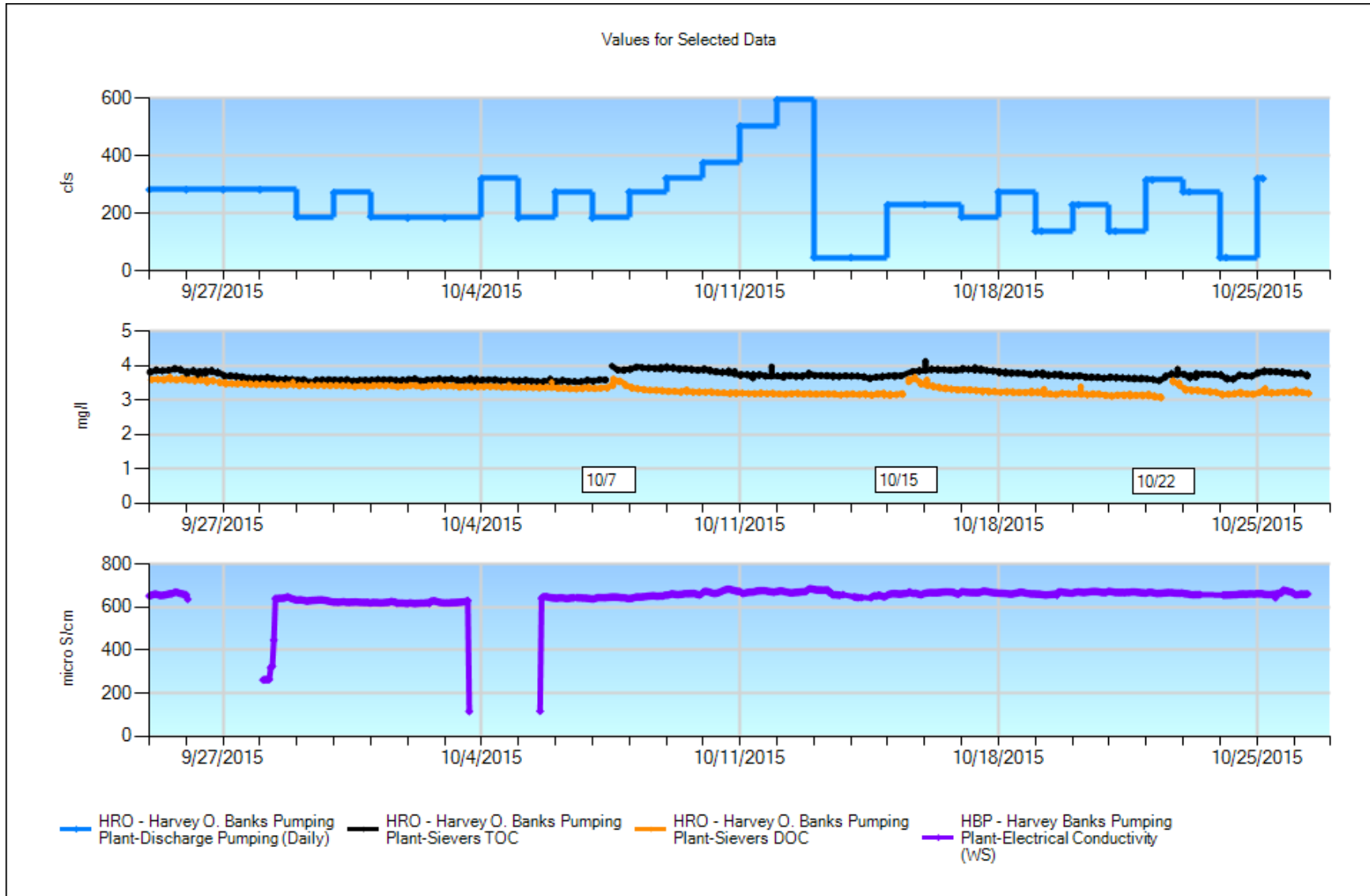
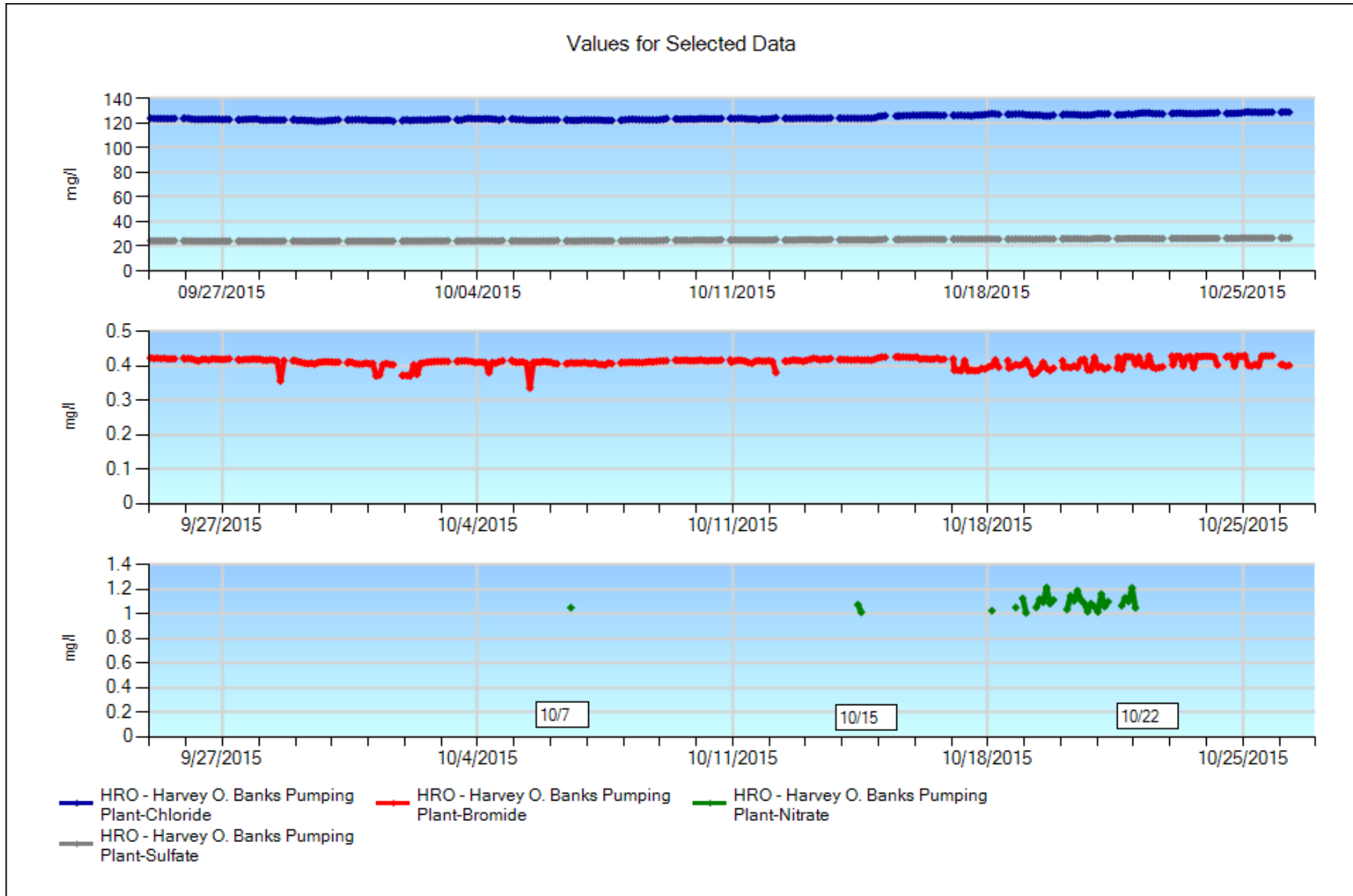


Banks Pumping Plant: Pumping – TOC, DOC - EC



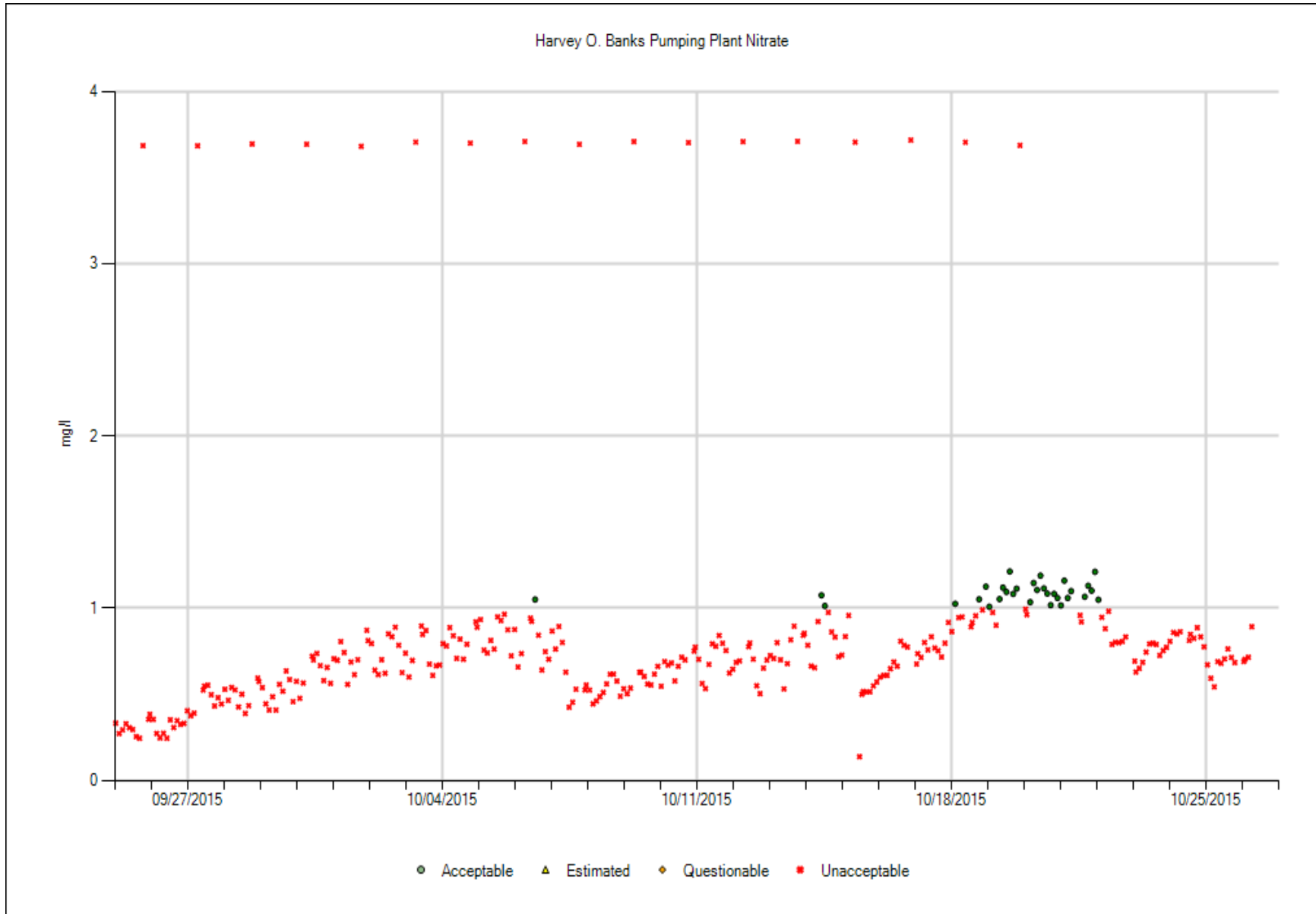
10/7: Delivery system filter change – 10/15: Delivery system filter change – 10/22: Delivery system filter change

Banks Pumping Plant: Chloride, Sulfate, Bromide, Nitrate

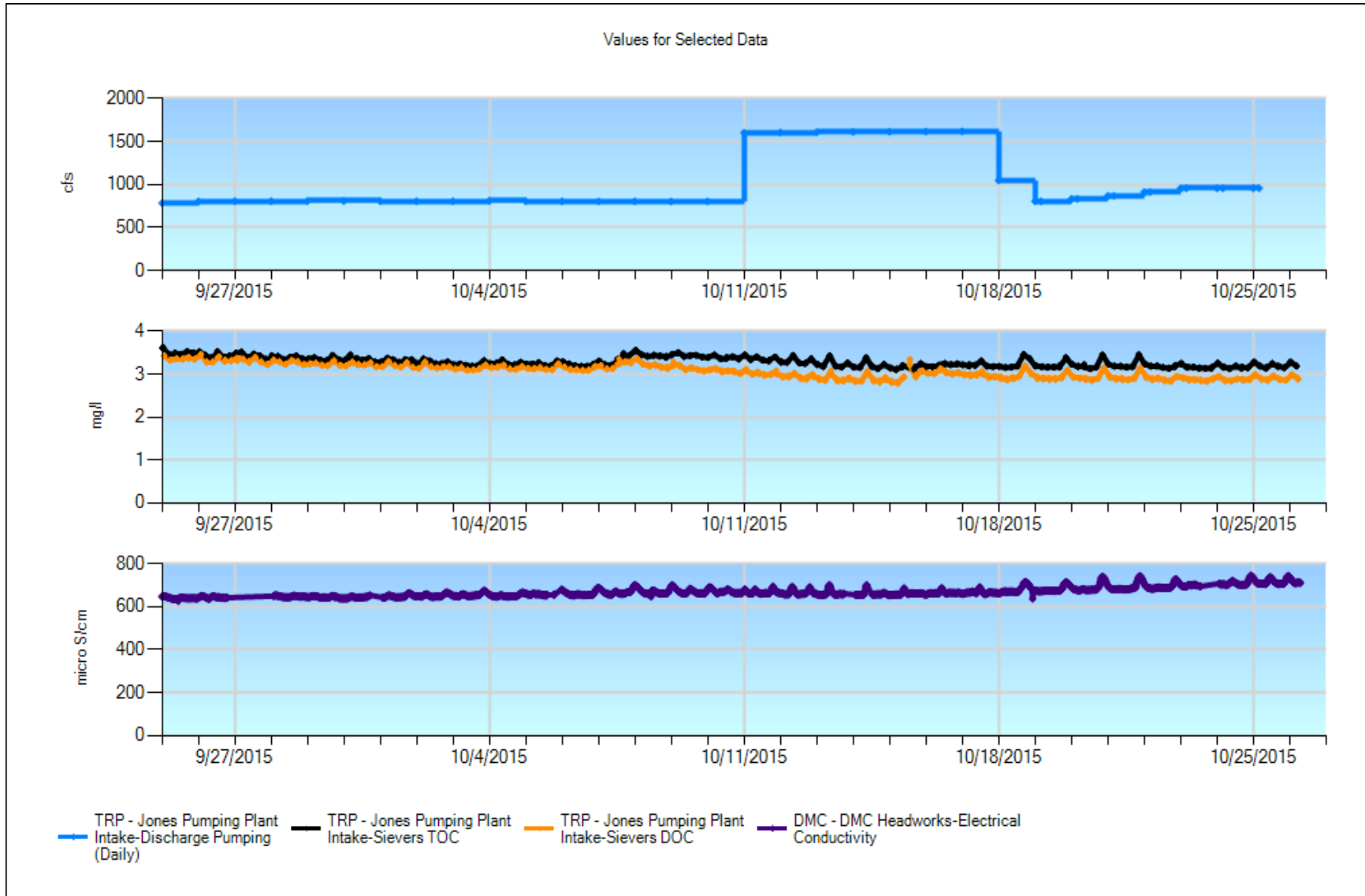


10/7: Delivery system filter change – 10/15: Delivery system filter change – 10/22: Delivery system filter change

Banks Pumping Plant: Nitrate

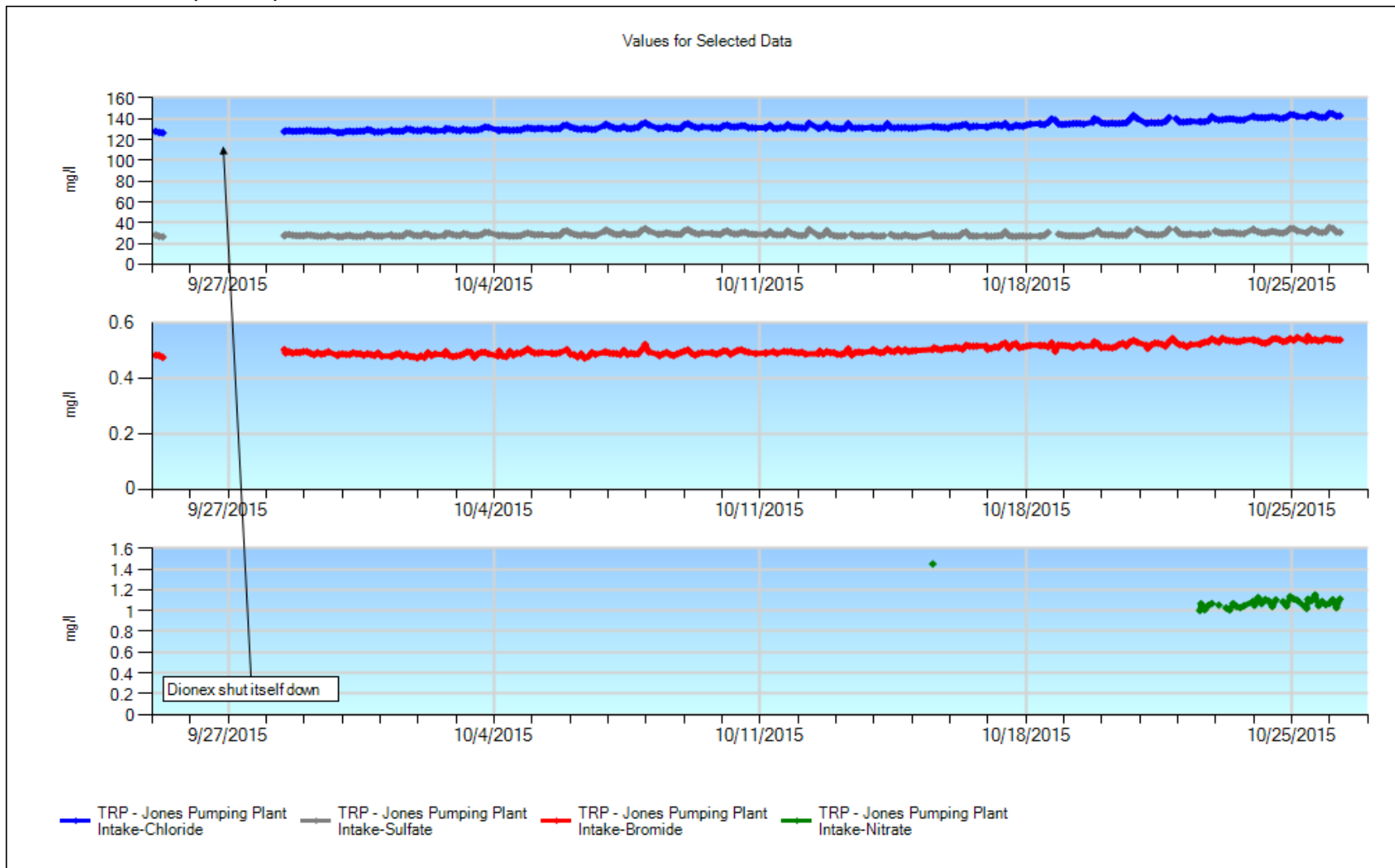


Jones PP – discharge, organic carbon, EC



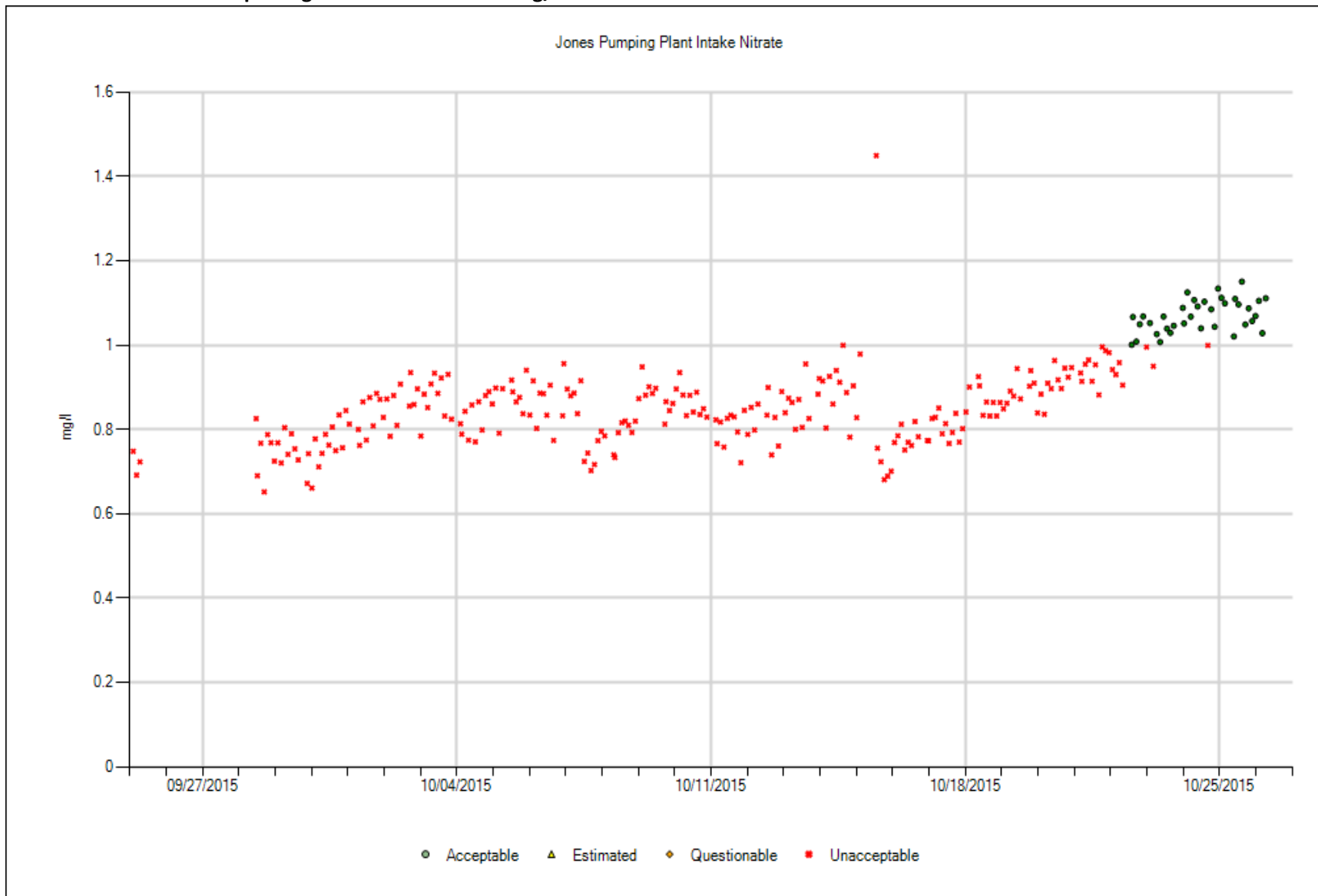
10/7 – changed all filters 10/15 – changed all filters 10/22 – changed all filters

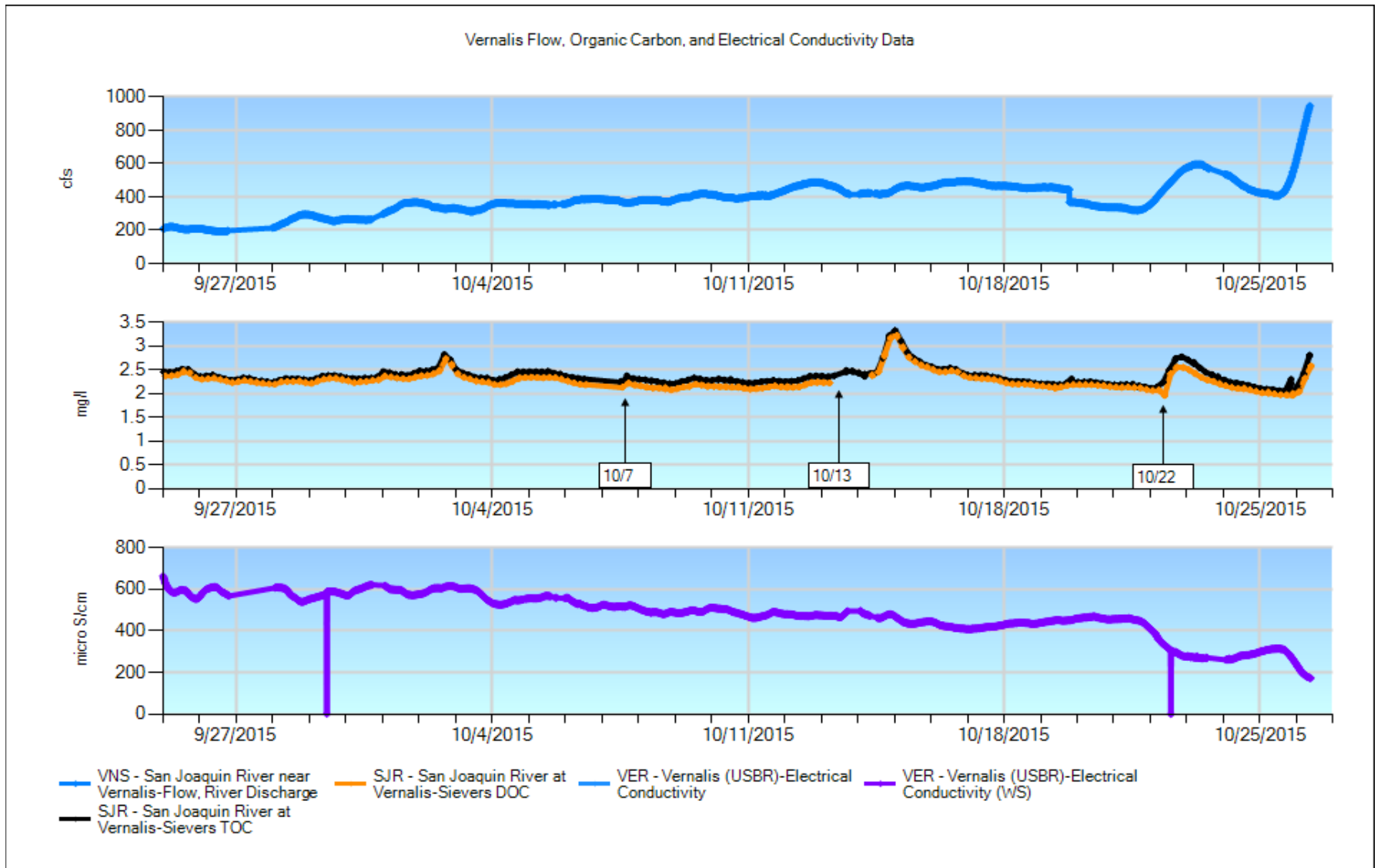
Jones PP – chloride, sulfate, bromide and nitrate



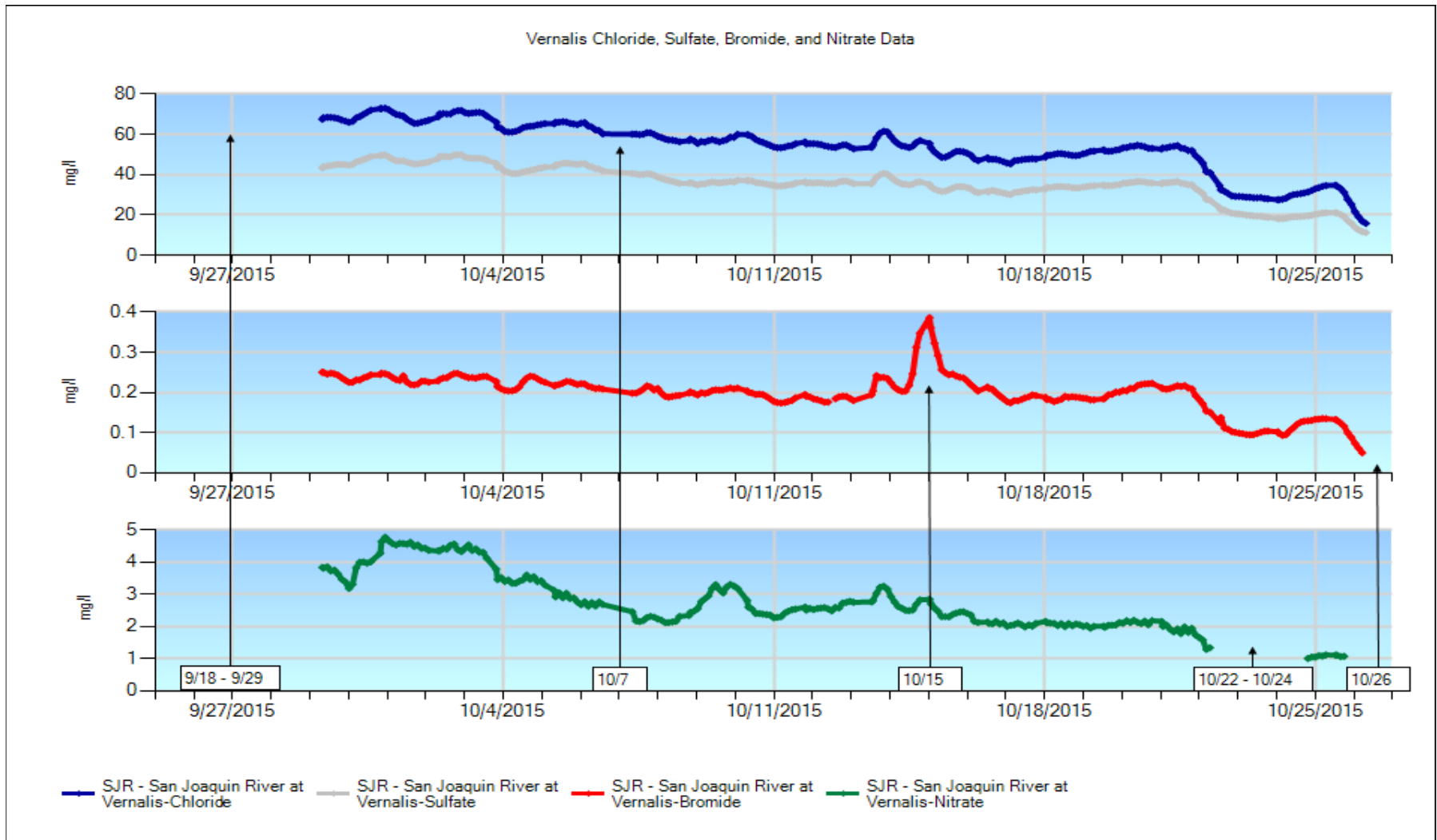
9/25 – 9/28 – for reasons not entirely understood, the Dionex shut itself down. The Dionex remained shut down over the weekend and was then simply switched back on Monday morning. **Note-** nitrate is reporting, but is reporting under the reporting limit (R.L.). See graph below.

Jones PP - nitrate data reporting below the R.L. of 1.0 mg/l



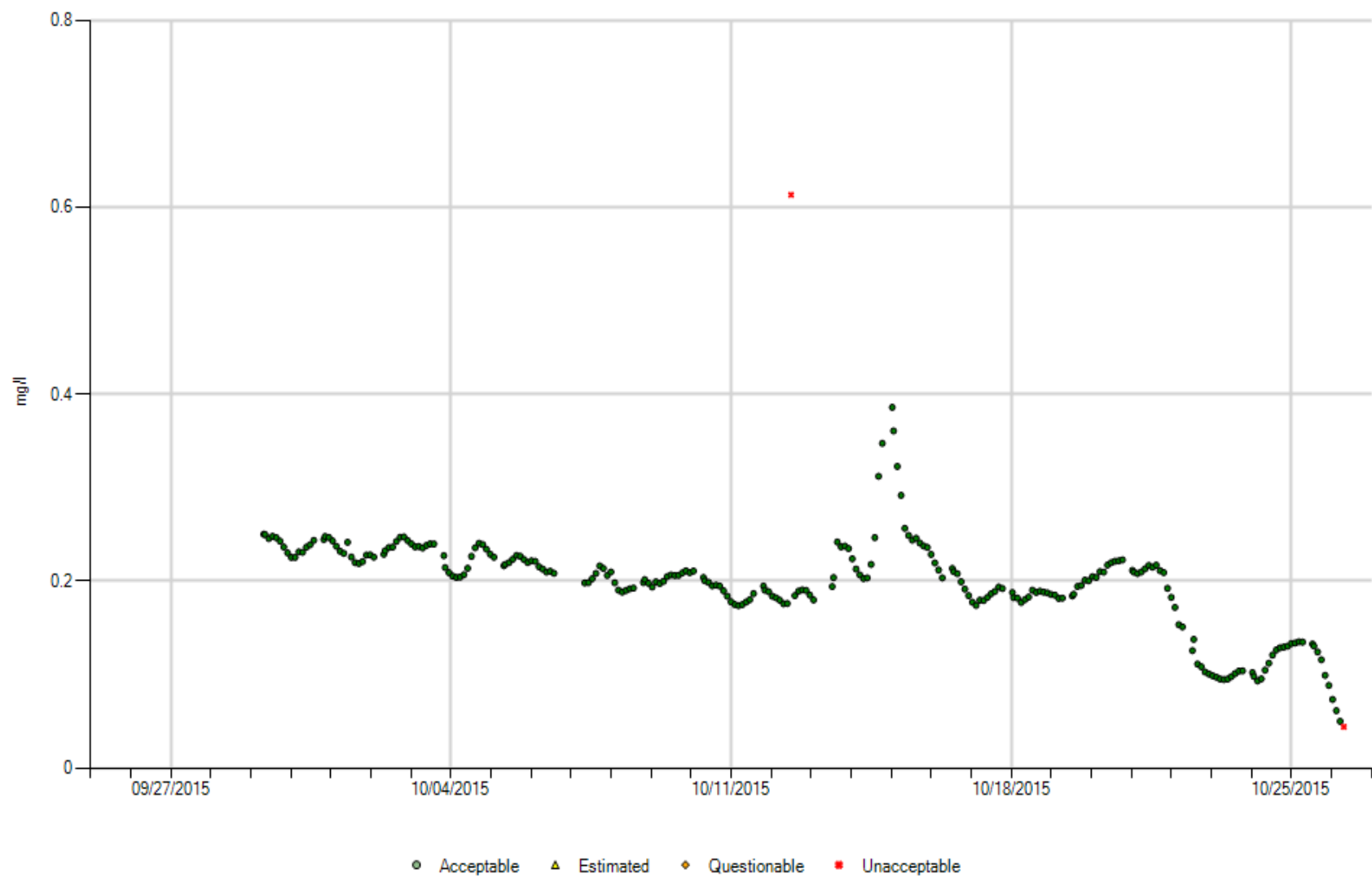


Filter Changes: 10/7, 10/22 = prefilters only. 10/13 = All filters (0.45 micron too). **Events:** 10/7: Extended power outage occurred late on 10/6, exhausting the battery back-ups. Analyzers restarted during 10/7 station visit. 10/13: New, unrinsed 0.45 micron cartridge was used; leached some manufacturing/carbon residue into supply line for the Sievers and caused an artificial spike that was edited out of the DOC data.

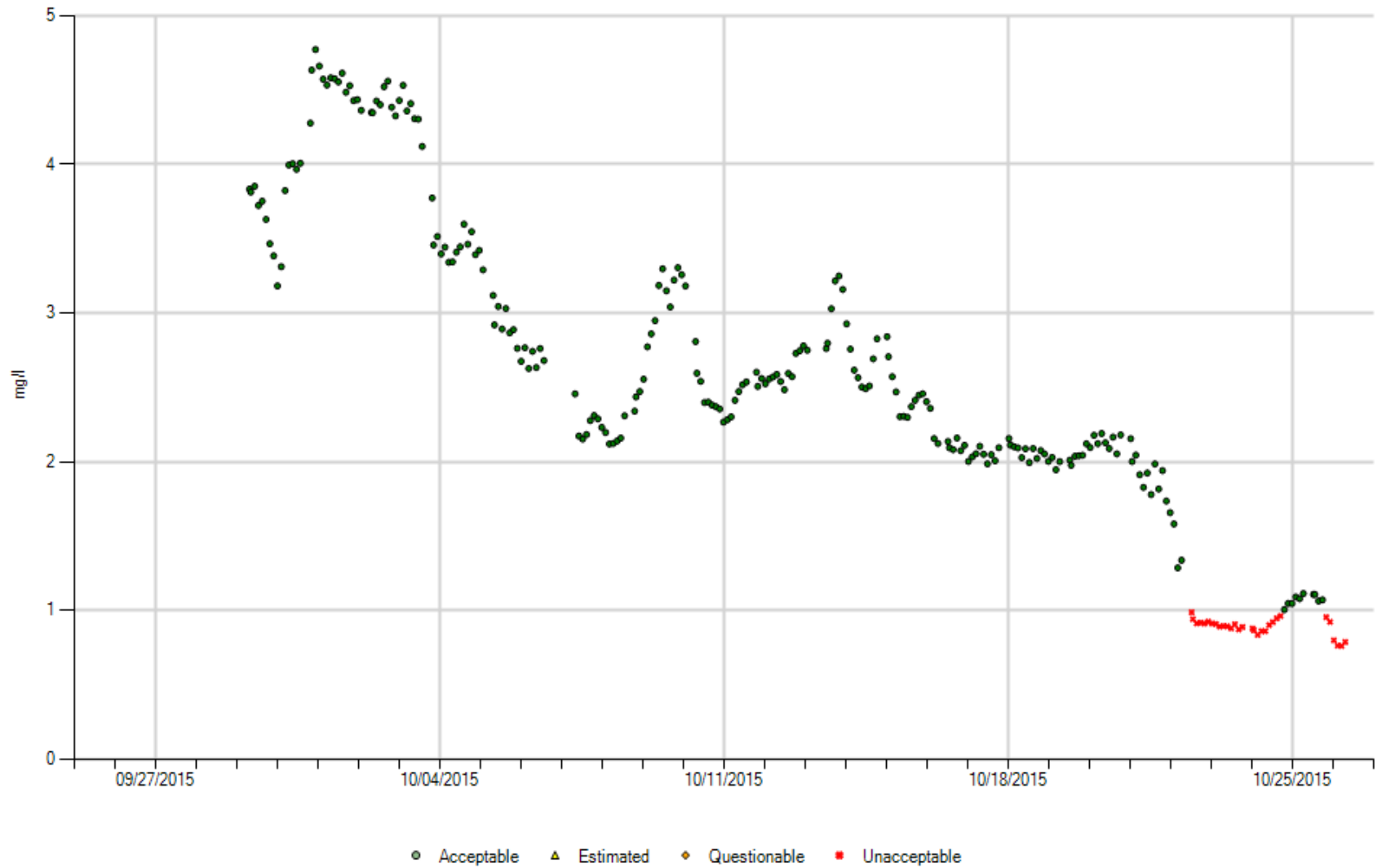


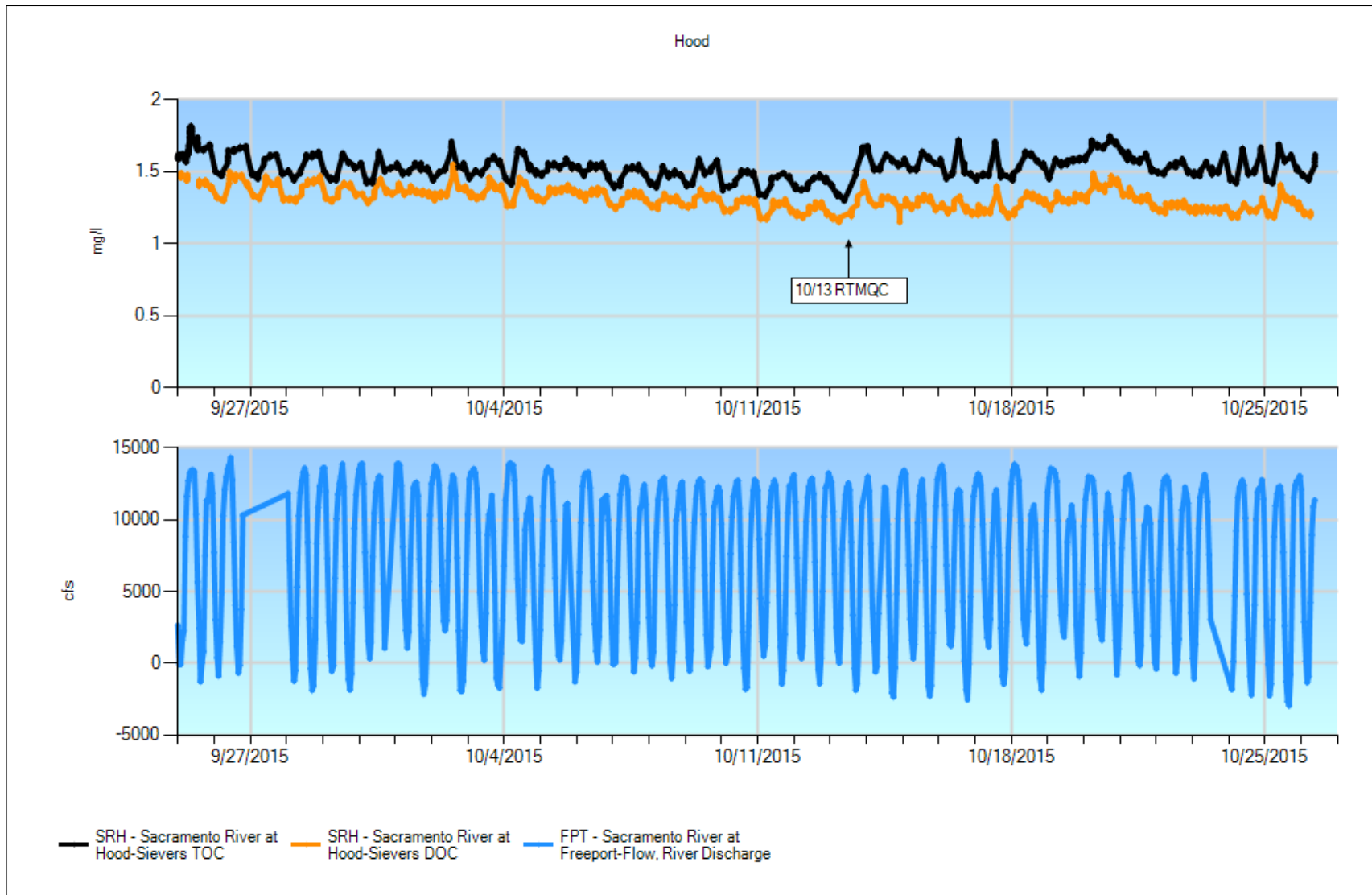
Events: 9/18 – 9/29: Dionex system overpressured on a Friday night. The columns were replaced on 9/23, after the field runs. Problems calibrating the analyzer were caused by the internal peristaltic pump not being able to pull stock standard into the dilution vessel. On 9/25, the stock standard bottle was set up to gravity feed the peristaltic pump and the analyzer set to calibrate over the weekend. Results were satisfactory and the analyzer resumed sampling on 9/29 AM. **10/7:** Power outage. **10/15:** Bromide spike; EC and OC show smaller increase. **10/22 – 10/24:** Nitrate below reporting limit. **10/26:** Bromide and Nitrate below reporting limits, 0.05 & 1.0. See “edit screen” graphs below.

San Joaquin River at Vernalis Bromide



San Joaquin River at Vernalis Nitrate

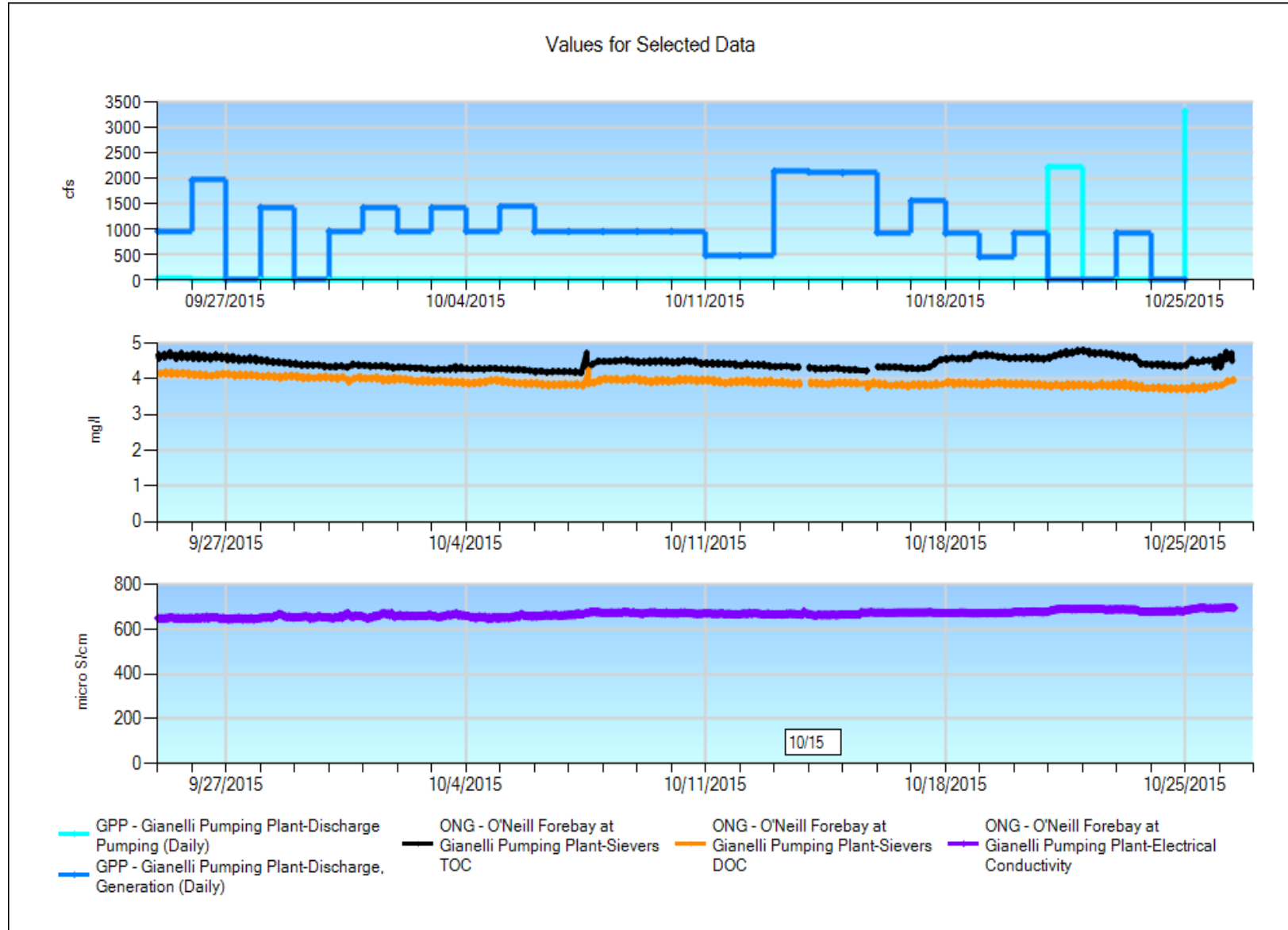




Significant Events: September 25th 2015 to October 26th 2015

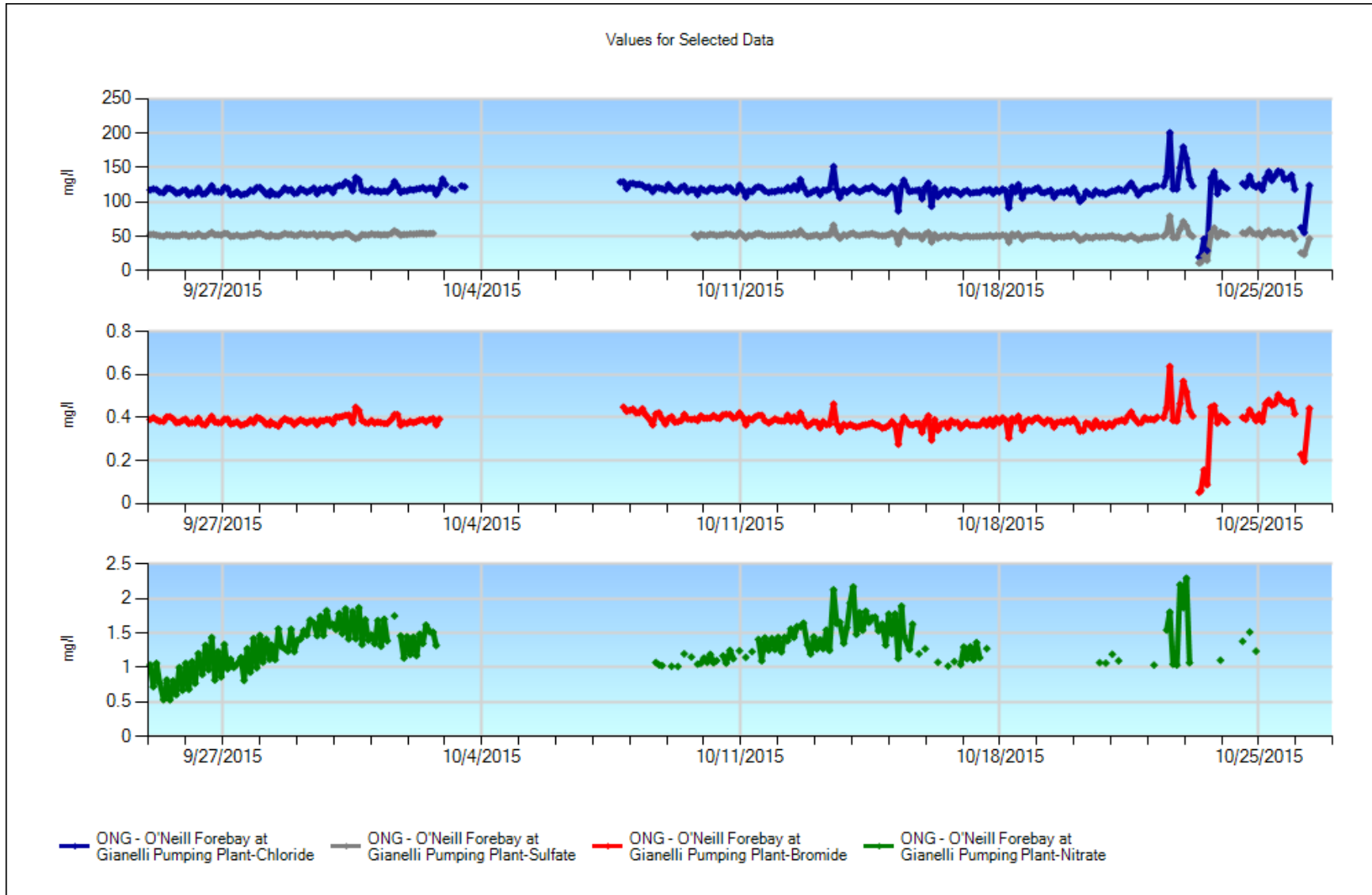
- **10/13 RTMQC:** Changed 75 μ (micron), 50 μ , and 1 μ filters. Cleaned the lines inside the Sievers.

Gianelli: Pumping – TOC, DOC - EC

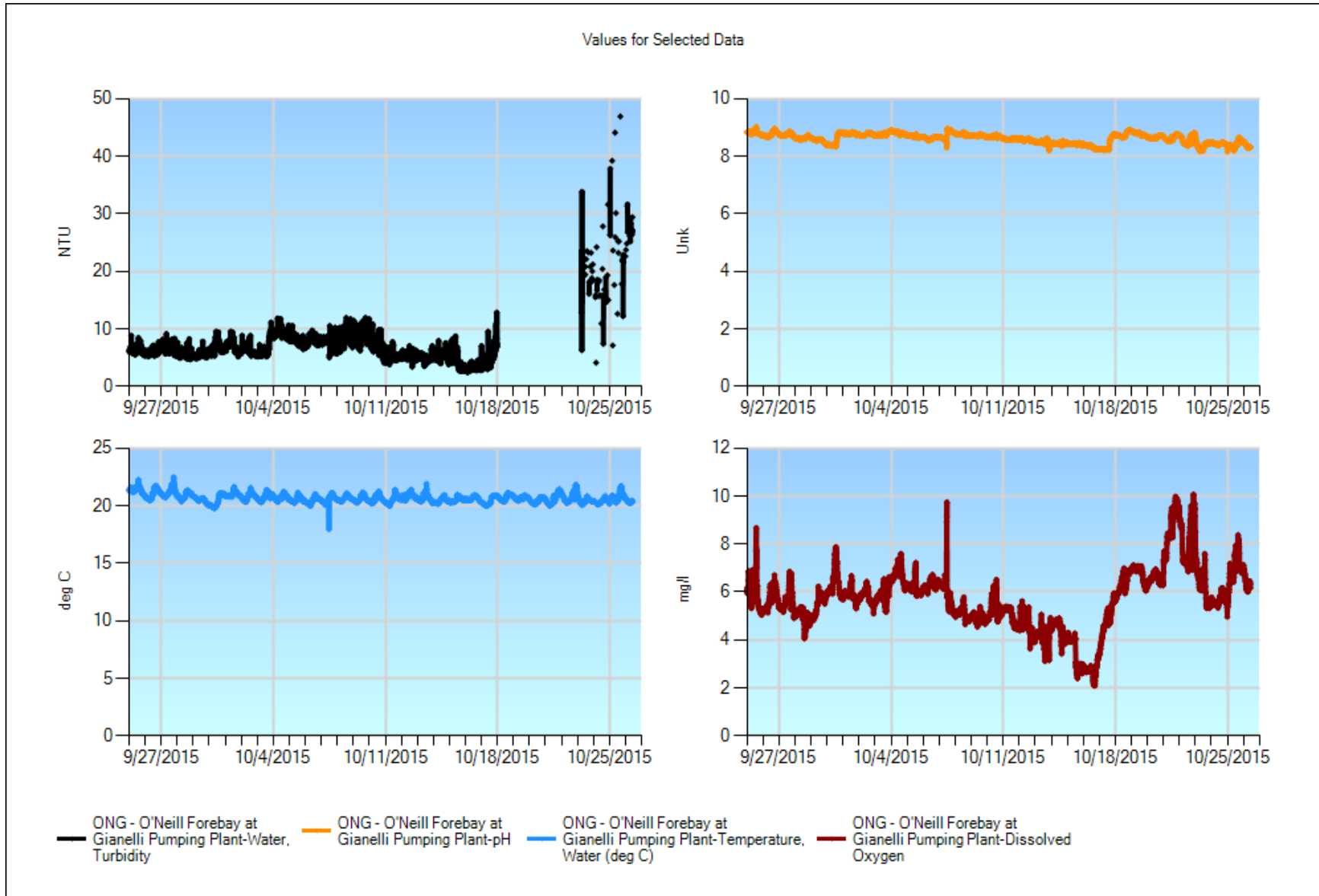


10/15: Changed the 100 um 50 um filters. Cleaned out the YSI housing and the probes.

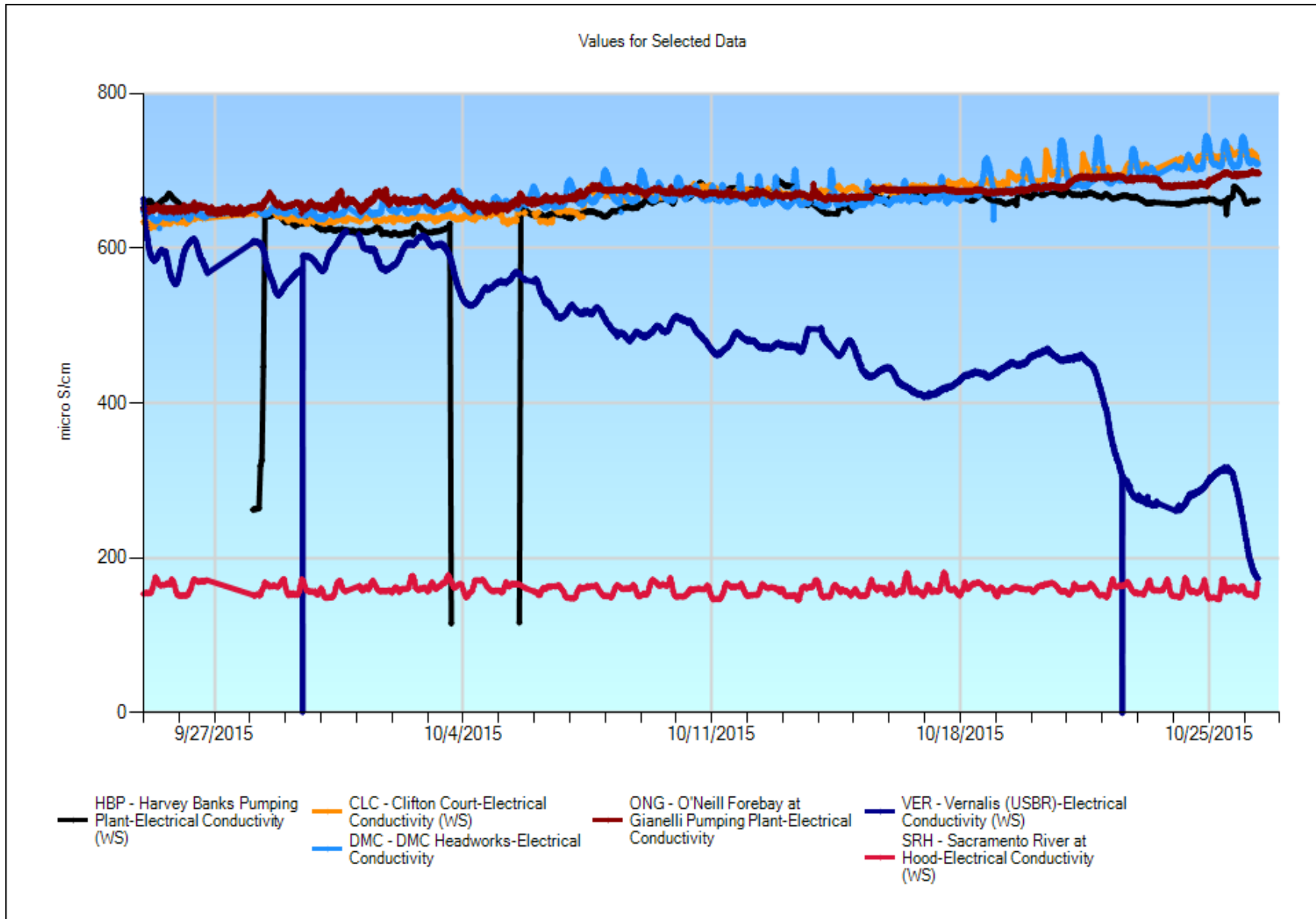
Gianelli: Chloride, Sulfate, Bromide, Nitrate



Gianelli: Turbidity, pH, Temp, DO



All Station EC



All Station DOC

