

**Details of spreadsheet for Nuwejaars Water Quality data collected**

<b>Column name</b>	<b>Description</b>
<b>Name</b>	Site name
<b>Month</b>	Month of sampling
<b>Year</b>	Year of sampling
<b>Y</b>	Latitude in Decimal degrees
<b>X</b>	Longitude in Decimal degrees

<b>Water quality columns</b>	<b>Each column is separated into the mean and standard deviation (StdDev) based on at least three samples taken at a site. The units of measurement are given as part of the heading name. Variables measured in situ using a YSI</b>
<b>Depth_cm</b>	Depth of water at sample point
<b>StdDev_Depth</b>	
<b>Temp_C</b>	Water temperature
<b>StdDev_Temp</b>	
<b>pH</b>	pH
<b>StdDev_pH</b>	
<b>Conductivity_mS_cm</b>	Electrical conductivity
<b>StdDev_Conductivity</b>	
<b>TDS_mg_L</b>	Total dissolved solids
<b>StdDev_TDS</b>	
<b>DO_ml_L</b>	Dissolved oxygen
<b>StdDev_DO</b>	
<b>ORP_mV</b>	Oxidative reductive potential
<b>StdDev_ORP</b>	
<b>Salinity_ppt</b>	Salinity - parts per thousand
<b>StdDev_Salinity</b>	
<b>Resistivity_Ohms</b>	Resistivity
<b>StdDev_Resistivity</b>	
<b>Barometer</b>	Air pressure in kPa
<b>Stdev_Baro</b>	
<b>Diss Oxygen_%</b>	Dissolved oxygen (%)
<b>StdDev_Diss Oxygen (%)</b>	

<b>Other water quality variables</b>	<b>Each column is separated into the mean and standard deviation (StdDev) based on at least three samples taken at a site. Variables measured with AquaFluor Handheld Fluorometer/Turbidimeter</b>
<b>CDOM</b>	Coloured Dissolved Organic Matter (ppb)
<b>StdDev_CDOM</b>	
<b>Chl-a</b>	Chlorophyll-a (µg/L) measured with AquaFluor Handheld Fluorometer/Turbidimeter
<b>StdDev_ChI-a</b>	

<b>Cyanobacteria</b>	Freshwater cyanobacteria (ppb) measured with AquaFluor Handheld Fluorometer/Turbidimeter
<b>StdDev_Cyanobacteria</b>	
<b>Nutrient samples</b>	<b><i>Water sample collected in field and measured in the Lab using standard methods</i></b>
<b>K mg.l-1</b>	Potassium
<b>Na mg.l-1</b>	Sodium
<b>Ca mg.l-1</b>	Calcium
<b>Mg mg.l-1</b>	Magnesium
<b>CL mg.l-1</b>	Chloride
<b>PO4 mg.l-1</b>	Phospate
<b>TP mg.l-1</b>	Total Phosphorus
<b>NO3 mg.l-1</b>	Nitrate
<b>TN mg.l-1</b>	Total Nitrogen