

APPENDIX

E PARAMETERS WITH SIGNIFICANT BASELINE DIFFERENCES

APPENDIX E: Parameters with Significant Baseline Differences

Appendix E contains timeseries plots for parameters which were identified as having potential differences in magnitude between the 2015-2016 and 2017-2019 baselines, based on statistical analysis of the two data sets. Plots are organized in sampling site groupings.

OWENKILLEW RIVER (UPSTREAM OF CONFLUENCE WITH OWENREAGH)

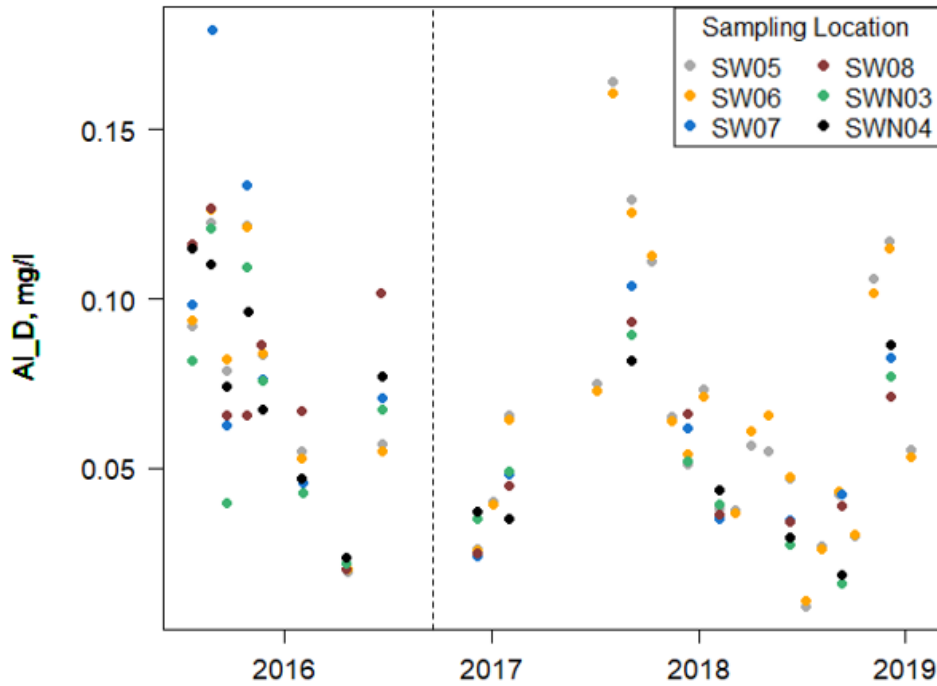


Figure E-1 Timeseries of dissolved aluminium; dashed line separates the baselines.

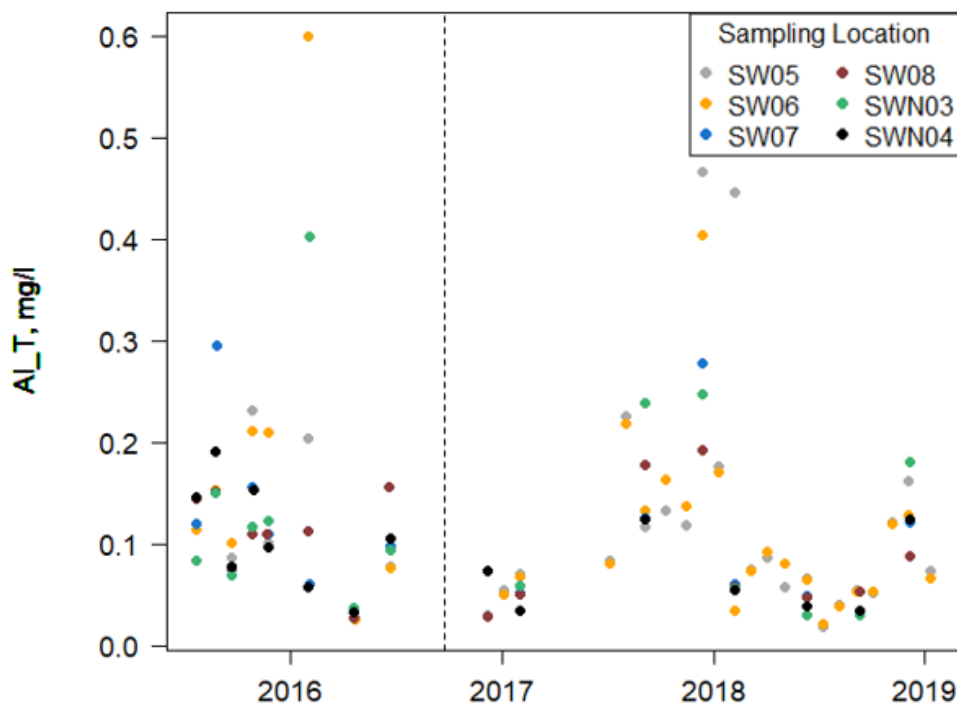


Figure E-2 Timeseries of total aluminium; dashed line separates the baselines.

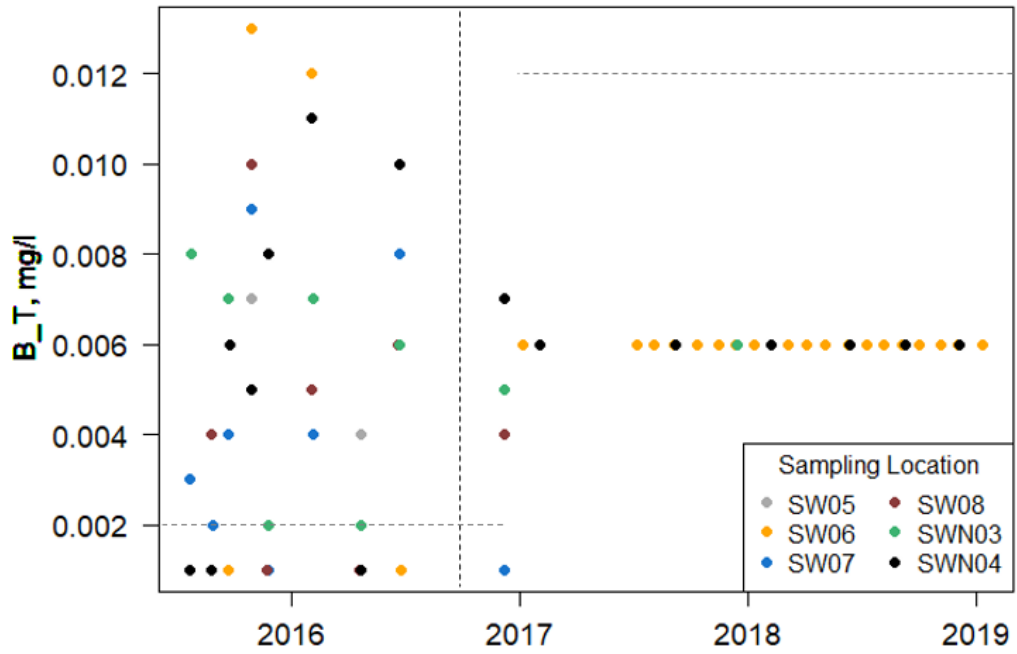


Figure E-3 Timeseries of total boron; vertical dashed line separates the baselines and horizontal dashed lines indicate changing LODs.

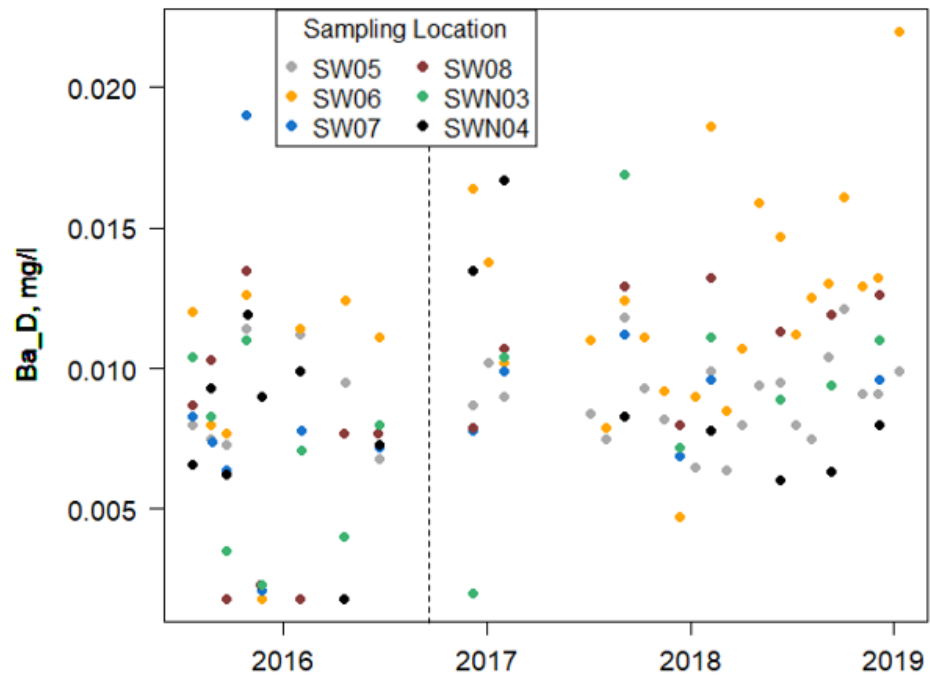


Figure E-4 Timeseries of dissolved barium; dashed line separates the baselines.

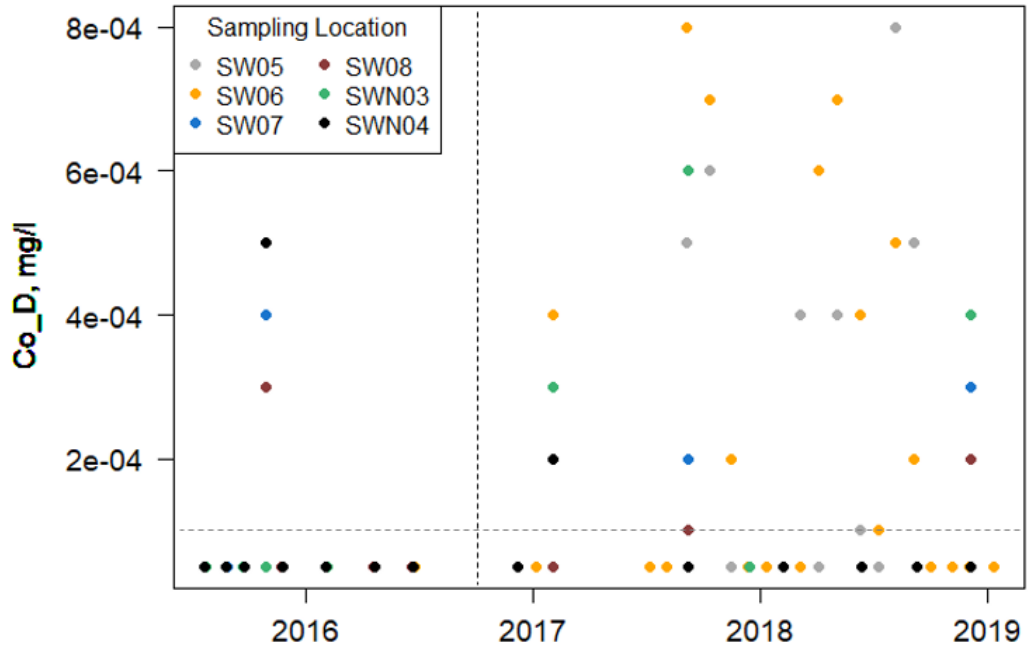


Figure E-5 Timeseries of dissolved cobalt; vertical dashed line separates the baselines and horizontal dashed line indicates the LOD.

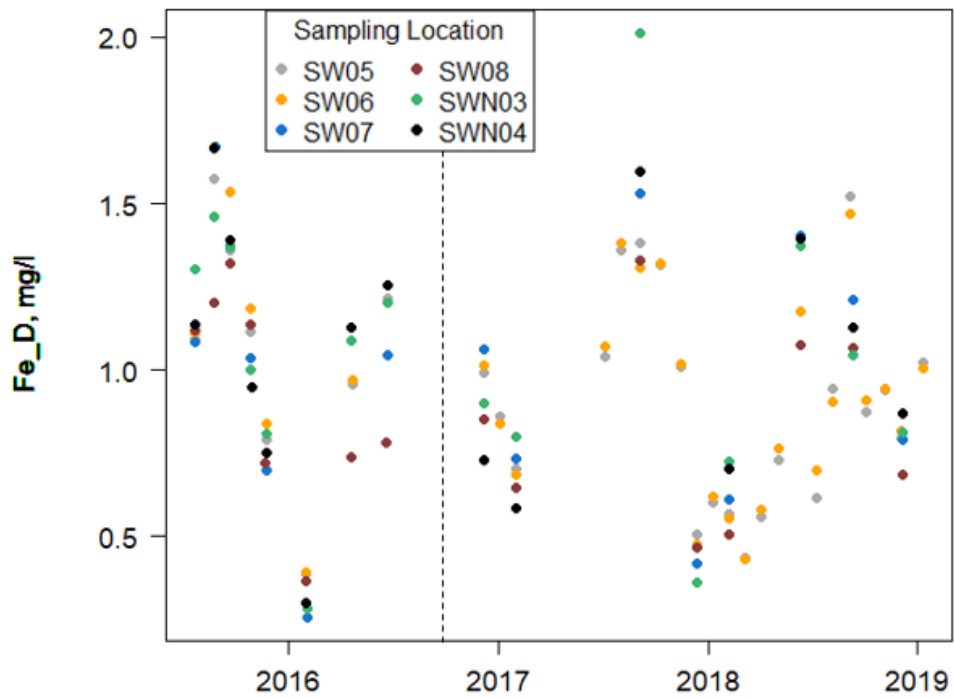


Figure E-6 Timeseries of dissolved iron; dashed line separates the baselines.

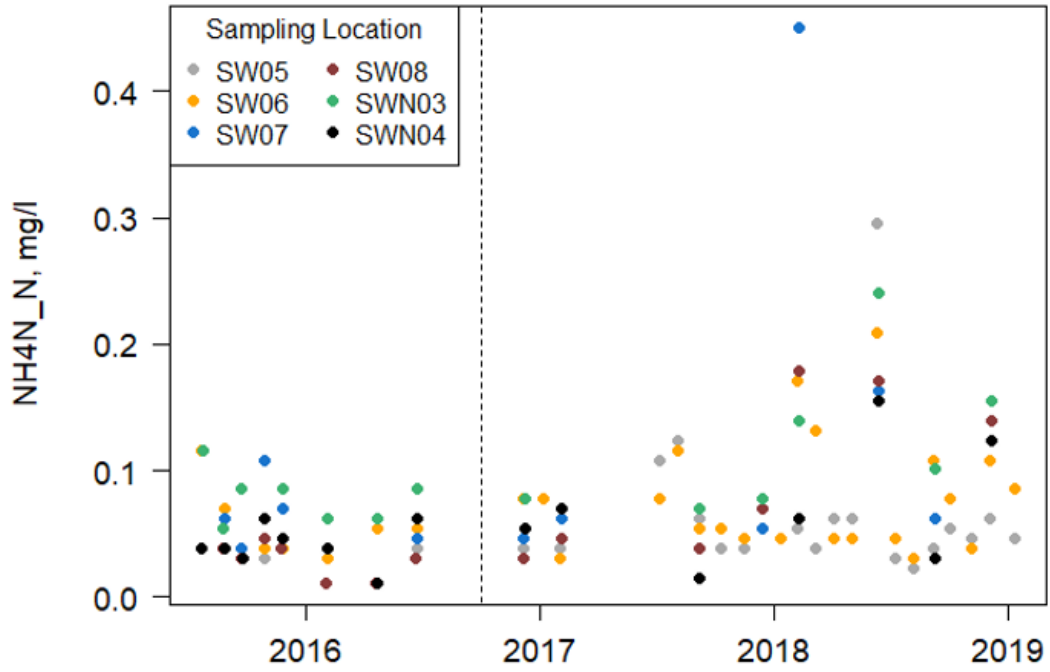


Figure E-7 Timeseries of ammonia; dashed line separates the baselines.

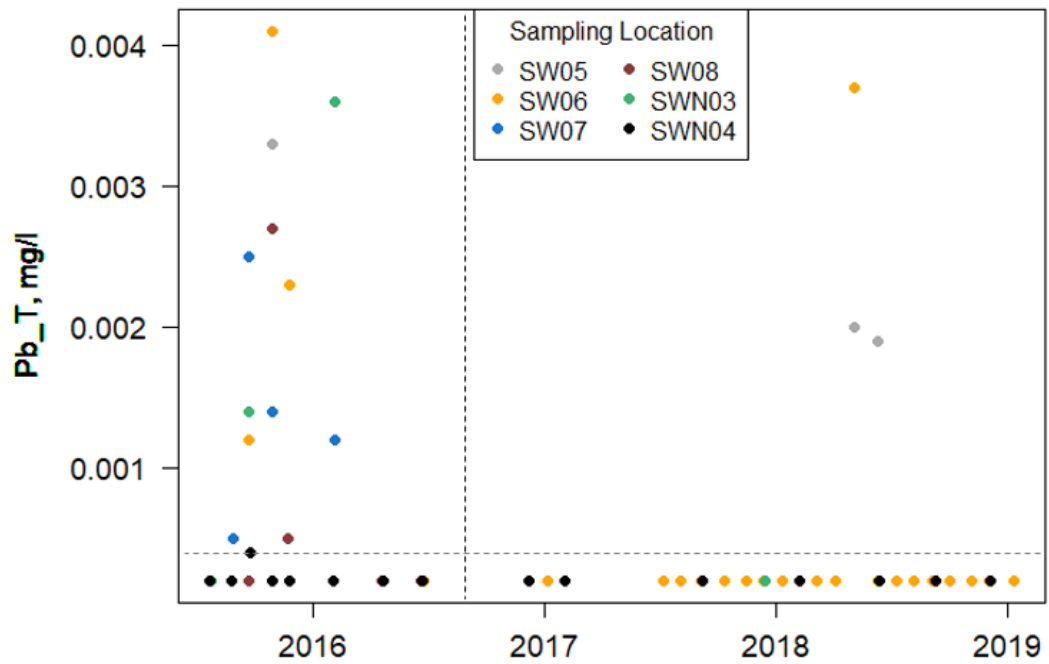


Figure E-8 Timeseries of total lead; vertical dashed line separates the baselines and horizontal dashed line indicates the LOD.

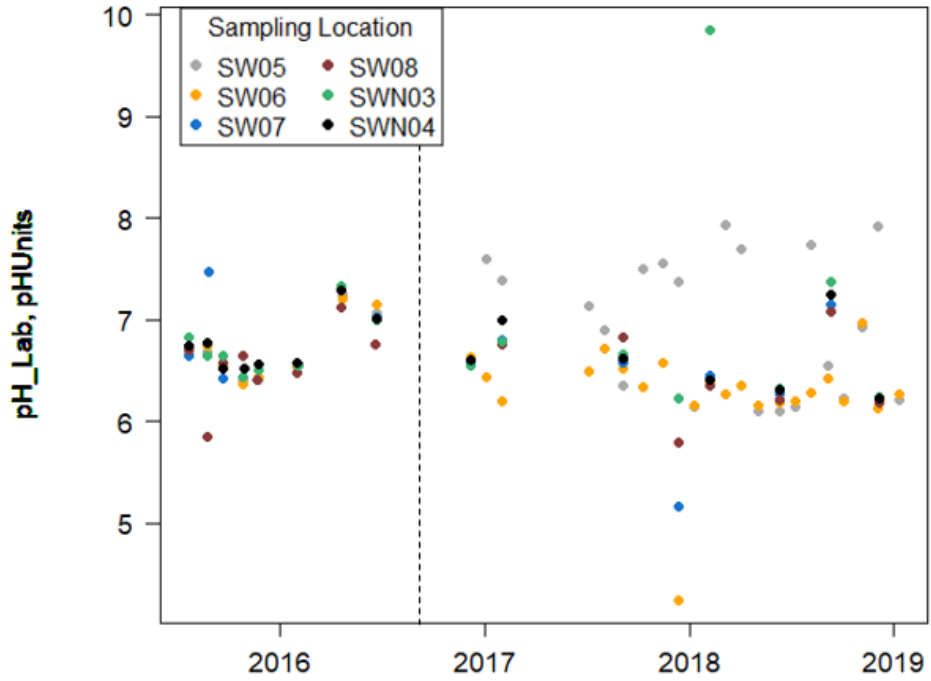


Figure E-9 Timeseries of pH; dashed line separates the baselines.

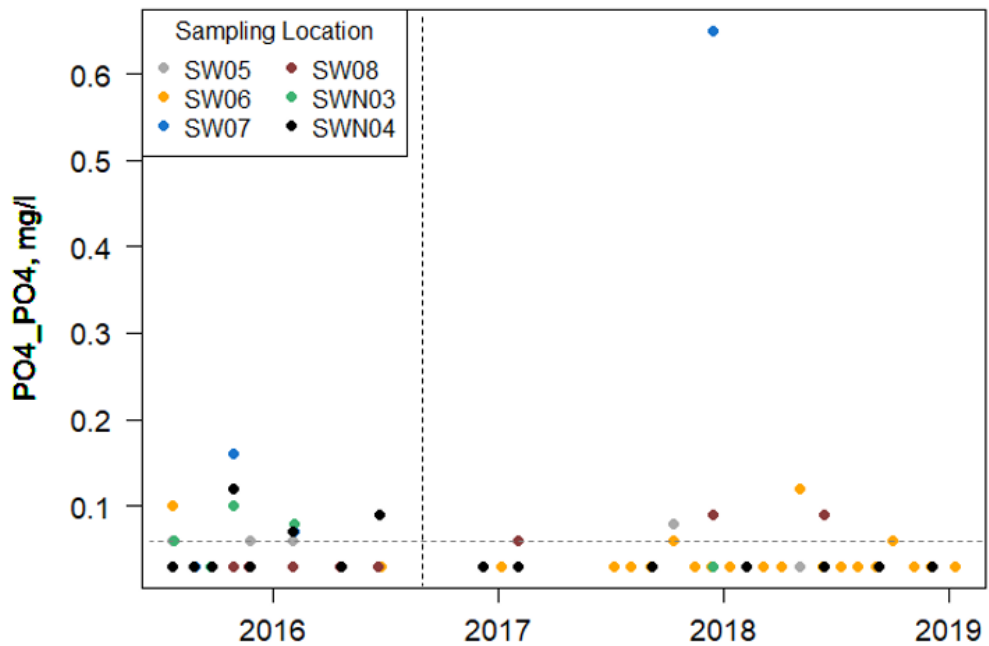


Figure E-10 Timeseries of phosphate as PO₄; vertical dashed line separates the baselines and horizontal dashed line indicates the LOD.

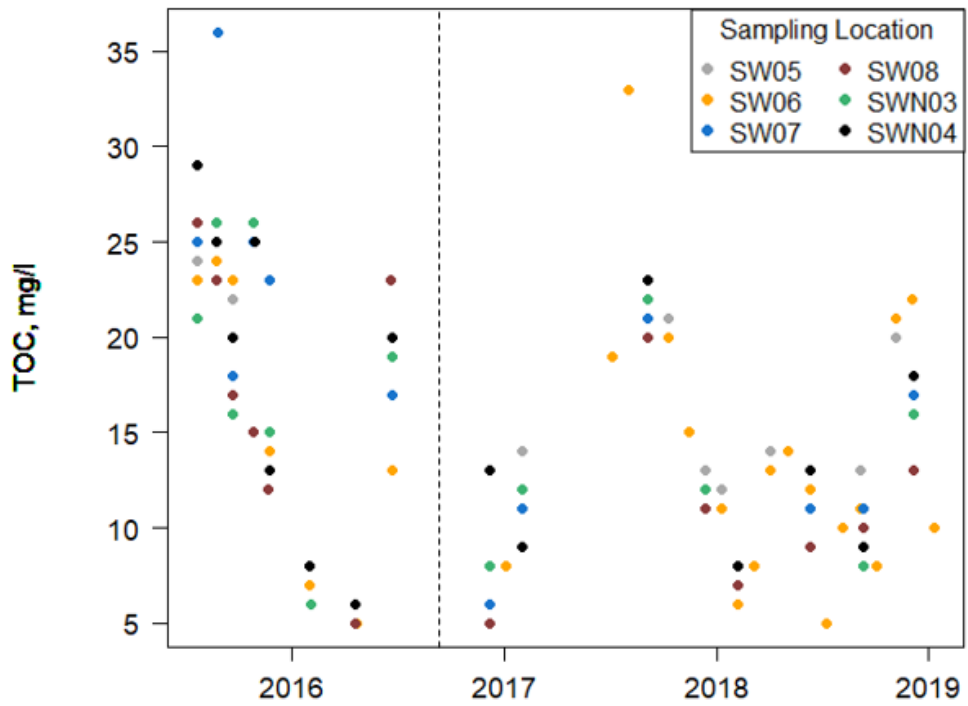


Figure E-11 Timeseries of total organic carbon; dashed line separates the baselines.

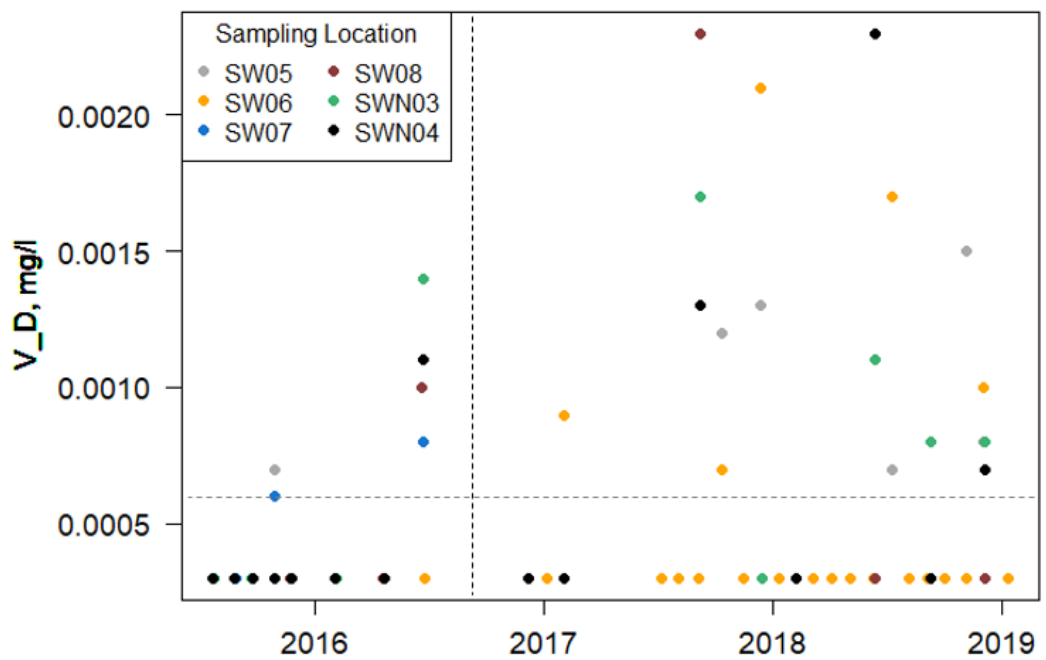


Figure E-12 Timeseries of dissolved vanadium; vertical dashed line separates the baselines and horizontal dashed line indicates the LOD.

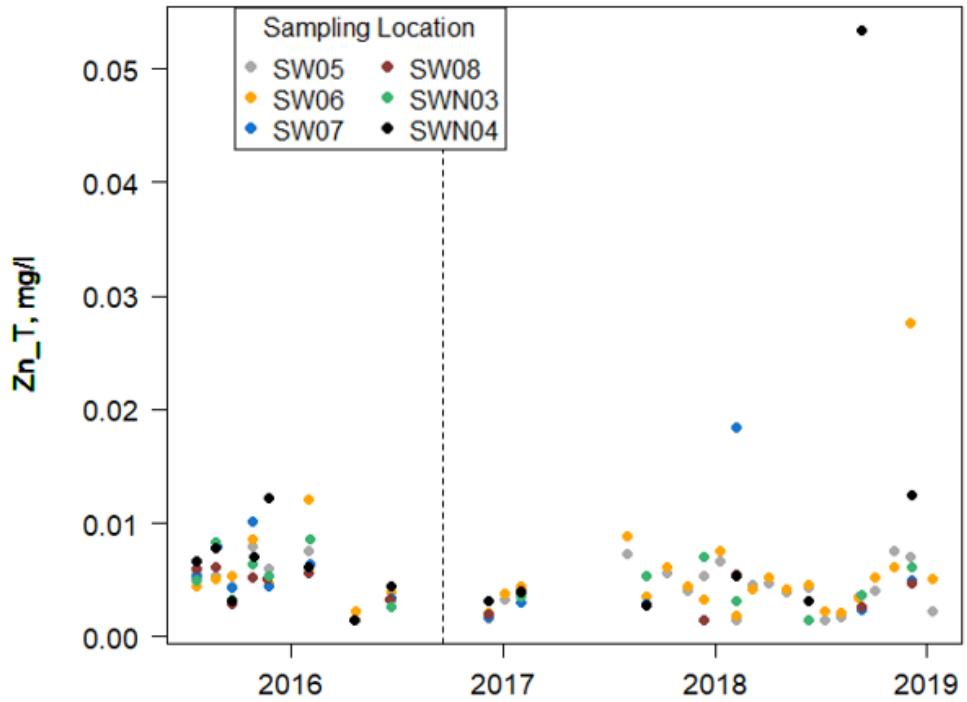


Figure E-13 Timeseries of total zinc; dashed line separates the baselines.

TRIBUTARIES OF THE OWENKILLEW RIVER

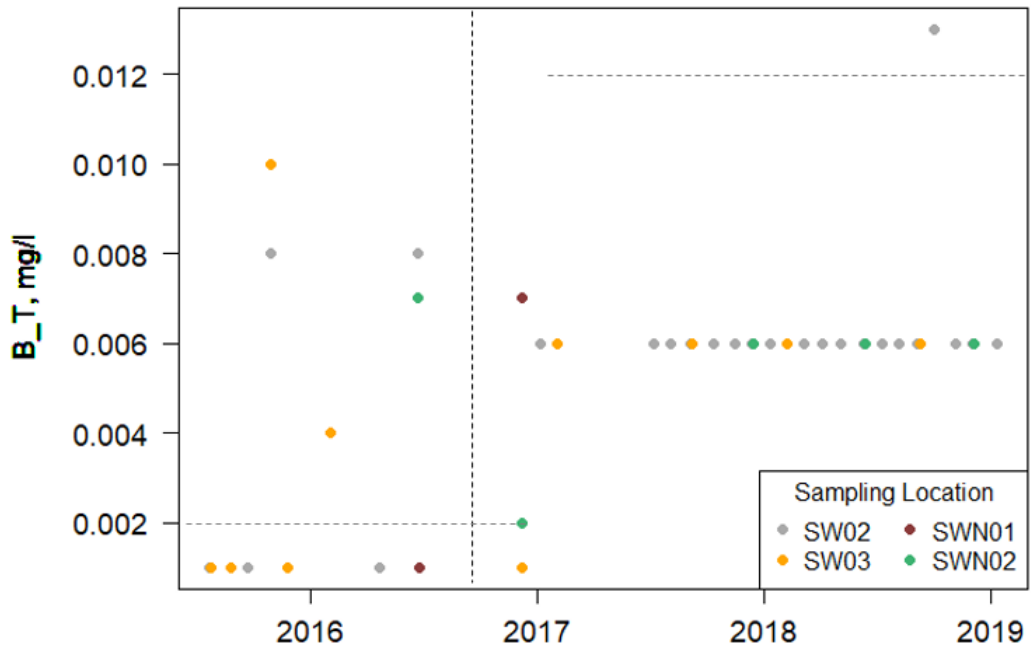


Figure E-14 Timeseries of total boron; vertical dashed line separates the baselines and horizontal dashed lines indicate changing LODs.

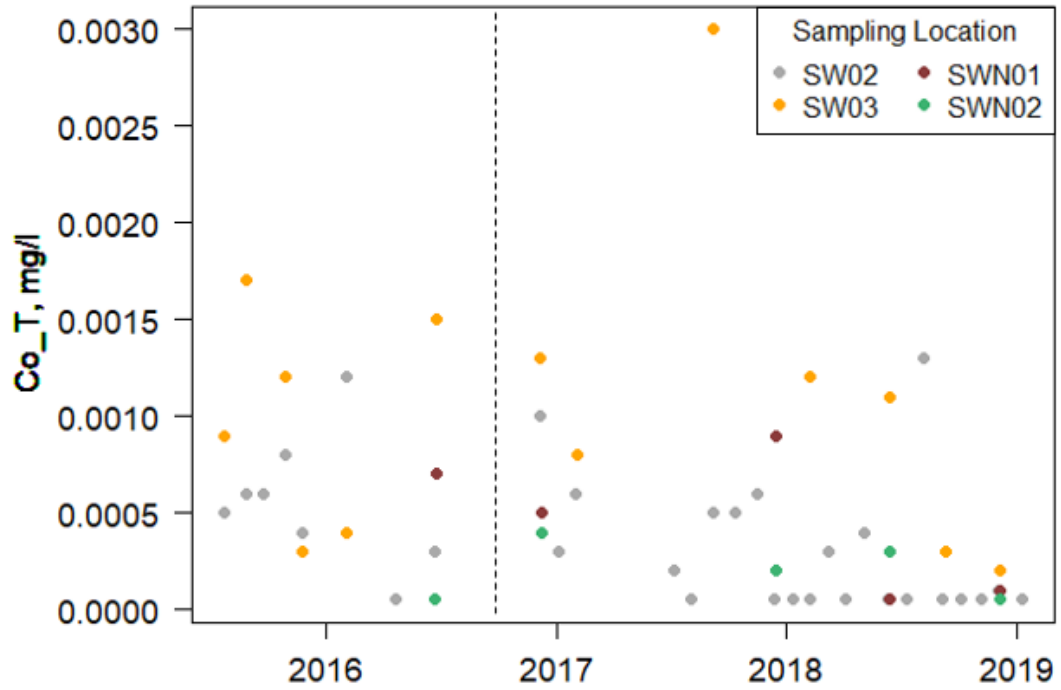


Figure E-17 Timeseries of total cobalt; dashed line separates the baselines.

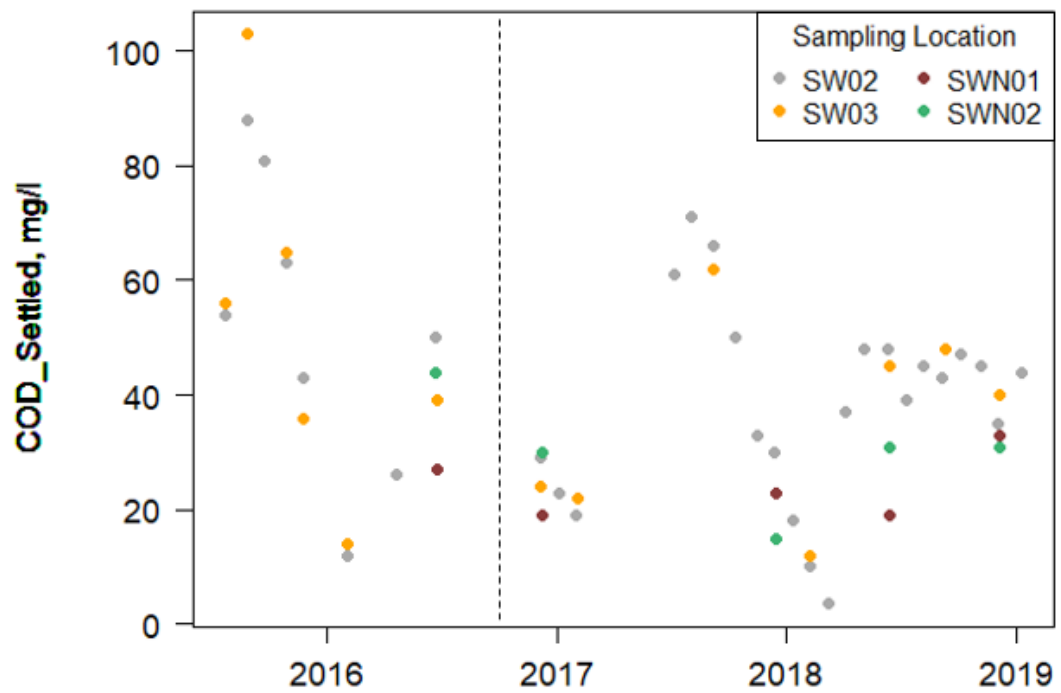


Figure E-18 Timeseries of chemical oxygen demand; dashed line separates the baselines.

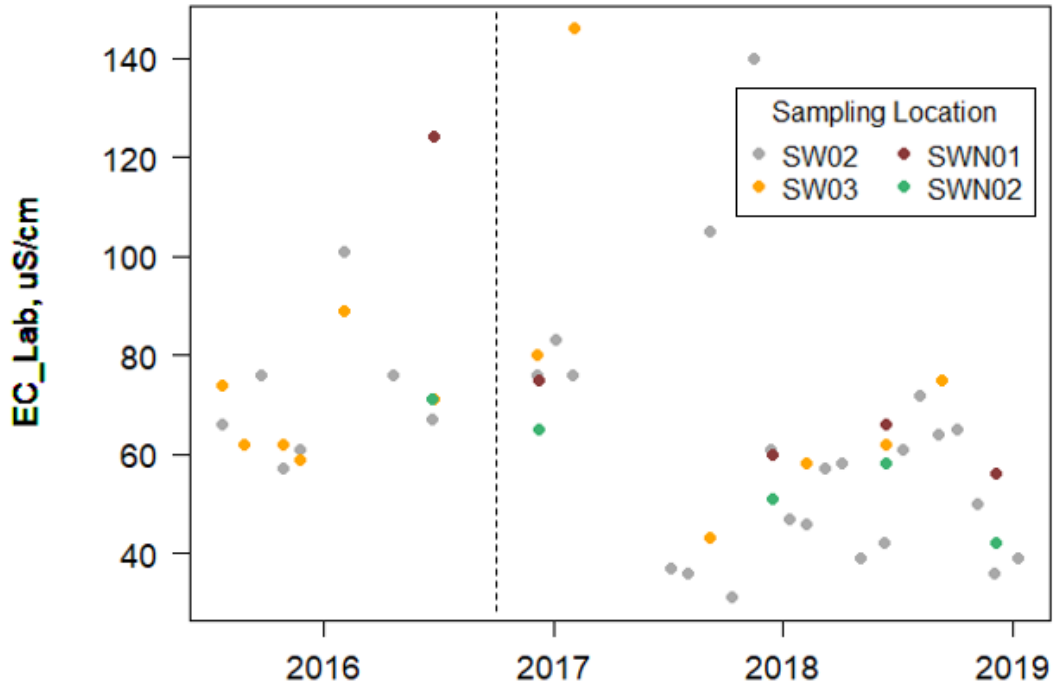


Figure E-21 Timeseries of electrical conductivity; dashed line separates the baselines.

OWENREAGH RIVER

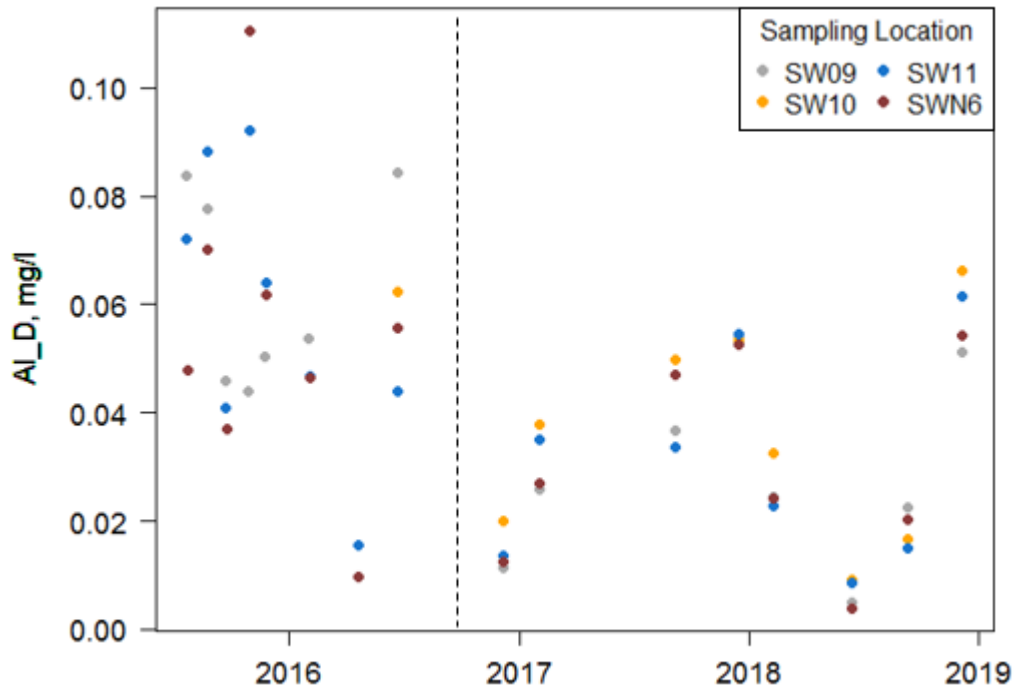


Figure E-22 Timeseries of dissolved aluminum; dashed line separates the baselines.

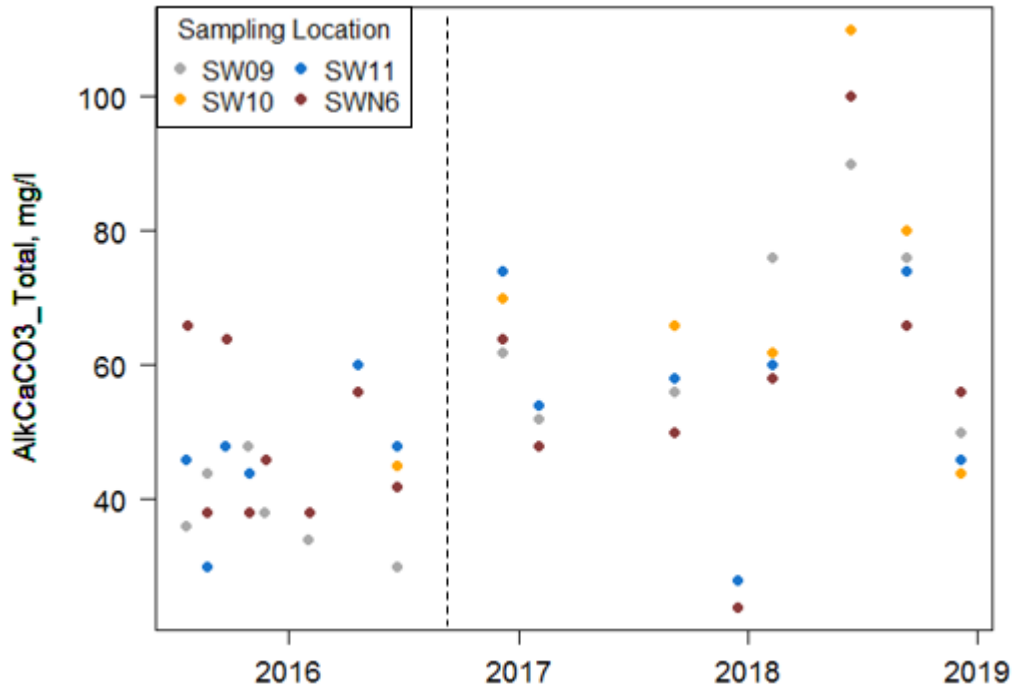


Figure E-23 Timeseries of total alkalinity as CaCO₃; dashed line separates the baselines.

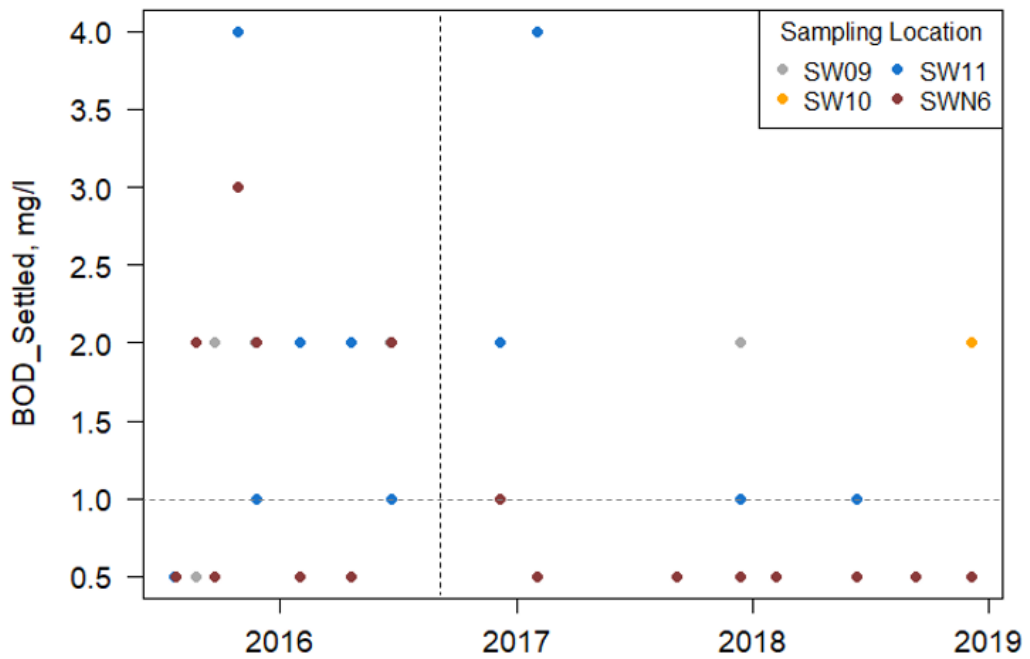


Figure E-24 Timeseries of biological oxygen demand; vertical dashed line separates the baselines and horizontal dashed line indicates the LOD.

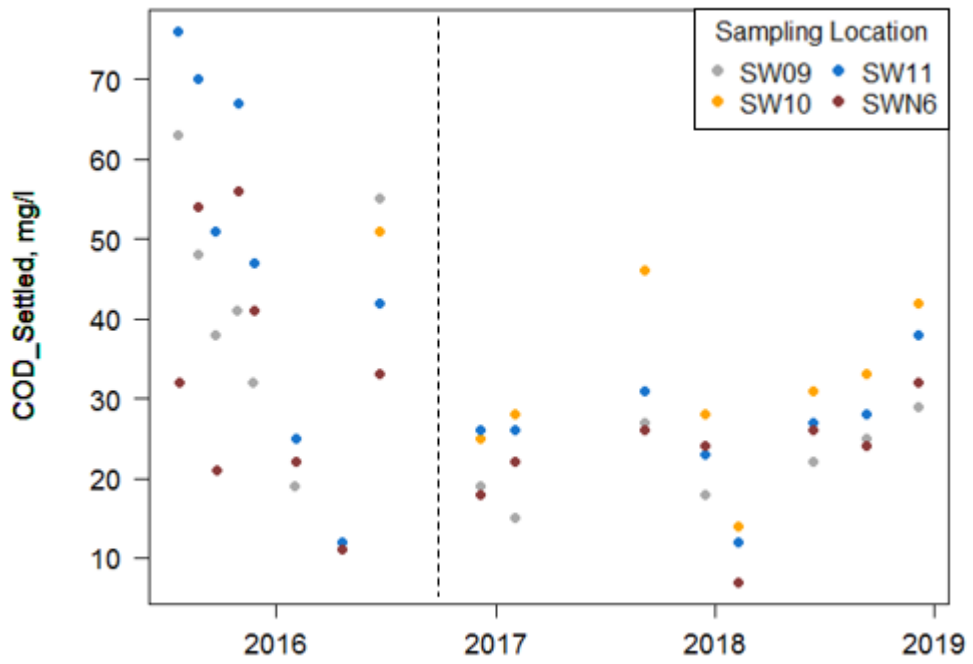


Figure E-25 Timeseries of chemical oxygen demand; dashed line separates the baselines.

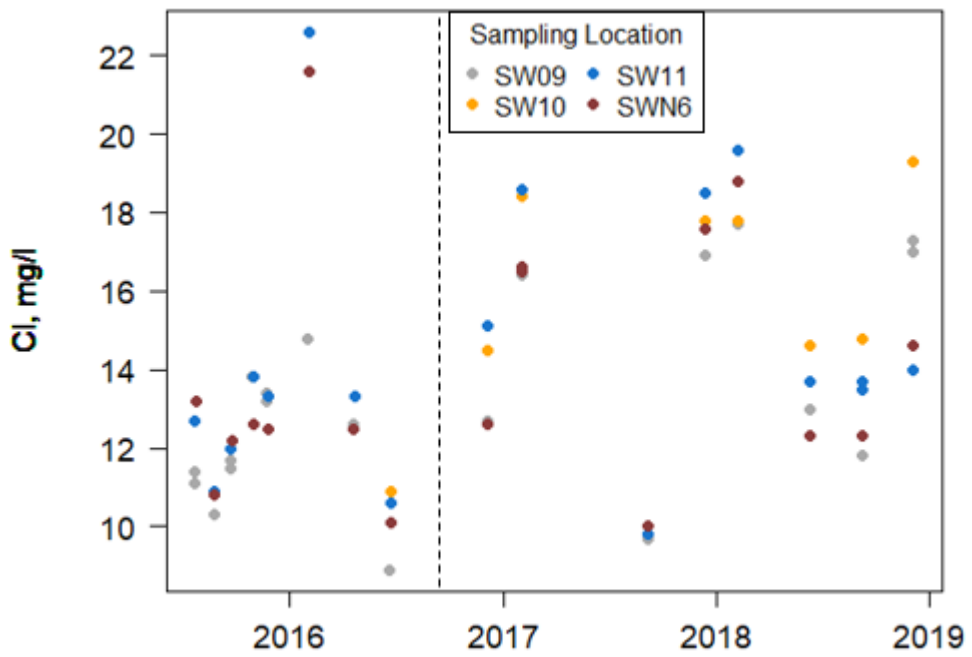


Figure E-26 Timeseries of chloride; dashed line separates the baselines.

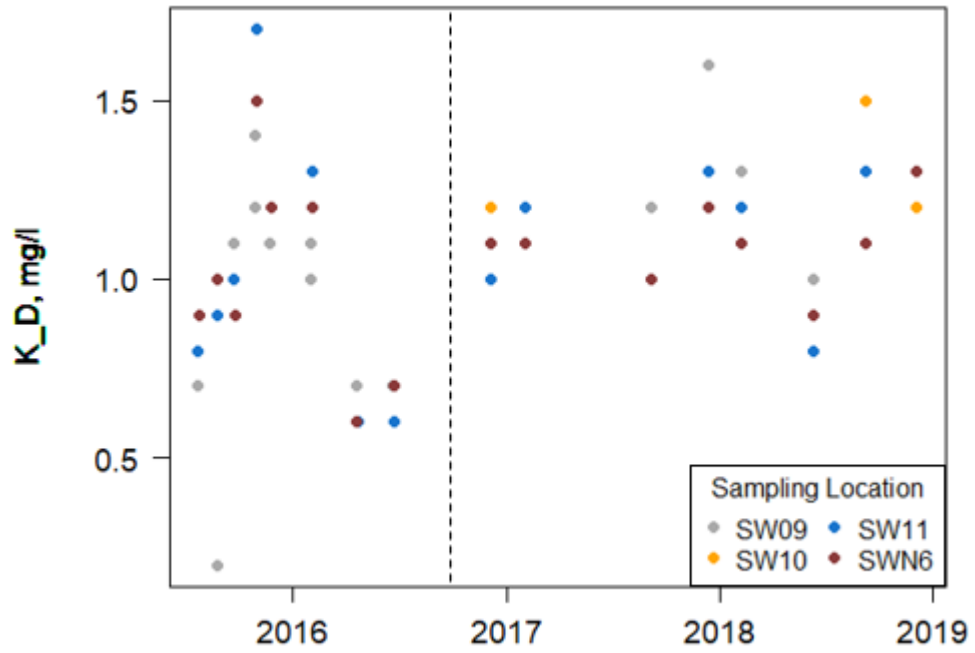


Figure E-27 Timeseries of dissolved potassium; dashed line separates the baselines.

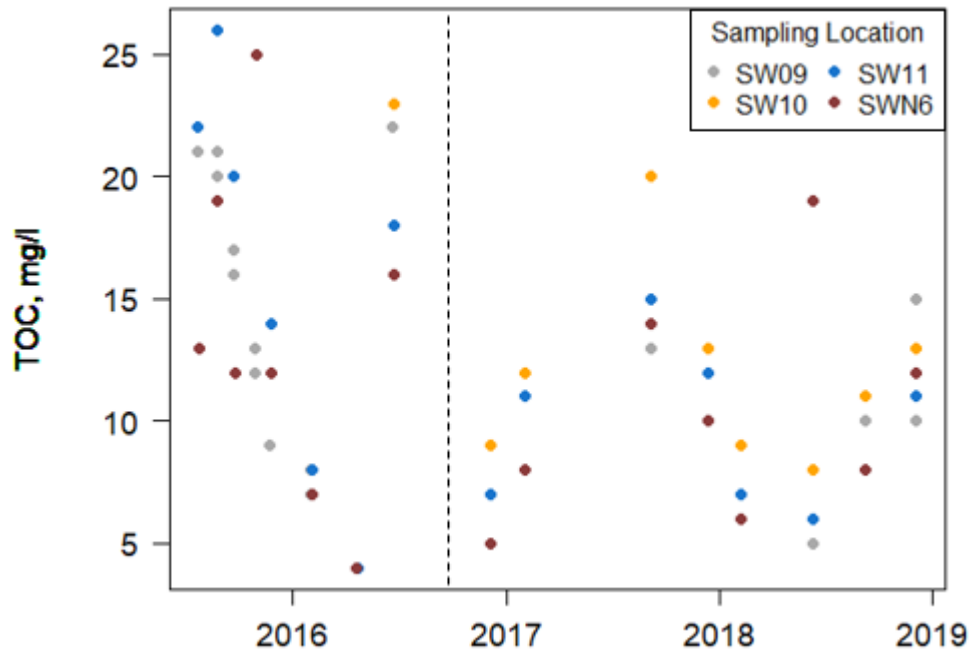


Figure E-28 Timeseries of total organic carbon; dashed line separates the baselines.

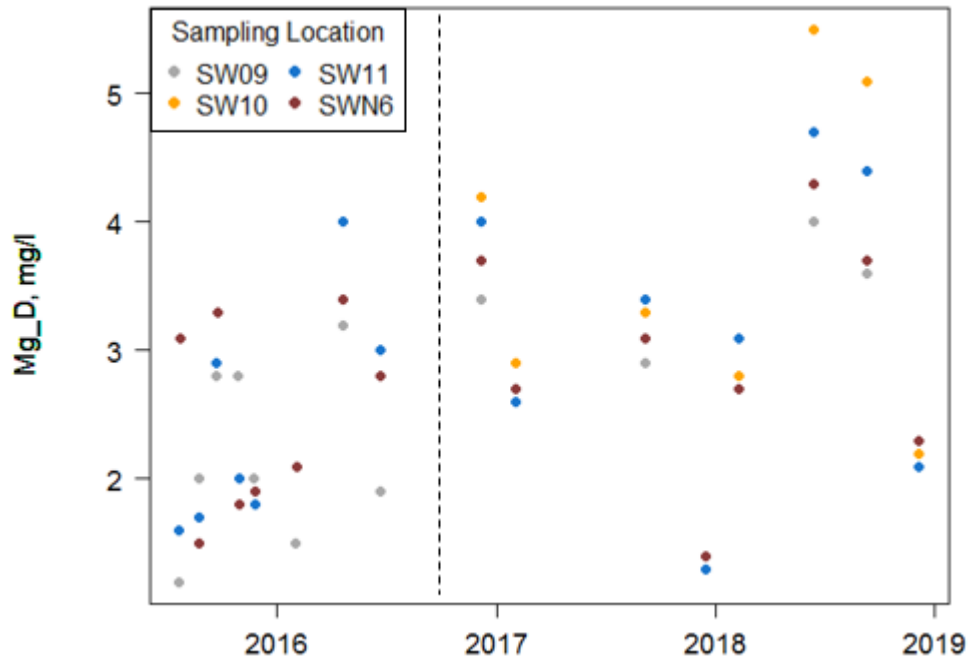


Figure E-29 Timeseries of dissolved magnesium; dashed line separates the baselines.

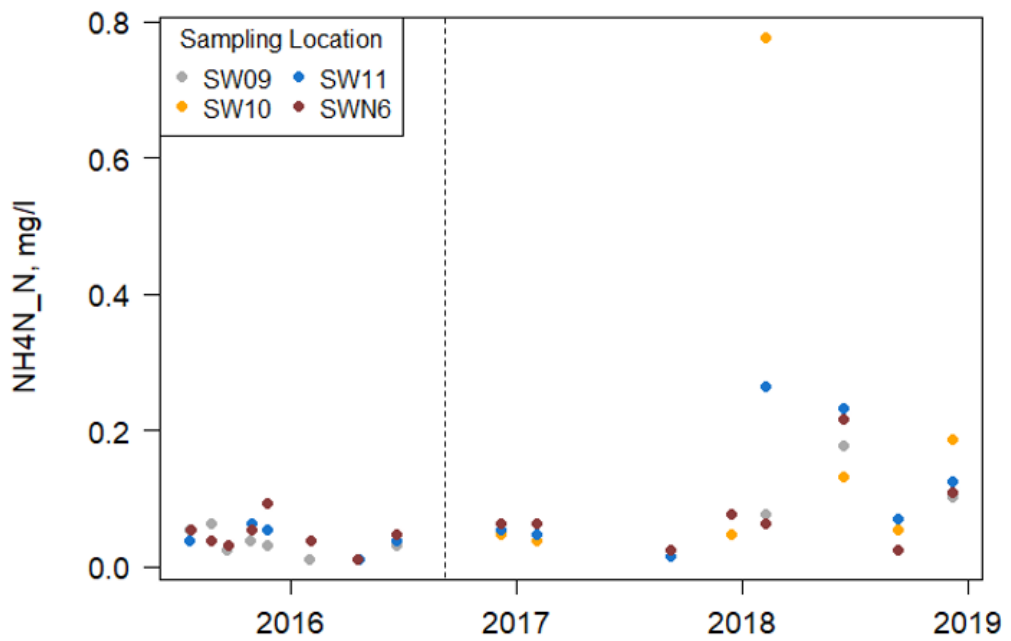


Figure E-30 Timeseries of ammonia; dashed line separates the baselines.

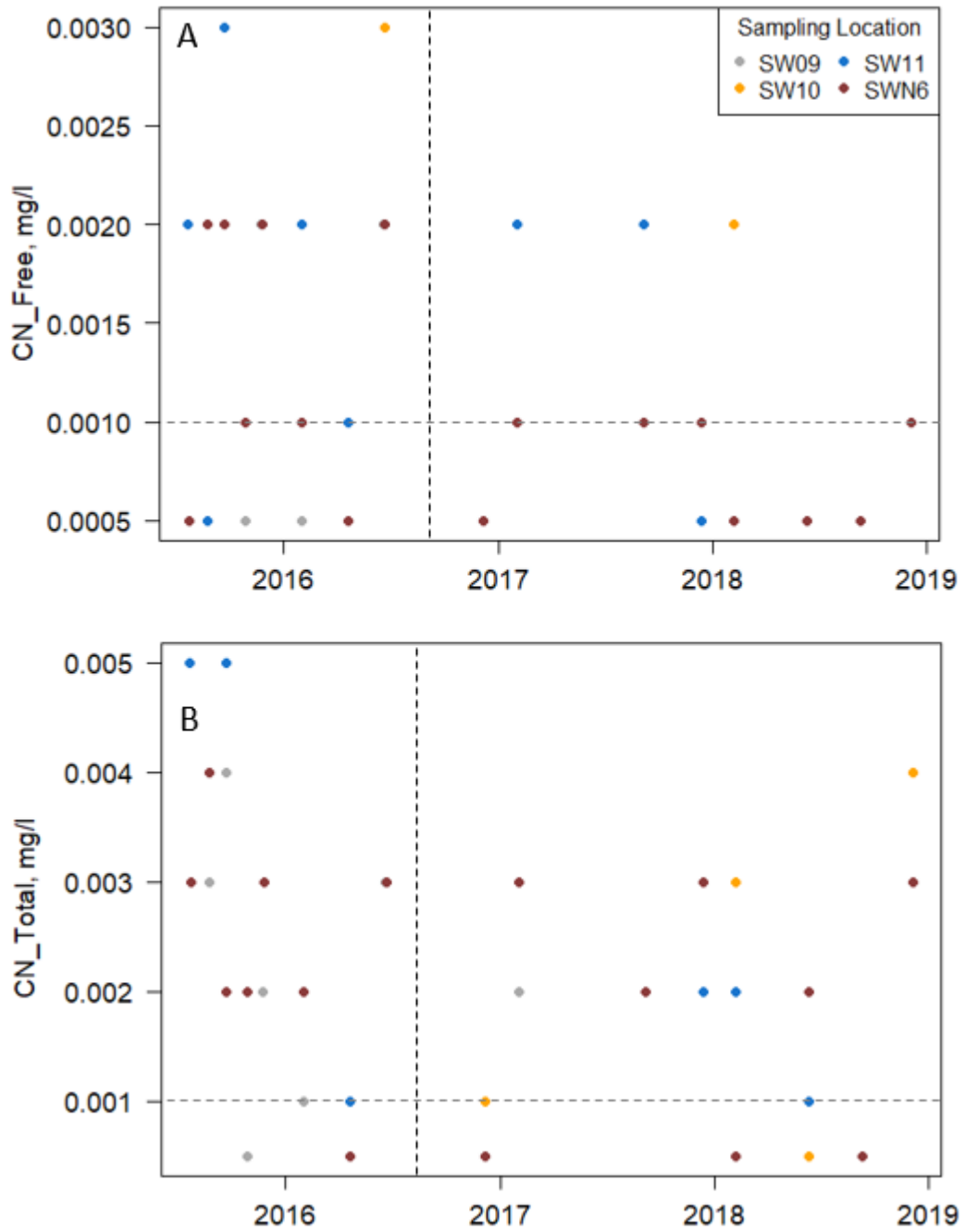


Figure E-31 Timeseries of (a) free and (b) total cyanide; vertical dashed line separates the baselines and horizontal dashed line indicates the LOD.

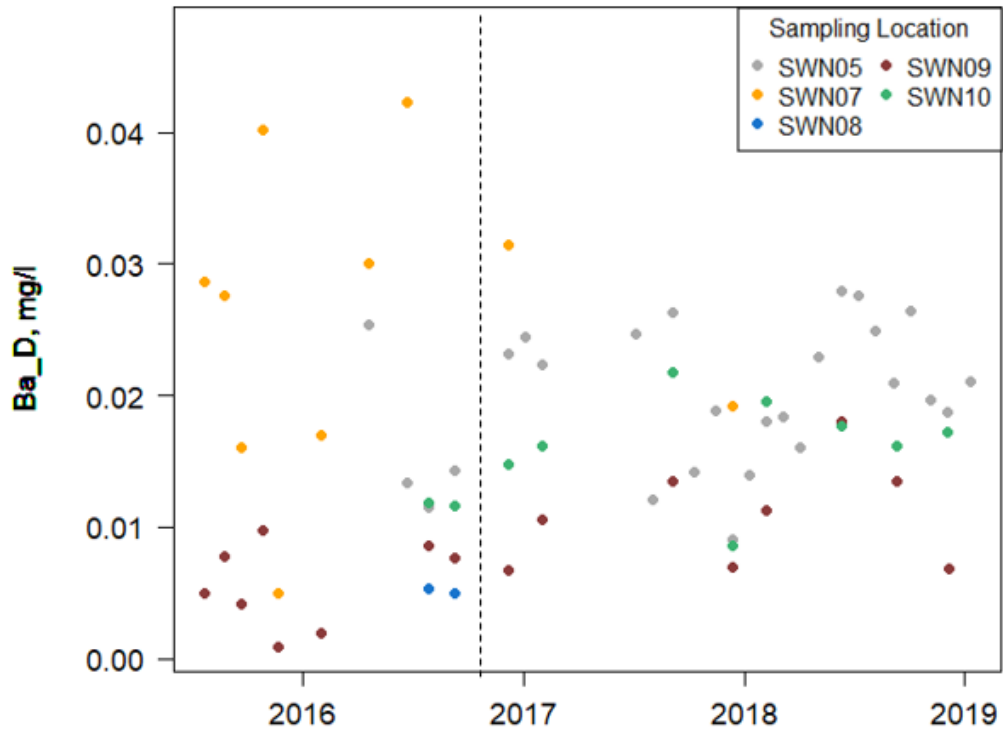


Figure E-38 Timeseries of dissolved barium; dashed line separates the baselines.

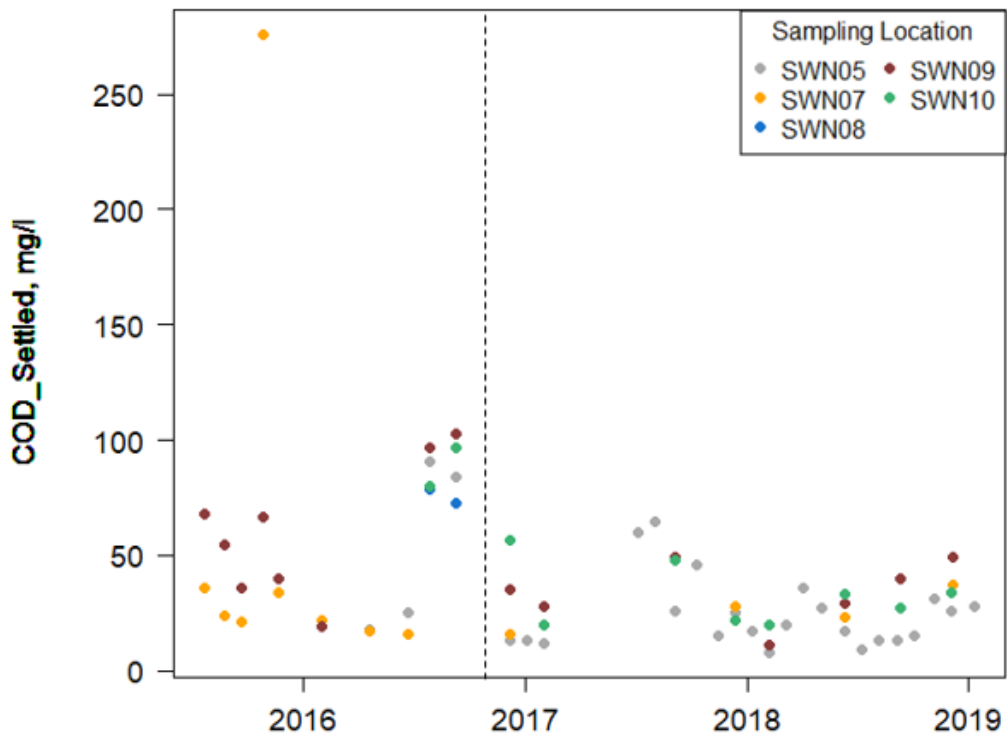


Figure E-39 Timeseries of chemical oxygen demand; dashed line separates the baselines.

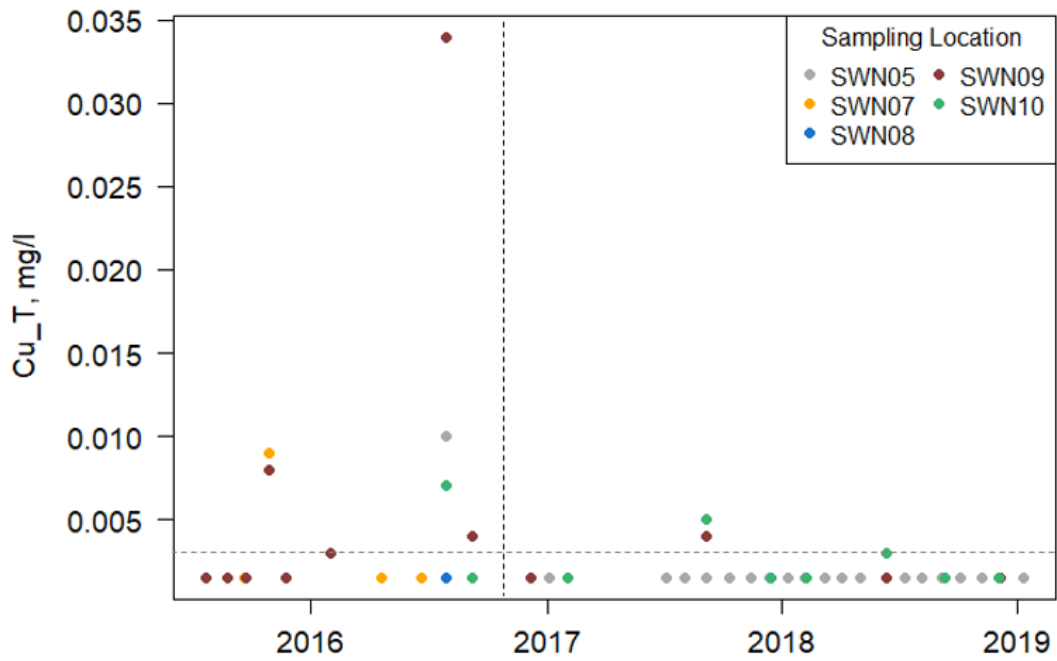


Figure E-40 Timeseries of total copper; vertical dashed line separates the baselines and horizontal dashed line indicates the LOD.

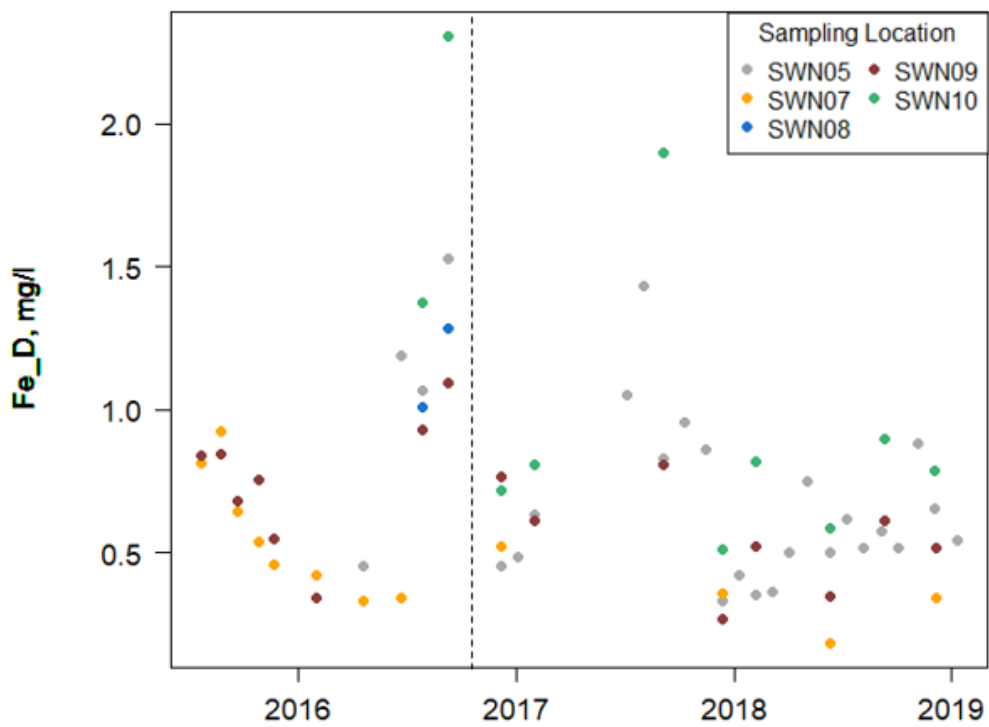


Figure E-41 Timeseries of dissolved iron; dashed line separates the baselines.

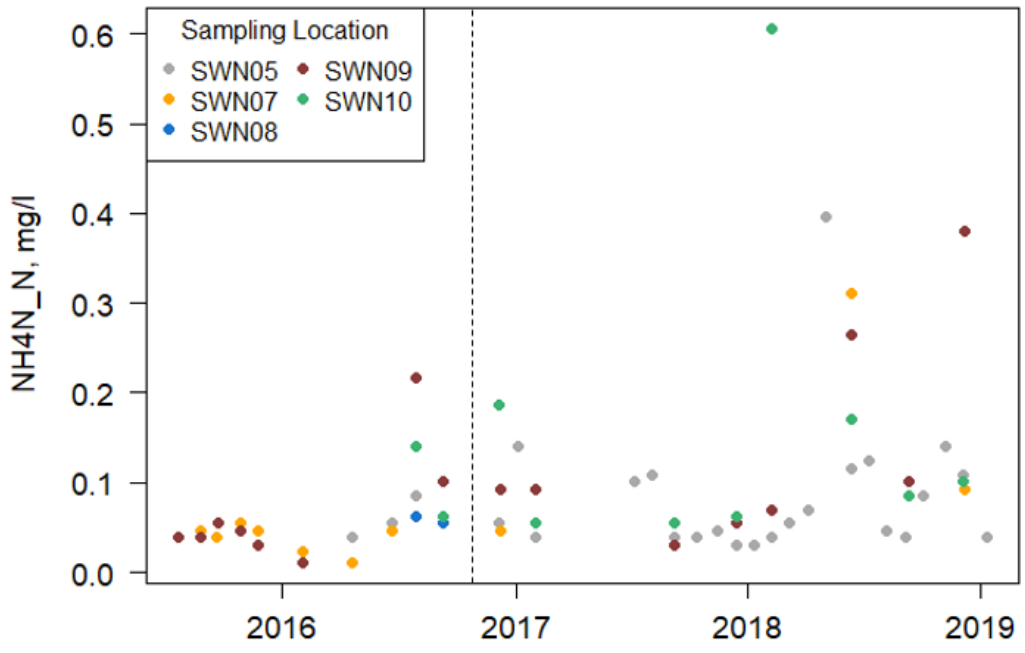


Figure E-44 Timeseries of ammonia; dashed line separates the baselines.

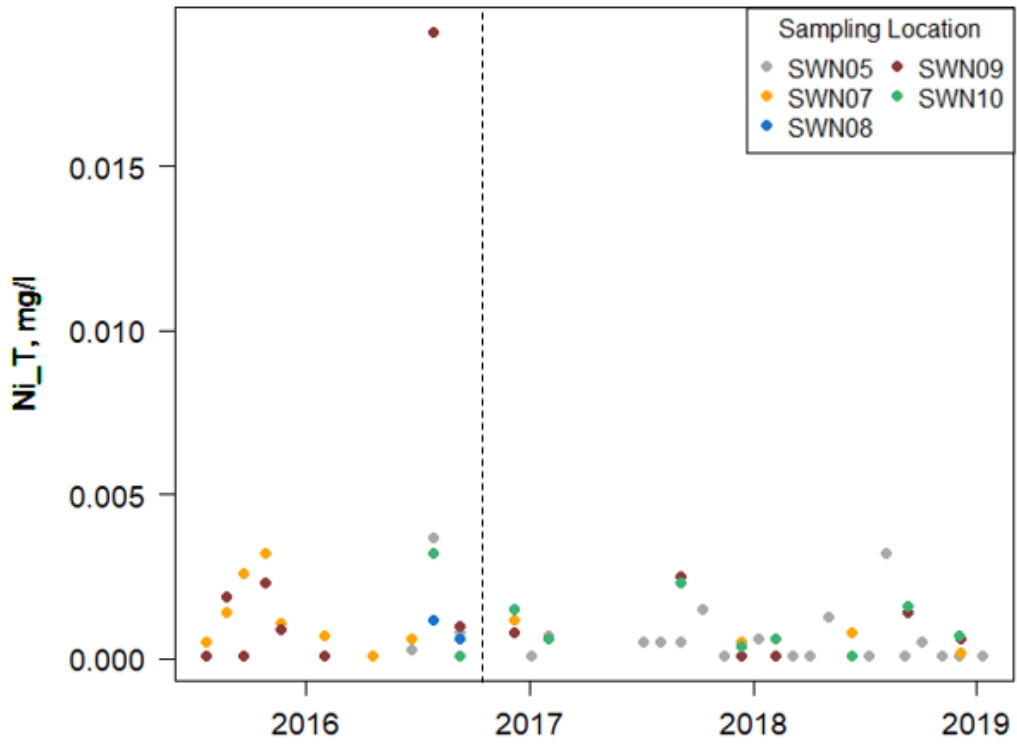


Figure E-45 Timeseries of total nickel; dashed line separates the baselines.

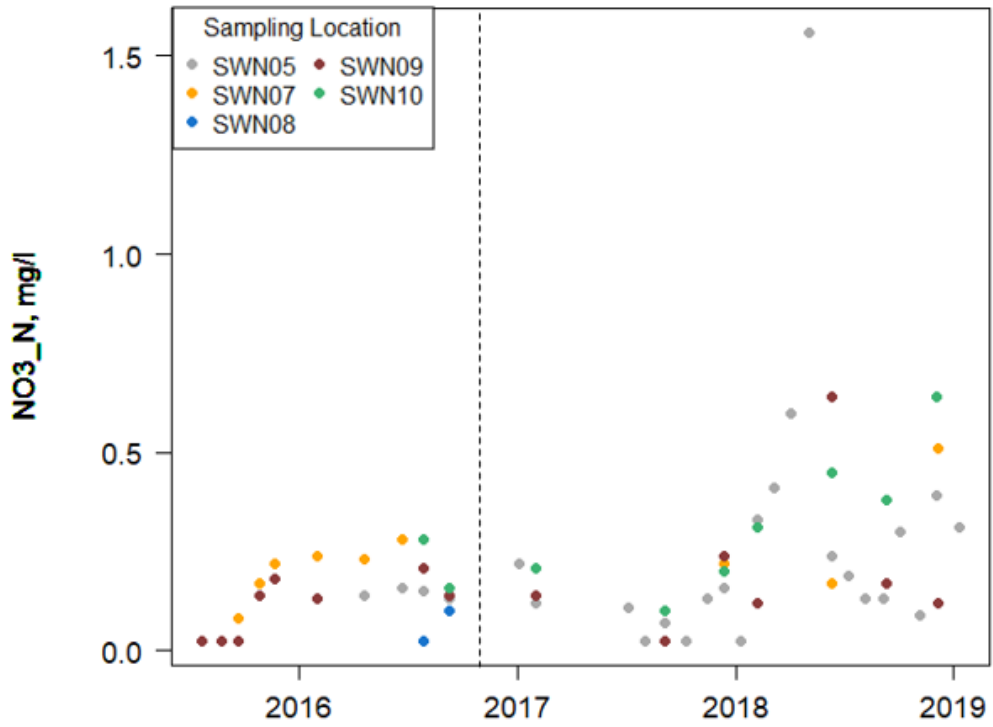


Figure E-46 Timeseries of nitrate (as N); dashed line separates the baselines.

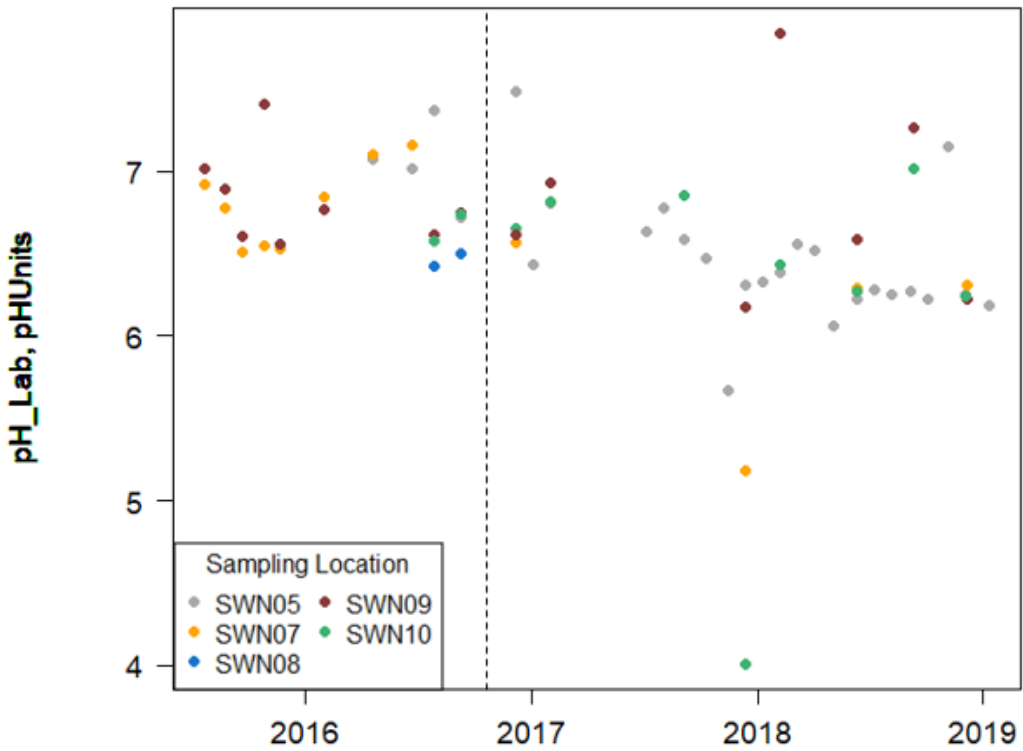


Figure E-47 Timeseries of pH (lab); dashed line separates the baselines.

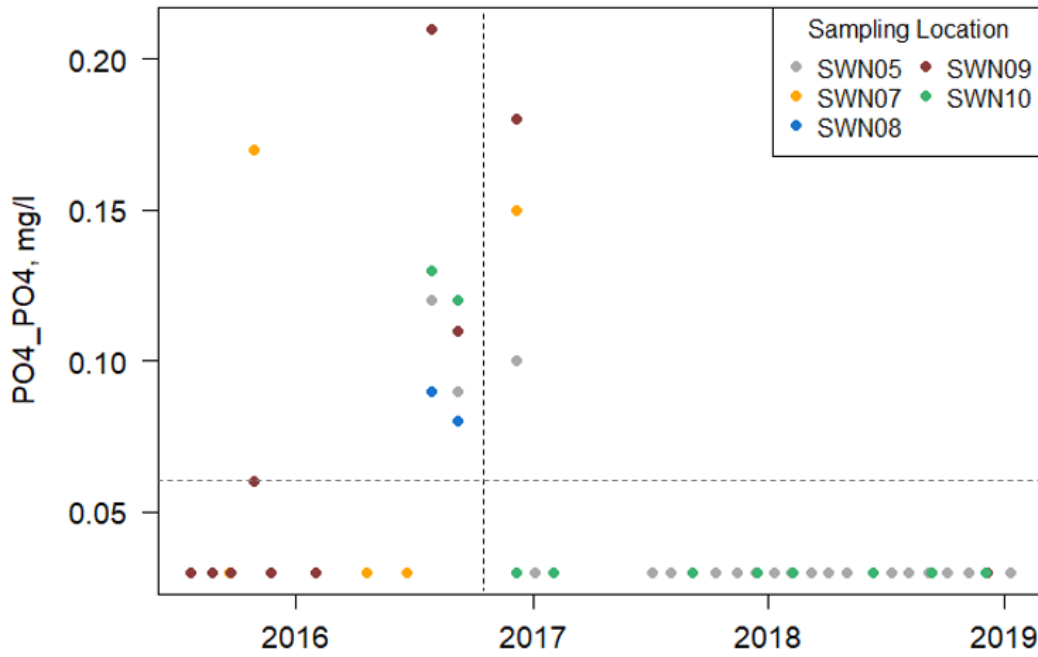


Figure E-48 Timeseries of phosphate; vertical dashed line separates the baselines and horizontal dashed line indicates the LOD.

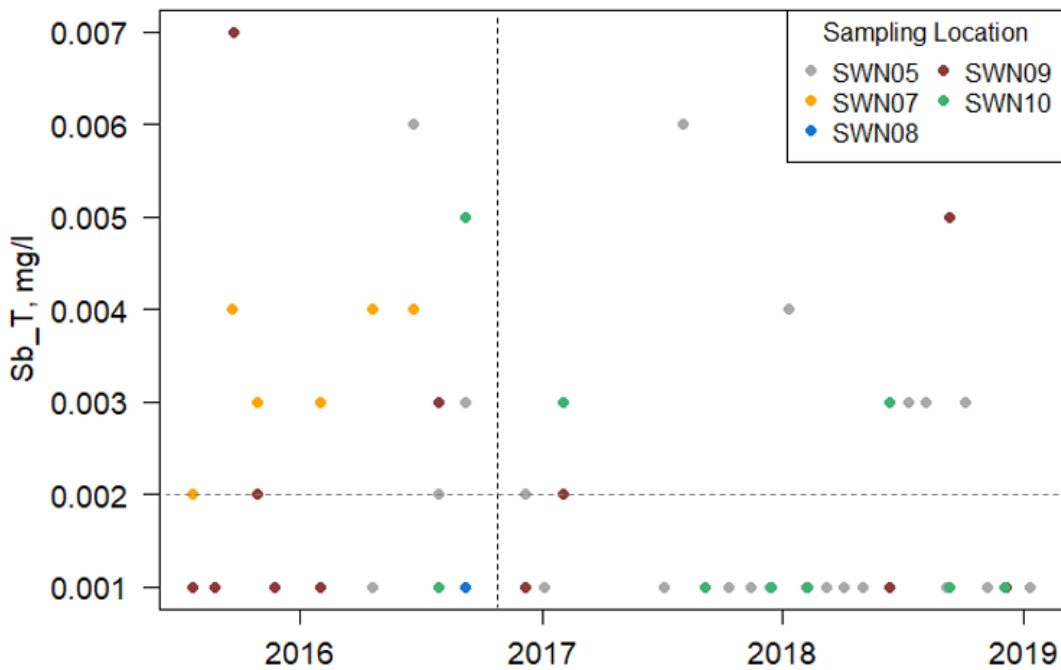


Figure E-49 Timeseries of total antimony; vertical dashed line separates the baselines and horizontal dashed line indicates the LOD.

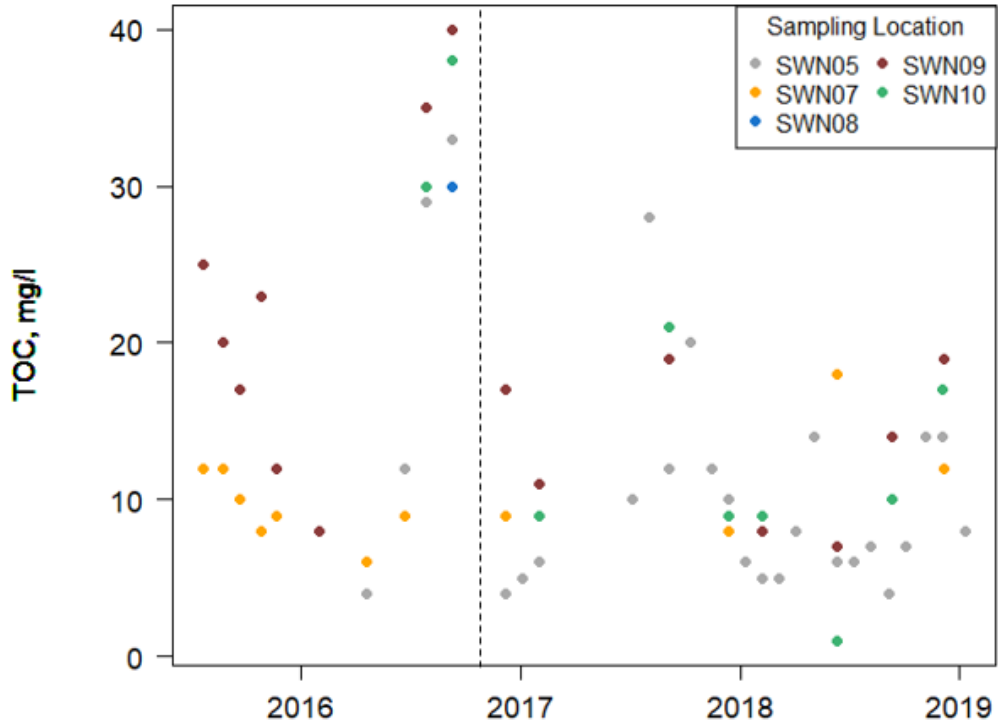


Figure E-50 Timeseries of total organic carbon; dashed line separates the baselines.

OWENKILLEW / STRULE RIVER (DOWNSTREAM OF CONFLUENCE WITH OWENREAGH)

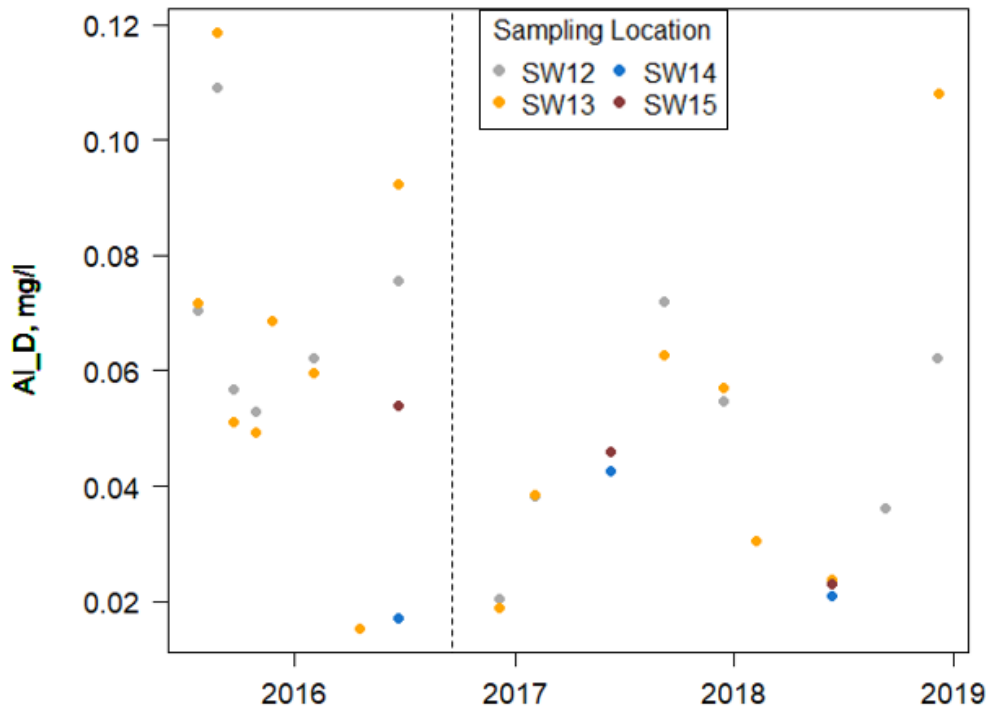


Figure E-51 Timeseries of dissolved aluminium; dashed line separates the baselines.

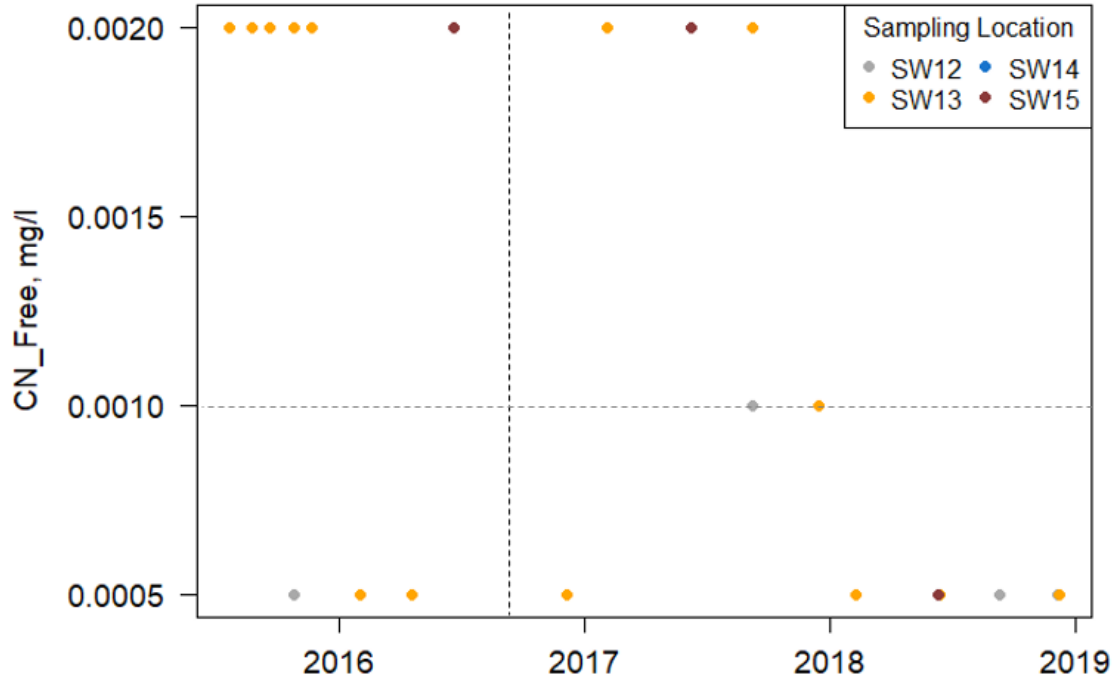


Figure E-56 Timeseries of free cyanide; vertical dashed line separates the baselines and horizontal dashed line indicates the LOD.

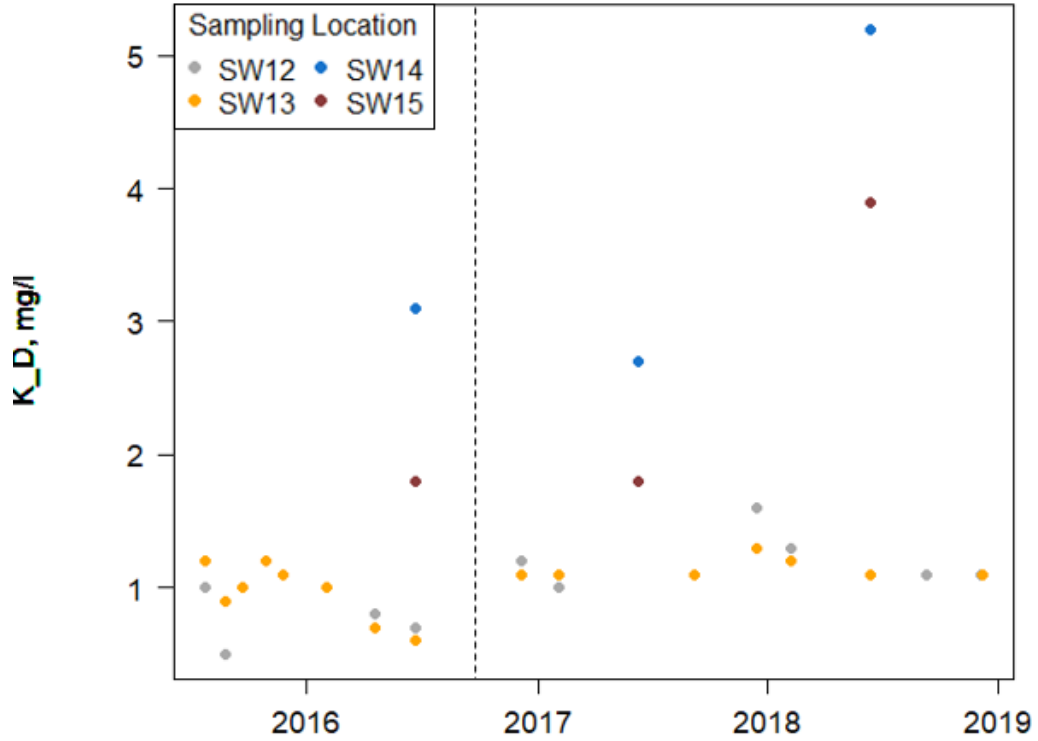


Figure E-57 Timeseries of dissolved potassium; dashed line separates the baselines.

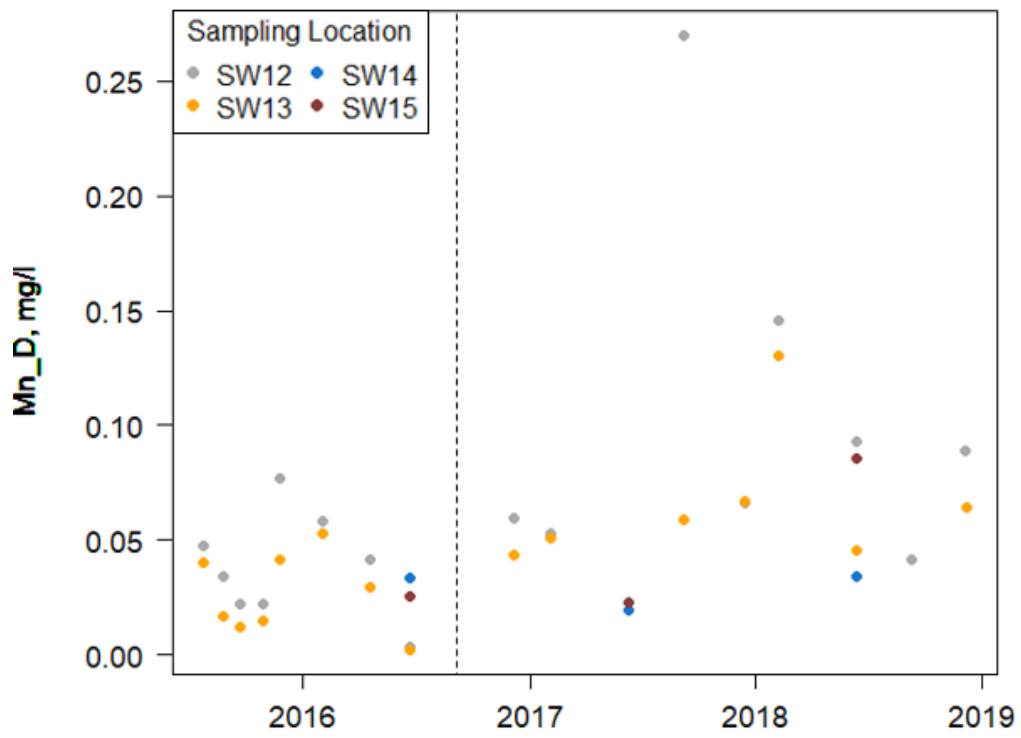


Figure E-58 Timeseries of dissolved manganese; dashed line separates the baselines.

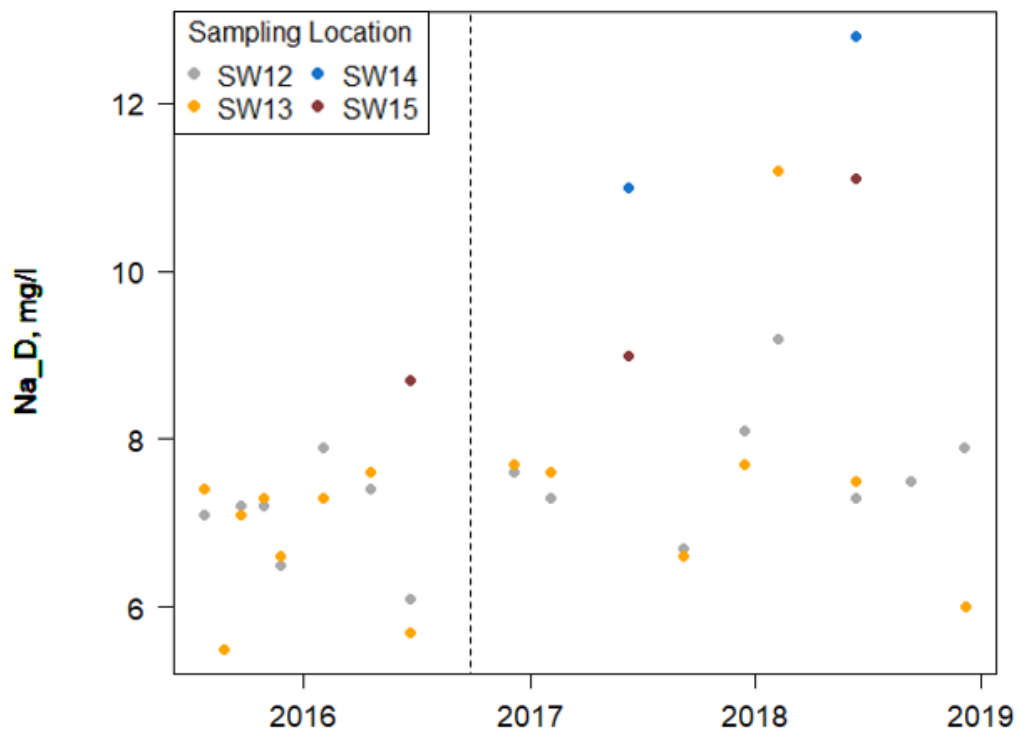


Figure E-59 Timeseries of dissolved sodium; dashed line separates the baselines.

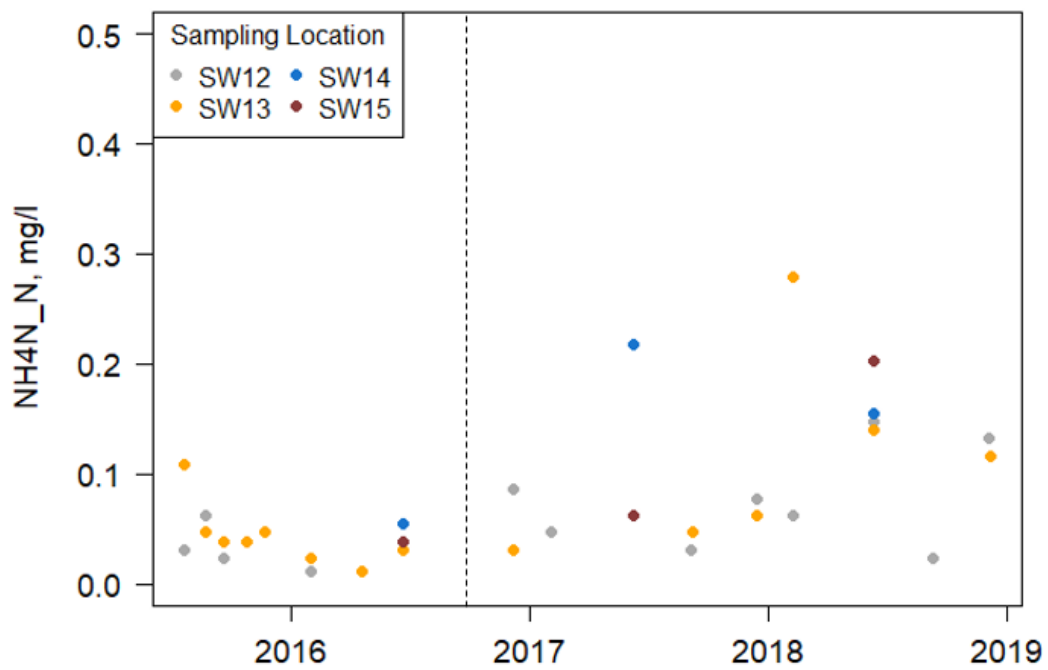


Figure E-60 Timeseries of ammonia; dashed line separates the baselines.

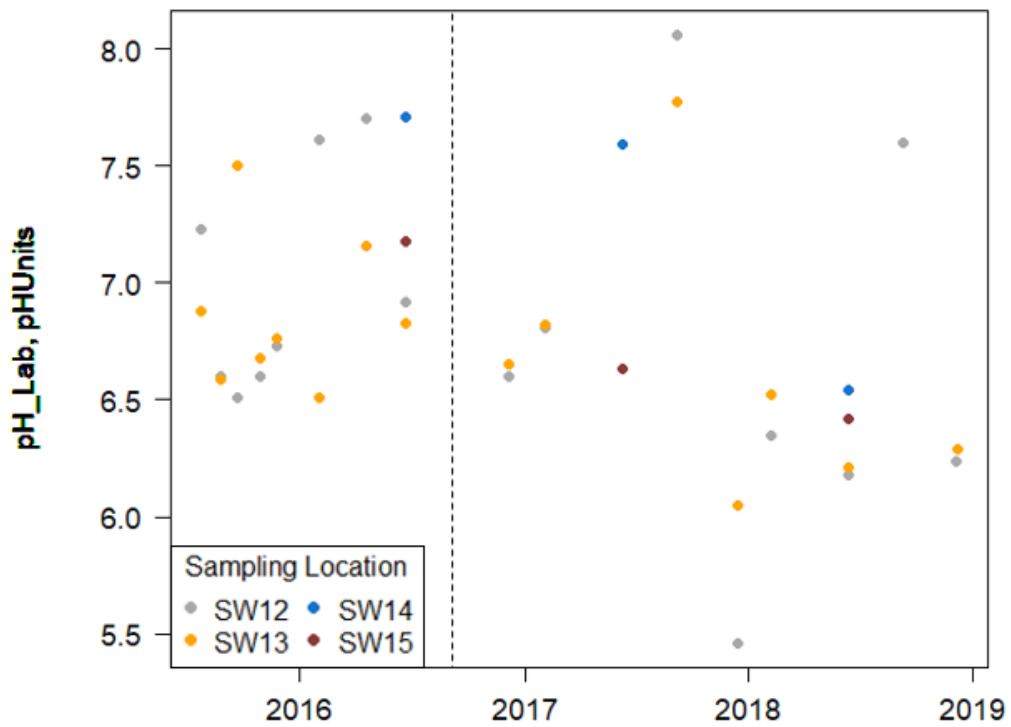


Figure E-61 Timeseries of pH (lab); dashed line separates the baselines.

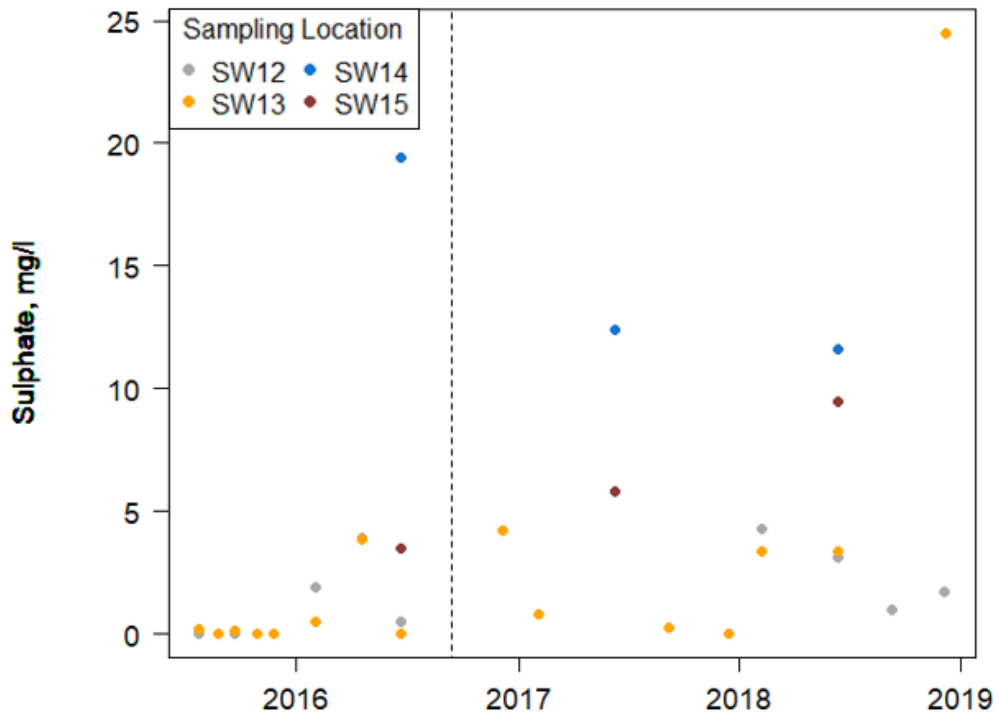


Figure E-62 Timeseries of sulphate; dashed line separates the baselines.