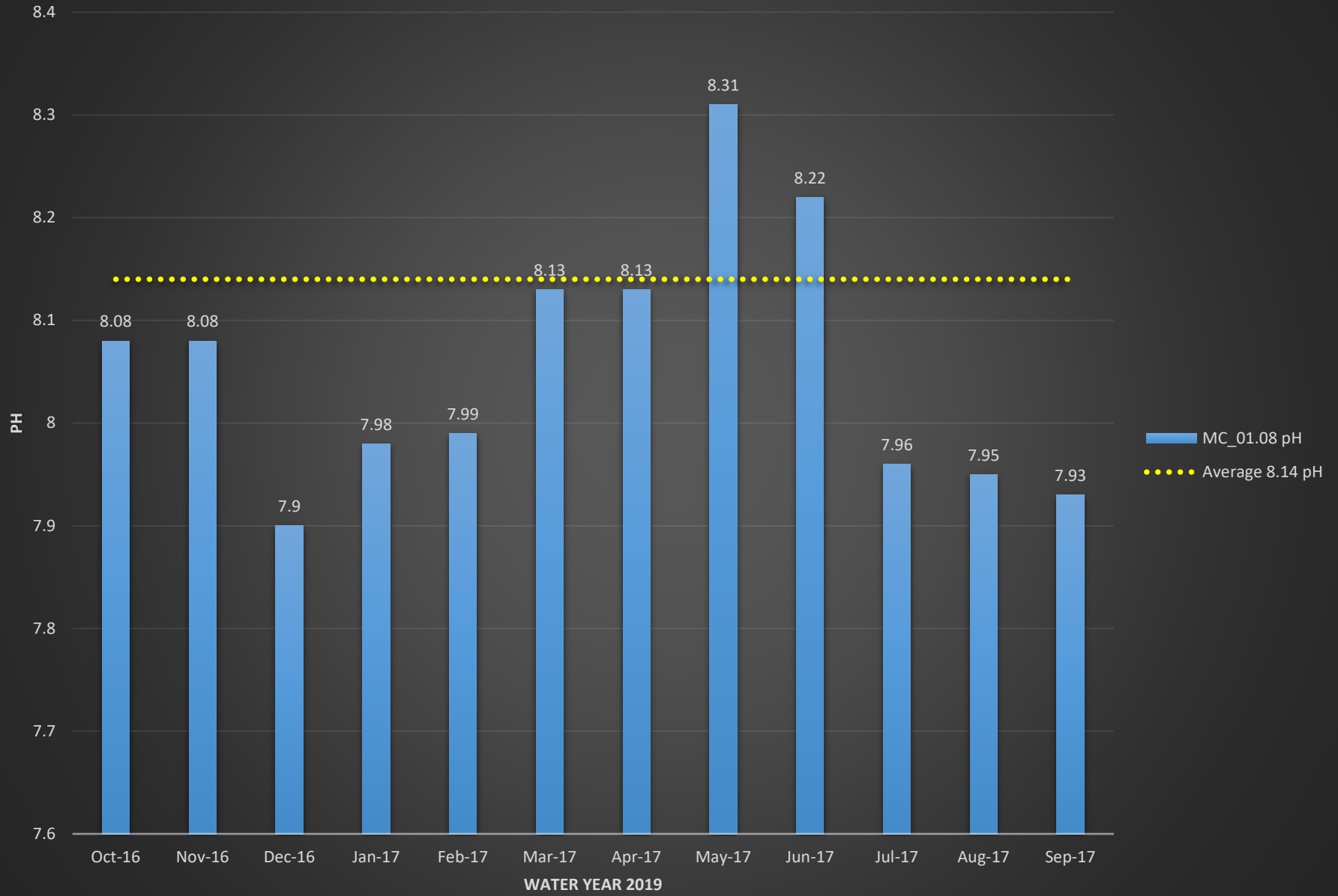
MC_01.08 Dissolved Oxygen (%)



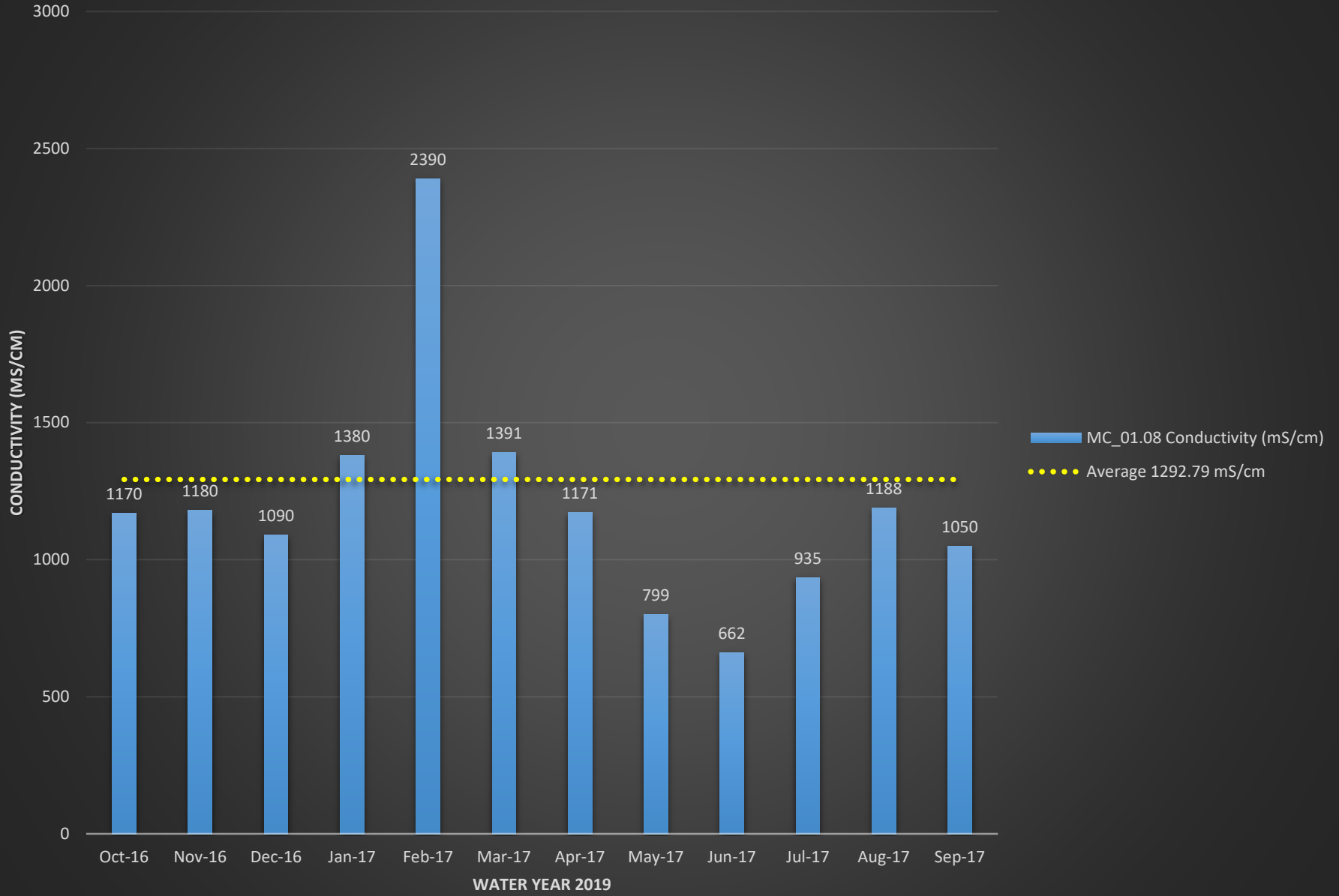
MC_01.08 Dissolved Oxygen (mg/L)



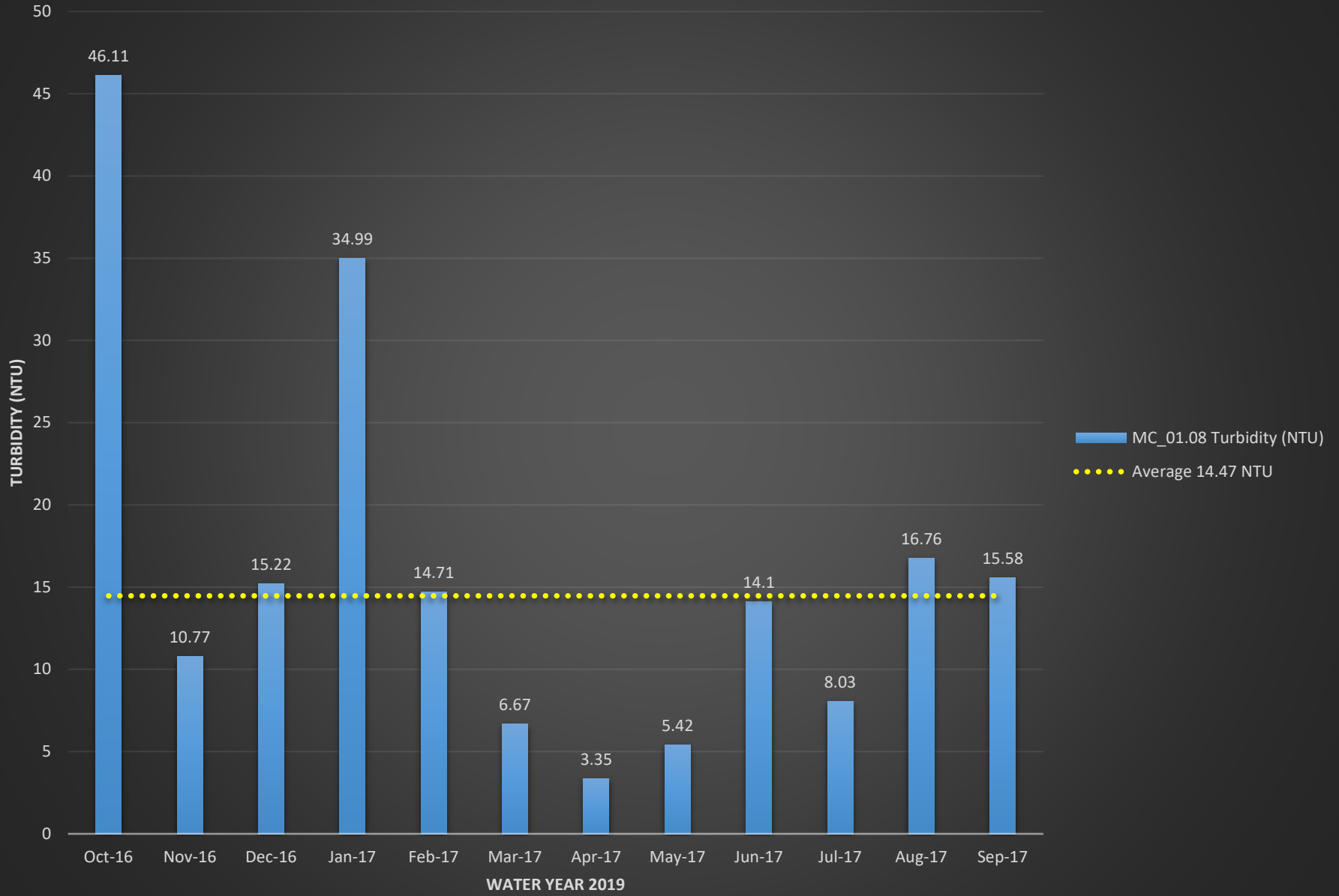
MC_01.08 pH



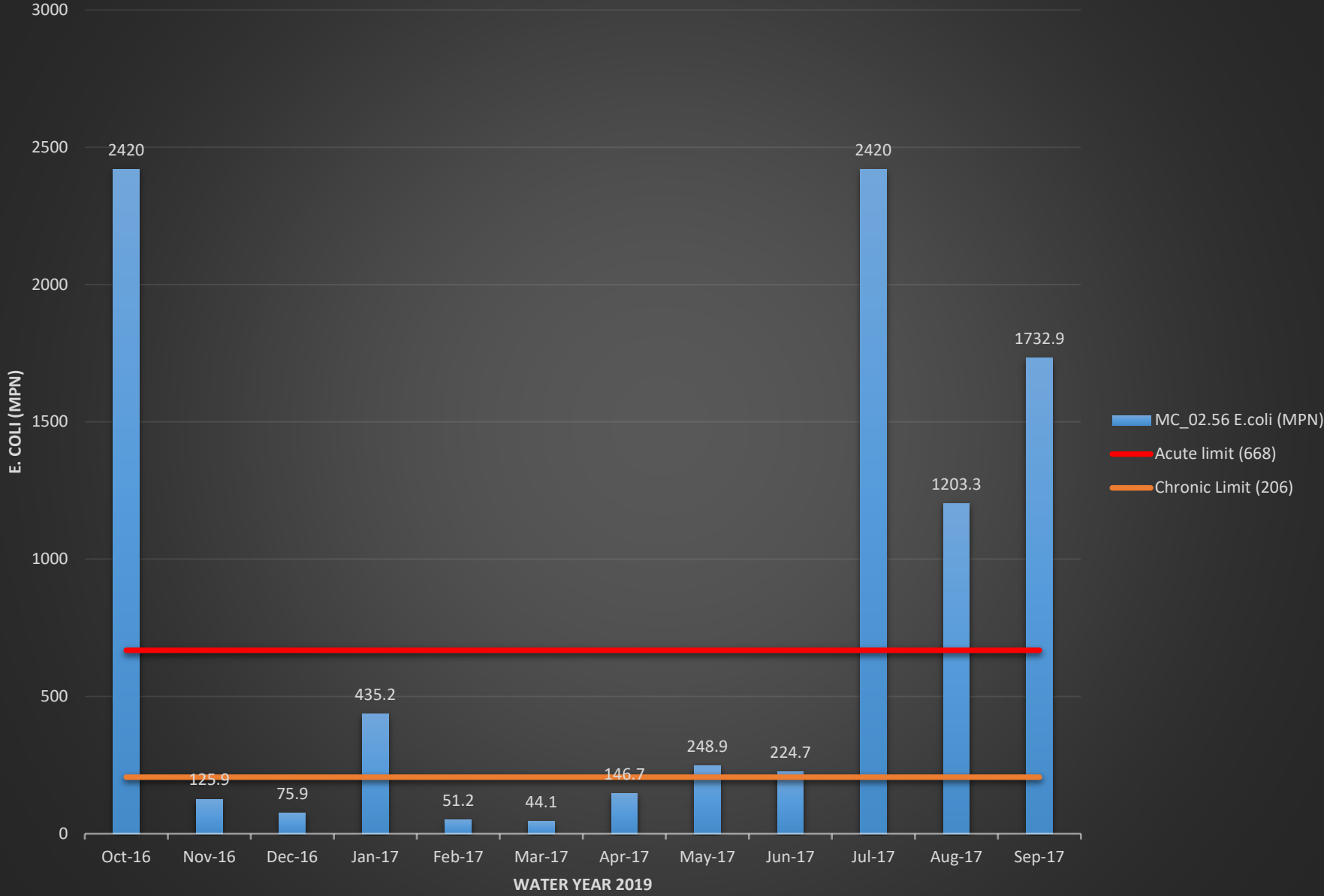
MC_01.08 Conductivity (mS/cm)



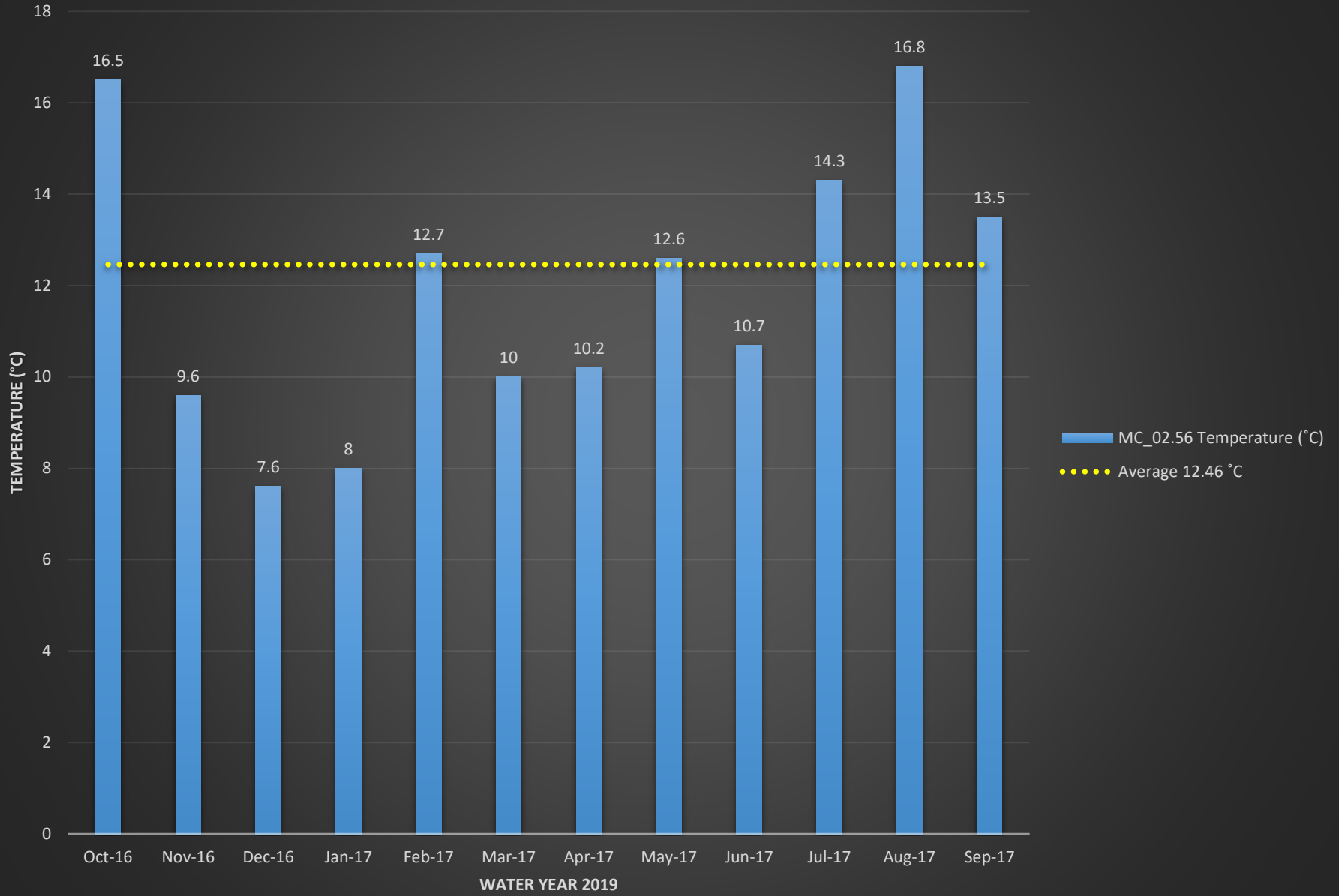
MC_01.08 Turbidity (NTU)



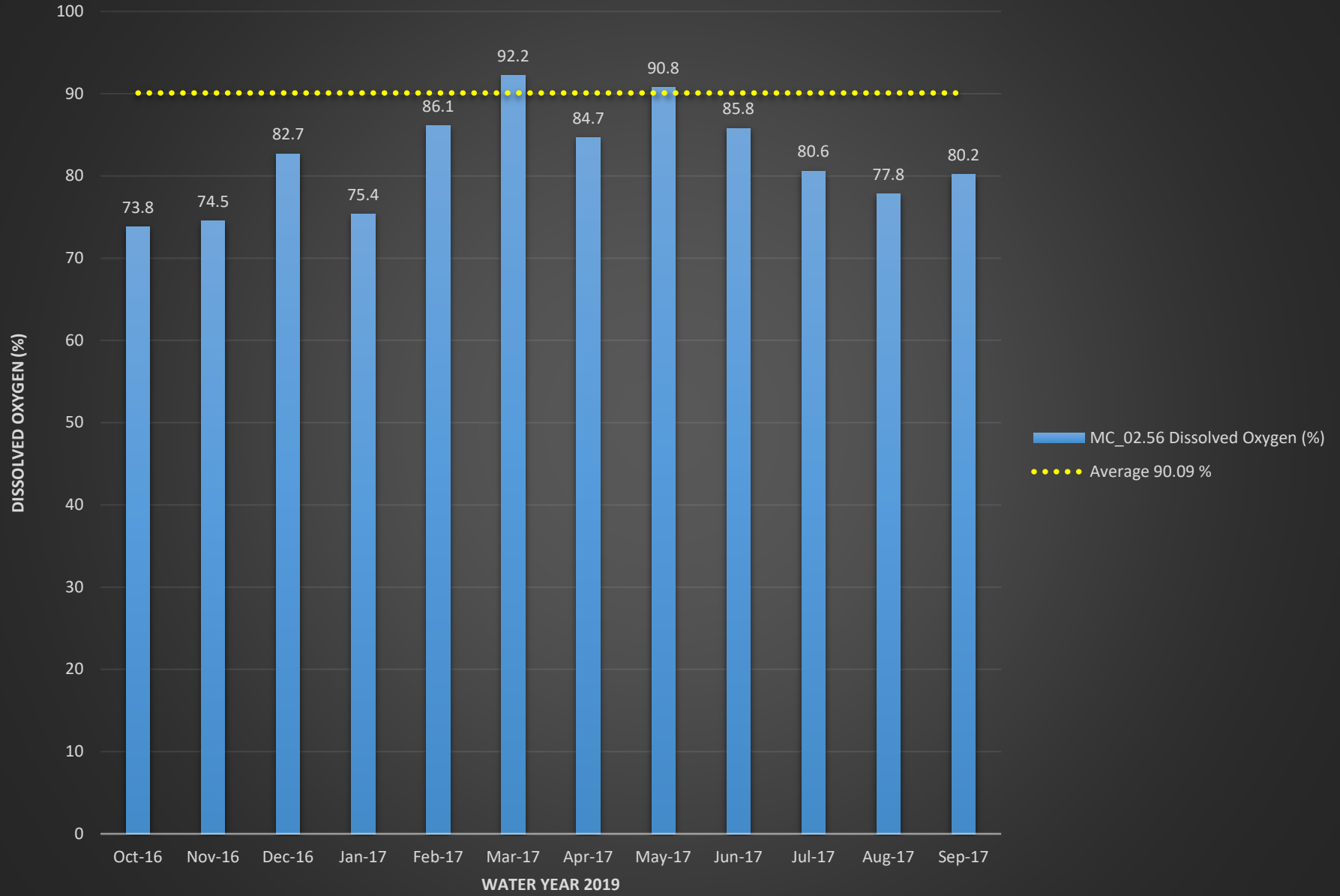
MC_02.56 E.coli (MPN)



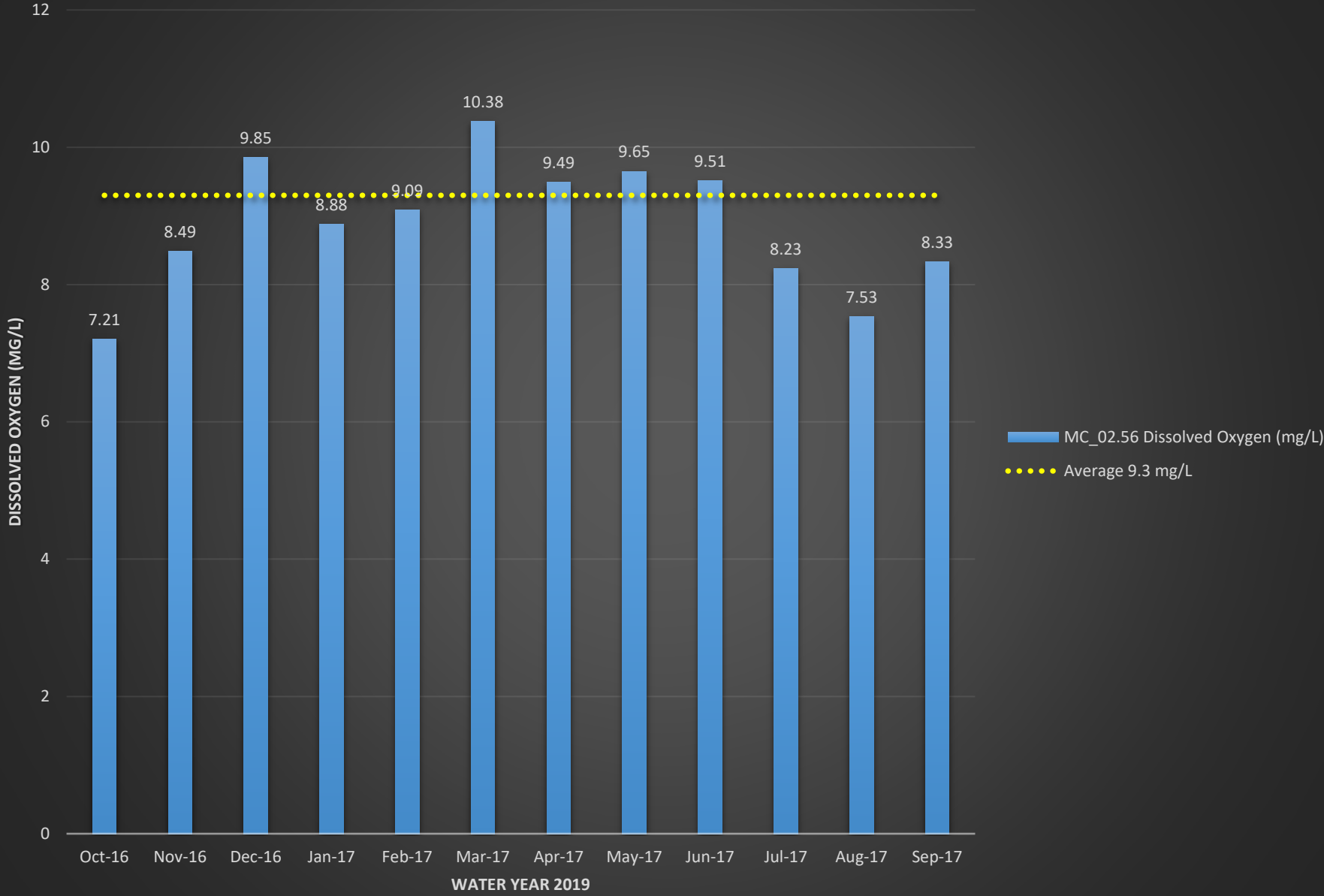
MC_02.56 Temperature (°C)



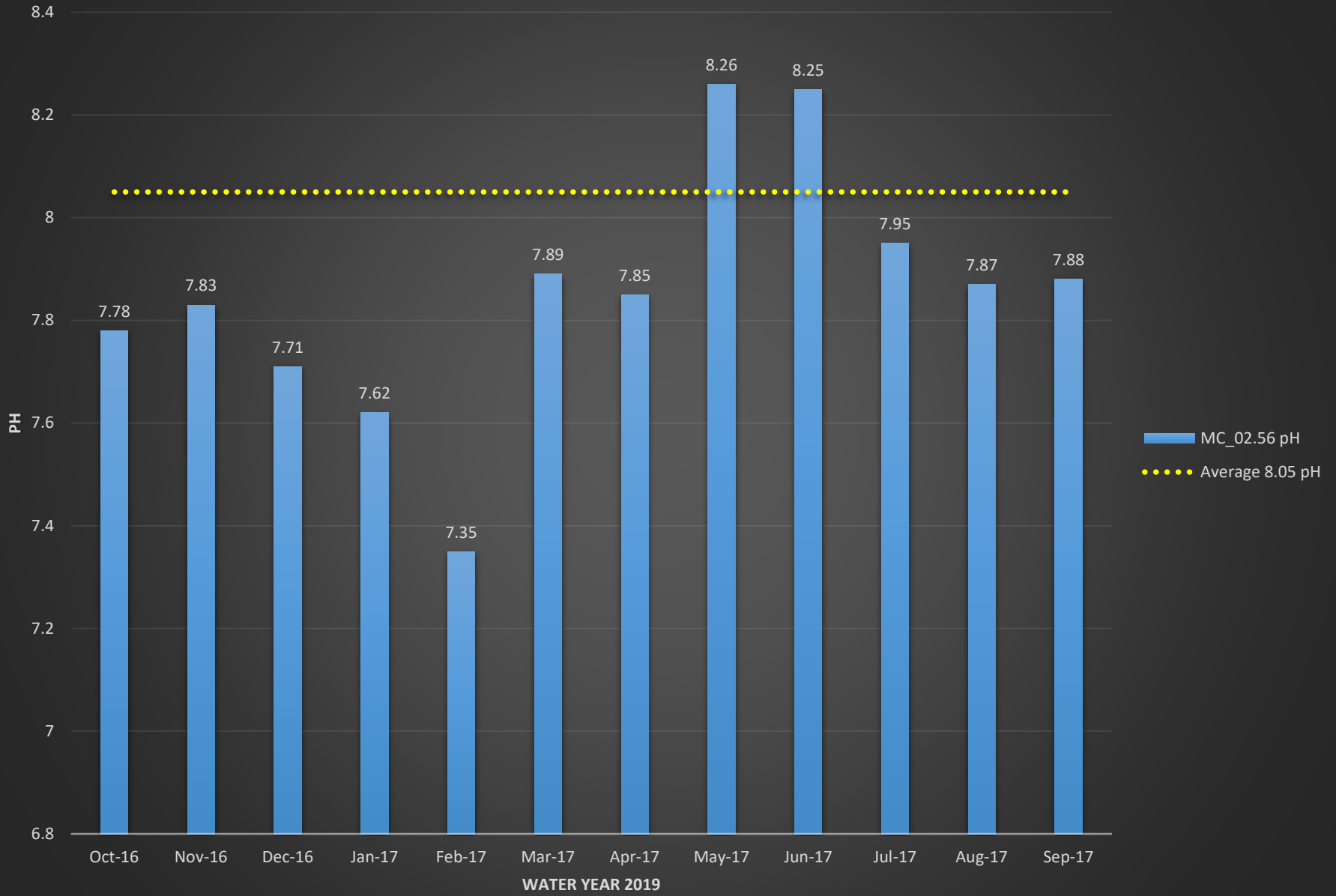
MC_02.56 Dissolved Oxygen (%)



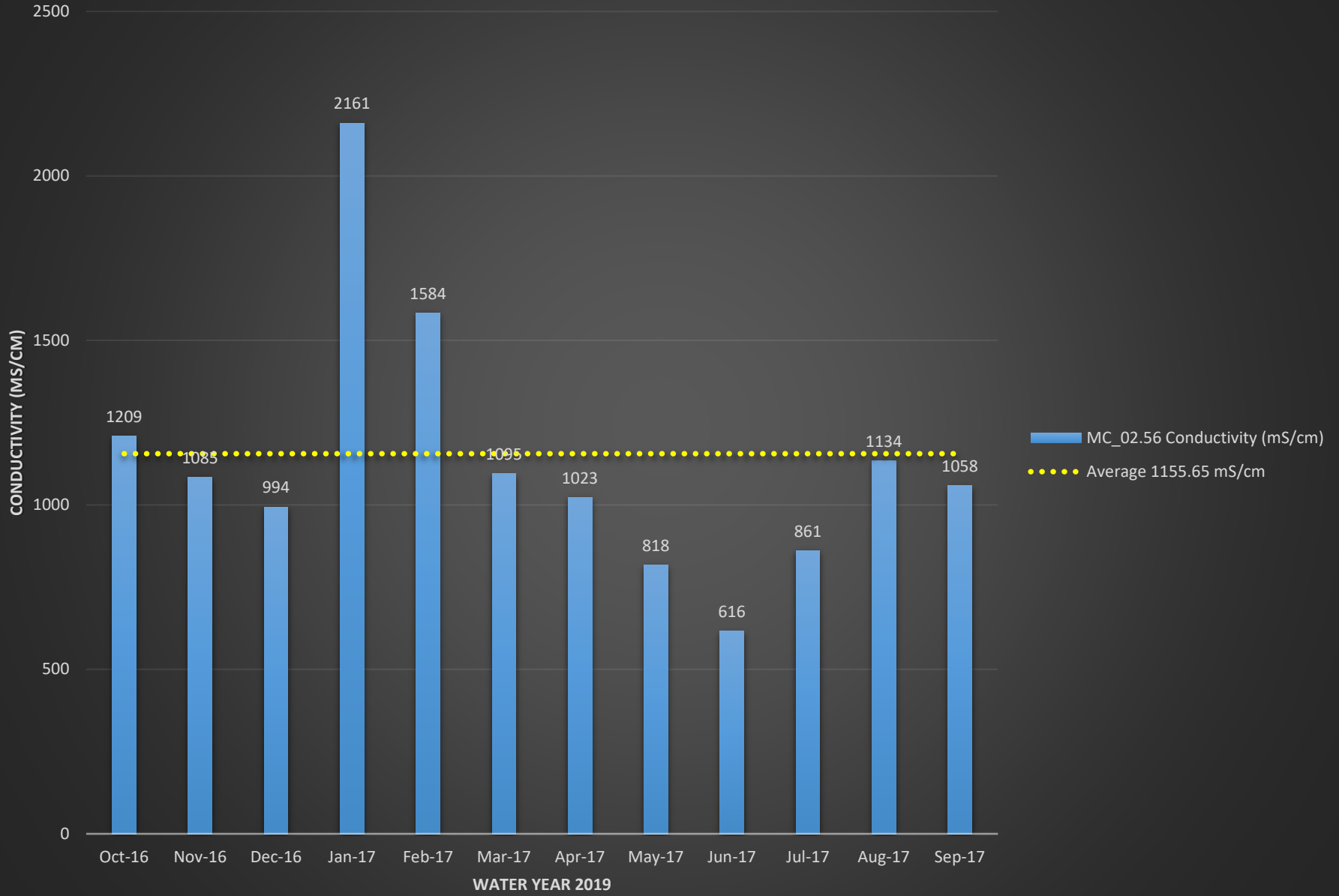
MC_02.56 Dissolved Oxygen (mg/L)



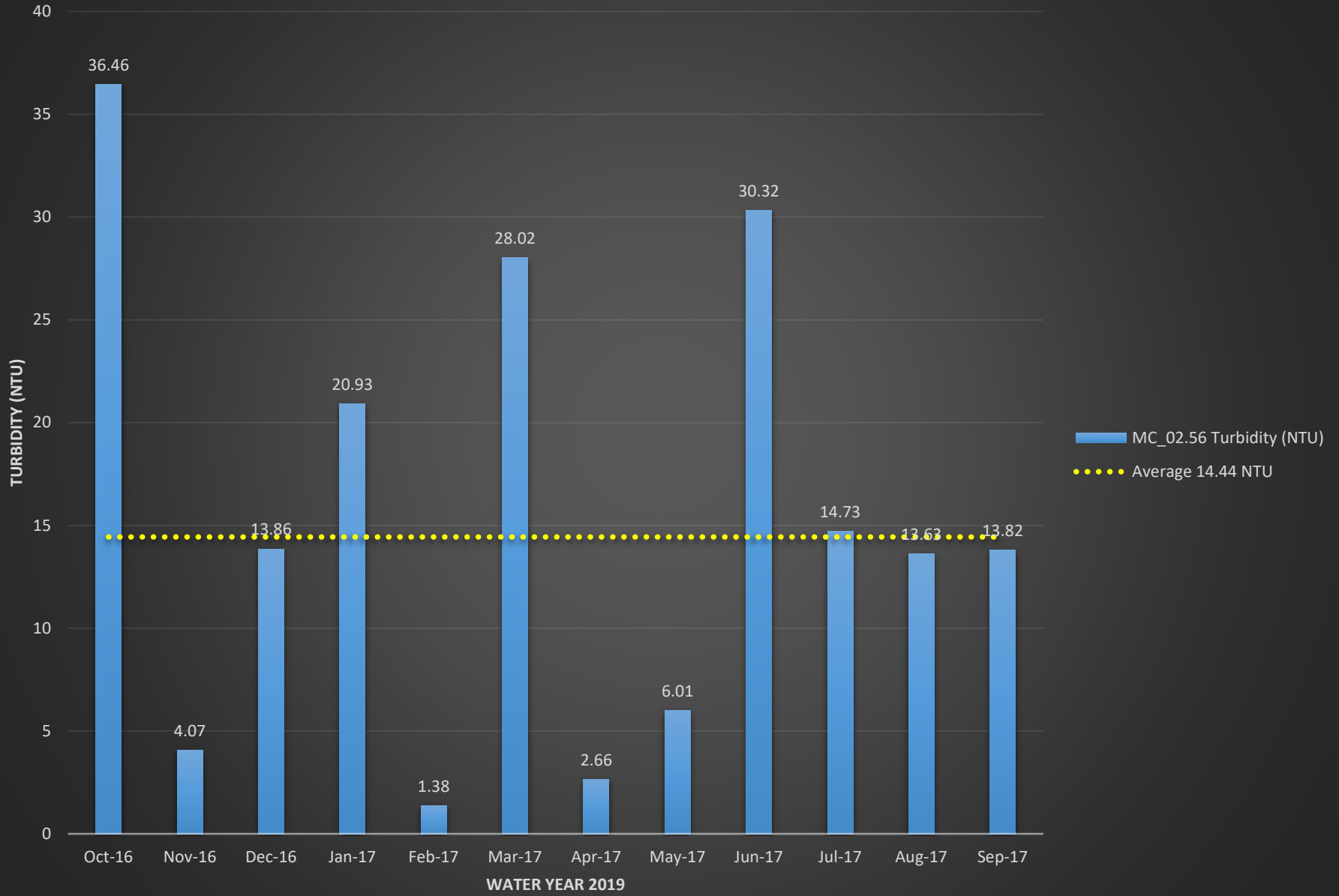
MC_02.56 pH



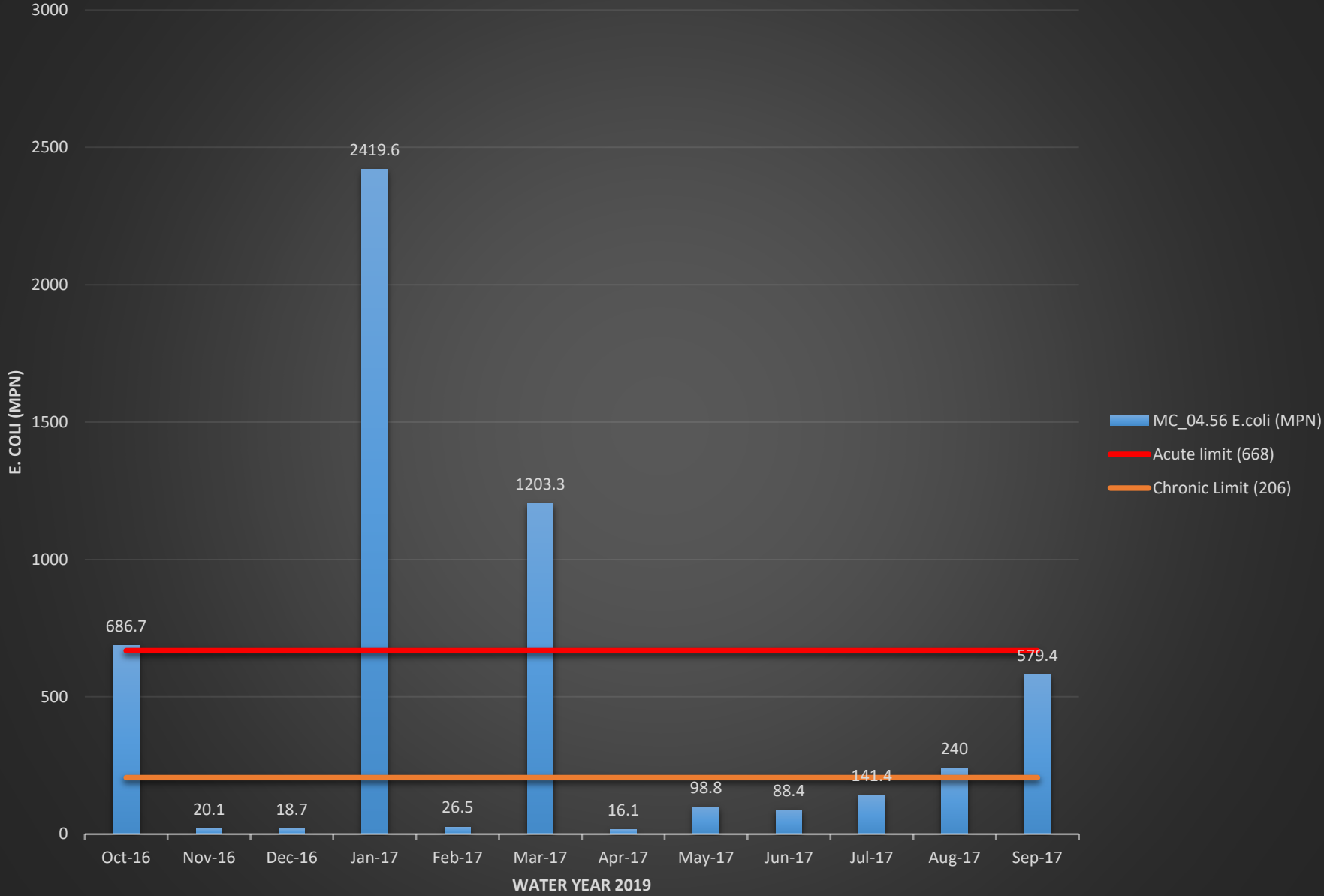
MC_02.56 Conductivity (mS/cm)



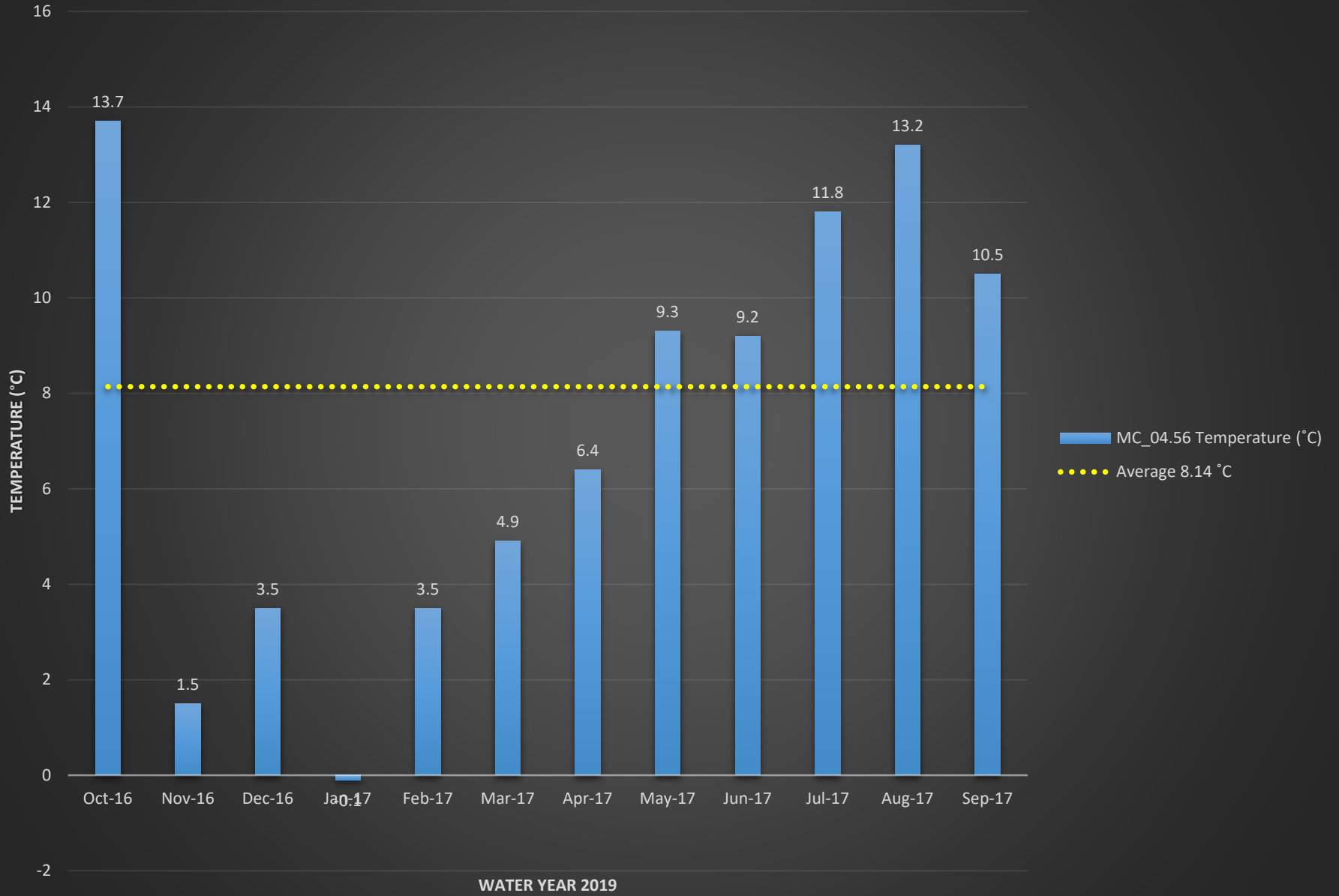
MC_02.56 Turbidity (NTU)



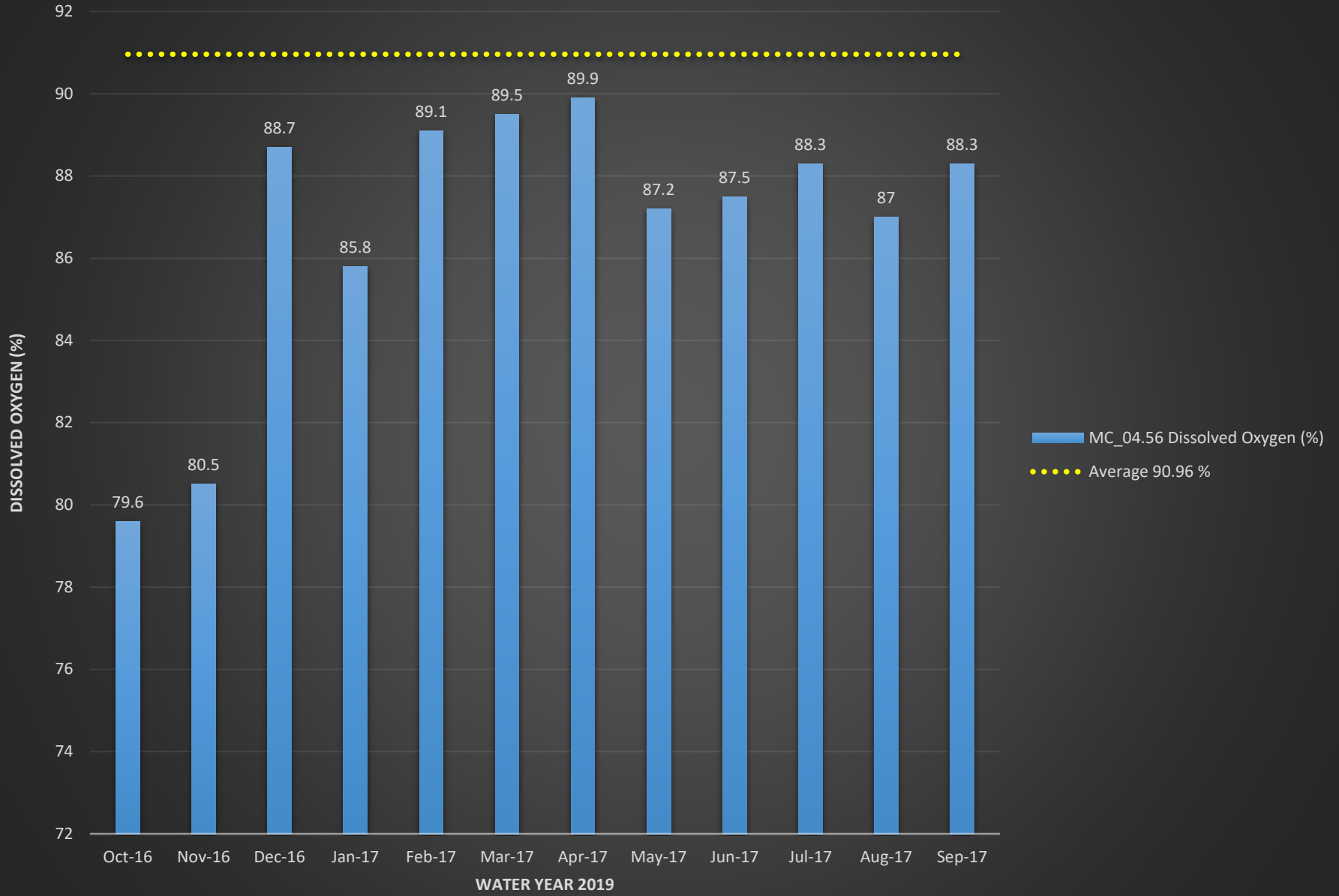
MC_04.56 E.coli (MPN)



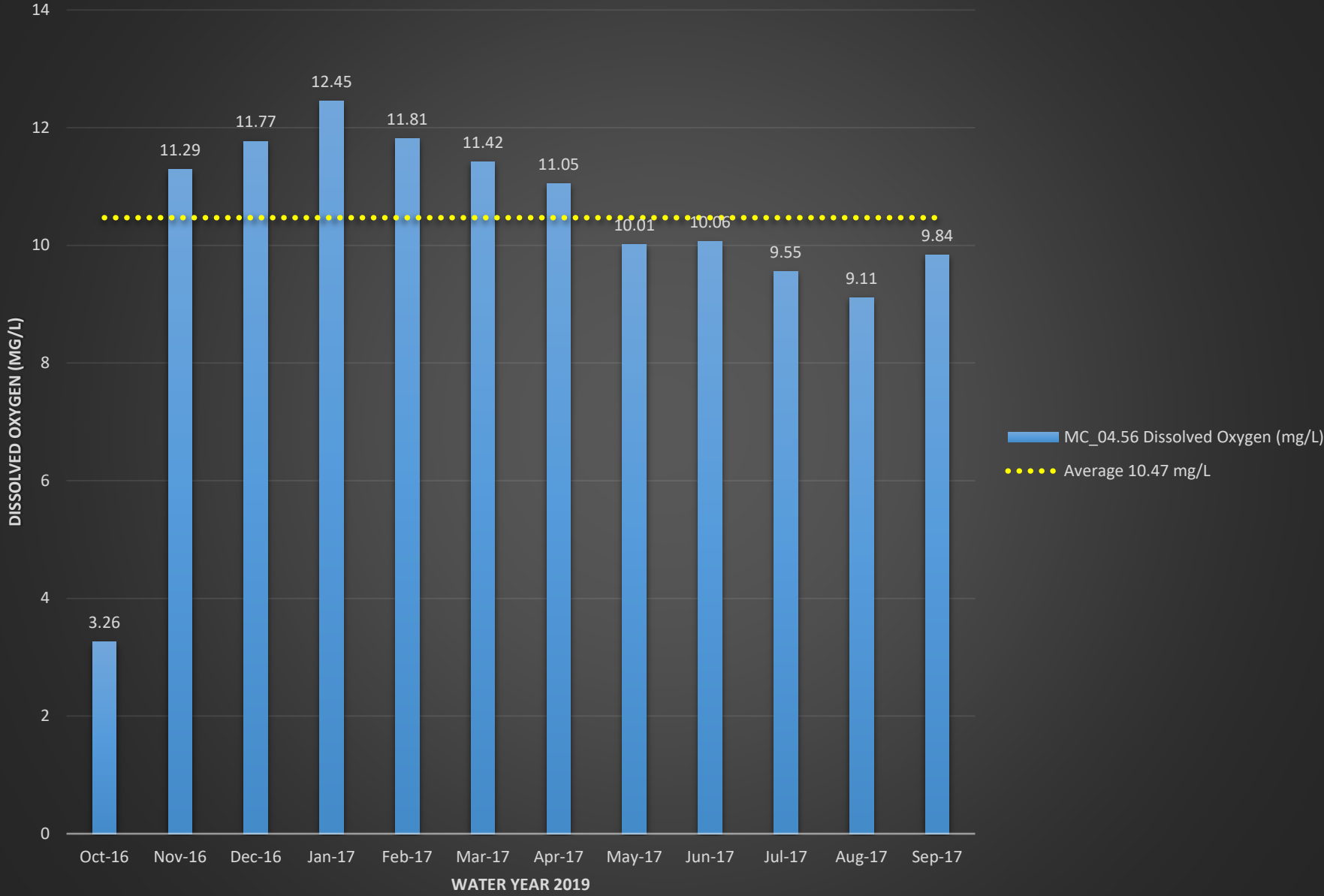
MC_04.56 Temperature (°C)



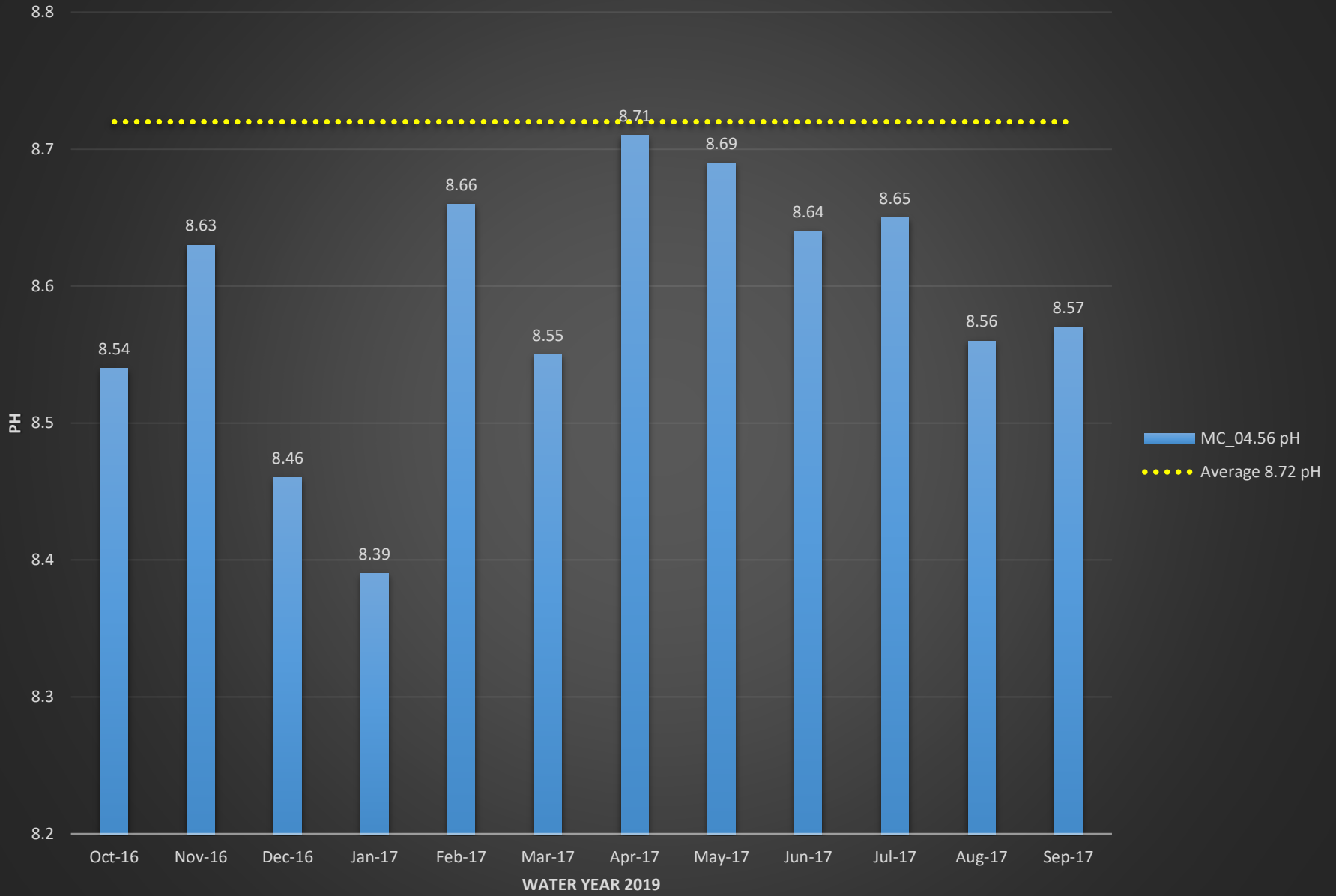
MC_04.56 Dissolved Oxygen (%)



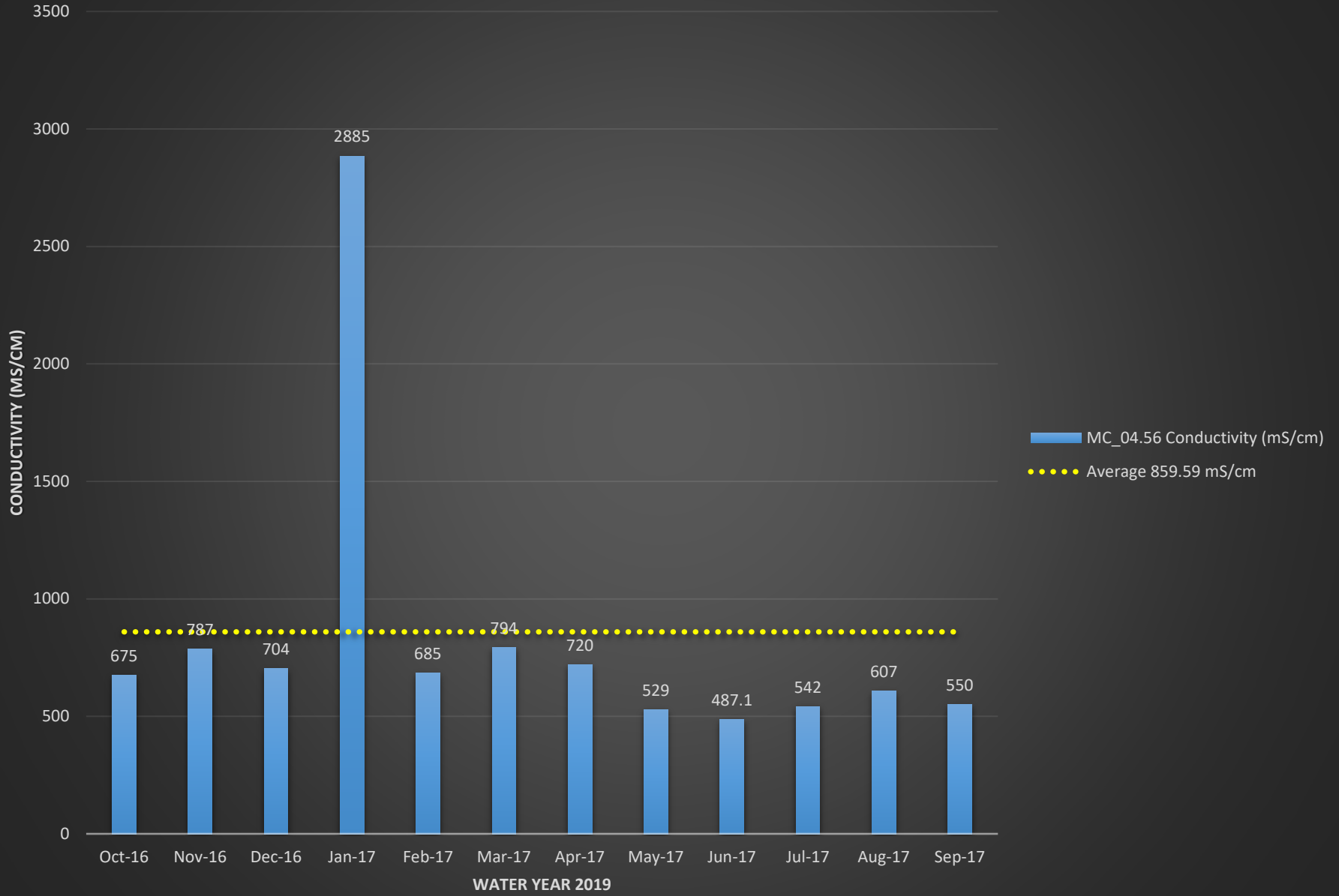
MC_04.56 Dissolved Oxygen (mg/L)



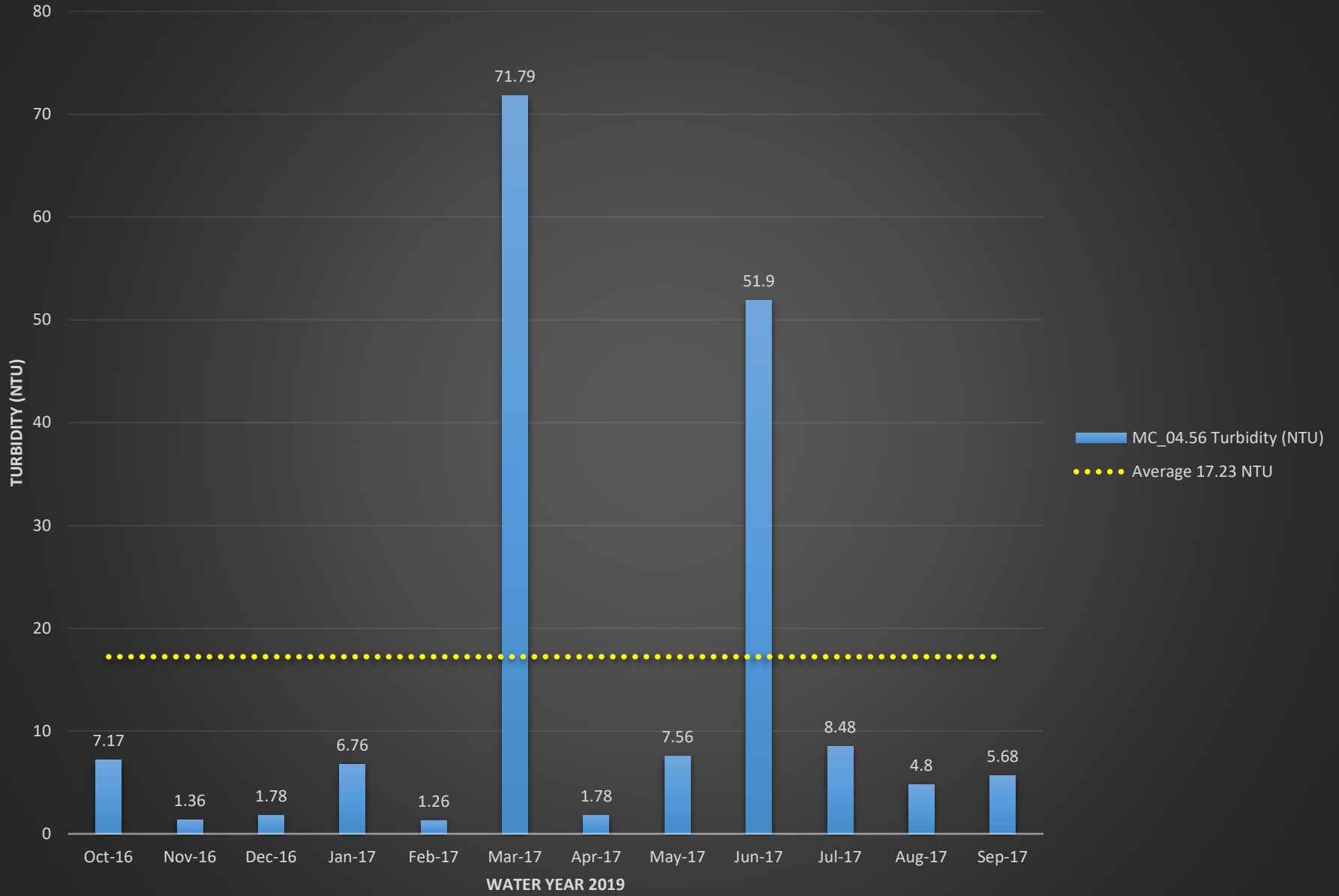
MC_04.56 pH



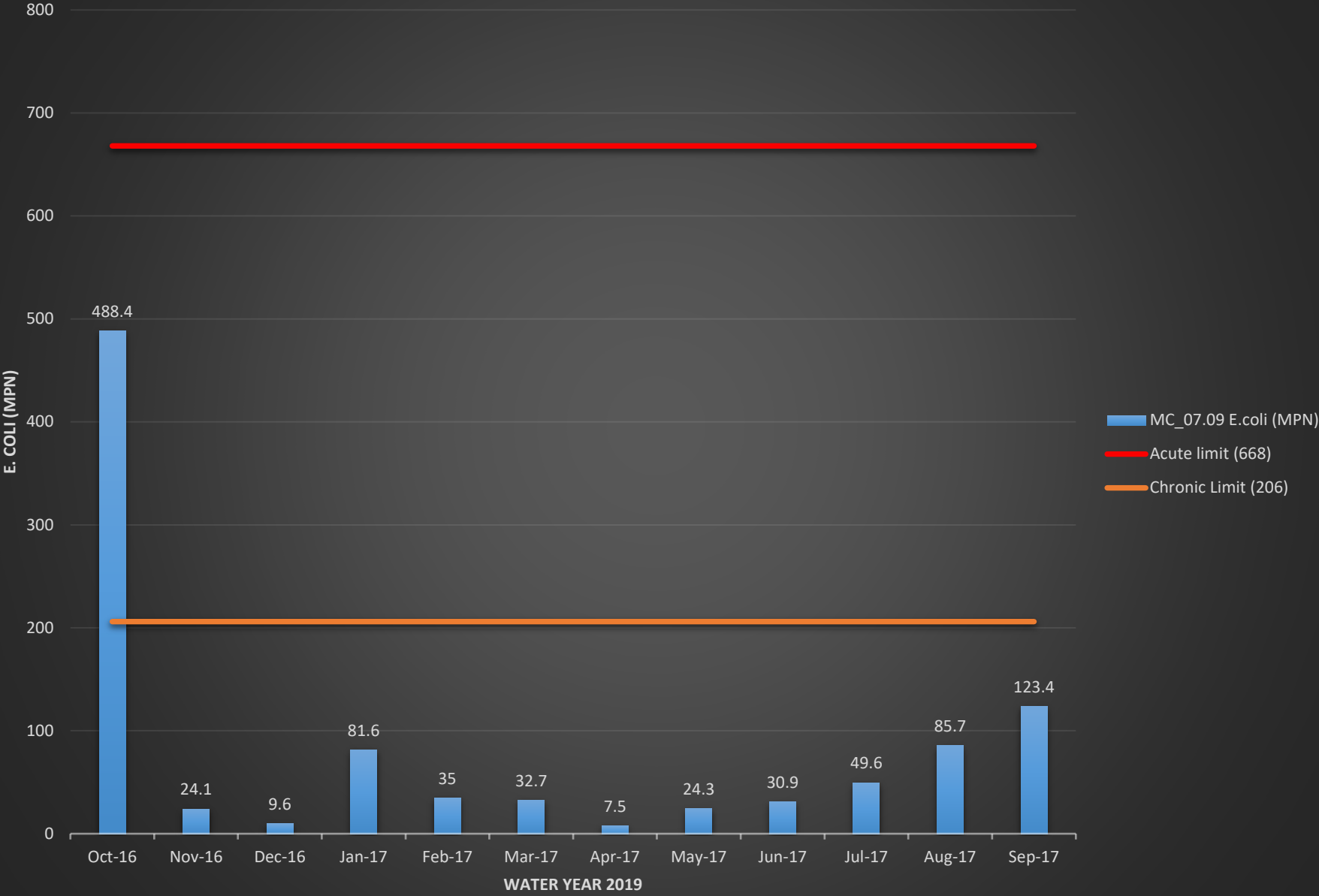
MC_04.56 Conductivity (mS/cm)



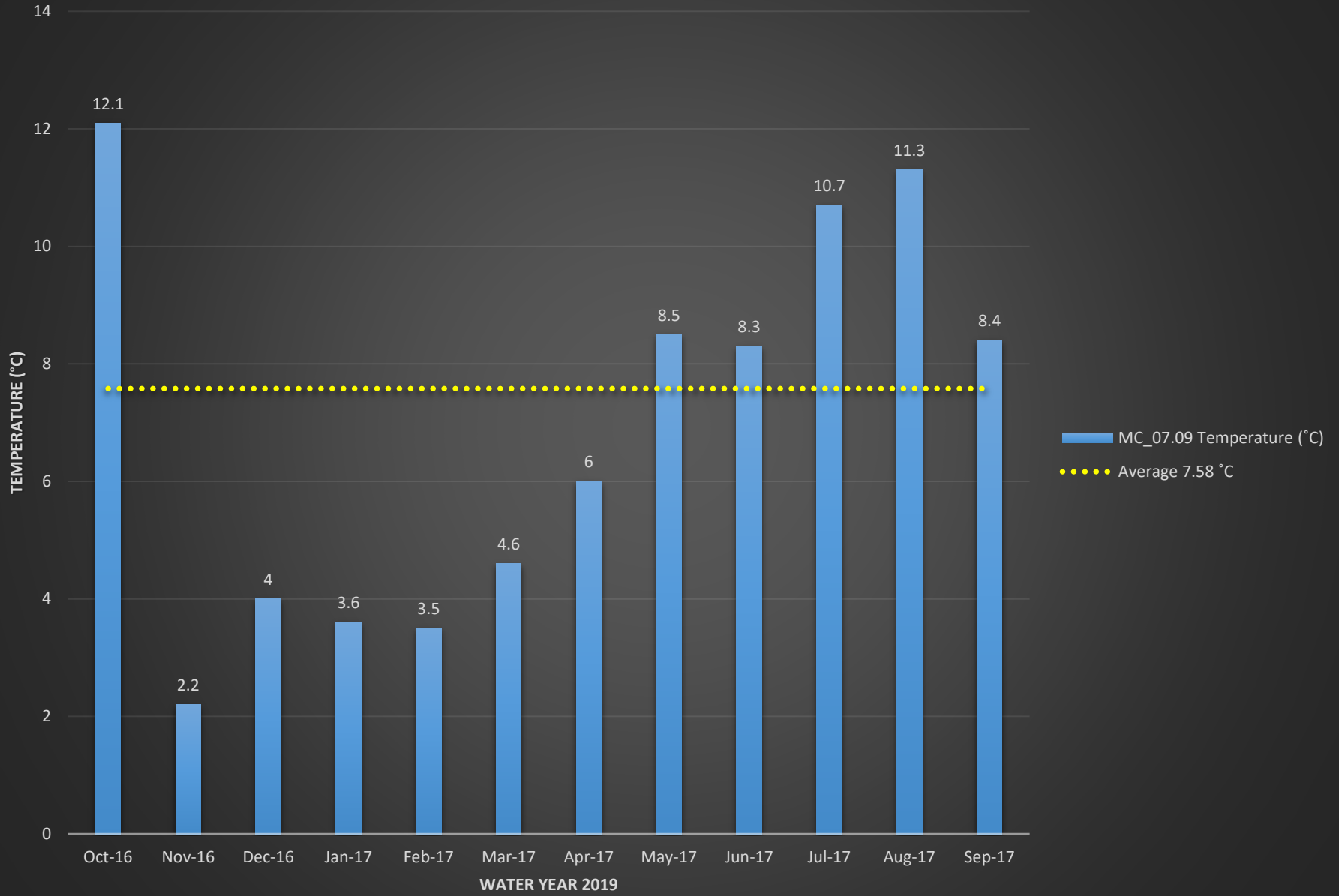
MC_04.56 Turbidity (NTU)



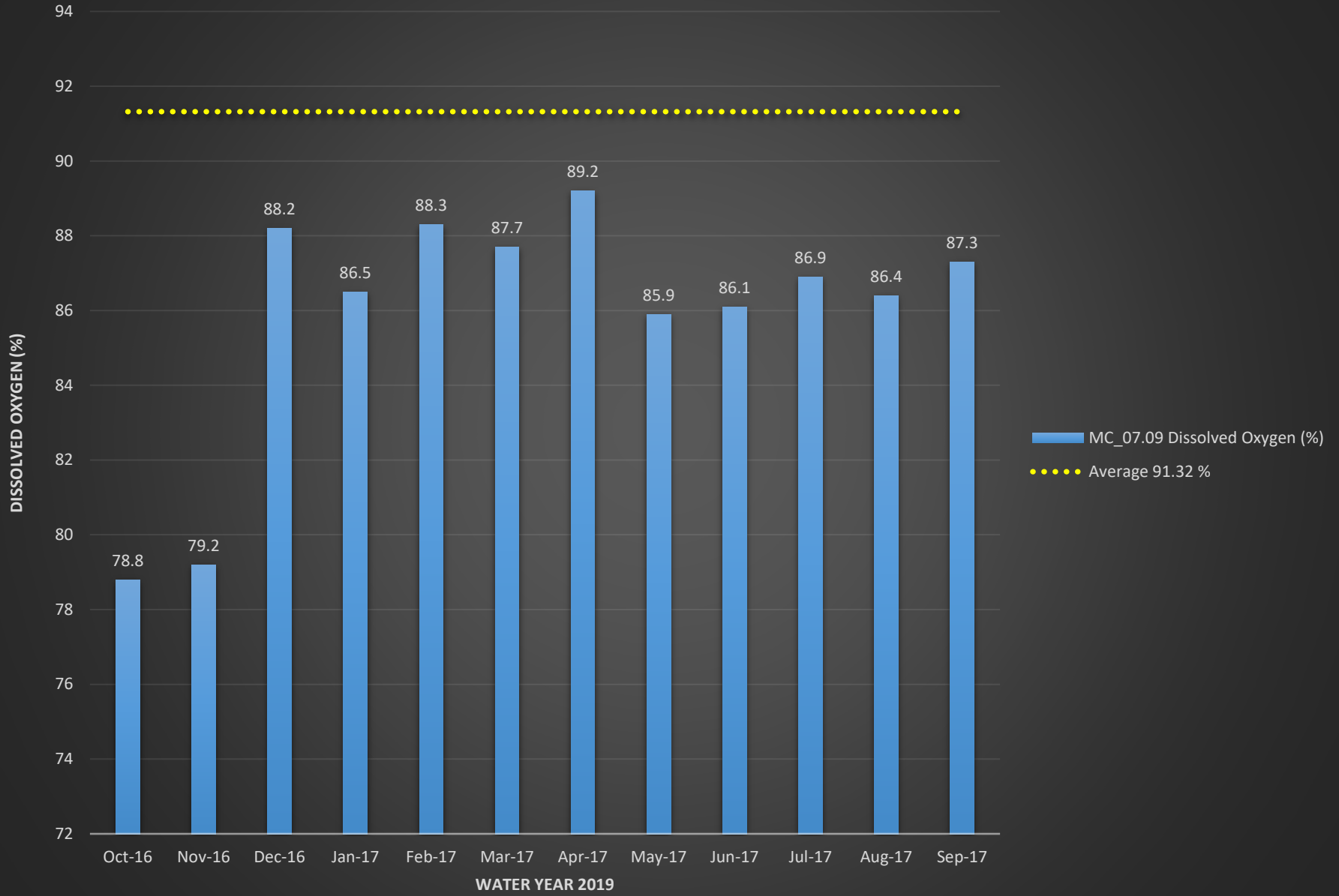
MC_07.09 E.coli (MPN)



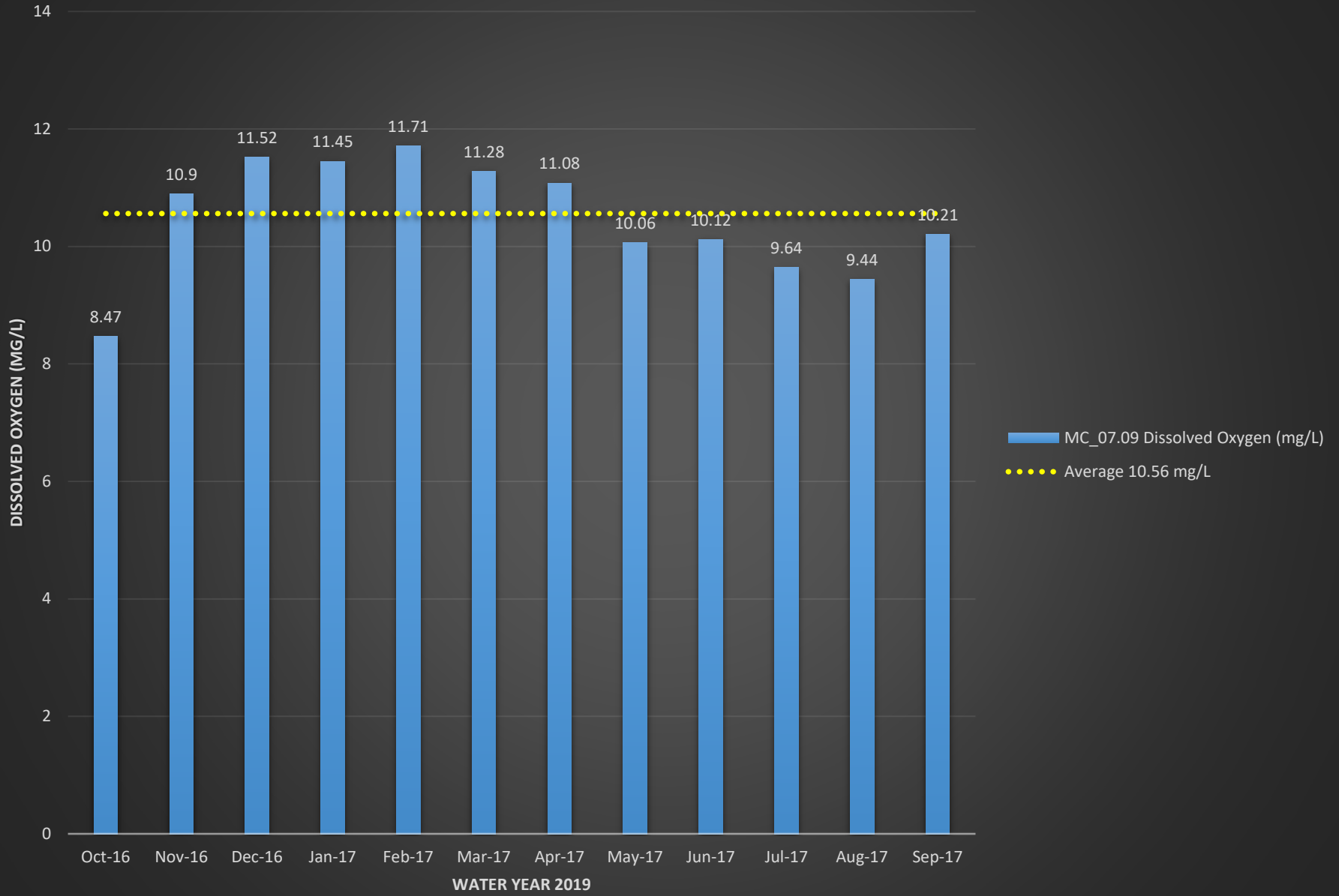
MC_07.09 Temperature (°C)



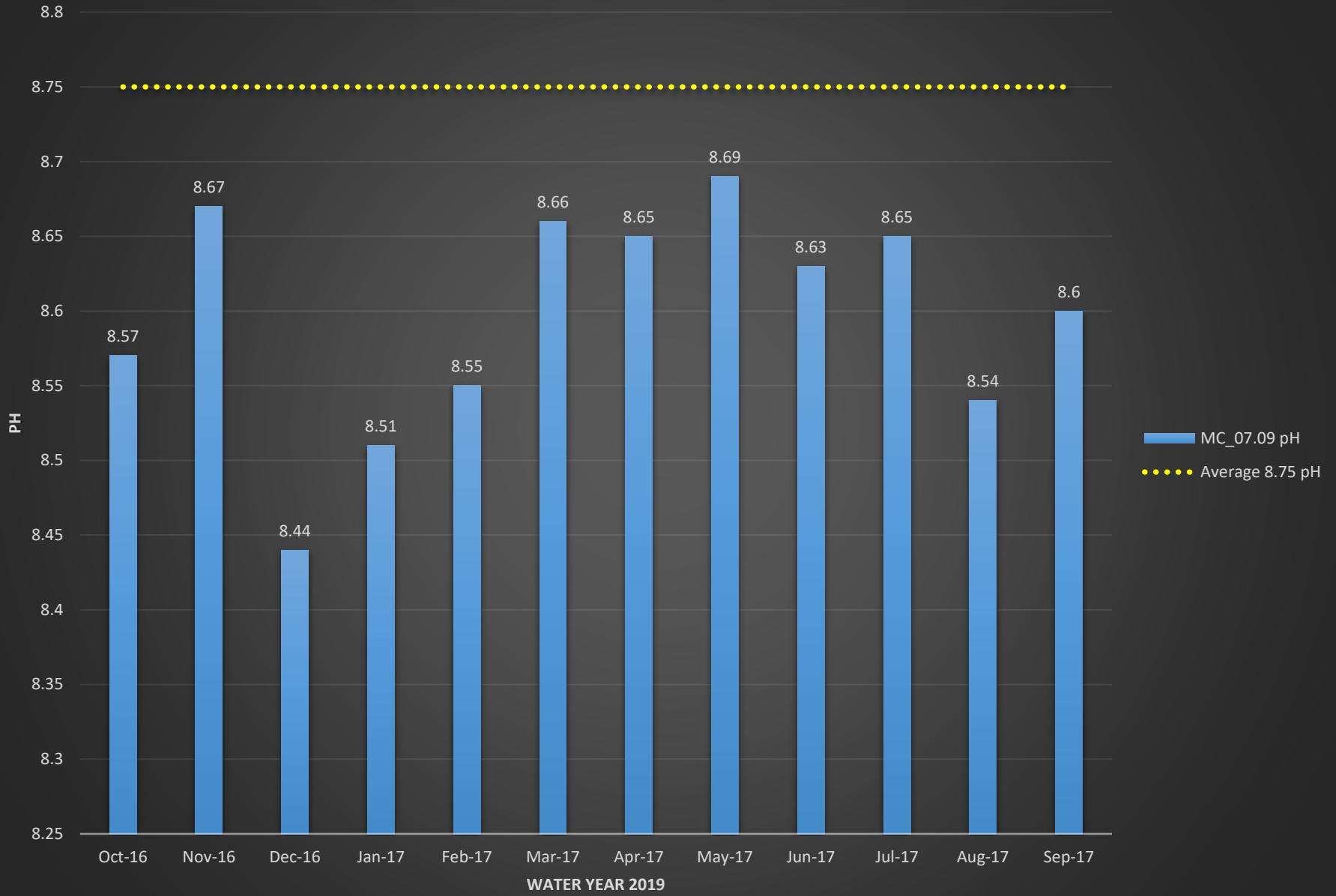
MC_07.09 Dissolved Oxygen (%)



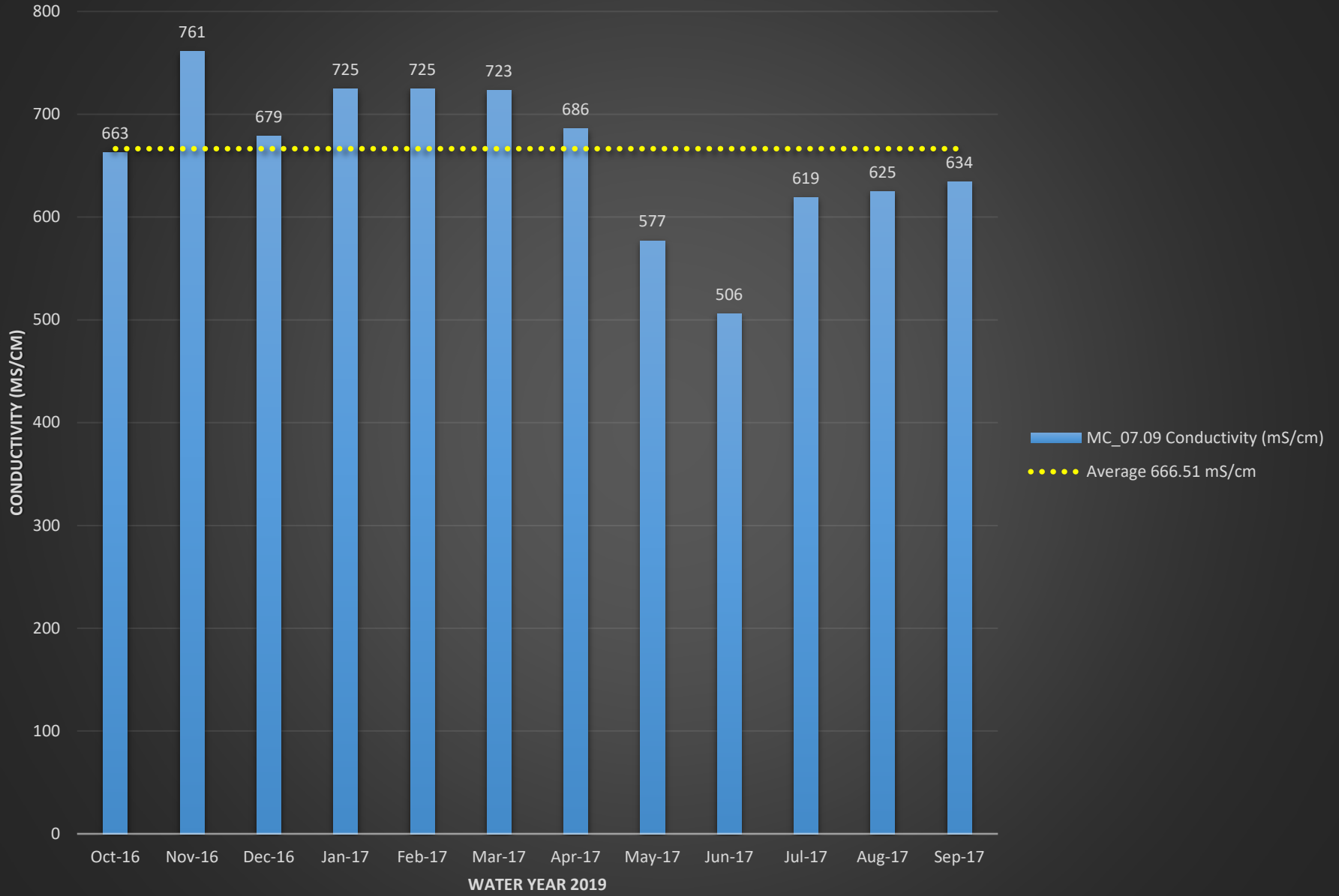
MC_07.09 Dissolved Oxygen (mg/L)



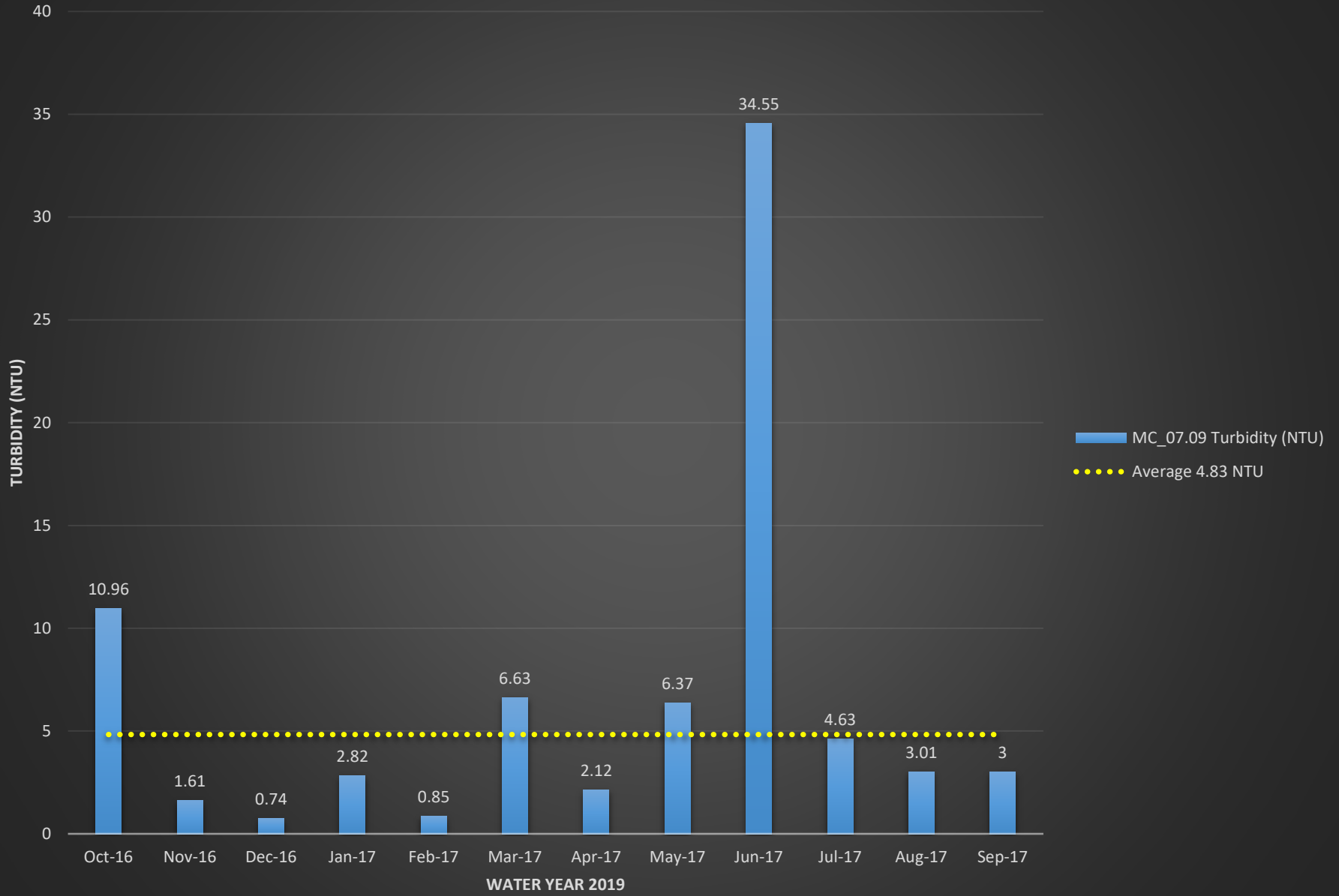
MC_07.09 pH



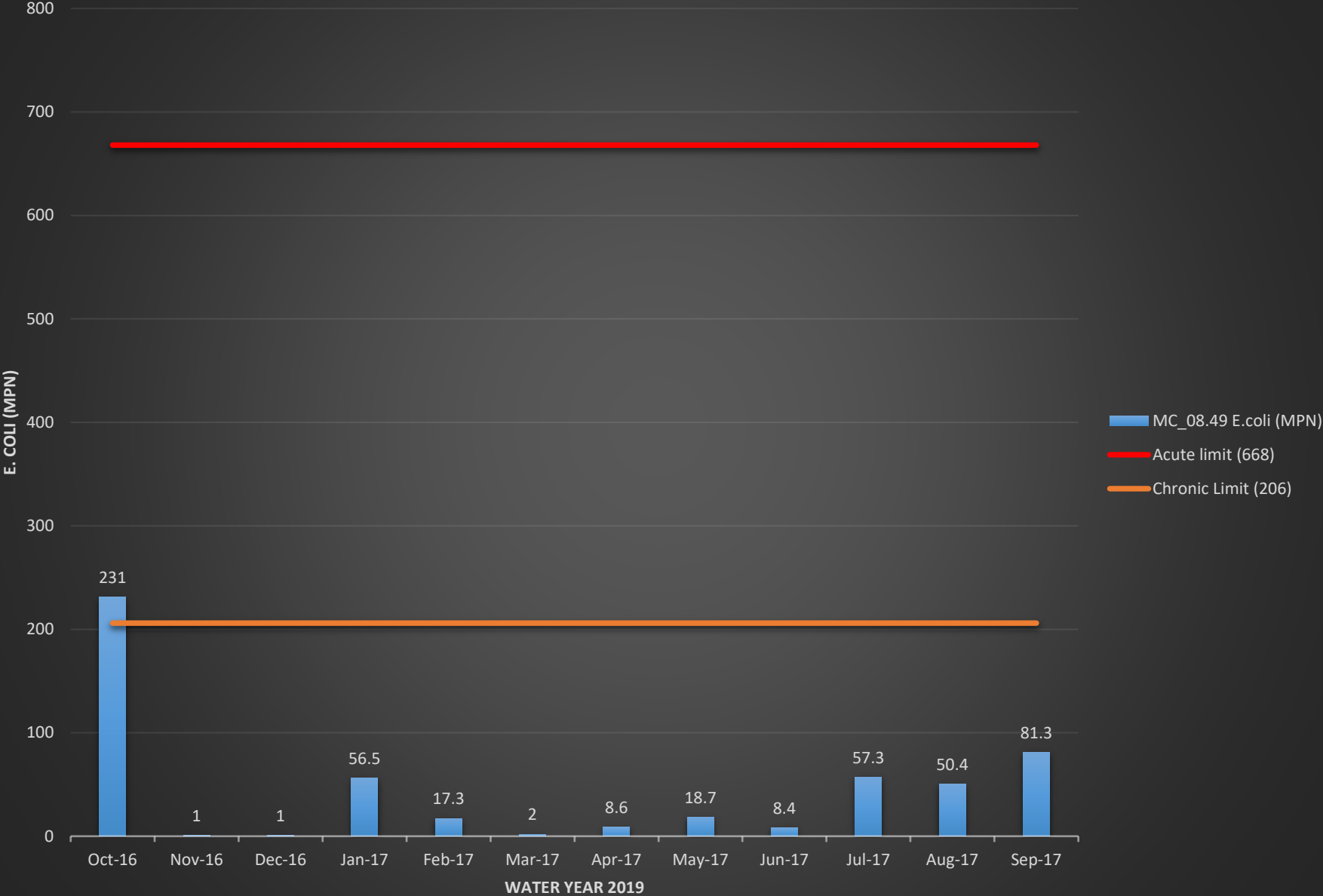
MC_07.09 Conductivity (mS/cm)



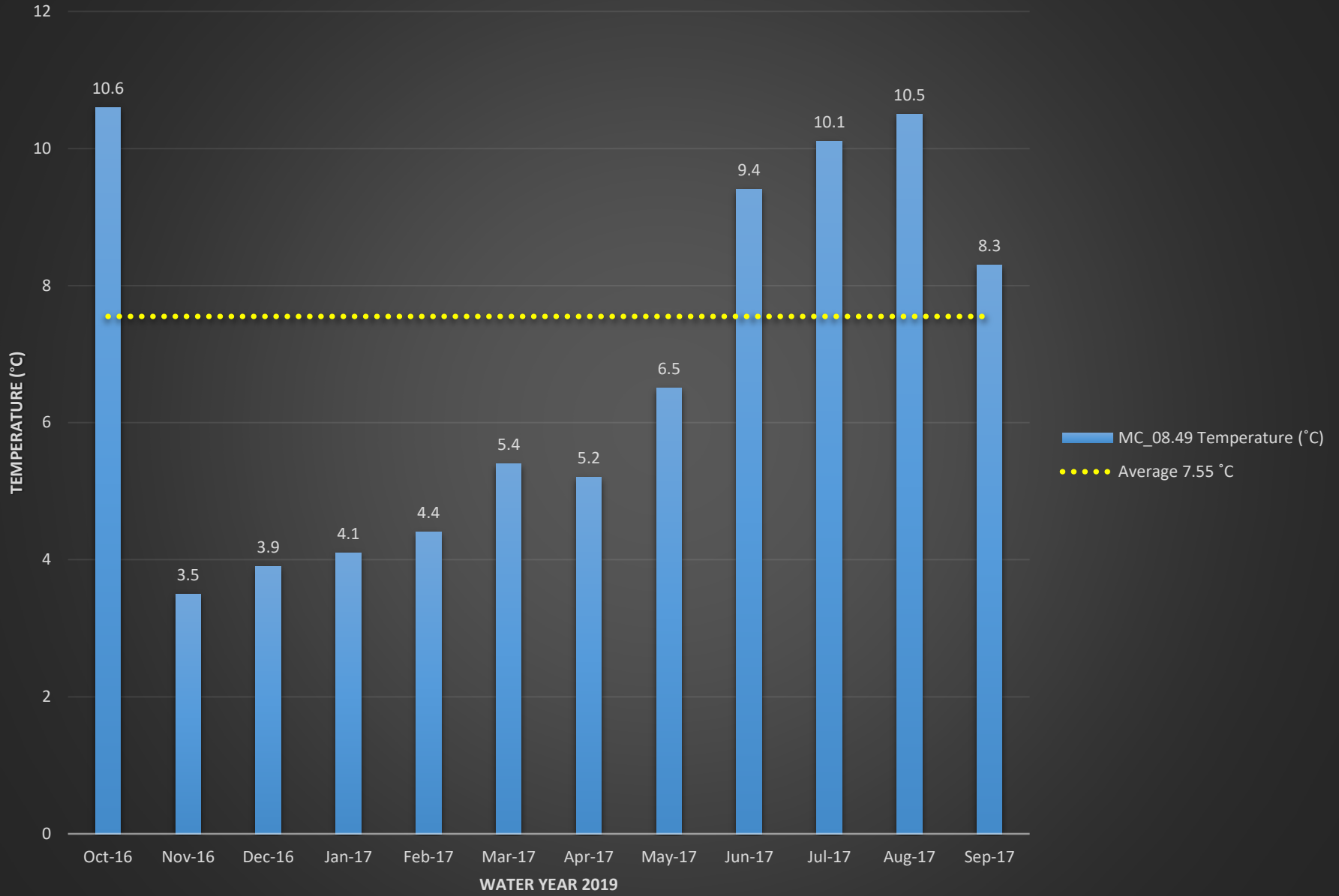
MC_07.09 Turbidity (NTU)



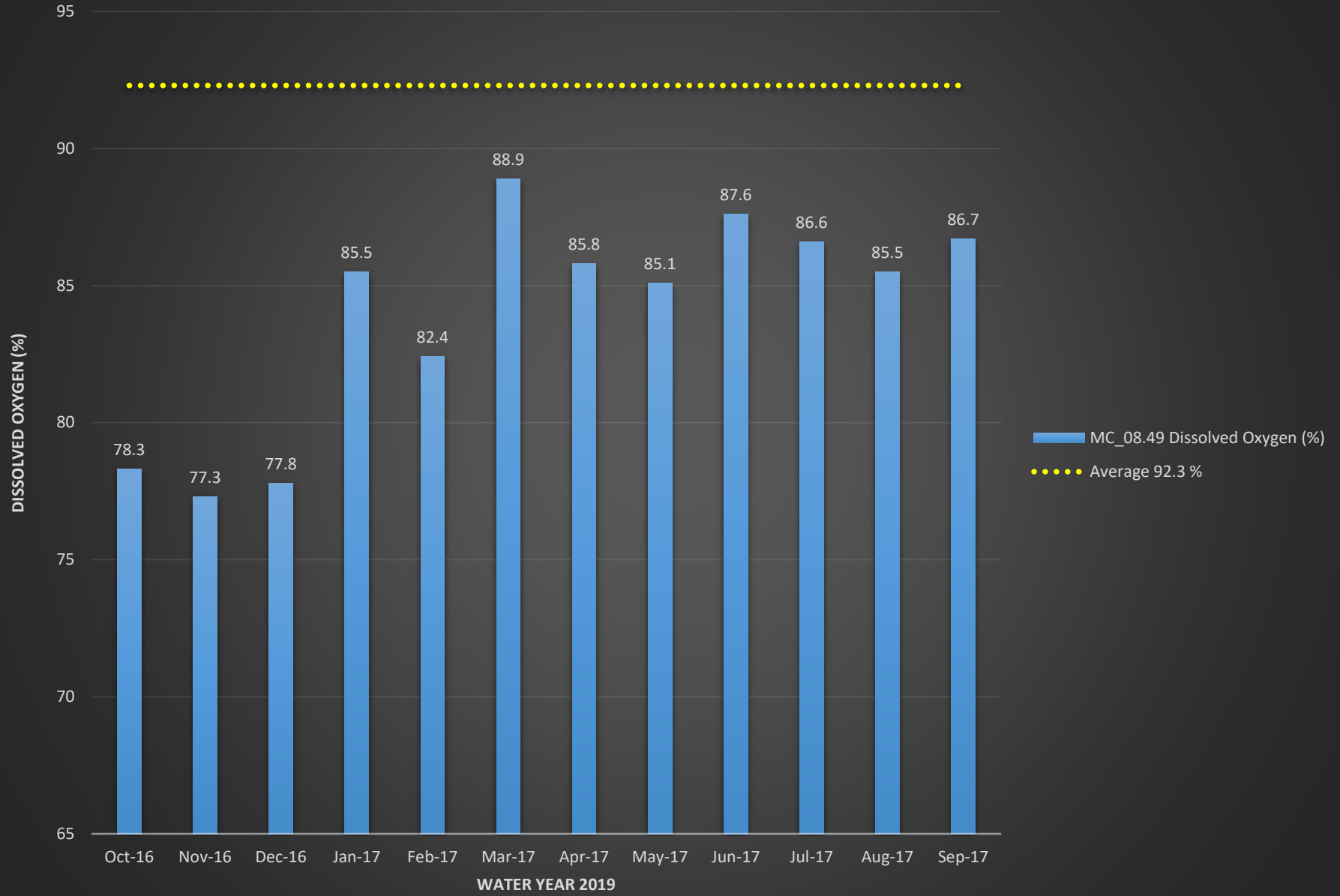
MC_08.49 E.coli (MPN)



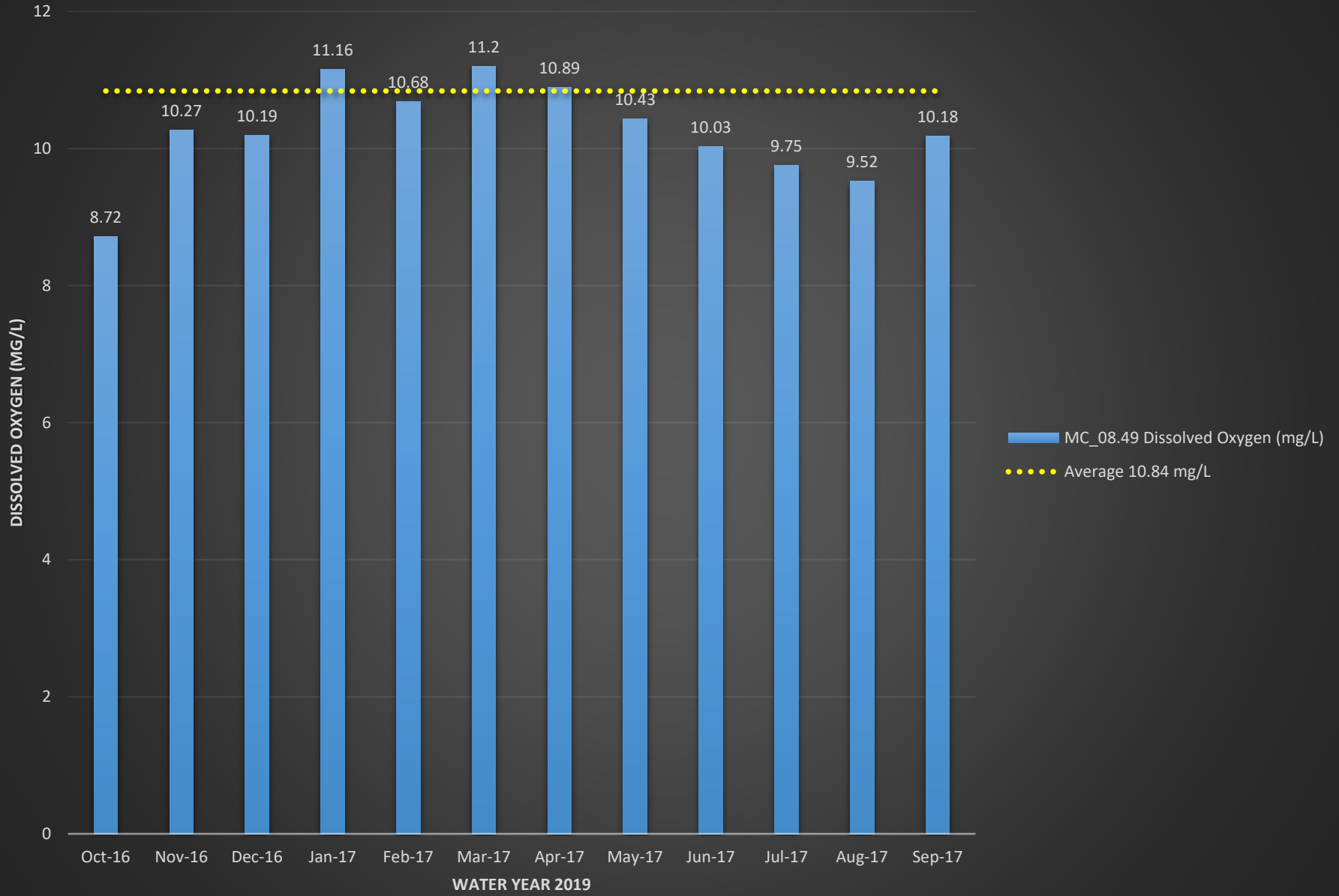
MC_08.49 Temperature (°C)



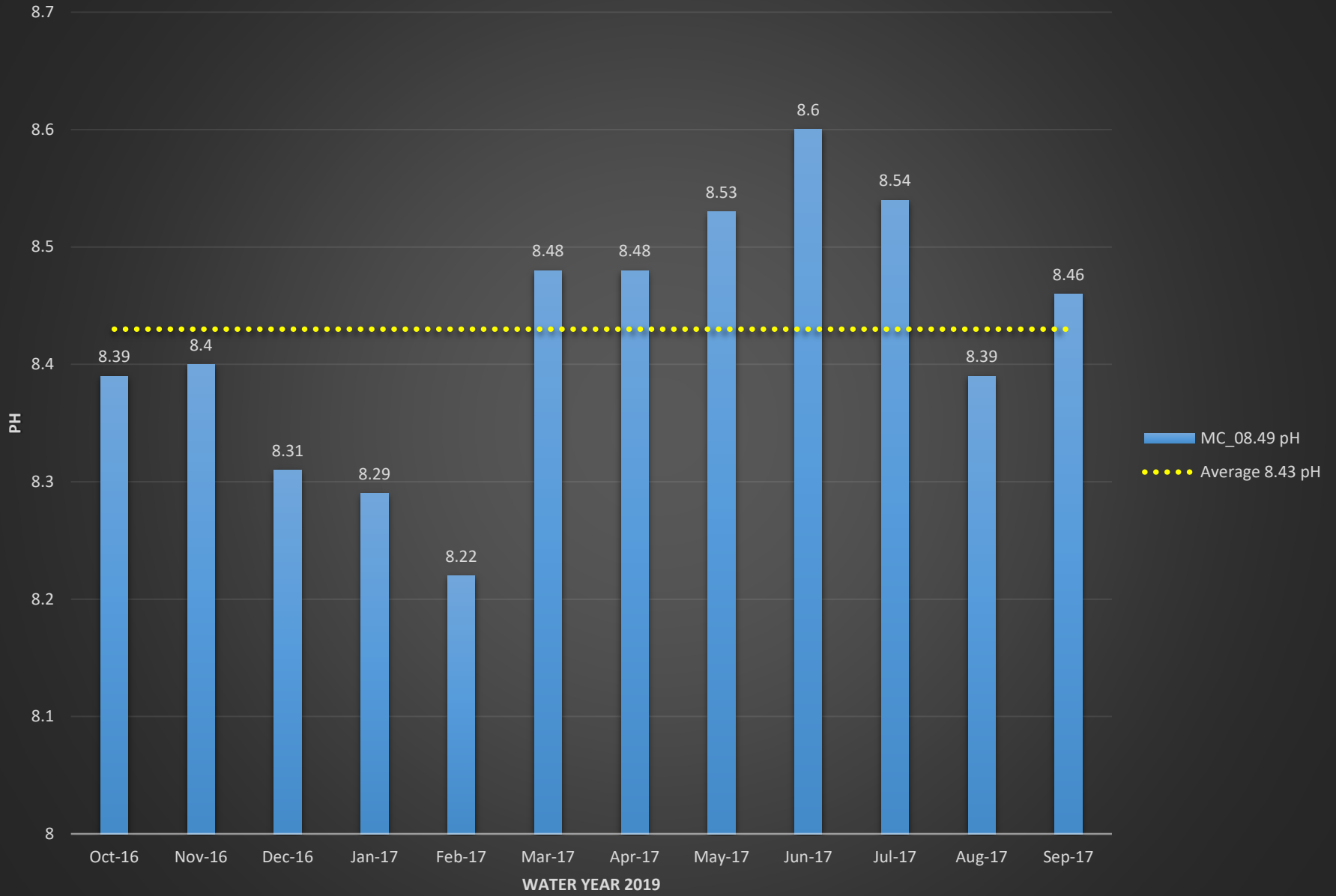
MC_08.49 Dissolved Oxygen (%)



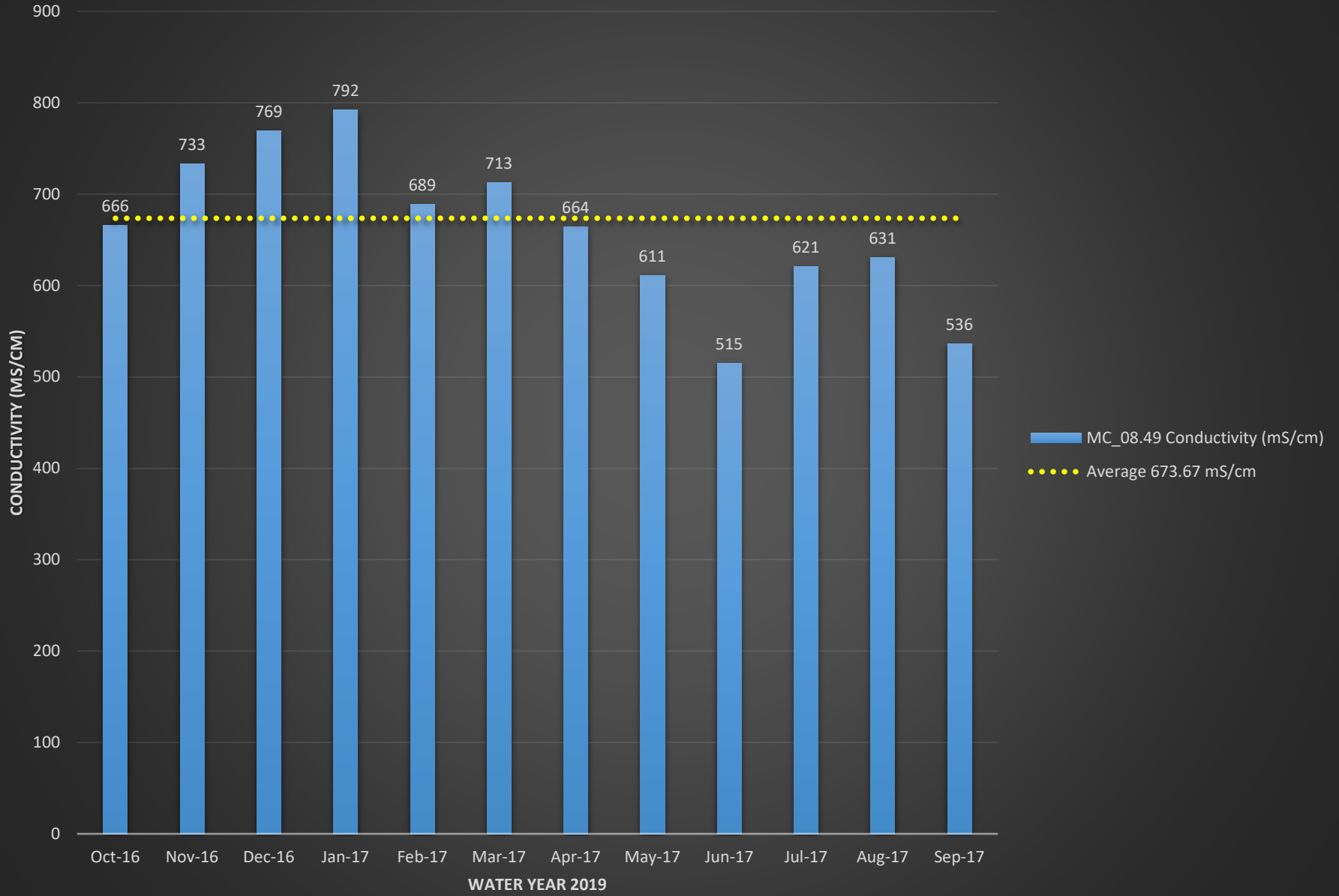
MC_08.49 Dissolved Oxygen (mg/L)



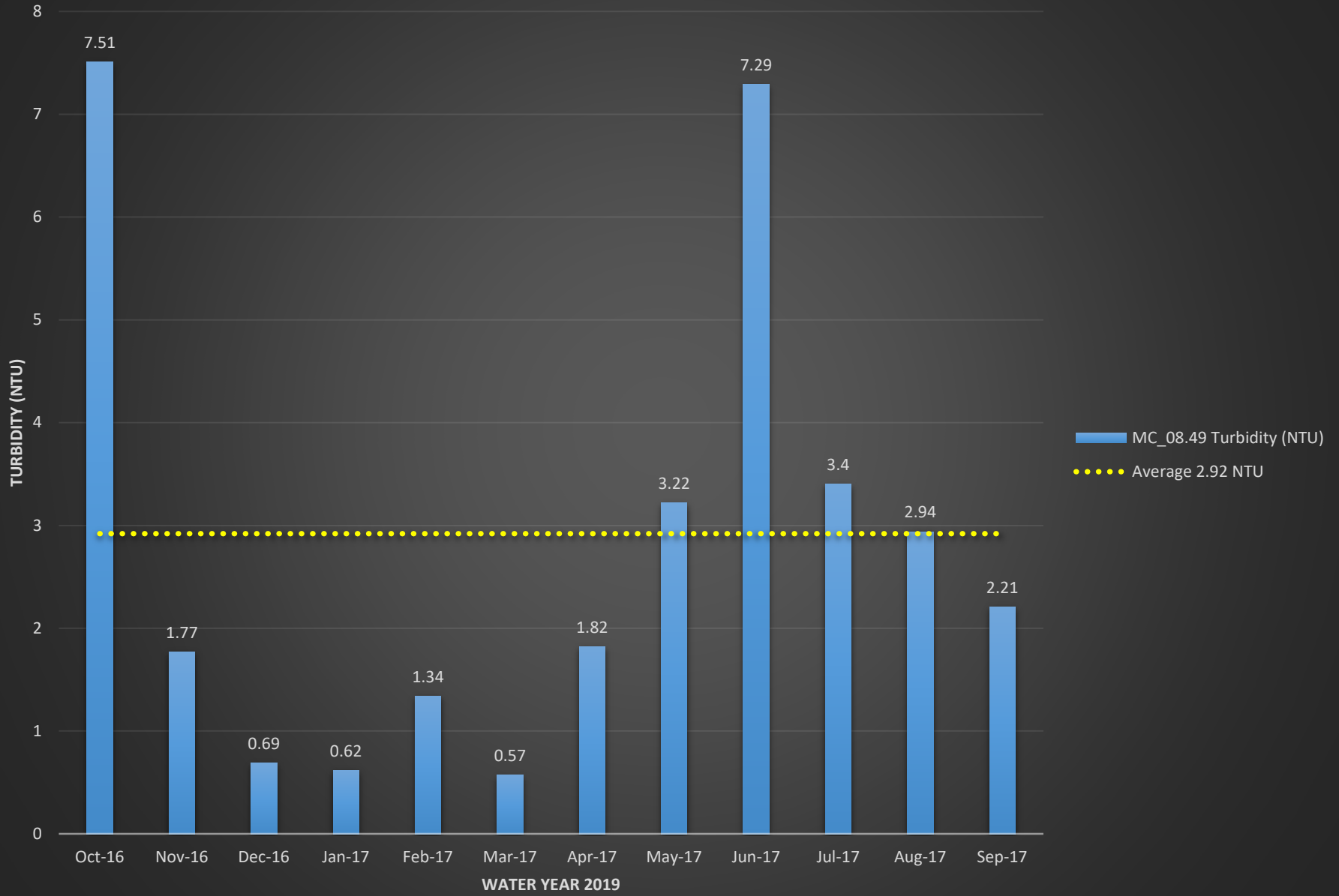
MC_08.49 pH



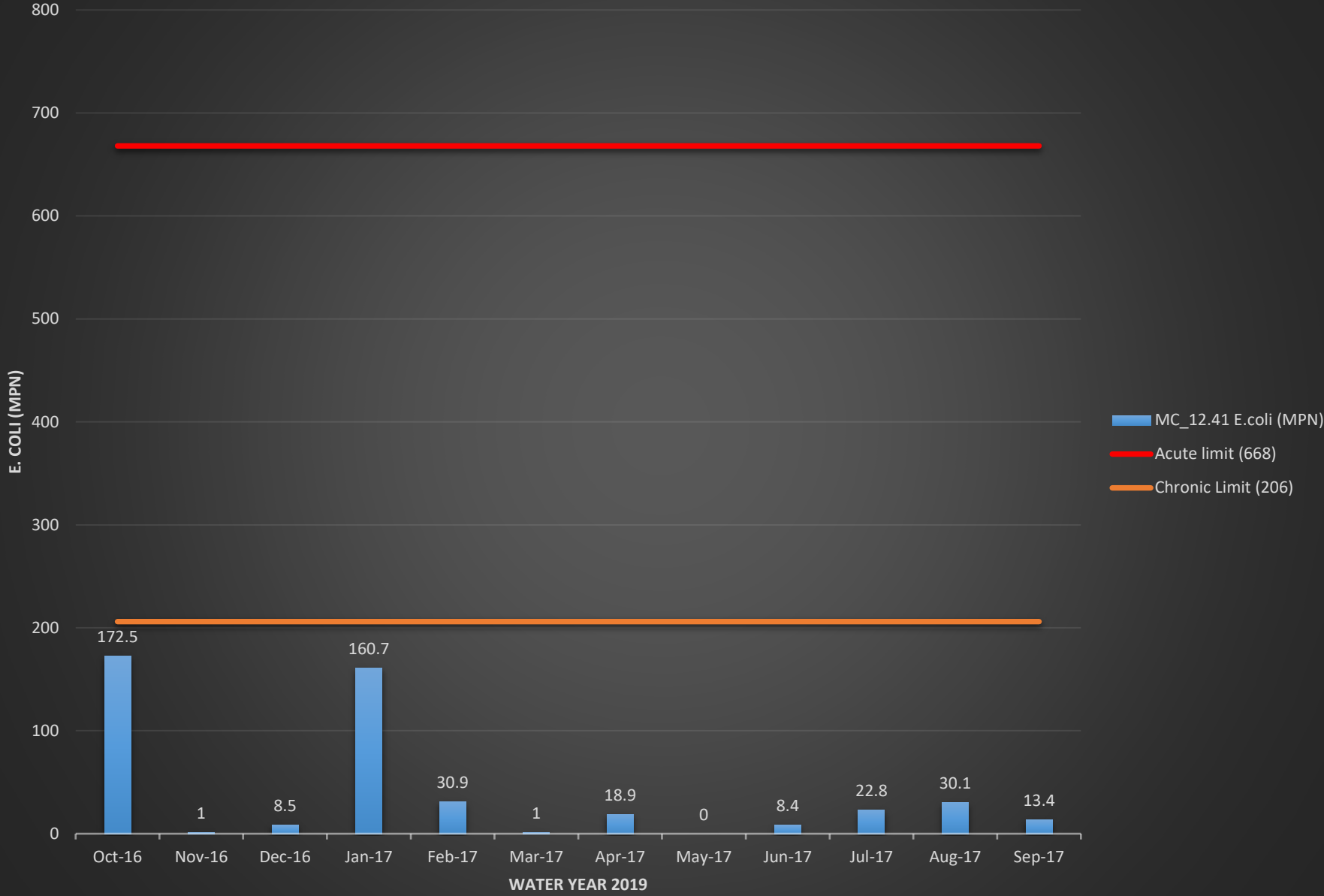
MC_08.49 Conductivity (mS/cm)



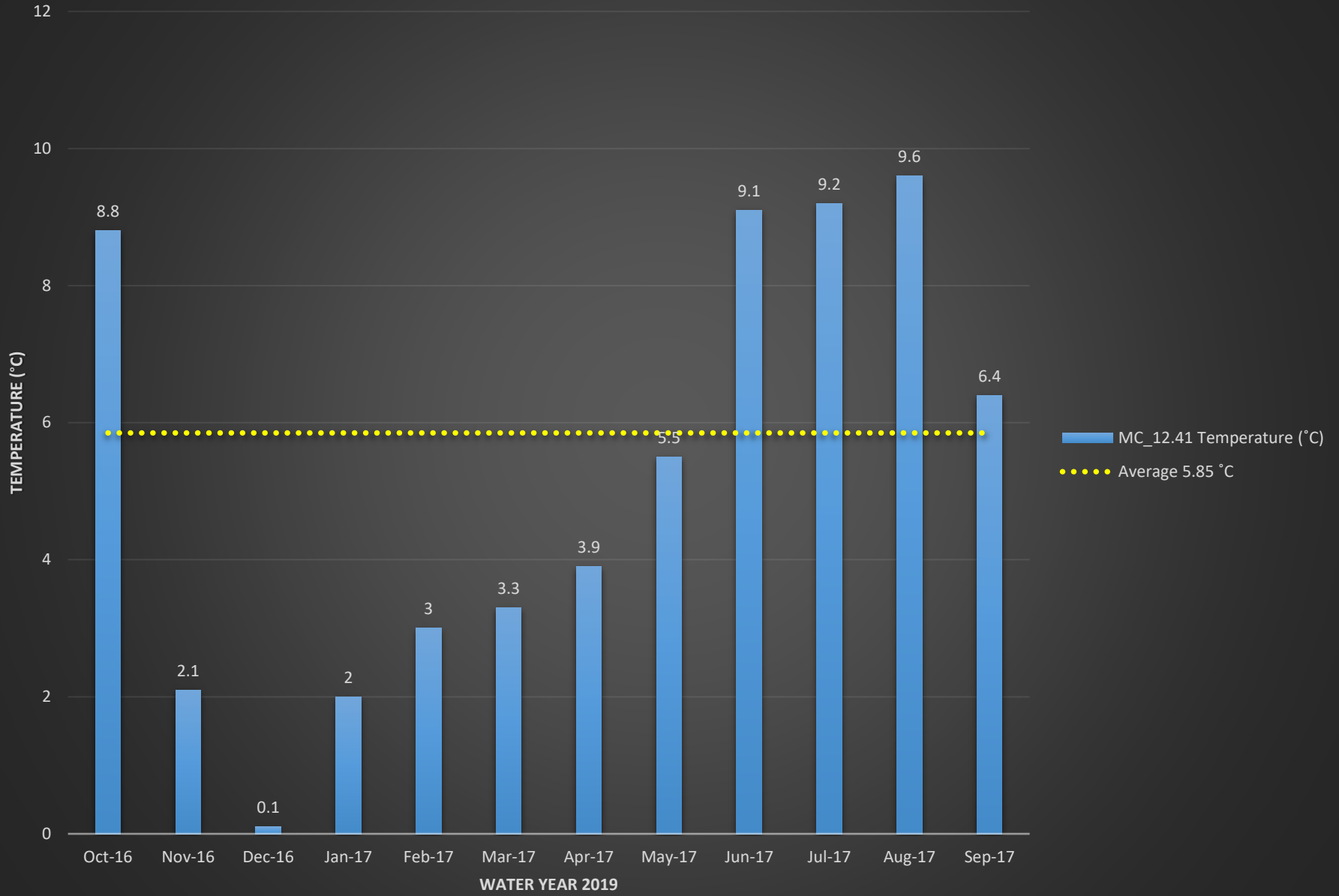
MC_08.49 Turbidity (NTU)



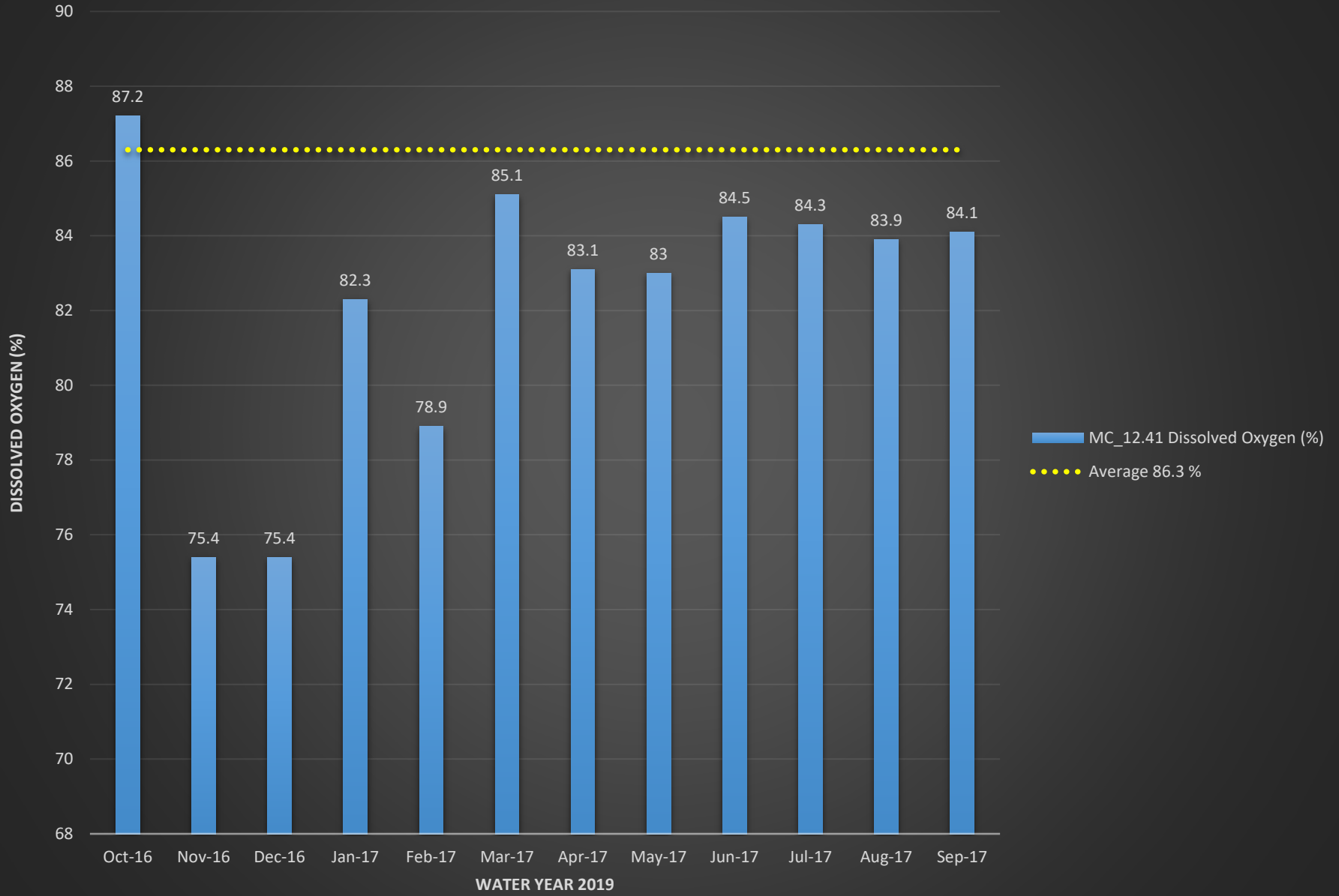
MC_12.41 E.coli (MPN)



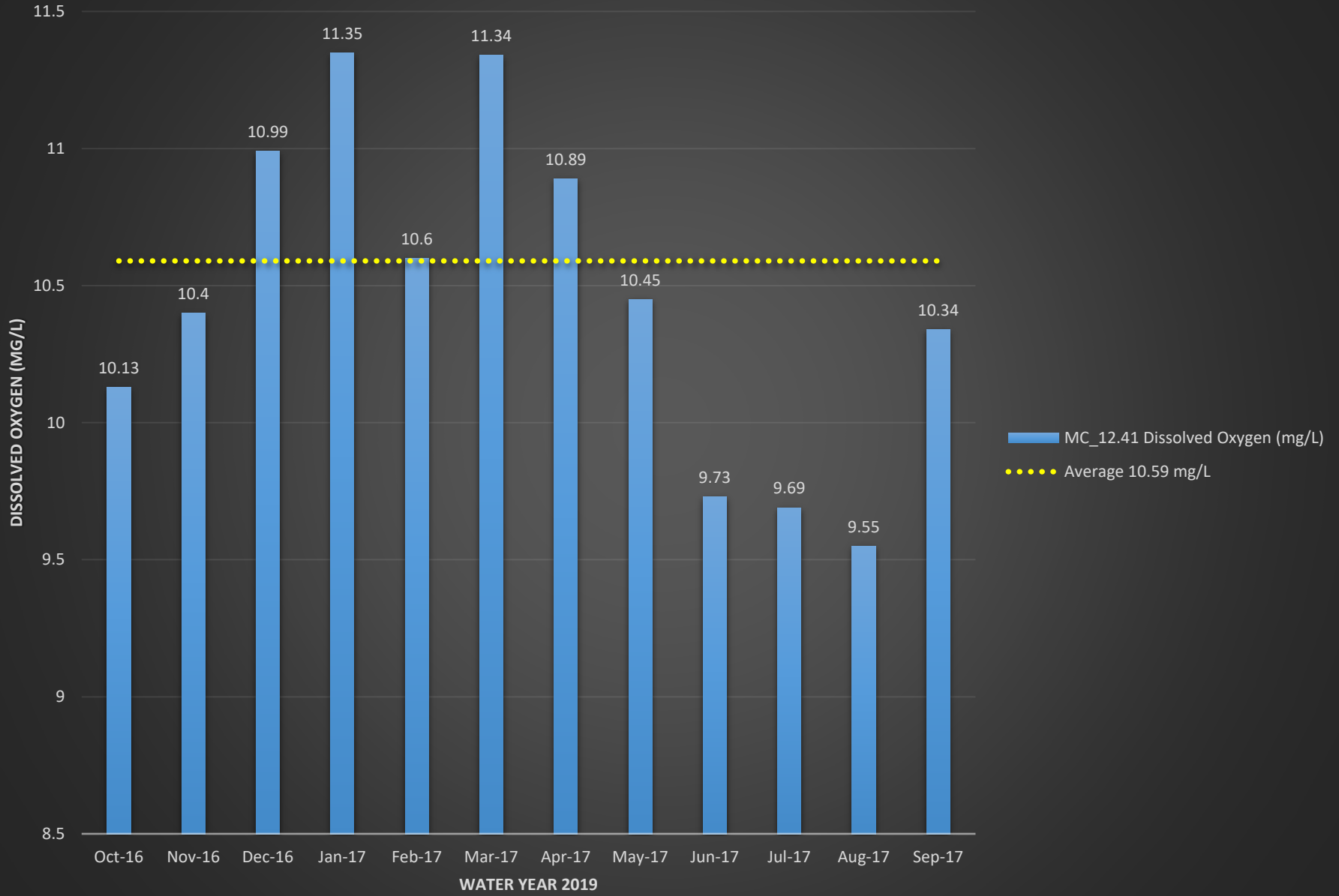
MC_12.41 Temperature (°C)



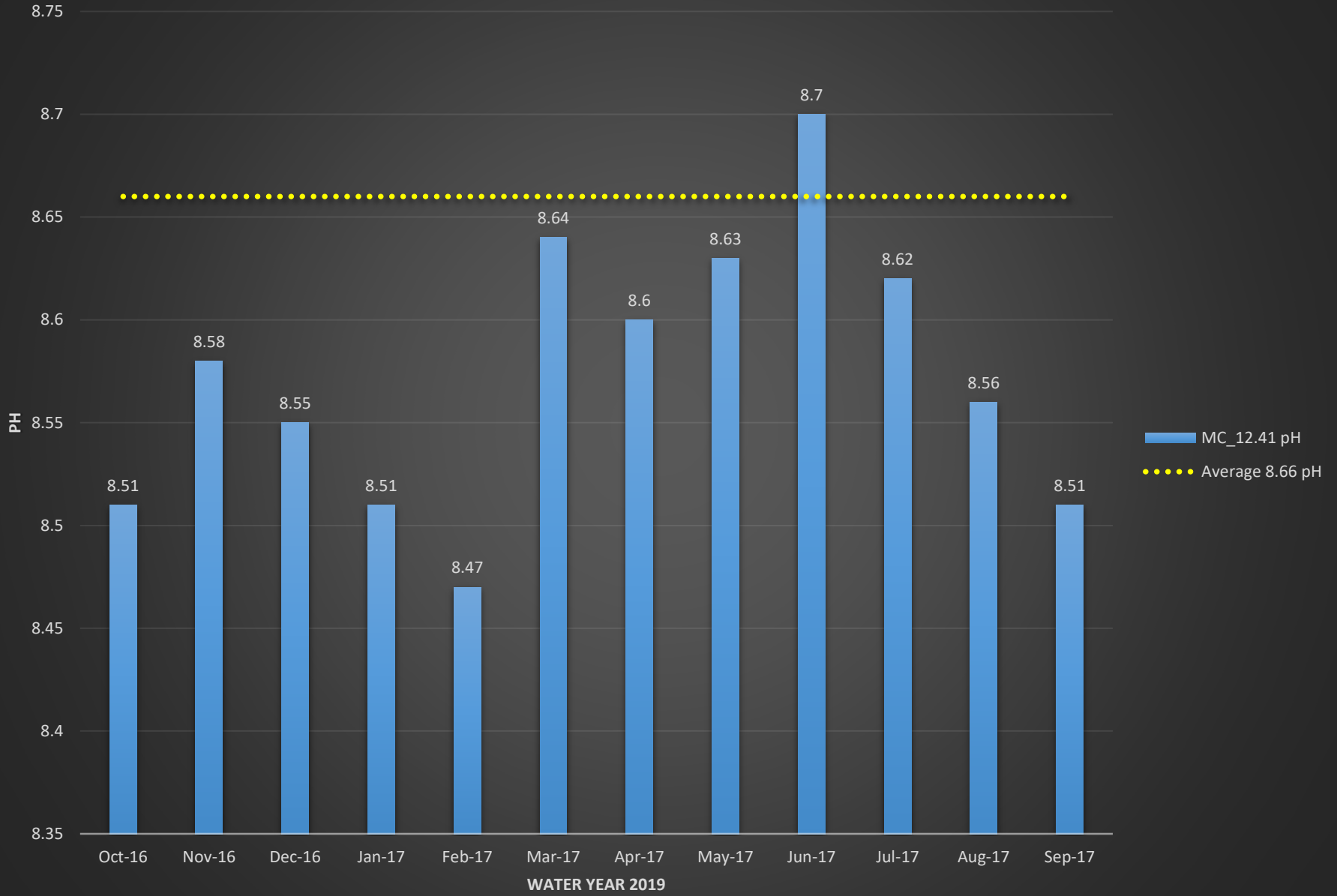
MC_12.41 Dissolved Oxygen (%)



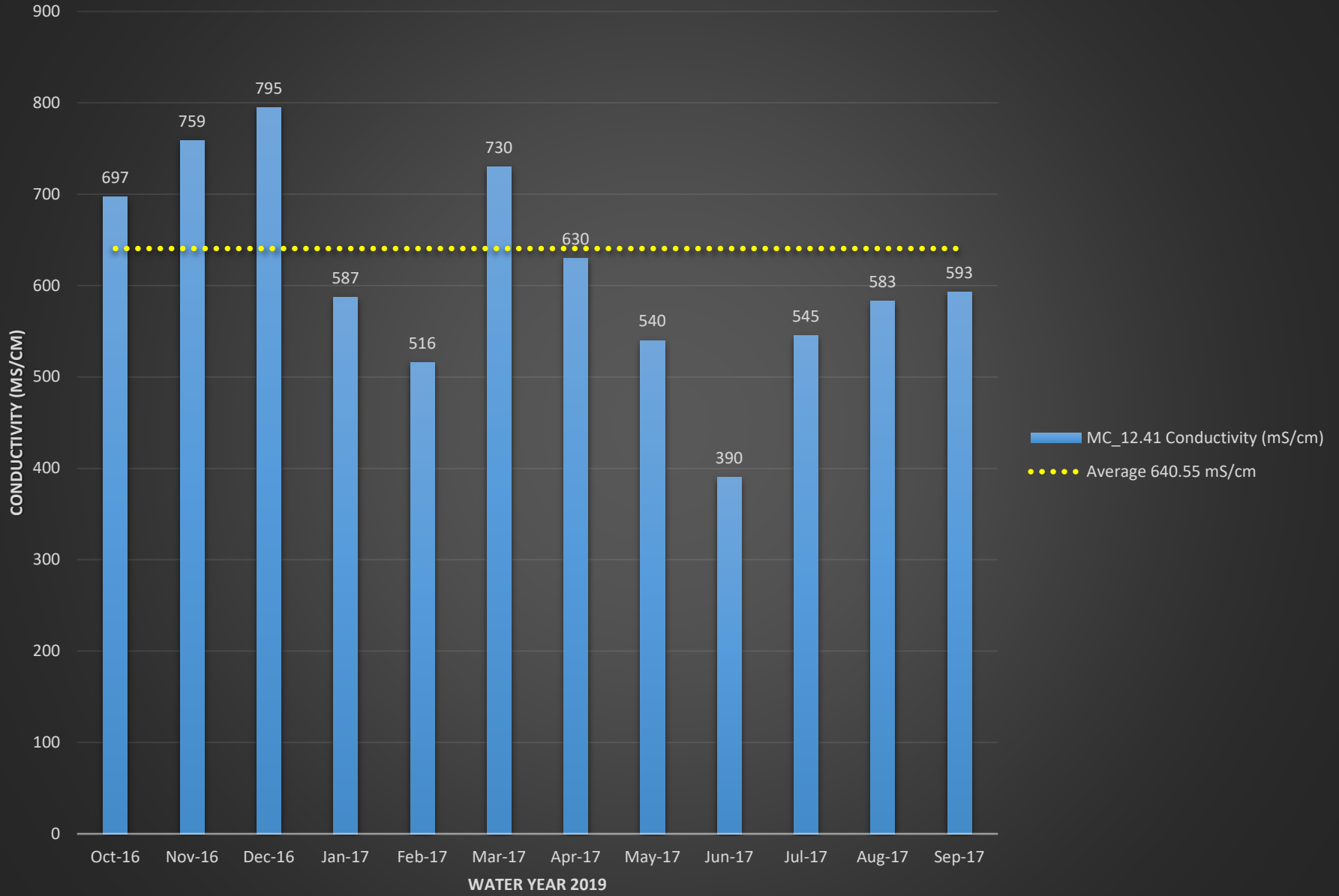
MC_12.41 Dissolved Oxygen (mg/L)



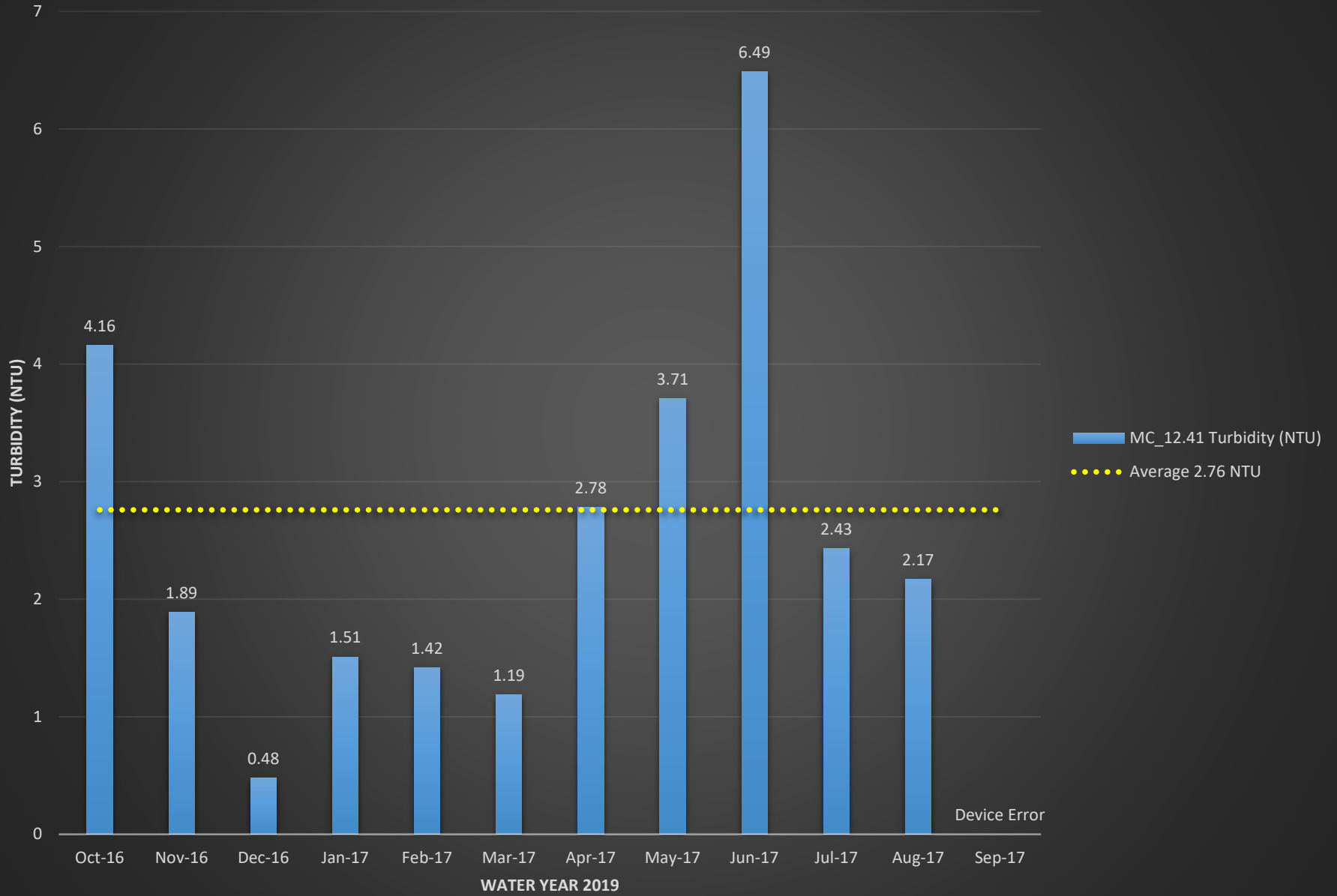
MC_12.41 pH



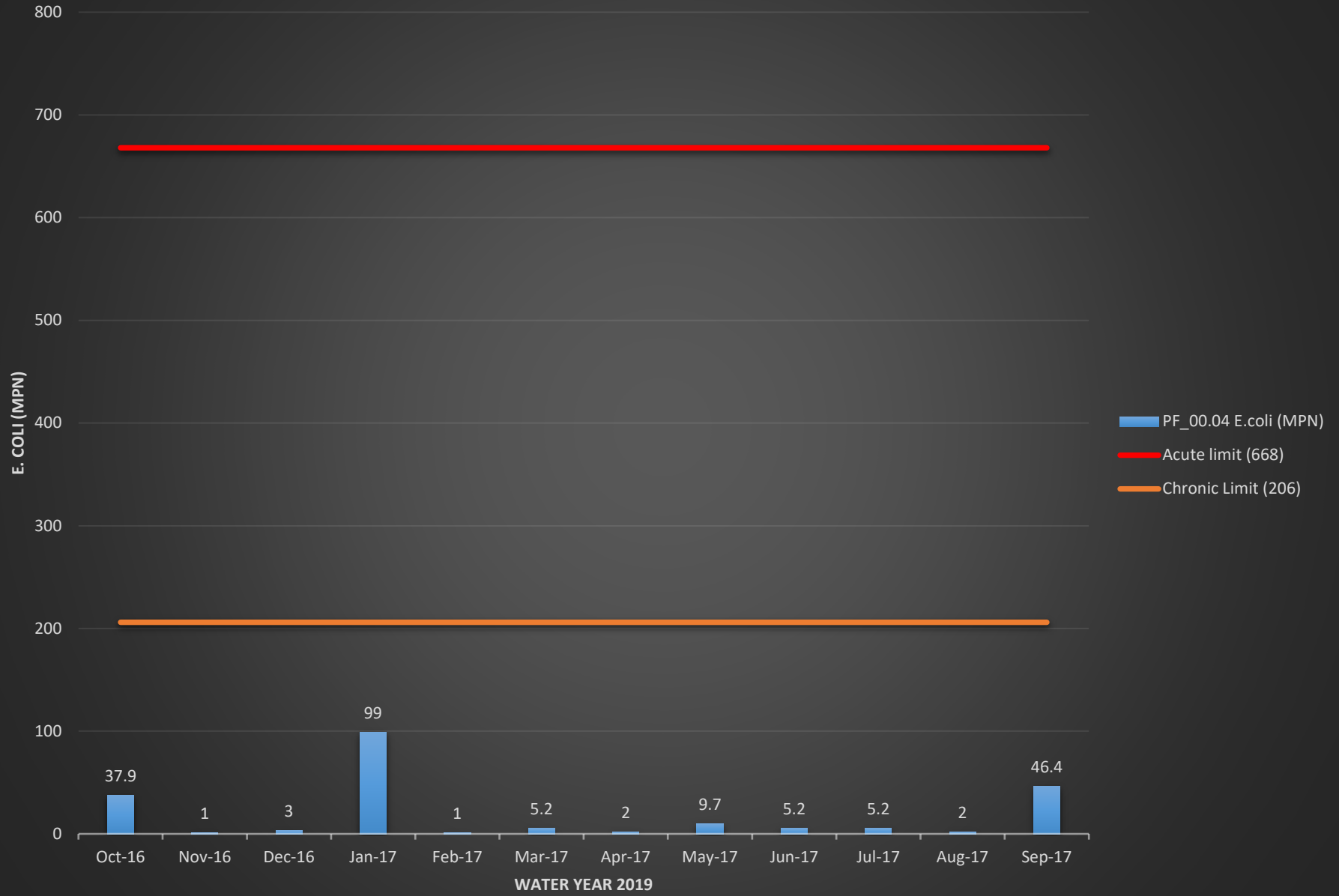
MC_12.41 Conductivity (mS/cm)



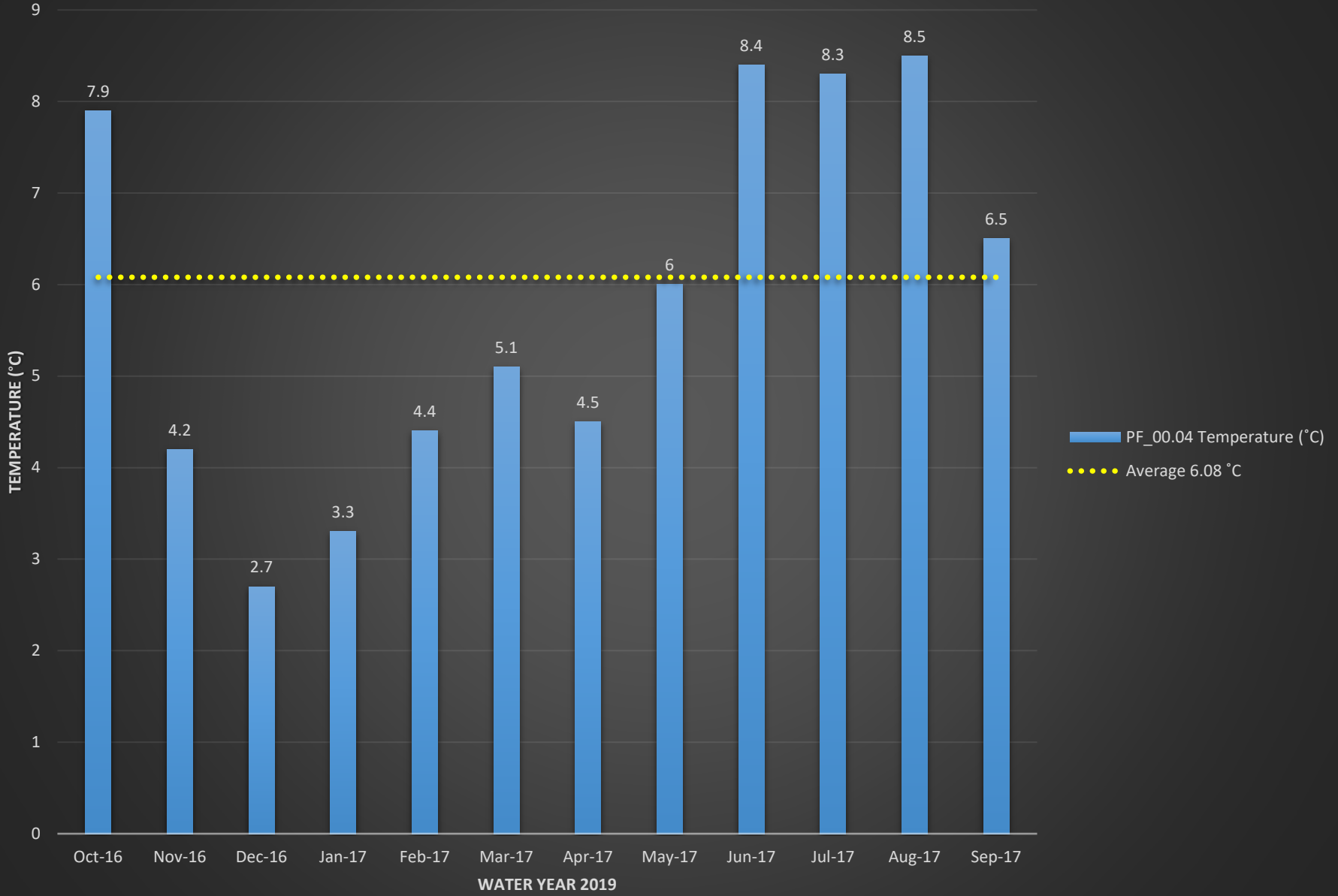
MC_12.41 Turbidity (NTU)



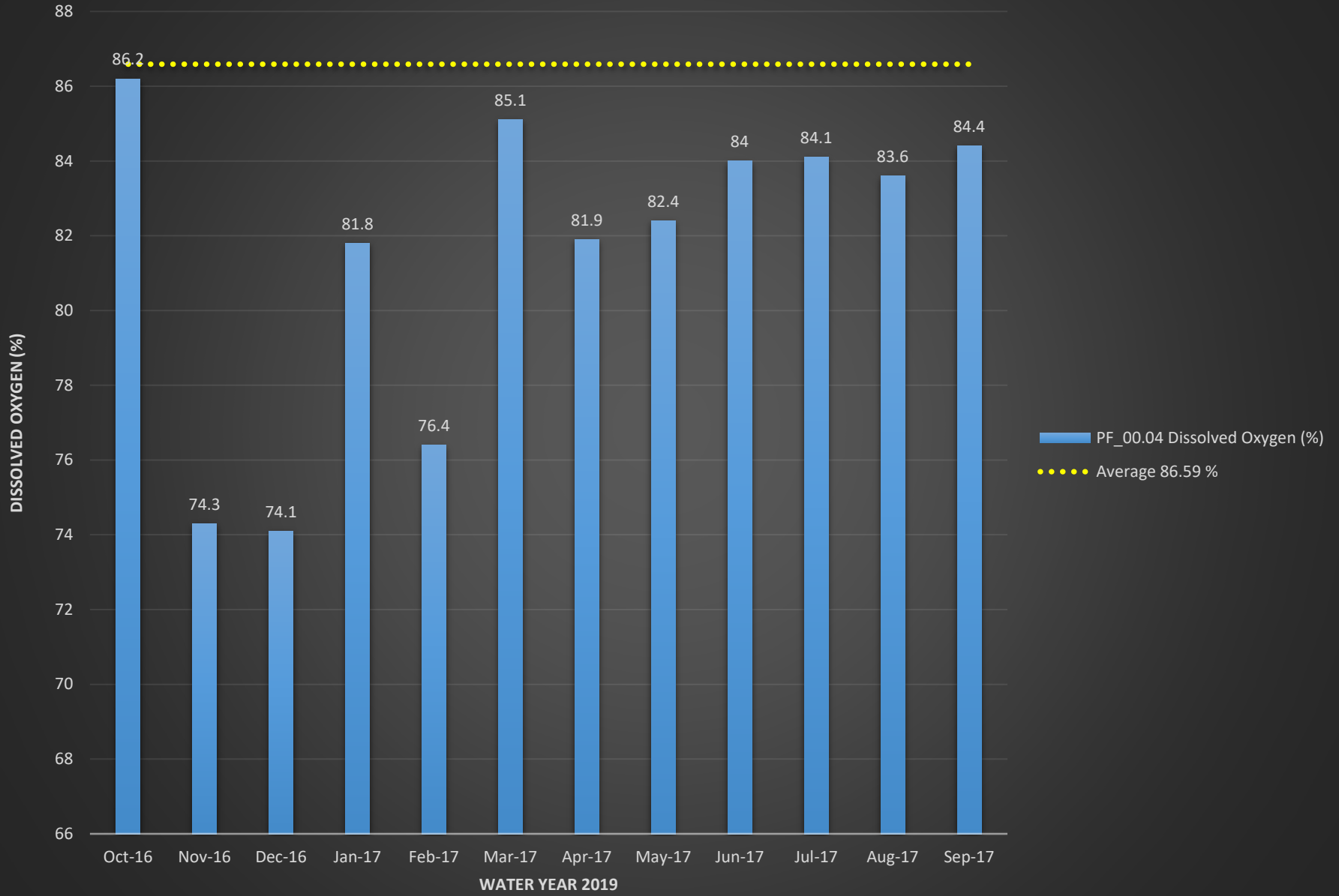
PF_00.04 E.coli (MPN)



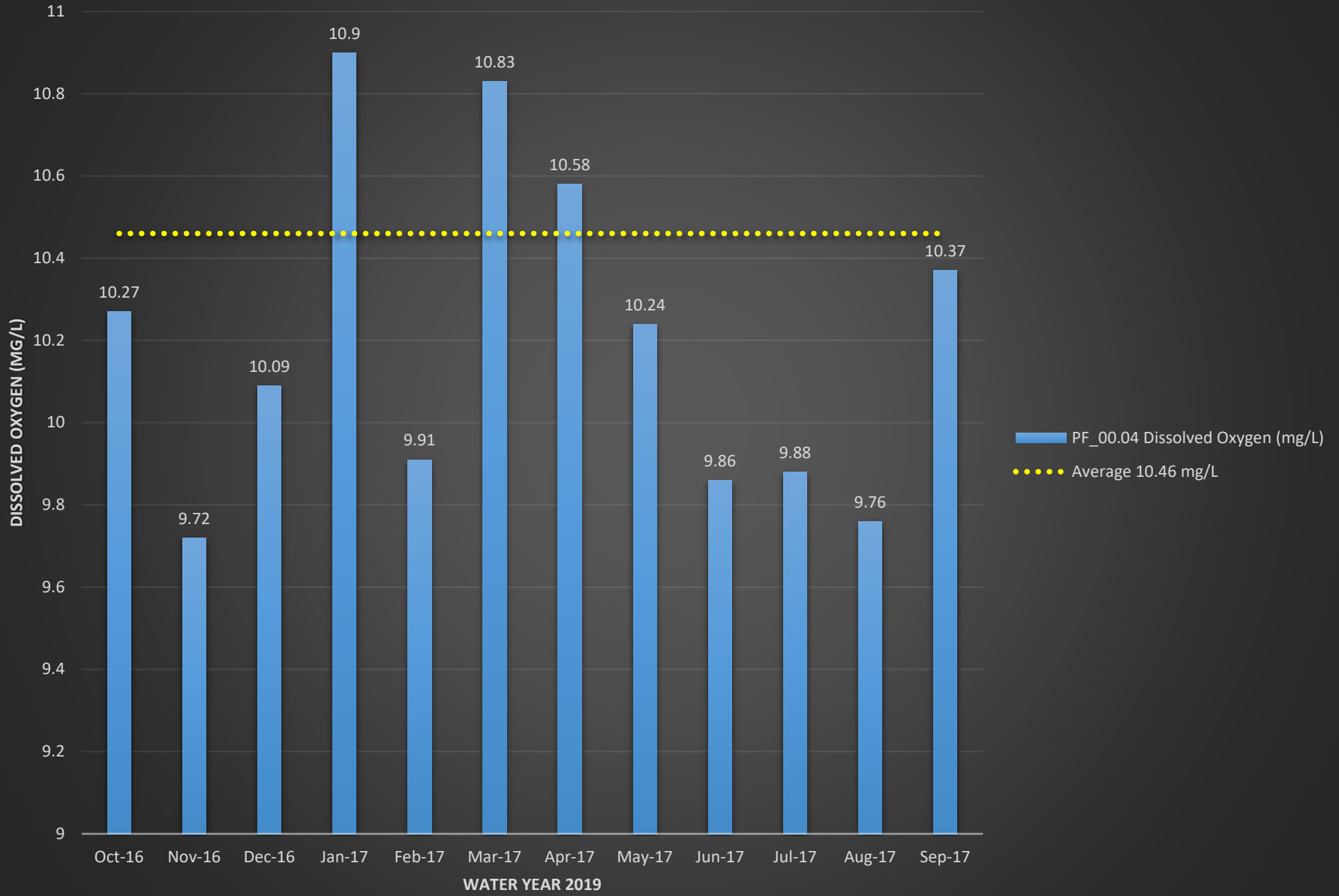
PF_00.04 Temperature (°C)



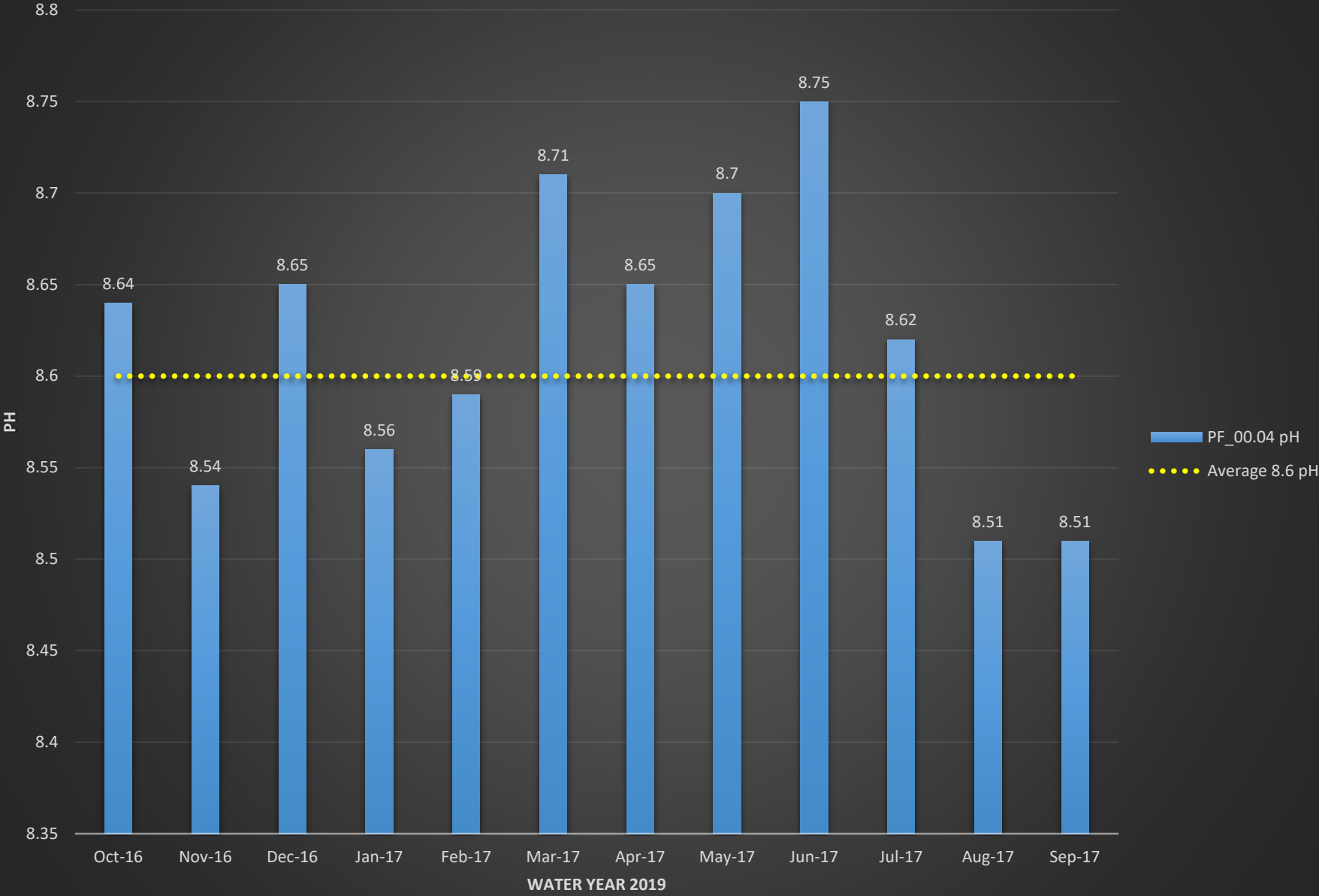
PF_00.04 Dissolved Oxygen (%)



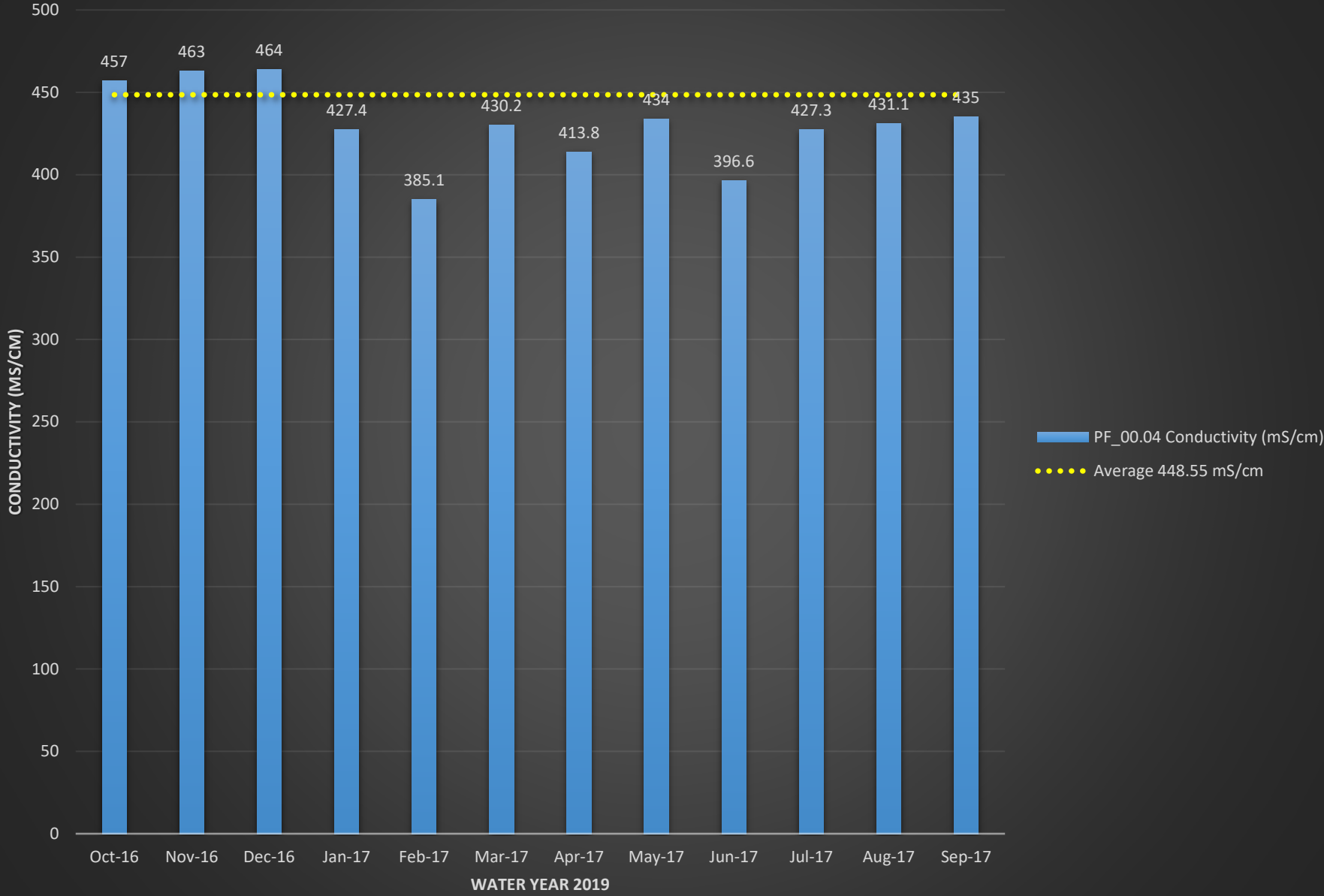
PF_00.04 Dissolved Oxygen (mg/L)



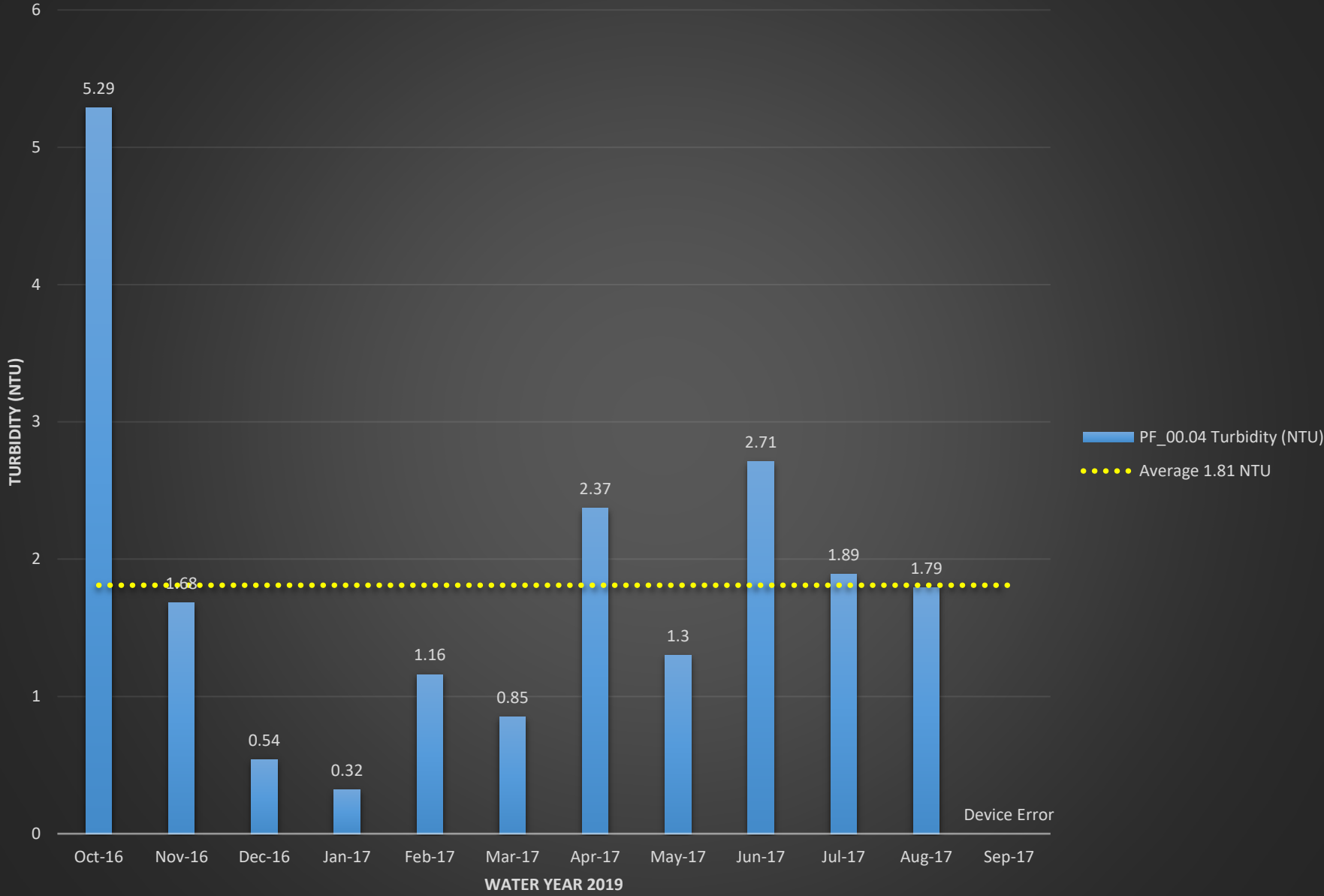
PF_00.04 pH



PF_00.04 Conductivity (mS/cm)

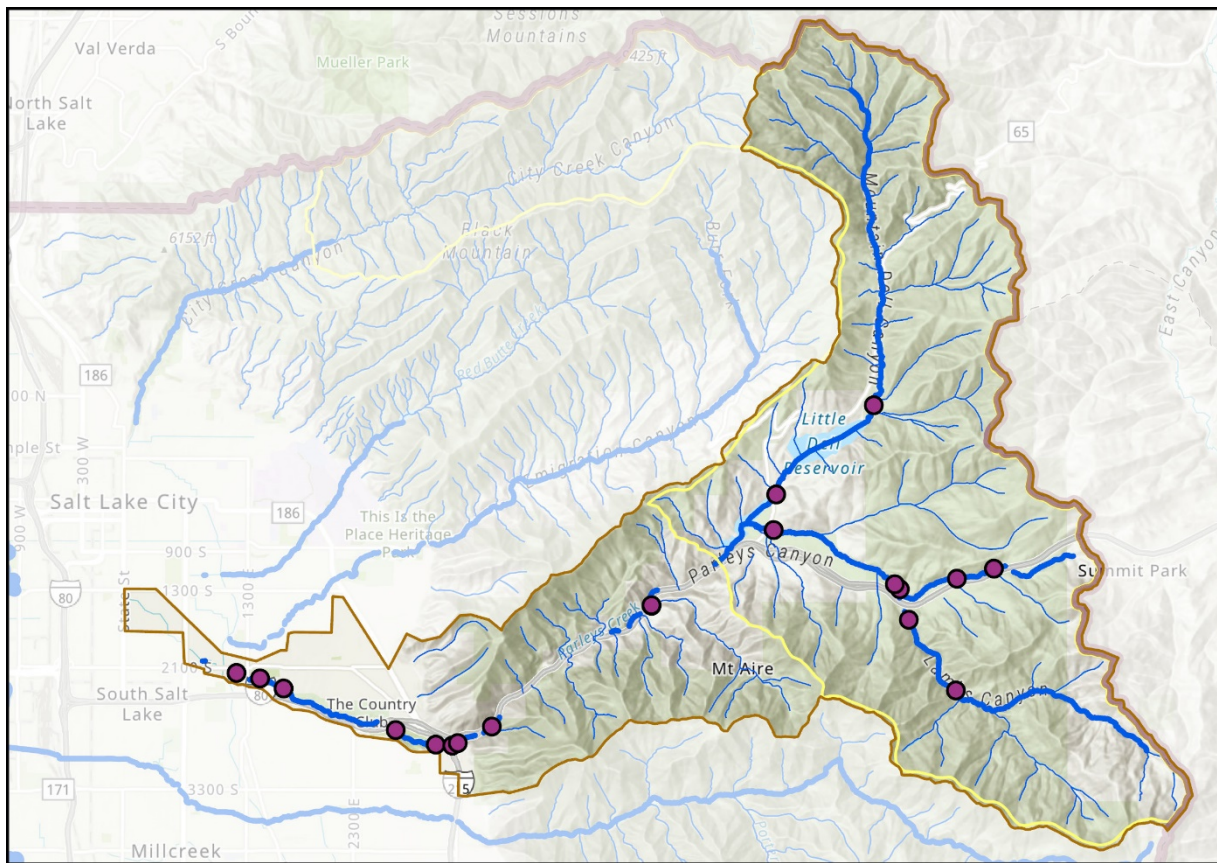


PF_00.04 Turbidity (NTU)



PARLEYS CREEK SUBWATERSHED

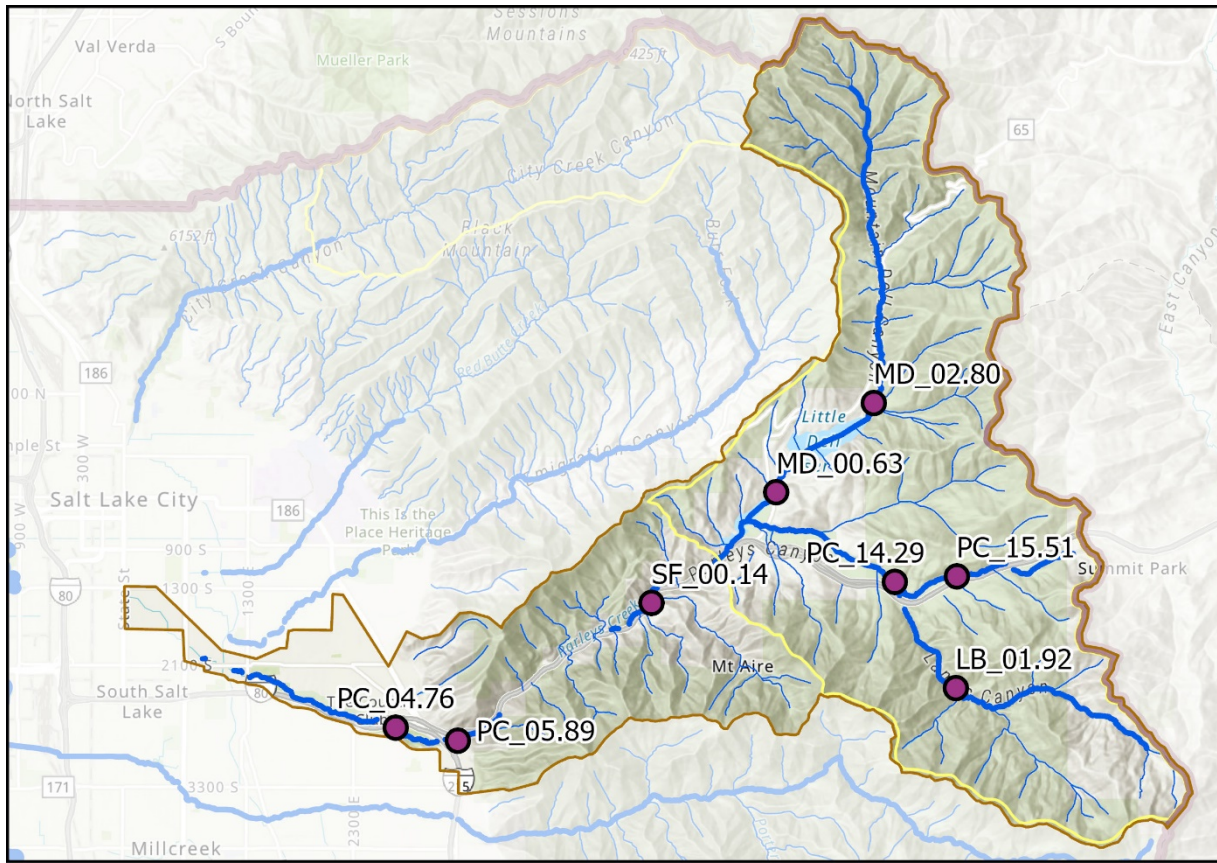
Subwatershed Map with All Sample Sites



- 2019 Sample Locations
- Salt Lake County Boundary
- SLC Drinking Water Source Protection Area
- Tributary
- Creek
- River



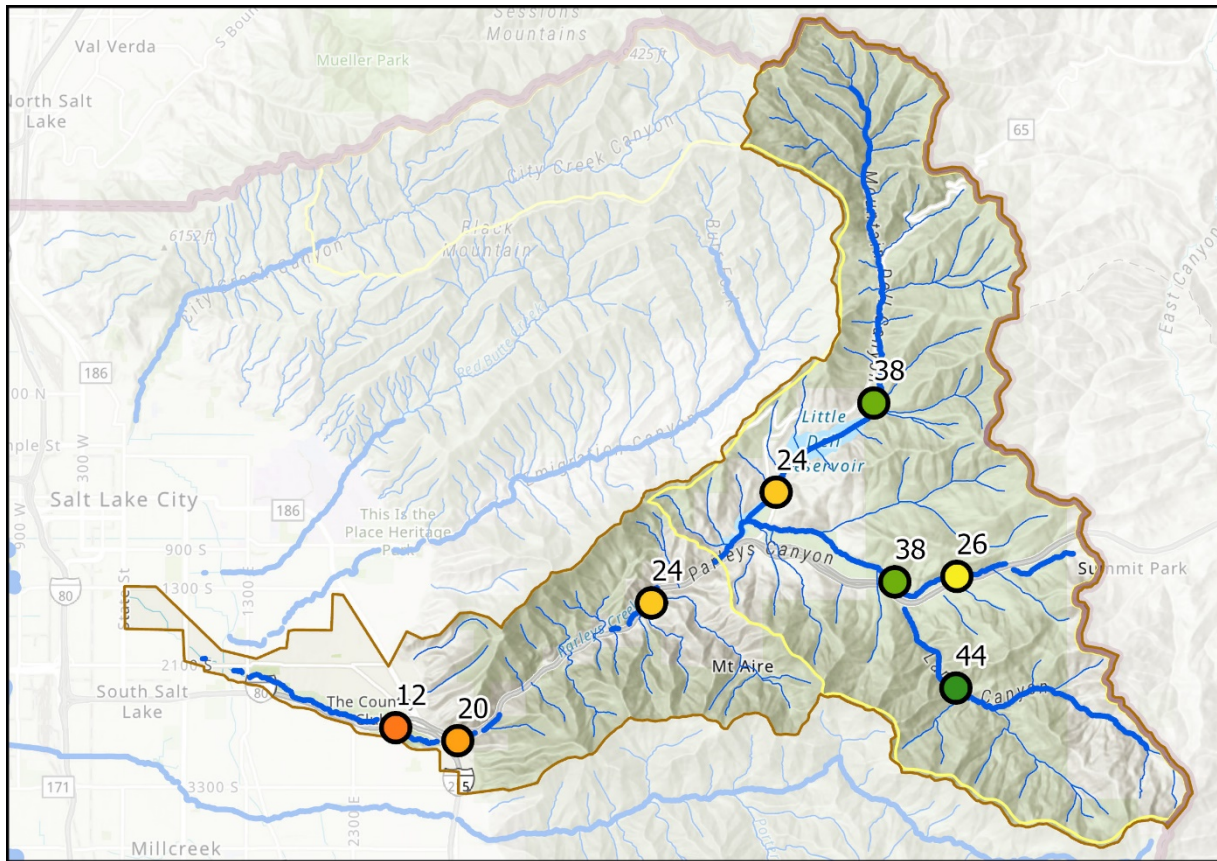
Subwatershed Map with Macroinvertebrate Sample Sites



- 2019 Macroinvertebrate Sample Locations
- Salt Lake County Boundary
- SLC Drinking Water Source Protection Area
- Tributary
- Creek
- River



Macroinvertebrate Karr-BIBI Results



2019 Macroinvertebrate
Karr BIBI

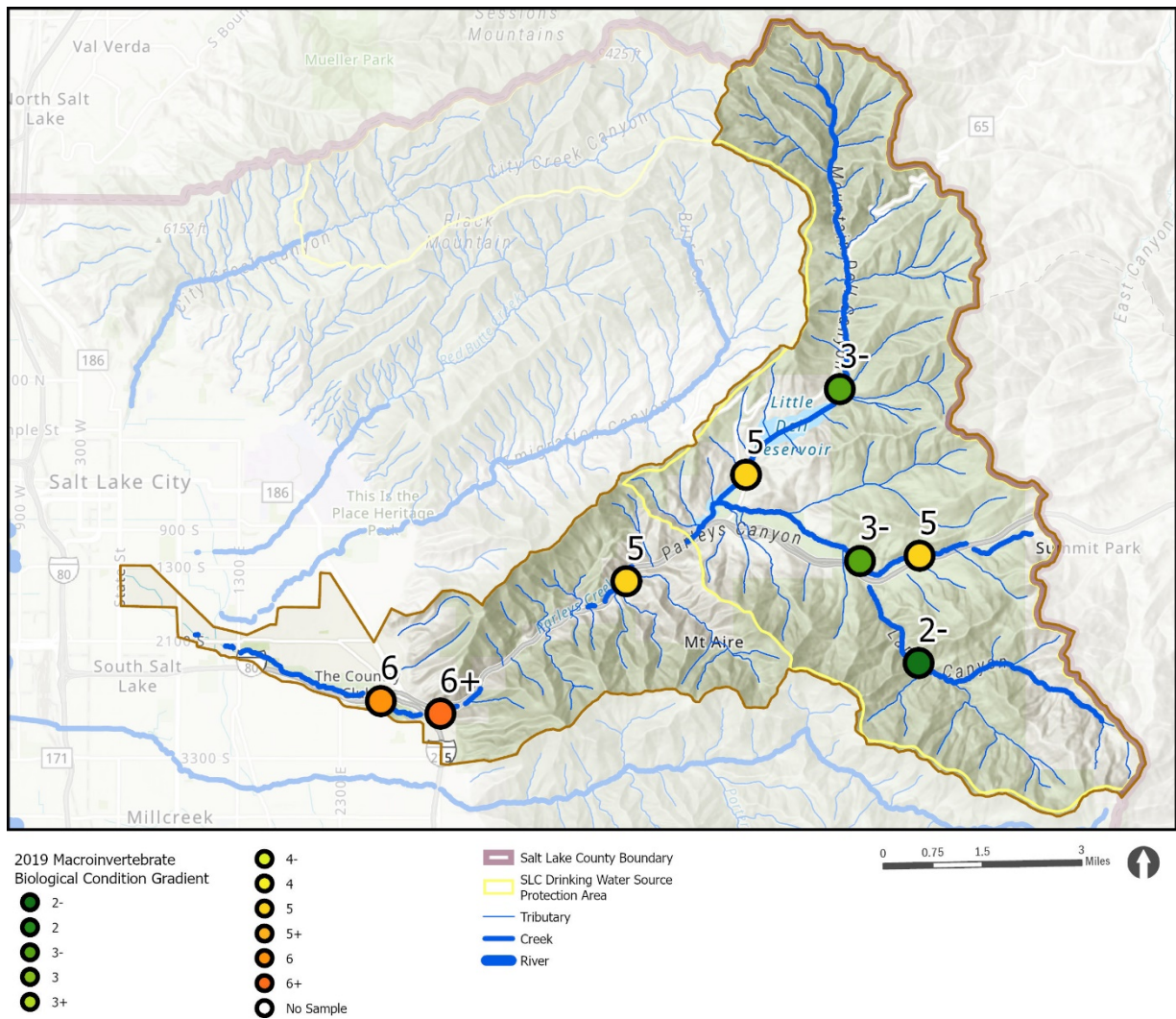
- ≤10
- ≤12
- ≤20
- ≤24

- ≤28
- ≤32
- ≤36
- ≤40
- ≤44
- ≤48

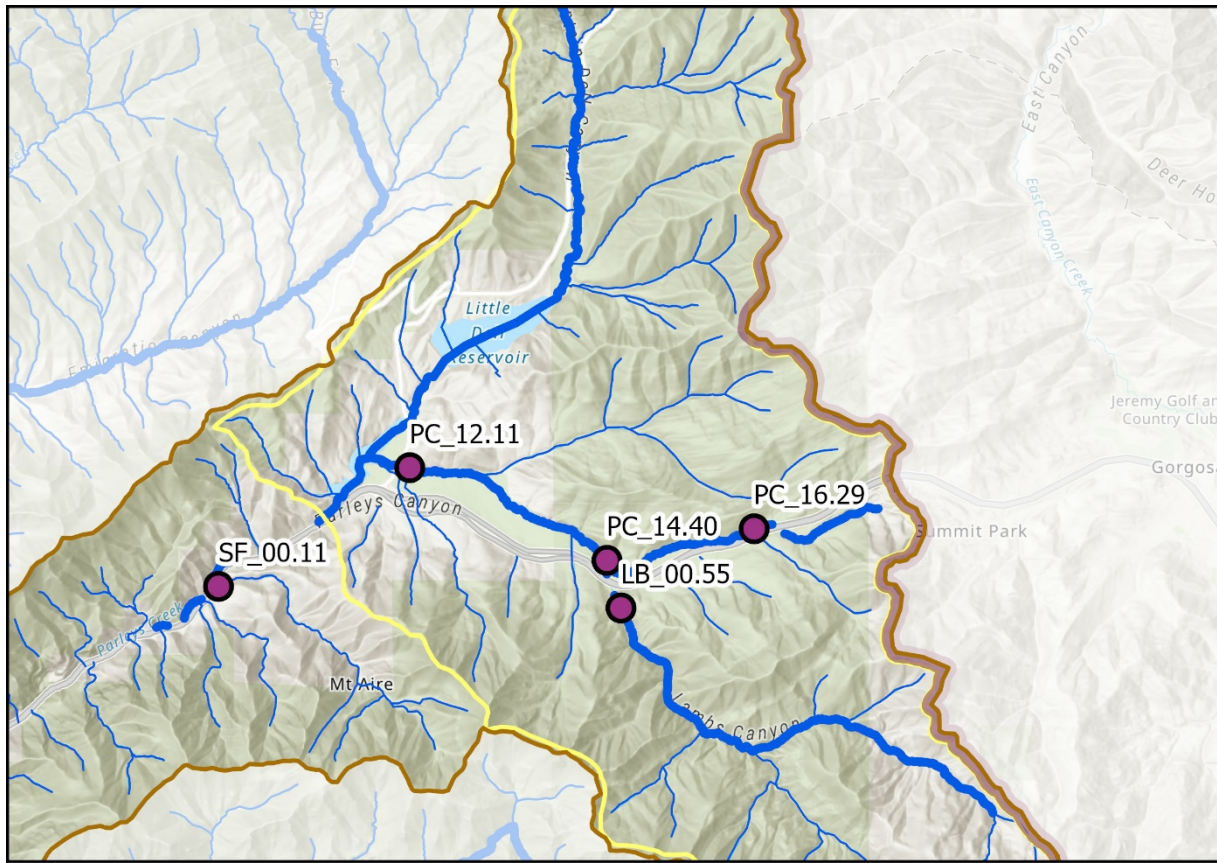
- No Sample
- Salt Lake County Boundary
- SLC Drinking Water Source Protection Area
- Tributary
- Creek
- River



Macroinvertebrate Biological Condition Gradient (BCG) Results



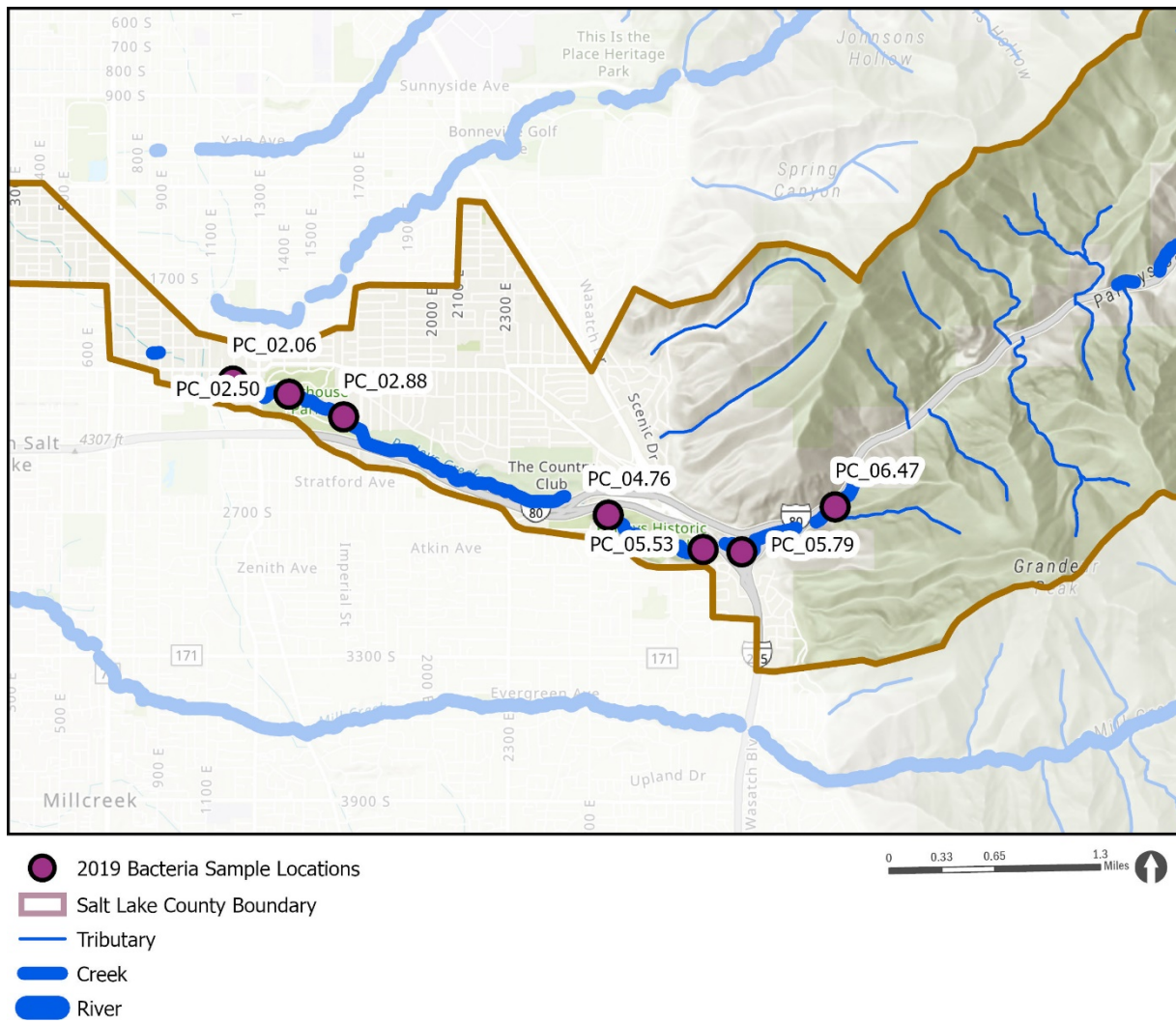
Subwatershed Map with Bacteria Sample Sites (upper)



- 2019 Bacteria Sample Locations
- Salt Lake County Boundary
- SLC Drinking Water Source Protection Area
- Tributary
- Creek
- River



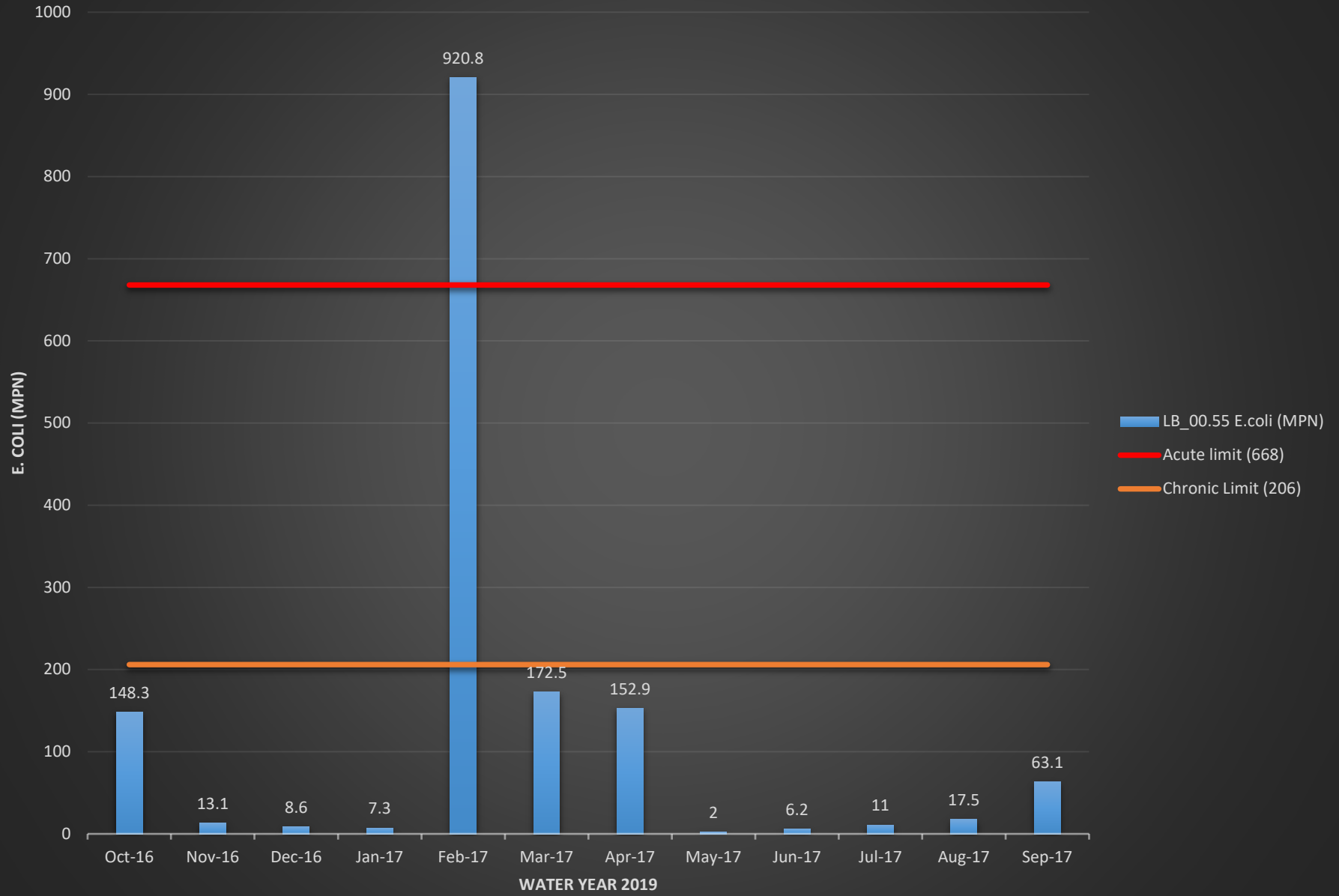
Subwatershed Map with Bacteria Sample Sites (lower)



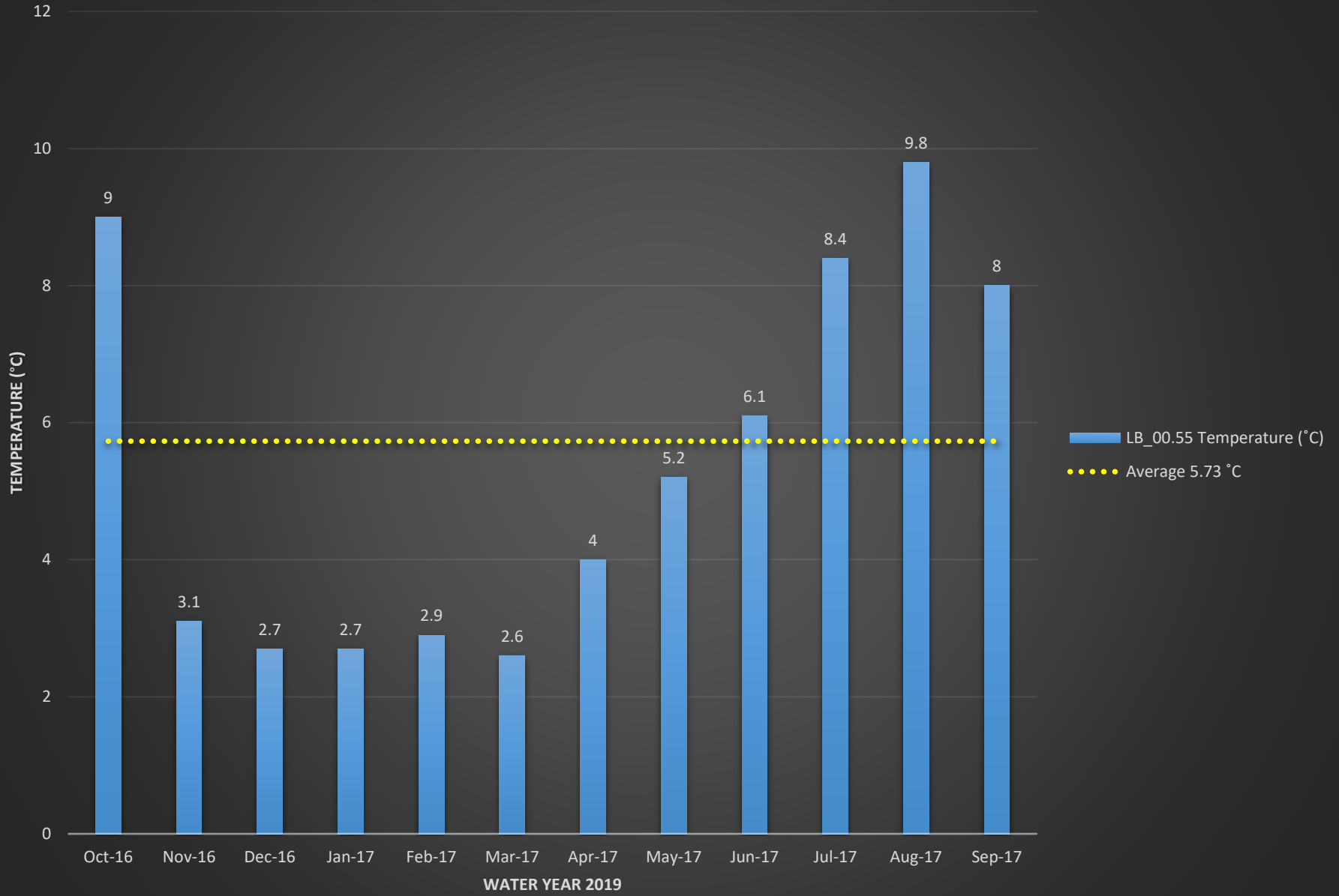
E.coli & Field Parameter Graphs

Graphs begin on next page...

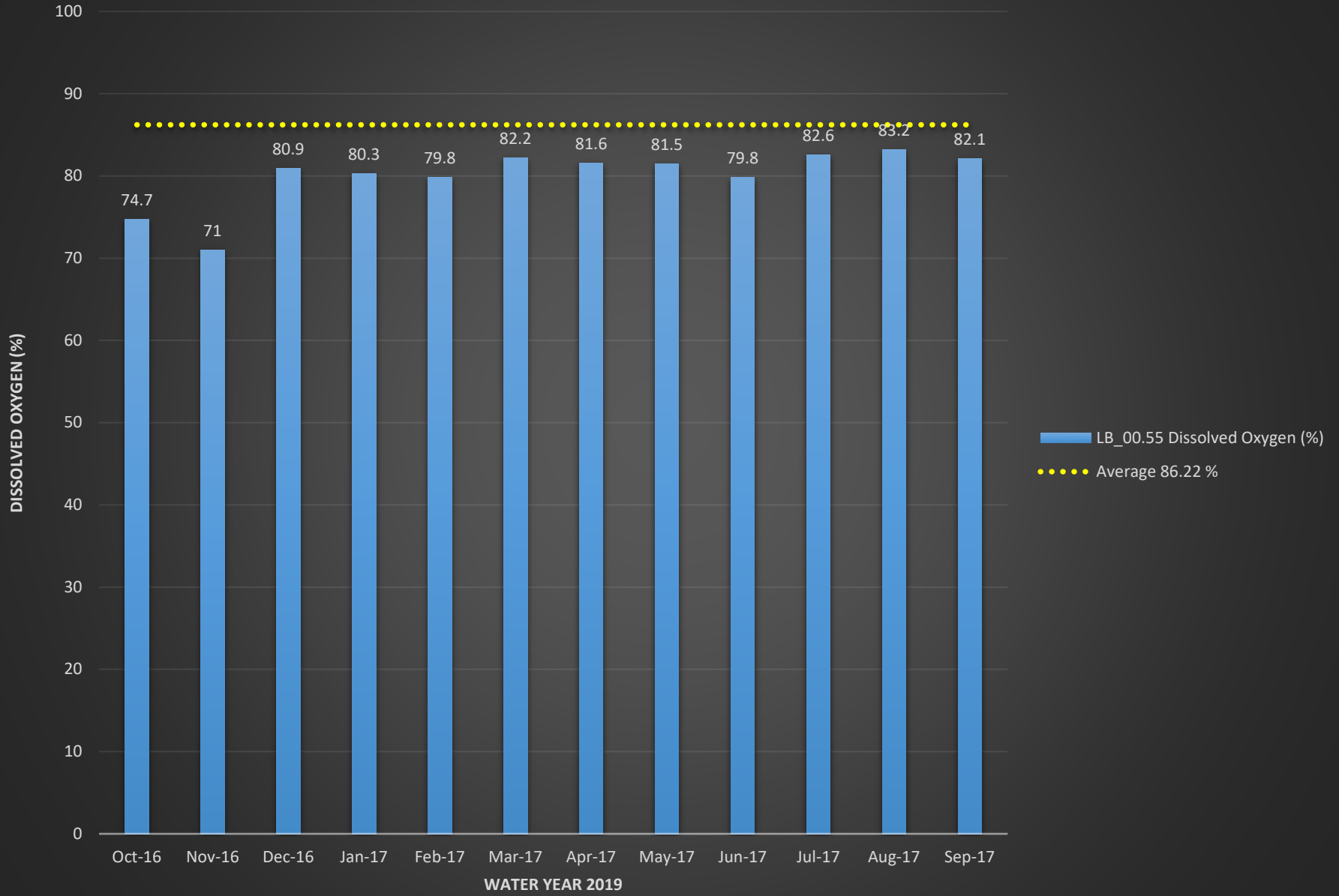
LB_00.55 E.coli (MPN)



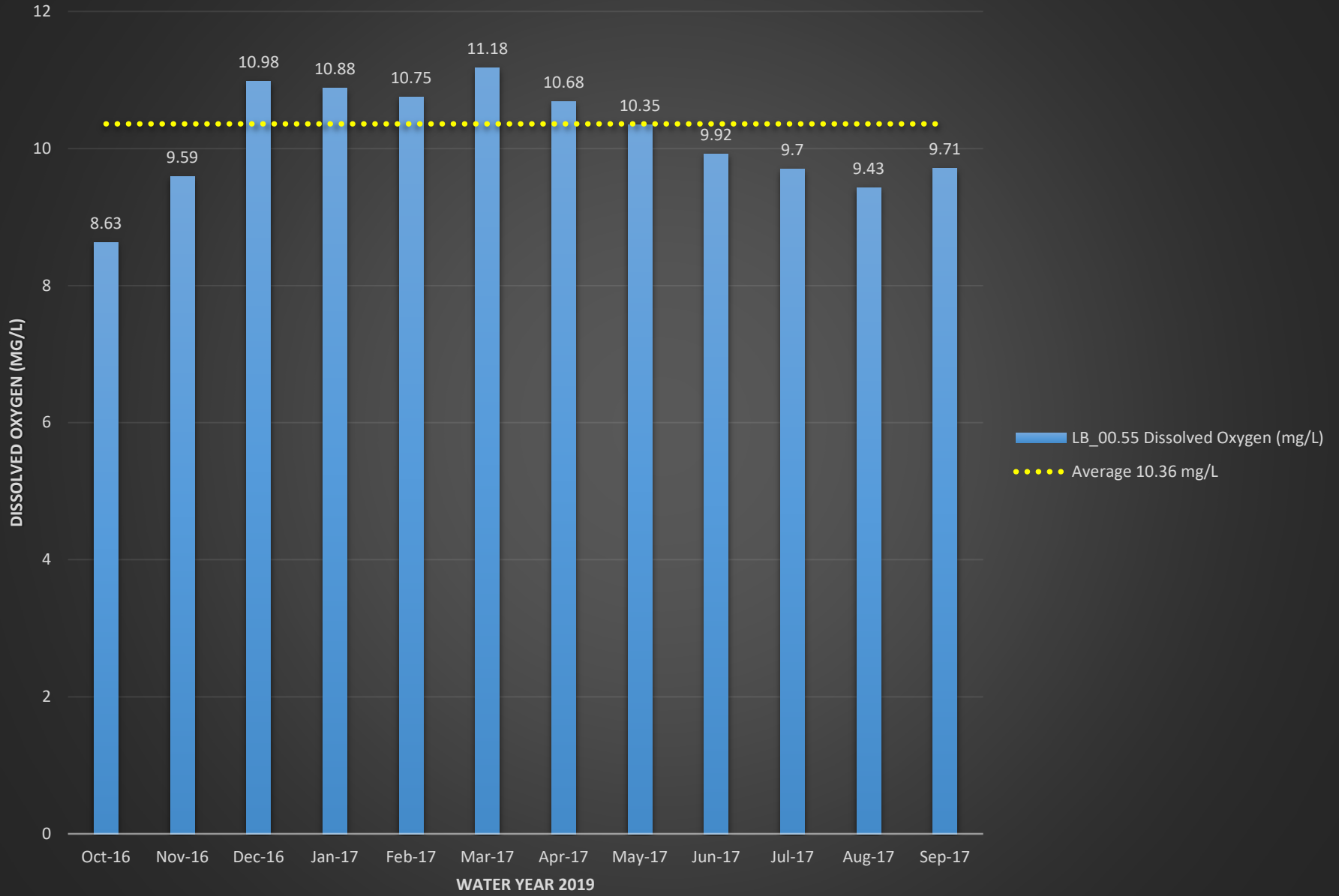
LB_00.55 Temperature (°C)



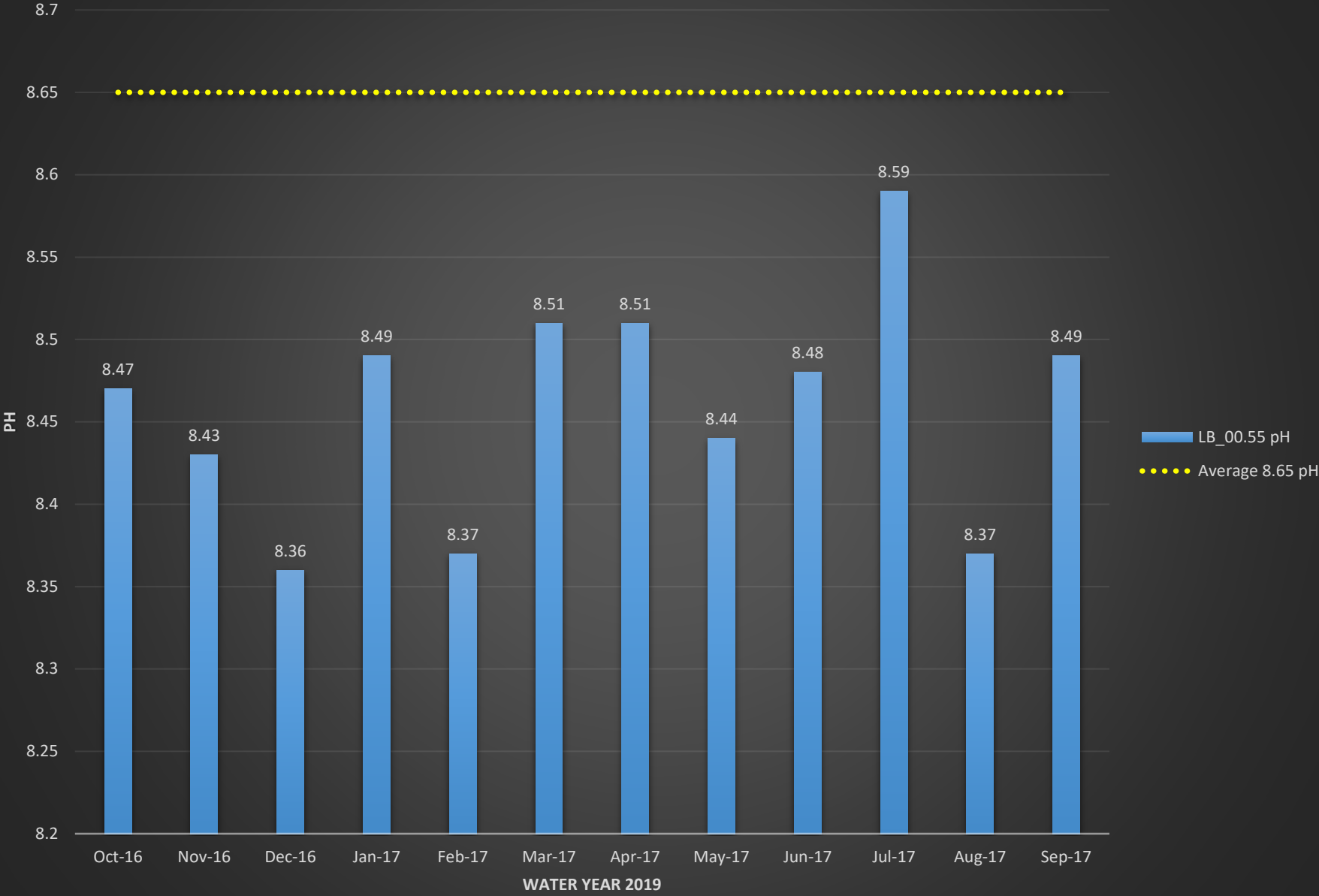
LB_00.55 Dissolved Oxygen (%)



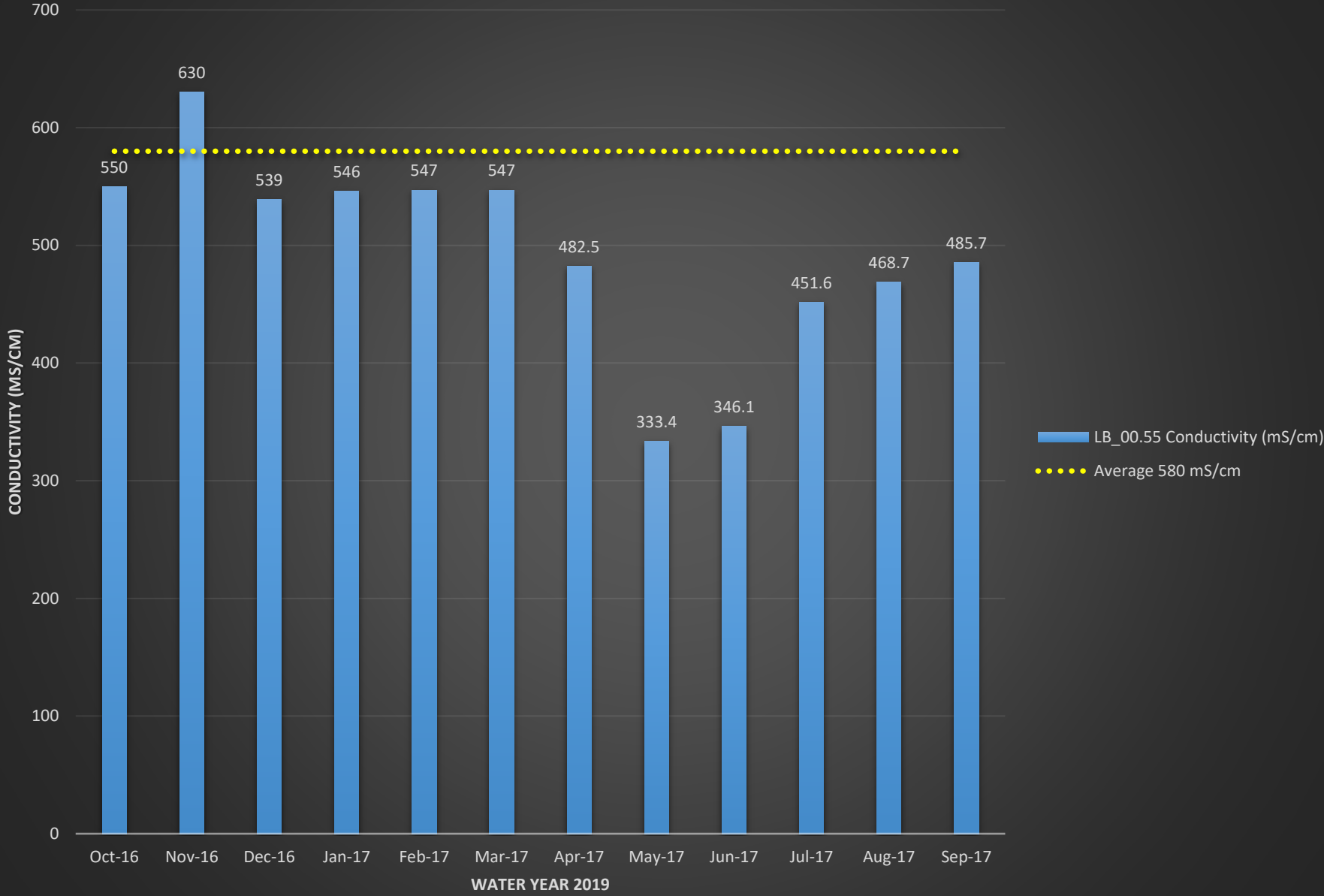
LB_00.55 Dissolved Oxygen (mg/L)



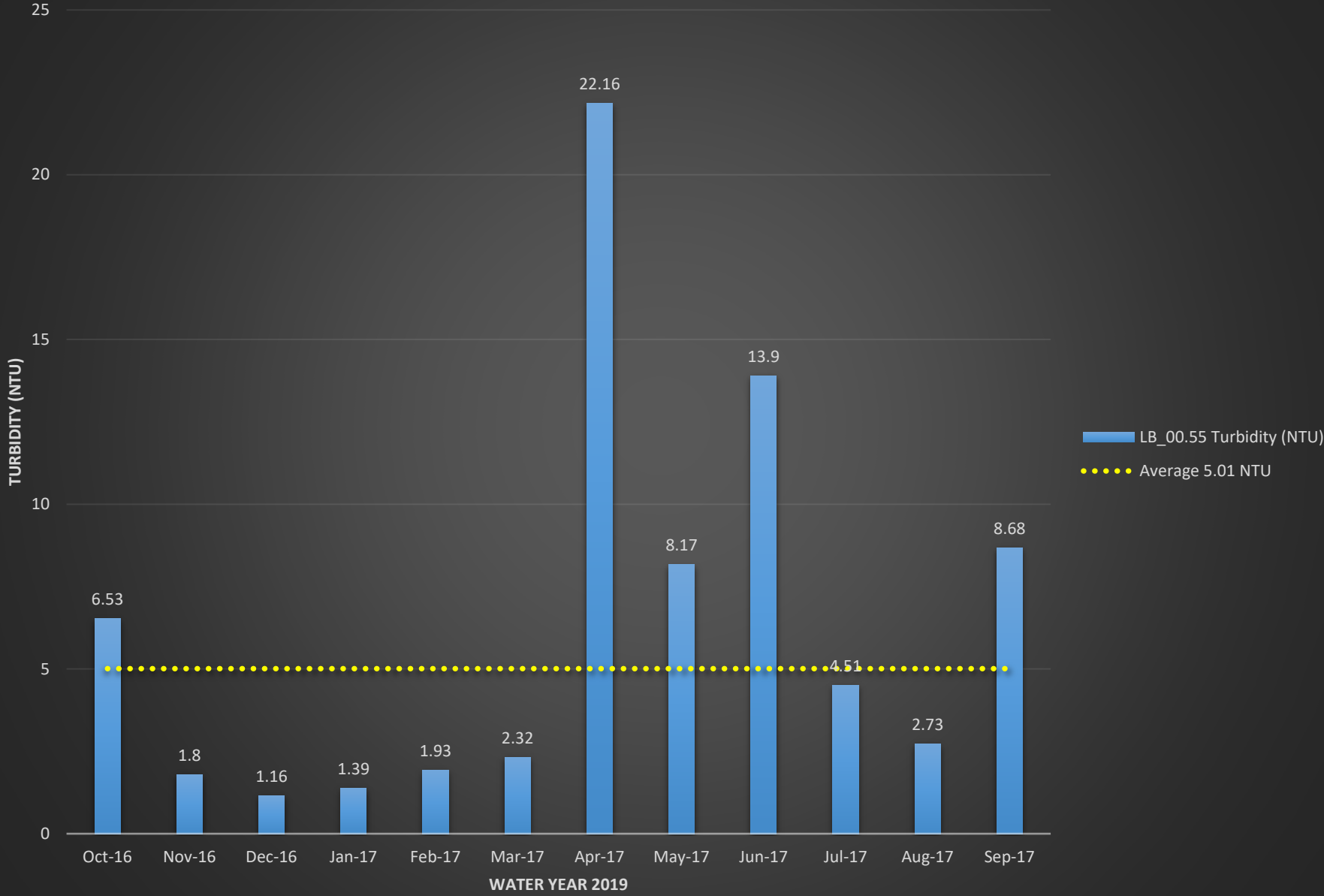
LB_00.55 pH



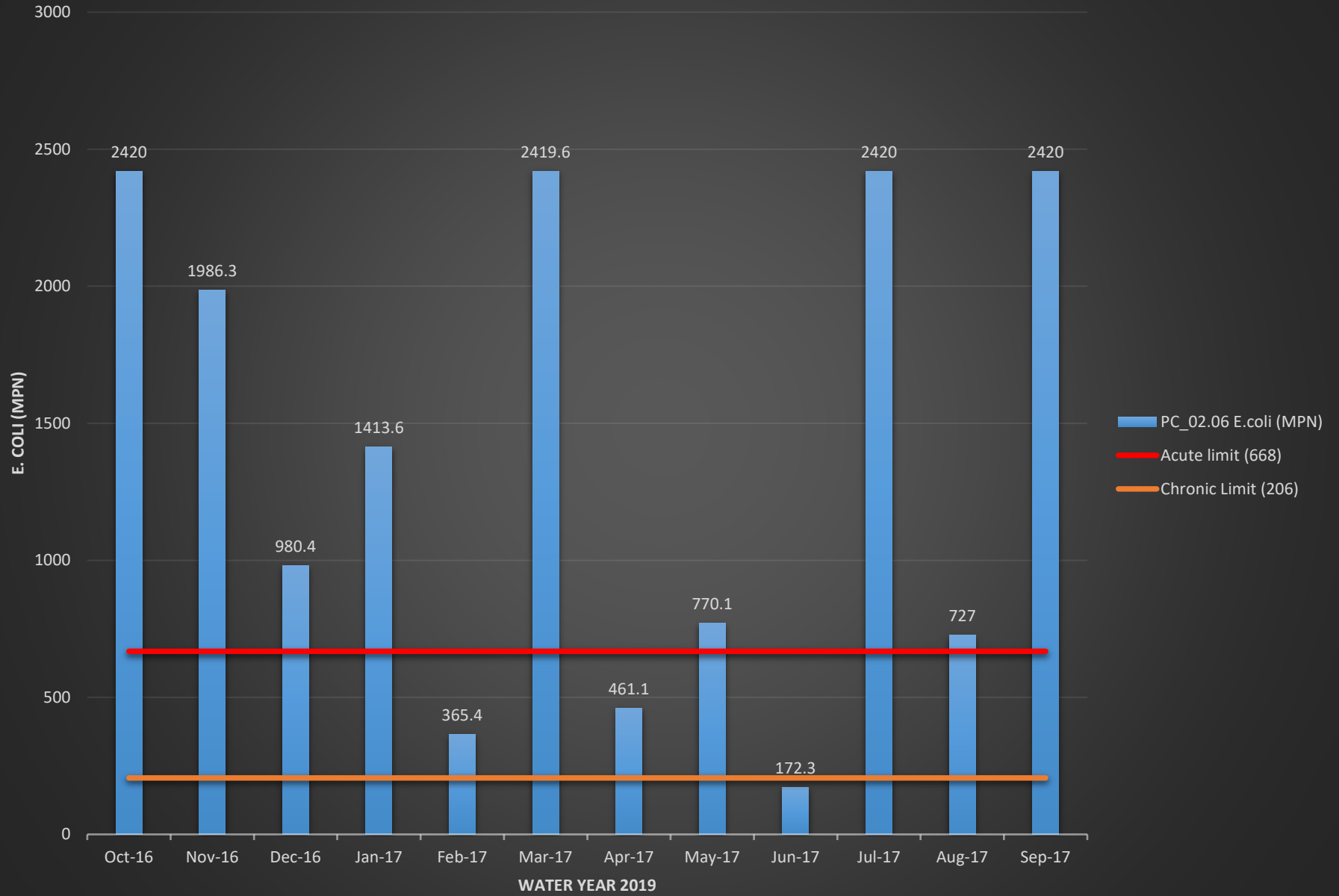
LB_00.55 Conductivity (mS/cm)



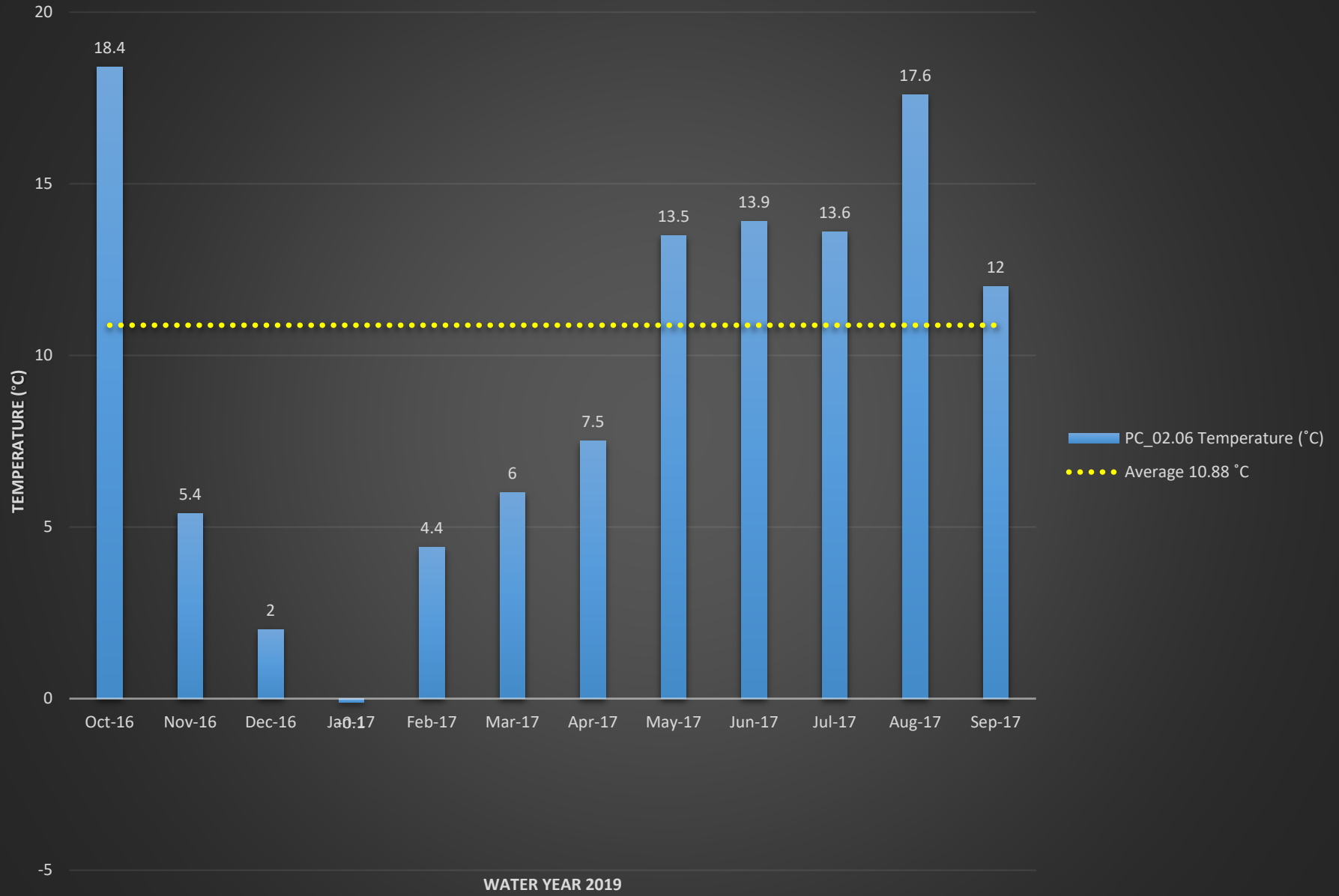
LB_00.55 Turbidity (NTU)



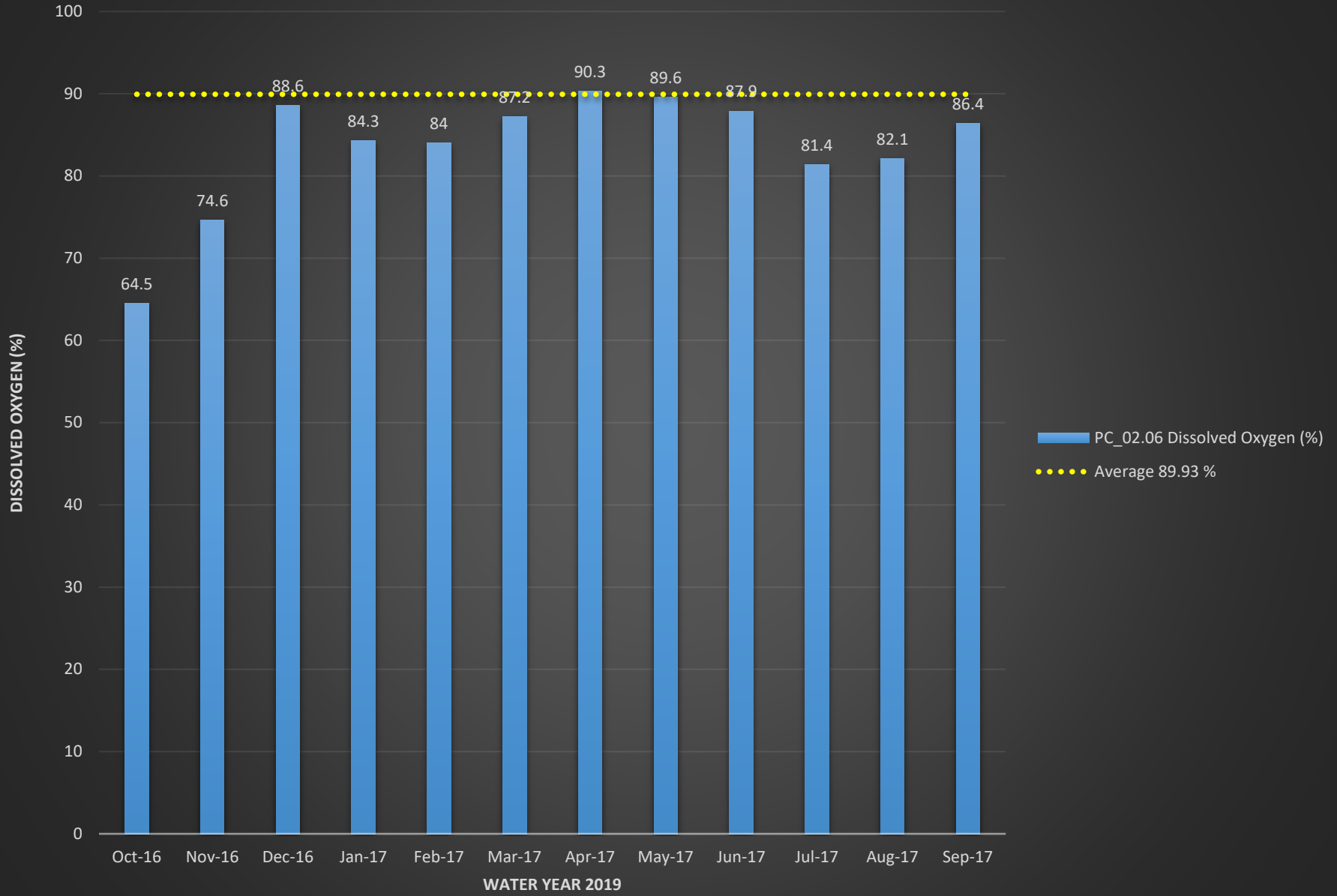
PC_02.06 E.coli (MPN)



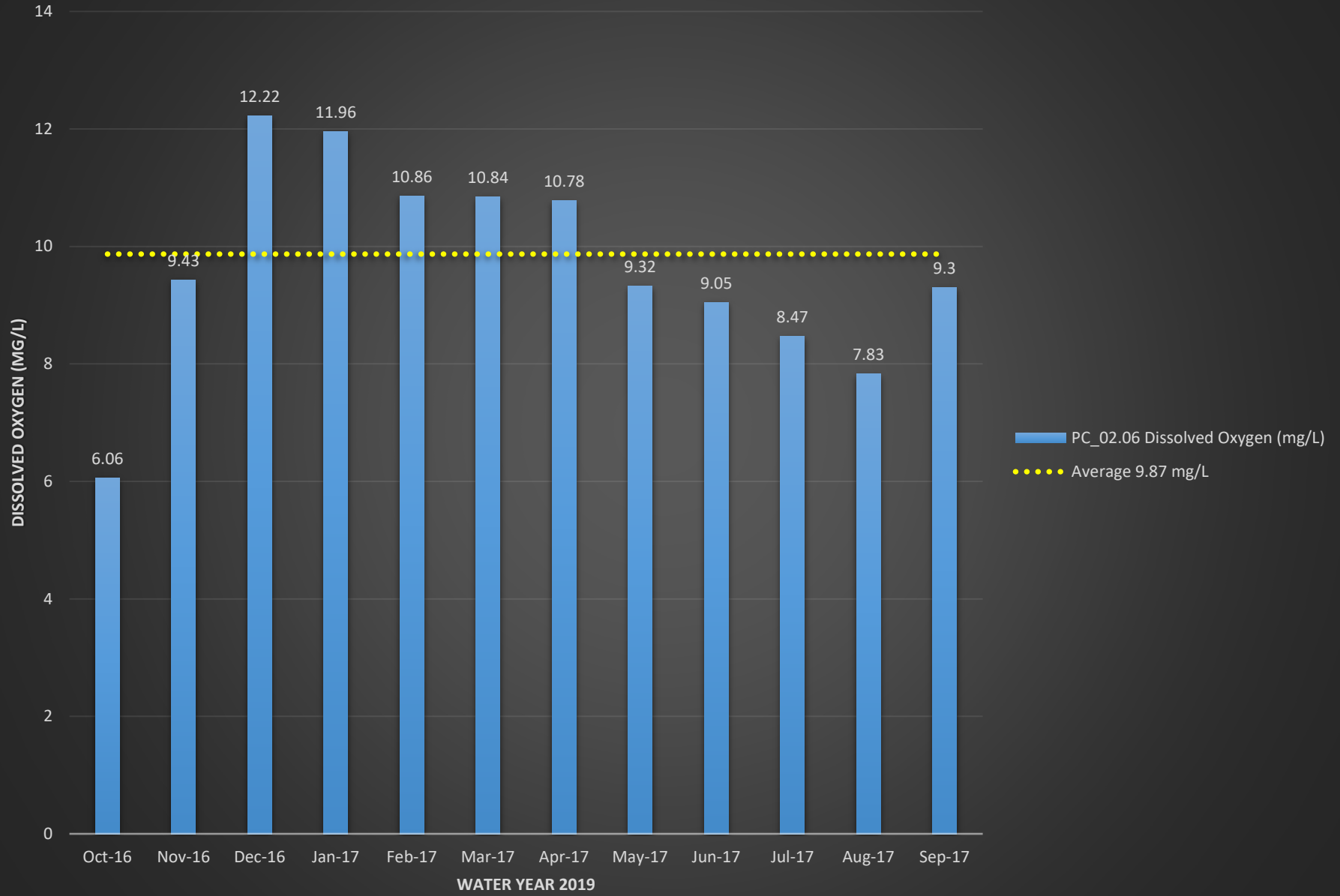
PC_02.06 Temperature (°C)



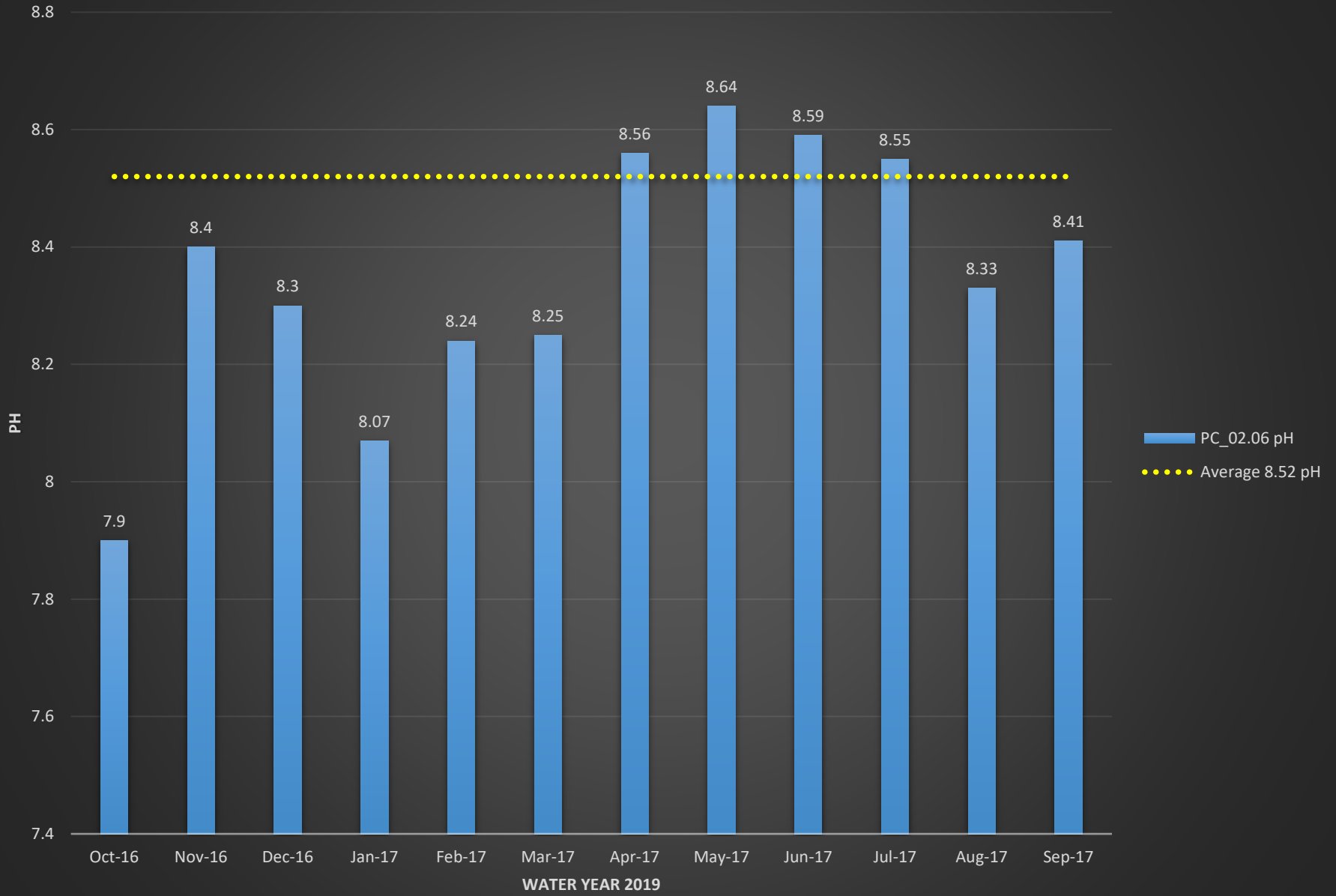
PC_02.06 Dissolved Oxygen (%)



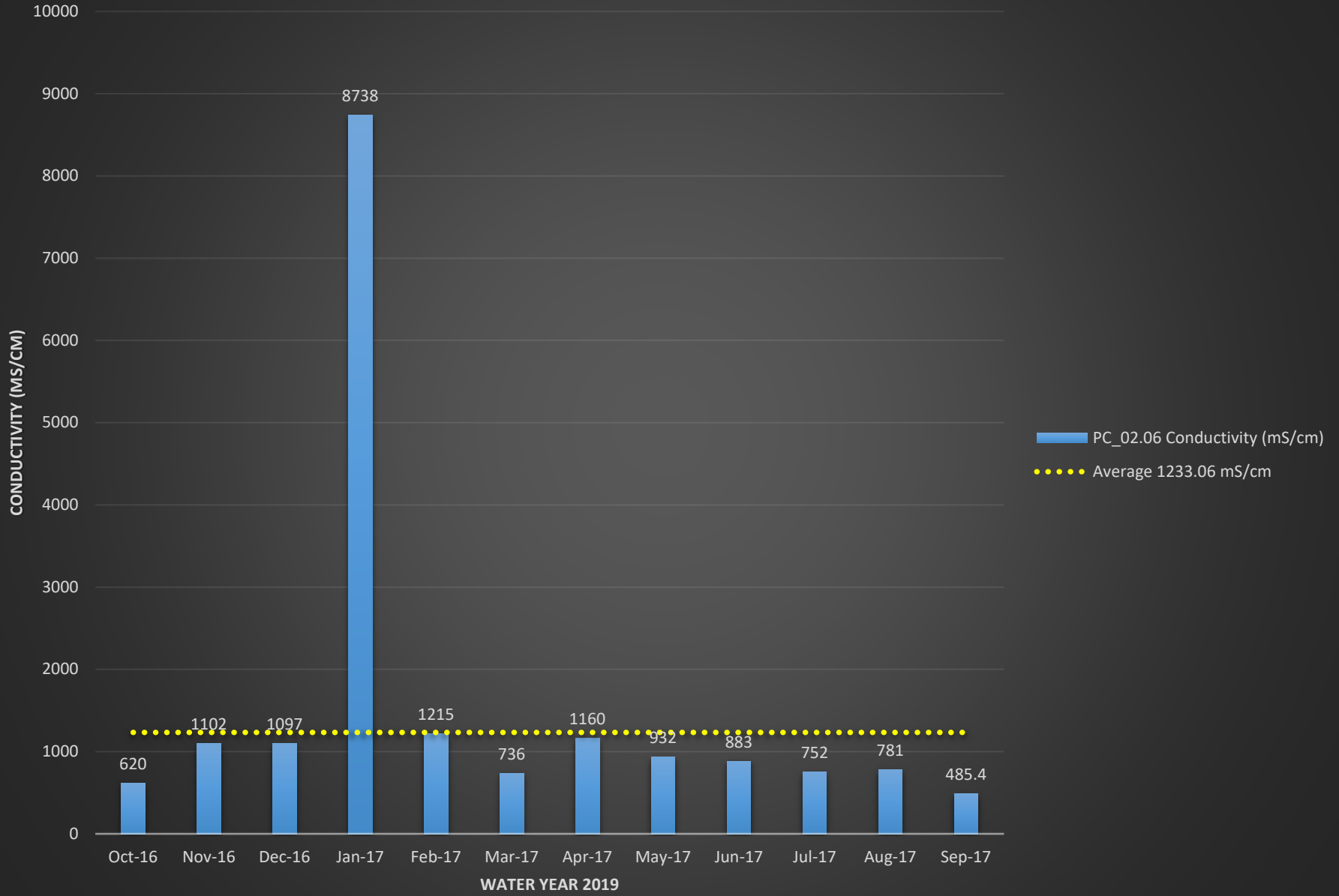
PC_02.06 Dissolved Oxygen (mg/L)



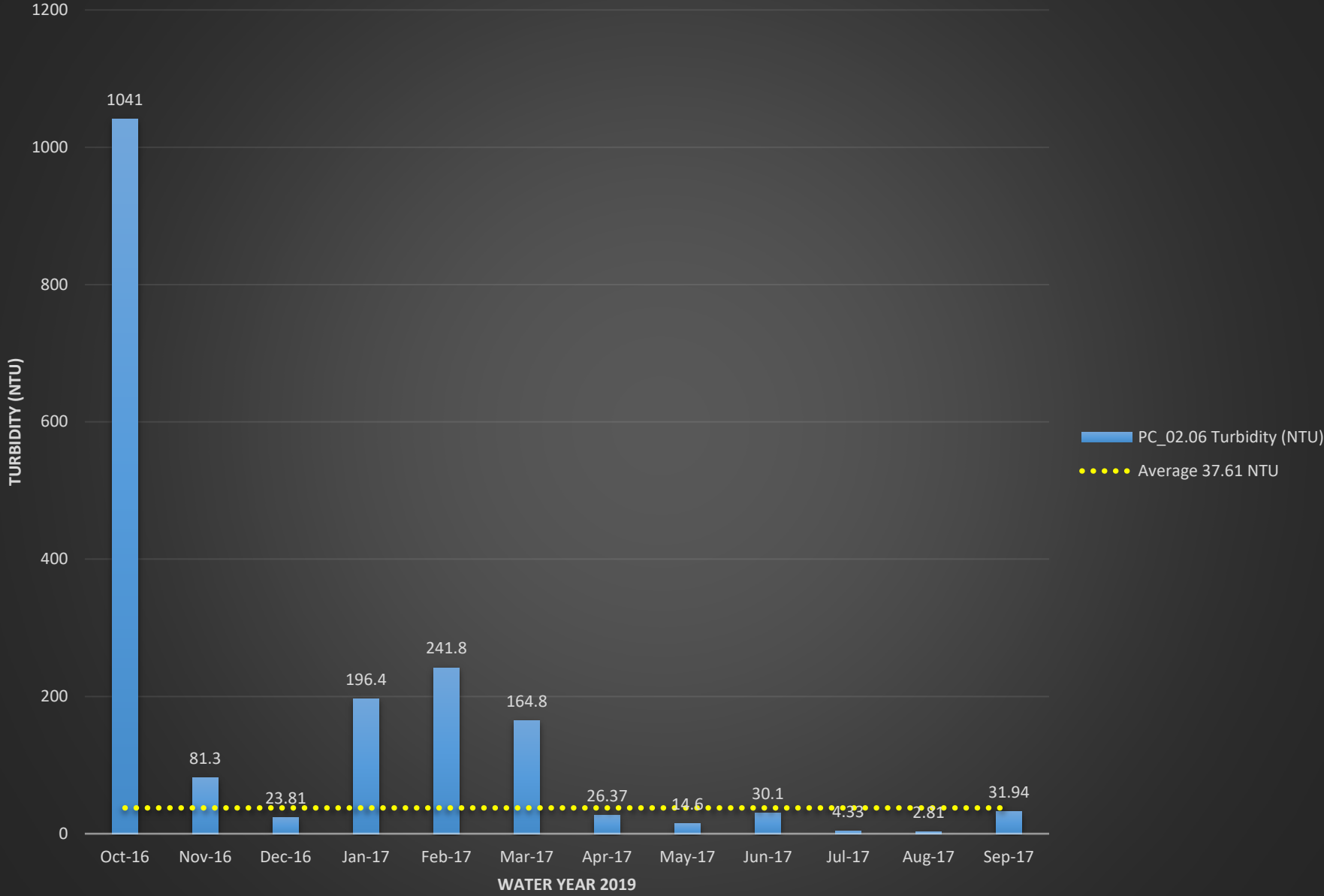
PC_02.06 pH



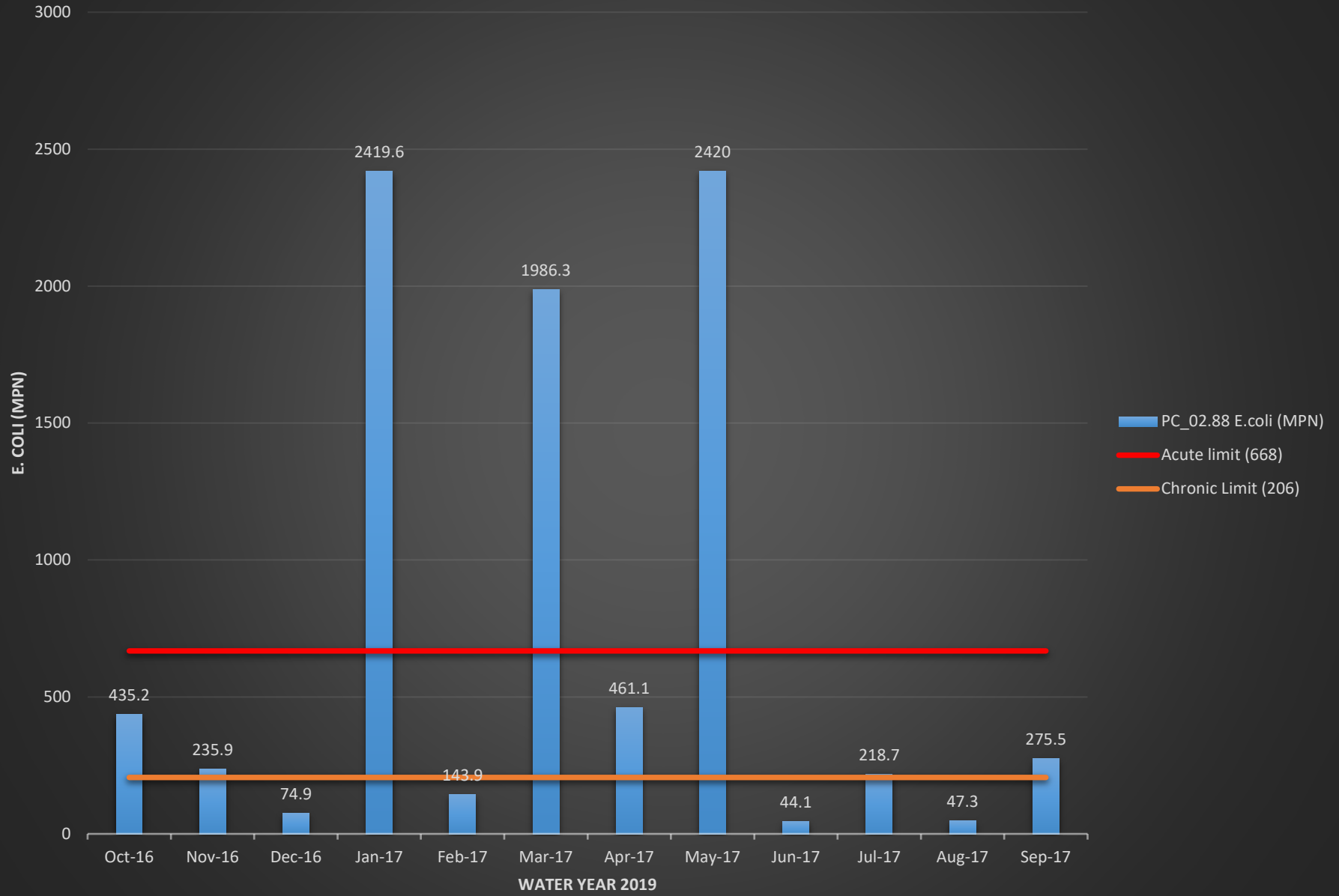
PC_02.06 Conductivity (mS/cm)



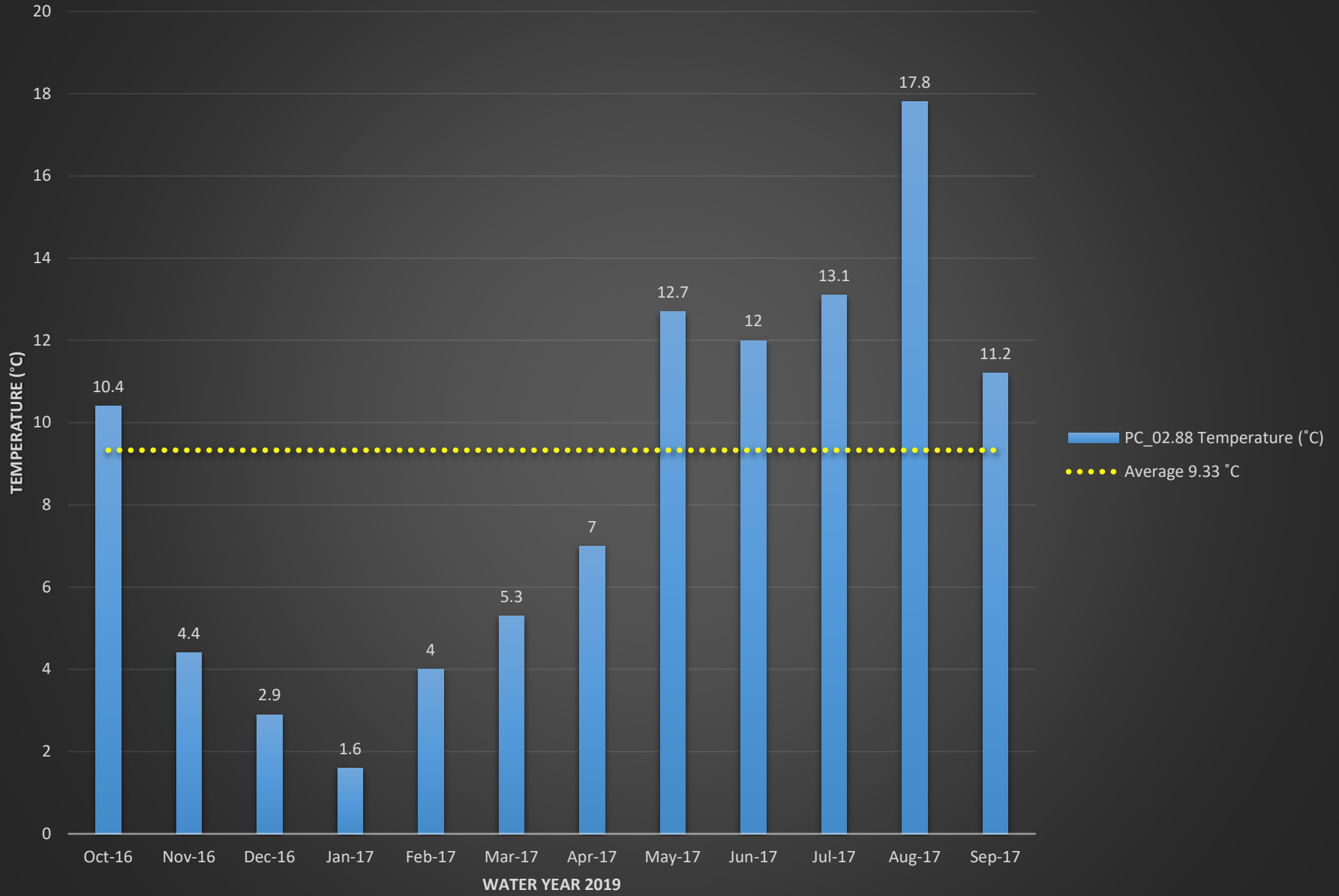
PC_02.06 Turbidity (NTU)



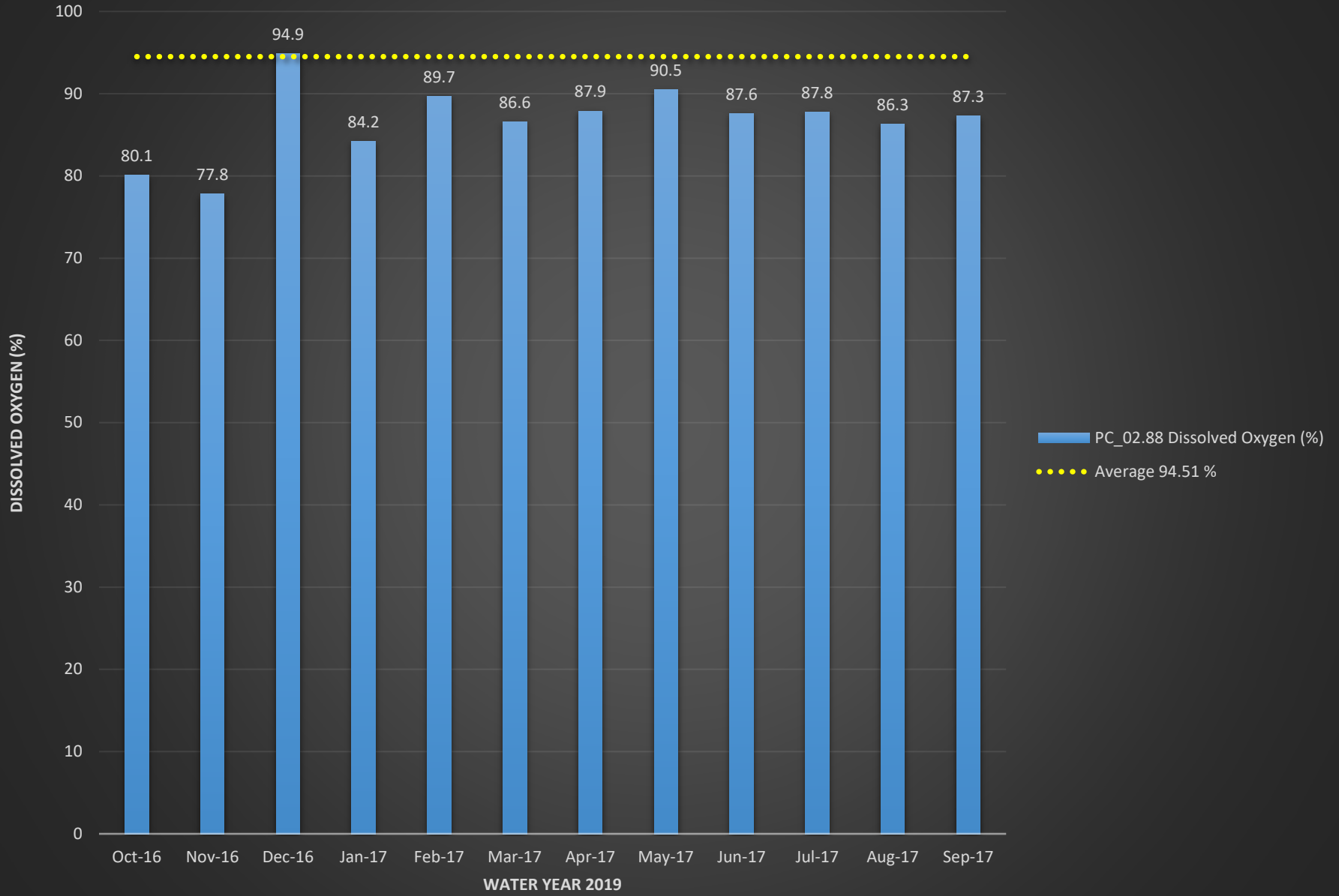
PC_02.88 E.coli (MPN)



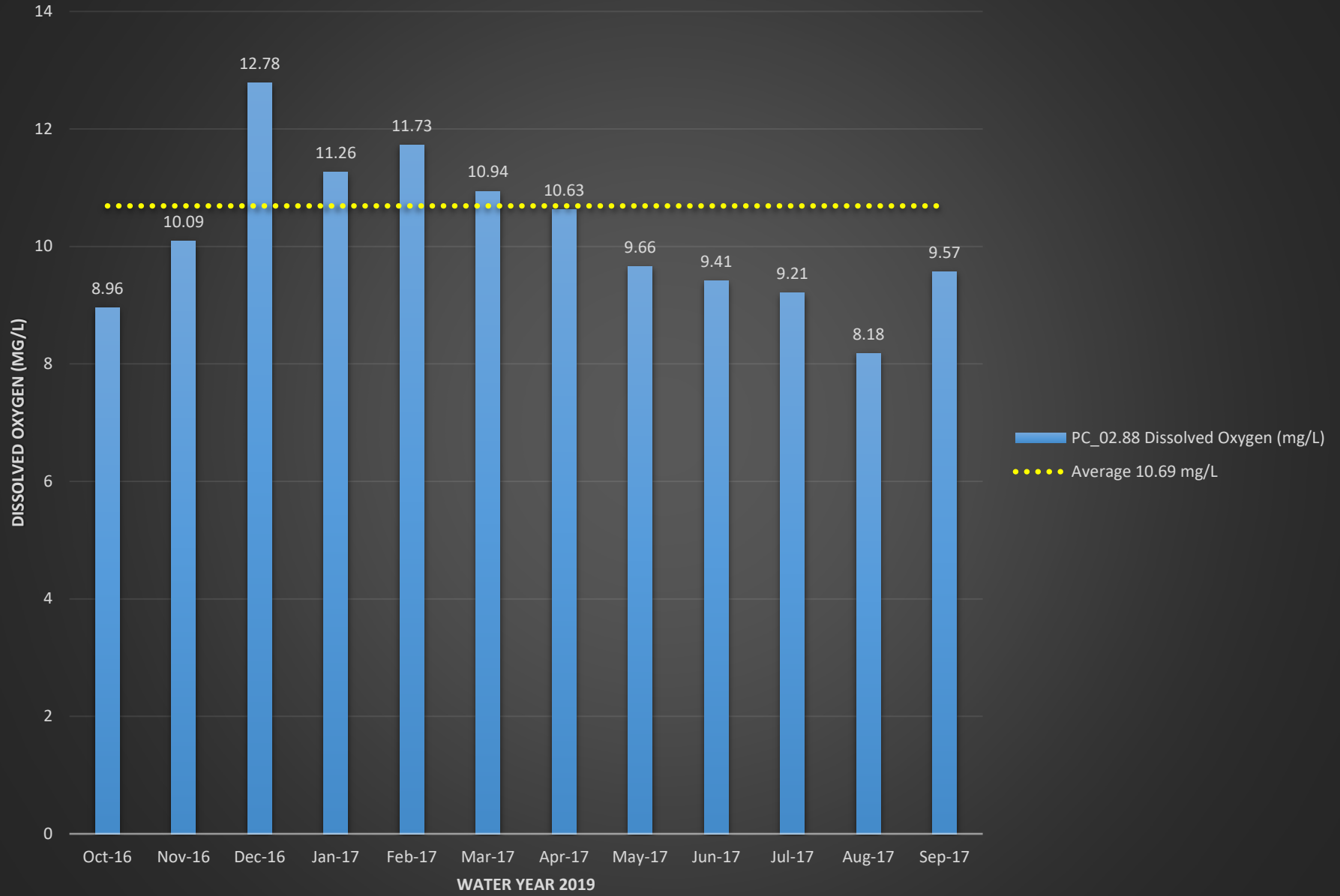
PC_02.88 Temperature (°C)



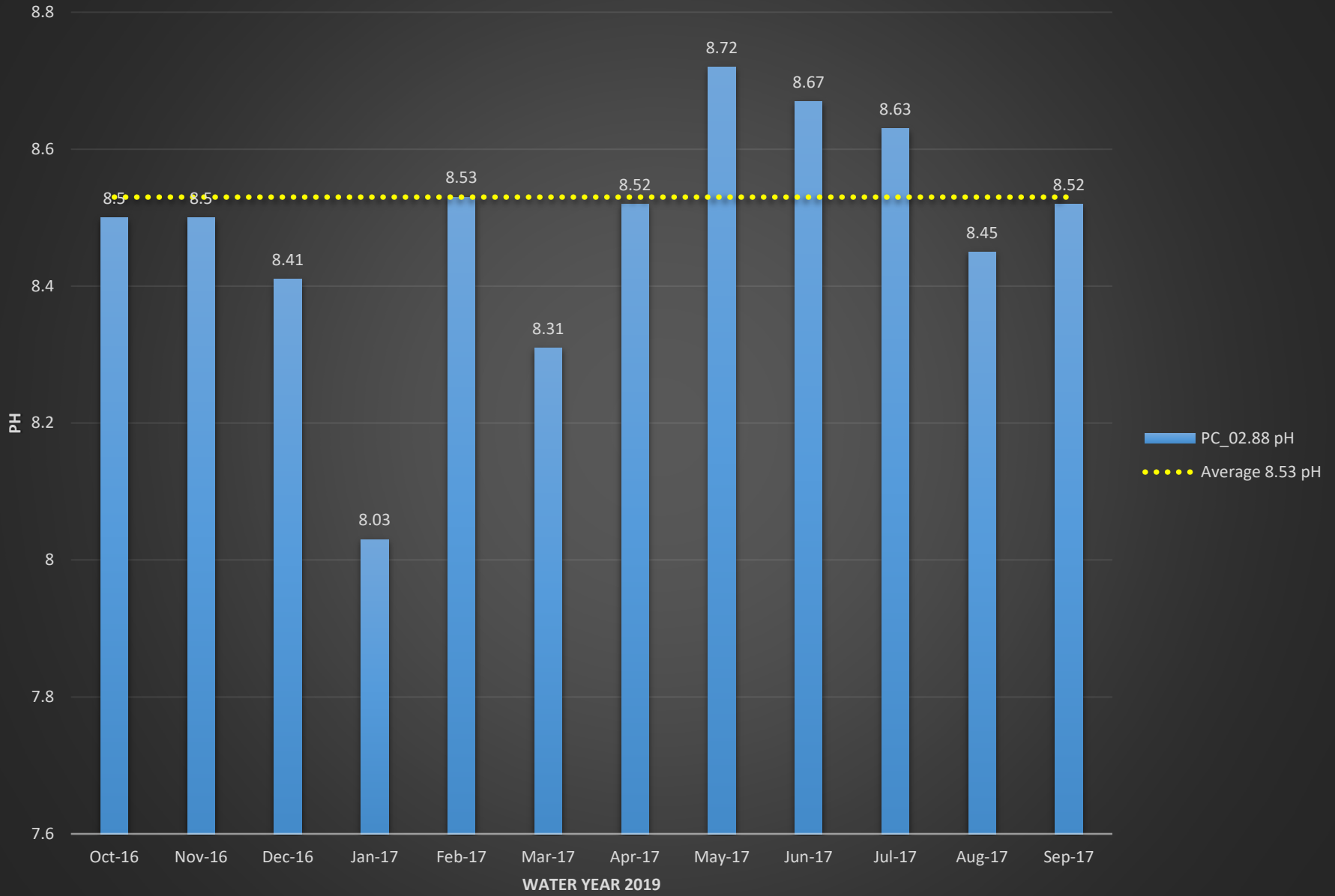
PC_02.88 Dissolved Oxygen (%)



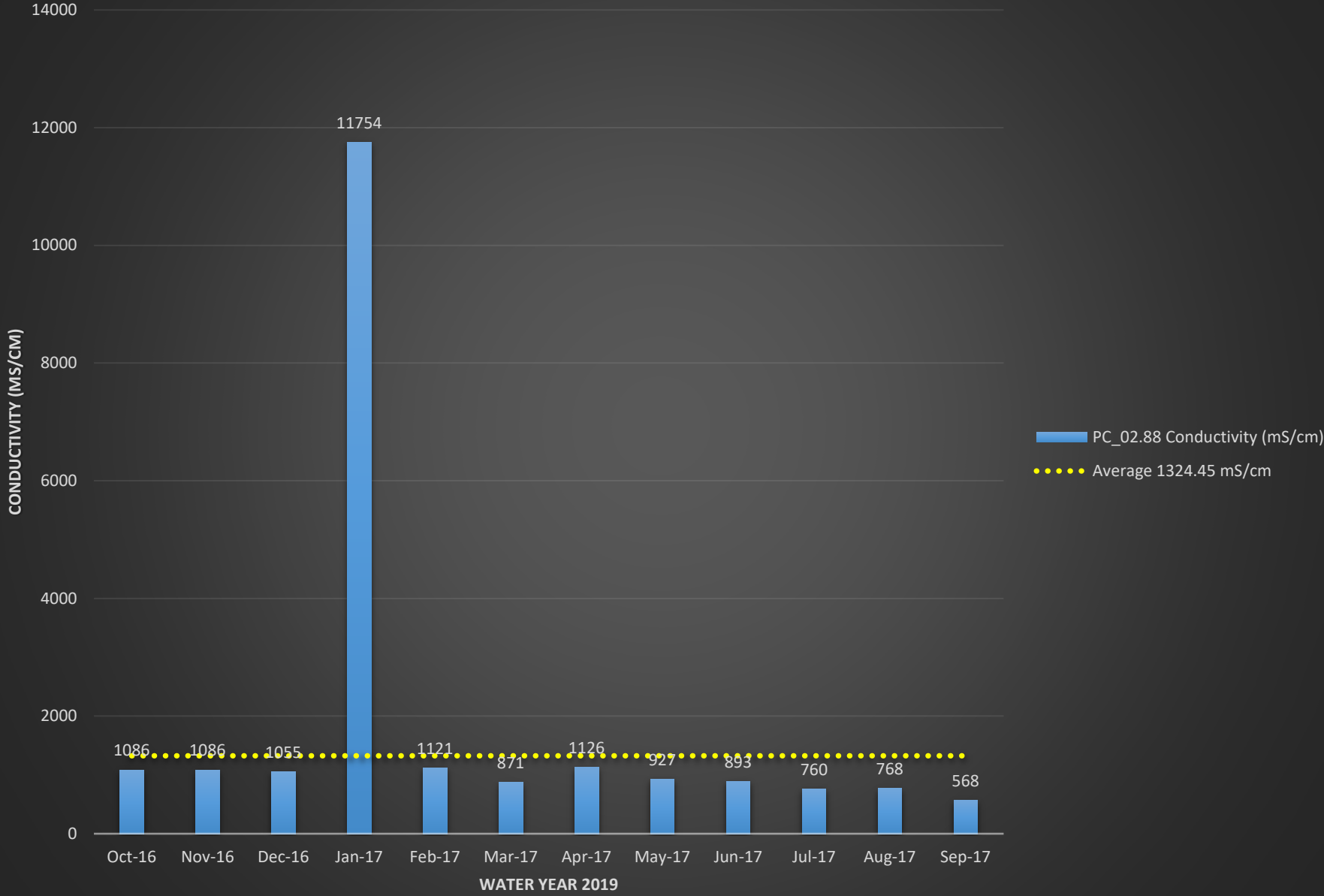
PC_02.88 Dissolved Oxygen (mg/L)



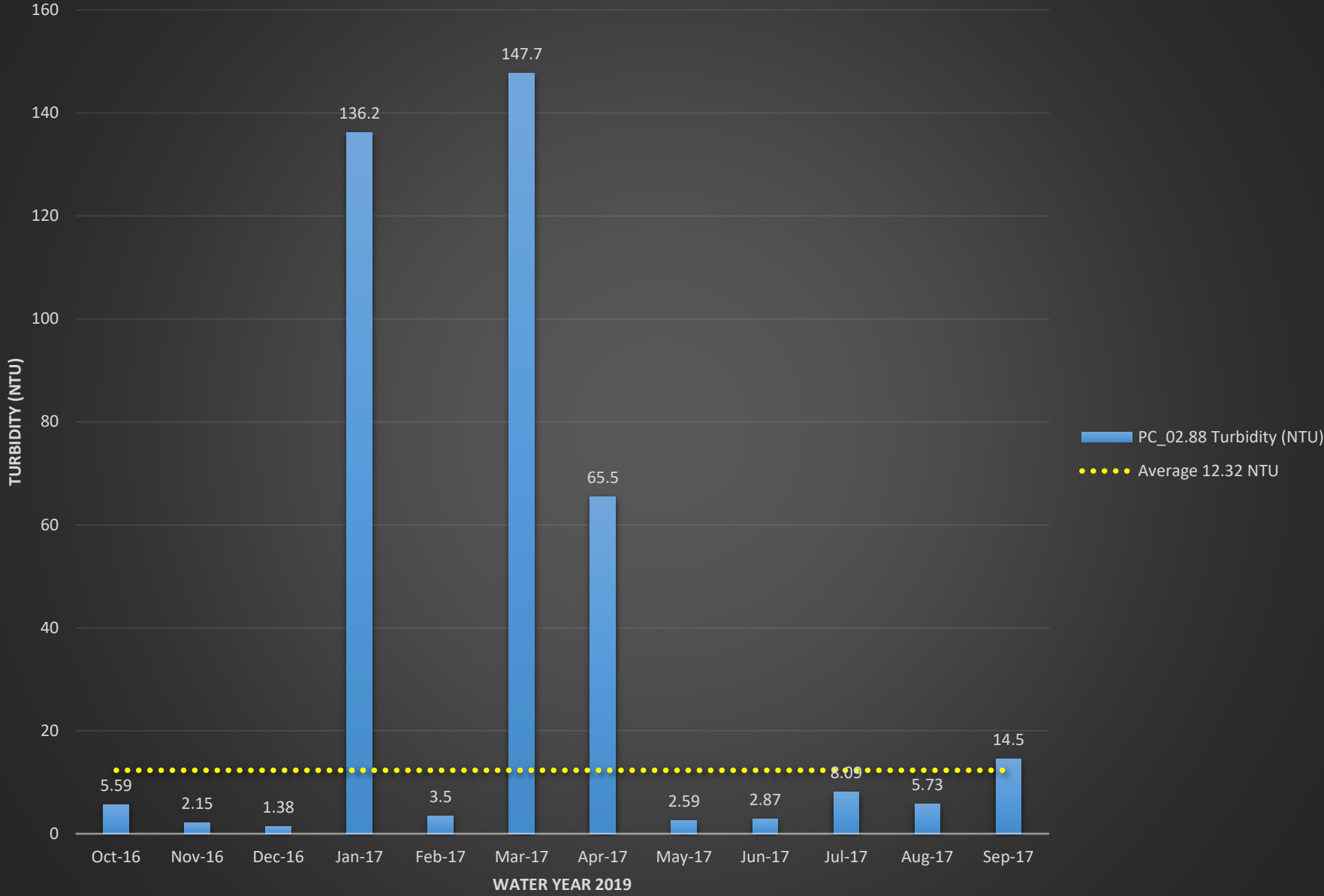
PC_02.88 pH



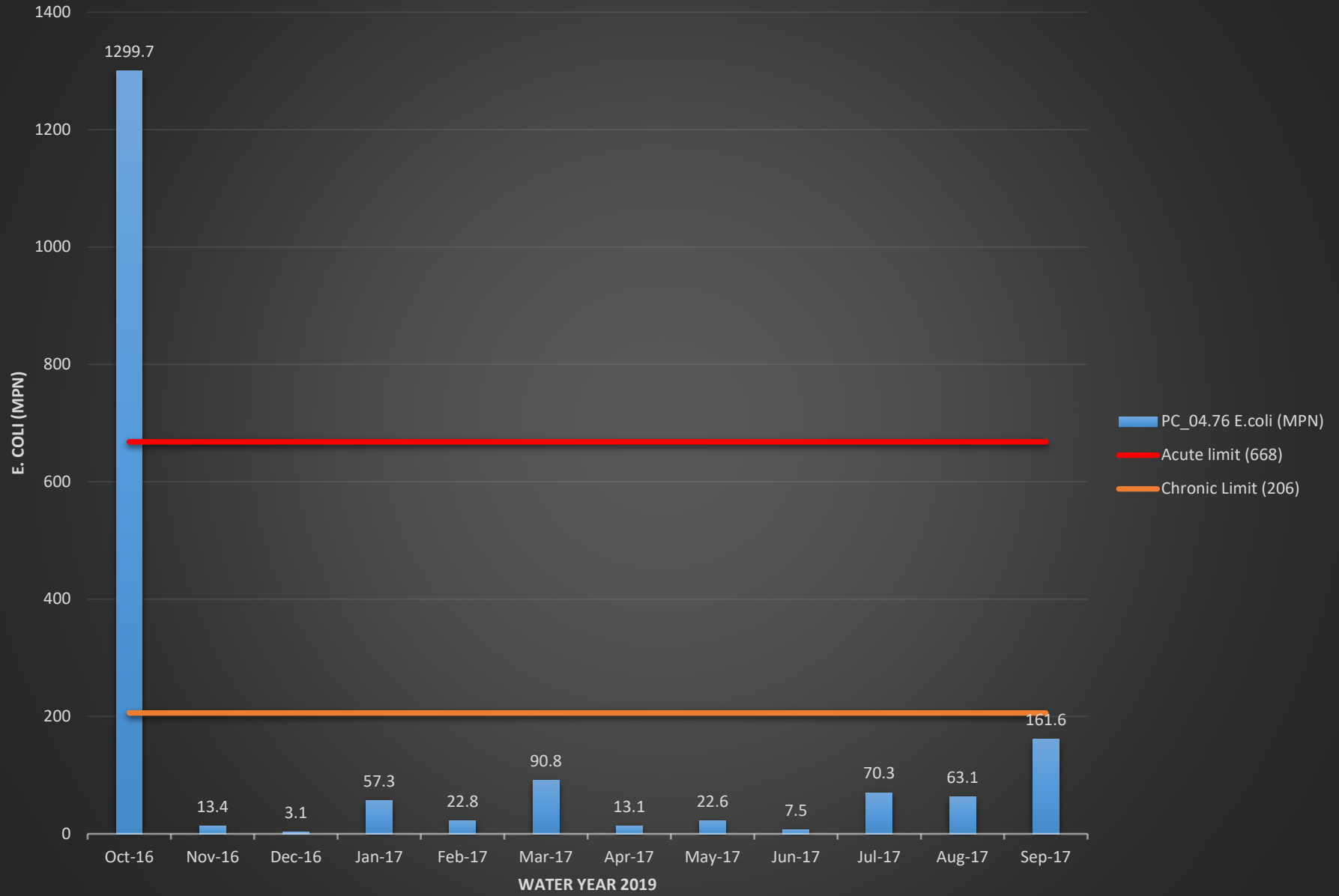
PC_02.88 Conductivity (mS/cm)



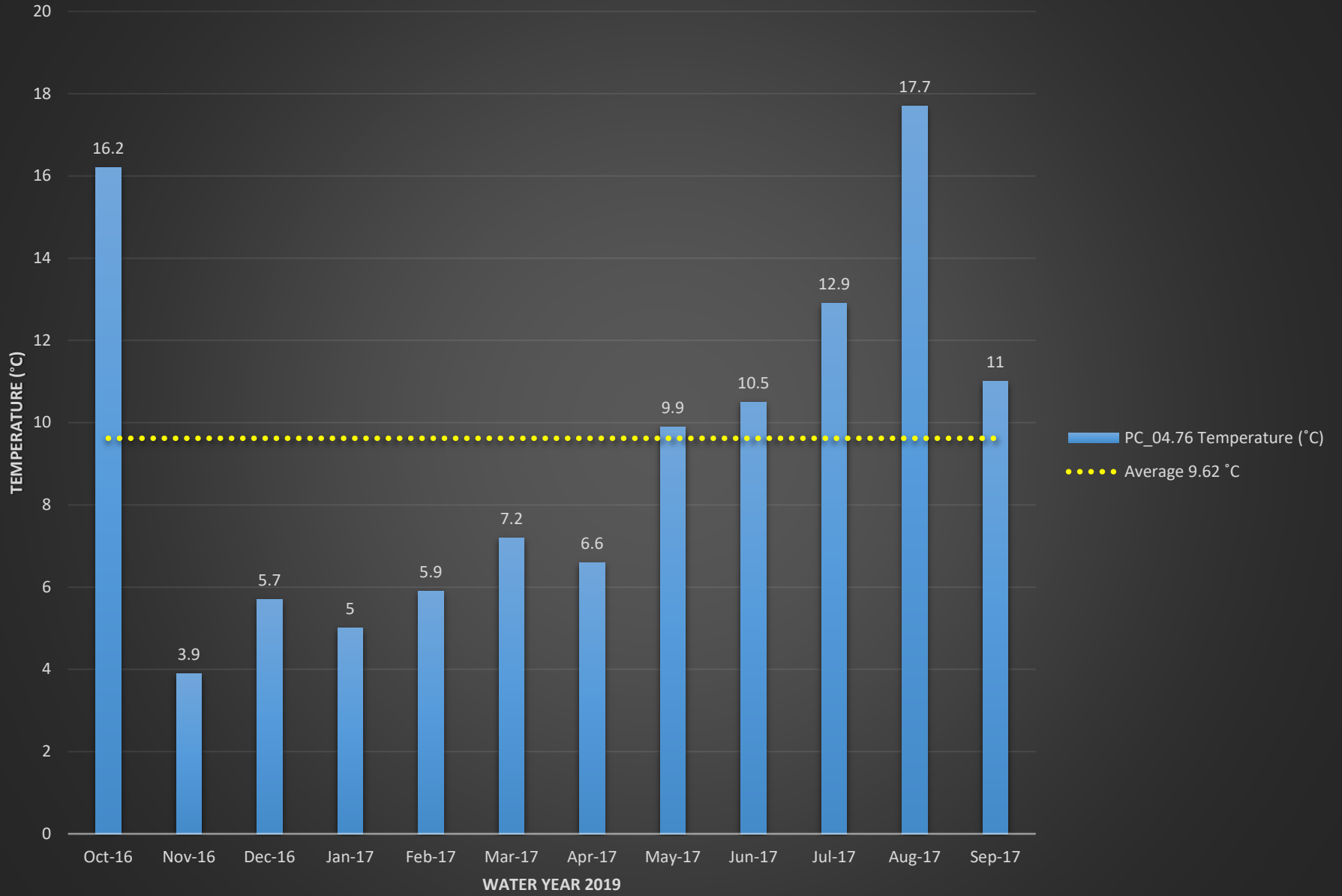
PC_02.88 Turbidity (NTU)



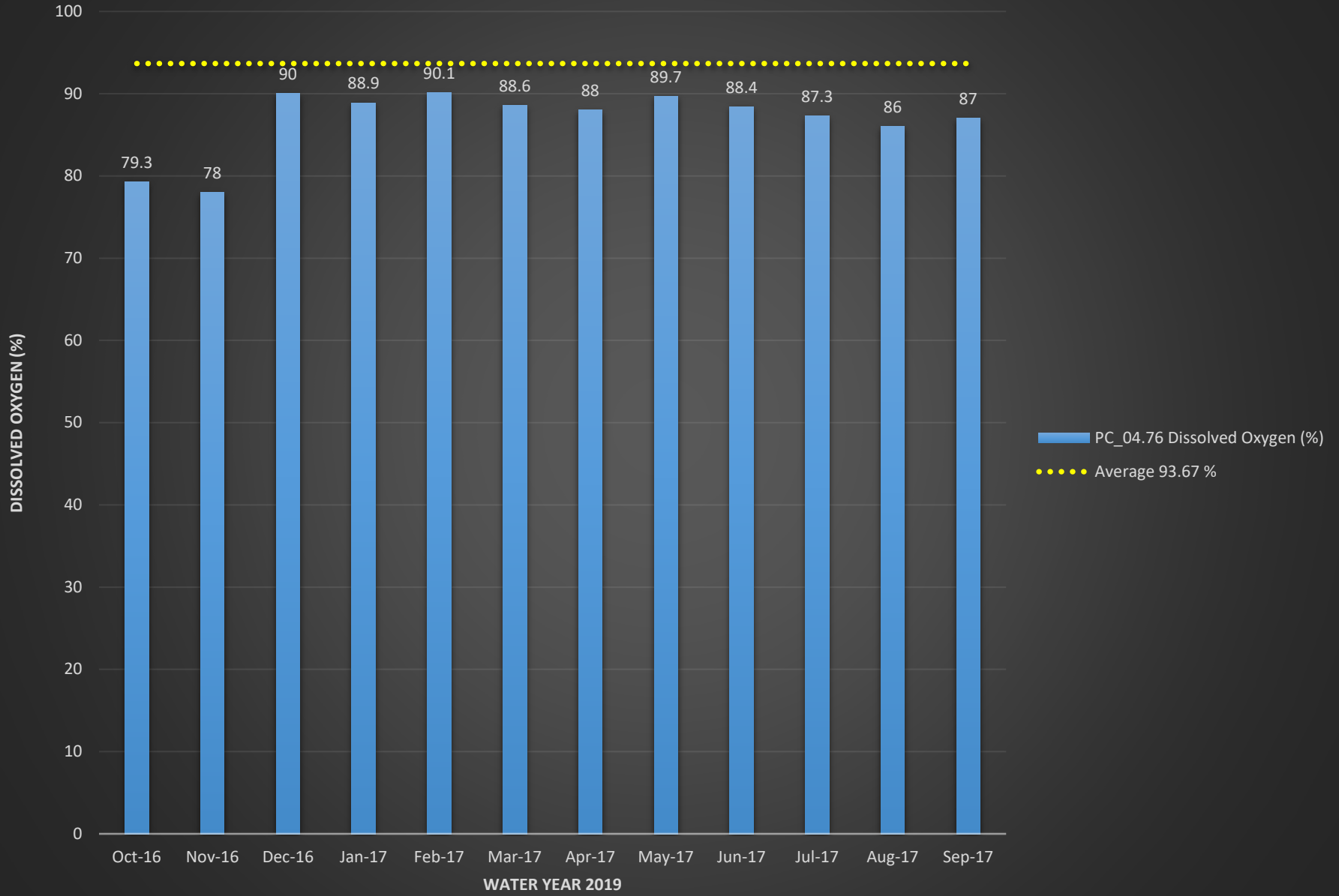
PC_04.76 E.coli (MPN)



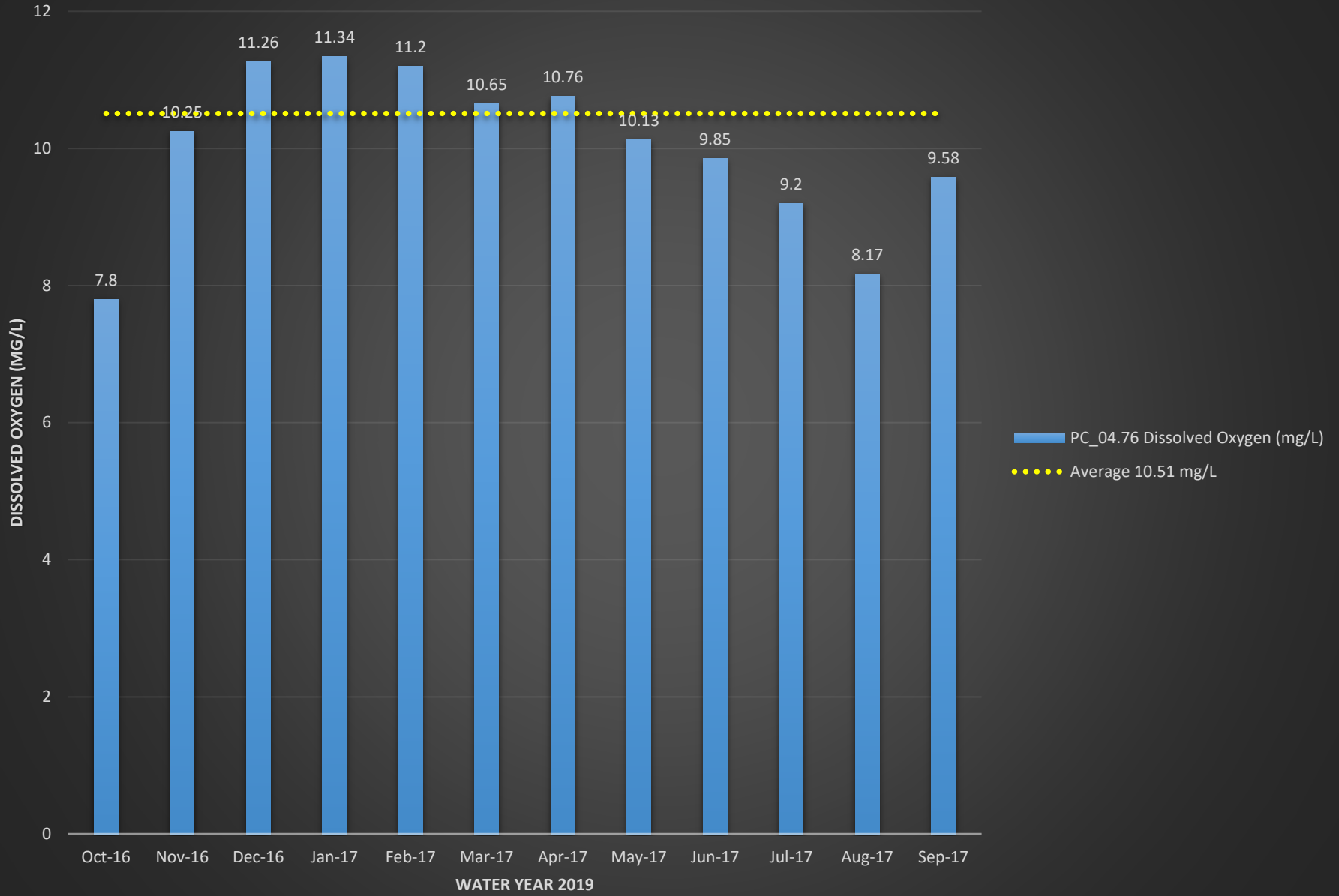
PC_04.76 Temperature (°C)



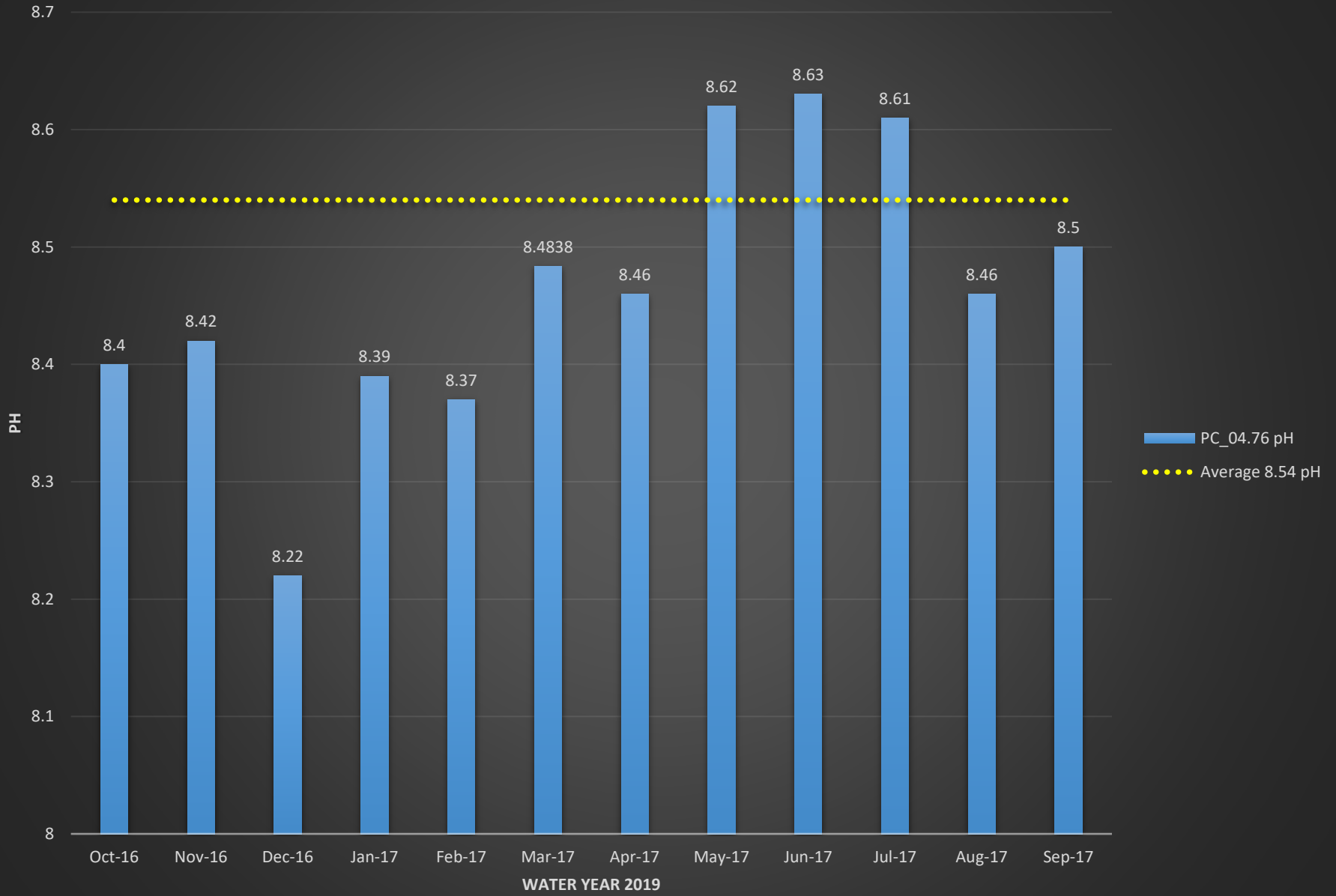
PC_04.76 Dissolved Oxygen (%)



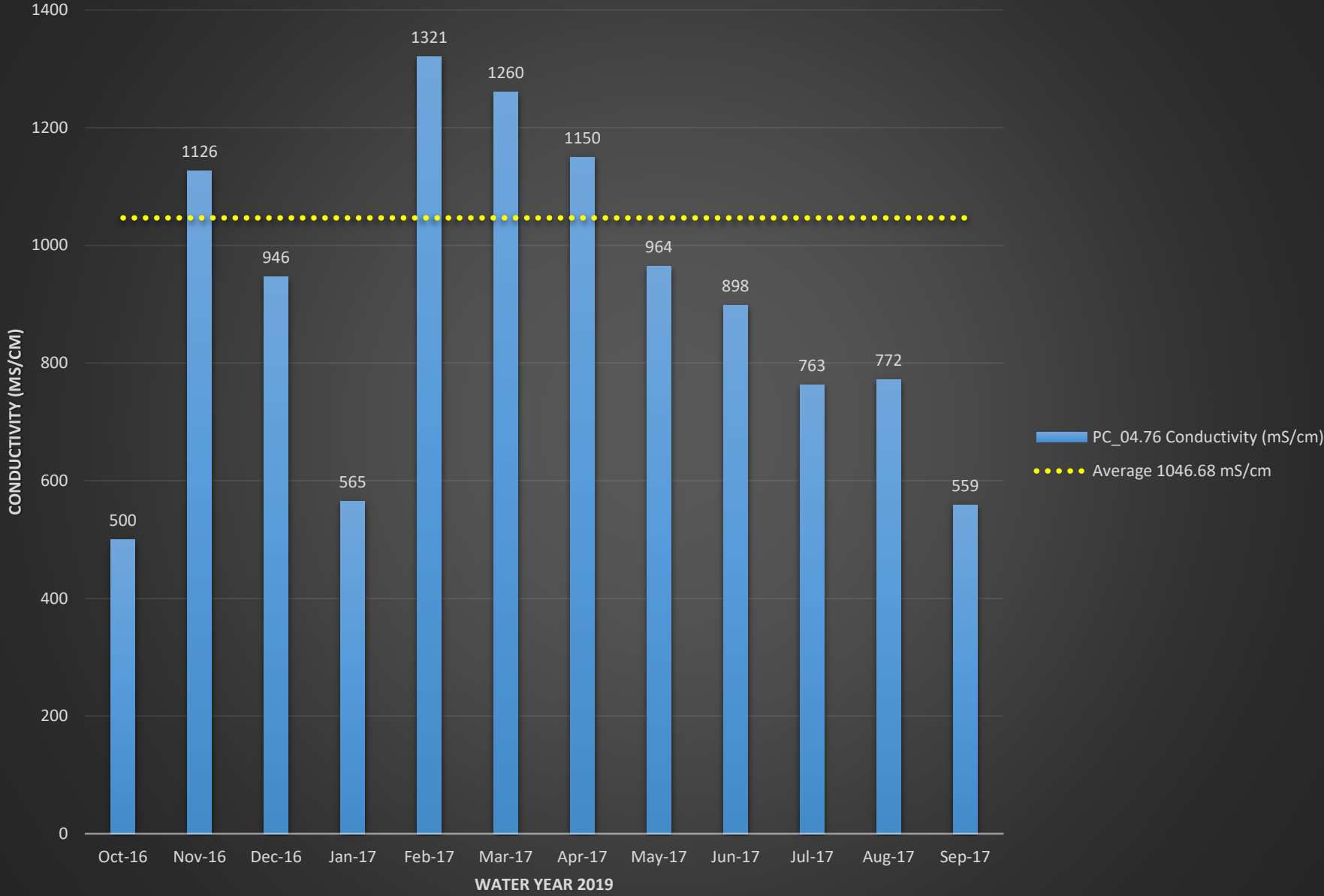
PC_04.76 Dissolved Oxygen (mg/L)



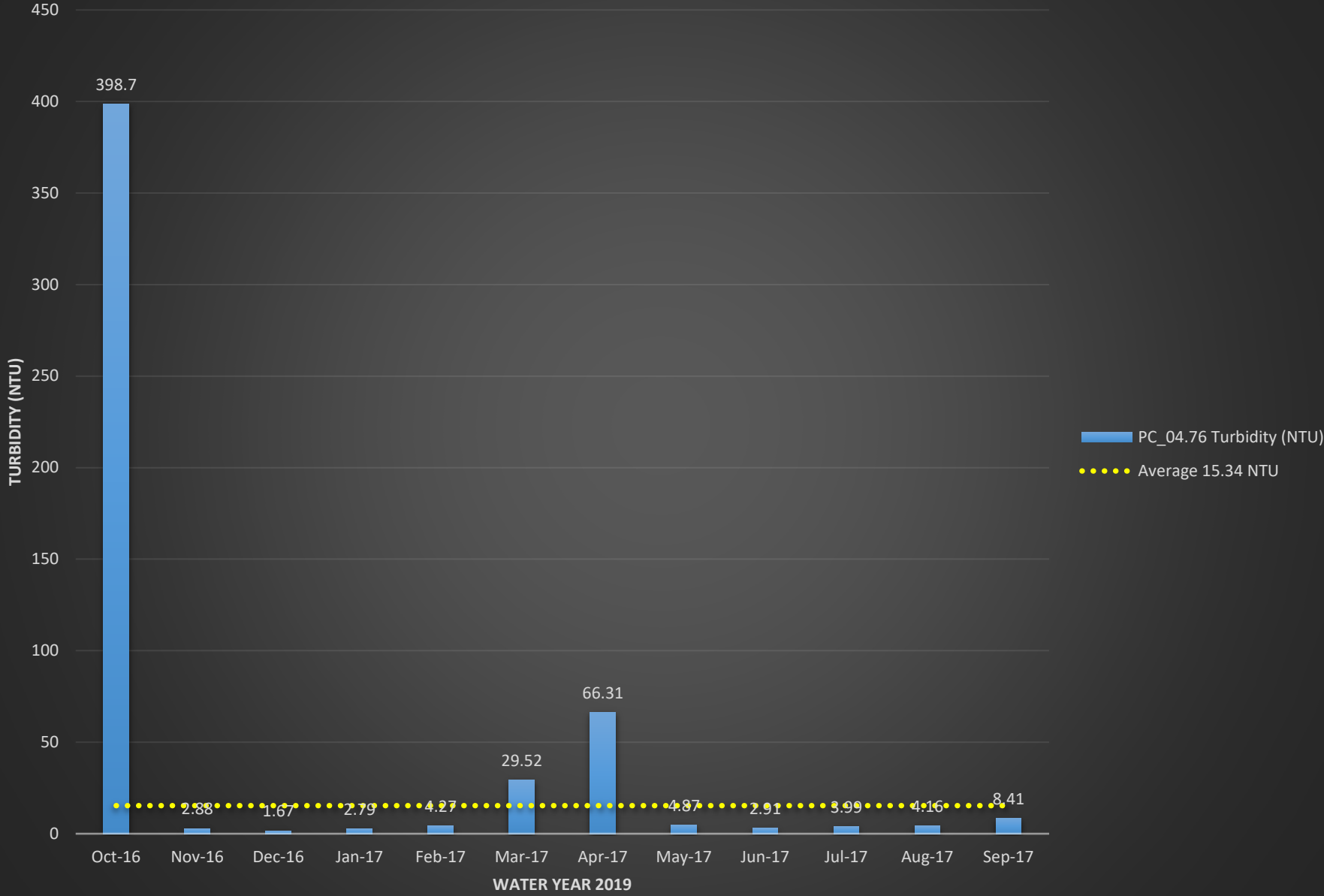
PC_04.76 pH



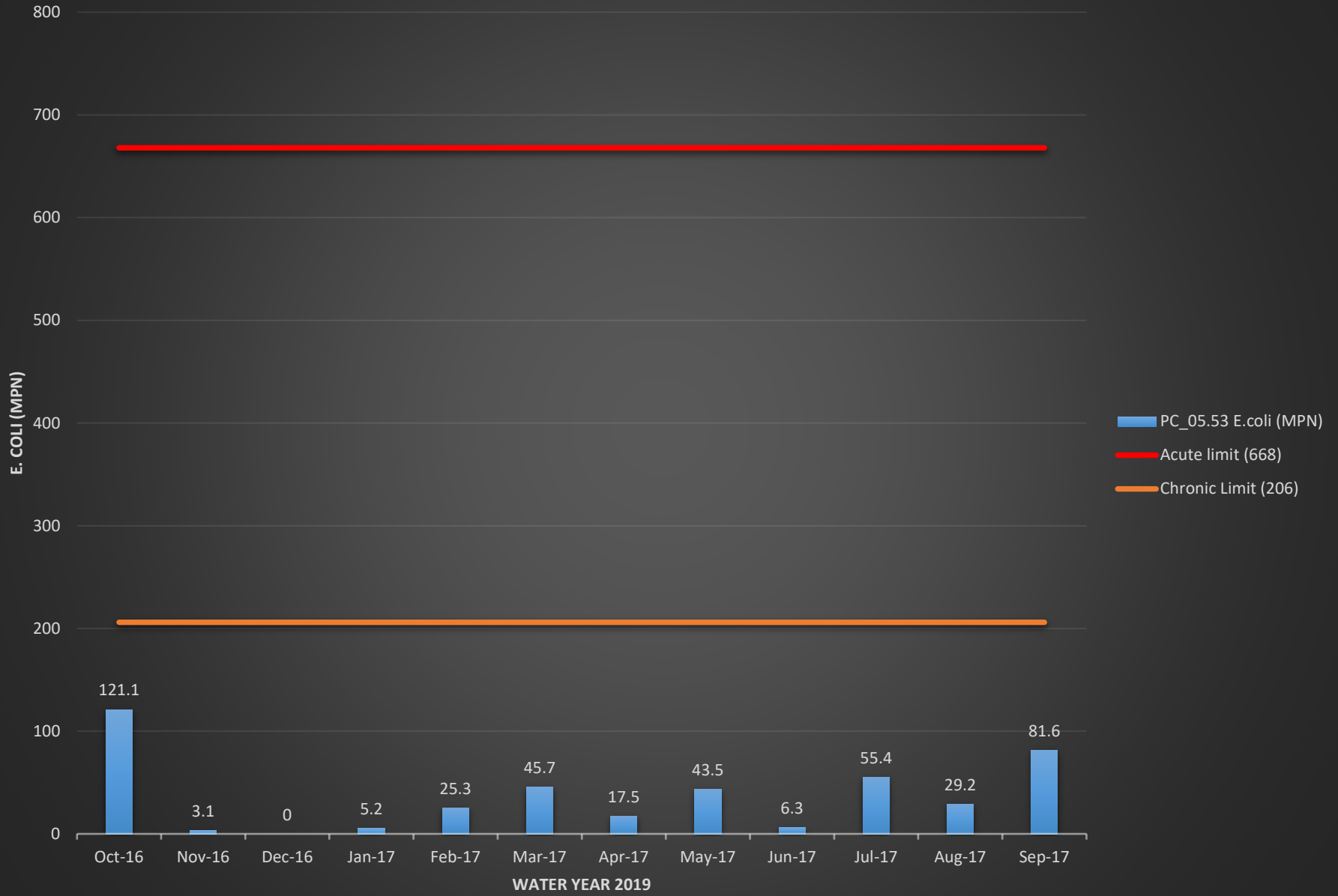
PC_04.76 Conductivity (mS/cm)



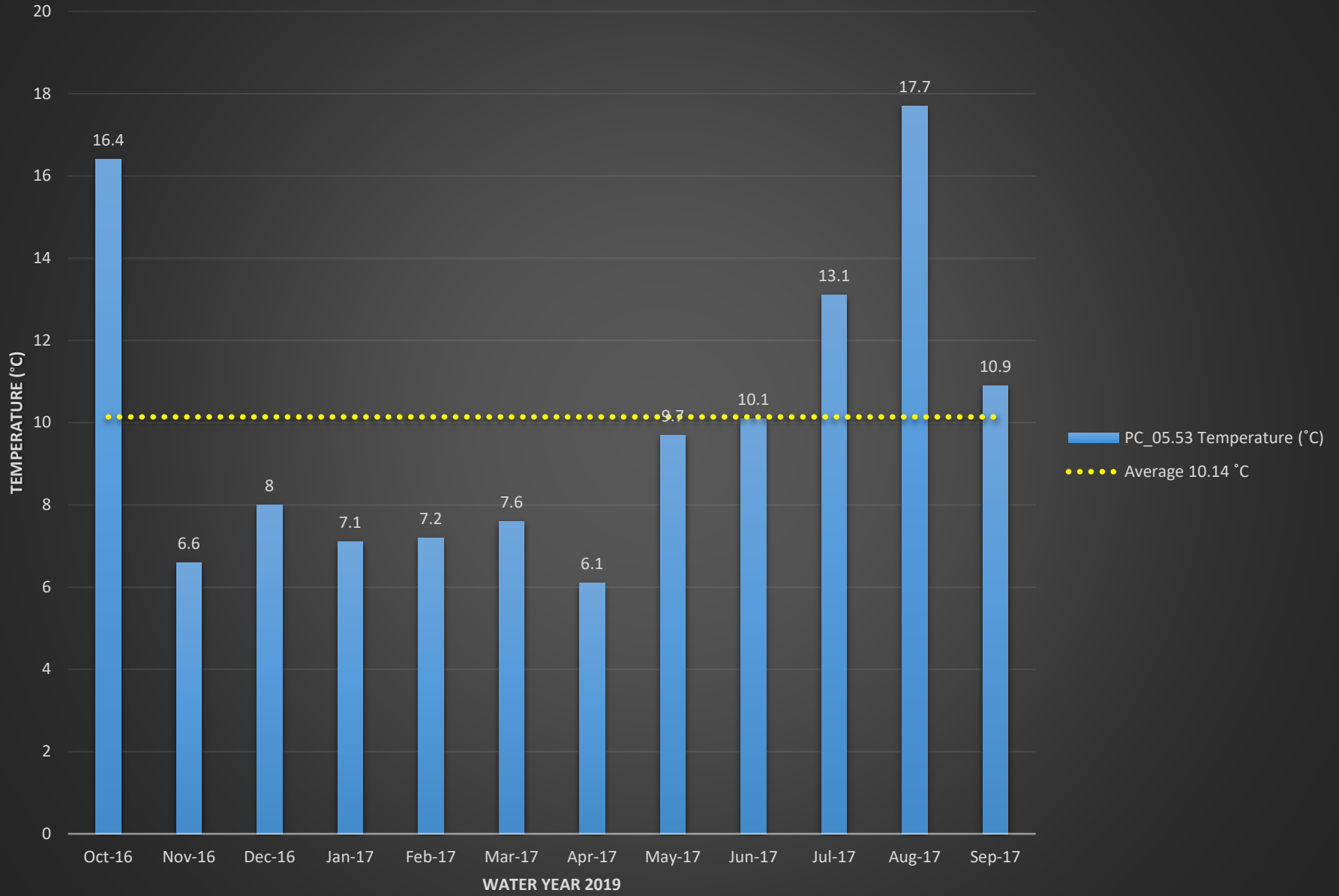
PC_04.76 Turbidity (NTU)



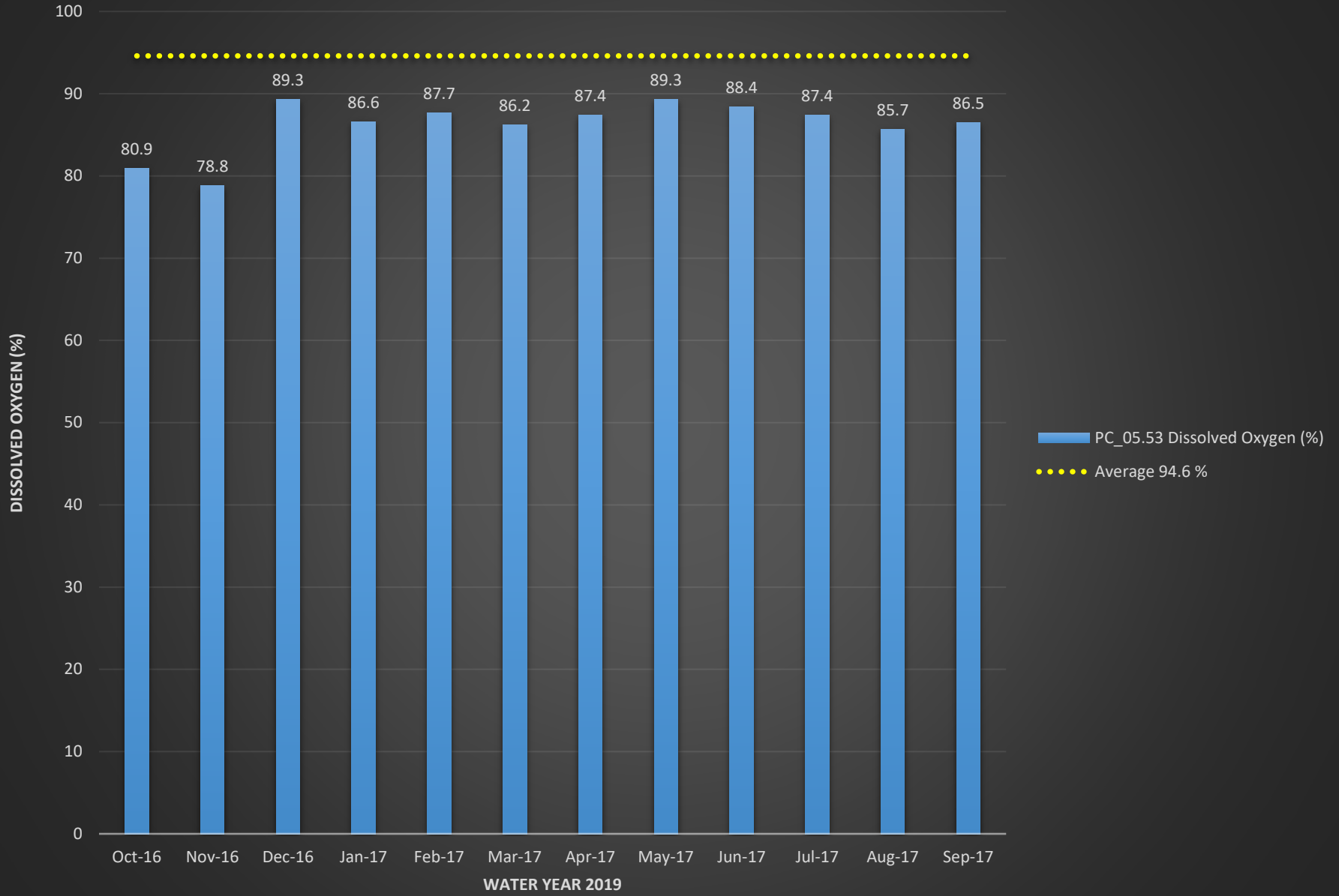
PC_05.53 E.coli (MPN)



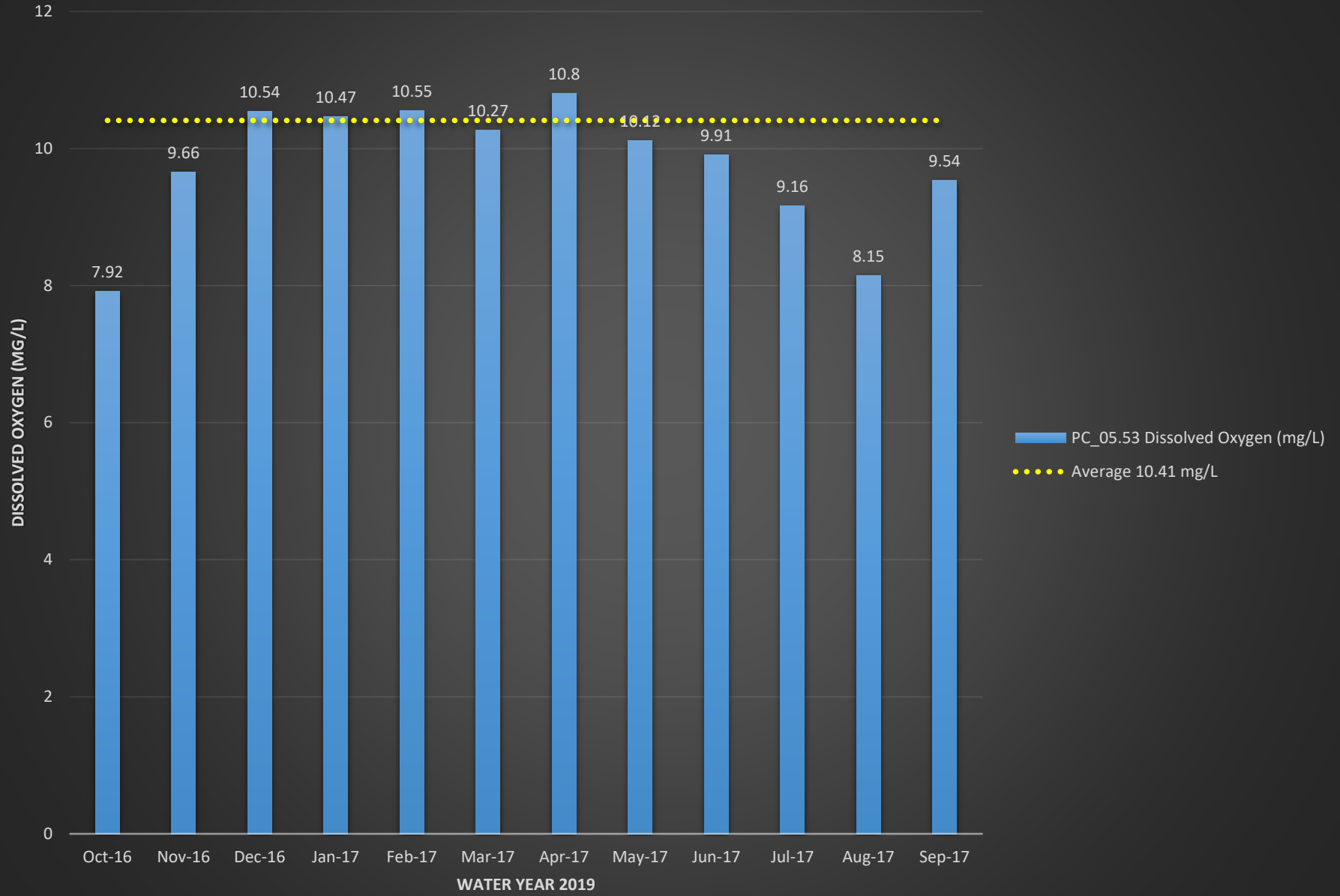
PC_05.53 Temperature (°C)



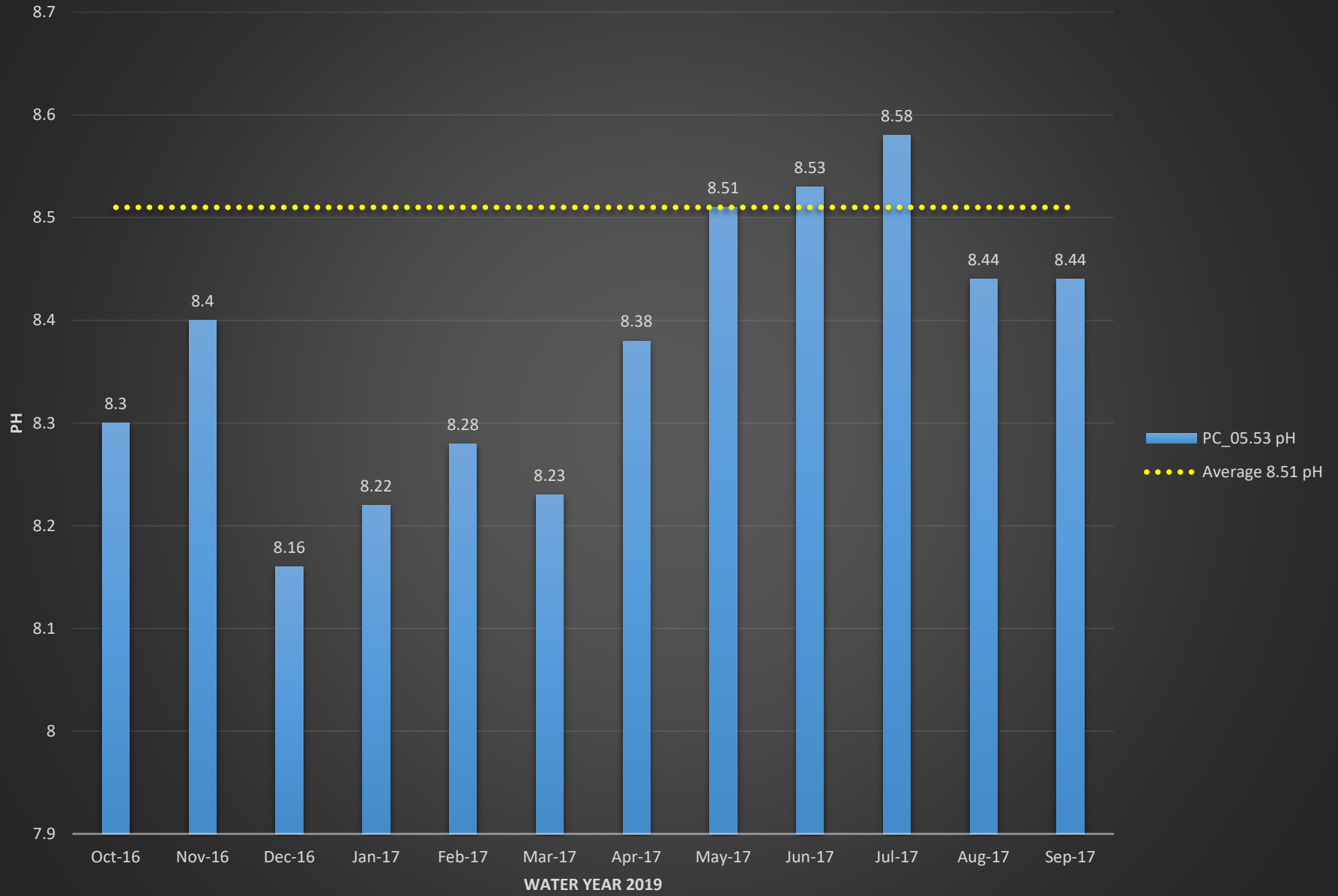
PC_05.53 Dissolved Oxygen (%)



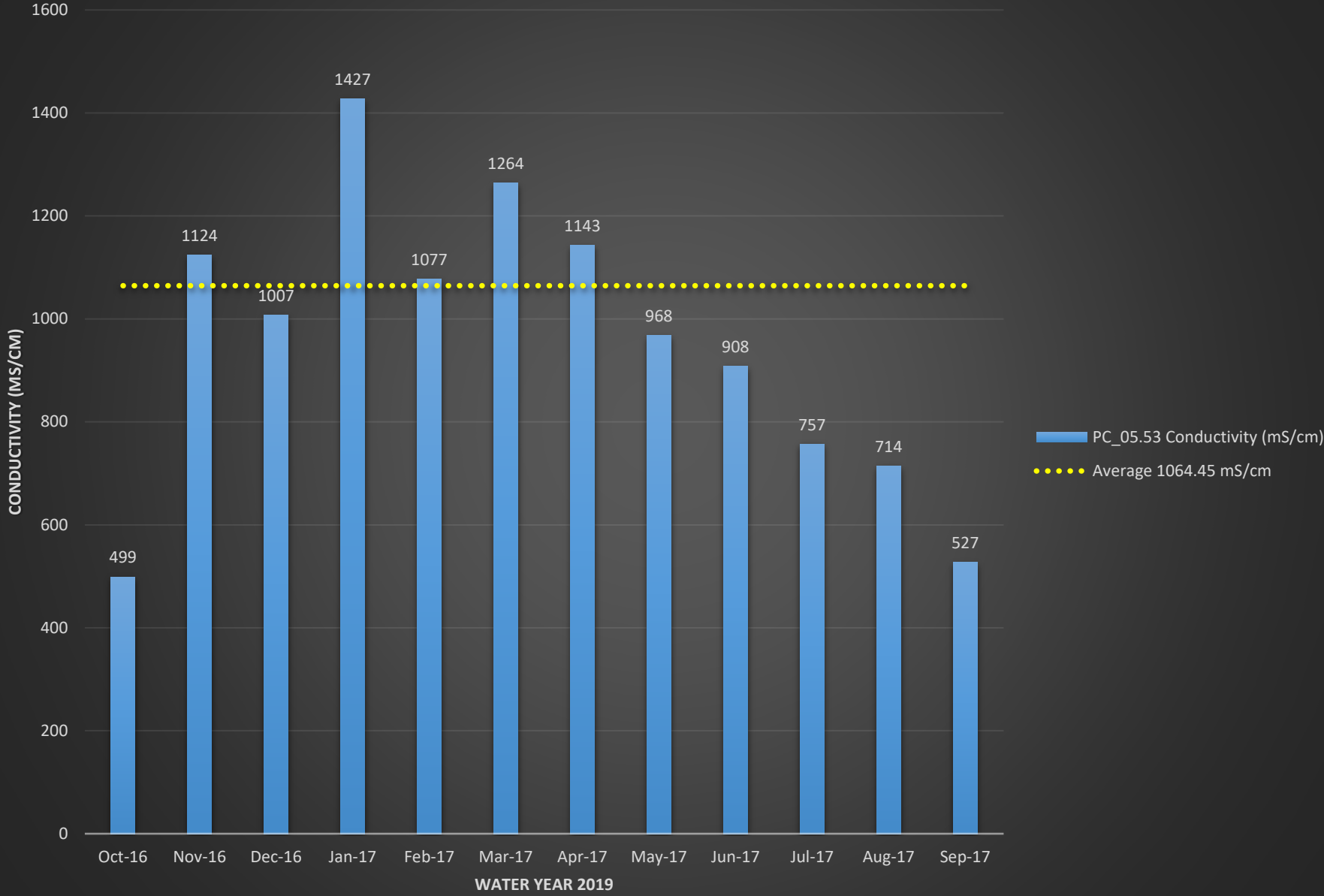
PC_05.53 Dissolved Oxygen (mg/L)



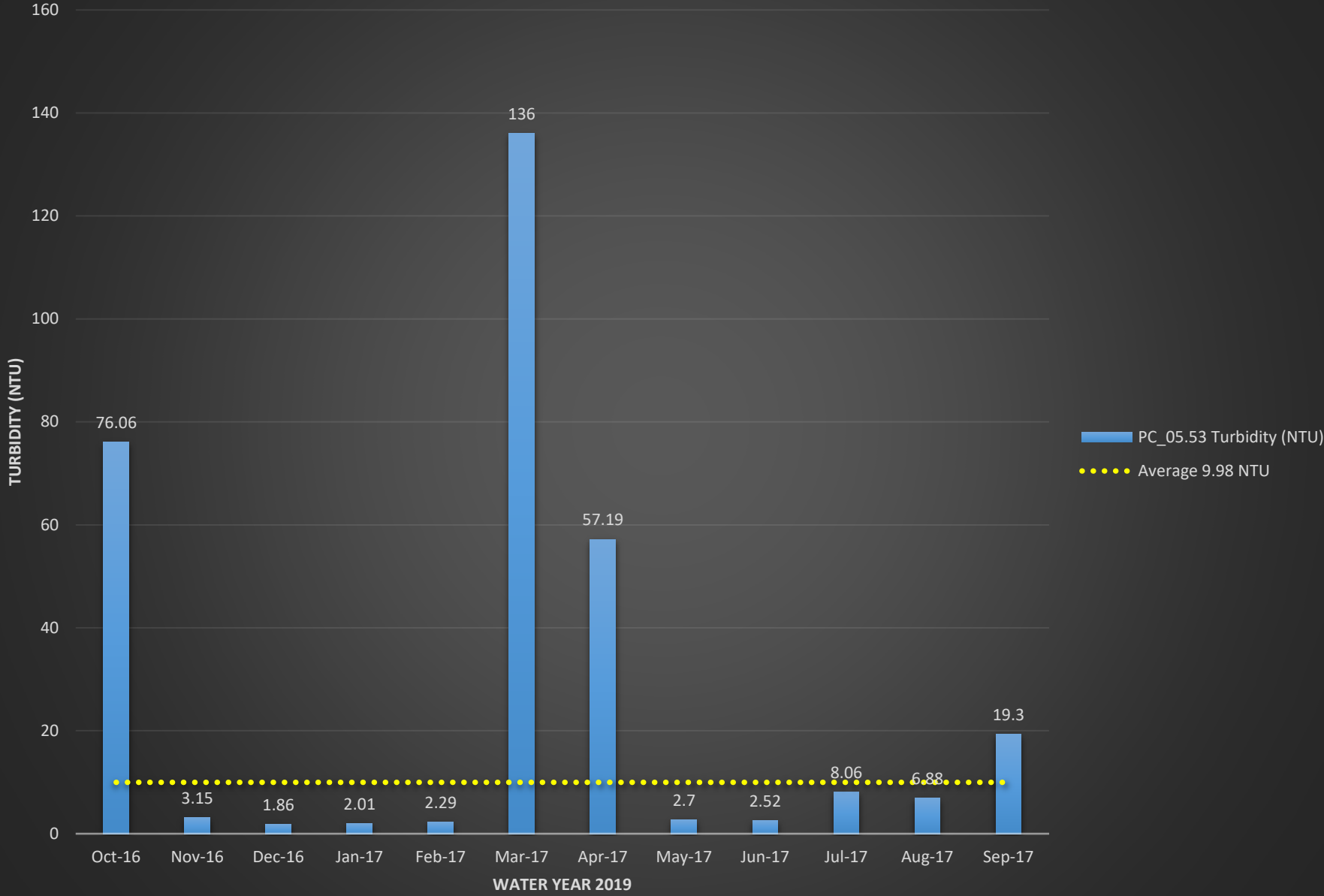
PC_05.53 pH



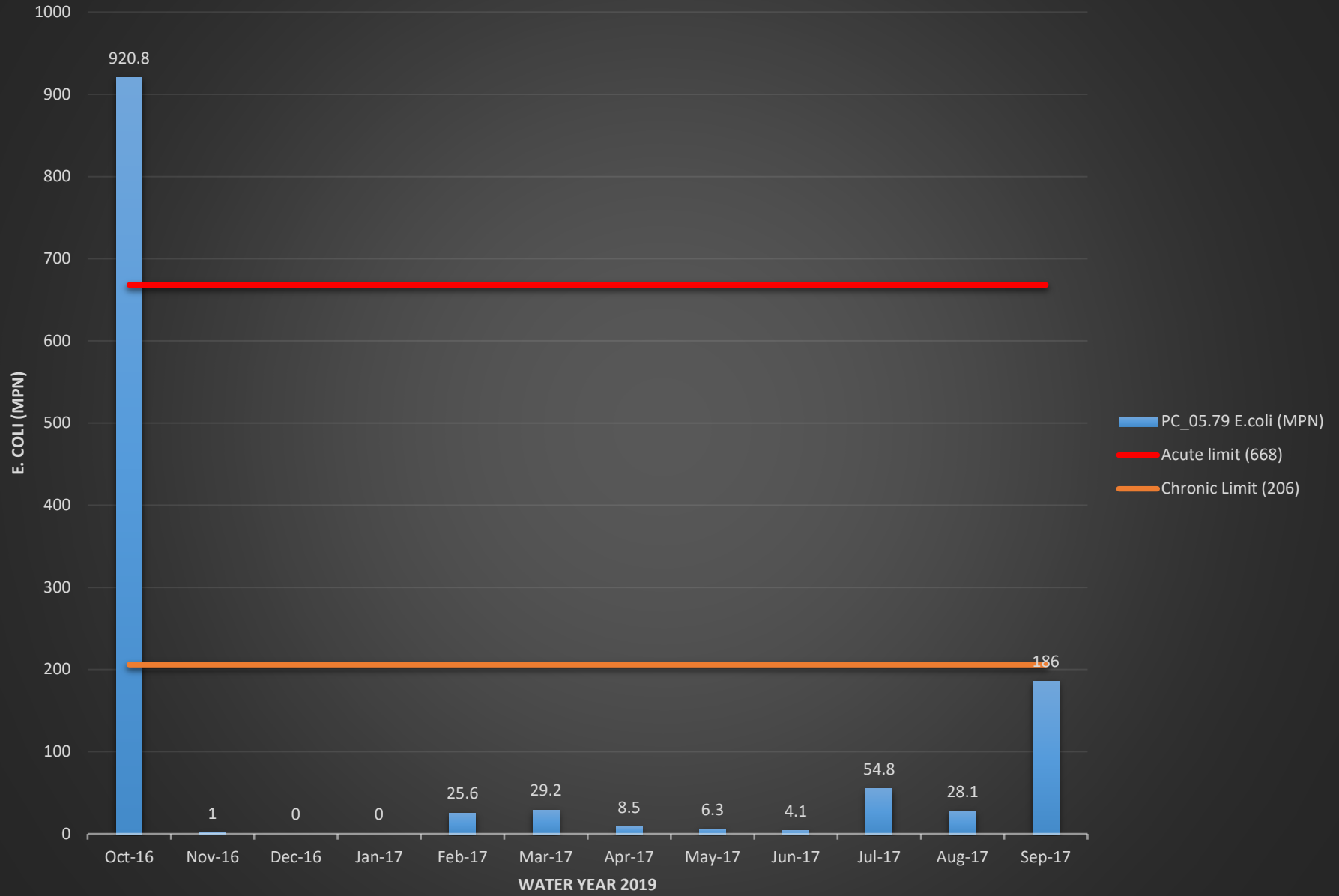
PC_05.53 Conductivity (mS/cm)



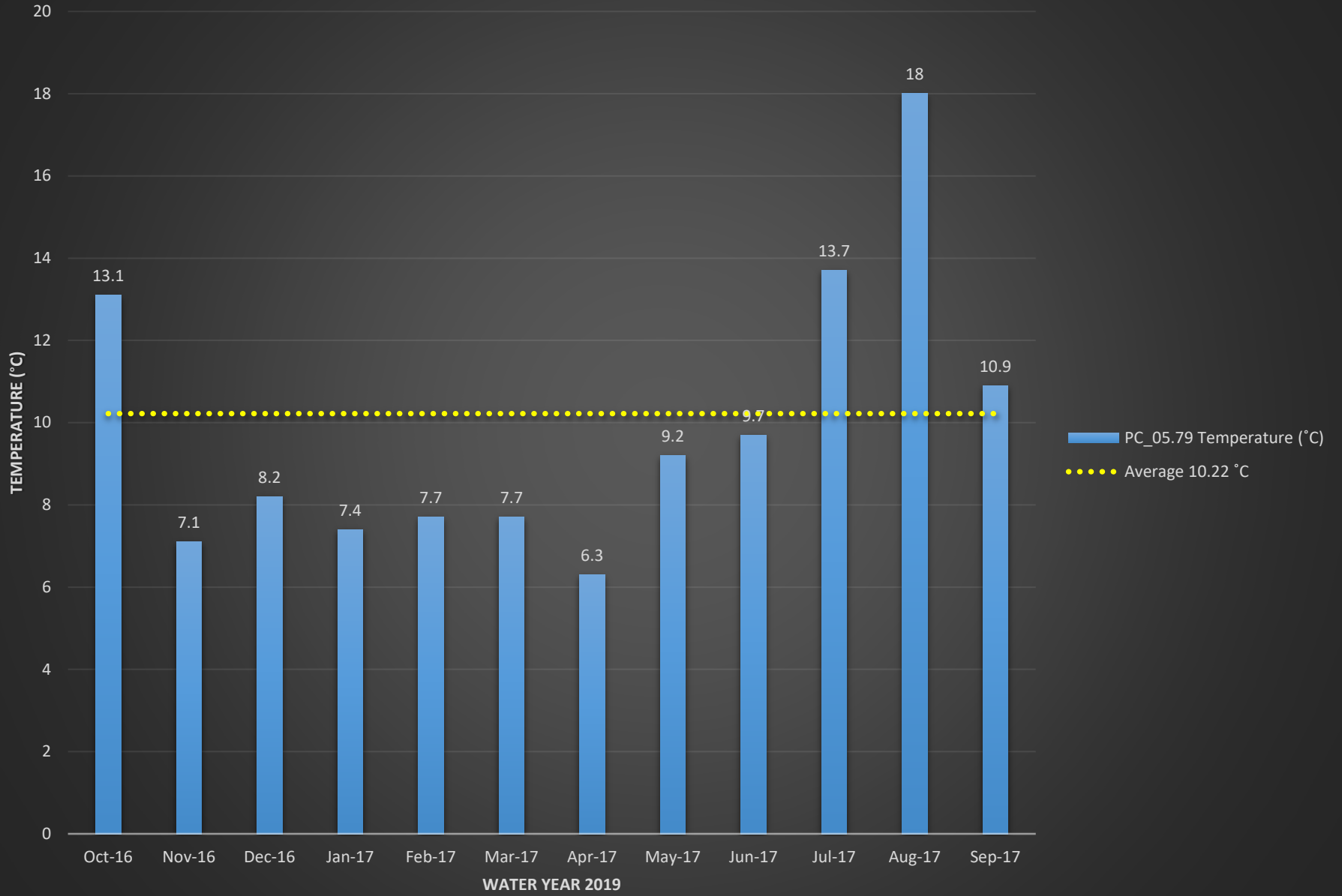
PC_05.53 Turbidity (NTU)



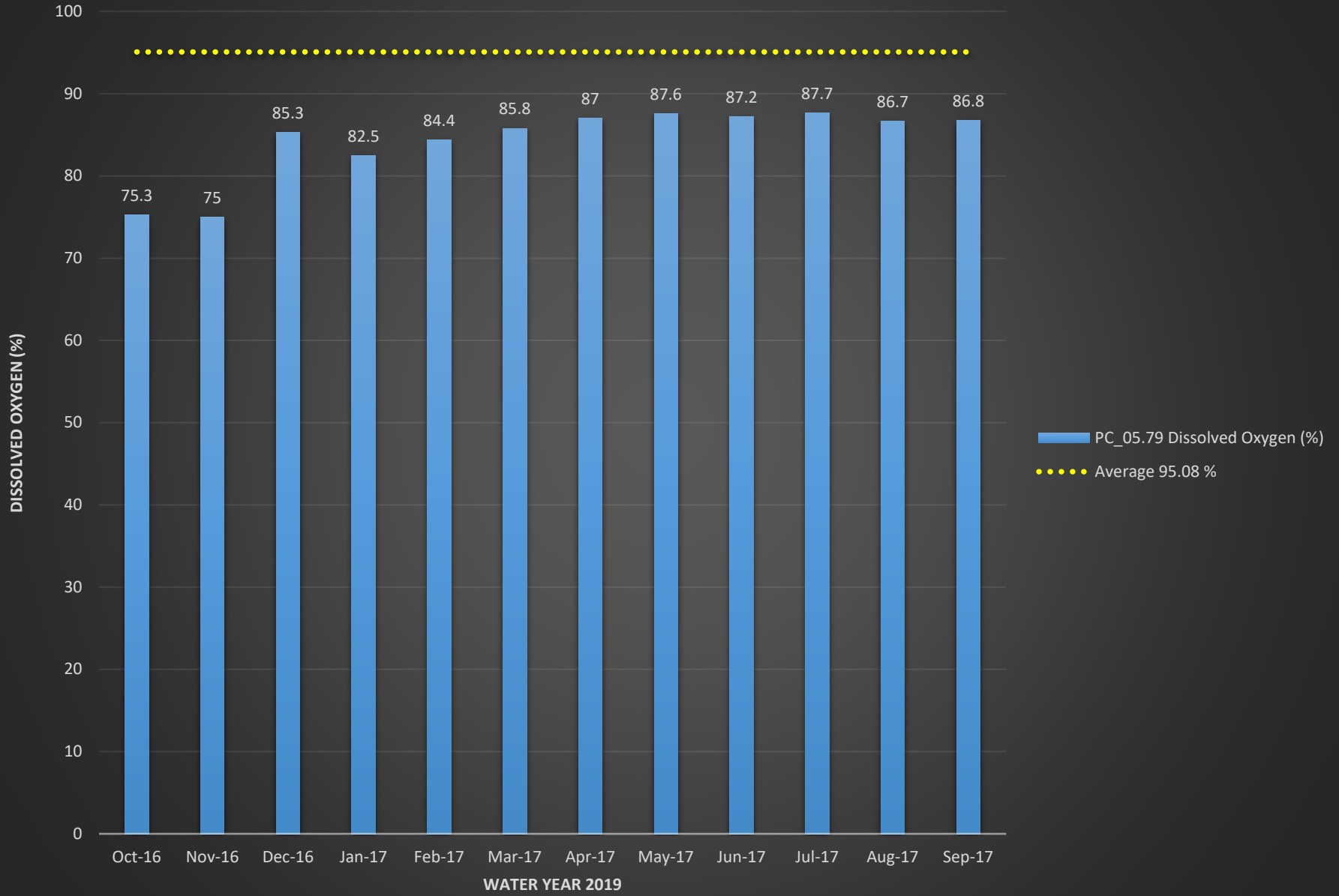
PC_05.79 E.coli (MPN)



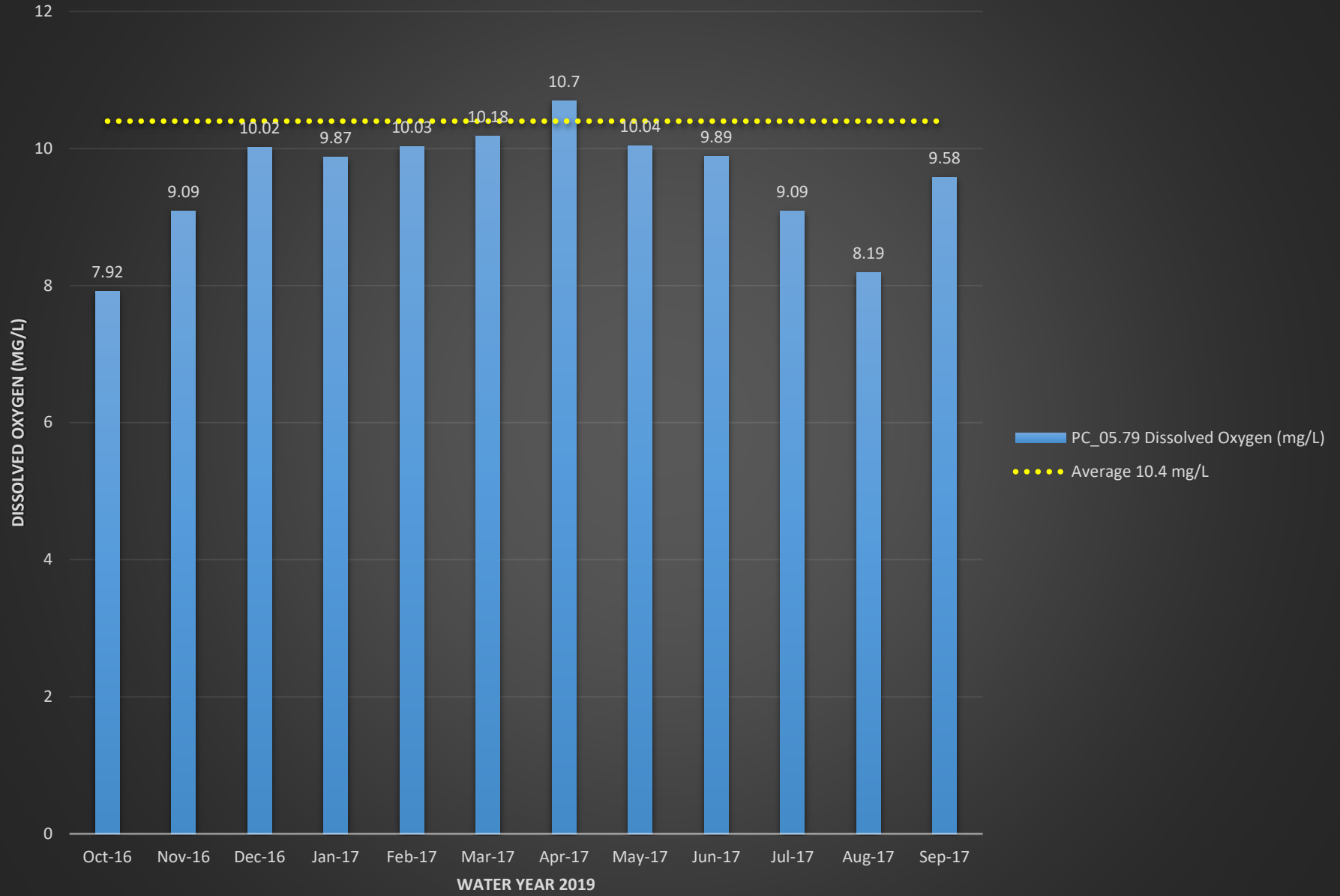
PC_05.79 Temperature (°C)



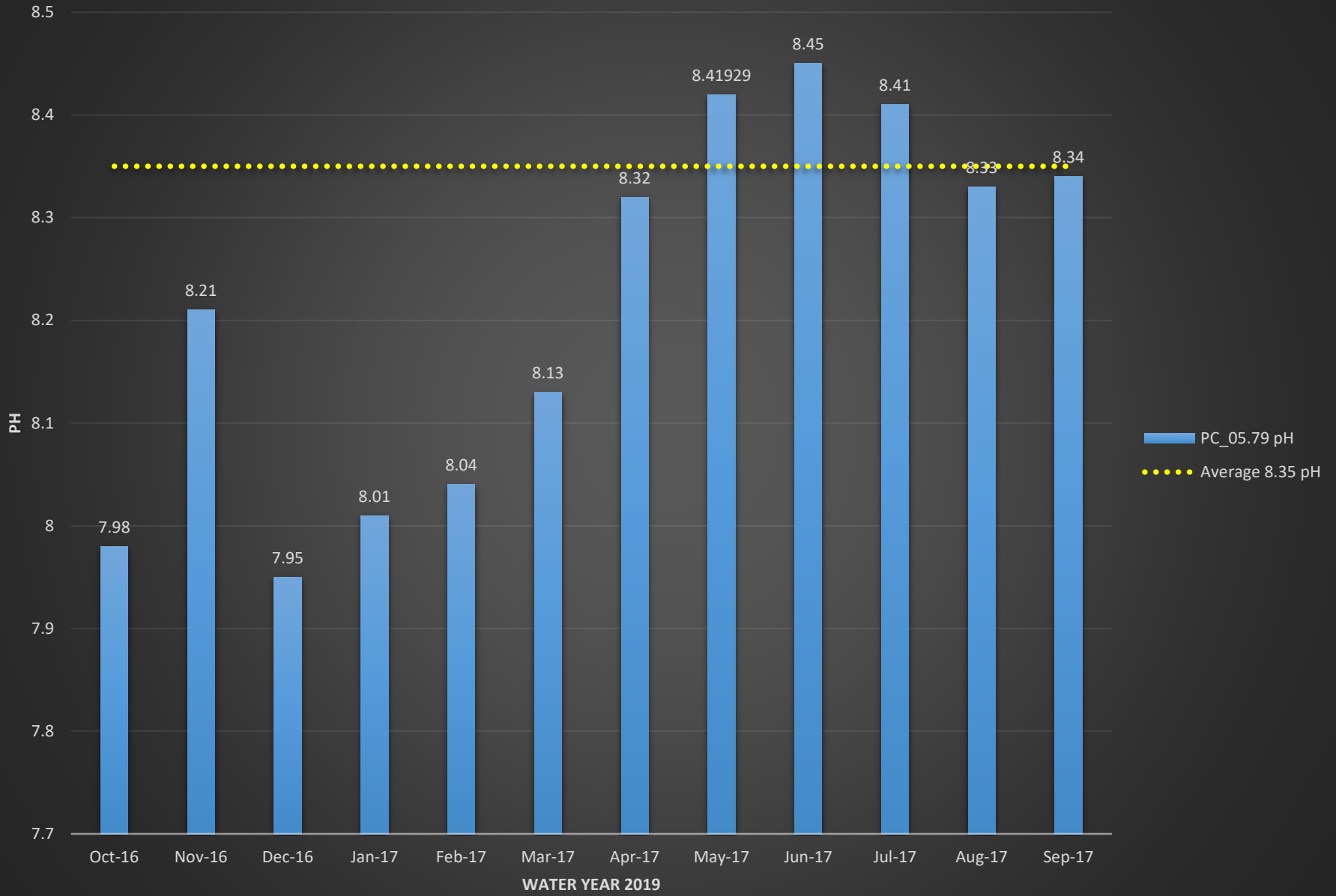
PC_05.79 Dissolved Oxygen (%)



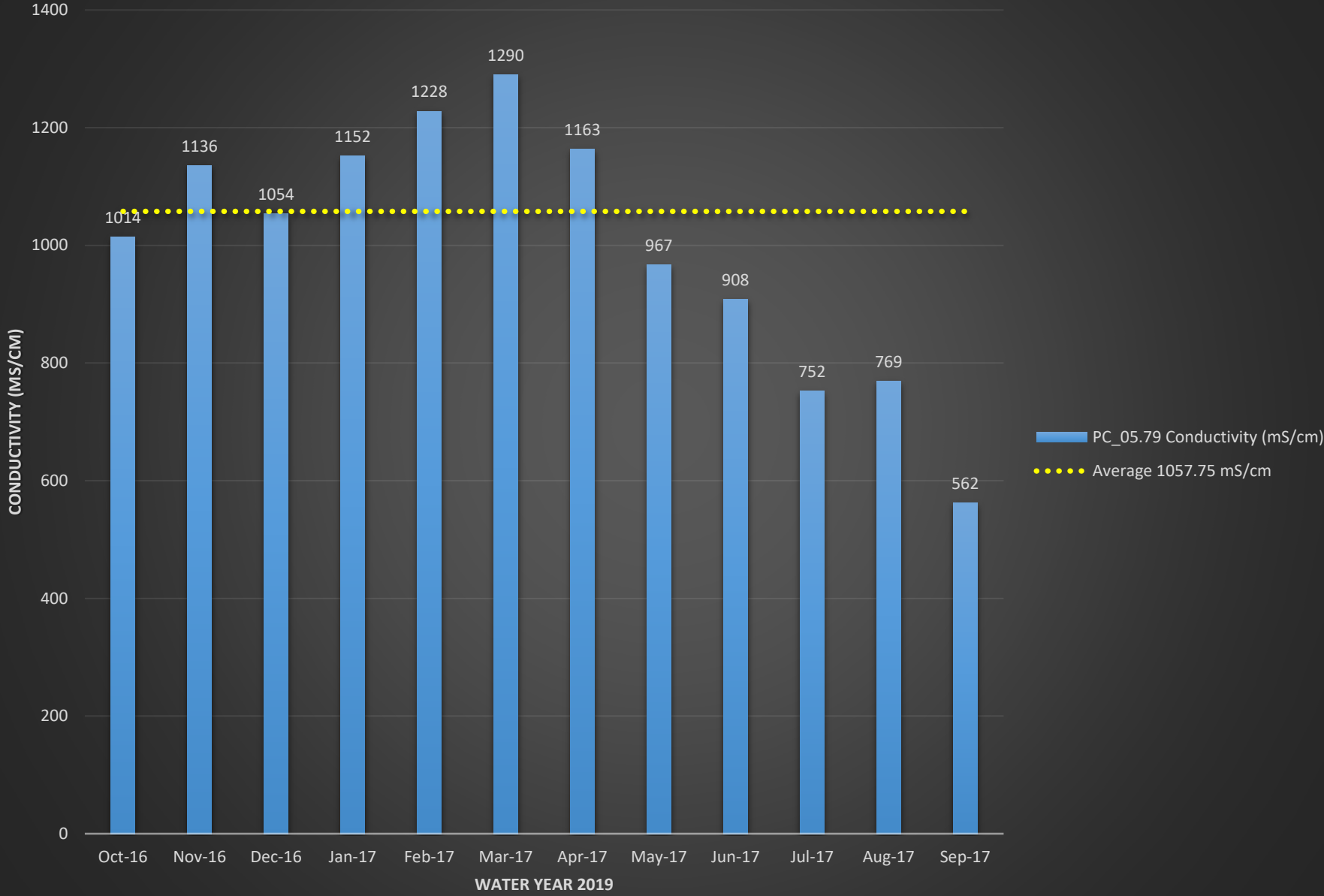
PC_05.79 Dissolved Oxygen (mg/L)



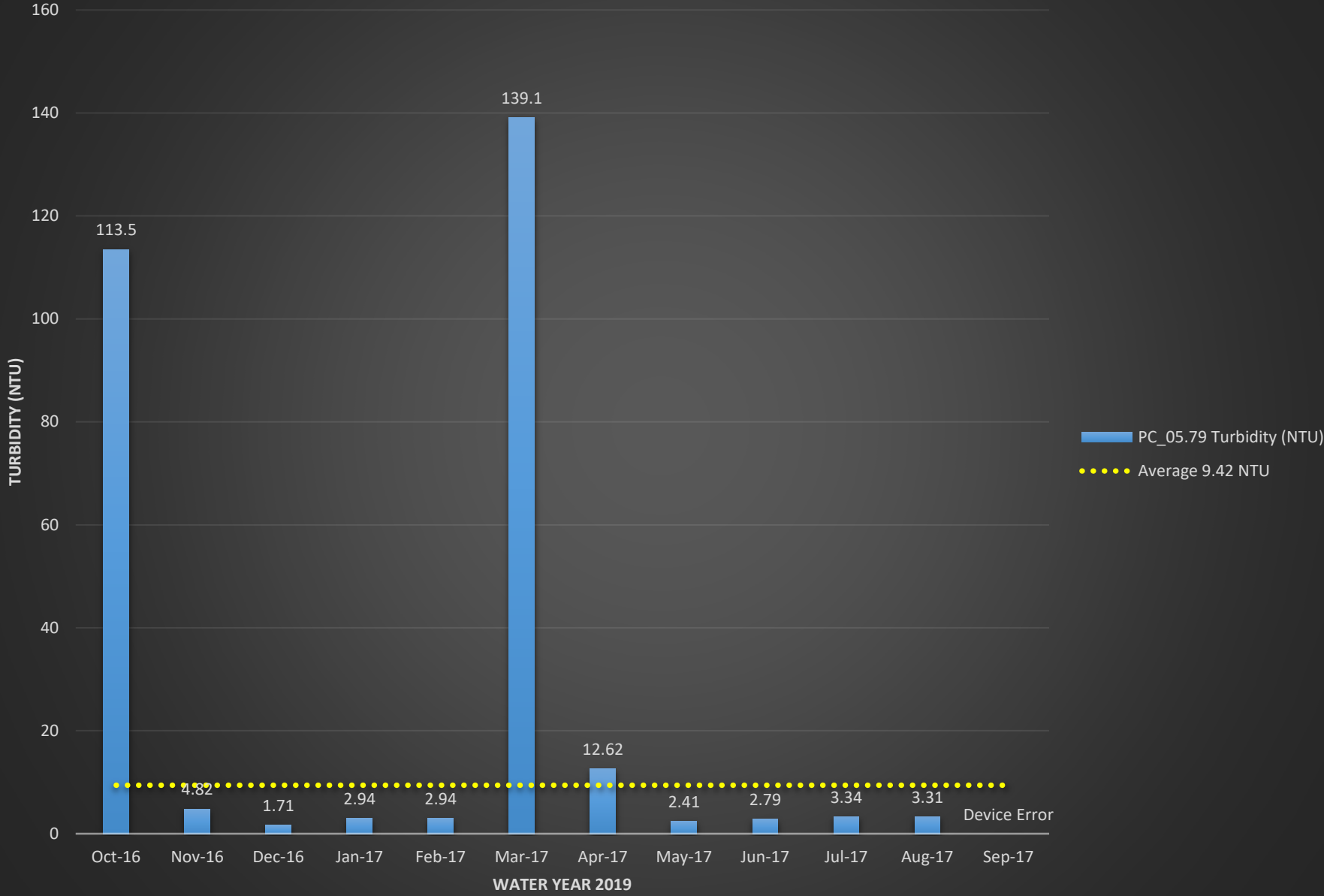
PC_05.79 pH



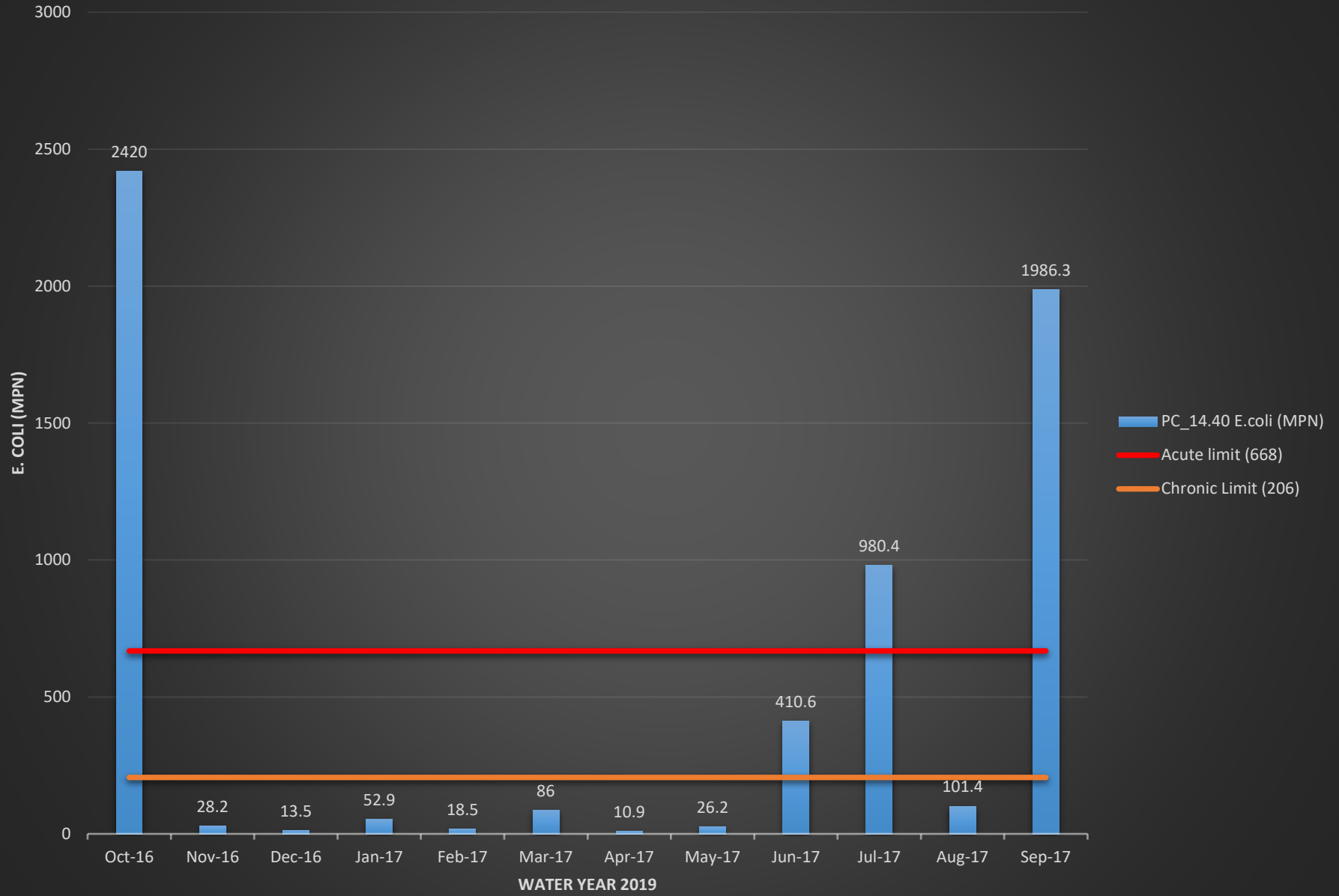
PC_05.79 Conductivity (mS/cm)



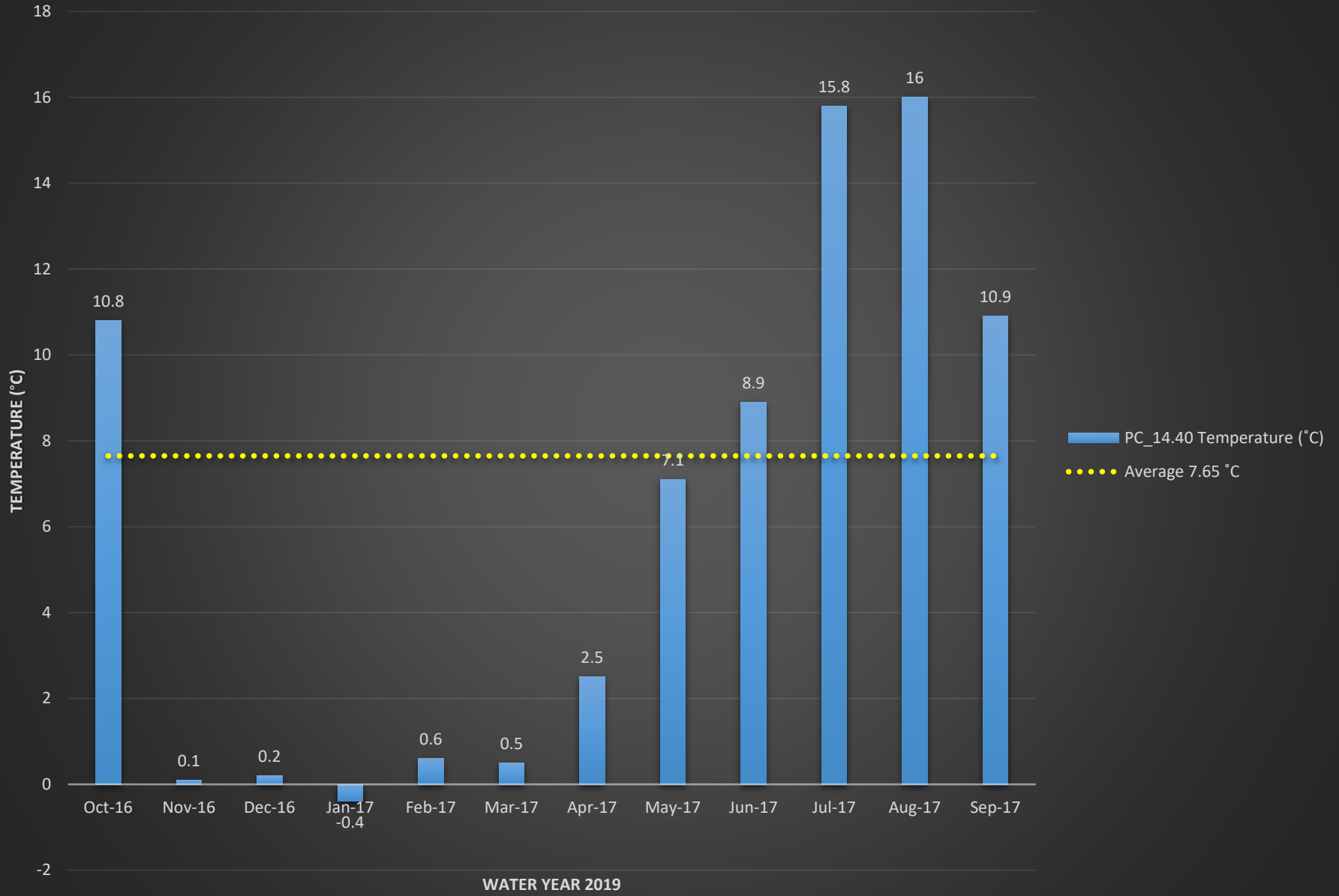
PC_05.79 Turbidity (NTU)



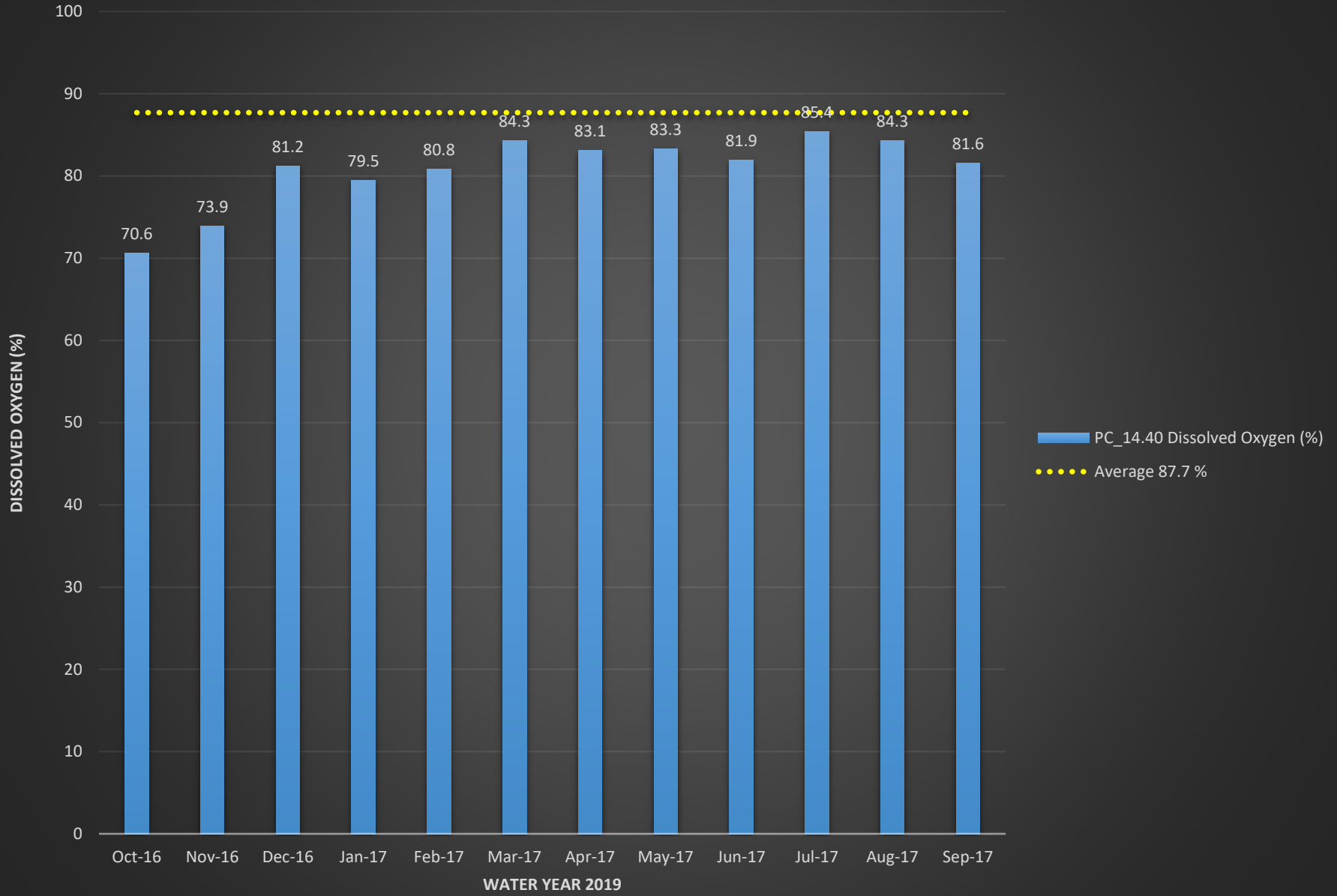
PC_14.40 E.coli (MPN)



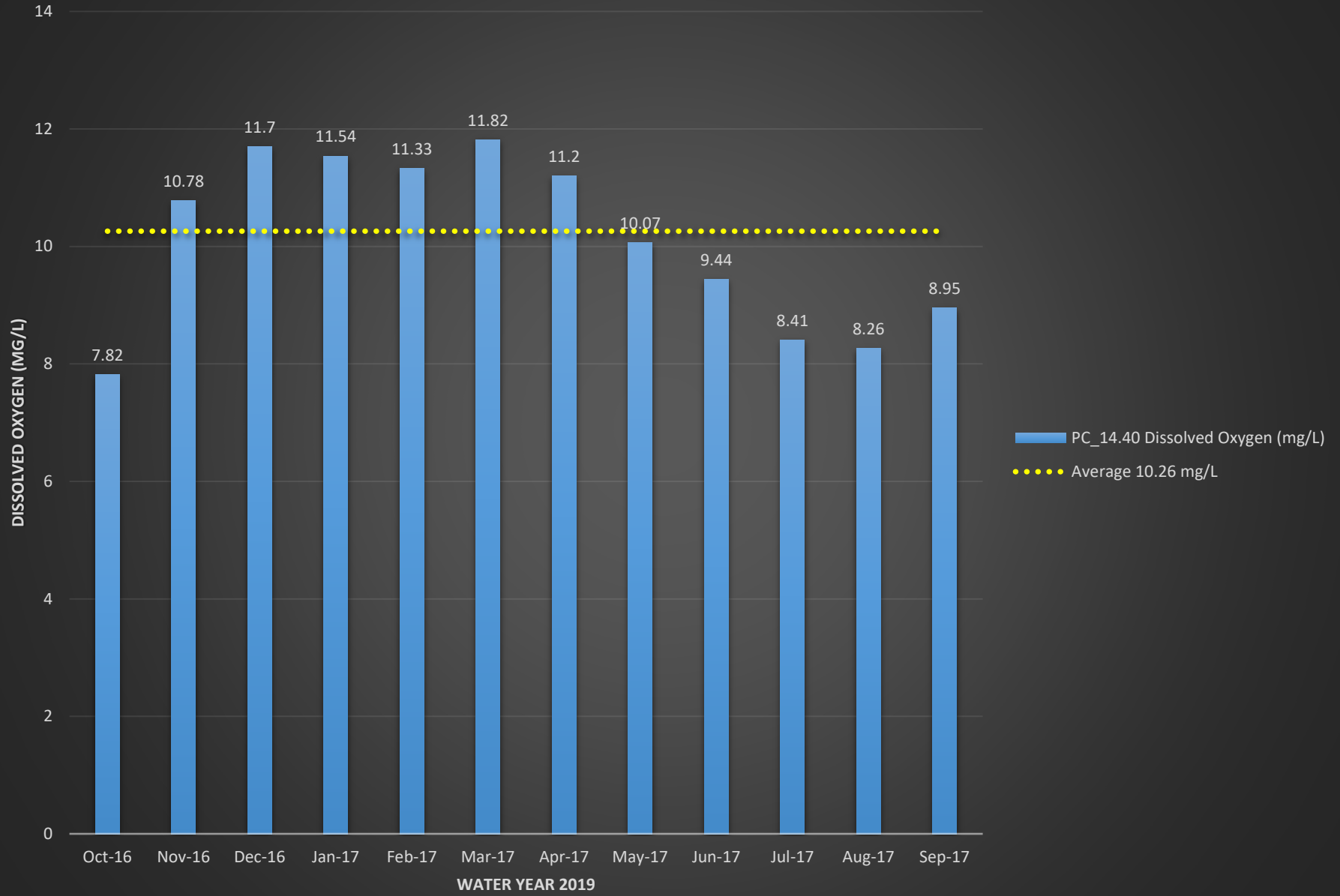
PC_14.40 Temperature (°C)



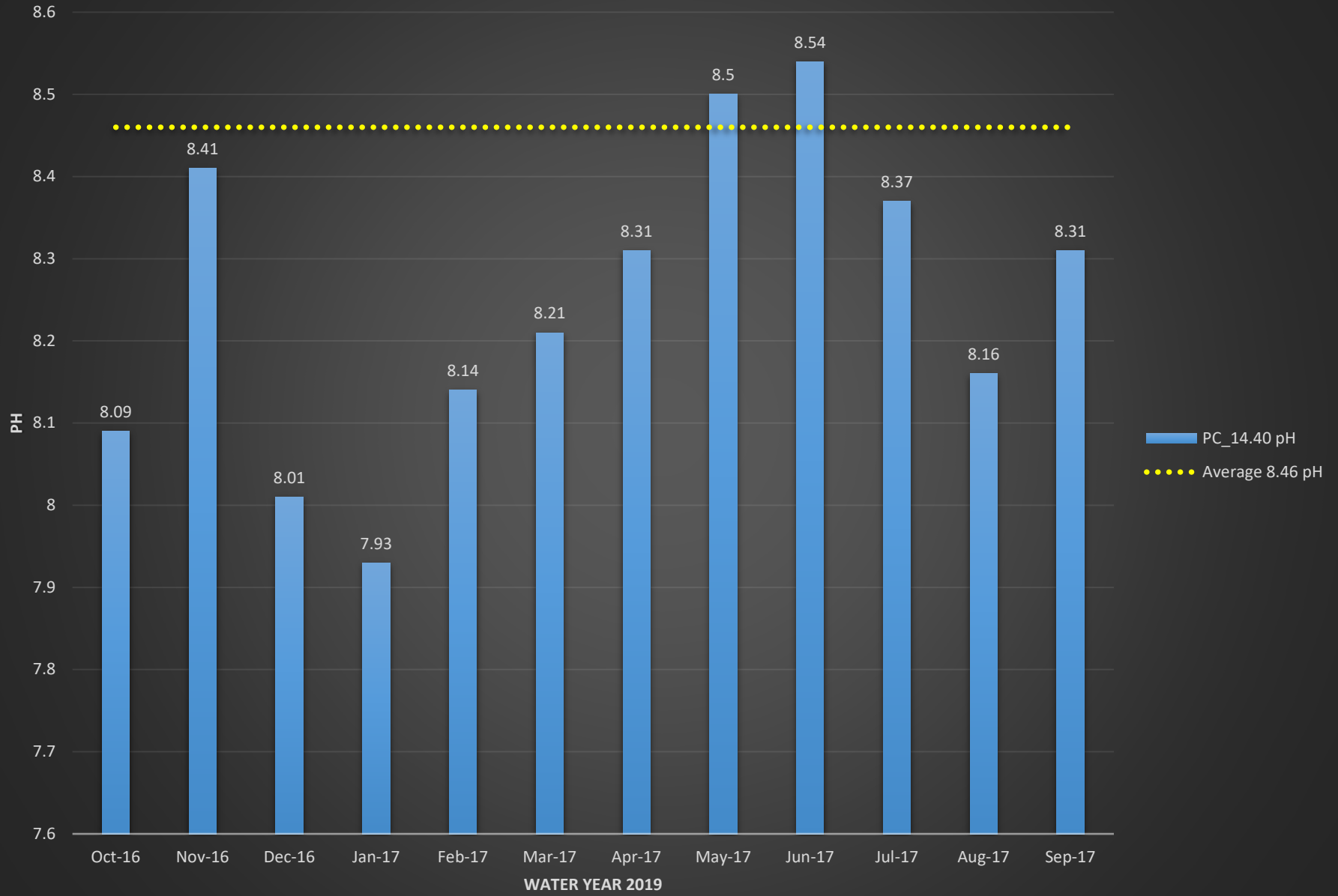
PC_14.40 Dissolved Oxygen (%)



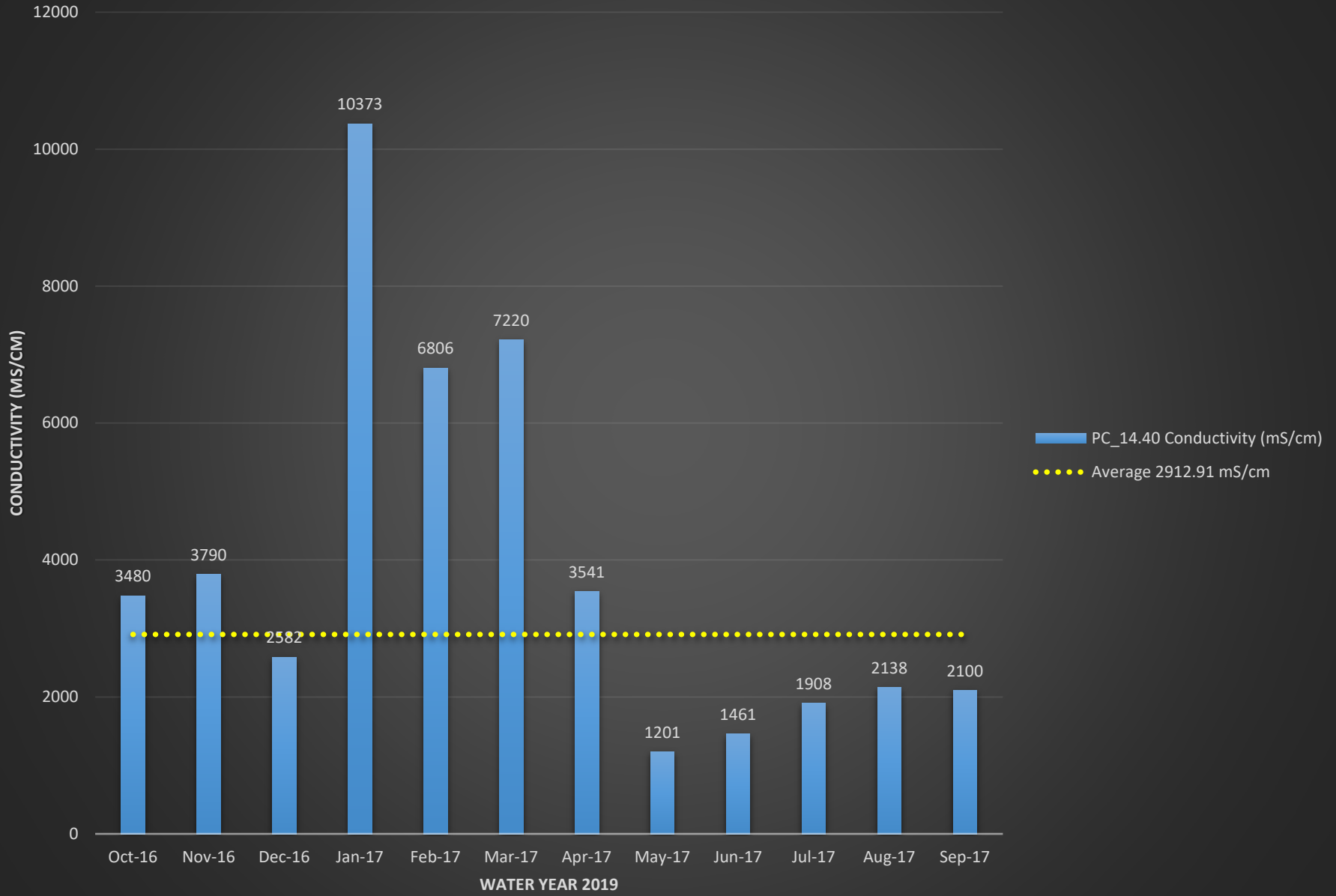
PC_14.40 Dissolved Oxygen (mg/L)



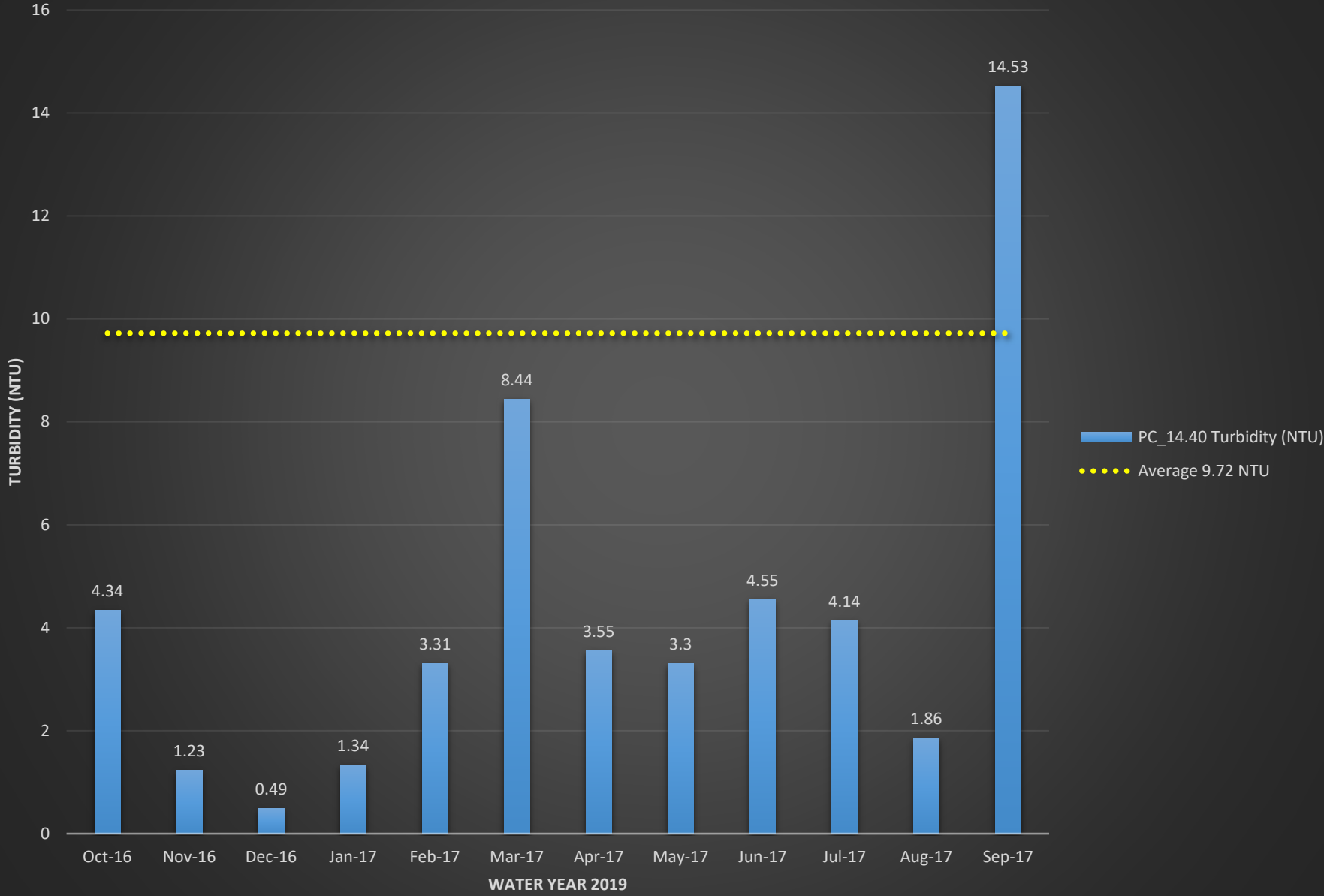
PC_14.40 pH



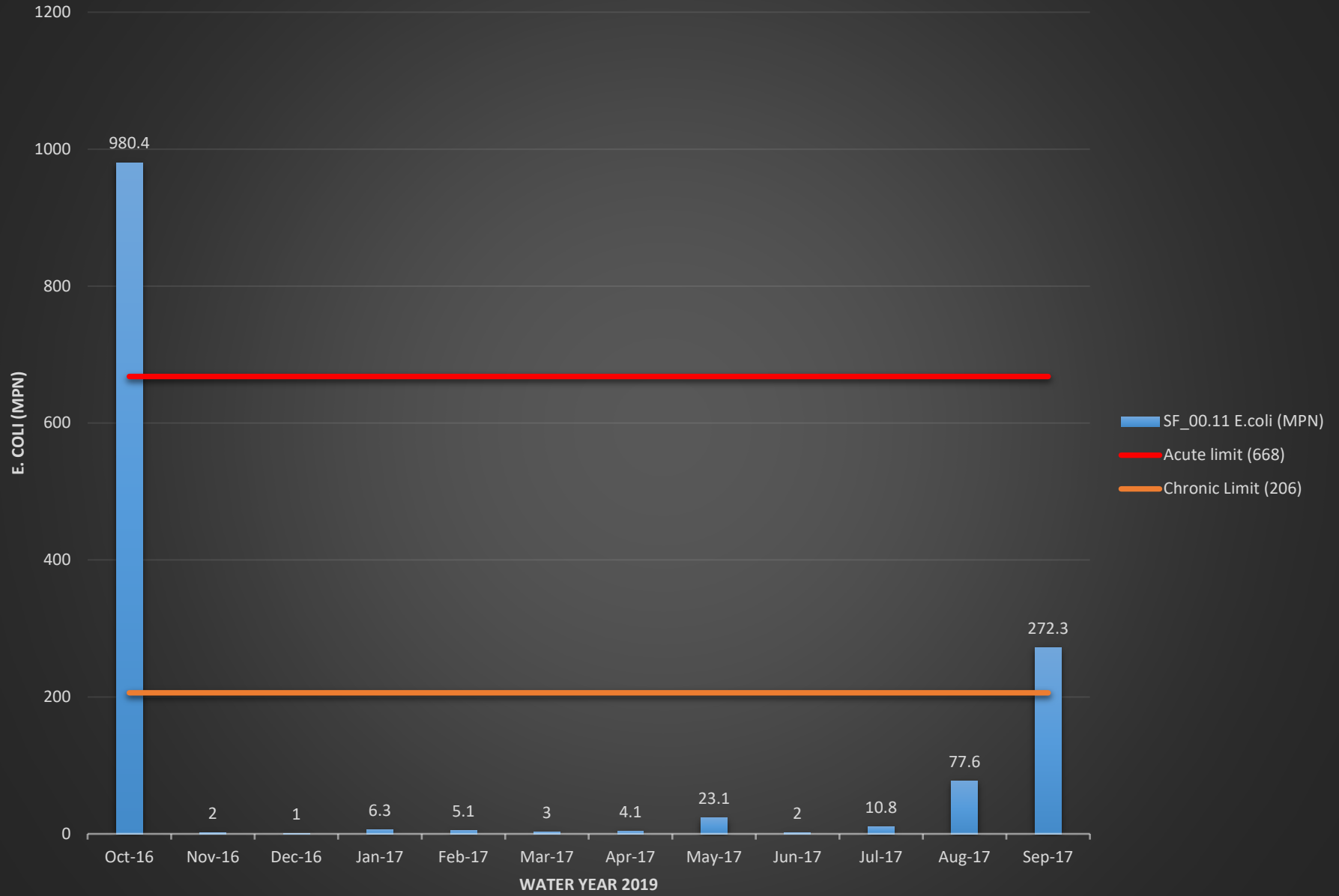
PC_14.40 Conductivity (mS/cm)



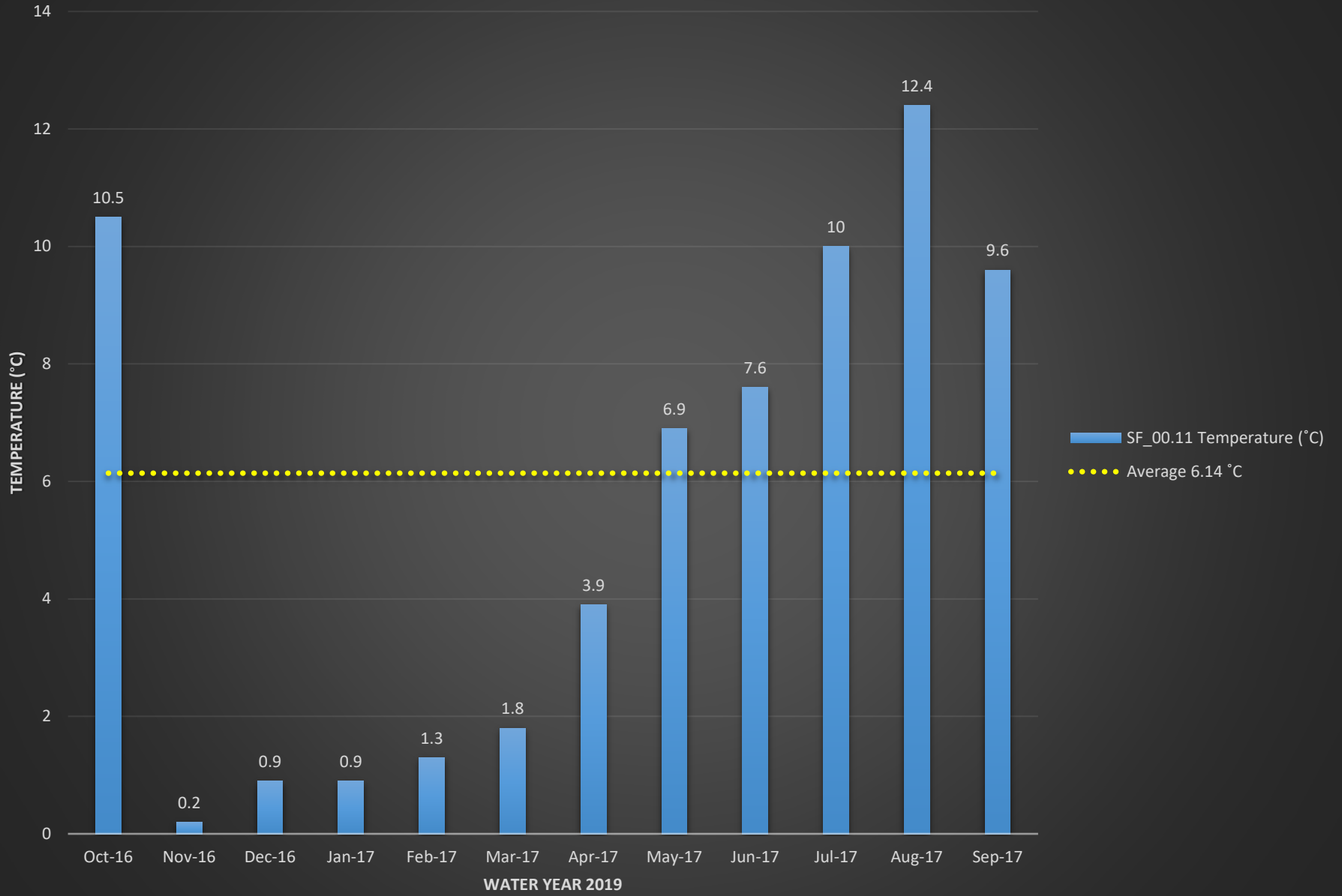
PC_14.40 Turbidity (NTU)



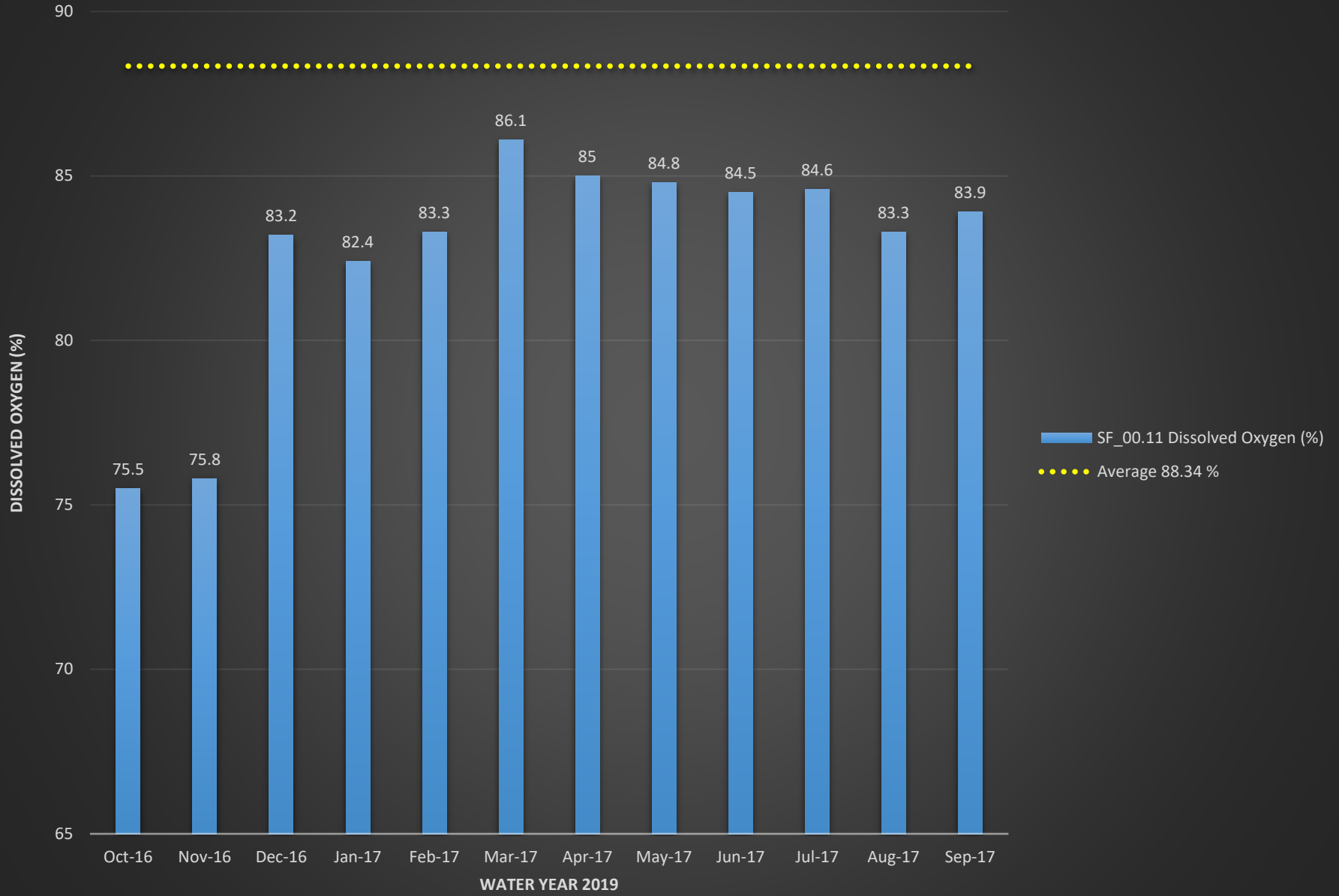
SF_00.11 E.coli (MPN)



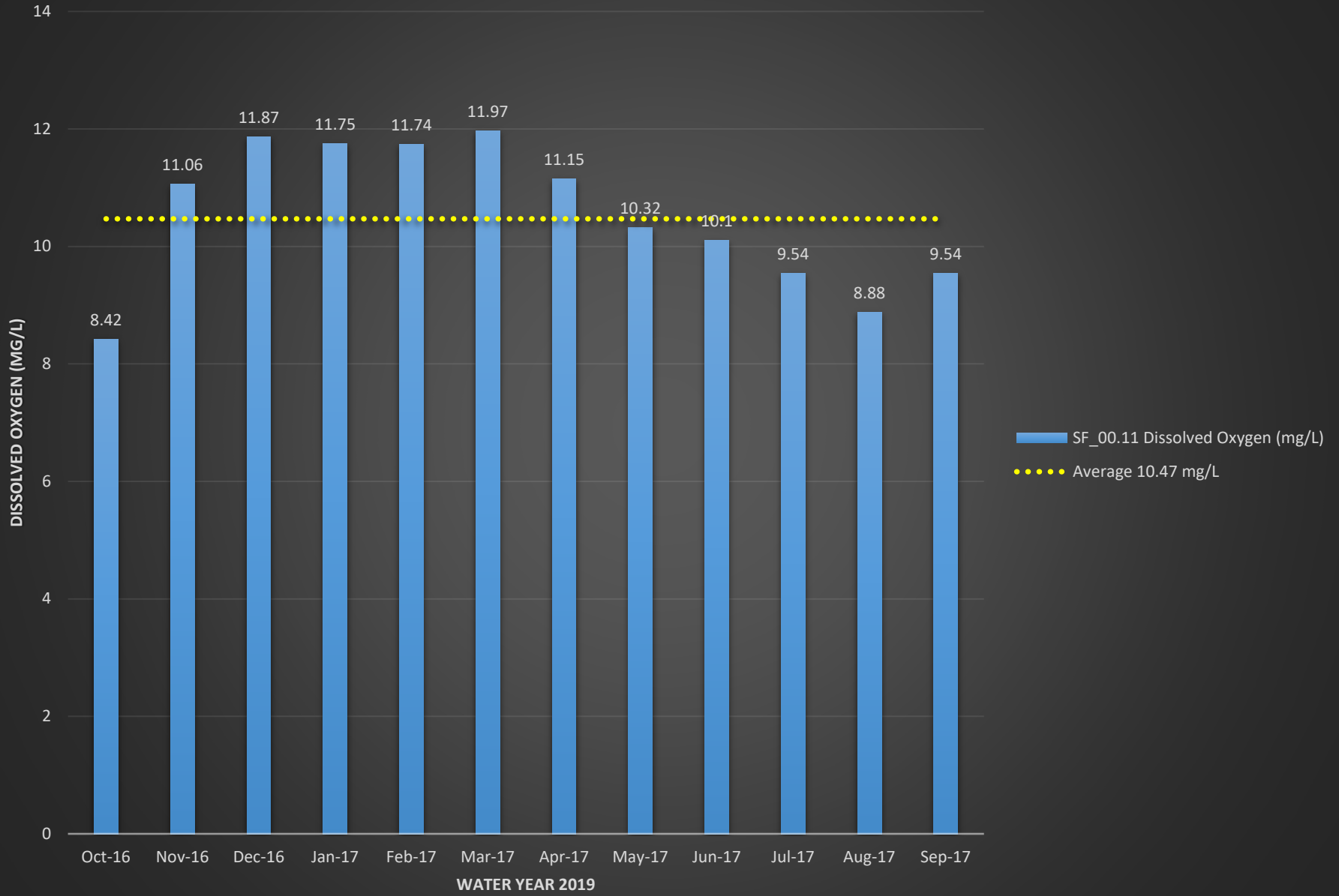
SF_00.11 Temperature (°C)



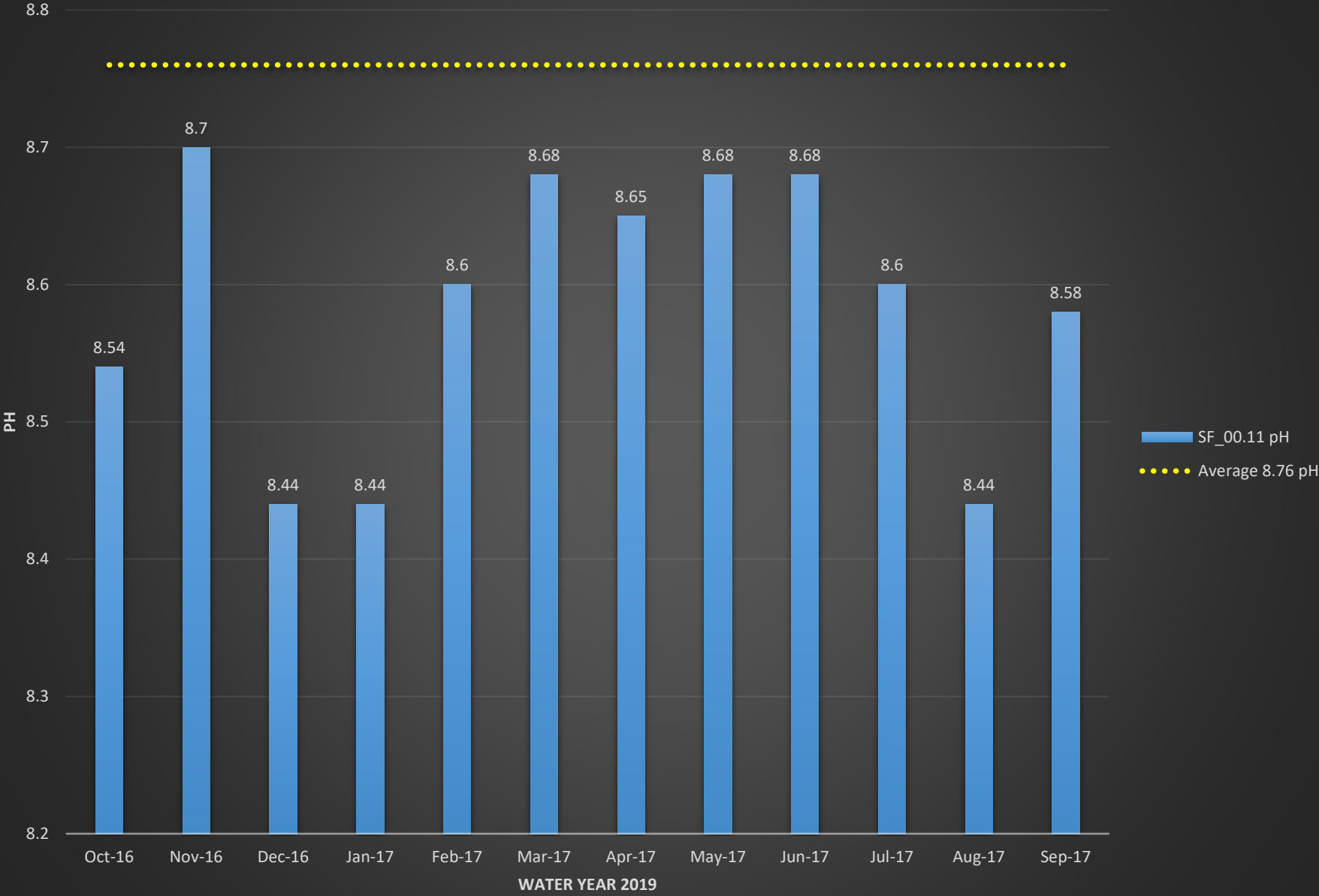
SF_00.11 Dissolved Oxygen (%)



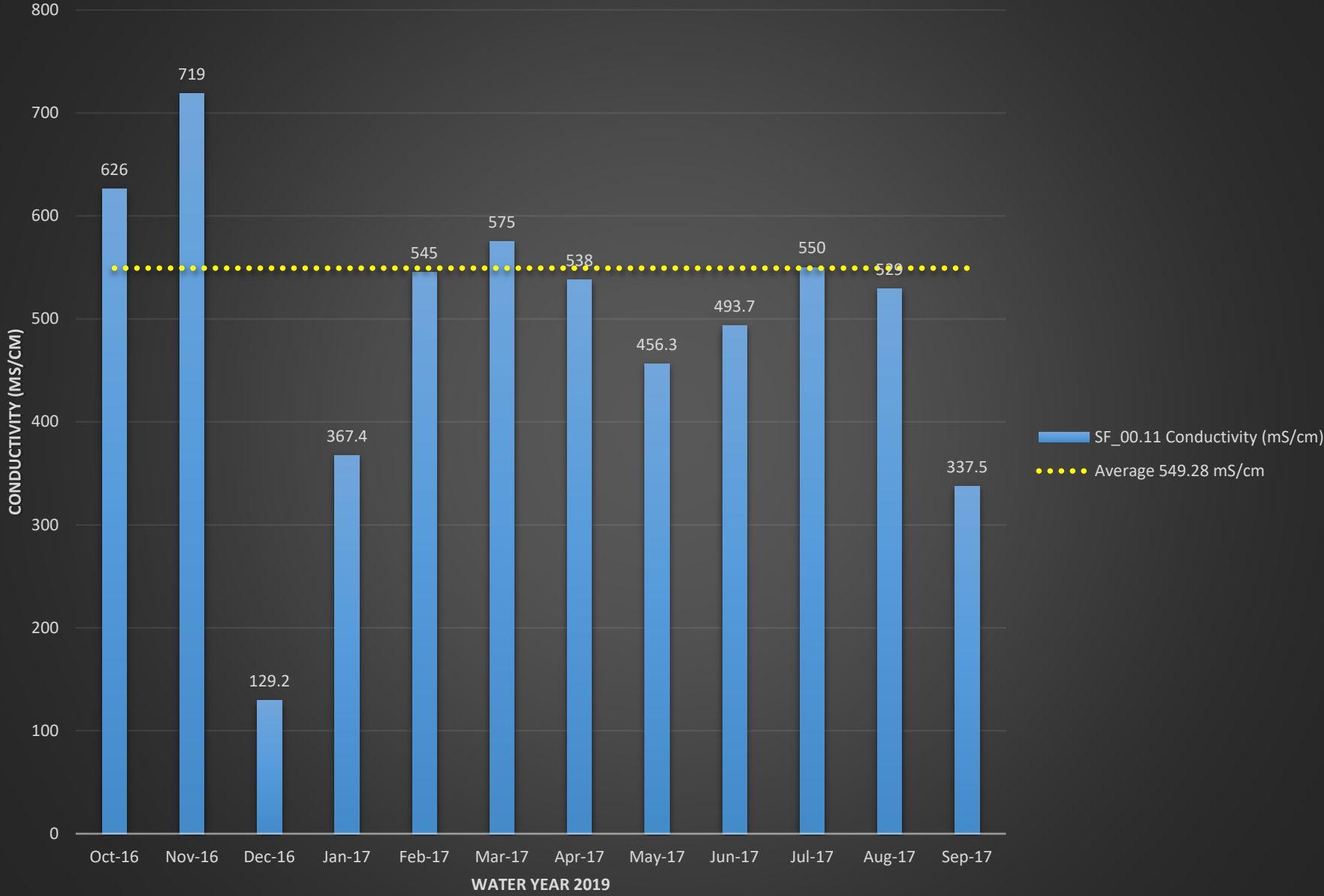
SF_00.11 Dissolved Oxygen (mg/L)



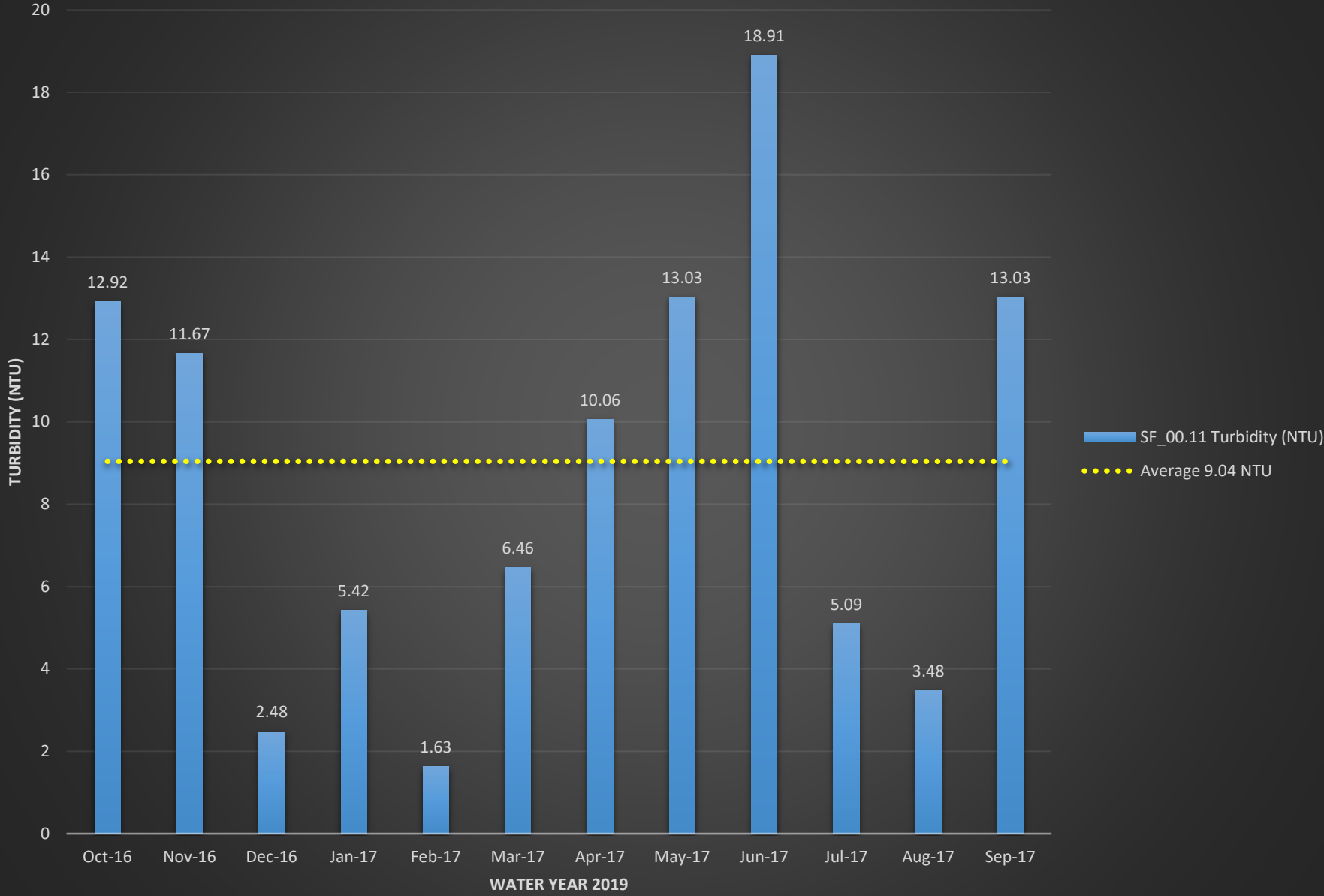
SF_00.11 pH



SF_00.11 Conductivity (mS/cm)

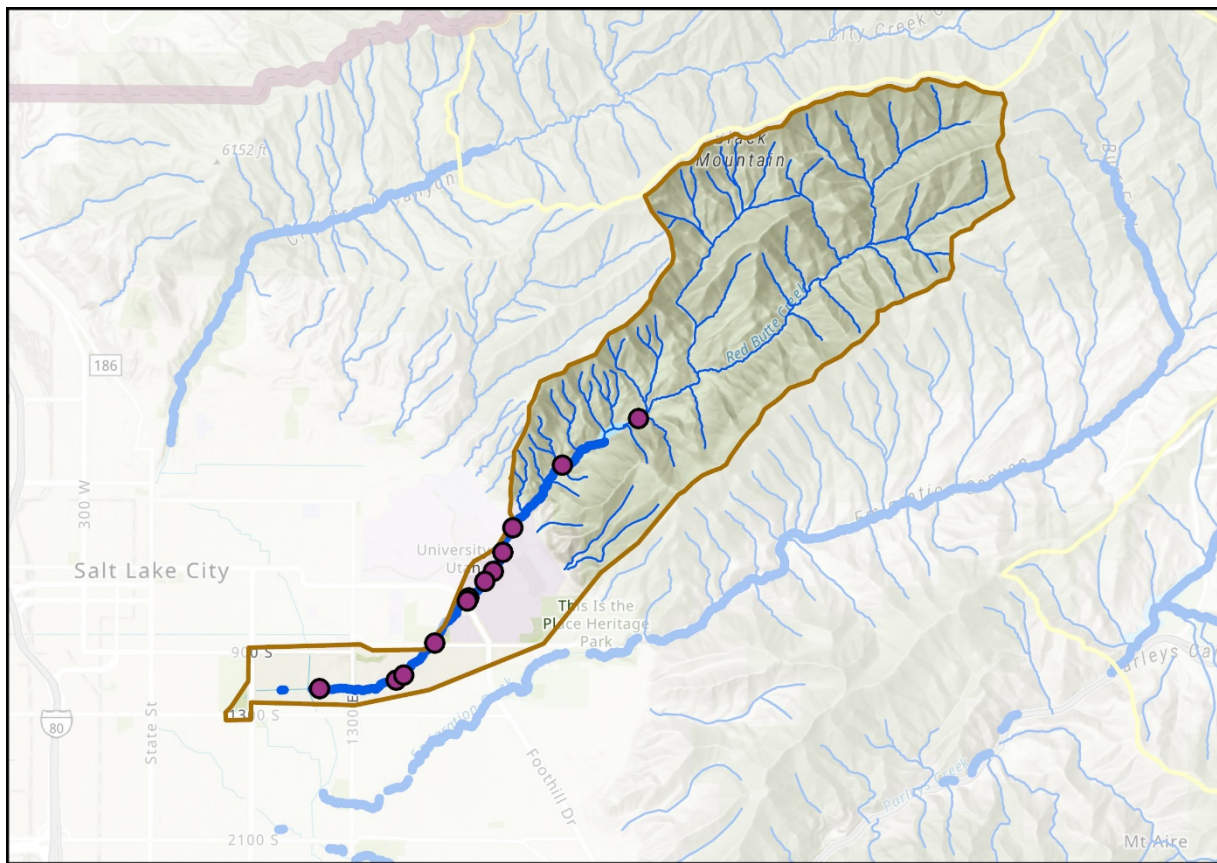


SF_00.11 Turbidity (NTU)



RED BUTTE CREEK SUBWATERSHED

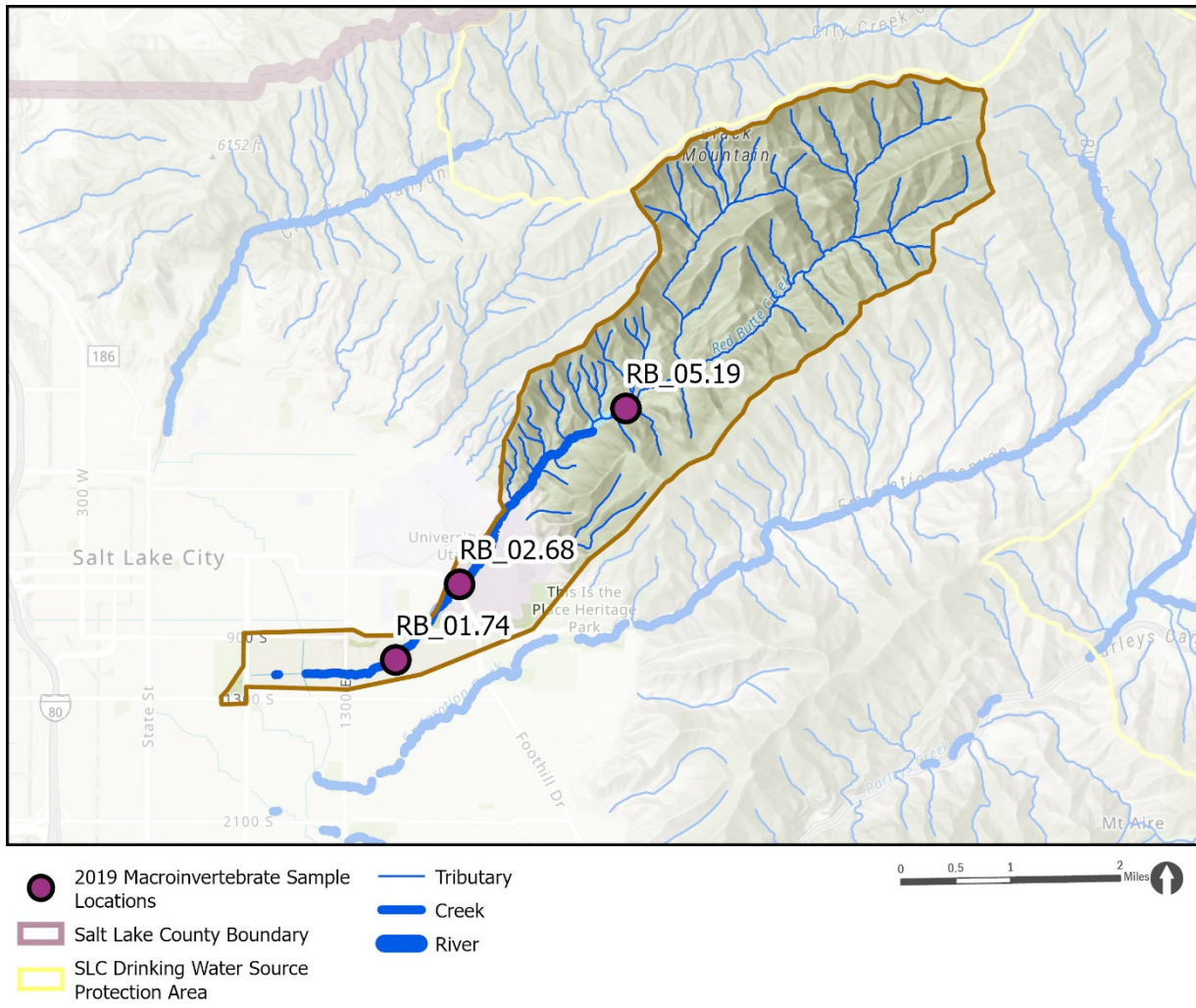
Subwatershed Map with All Sample Sites



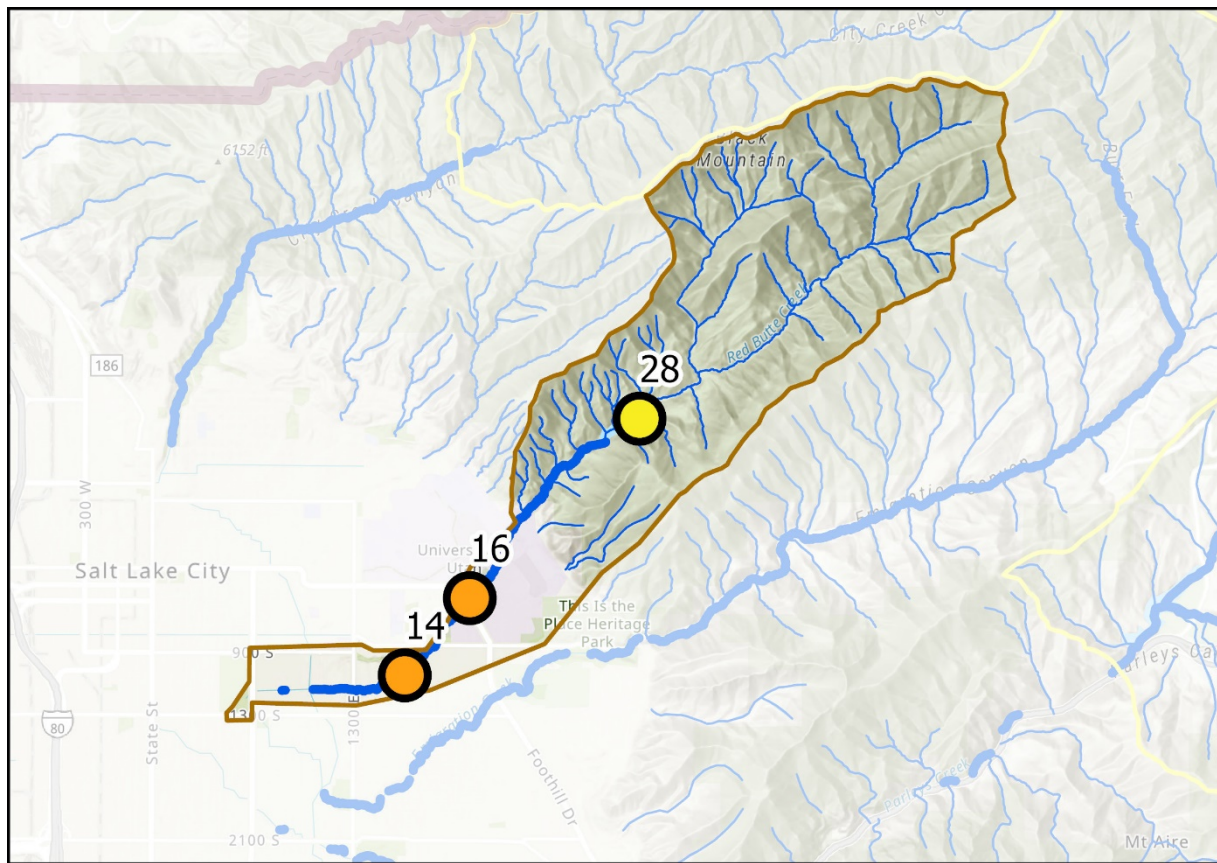
- 2019 Sample Locations
- Salt Lake County Boundary
- Tributary
- Creek
- SLC Drinking Water Source Protection Area
- River



Subwatershed Map with Macroinvertebrate Sample Sites



Macroinvertebrate Karr-BIBI Results



2019 Macroinvertebrate
Karr BIBI

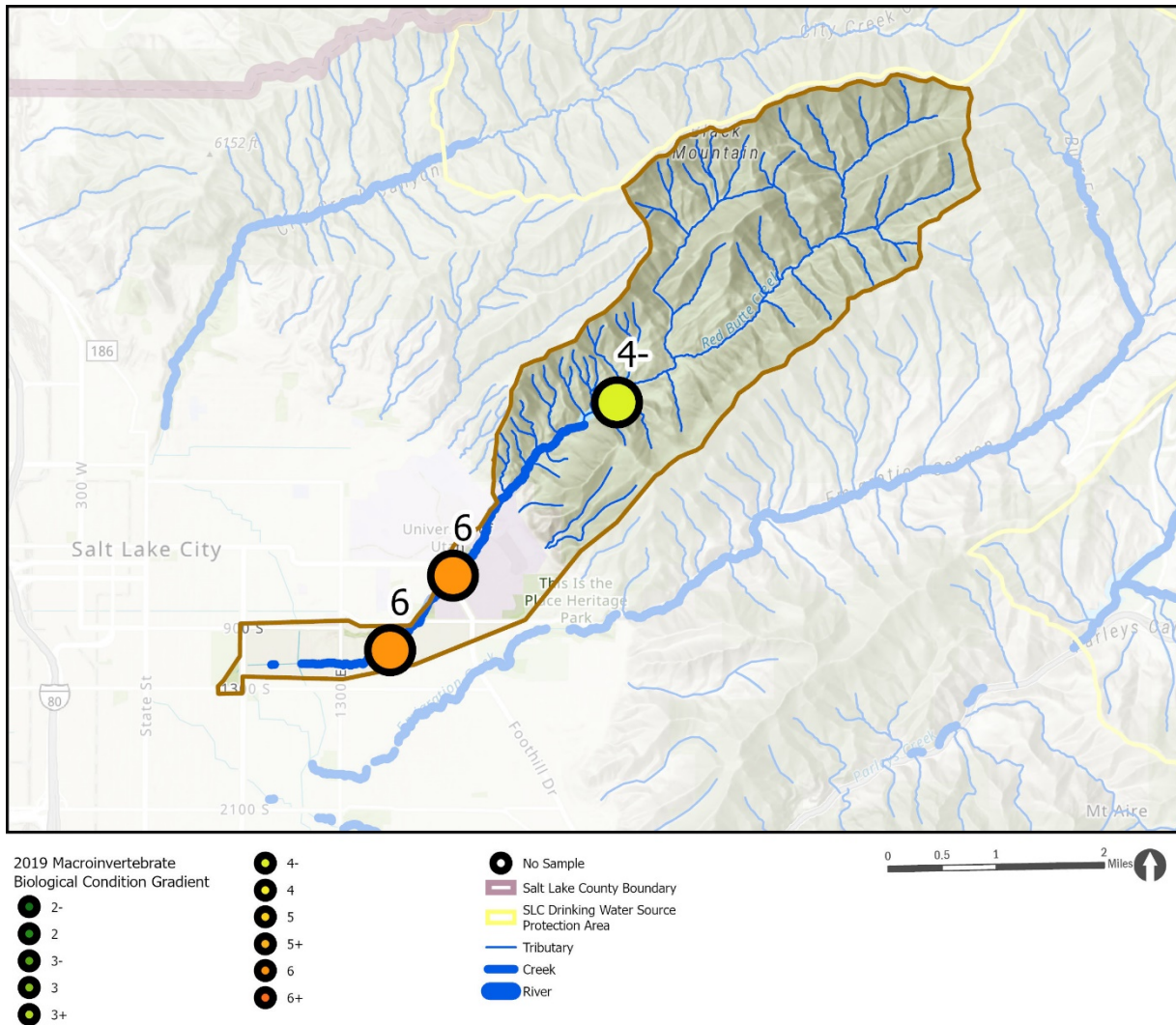
- ≤10
- ≤12
- ≤20
- ≤24

- ≤28
- ≤32
- ≤36
- ≤40
- ≤44
- ≤48

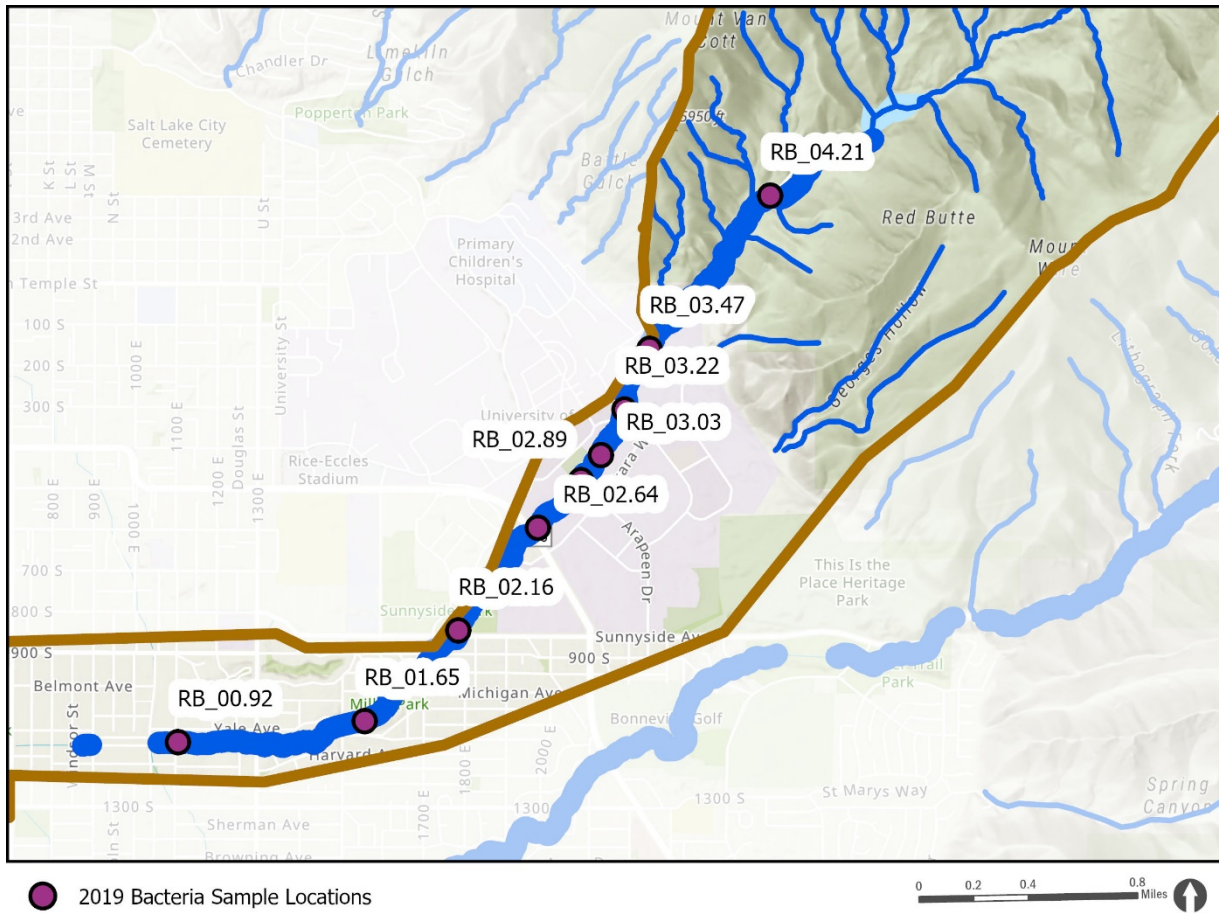
- No Sample
- Salt Lake County Boundary
- SLC Drinking Water Source Protection Area
- Tributary
- Creek
- River



Macroinvertebrate Biological Condition Gradient (BCG) Results



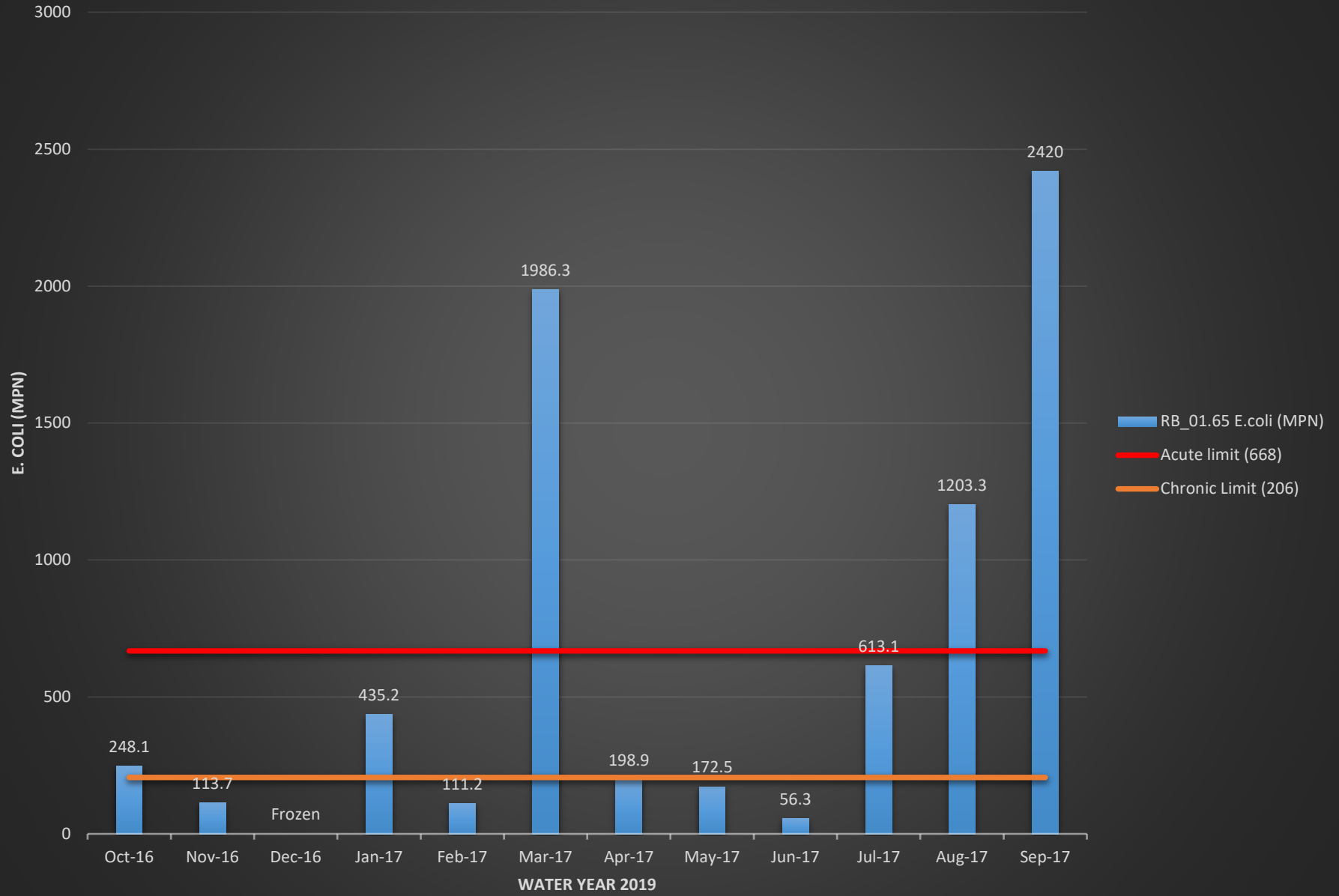
Subwatershed Map with Bacteria Sample Sites



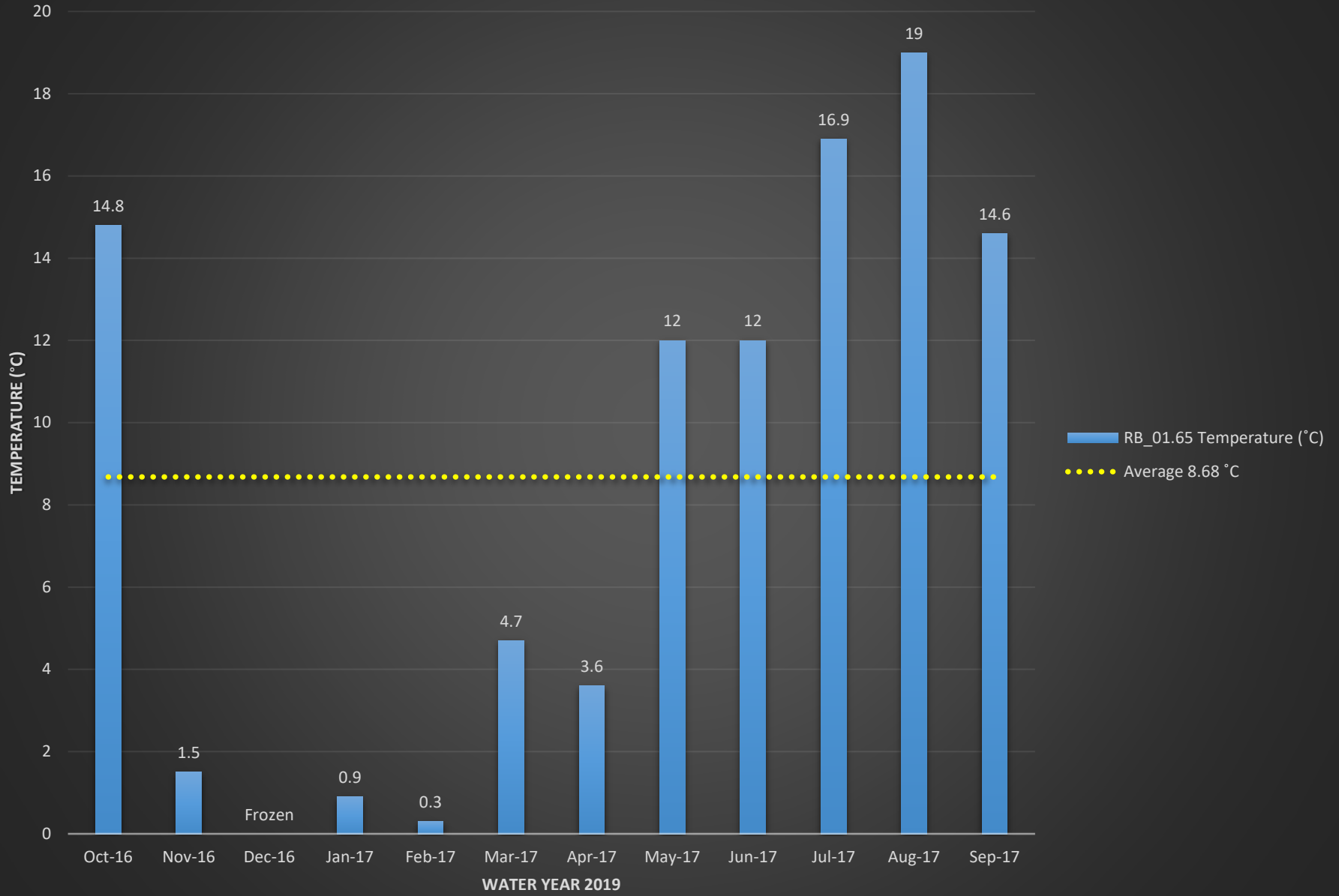
E. coli & Field Parameter Graphs

Graphs begin on next page...

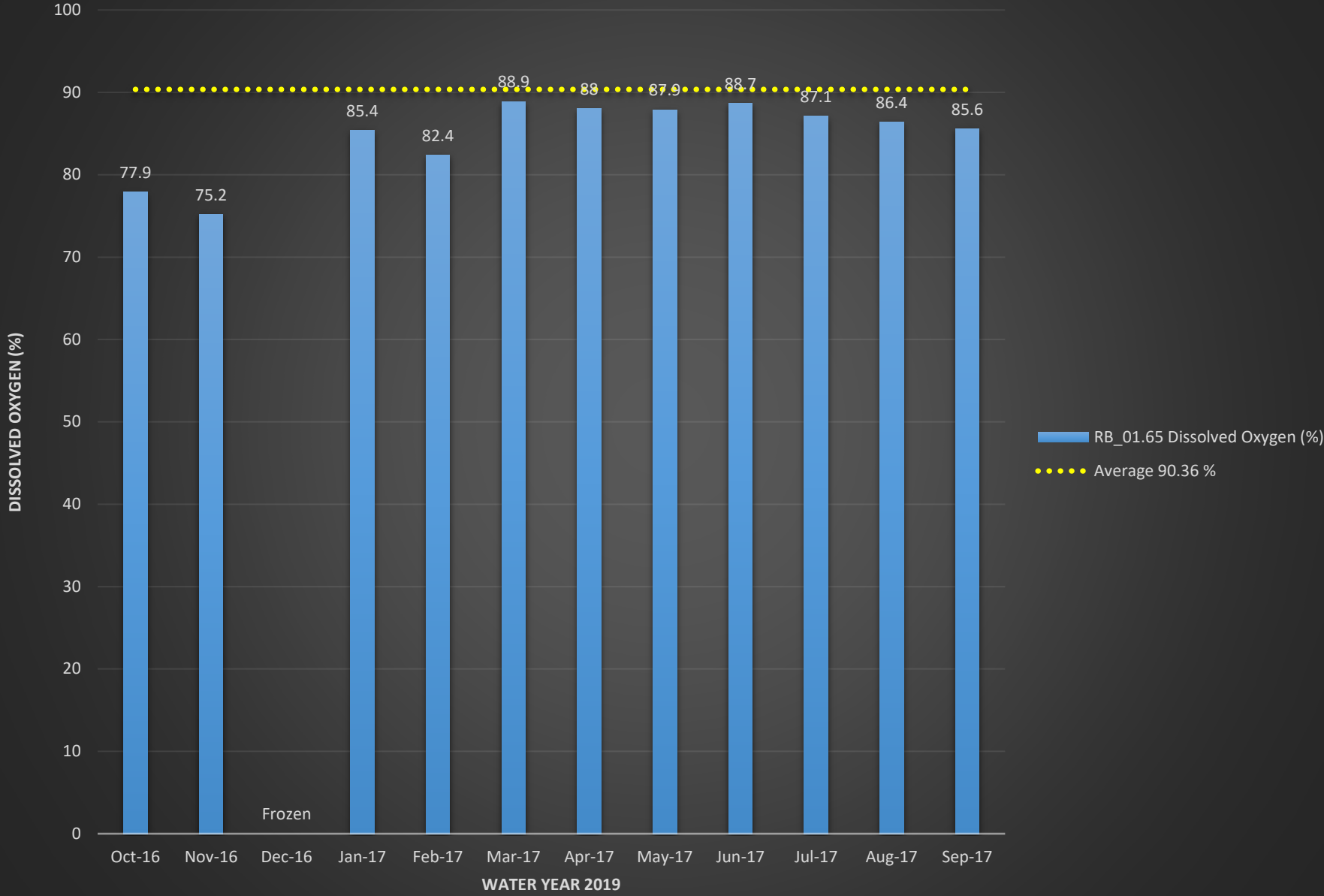
RB_01.65 E.coli (MPN)



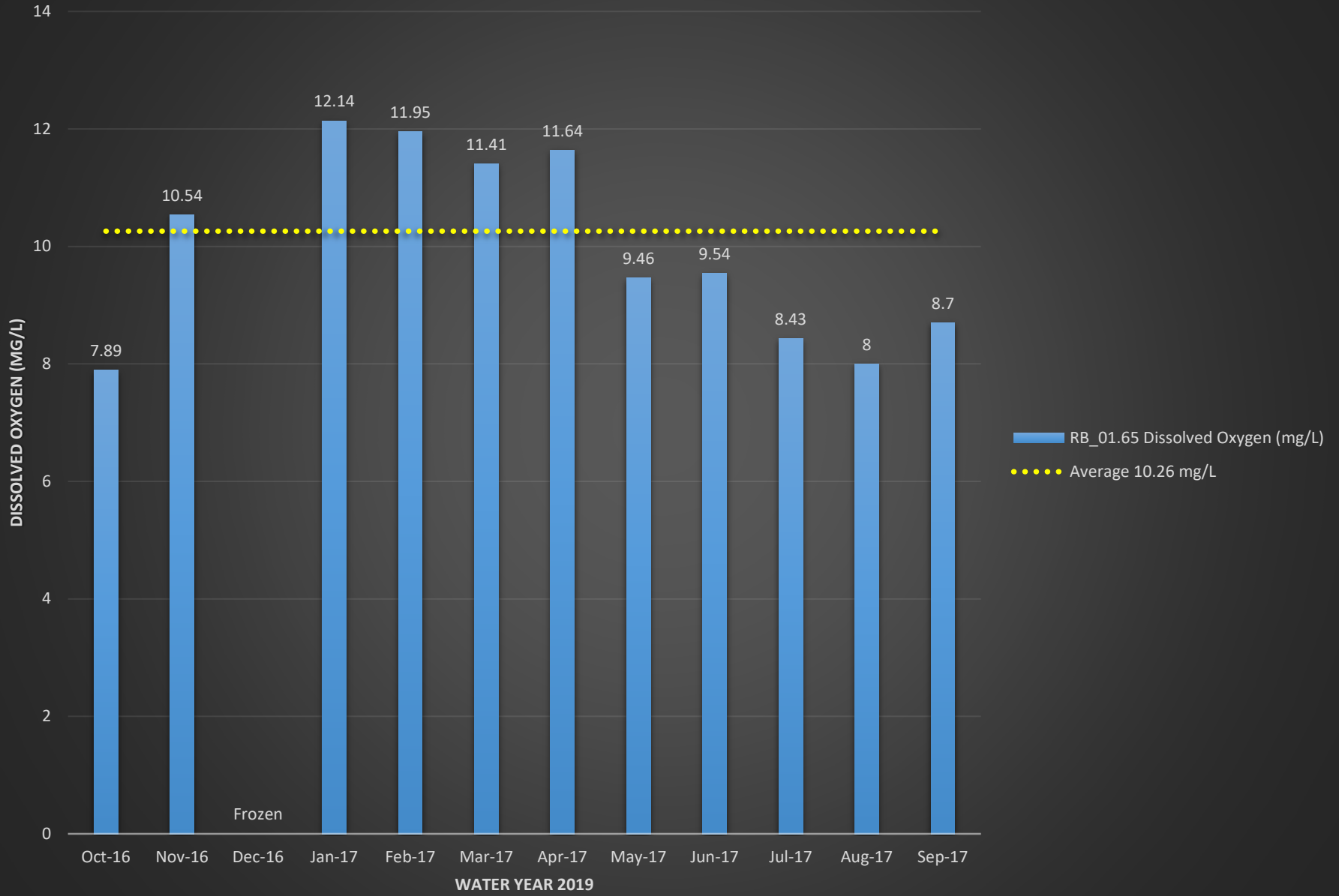
RB_01.65 Temperature (°C)



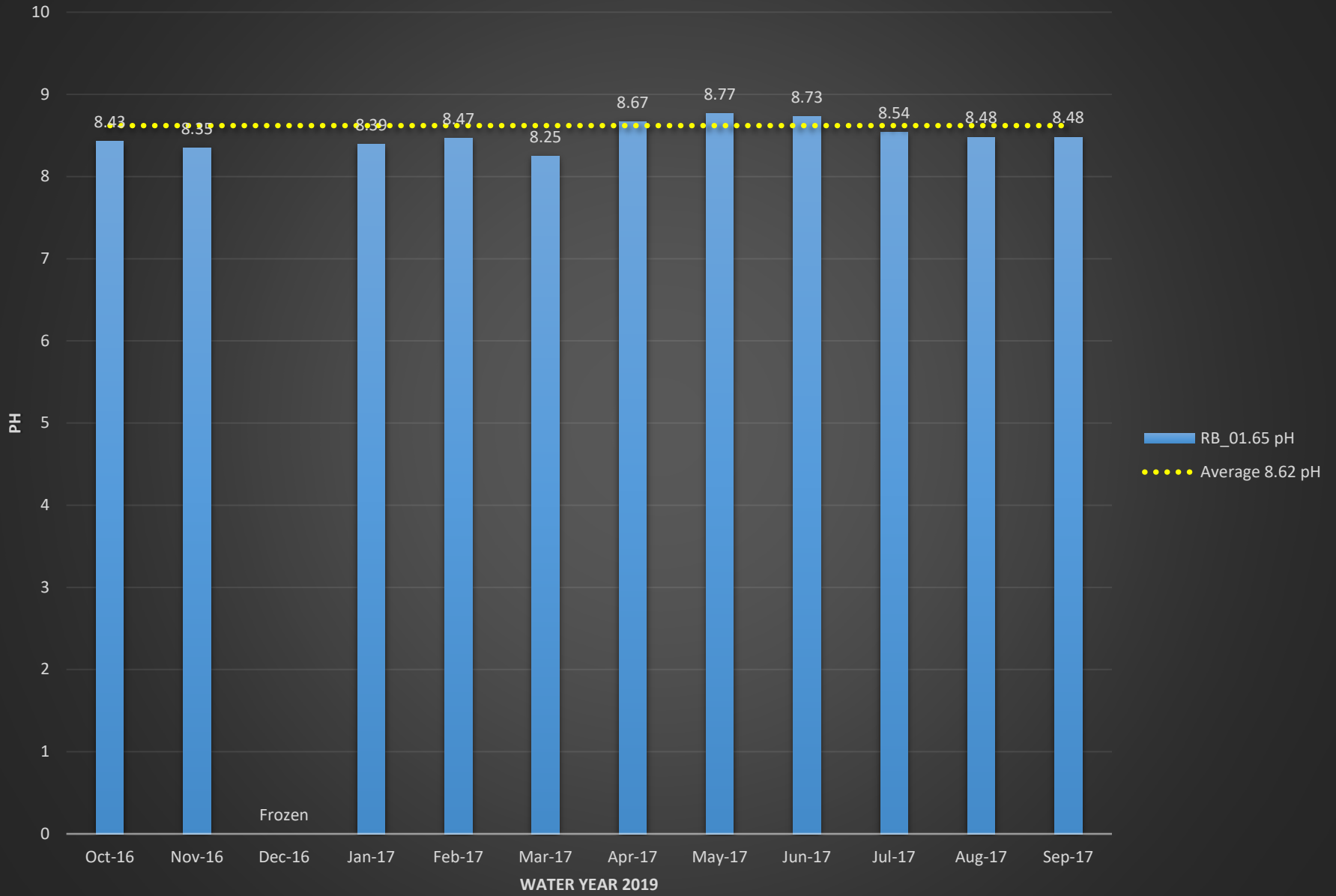
RB_01.65 Dissolved Oxygen (%)



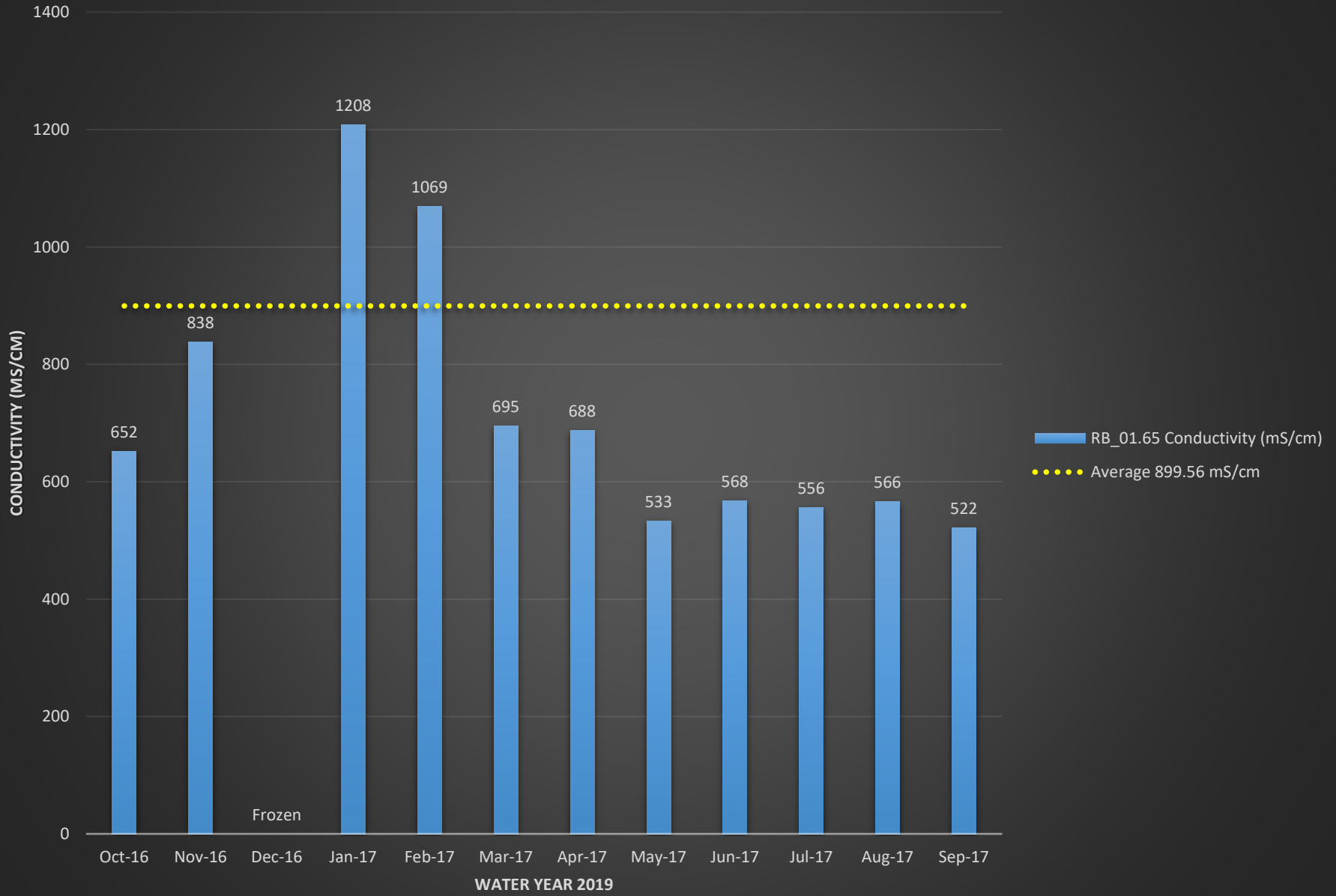
RB_01.65 Dissolved Oxygen (mg/L)



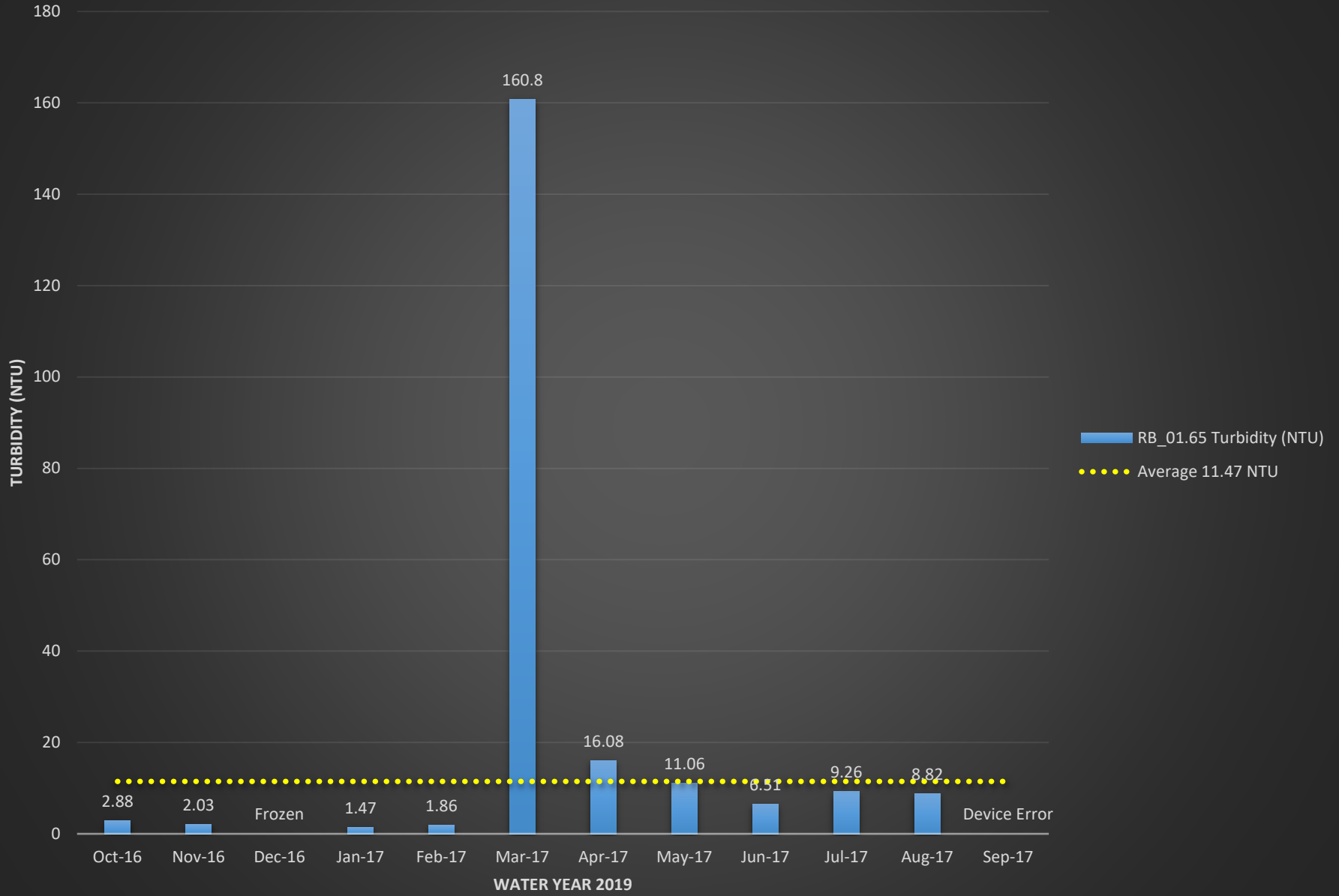
RB_01.65 pH



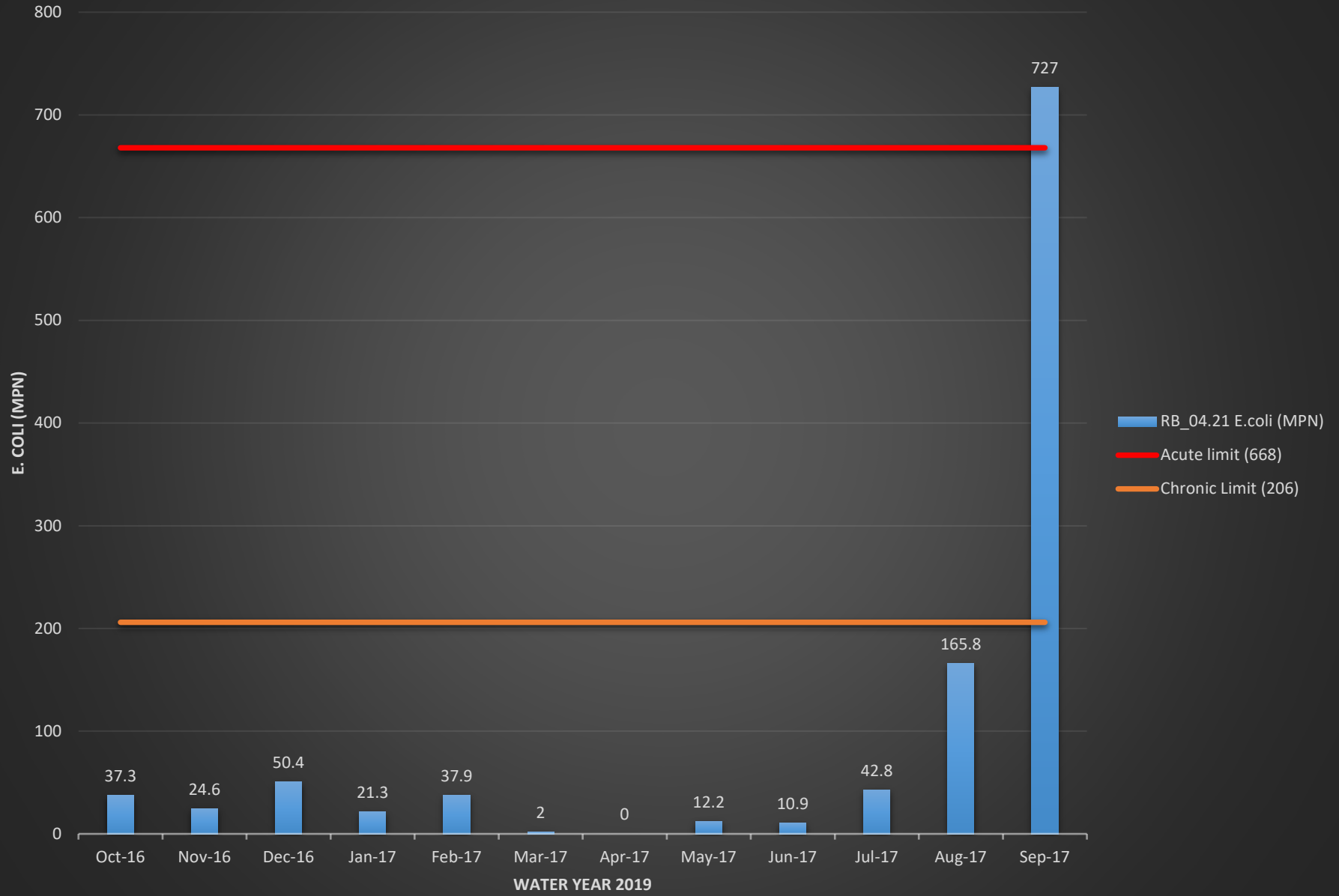
RB_01.65 Conductivity (mS/cm)



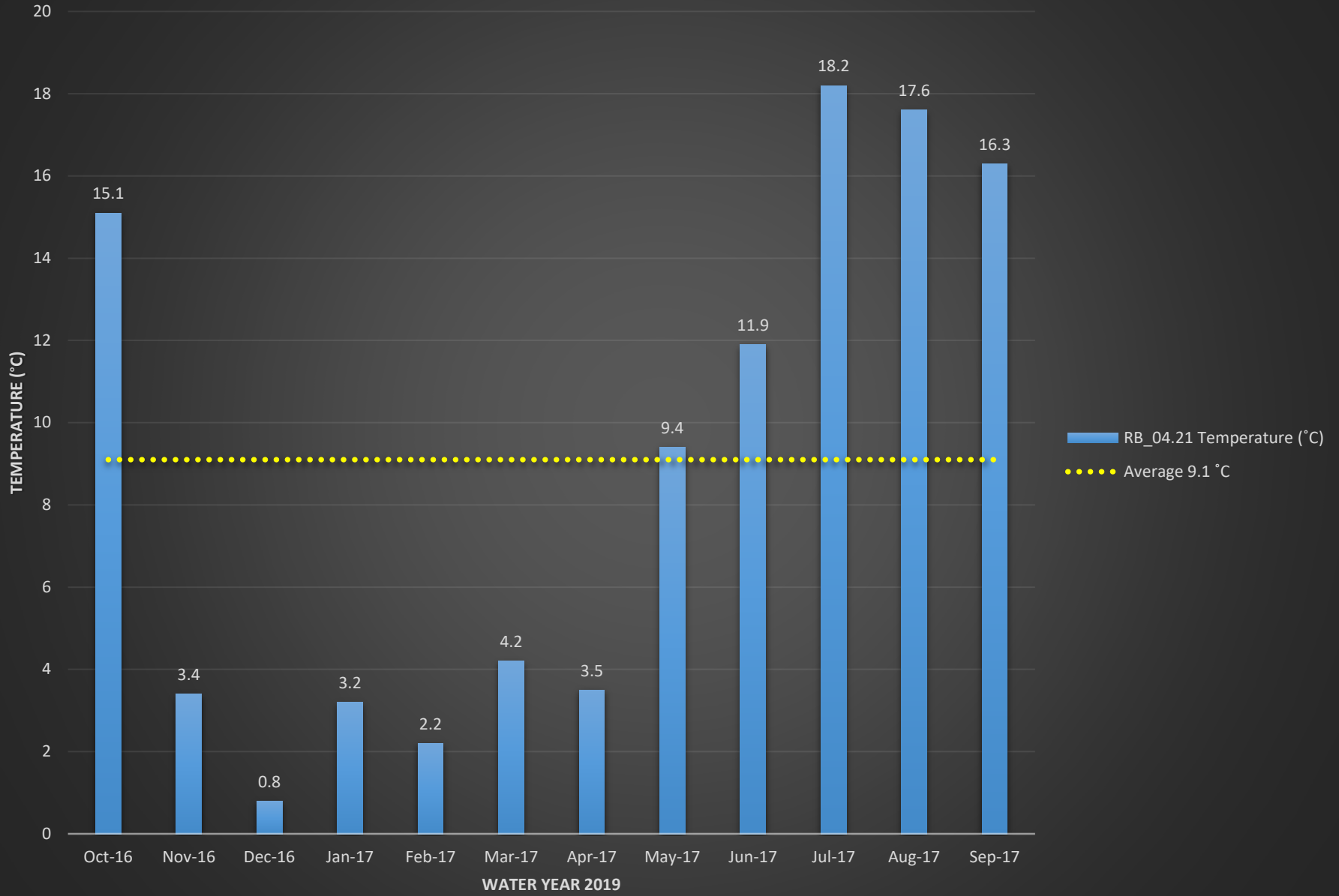
RB_01.65 Turbidity (NTU)



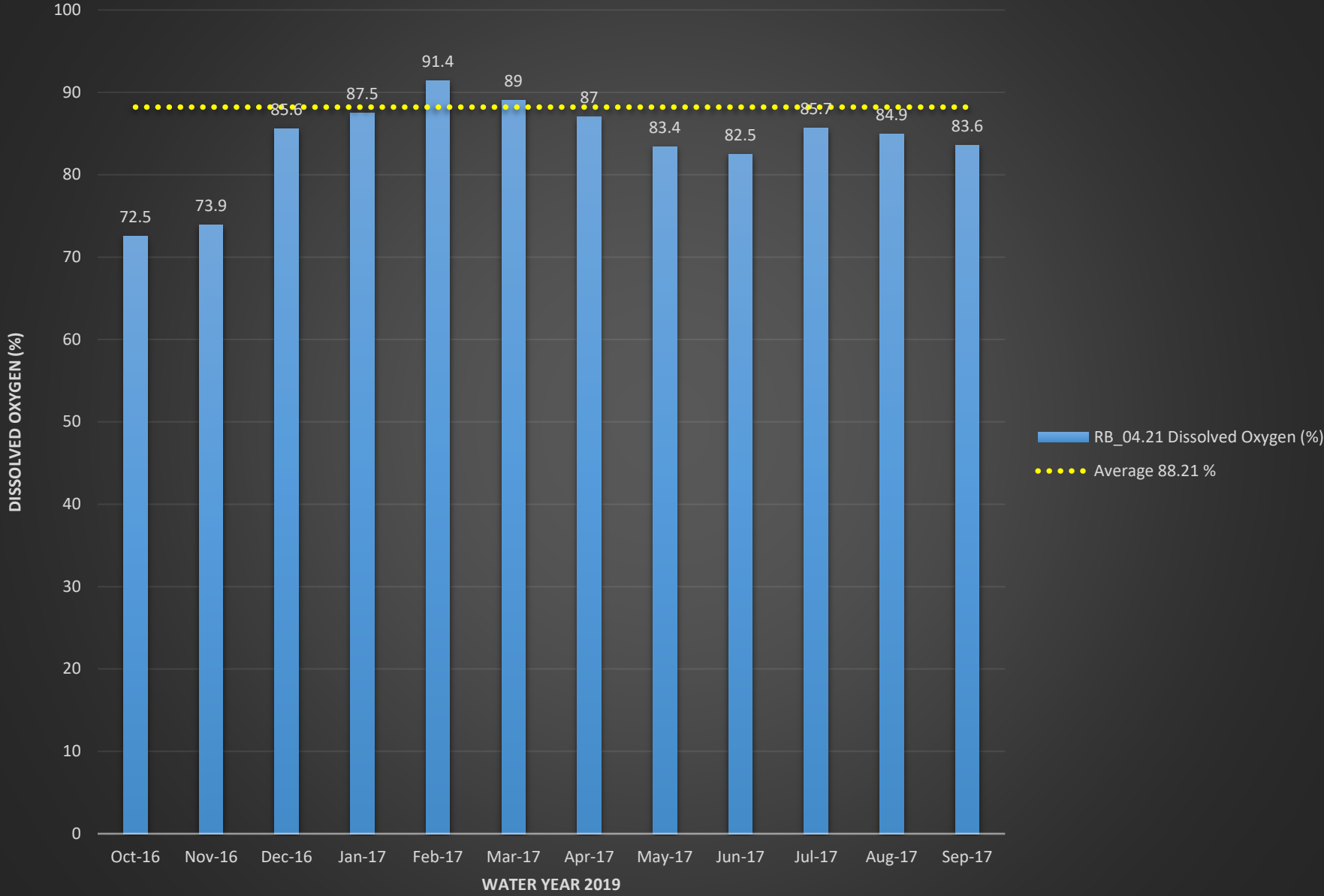
RB_04.21 E.coli (MPN)



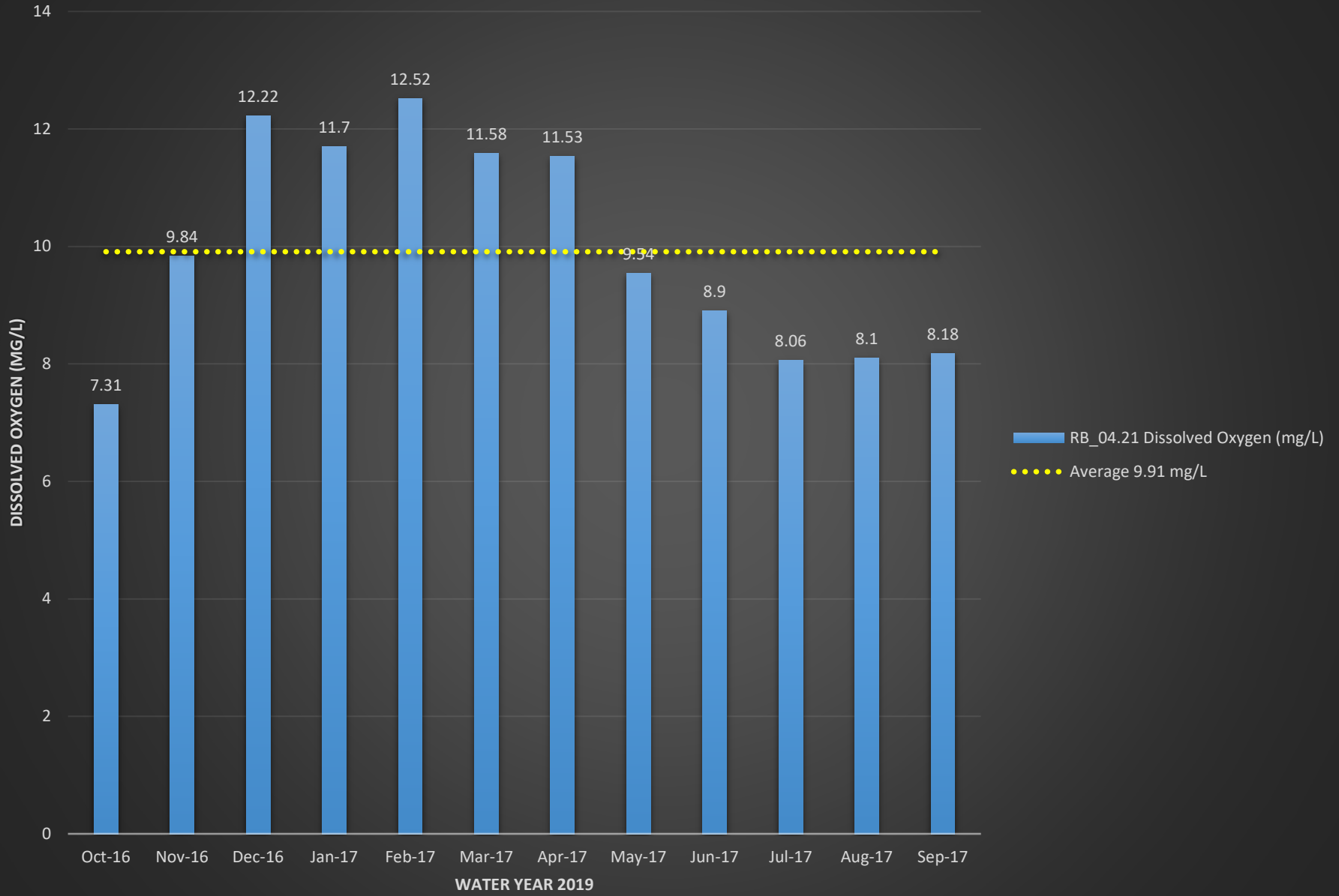
RB_04.21 Temperature (°C)



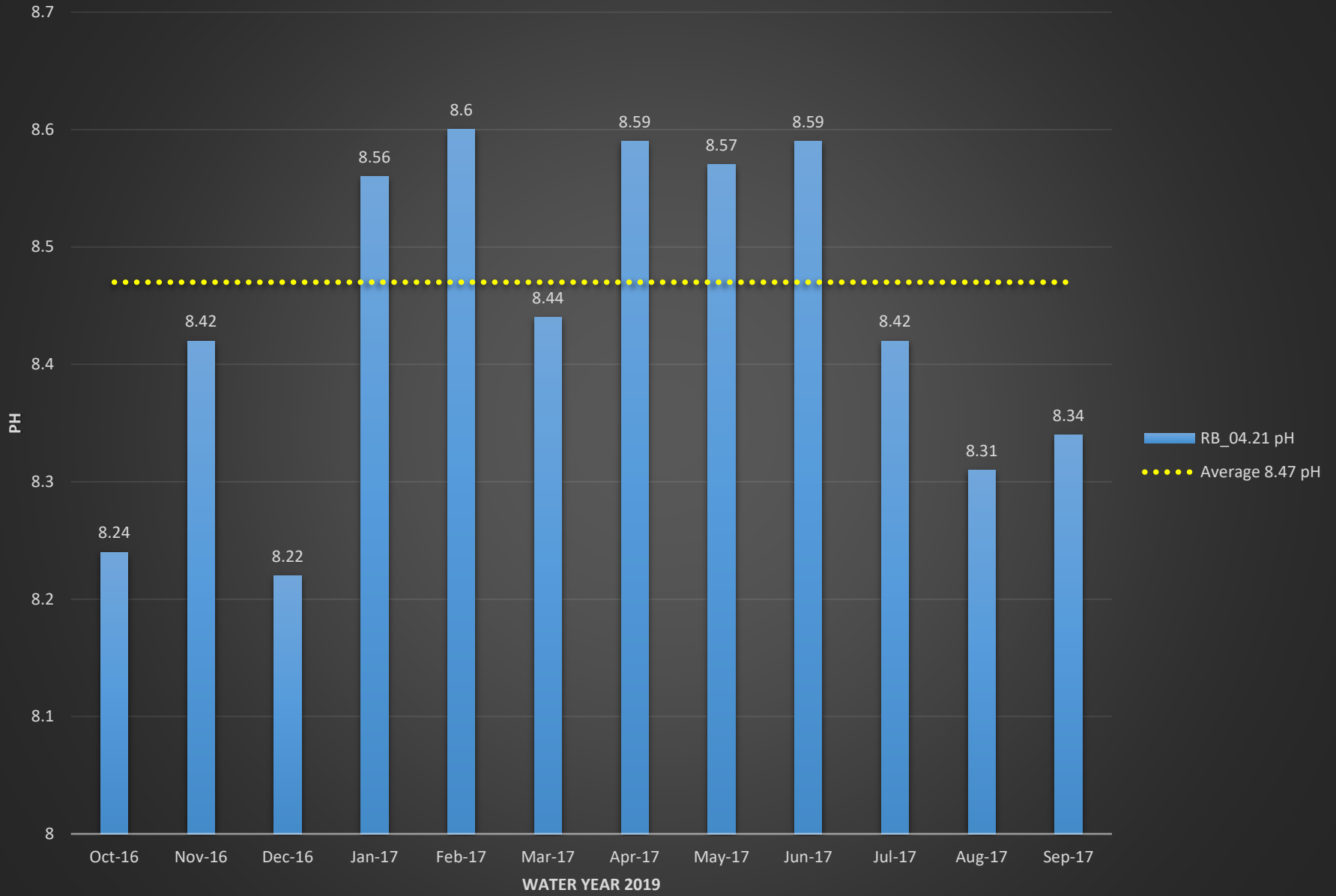
RB_04.21 Dissolved Oxygen (%)



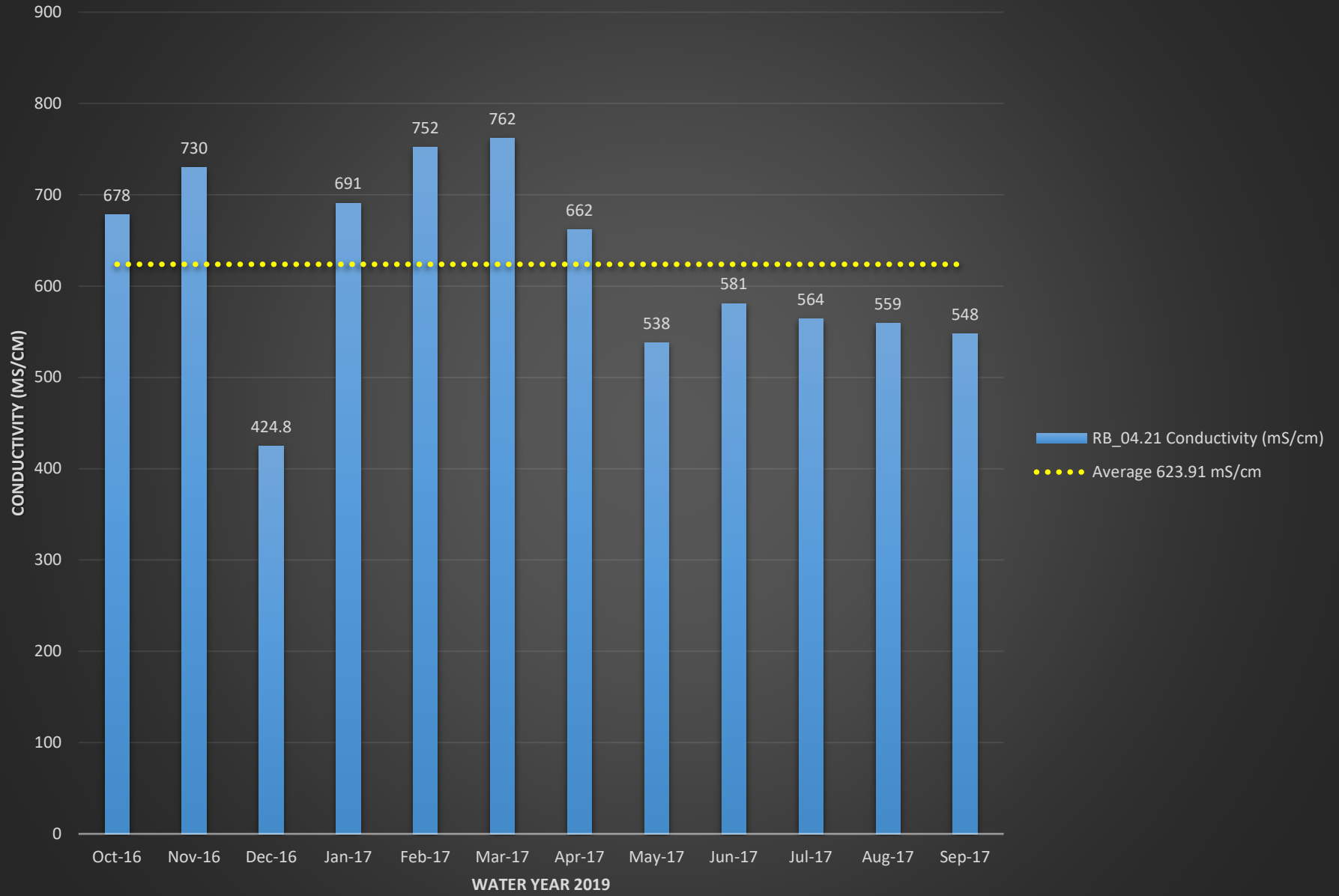
RB_04.21 Dissolved Oxygen (mg/L)



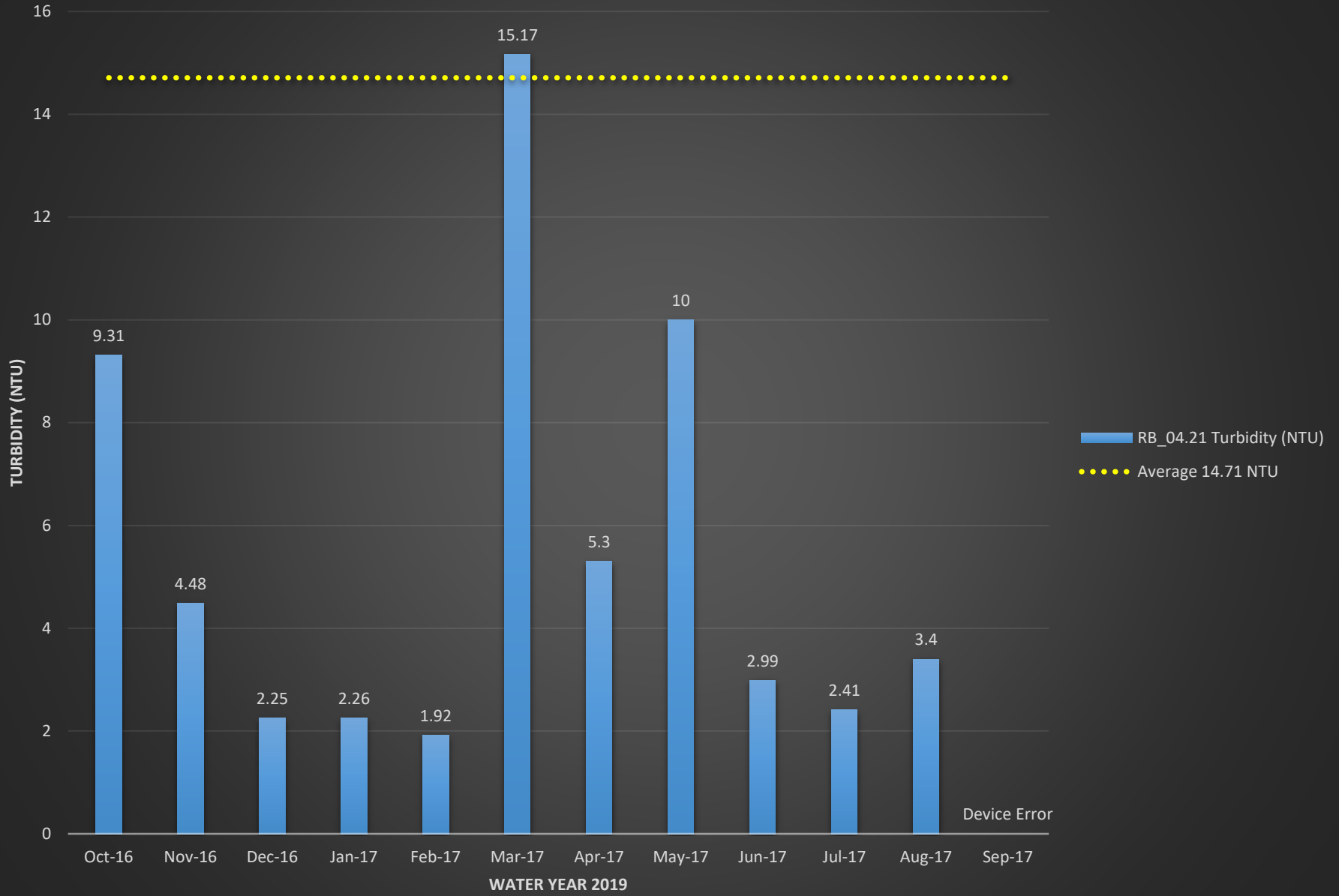
RB_04.21 pH



RB_04.21 Conductivity (mS/cm)

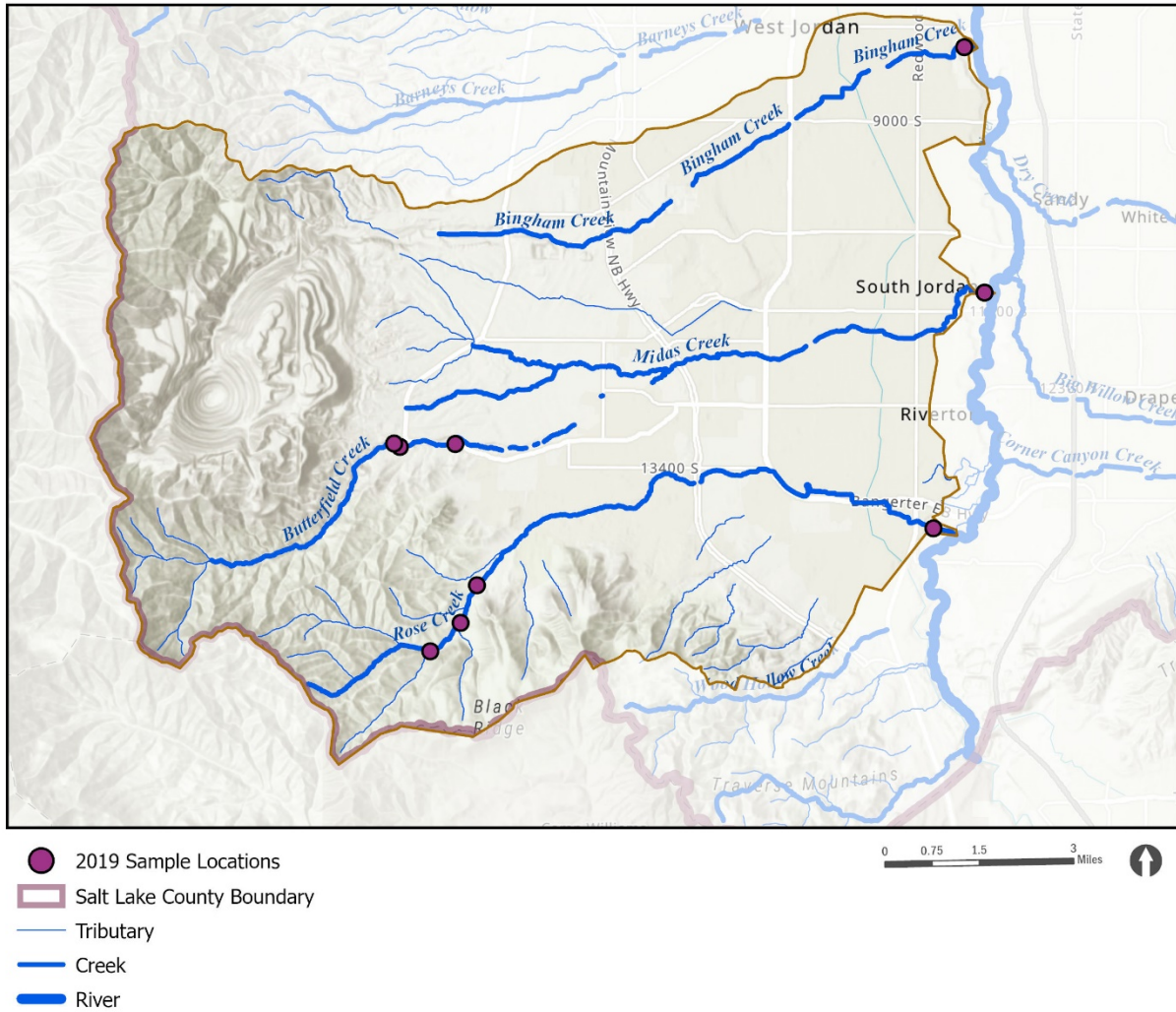


RB_04.21 Turbidity (NTU)

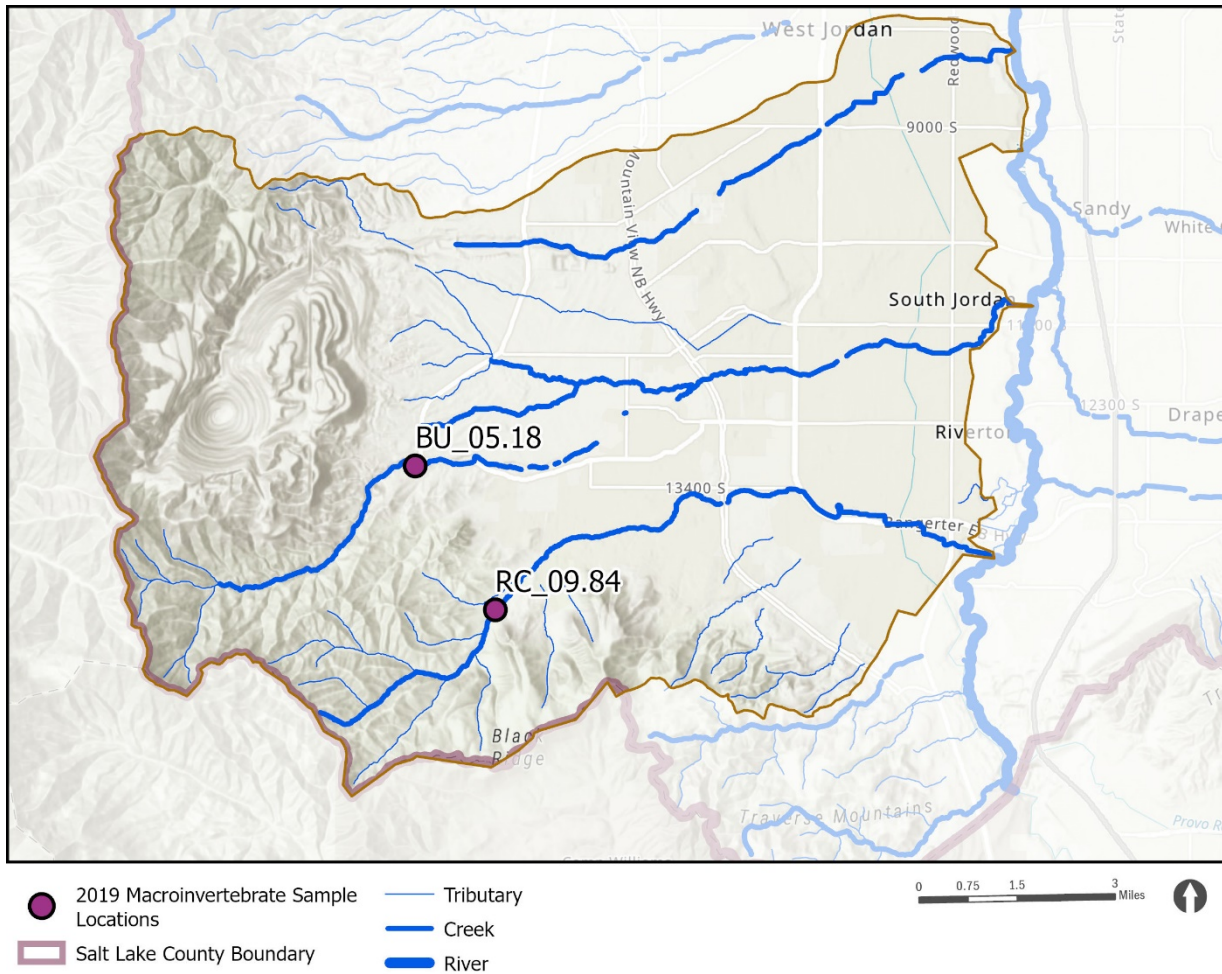


WESTSIDE TRIBUTARIES—ROSE CREEK, MIDAS CREEK, AND BINGHAM CREEK SUBWATERSHEDS

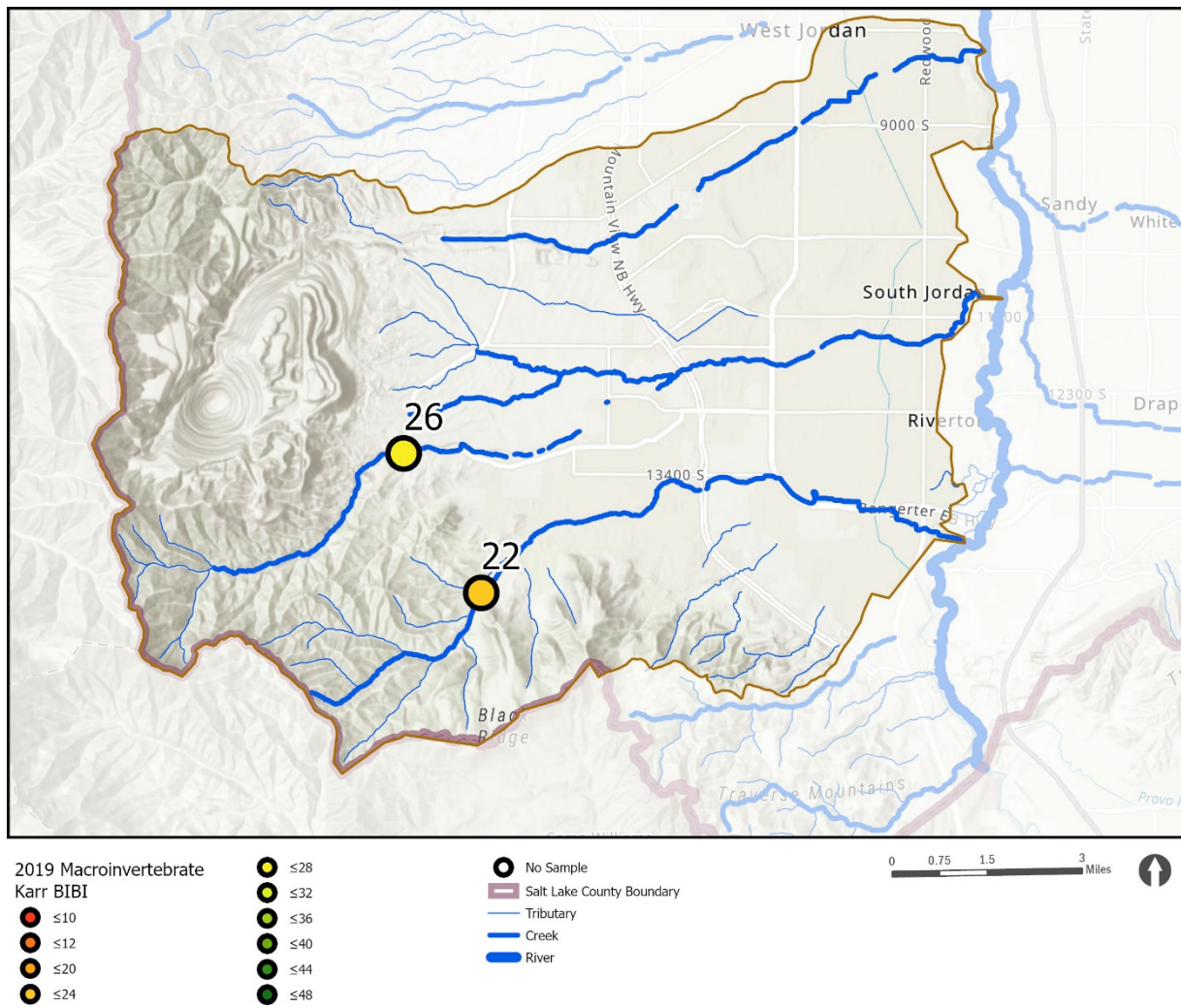
Subwatershed Map with All Sample Sites



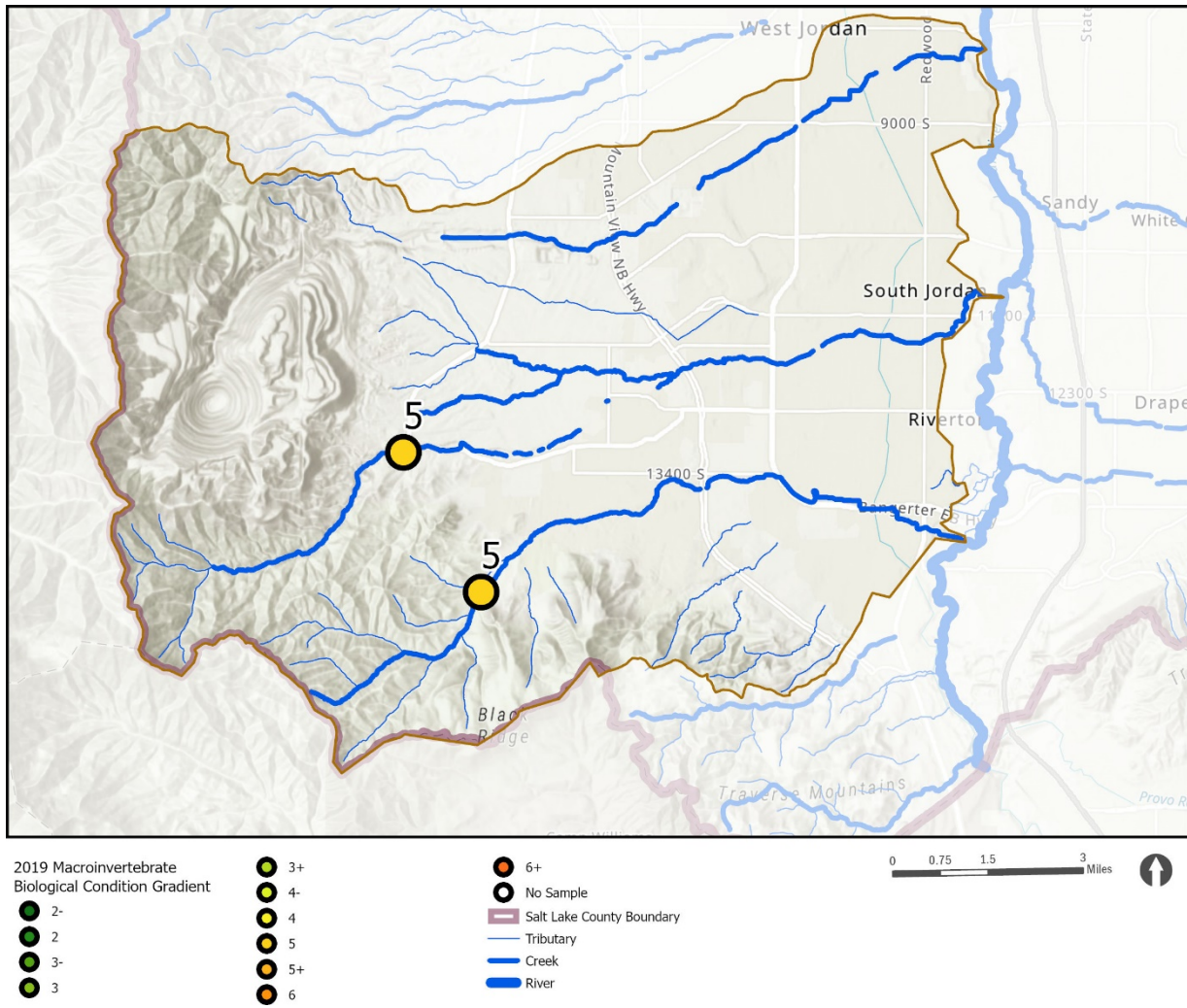
Subwatershed Map with Macroinvertebrate Sample Sites



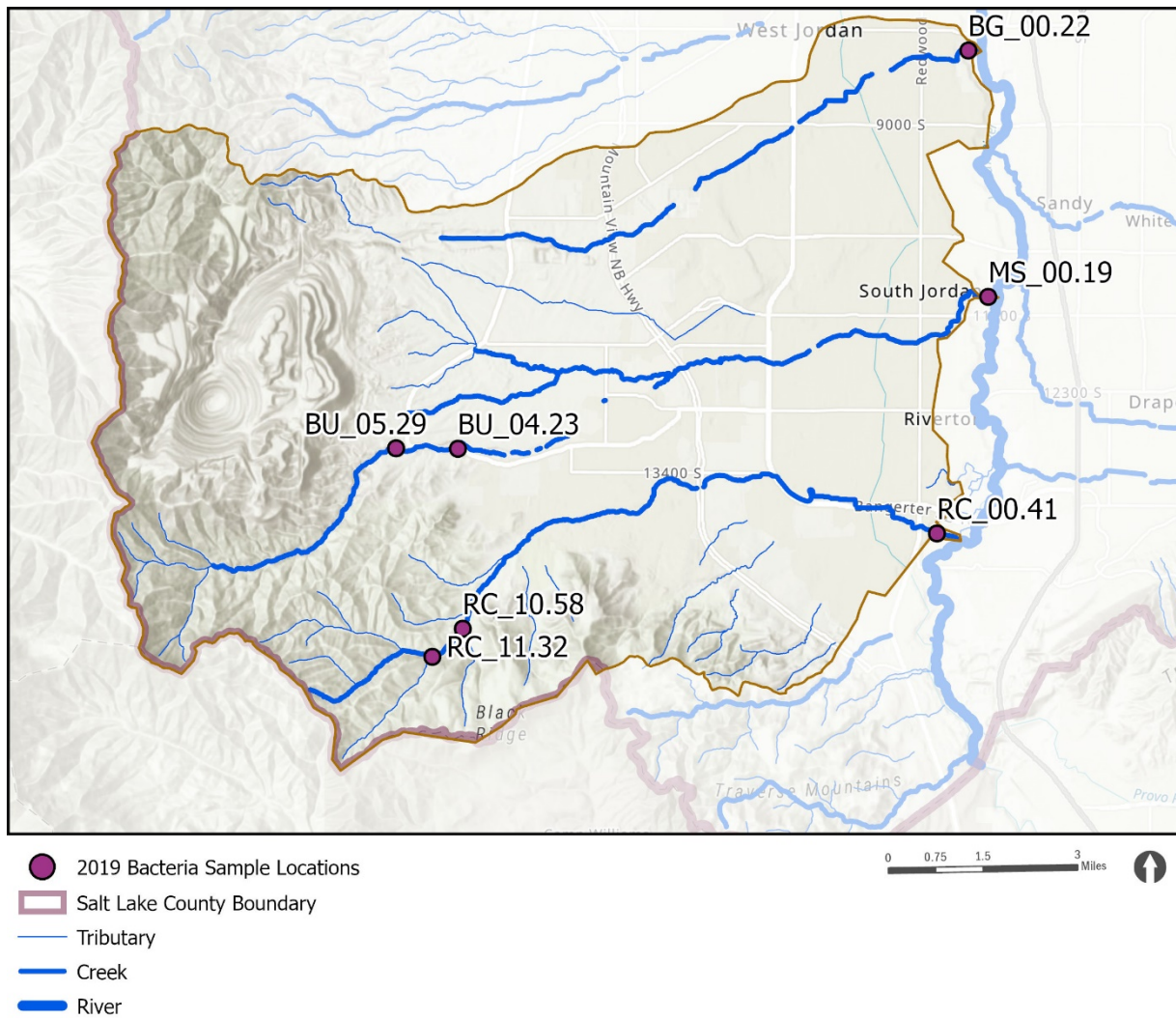
Macroinvertebrate Karr-BIBI Results



Macroinvertebrate Biological Condition Gradient (BCG) Results



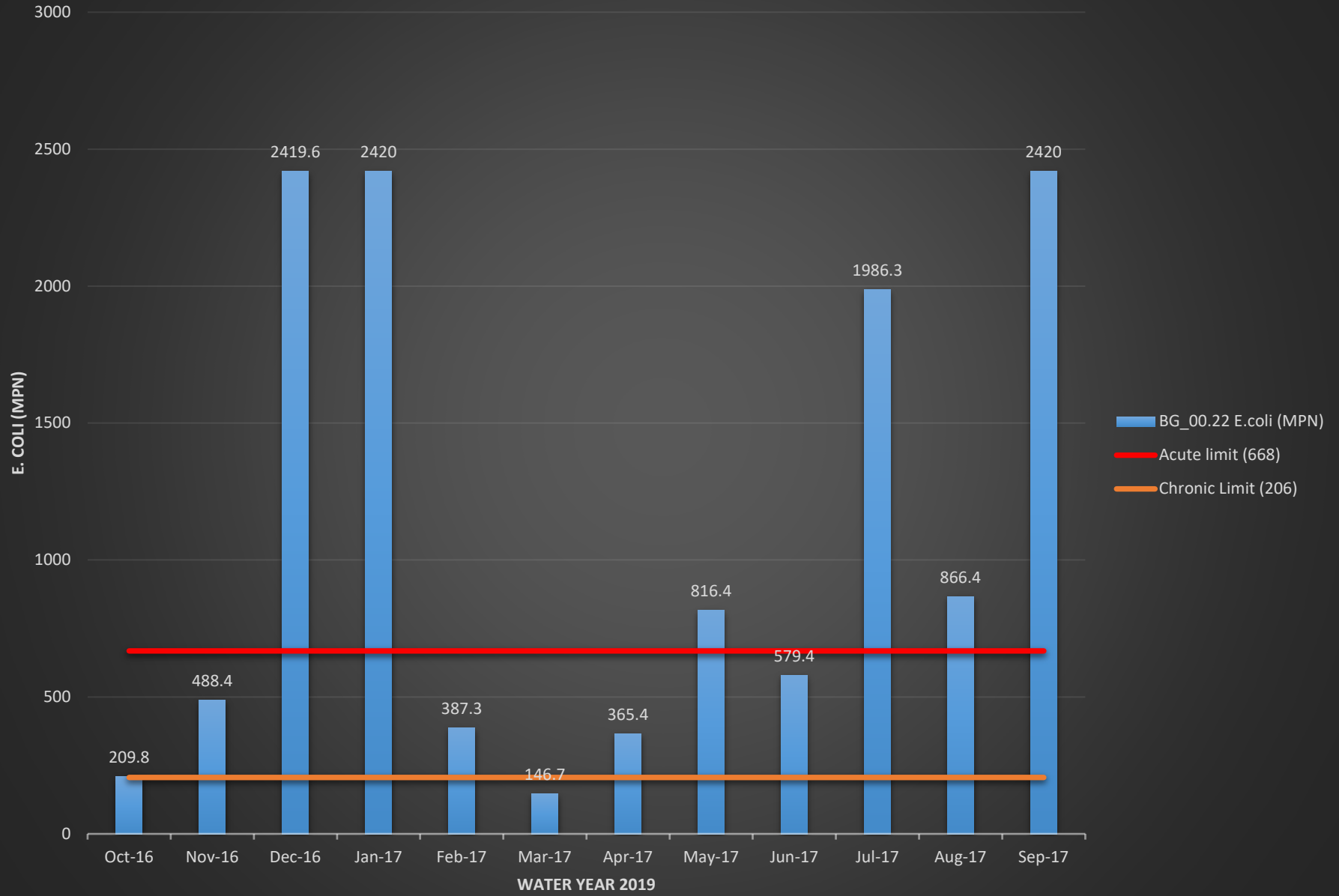
Subwatershed Map with Bacteria Sample Sites



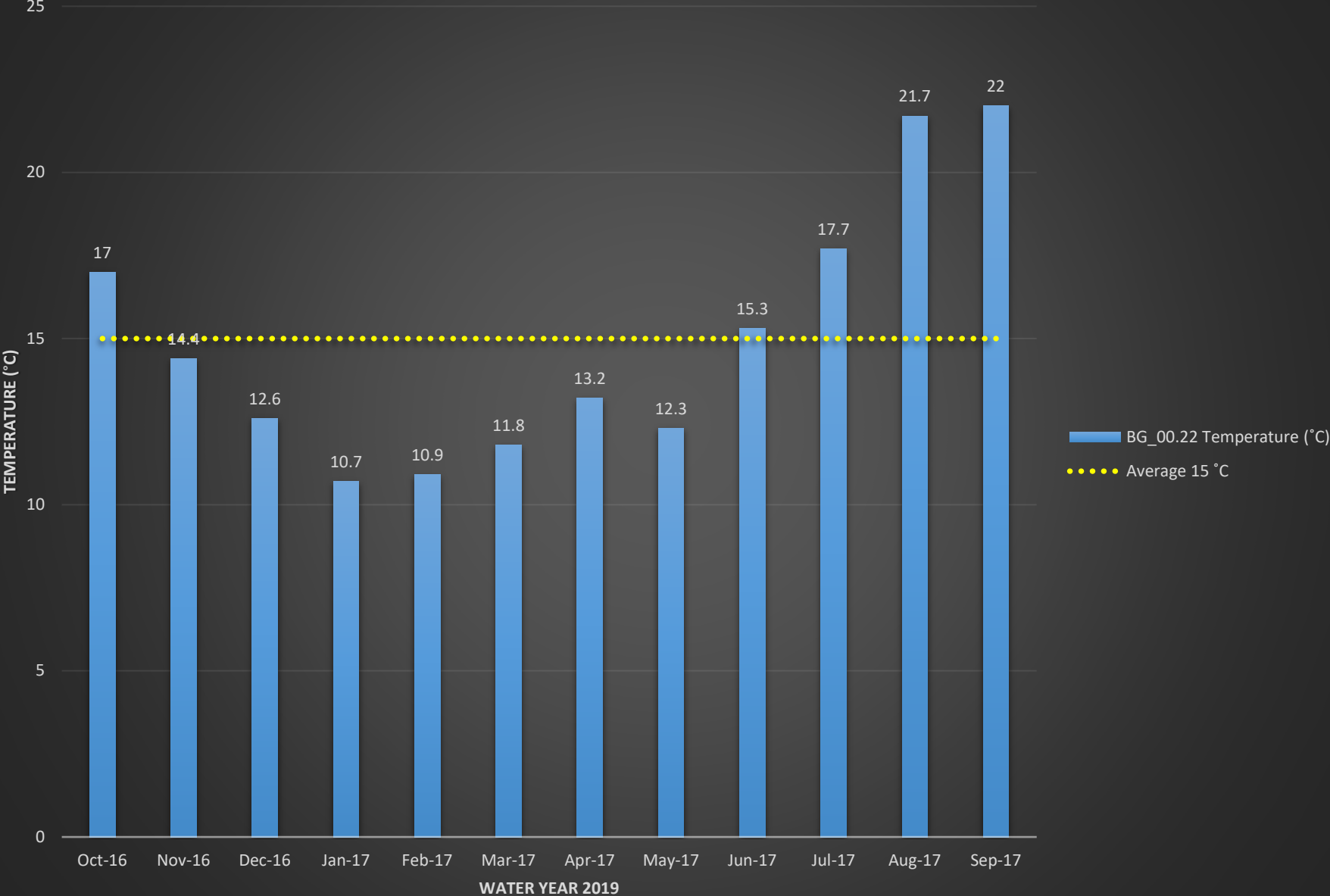
E.coli & Field Parameter Graphs

Graphs begin on next page...

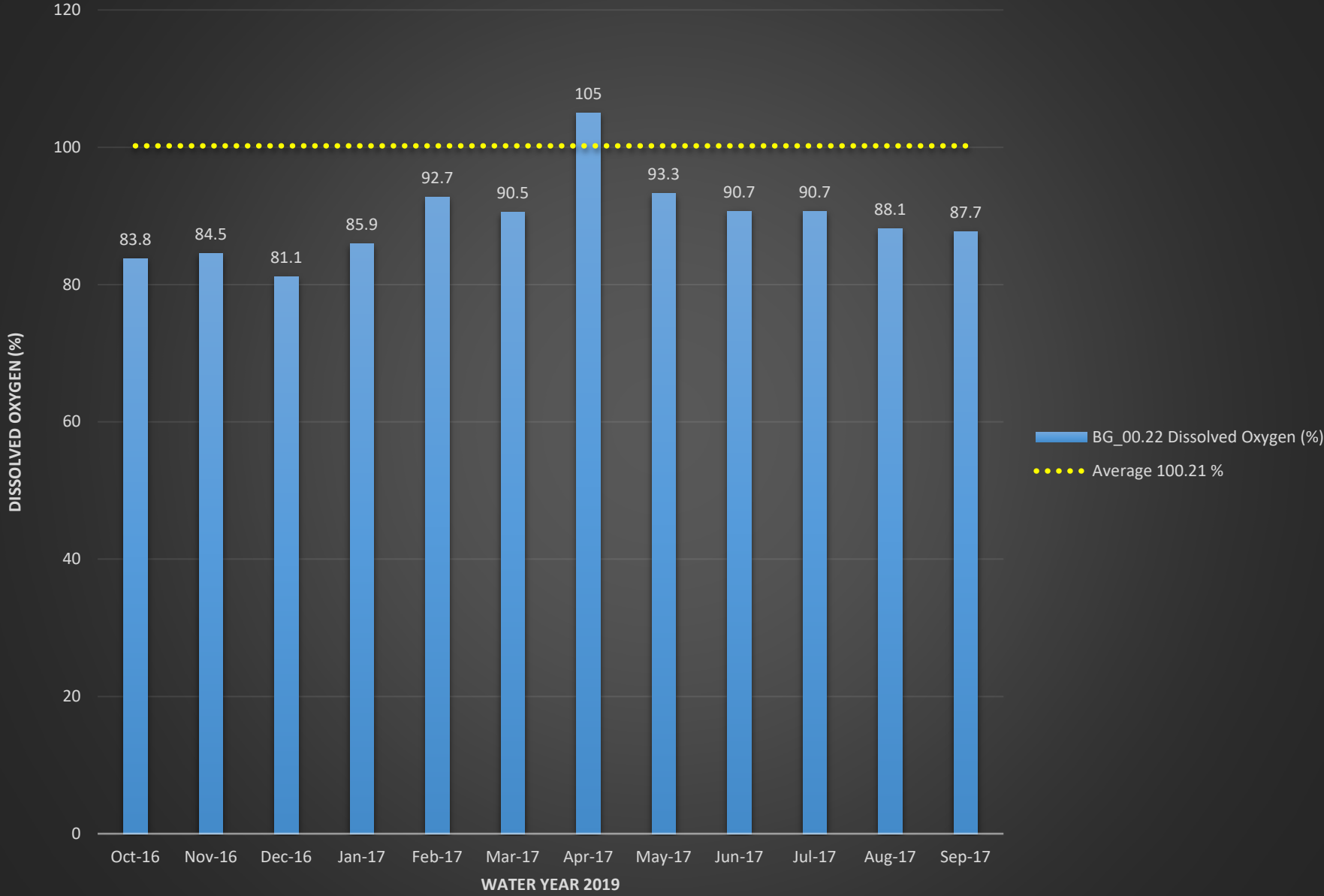
BG_00.22 E.coli (MPN)



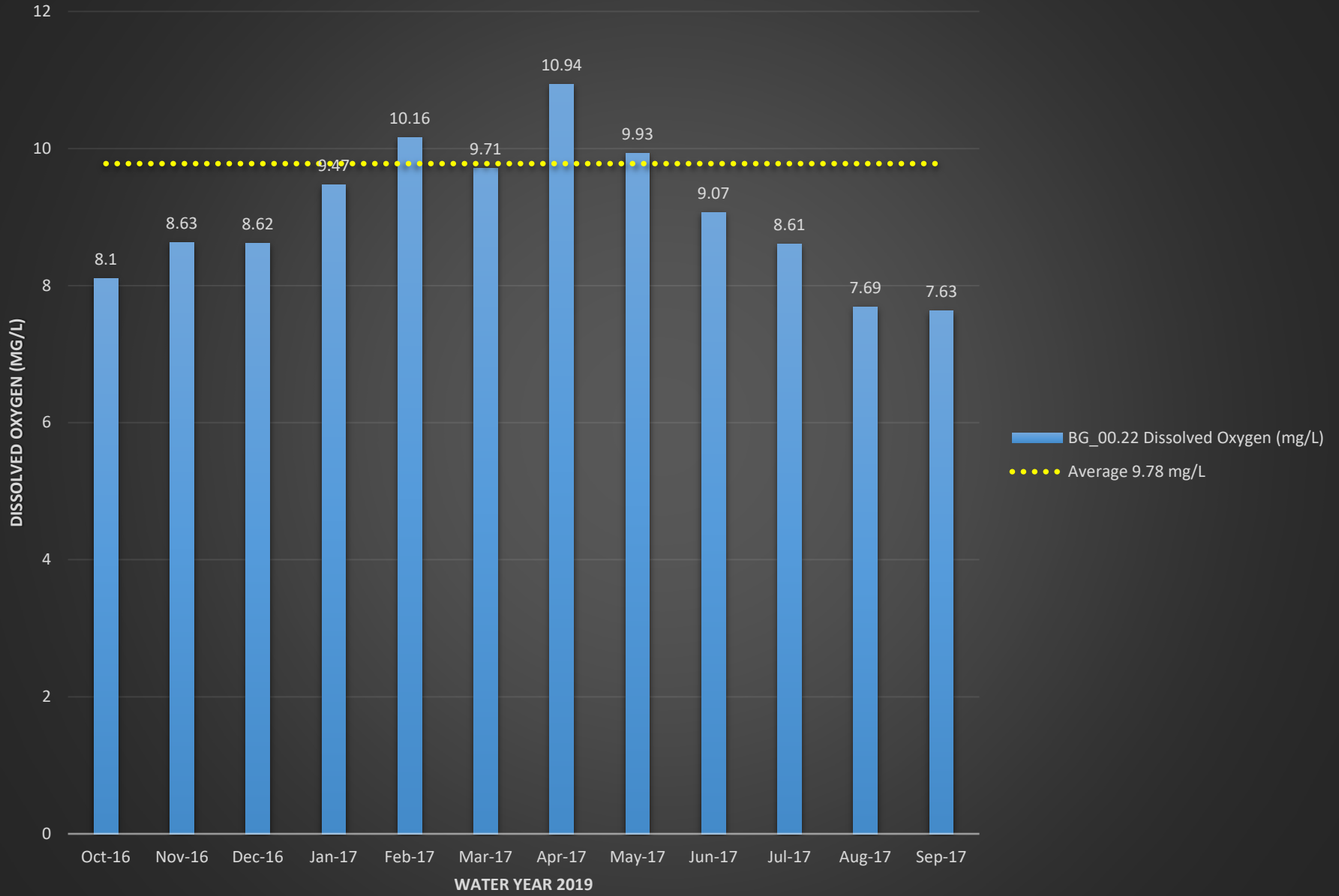
BG_00.22 Temperature (°C)



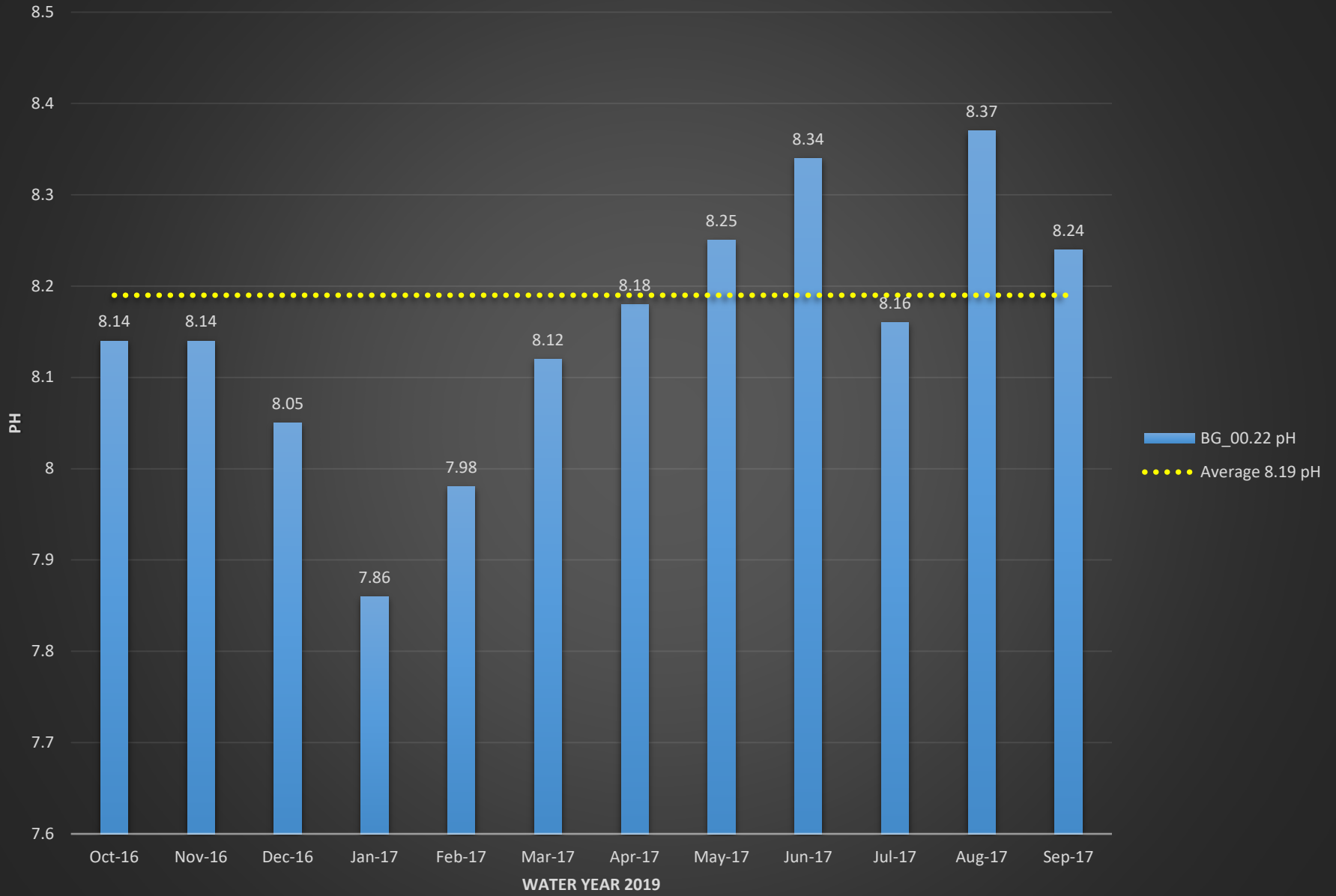
BG_00.22 Dissolved Oxygen (%)



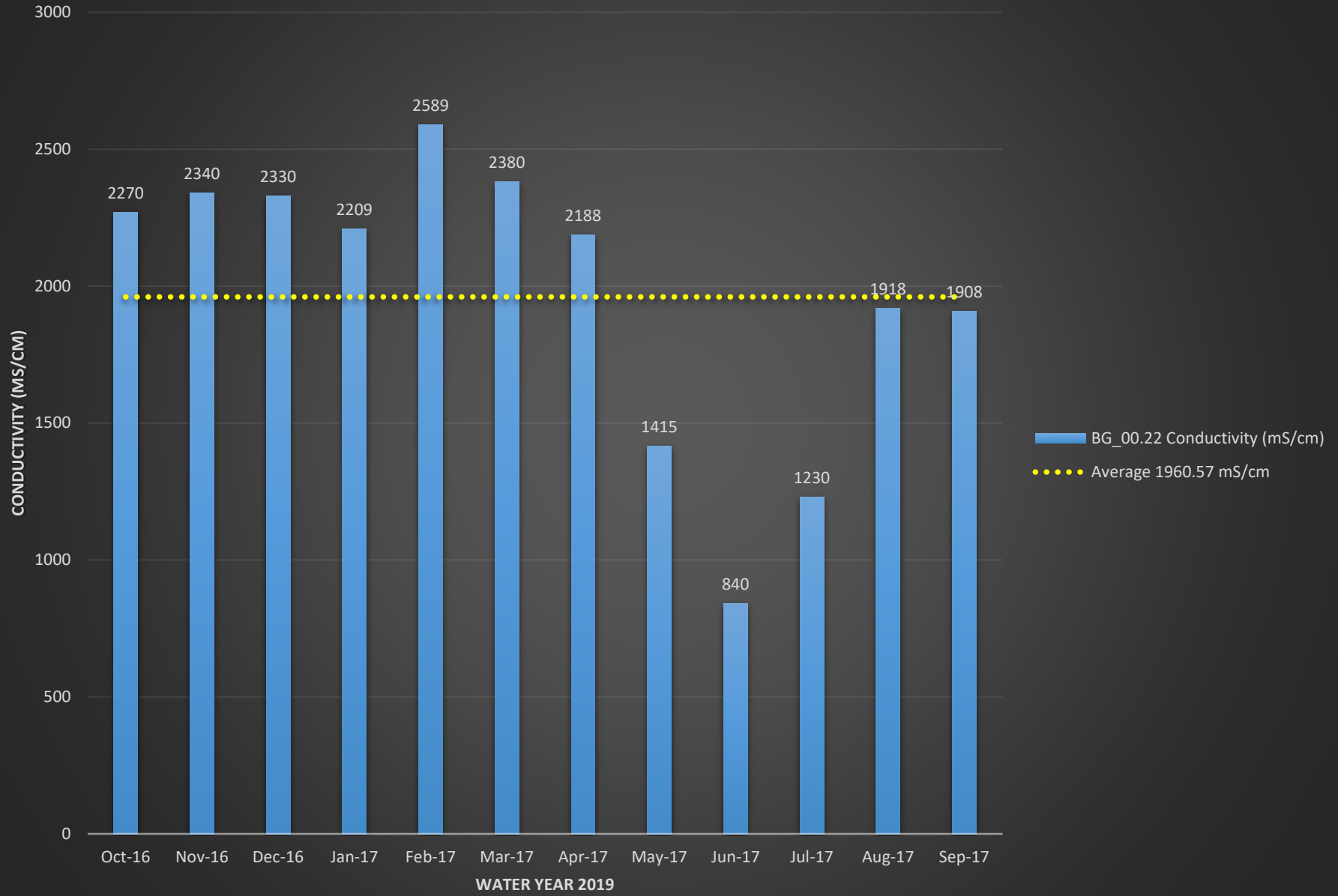
BG_00.22 Dissolved Oxygen (mg/L)



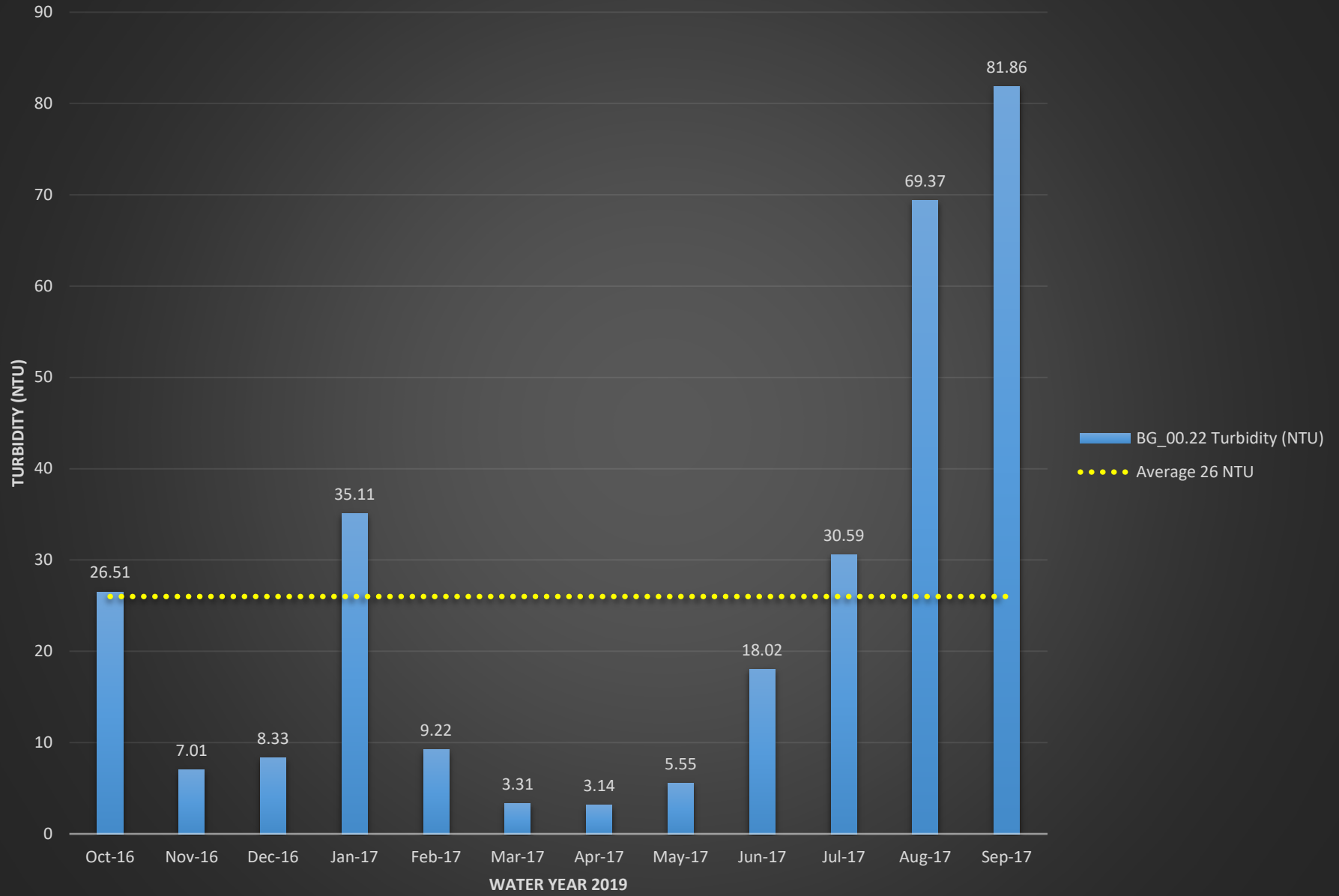
BG_00.22 pH



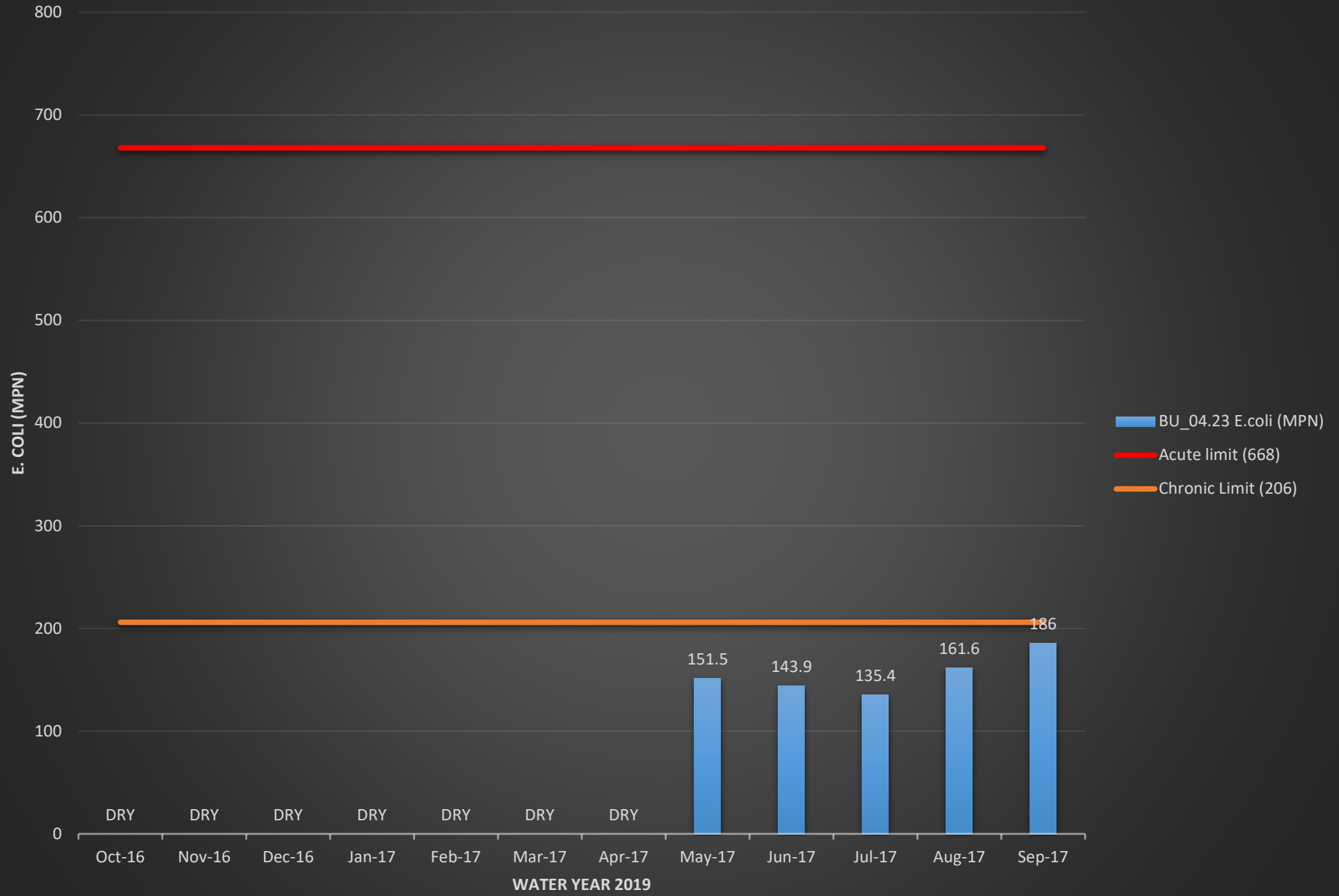
BG_00.22 Conductivity (mS/cm)



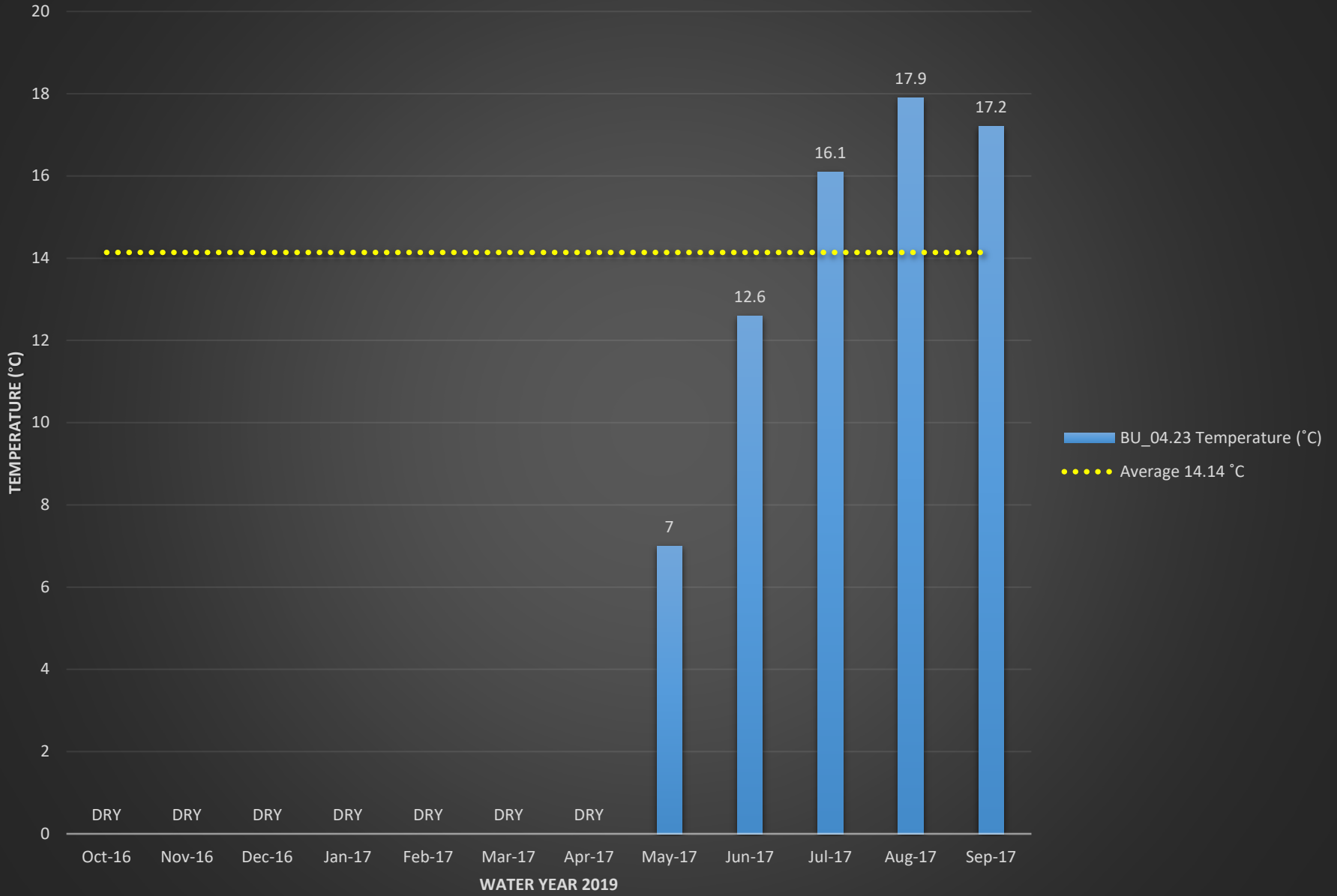
BG_00.22 Turbidity (NTU)



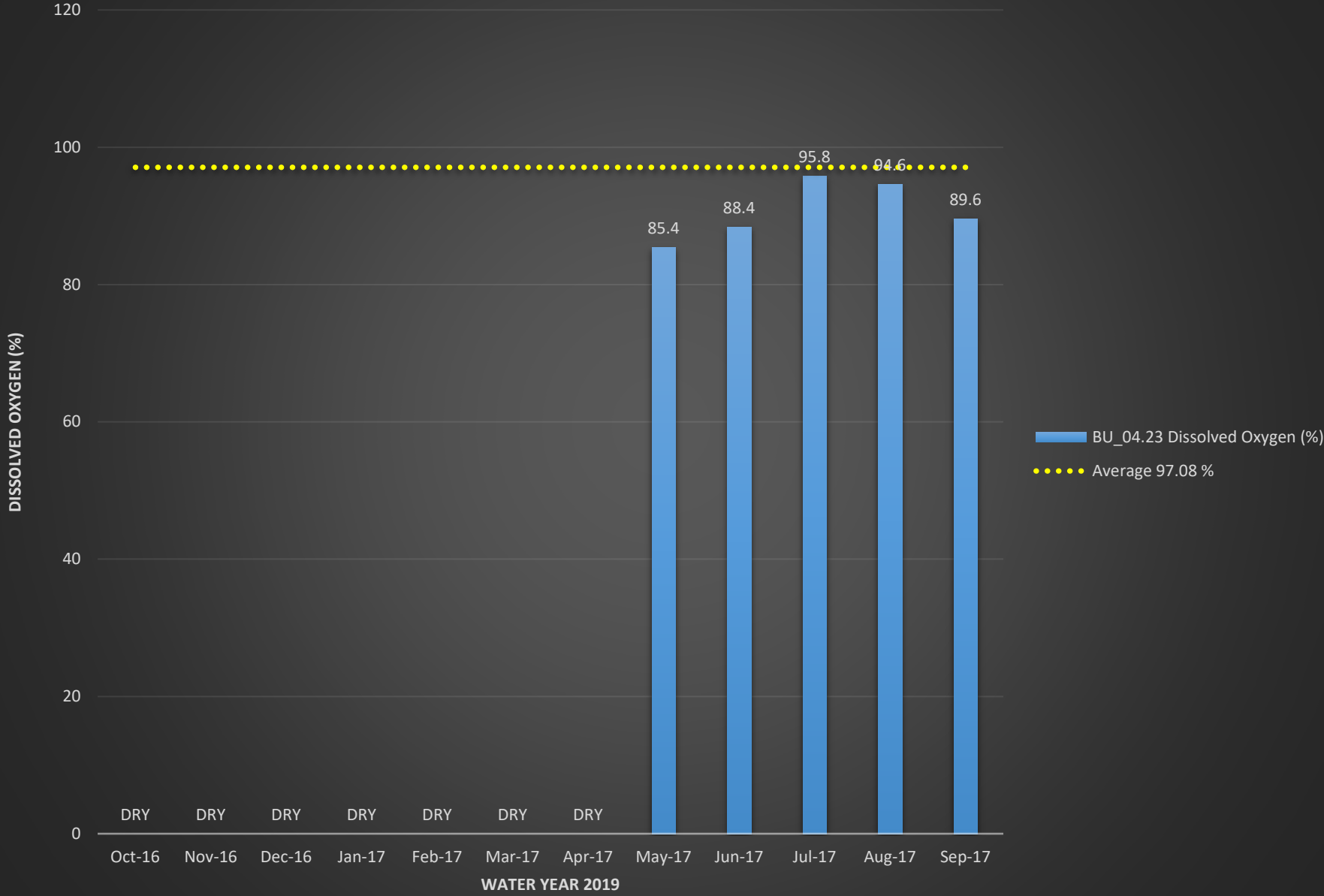
BU_04.23 E.coli (MPN)



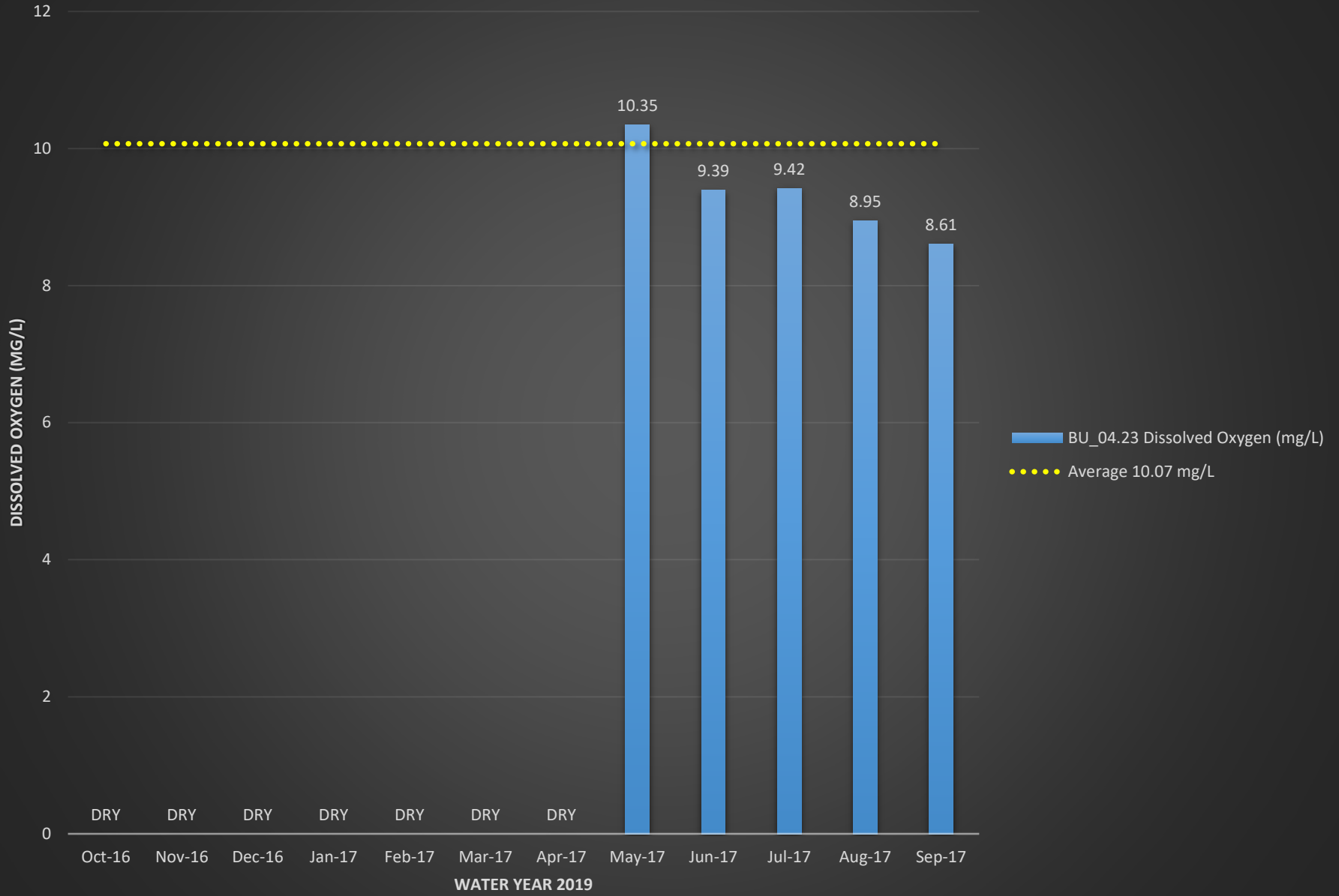
BU_04.23 Temperature (°C)



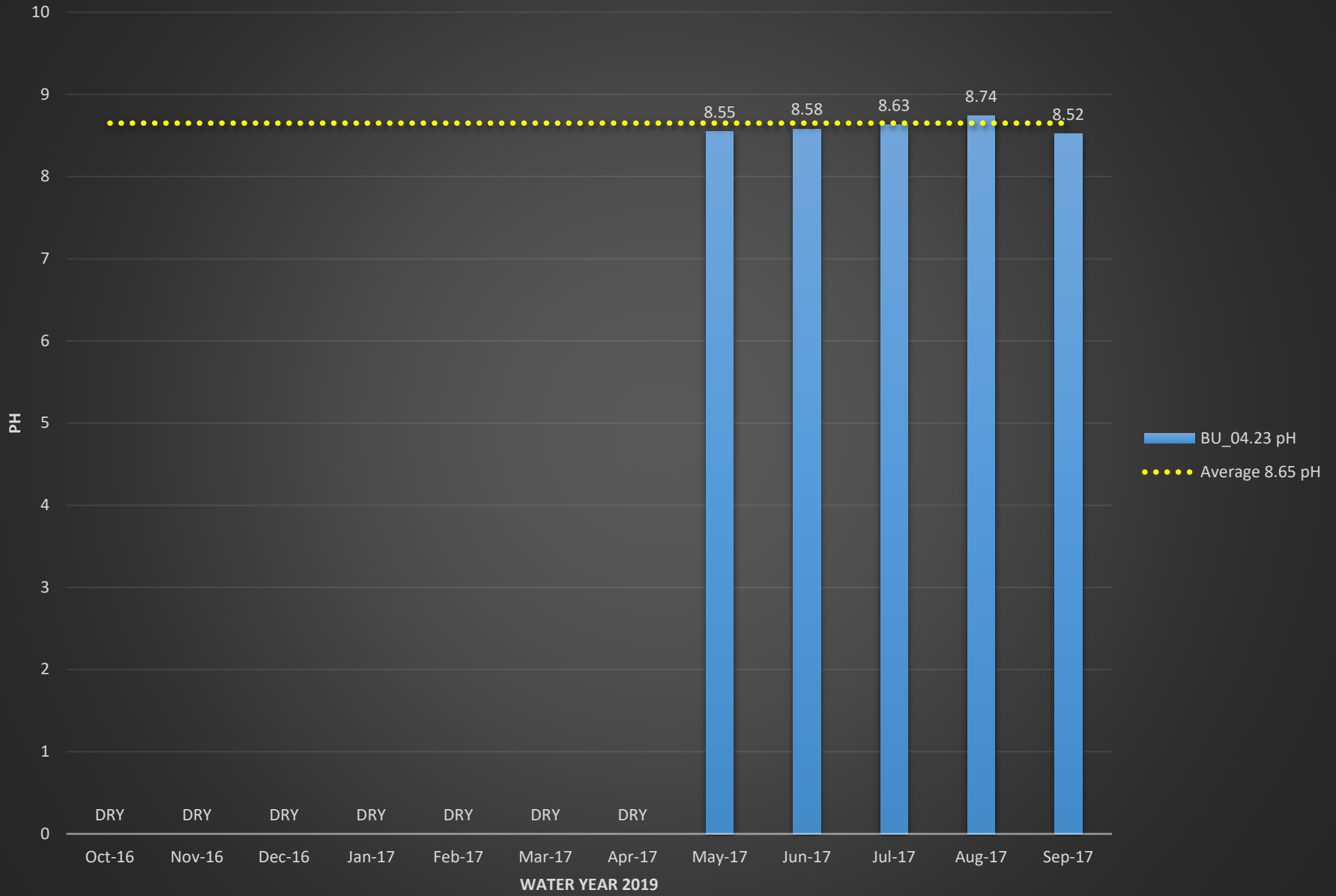
BU_04.23 Dissolved Oxygen (%)



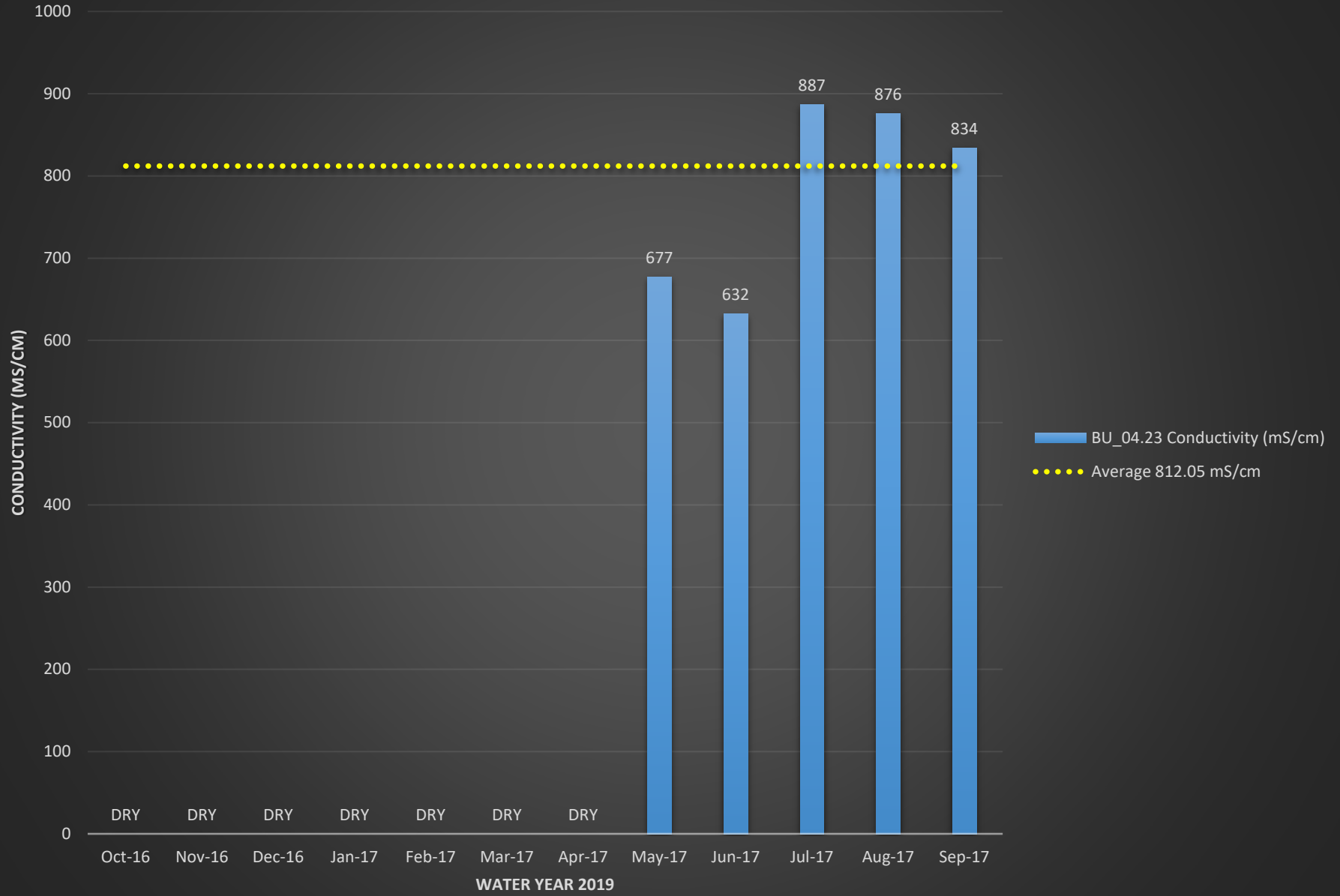
BU_04.23 Dissolved Oxygen (mg/L)



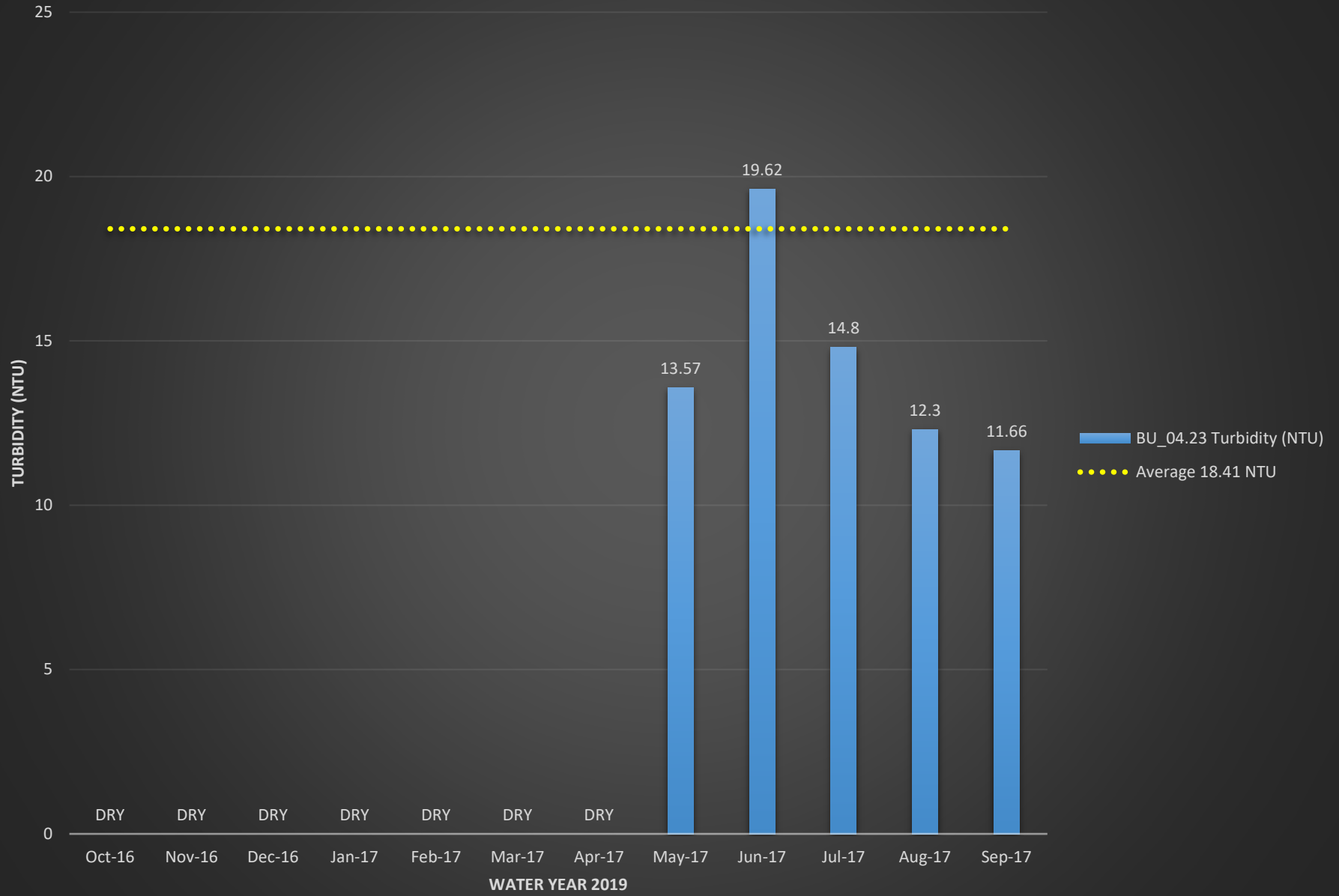
BU_04.23 pH



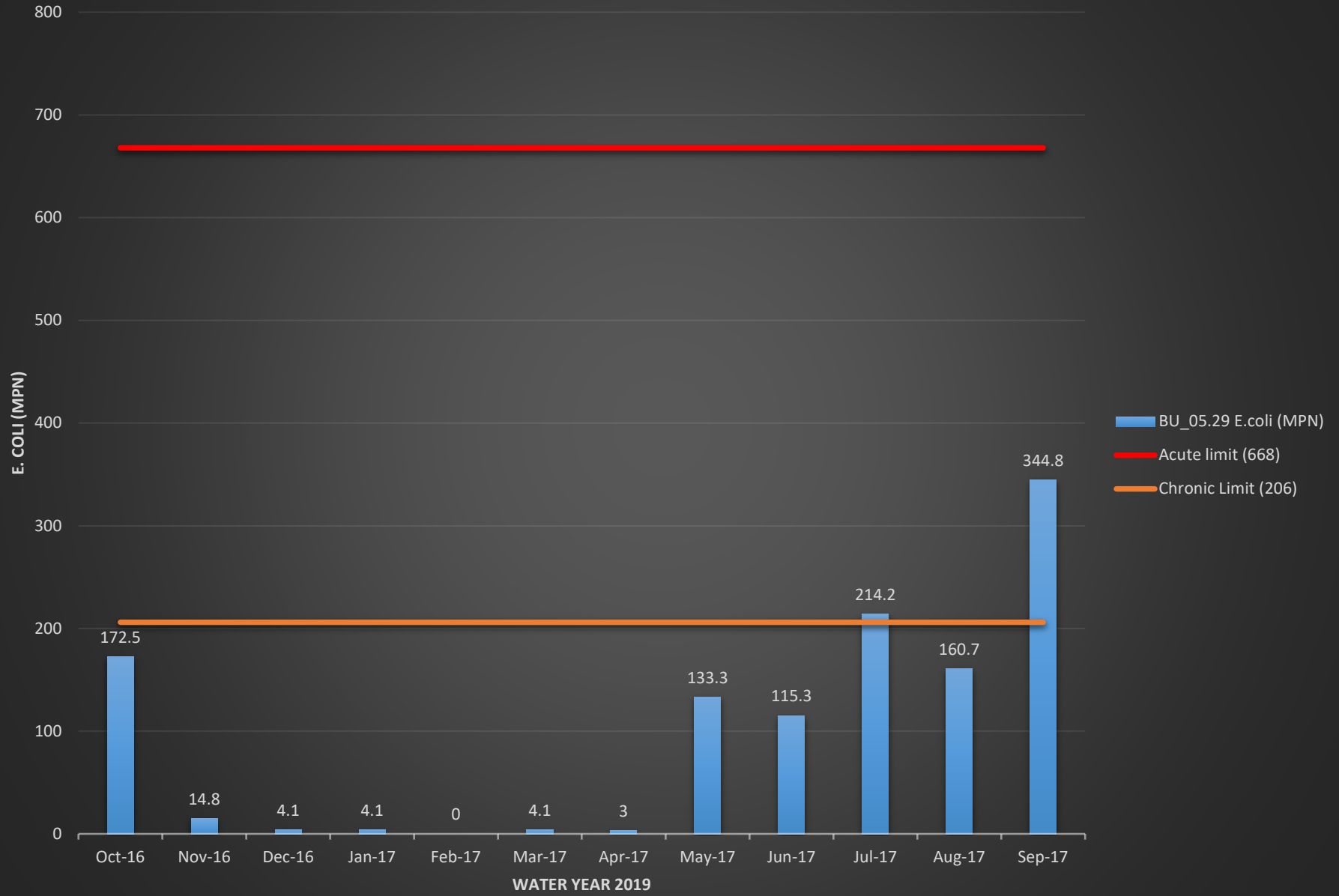
BU_04.23 Conductivity (mS/cm)



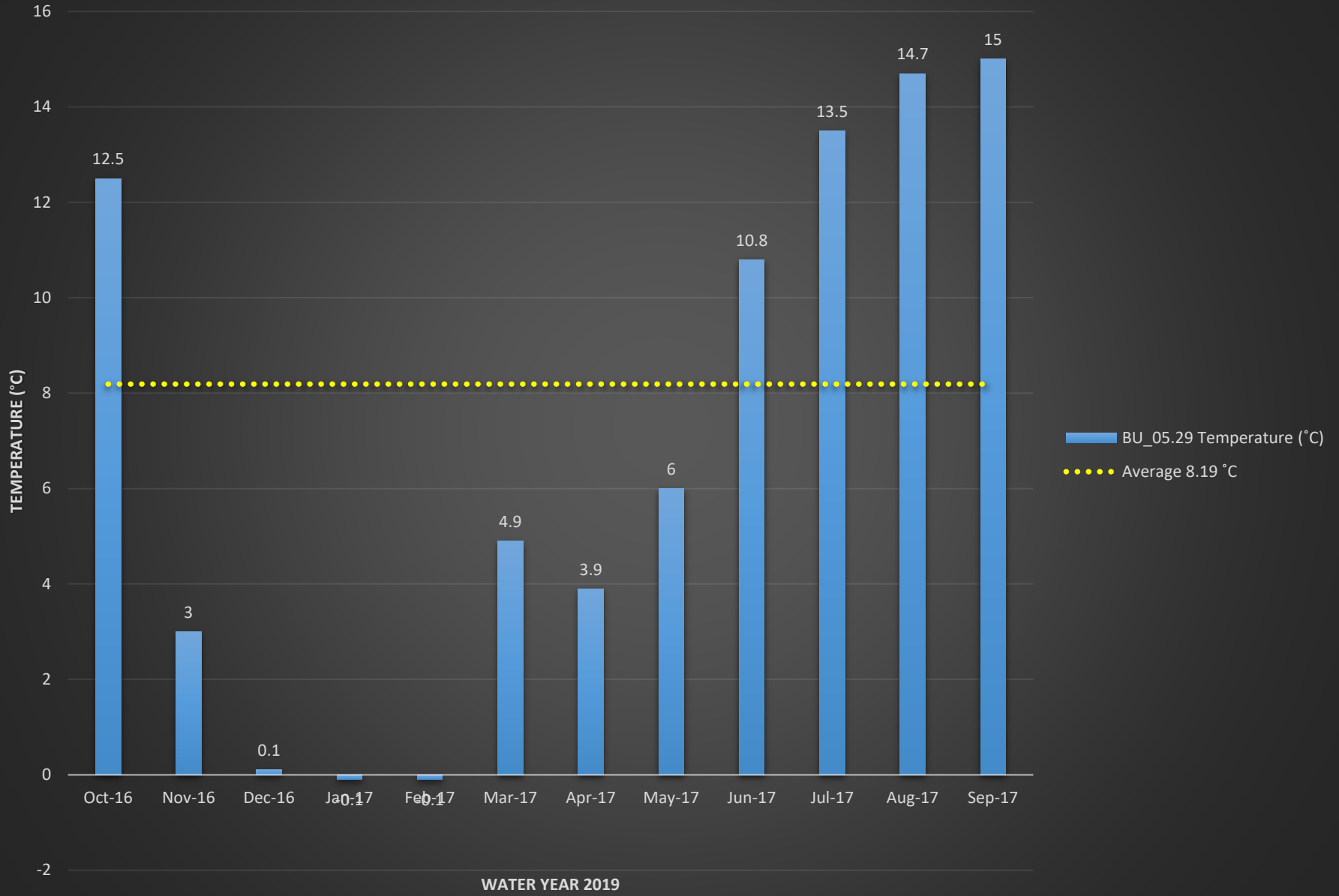
BU_04.23 Turbidity (NTU)



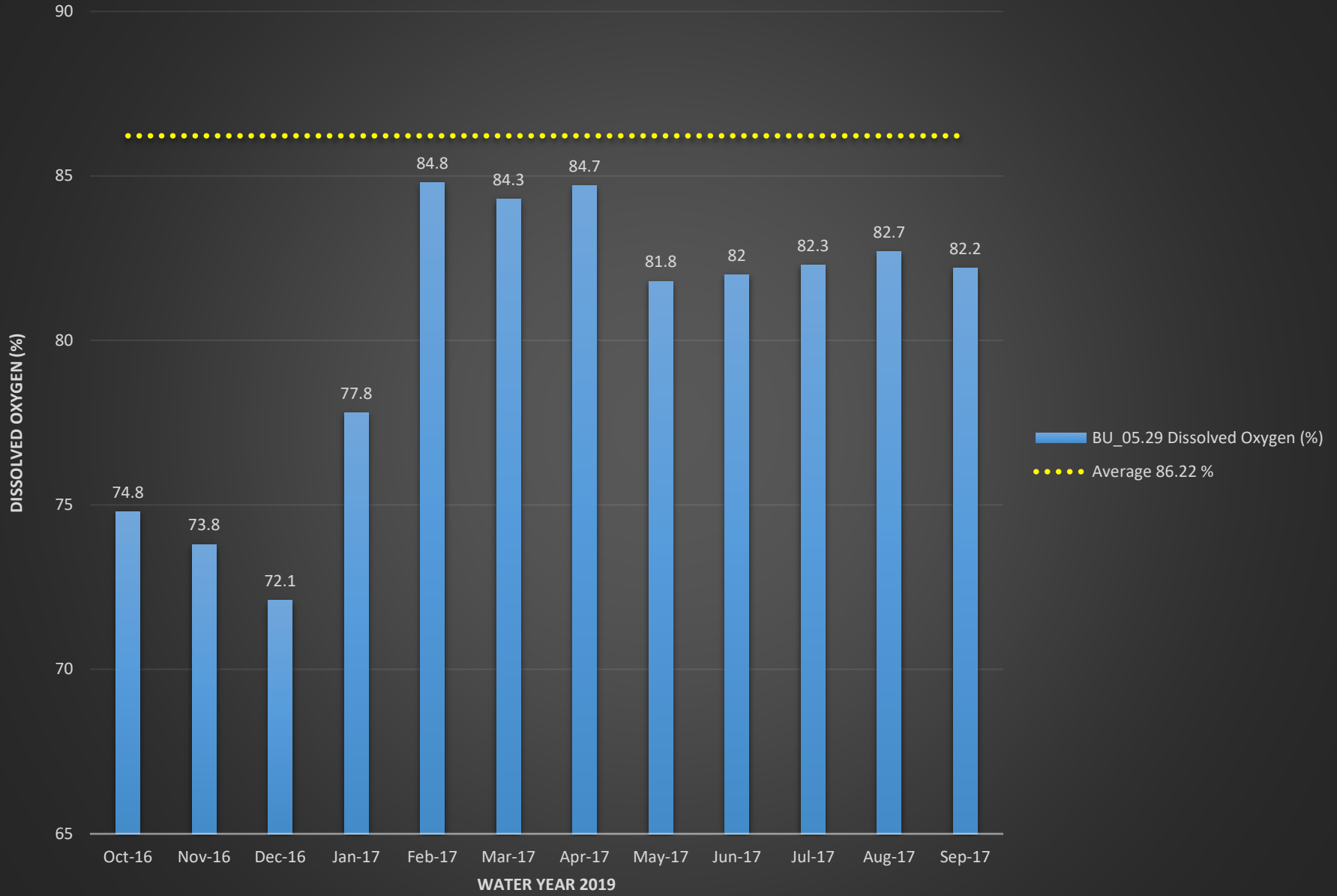
BU_05.29 E.coli (MPN)



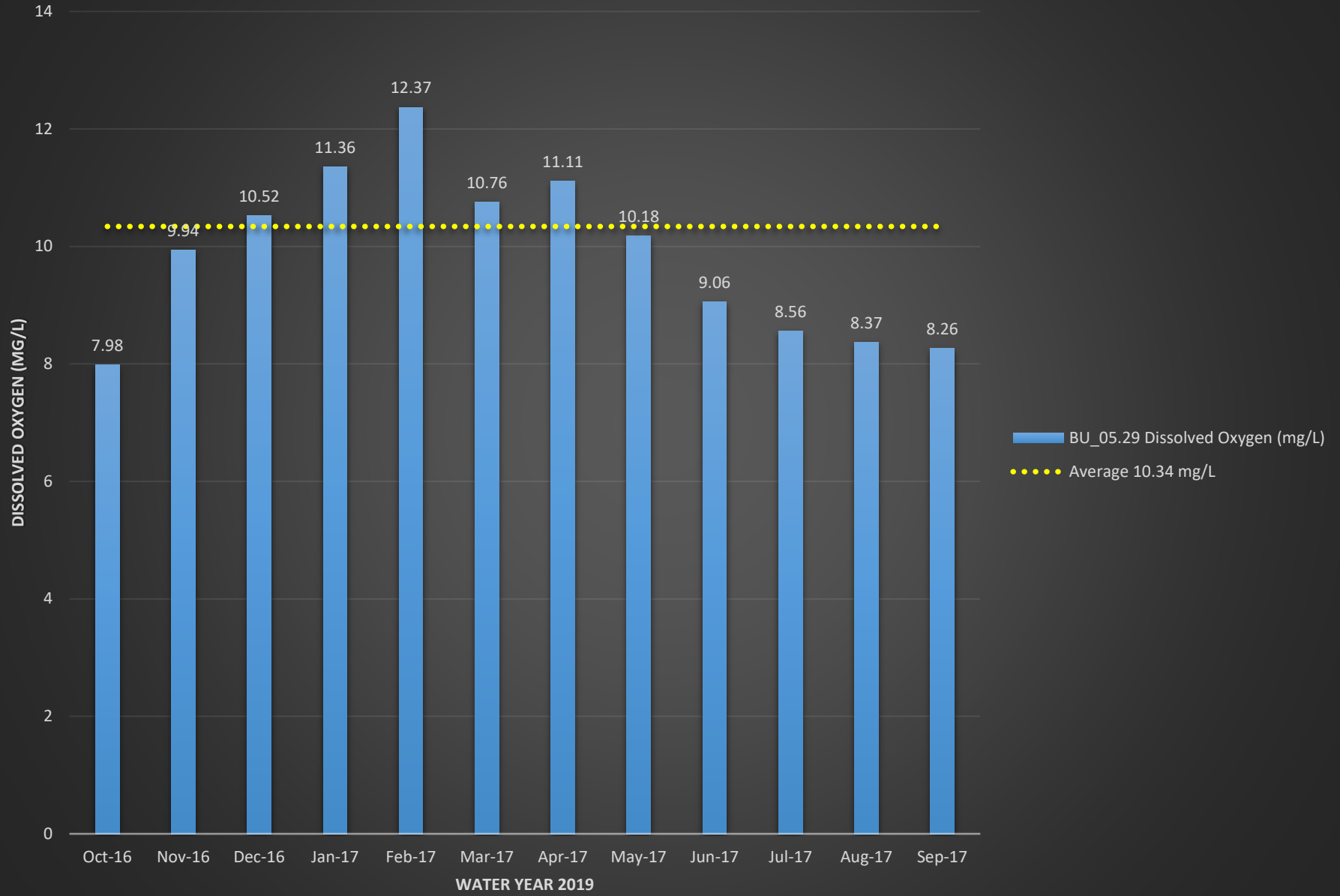
BU_05.29 Temperature (°C)



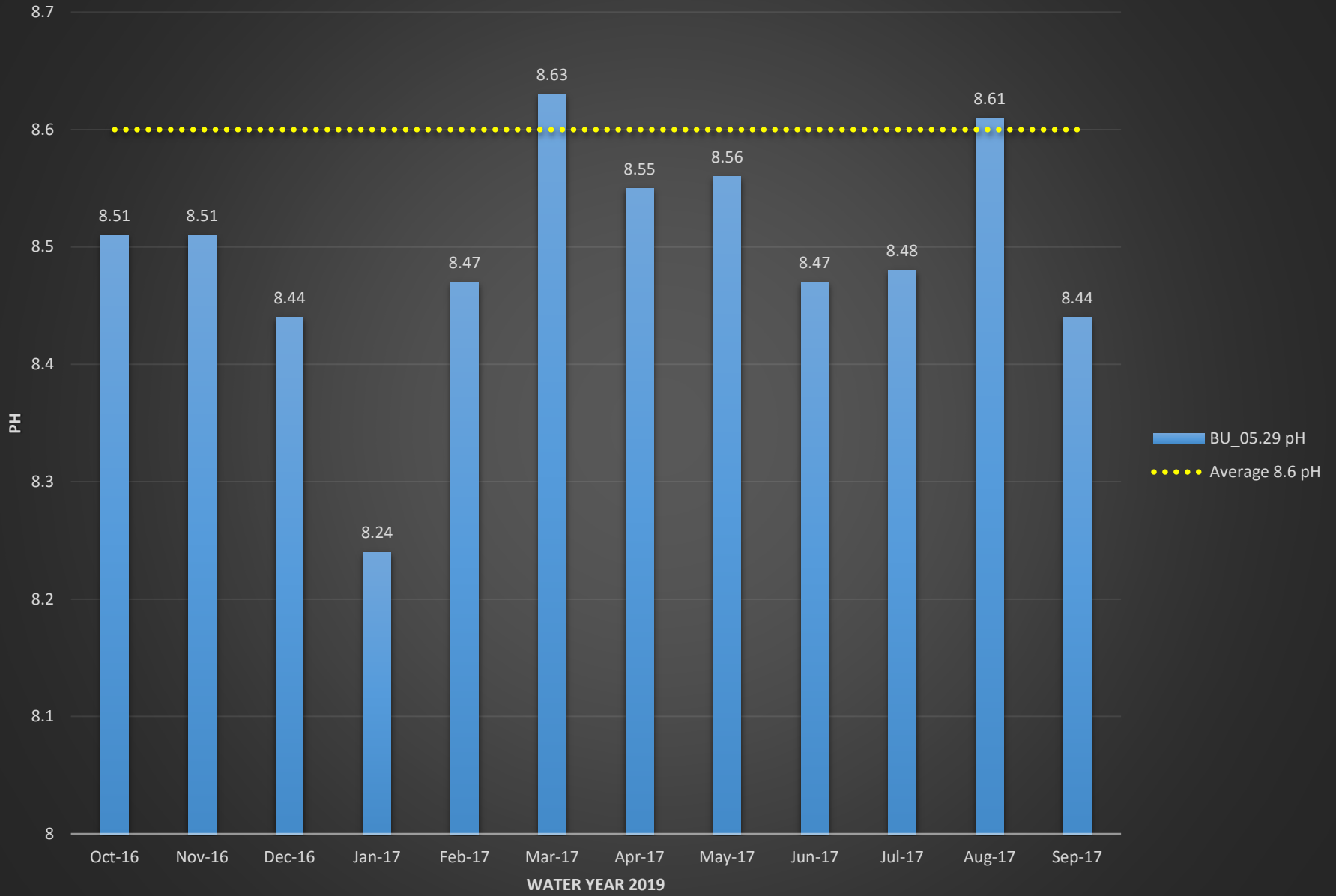
BU_05.29 Dissolved Oxygen (%)



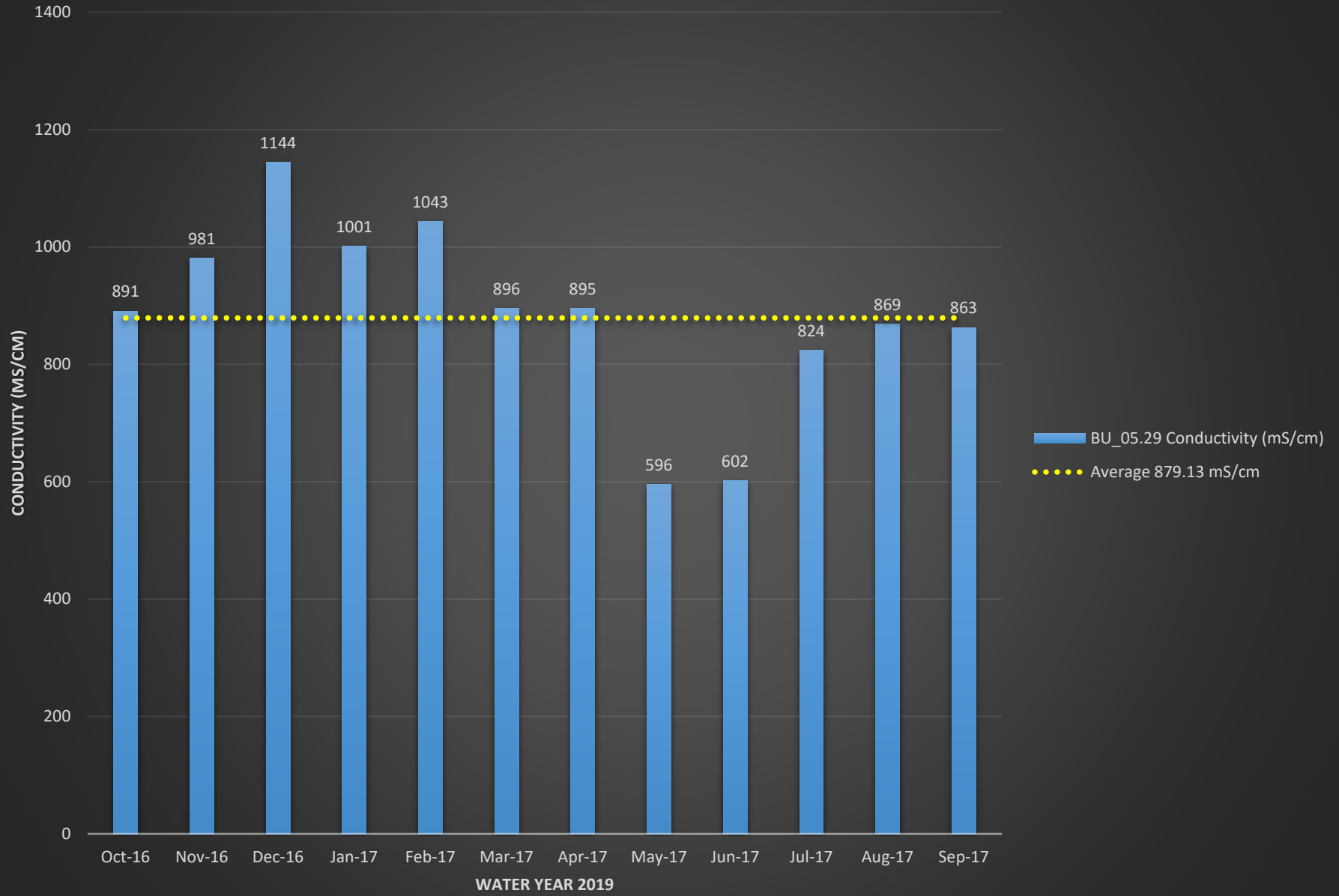
BU_05.29 Dissolved Oxygen (mg/L)



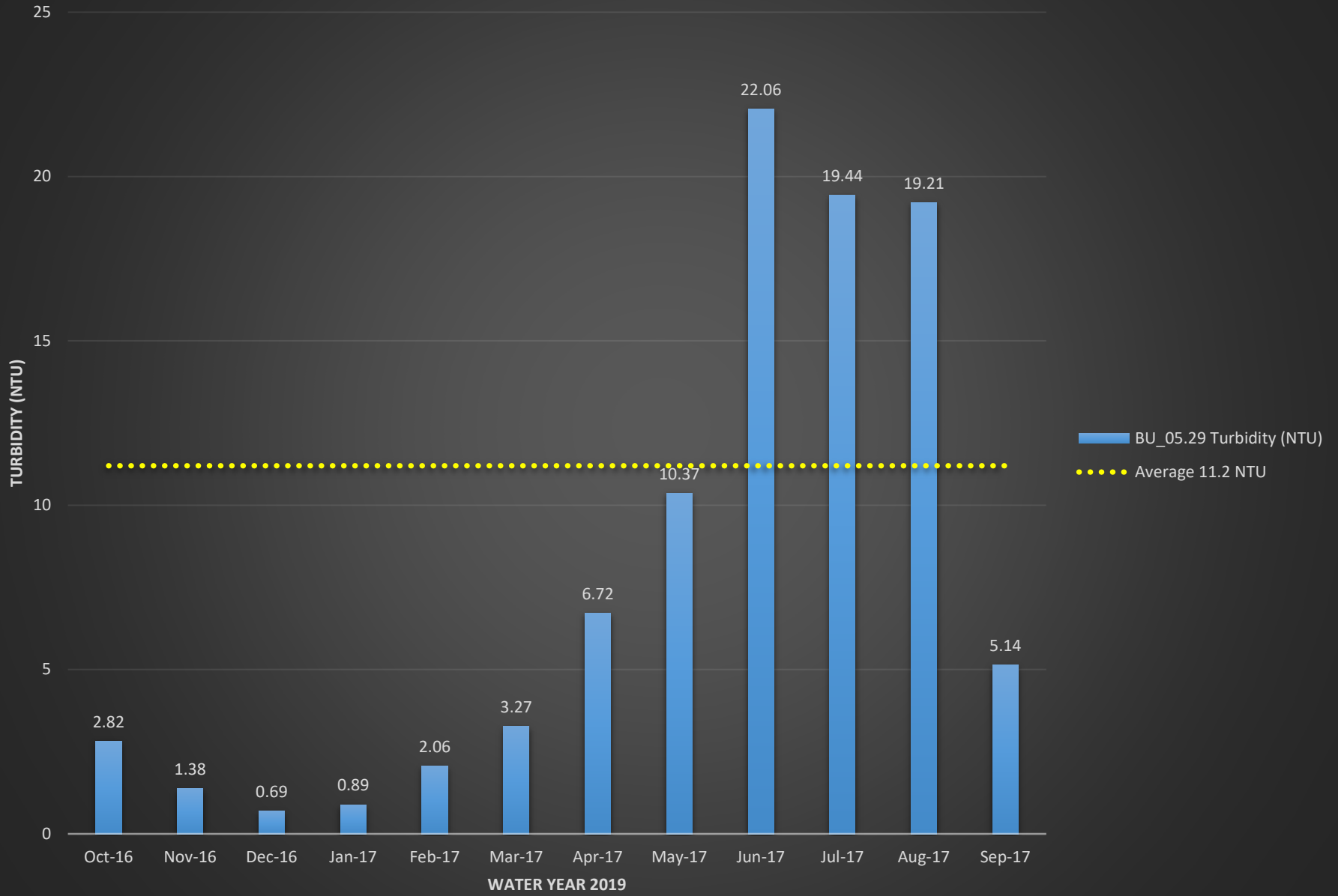
BU_05.29 pH



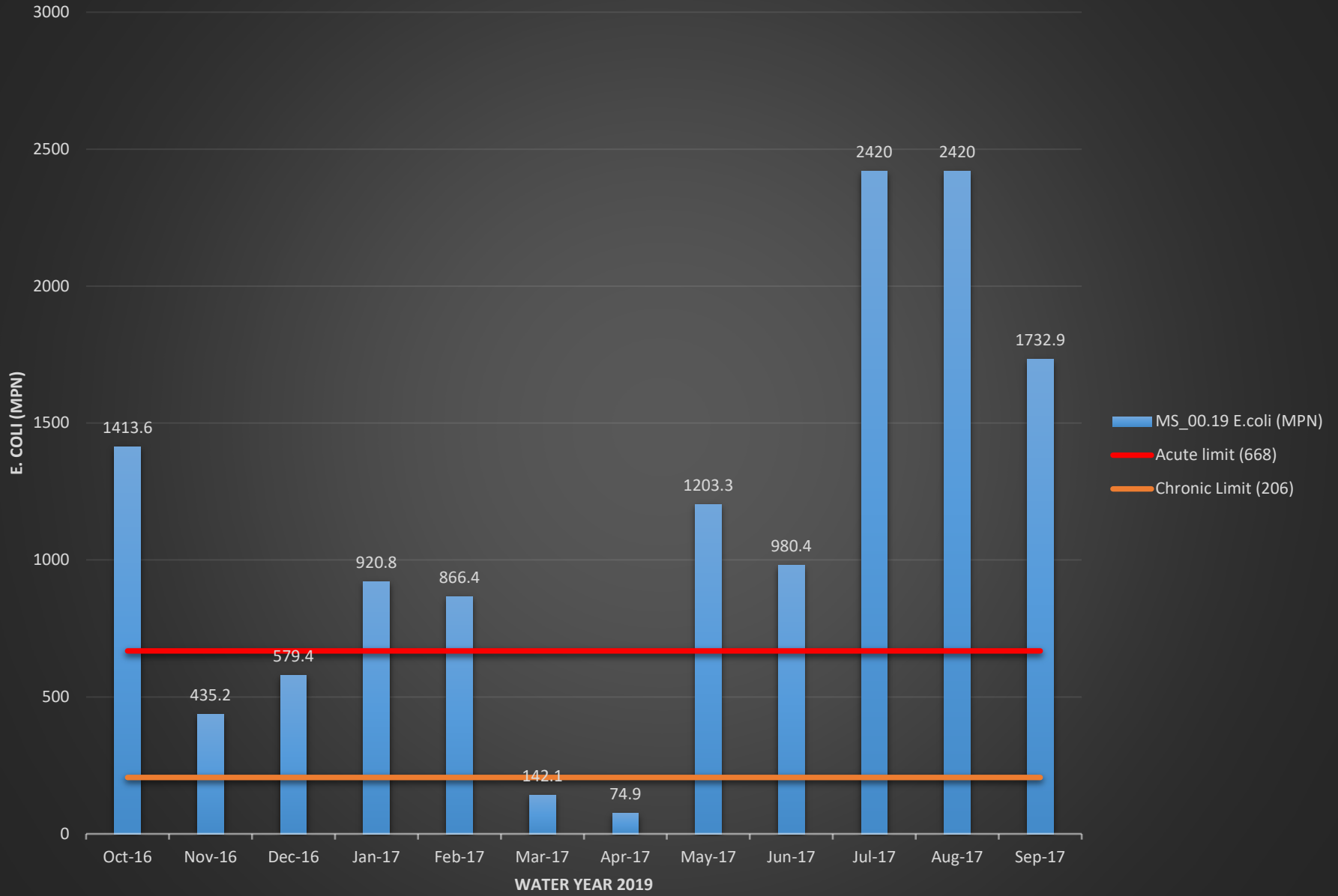
BU_05.29 Conductivity (mS/cm)



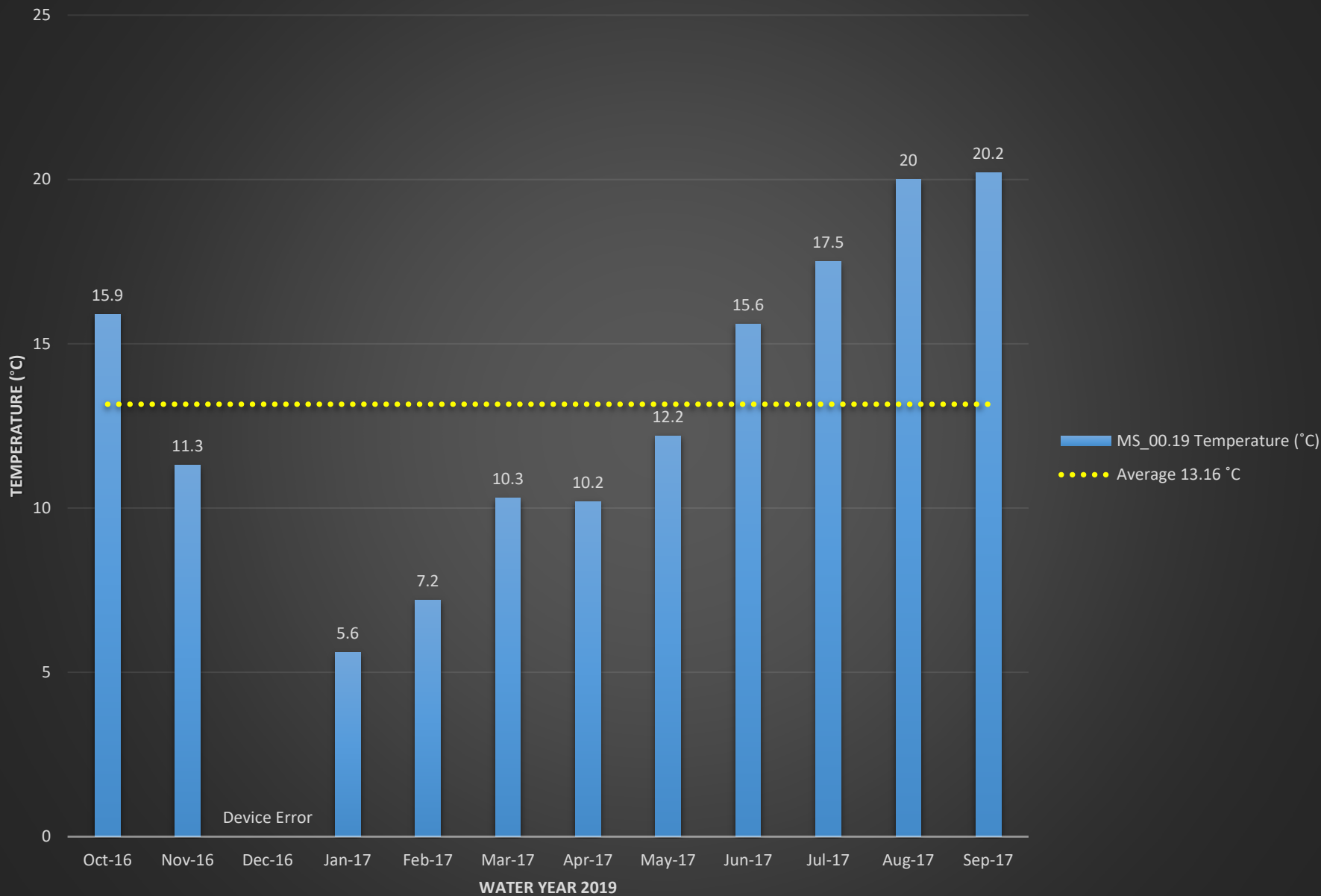
BU_05.29 Turbidity (NTU)



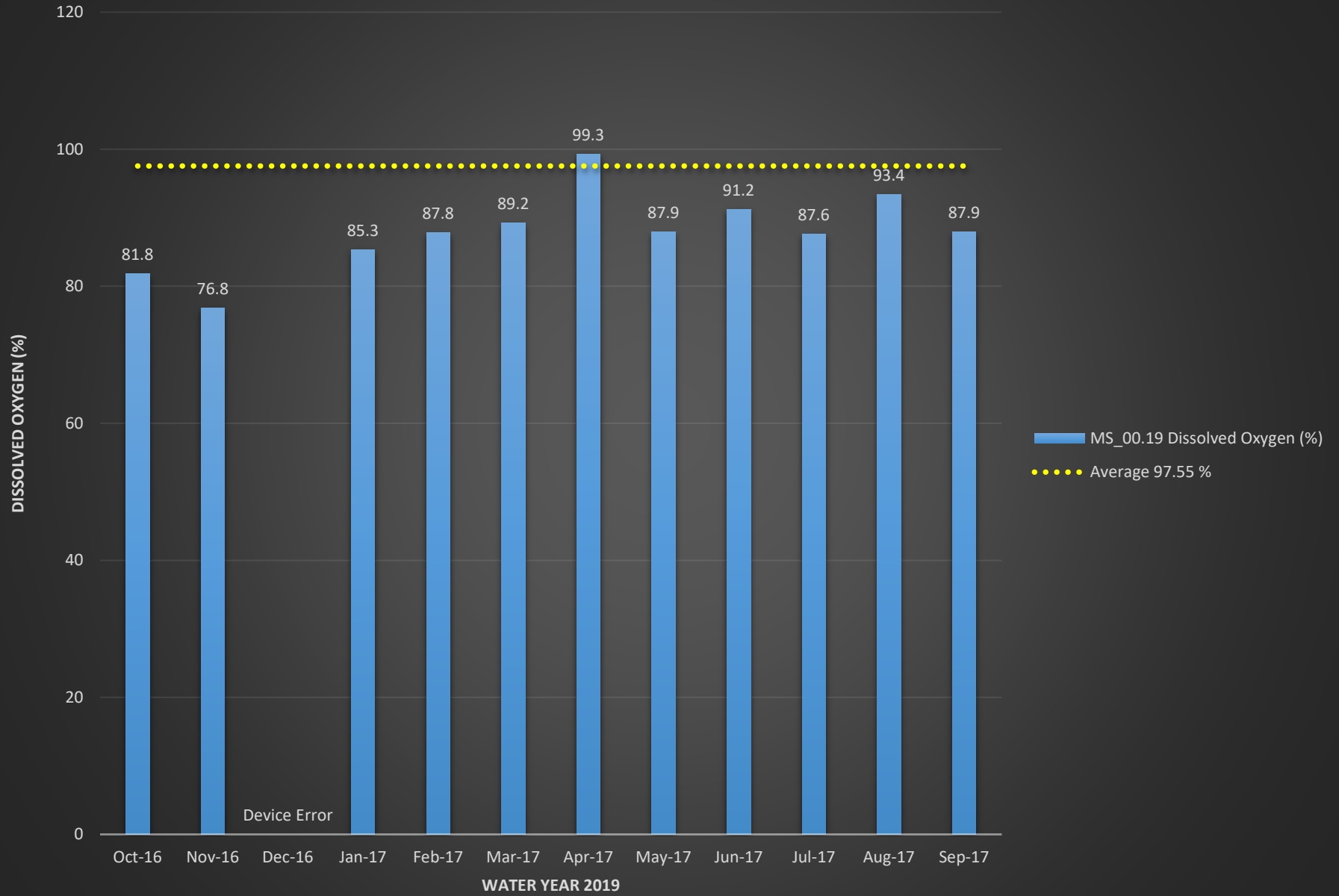
MS_00.19 E.coli (MPN)



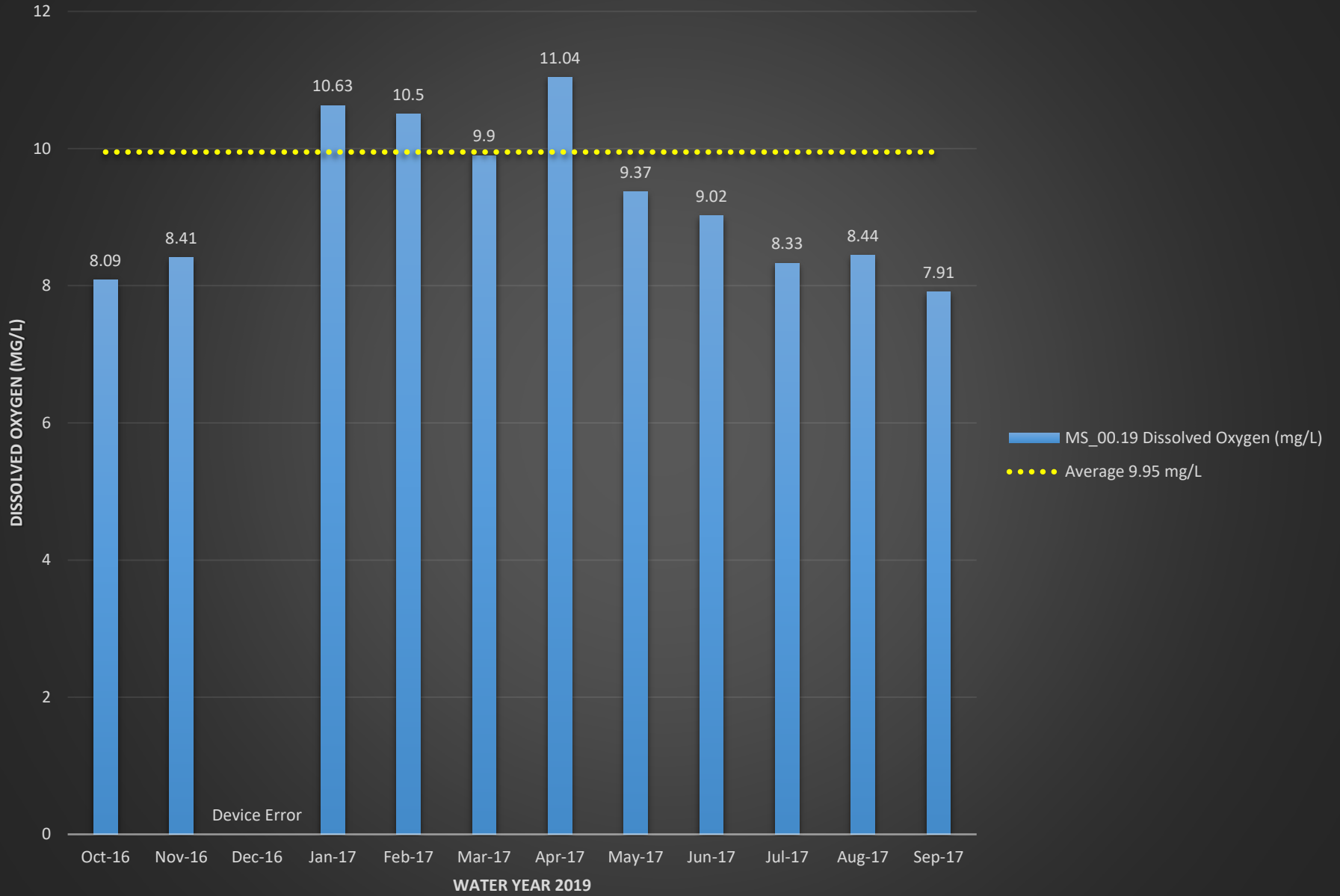
MS_00.19 Temperature (°C)



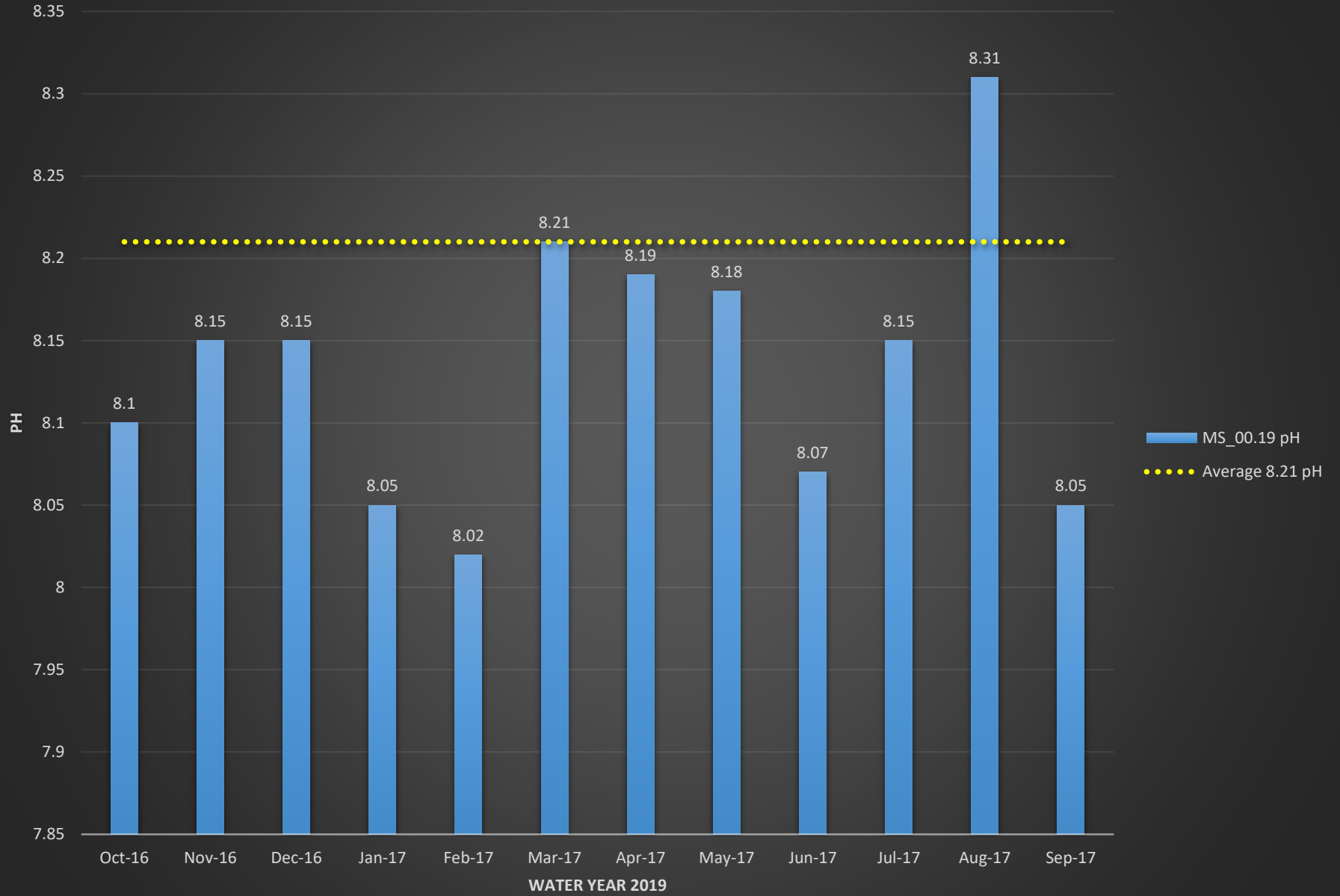
MS_00.19 Dissolved Oxygen (%)



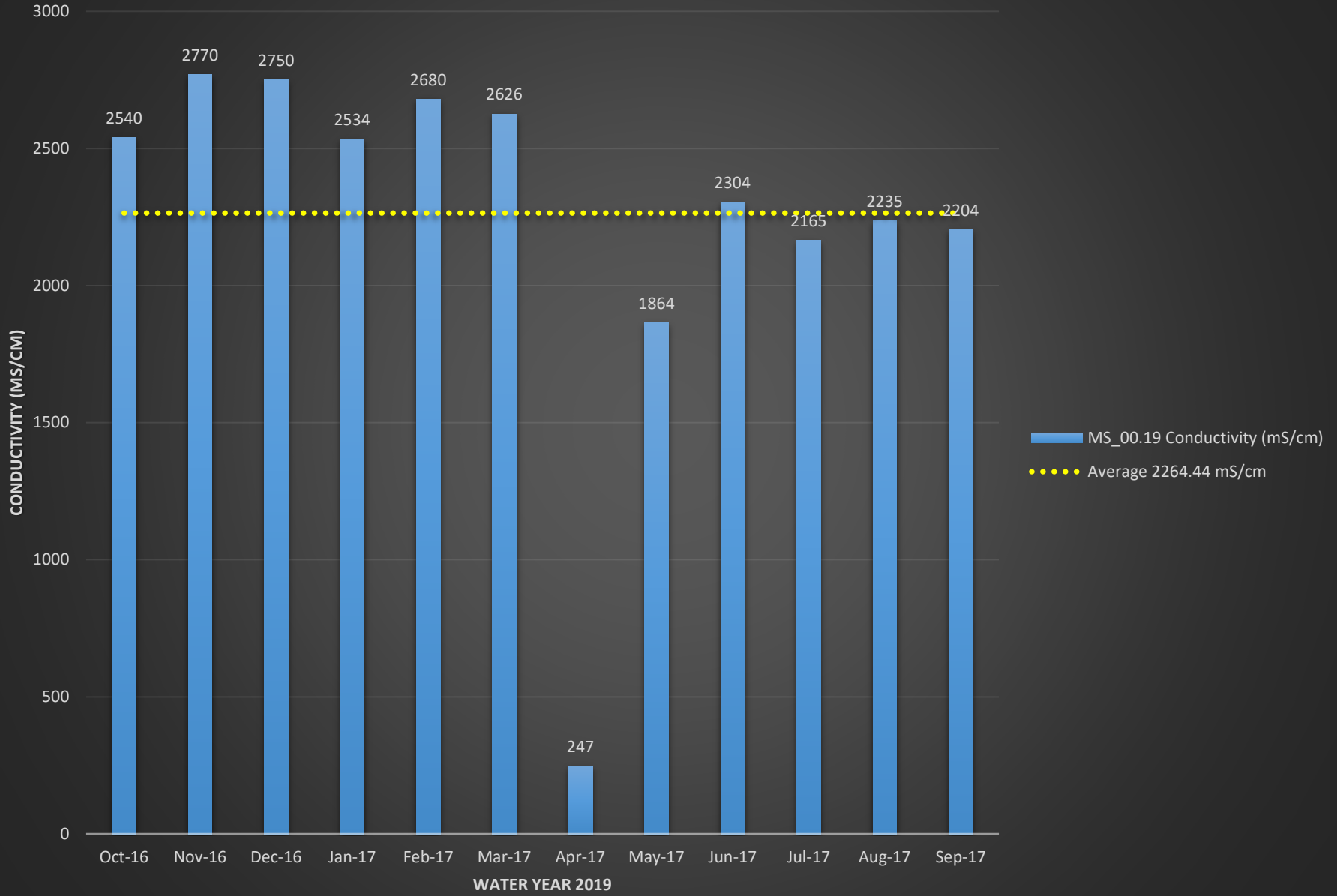
MS_00.19 Dissolved Oxygen (mg/L)



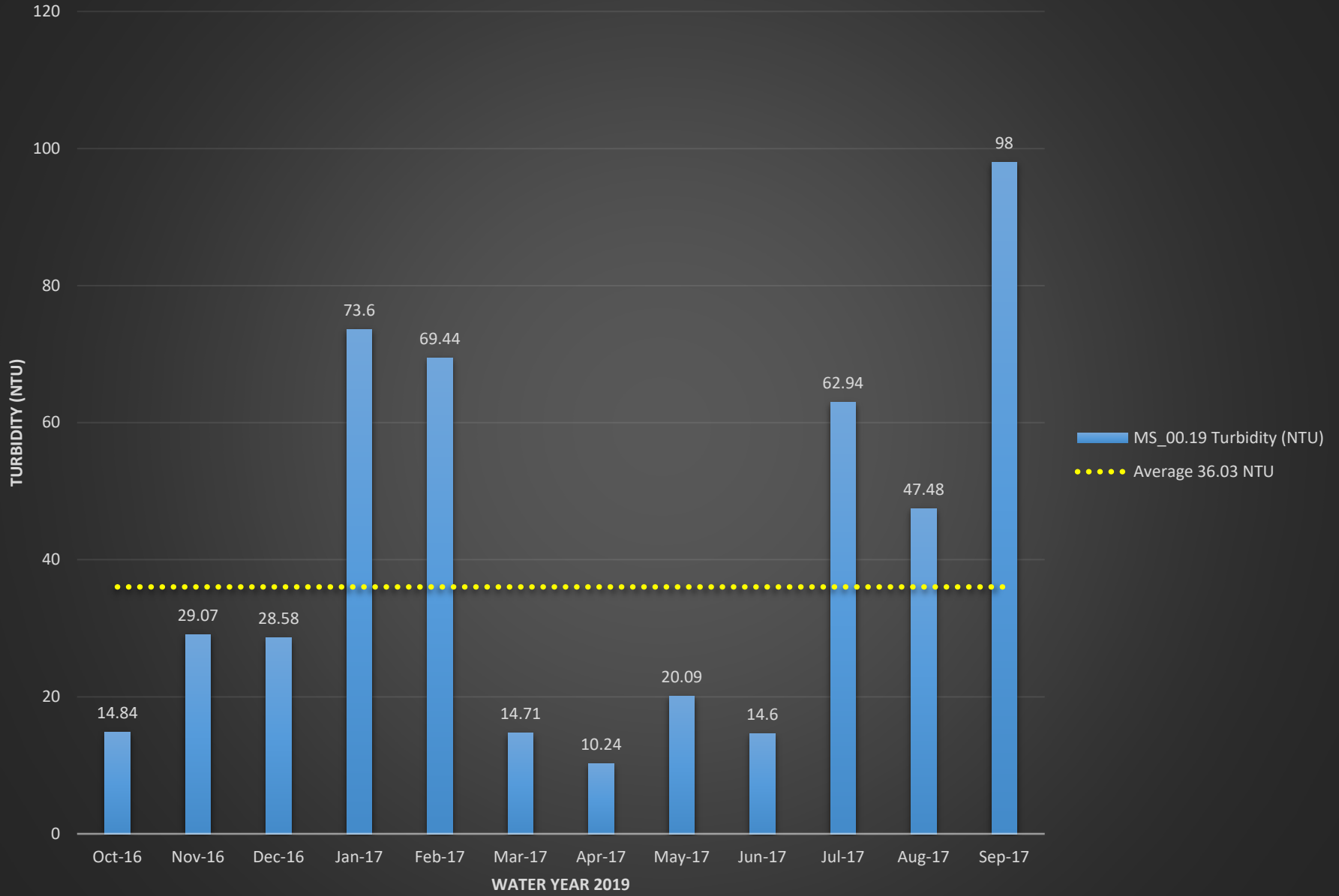
MS_00.19 pH



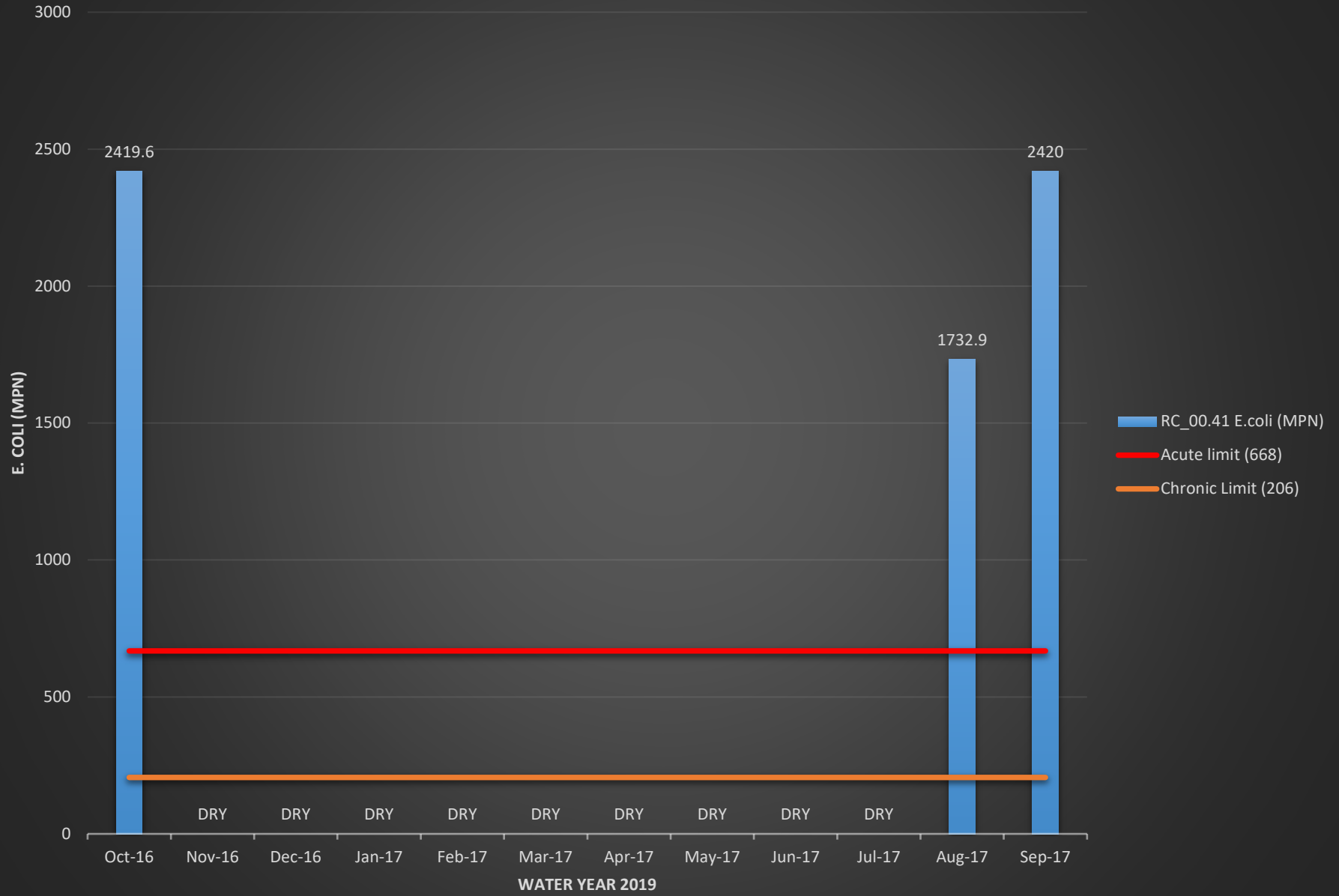
MS_00.19 Conductivity (mS/cm)



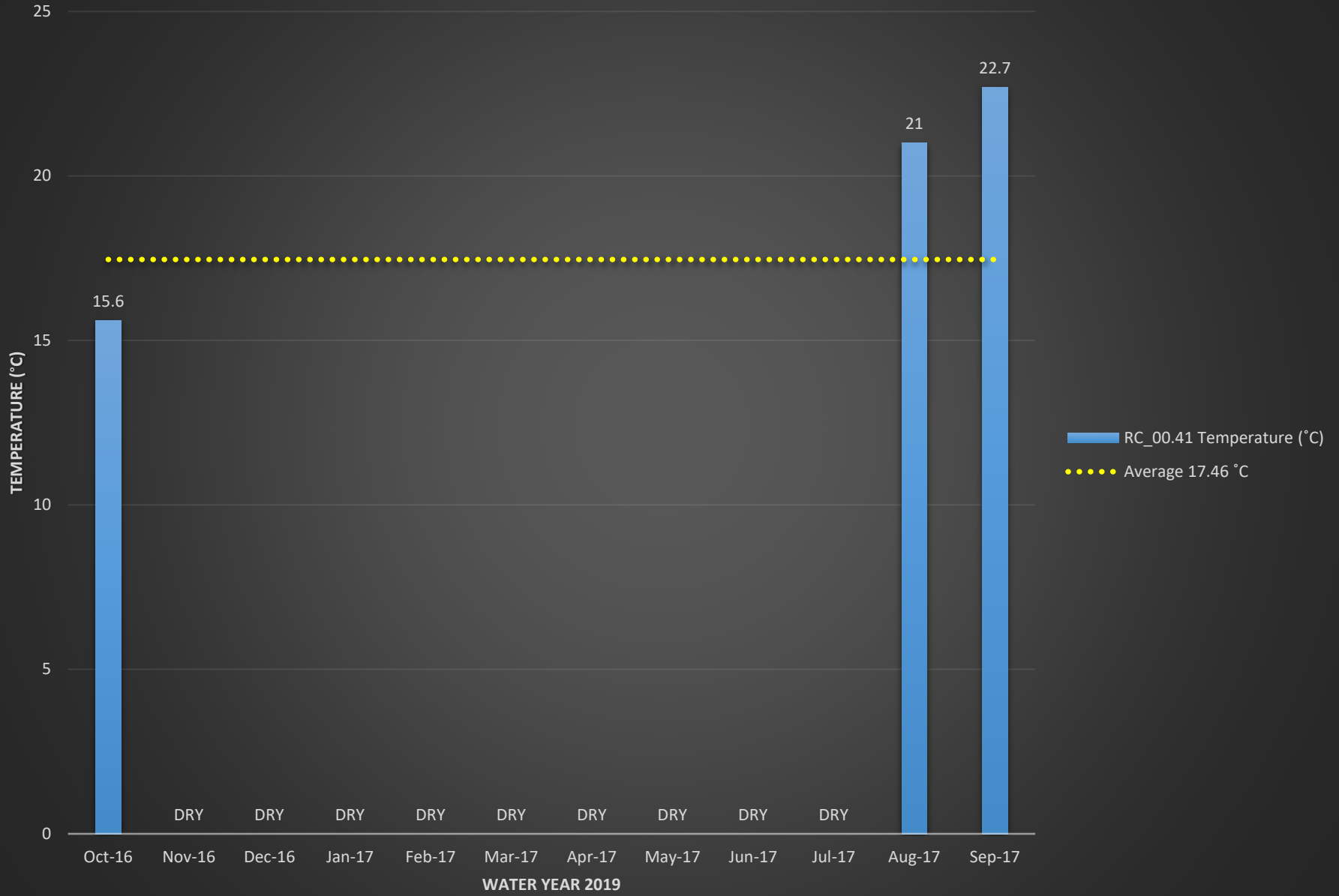
MS_00.19 Turbidity (NTU)



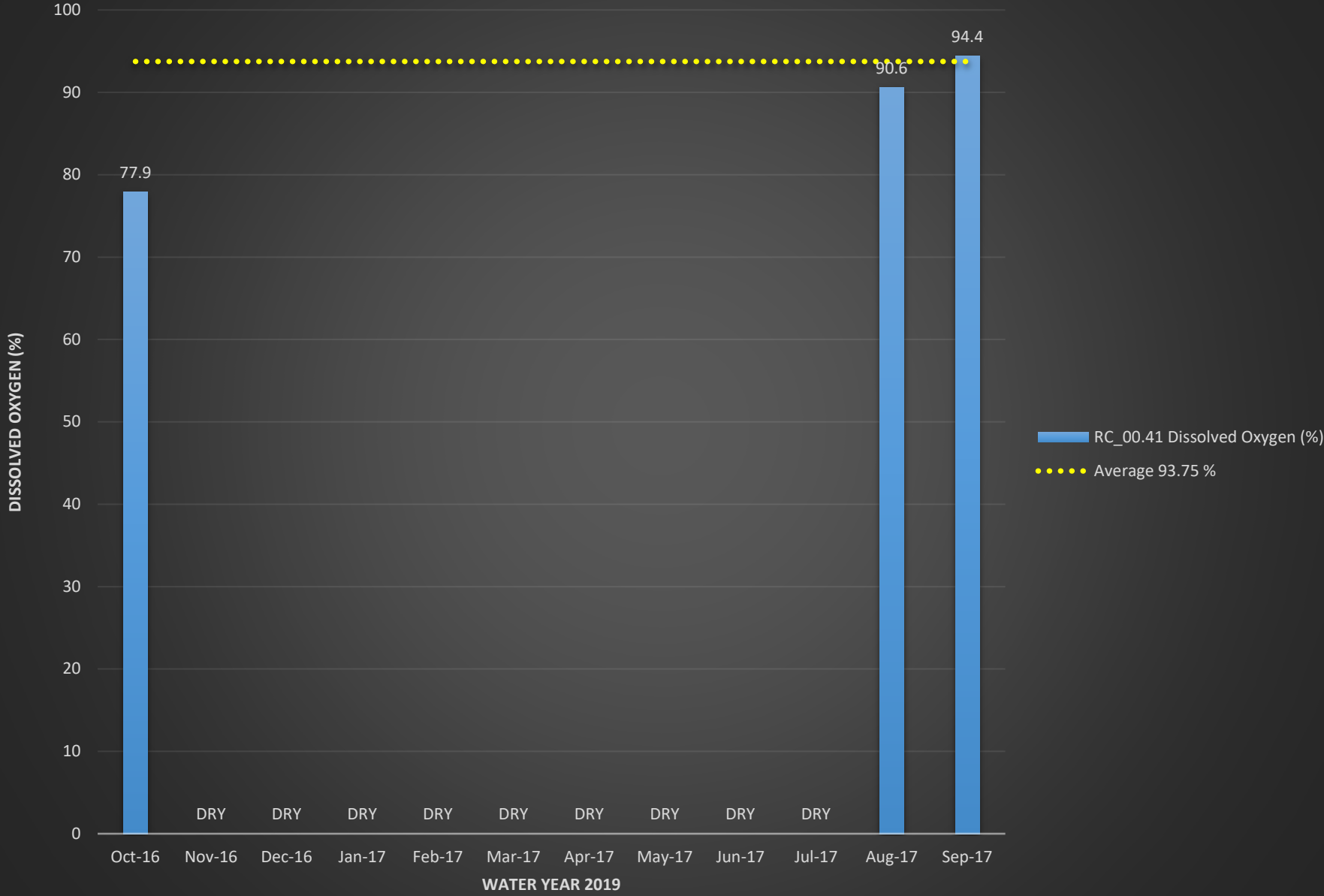
RC_00.41 E.coli (MPN)



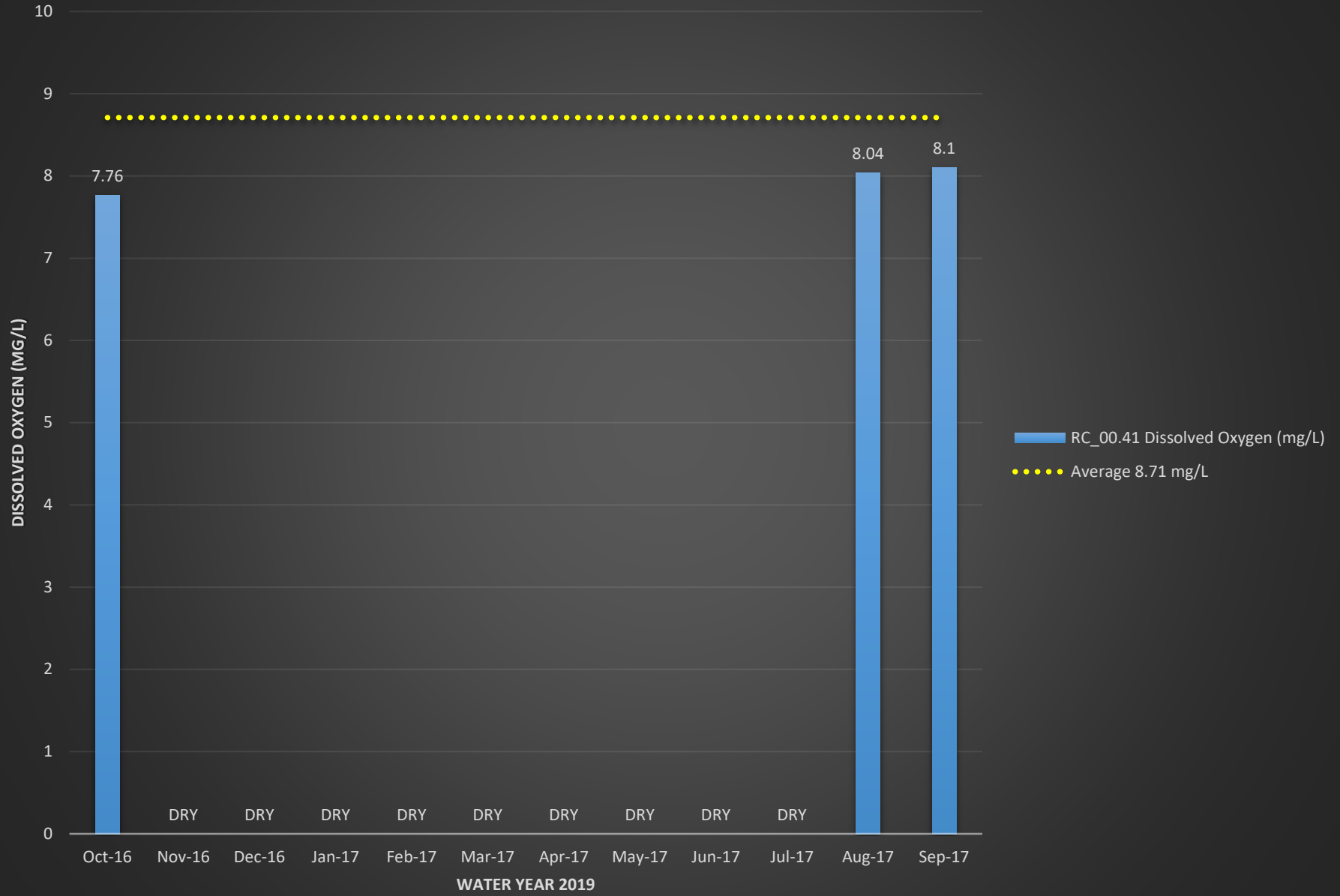
RC_00.41 Temperature (°C)



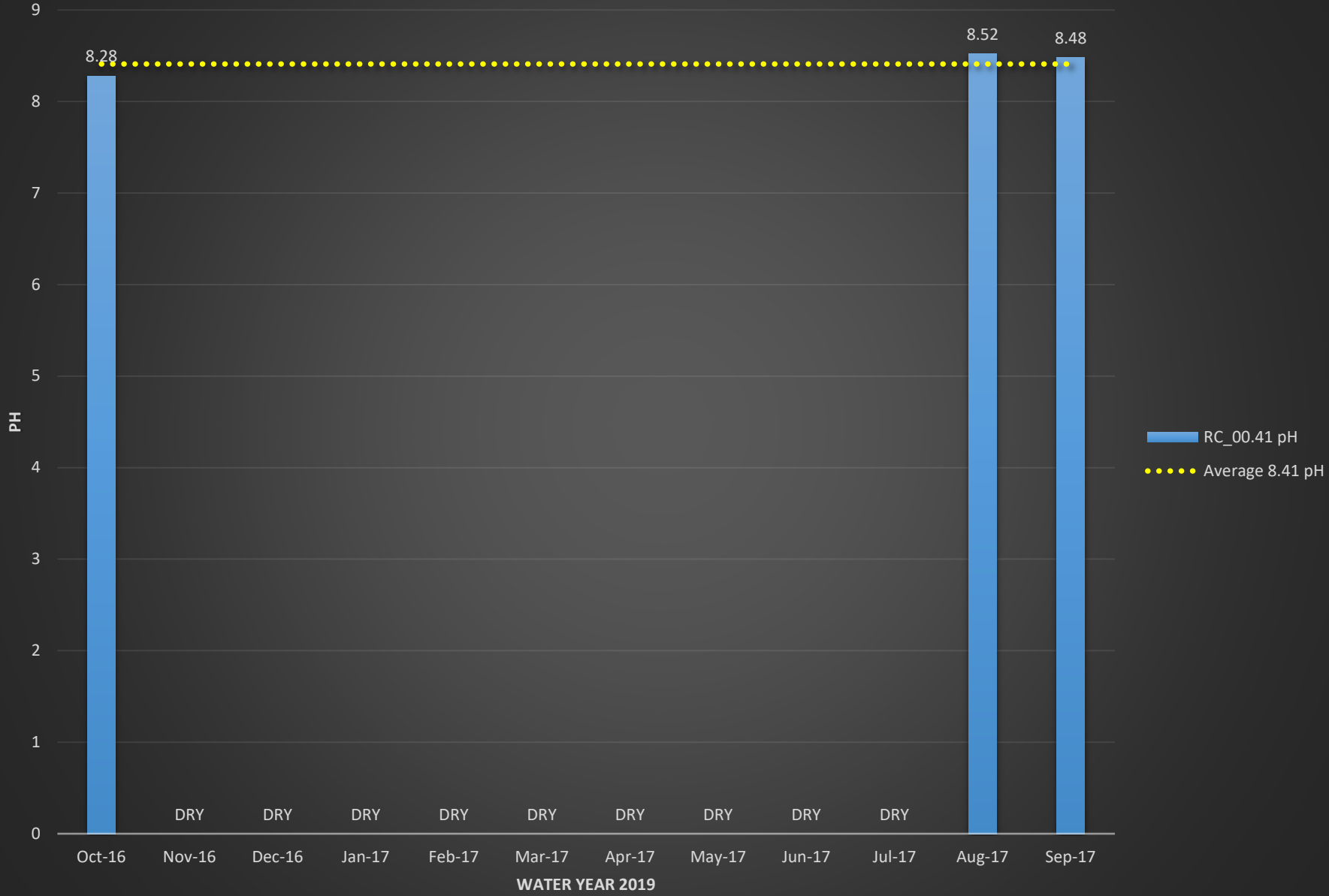
RC_00.41 Dissolved Oxygen (%)



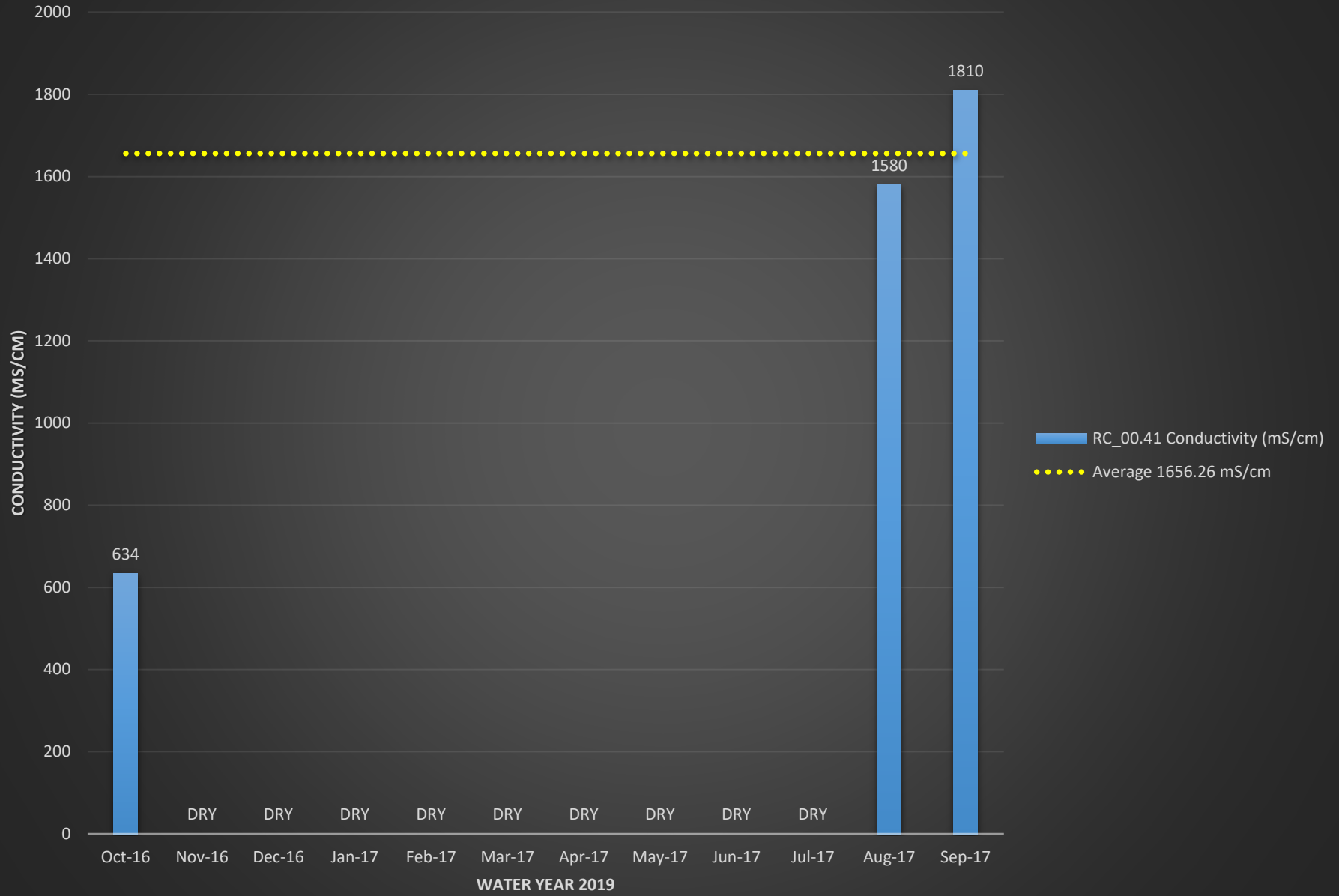
RC_00.41 Dissolved Oxygen (mg/L)



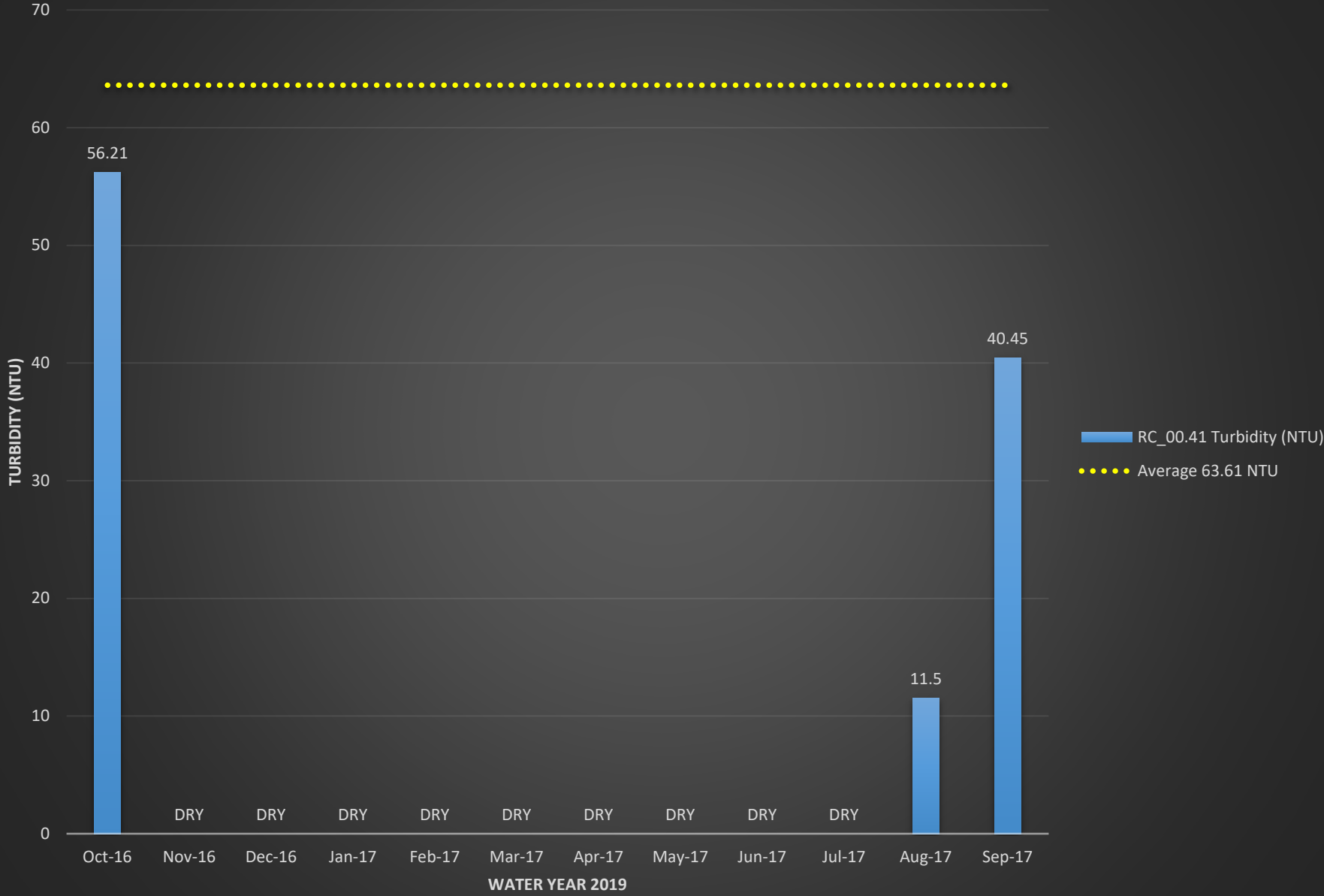
RC_00.41 pH



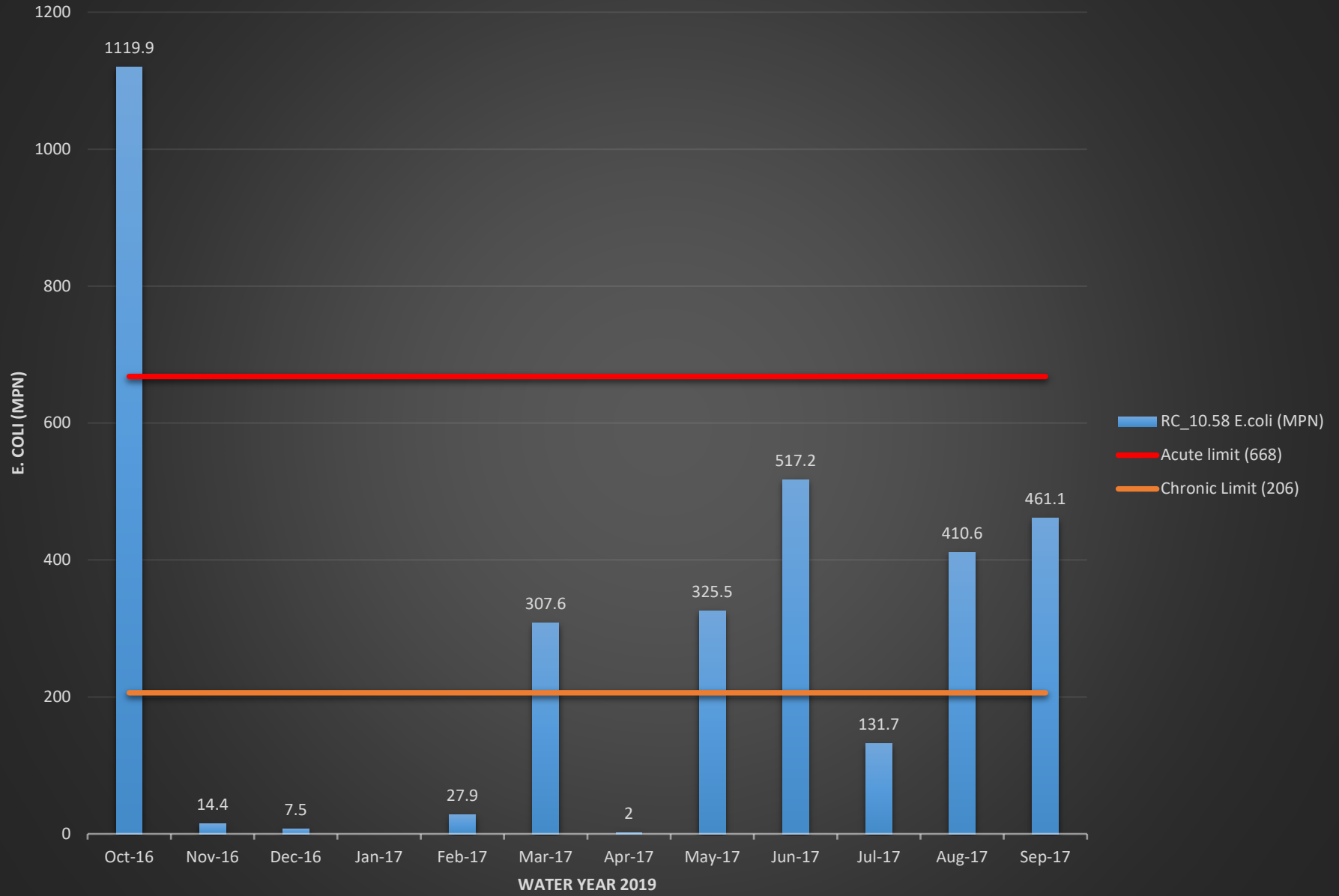
RC_00.41 Conductivity (mS/cm)



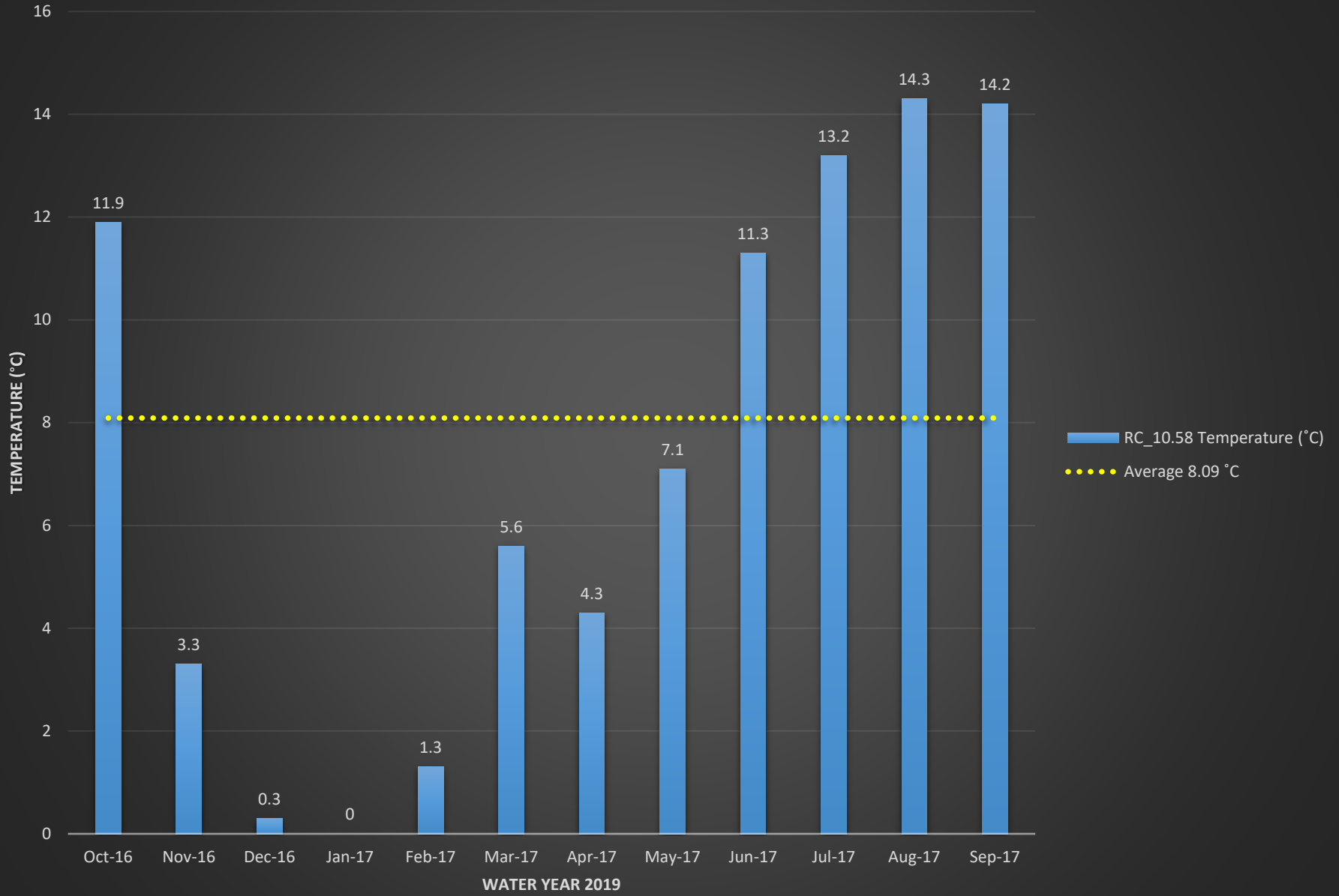
RC_00.41 Turbidity (NTU)



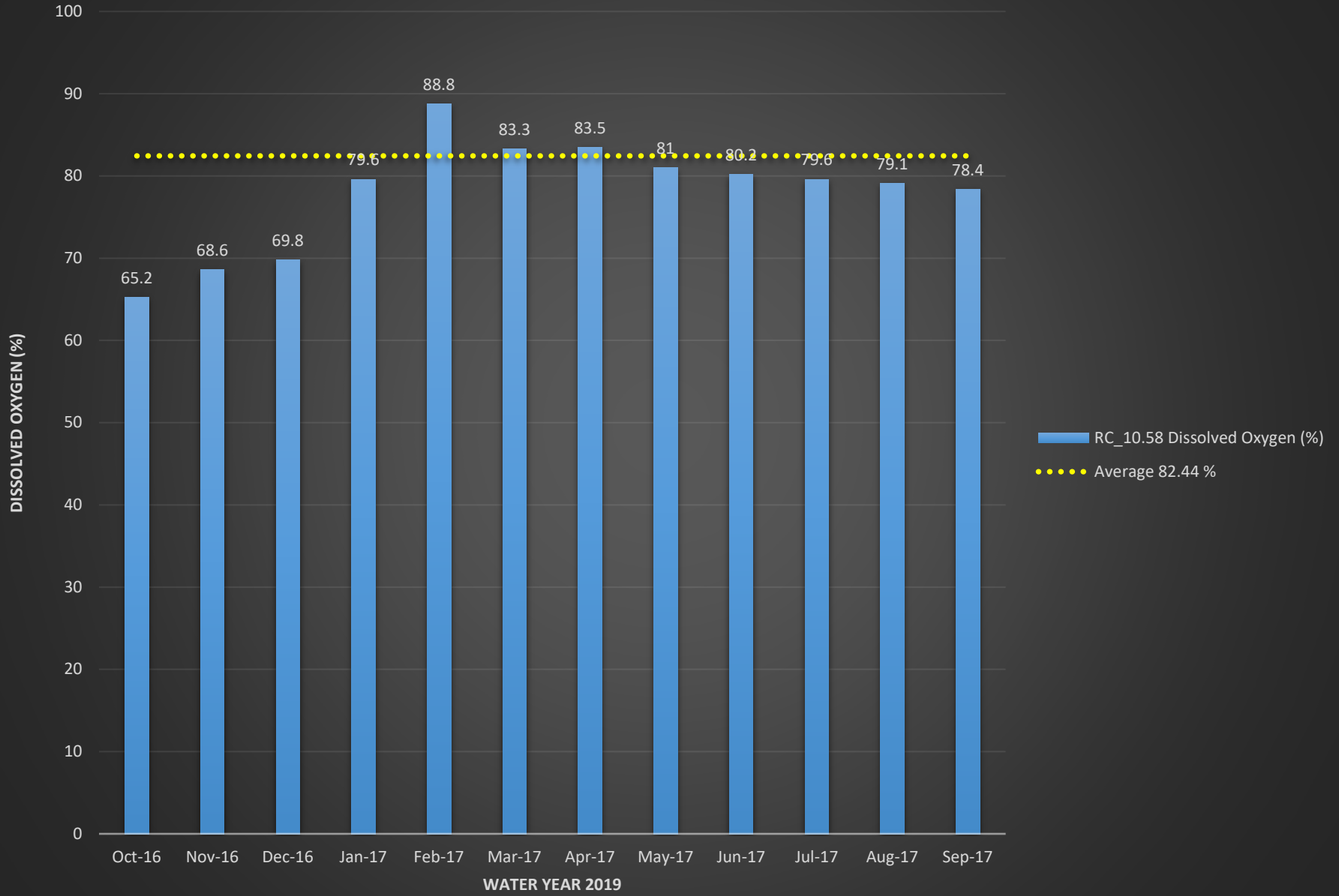
RC_10.58 E.coli (MPN)



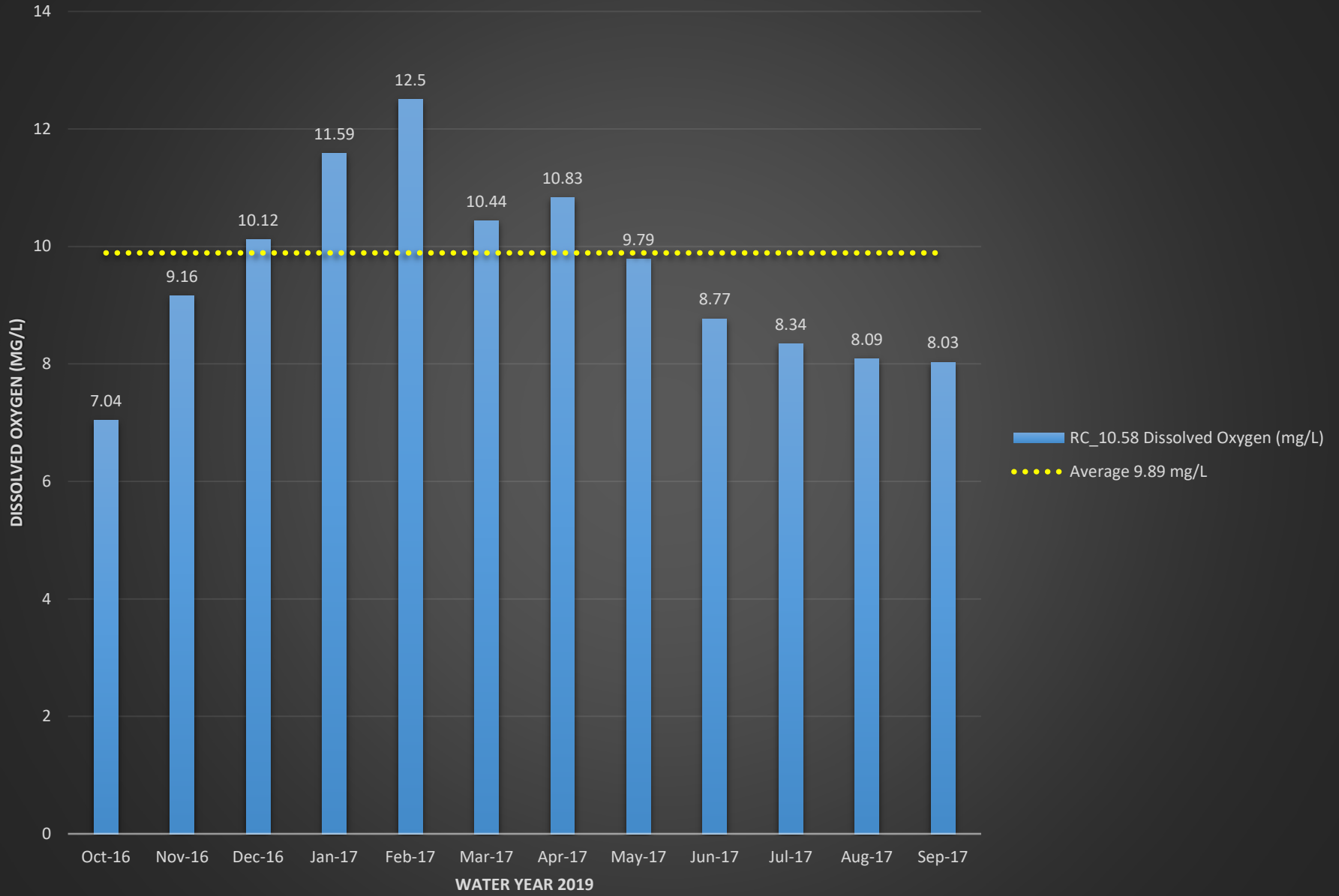
RC_10.58 Temperature (°C)



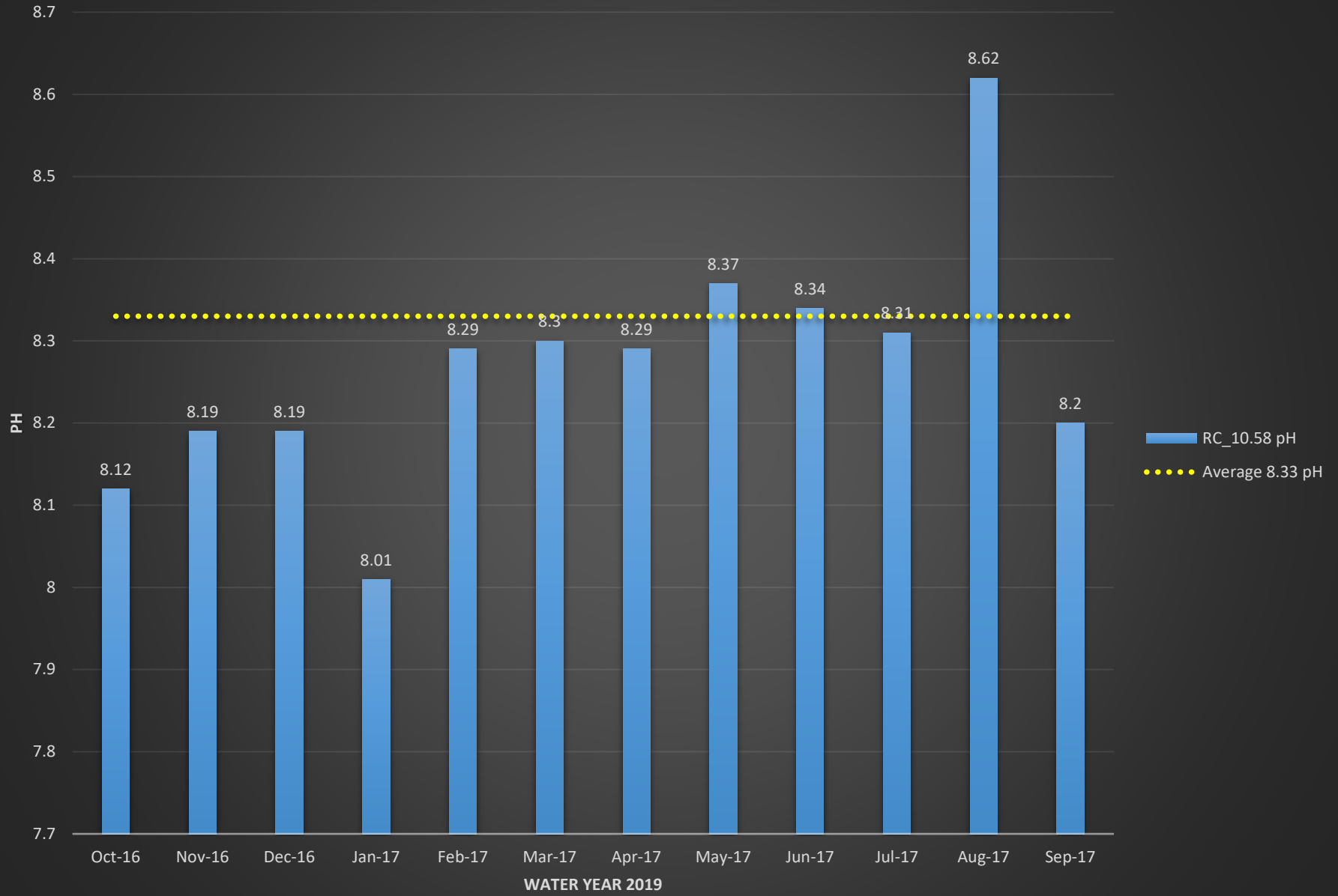
RC_10.58 Dissolved Oxygen (%)



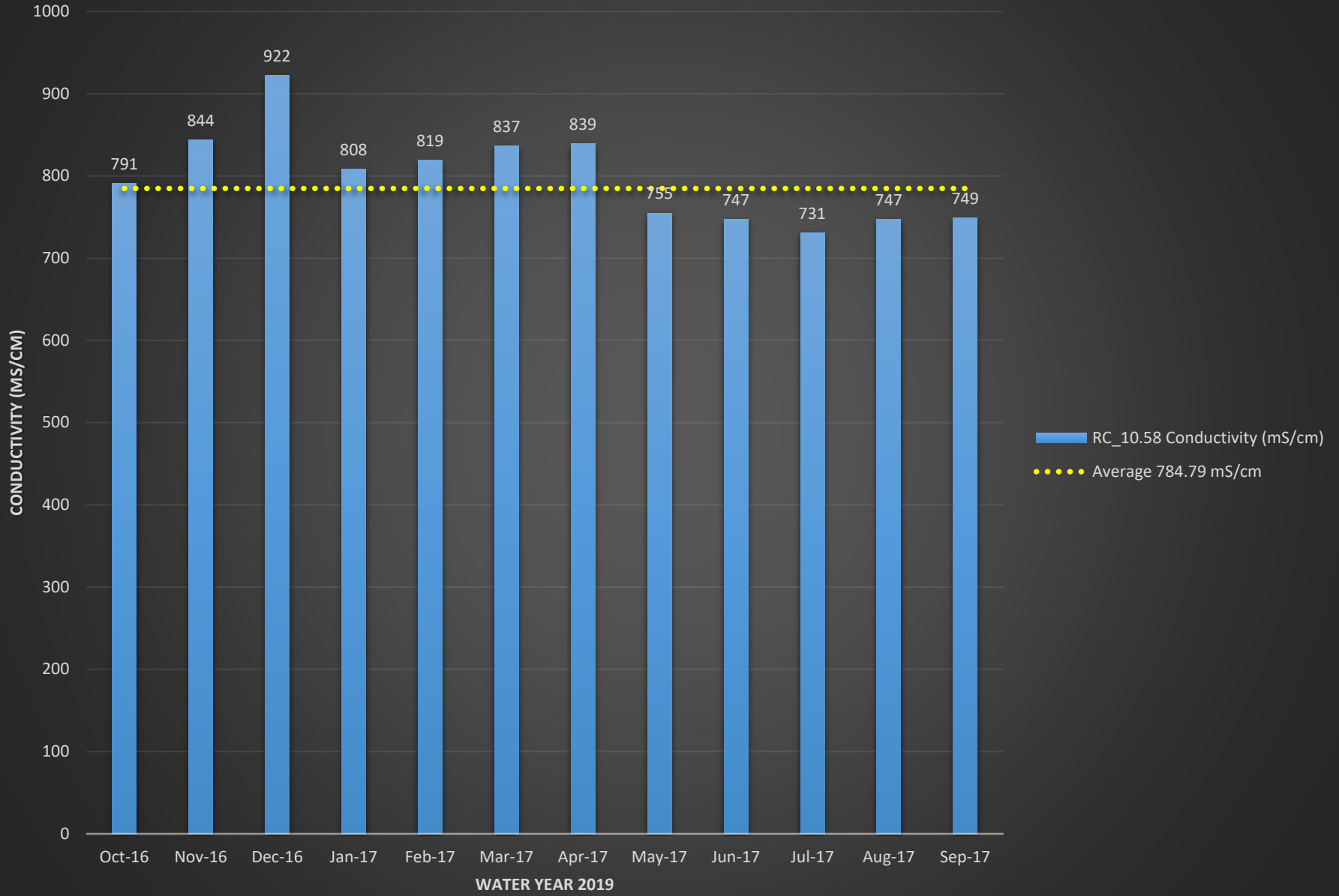
RC_10.58 Dissolved Oxygen (mg/L)



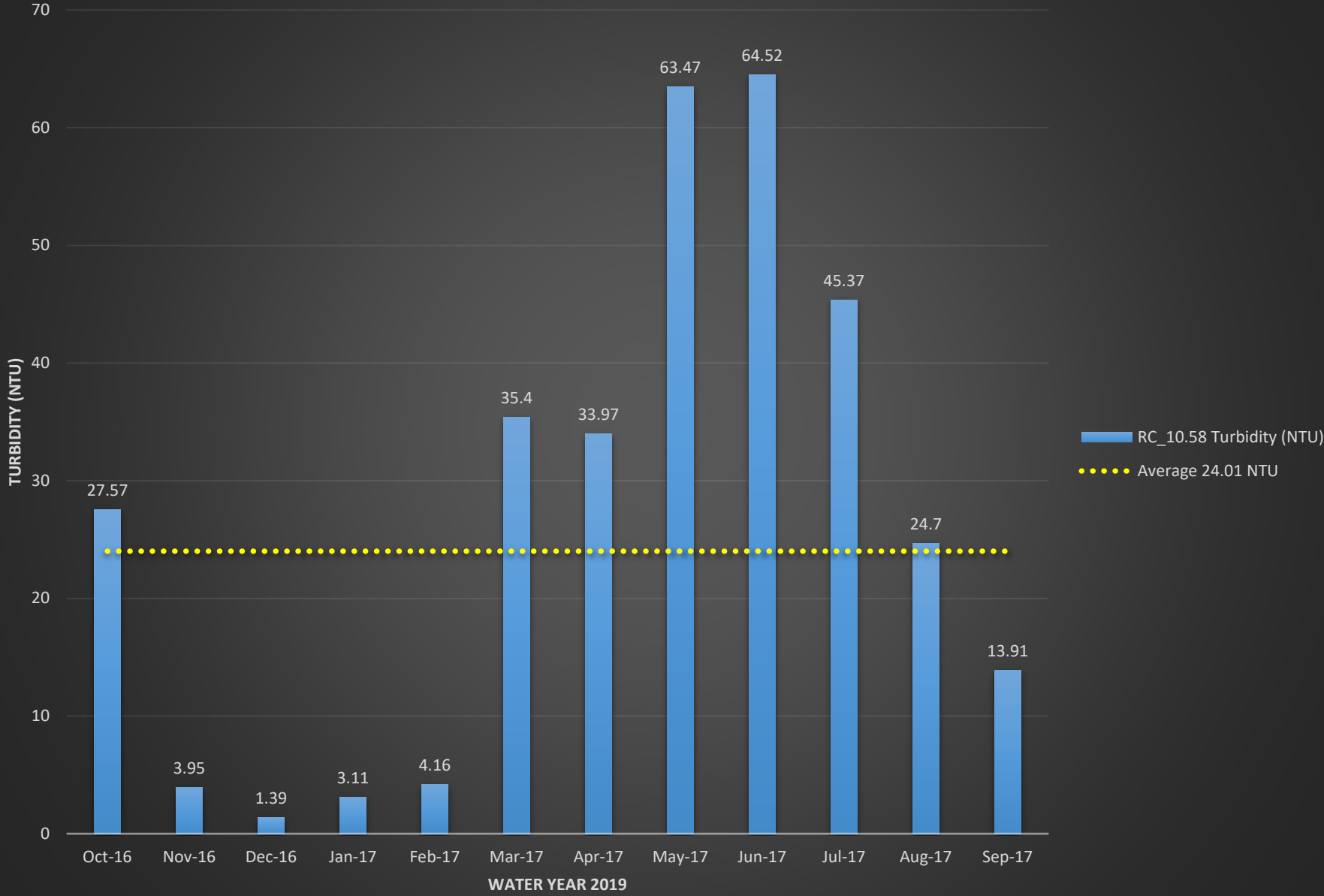
RC_10.58 pH



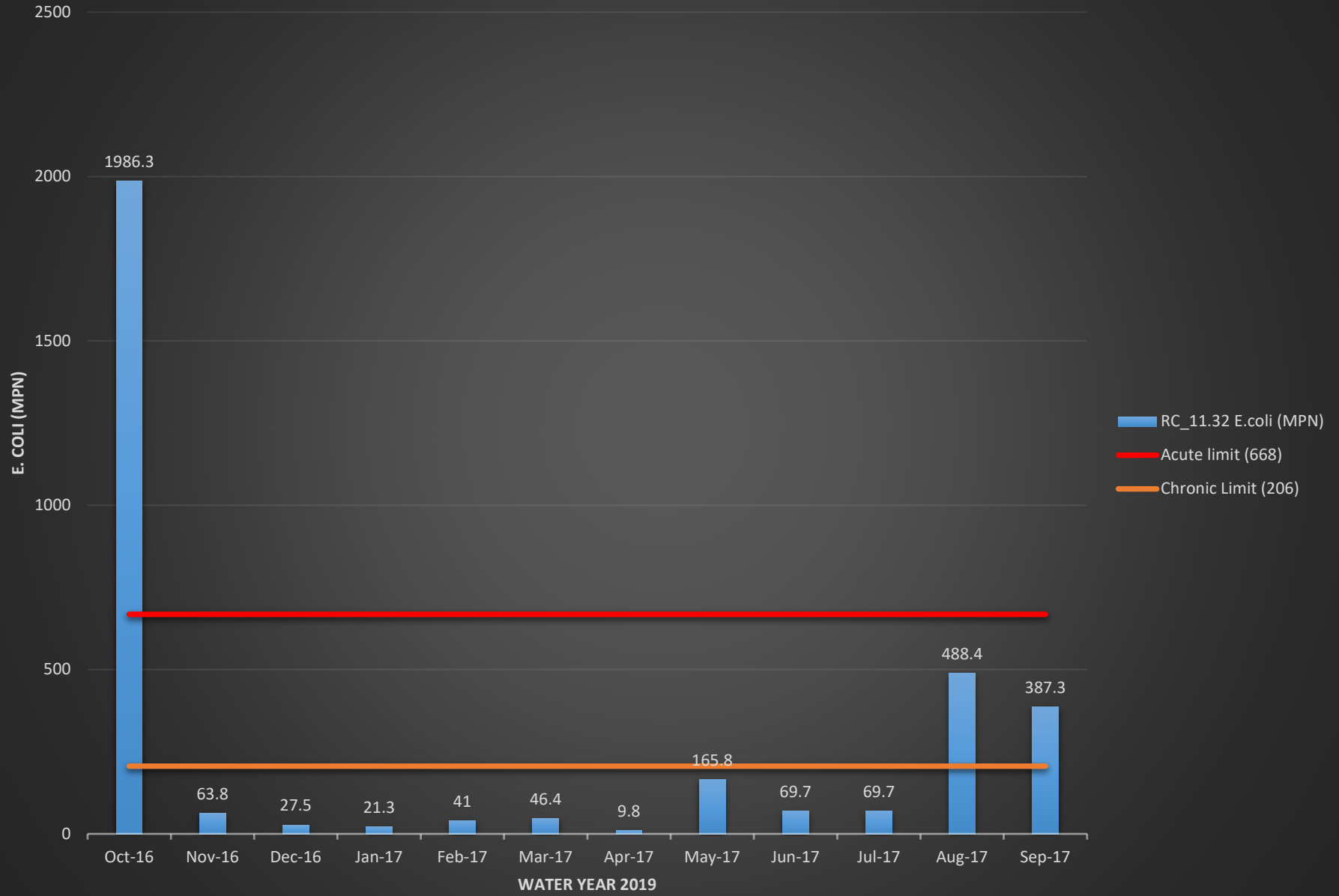
RC_10.58 Conductivity (mS/cm)



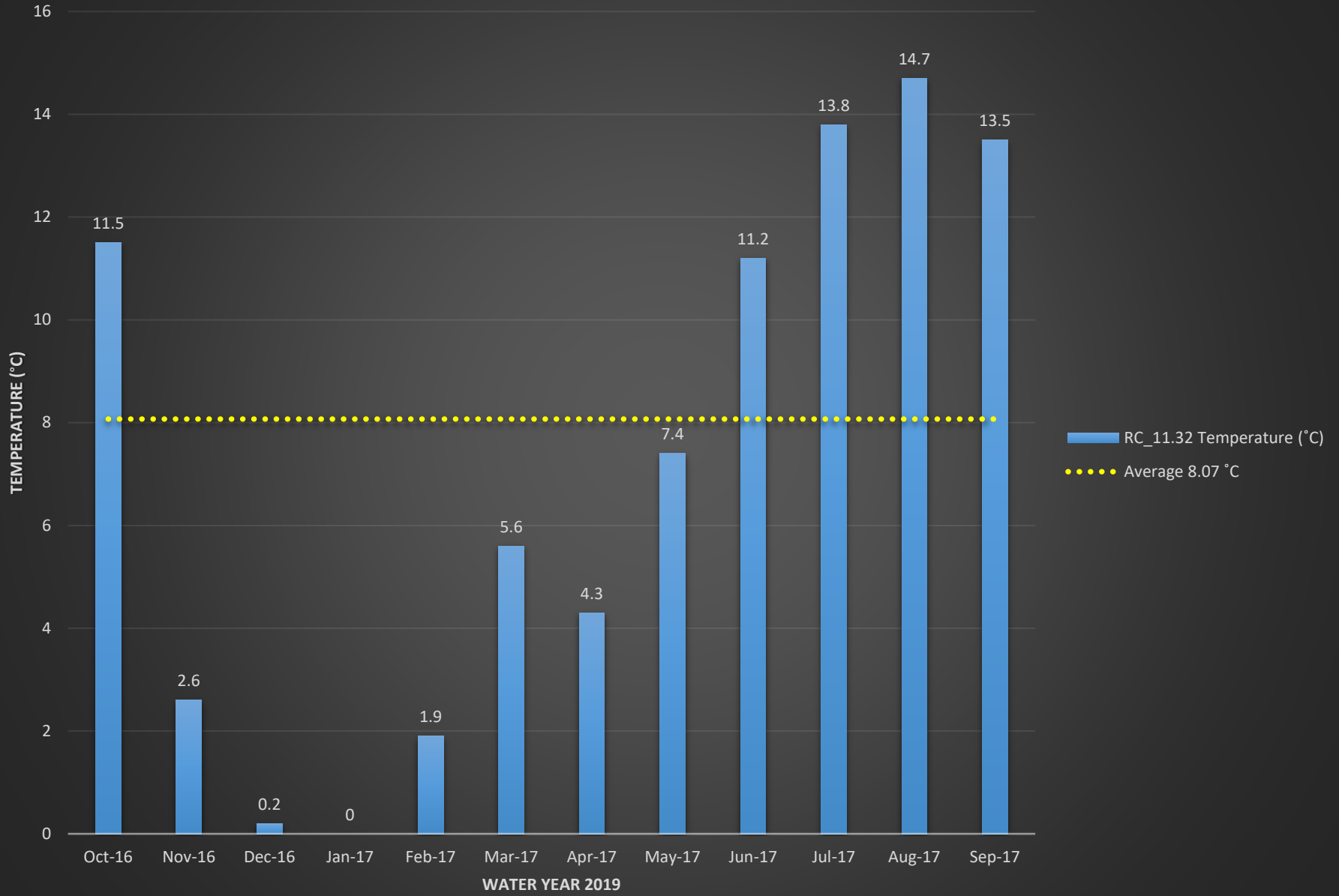
RC_10.58 Turbidity (NTU)



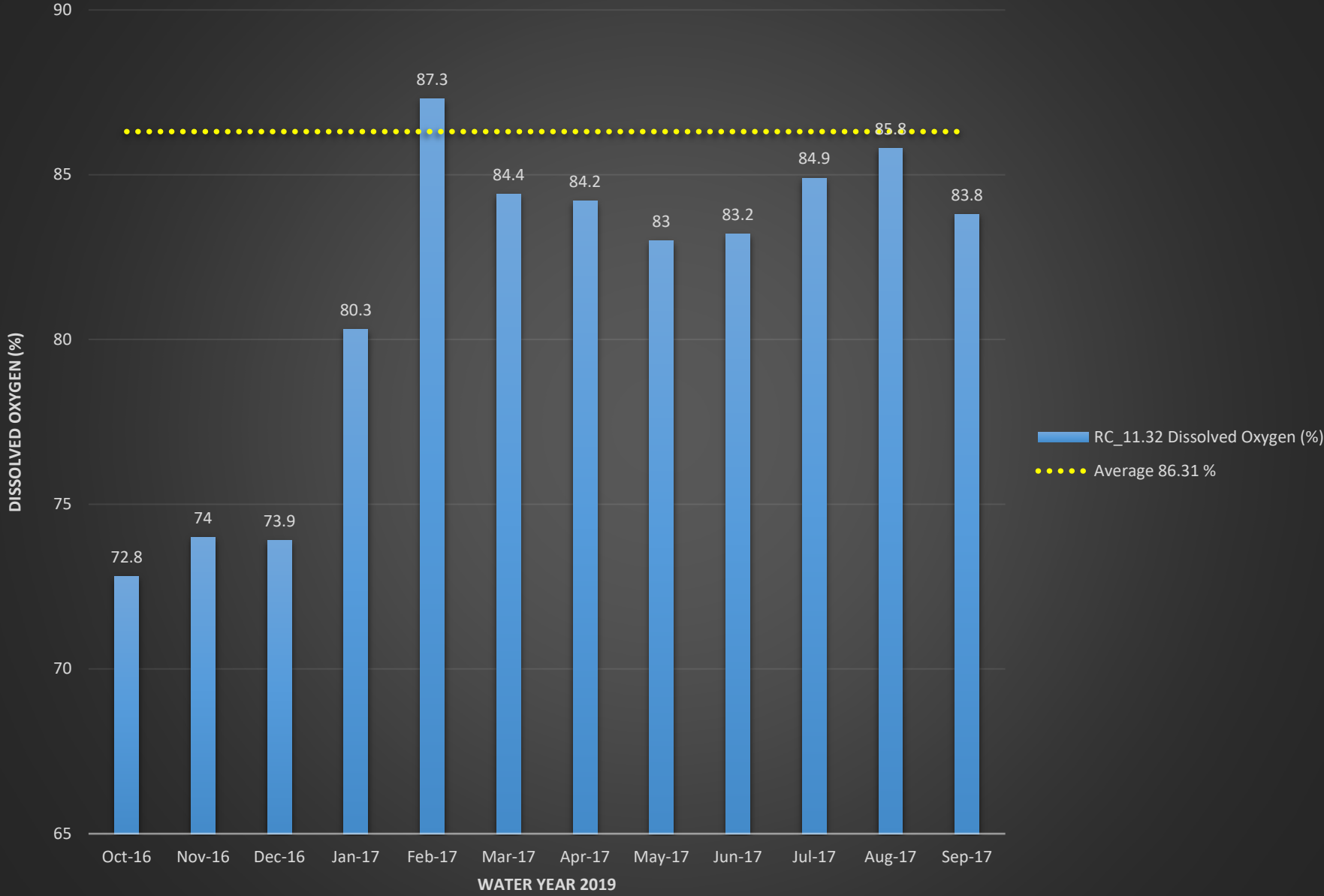
RC_11.32 E.coli (MPN)



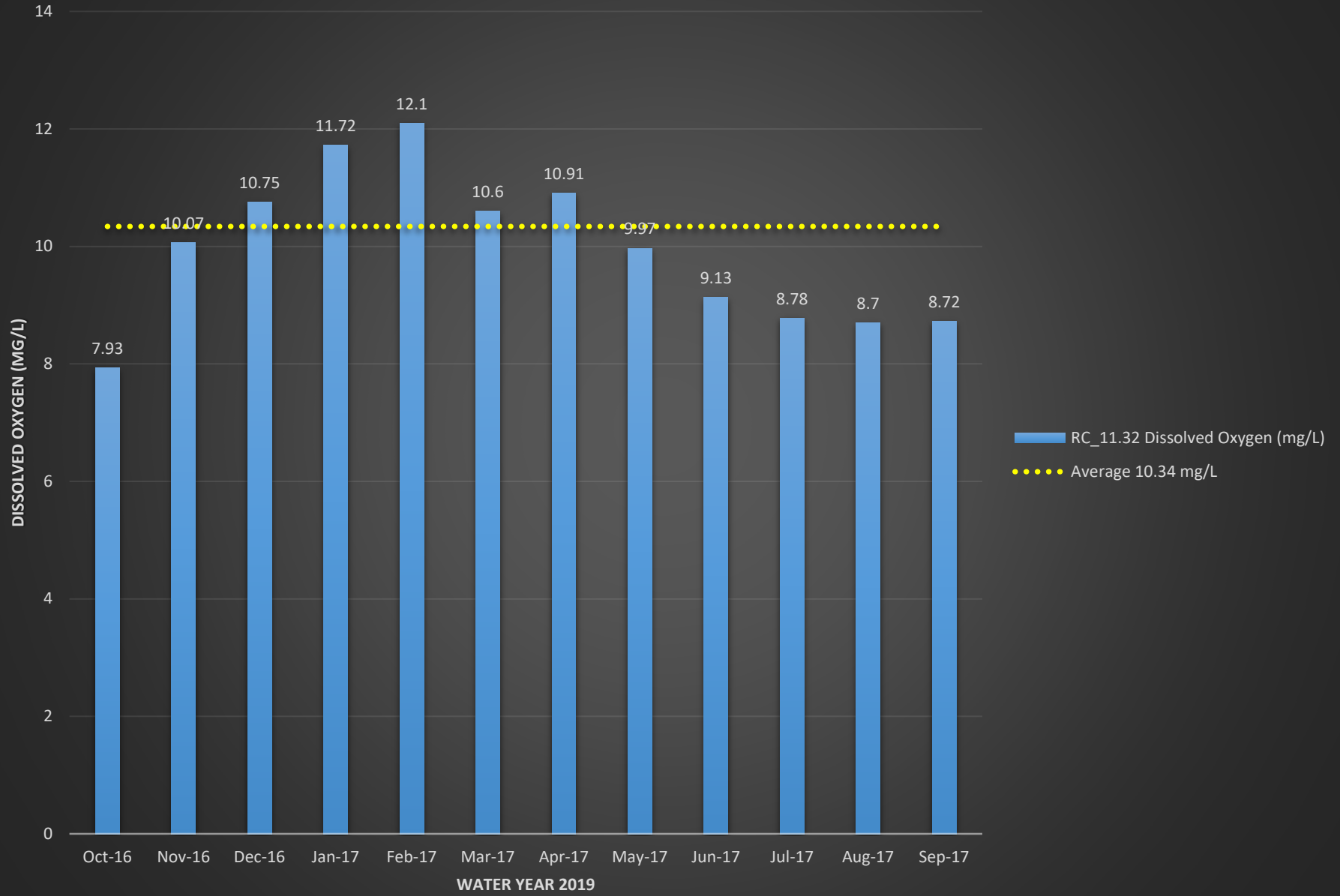
RC_11.32 Temperature (°C)



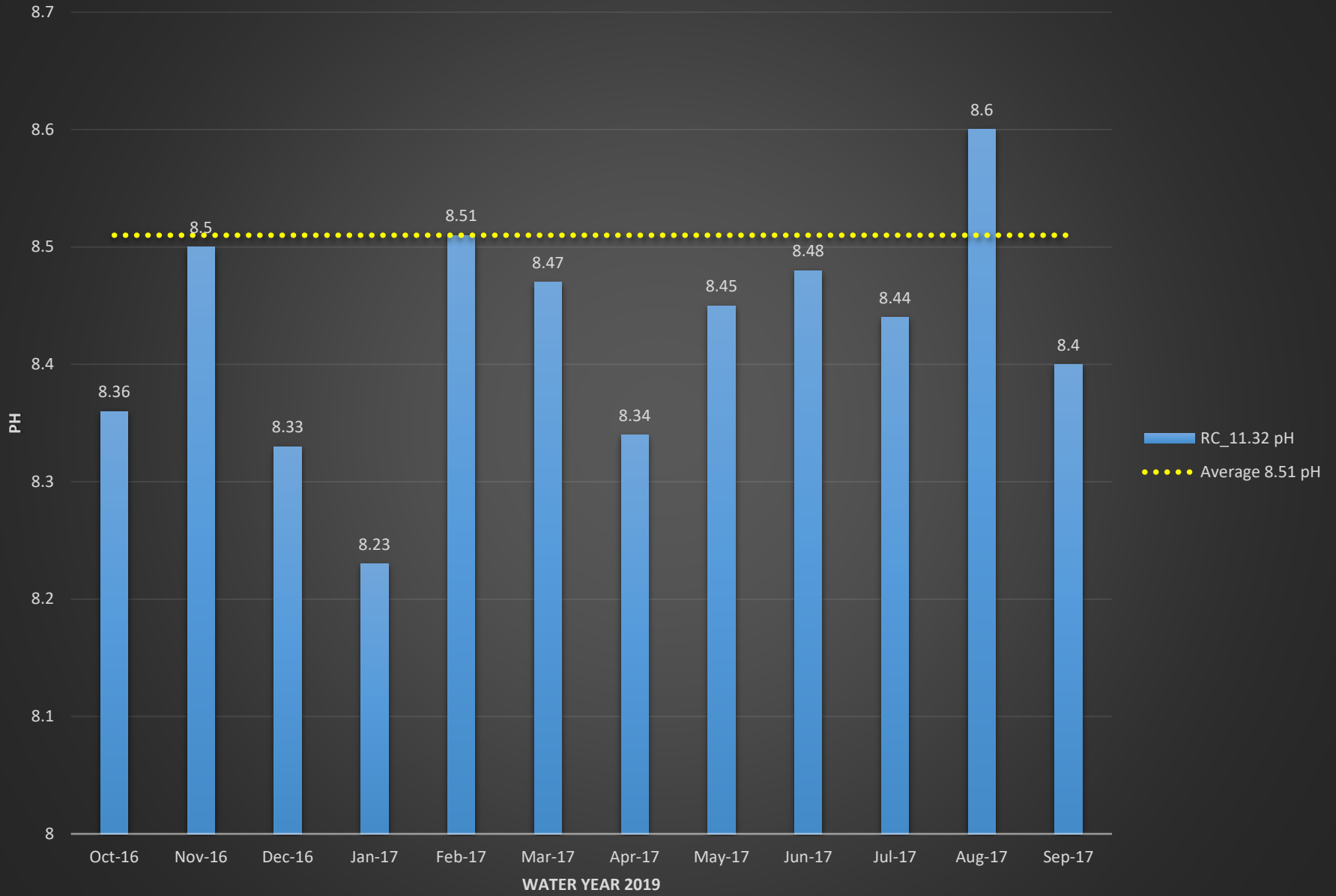
RC_11.32 Dissolved Oxygen (%)



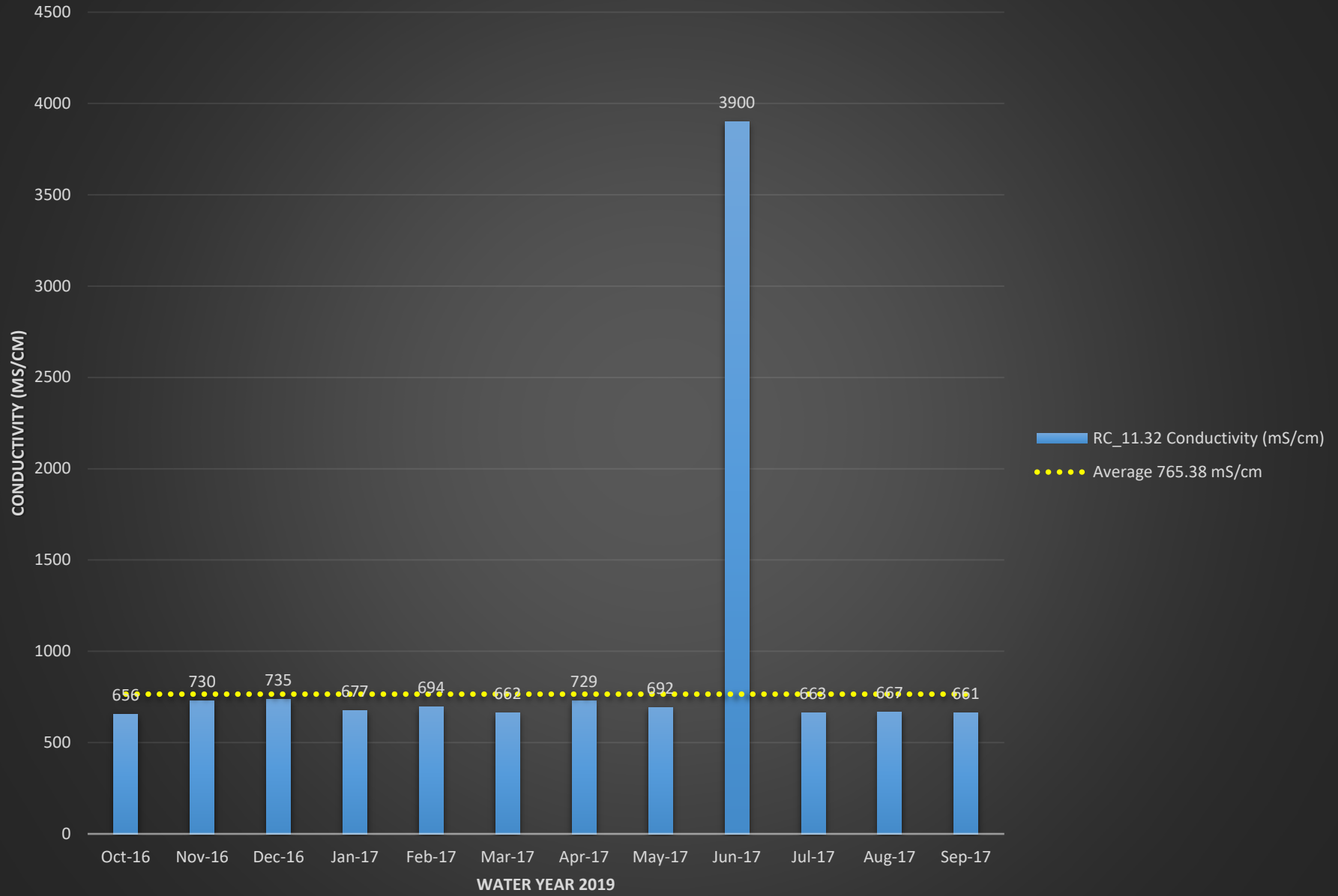
RC_11.32 Dissolved Oxygen (mg/L)



RC_11.32 pH



RC_11.32 Conductivity (mS/cm)



RC_11.32 Turbidity (NTU)

