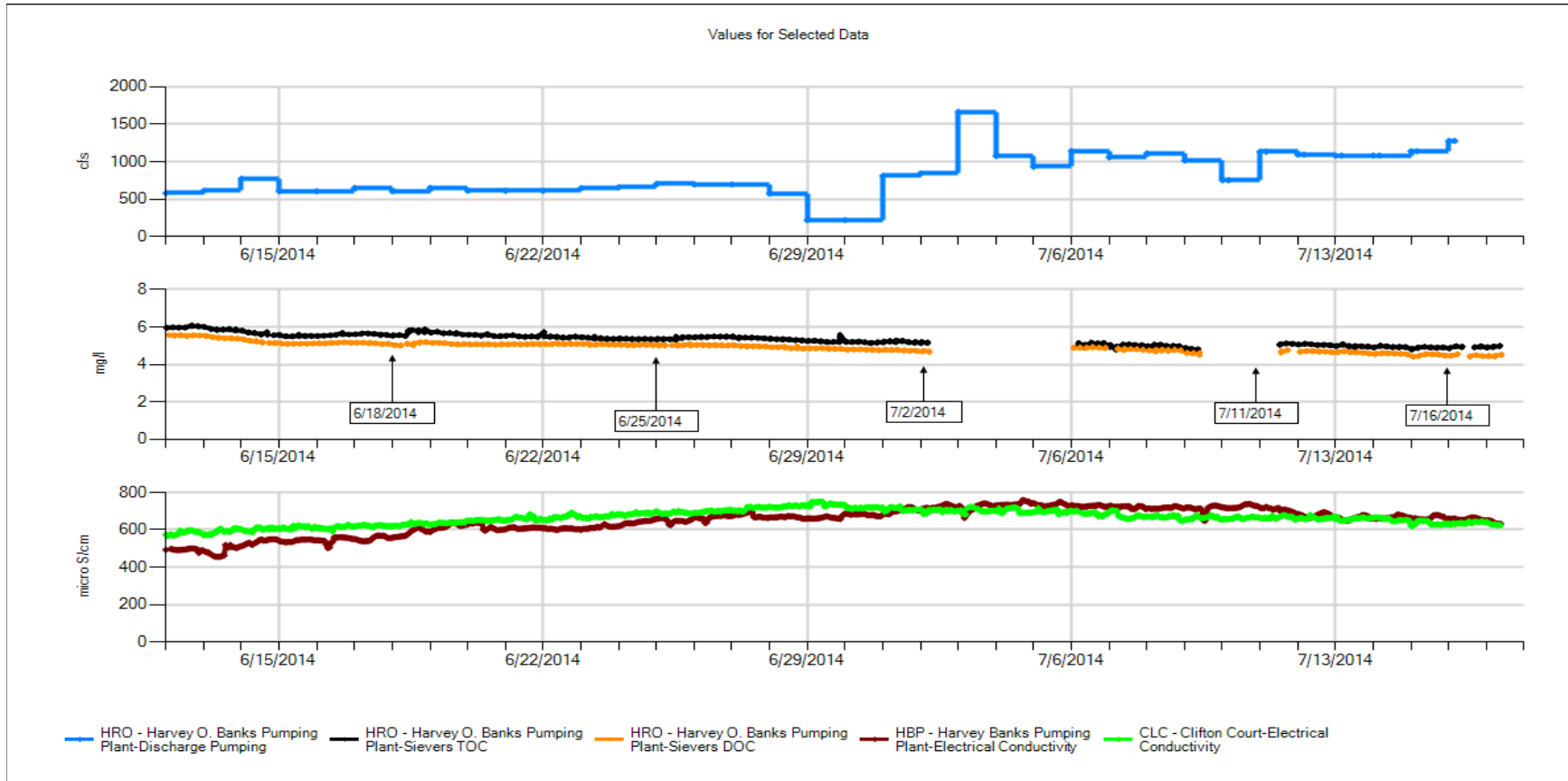


Banks PP – Pumping, TOC, DOC, EC and Clifton Court Forebay EC



6/18/2014 – All delivery system filters changed: 100 um, 50, um, 1 um, 0.45 um

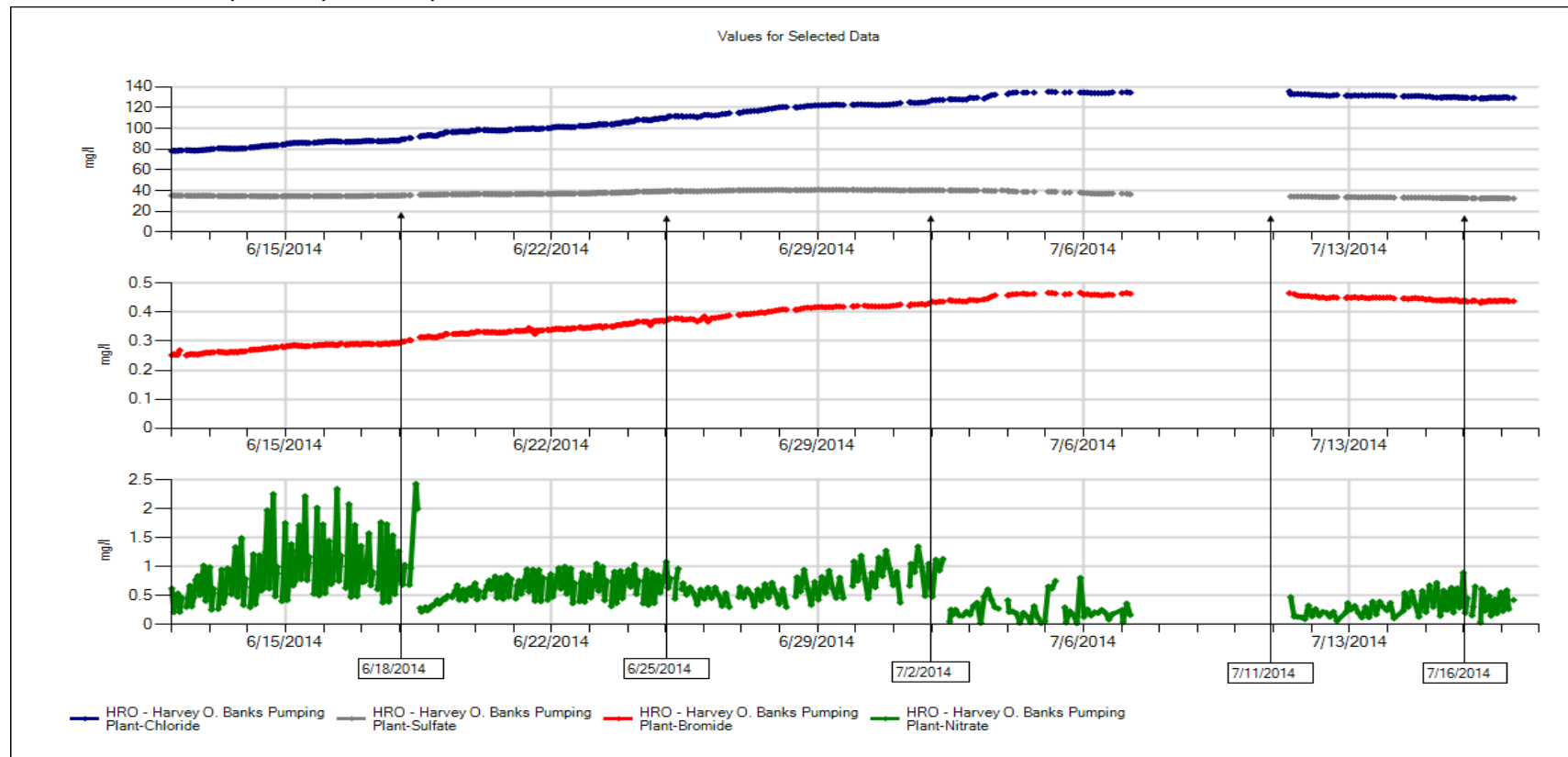
6/25/2014 – Changed the 100 um pre-filter

7/2/2014 – All delivery system filters changed: 100 um, 50 um, 1 um, 0.45 um

7/11/2014 – Probable temporary pump clog – The pump was operational when we arrived at the station but there was significant odor in the station meaning the pump was not working for a time - Changed the 100 um pre-filter

7/16/2014 – All delivery system filters changed: 100 um, 50 um, 1 um, 0.45 um

Banks PP – Chloride, Sulfate, Bromide, Nitrate



6/18/2014 – Annual preventative maintenance performed on the anion analyzer – All delivery system filters changed: 100 um, 50 um, 1 um, 0.45 um

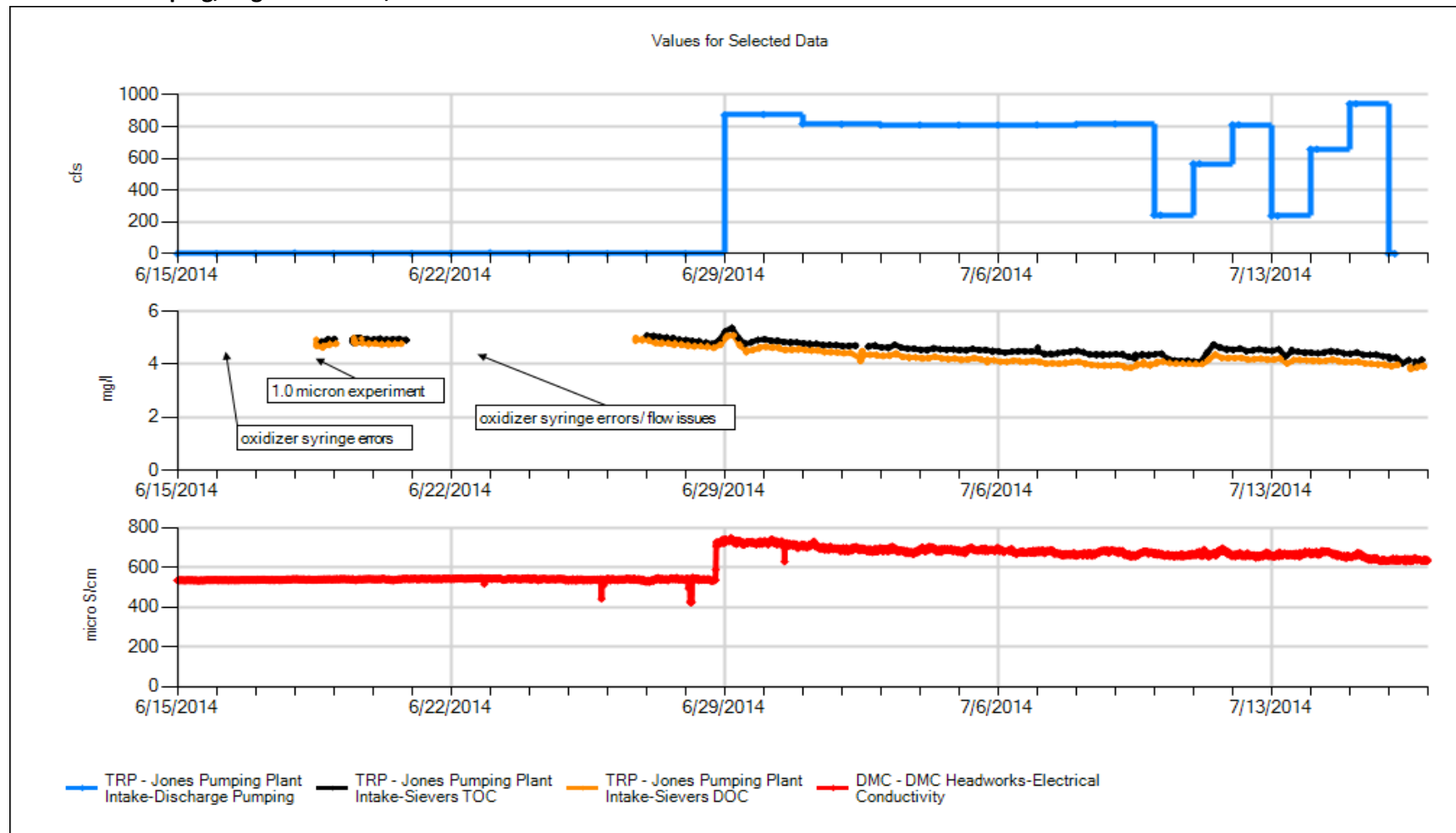
6/25/2014 – Changed the 100 um pre-filter

7/2/2014 – All delivery system filters changed: 100 um, 50 um, 1 um, 0.45 um

7/11/2014 – Probable temporary pump clog – The pump was operational when we arrived at the station but there was significant odor in the station meaning the pump was not working for a time - Changed the 100 um pre-filter

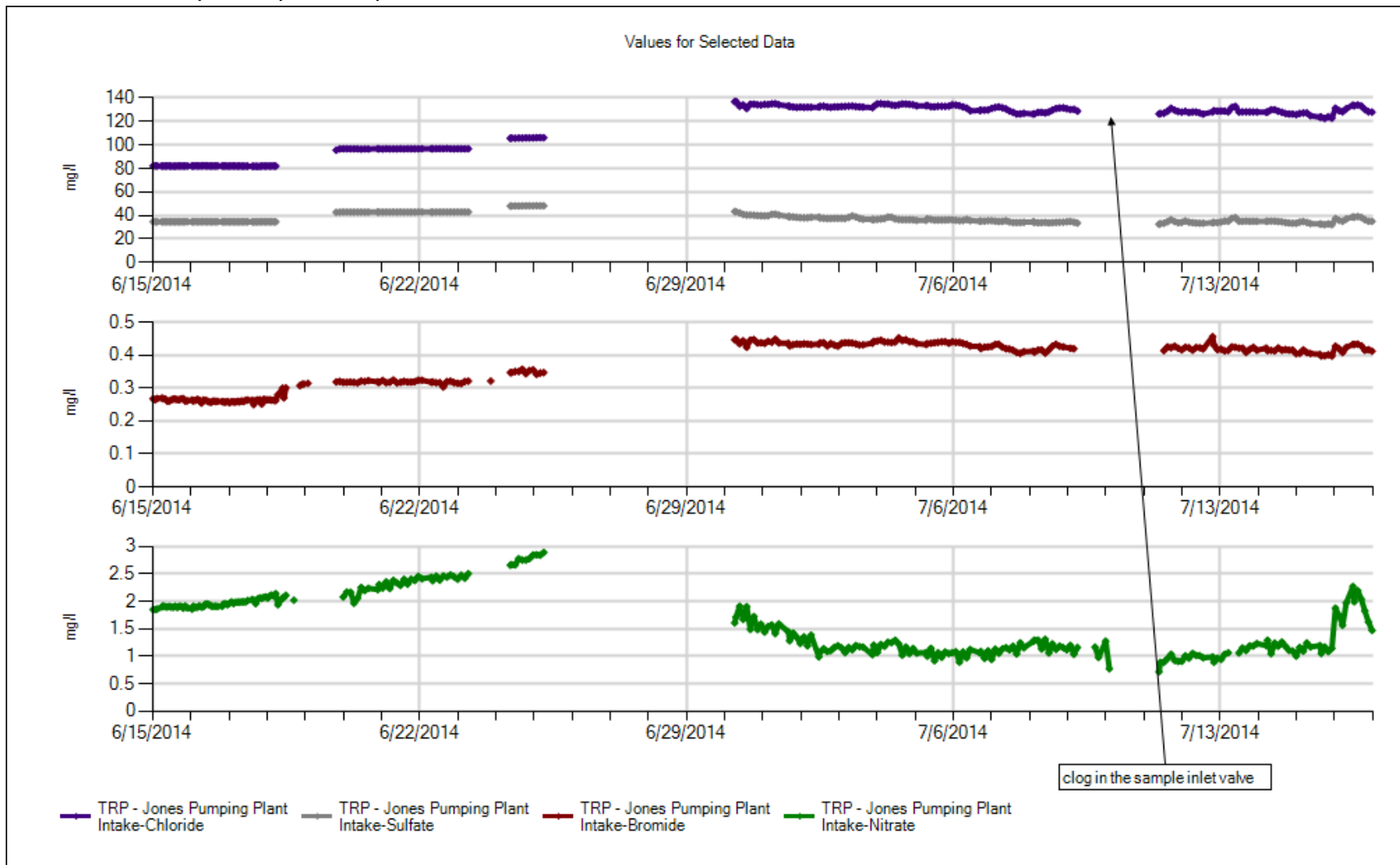
7/16/2014 – All delivery system filters changed: 100 um, 50 um, 1 um, 0.45 um

Jones PP – Pumping, Organic Carbon, EC

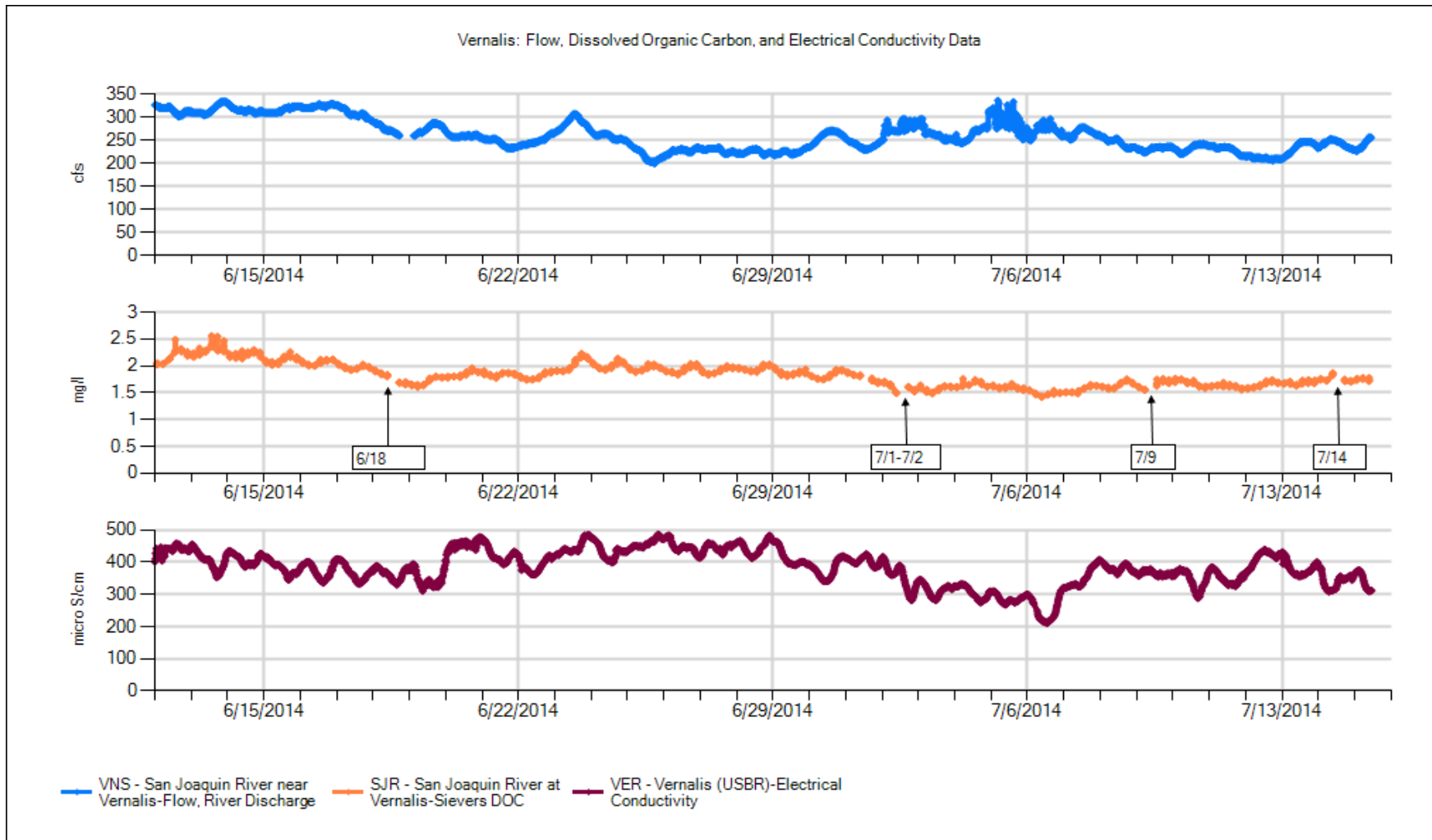


6/15 – oxidizer syringe error. 6/8 – 6/29 – no significant pumping at plant. 6/18 – since Jones PP was not pumping, we conducted an experiment comparing a 1 micron nominal filter and a 0.45 micron absolute filter, which accounts for the convergence of the TOC/DOC values. 6/20 – 6/26 – oxidizer syringe issue persists, coupled with no flow. 6/25 – oxidizer syringe replaced, but no sample flow at station. 7/2 – pre-filter change. End of filter experiment. 7/9 – filter change. 7/16 – pre-filter change.

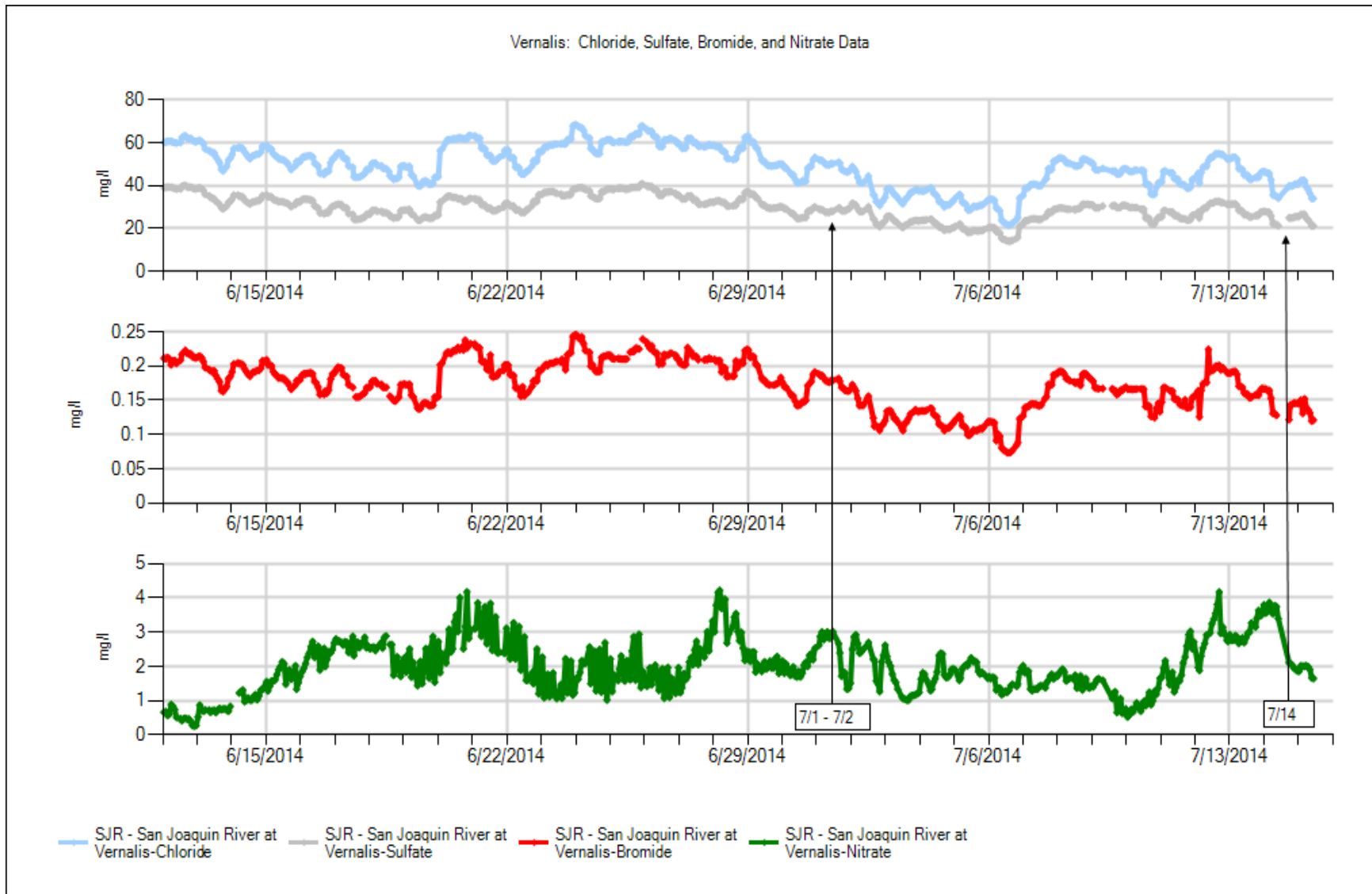
Jones PP – Chloride, Sulfate, Bromide, Nitrate



6/15 – 6/29 – Jones PP was not pumping. Data prior to 6/29, represents residual water already in the system. There were two small pumping events each totaling approximately 6cfs on 6/18 and 6/23 each lasting for about 24 hours 7/9 – new check standard made.

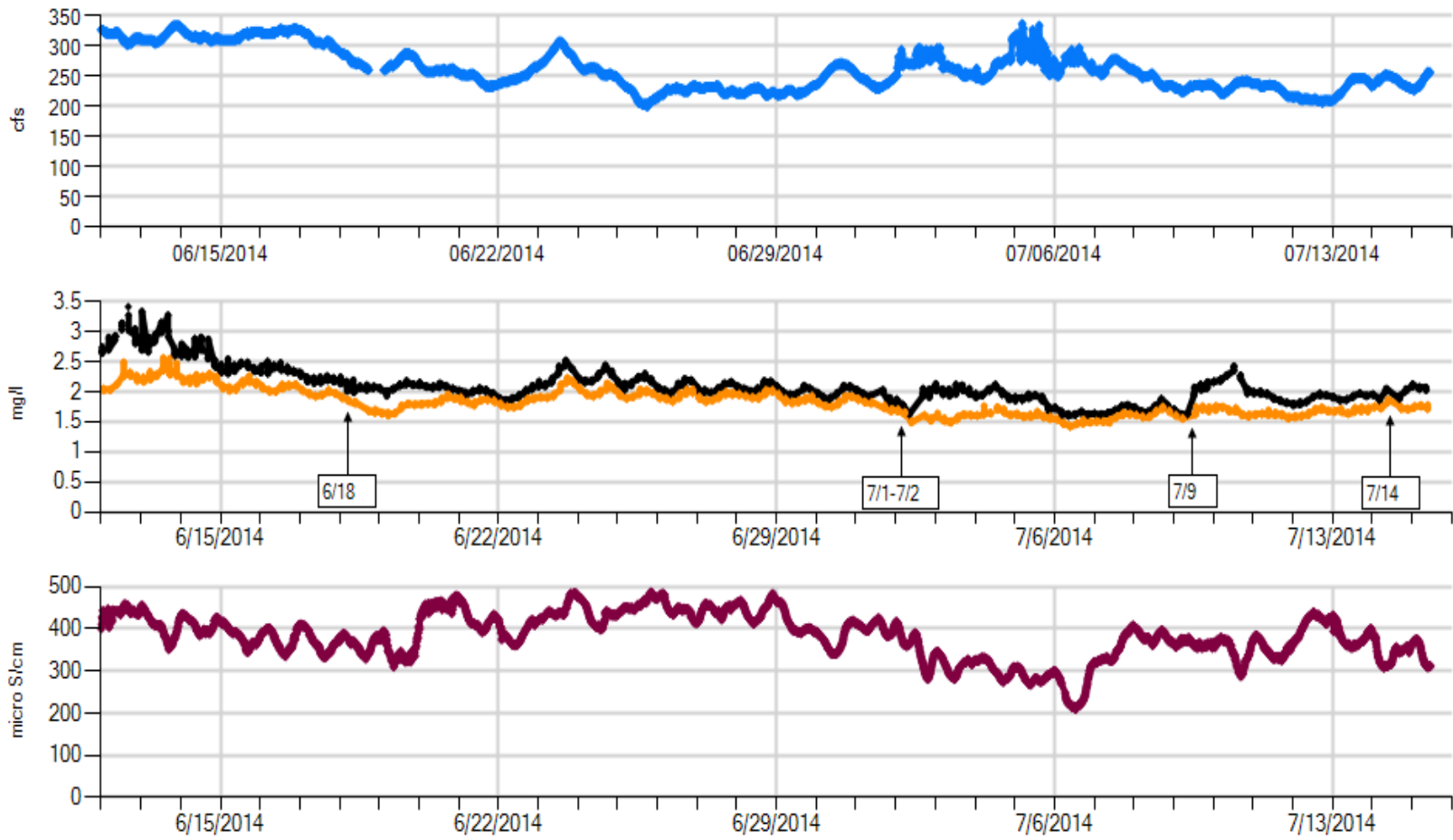


Filter Changes: 6/18 prefilters, 7/2 all filters, 7/9 prefilters, 7/14 all filters. **Events:** 7/1: New resin bed, cleaned pump intake. 7/14: rebuilt pump. **TOC Data:** The online TOC data has not been representative of the river grab data, and a discrepancy of over 15% has been recurrent over the last few weeks. The problem is most likely due to the pump not being located in the main channel, where the discreet grabs are taken. Because of the low stage, the pump pulls water from near the surface, in an area near the bank without much flow. The solution would be to move the pump further and deeper into the channel, ~ 5-10'. TOC data will not be reported until it passes QA/QC protocol.

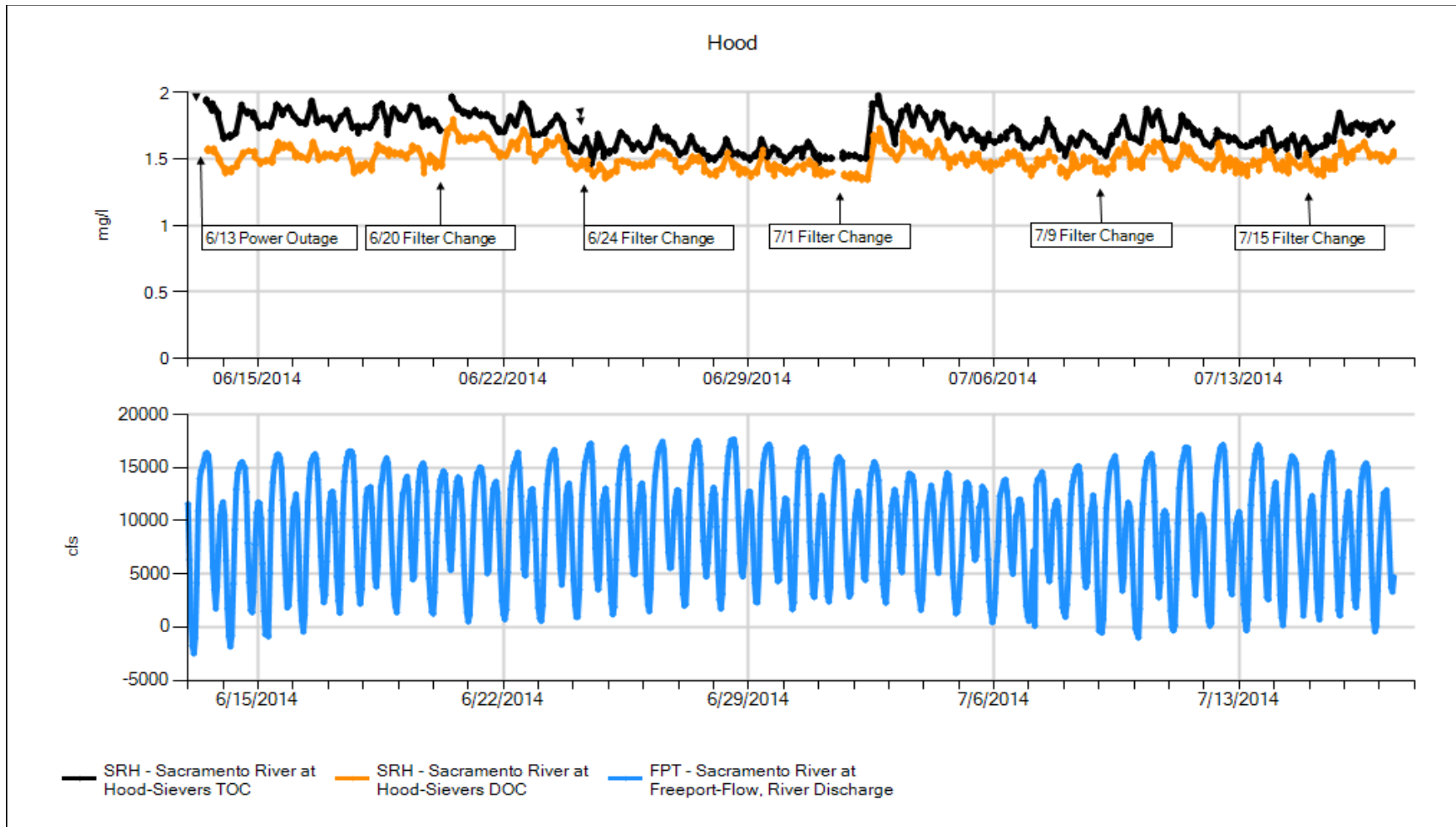


Events: 7/1 – 7/2: Removed restrictor coils (used to increase pressure) from pump system. Retention time shift. Added new larger APC battery back-up to Dionex ICS 2100 and SP system. **7/14:** Exchanged the guard column. Sampled grabs and LCS before and after column change.

Vernalis: Flow, Organic Carbon, and Electrical Conductivity Data



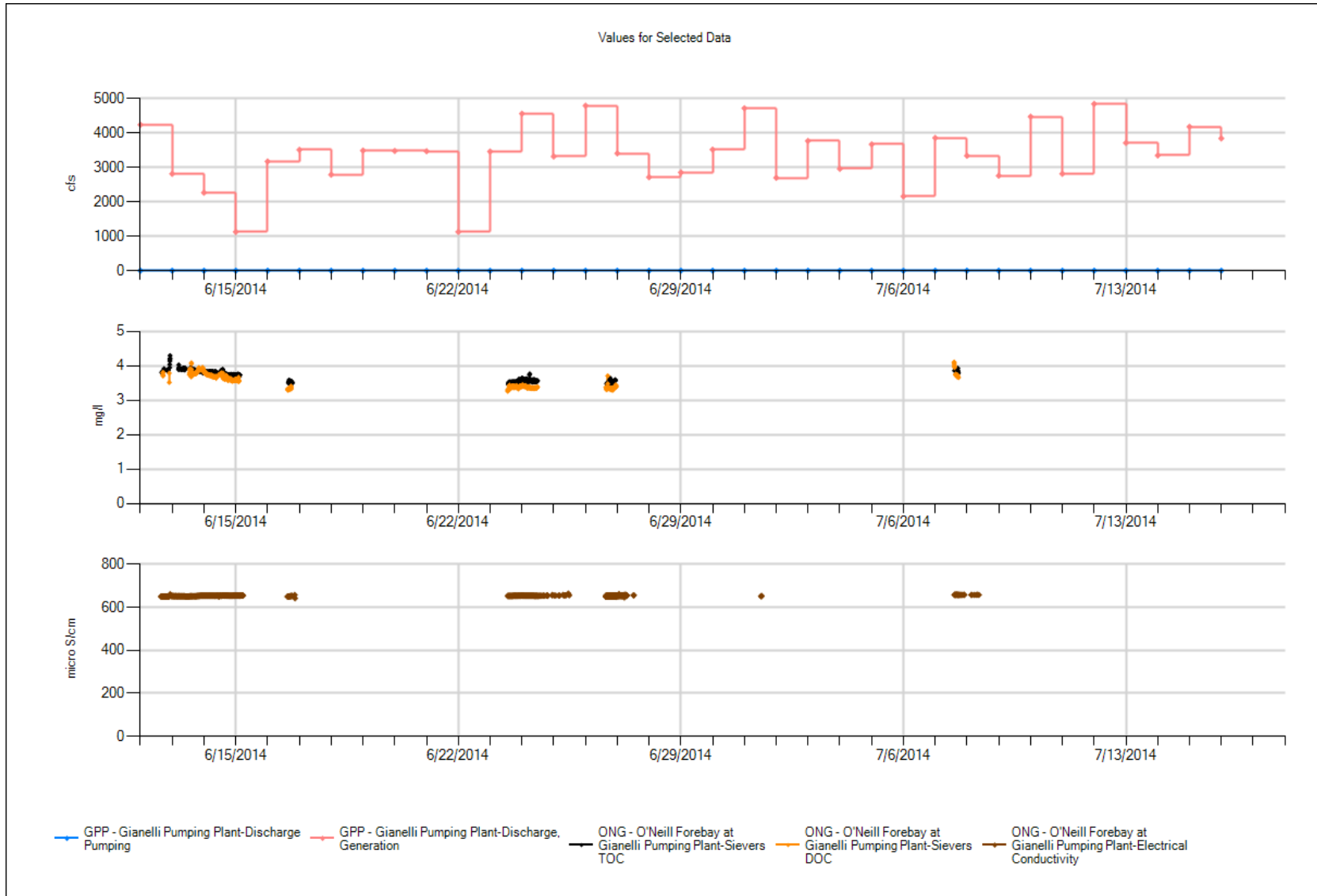
— VNS - San Joaquin River near Vernalis-Flow, River Discharge — SJR - San Joaquin River at Vernalis-Sievers TOC — SJR - San Joaquin River at Vernalis-Sievers DOC — VER - Vernalis (USBR)-Electrical Conductivity



Significant Events: June 13th 2014 to July 17th 2014

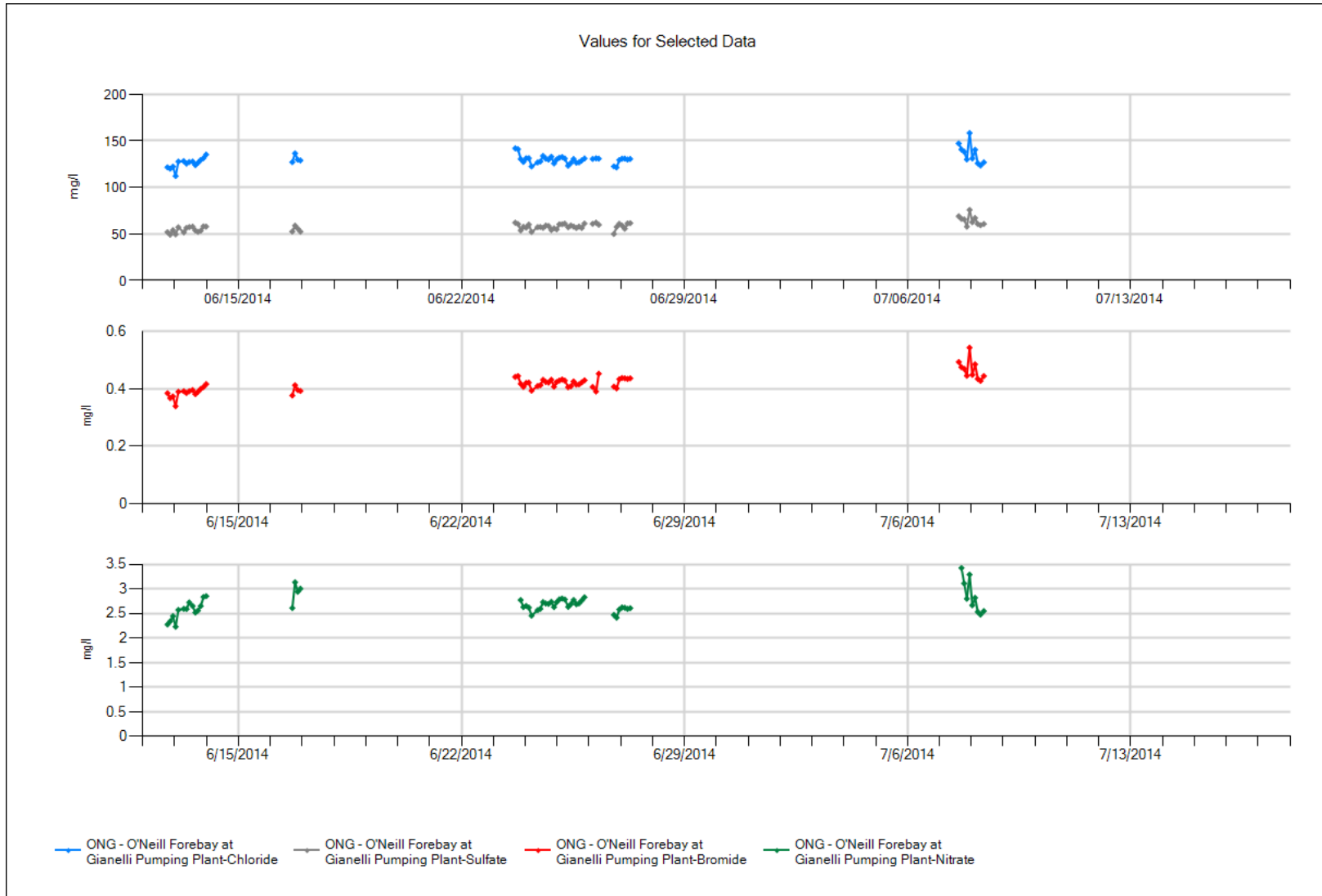
- **6/13 Power Outage:** Sievers had to be restarted.
- **6/20 Filter Change:** 75 and .45 micron filters changed.
- **6/24 Filter Change:** Changed the 75, 50, and 5 micron filters.
- **7/13 Filter Change:** Changed the 75micron filter.
- **7/9 Filter Change:** Changed the 75 micron filter.
- **7/15 Filter Change:** Changed the 75micron filter.

Gianelli – Pumping, Organic Carbon, EC



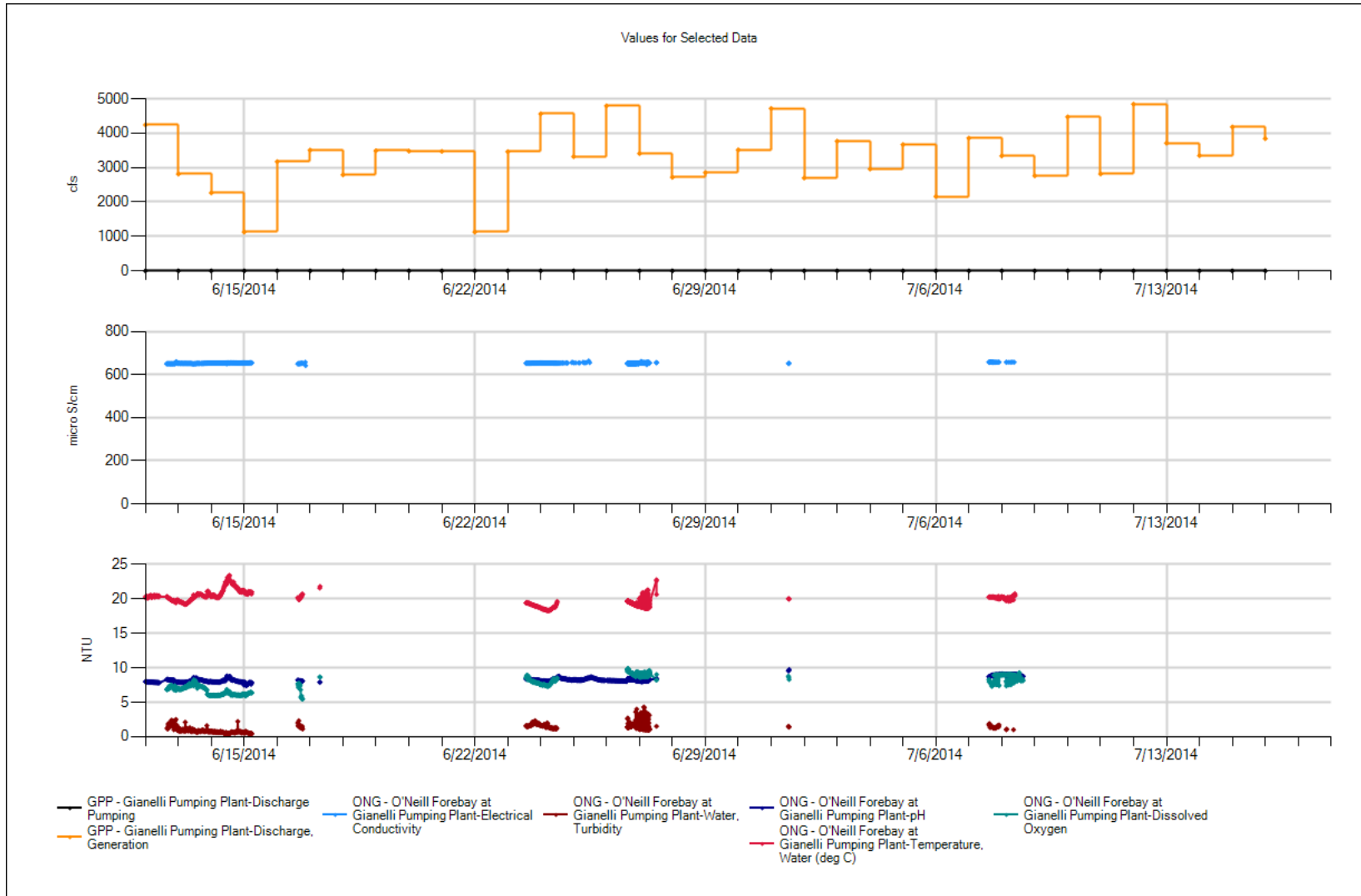
➤ Throughout the past month there have been intermittent problems with the intake tubing and the pump getting clogged.

Gianelli – Chloride, Sulfate, Bromide, Nitrate



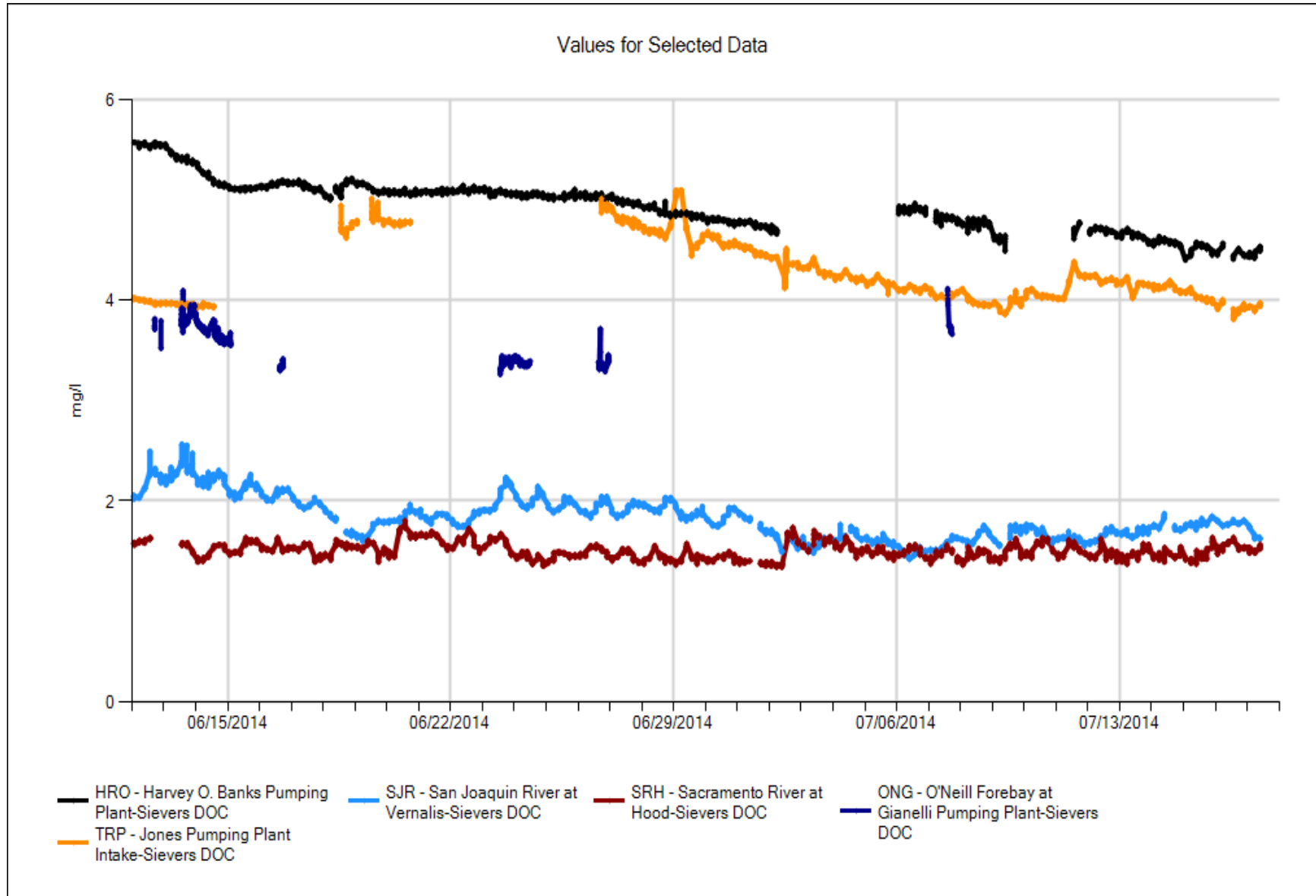
➤ Throughout the past month there have been intermittent problems with the intake tubing and the pump getting clogged.

Gianelli – EC, Temperature, pH, DO & Turbidity

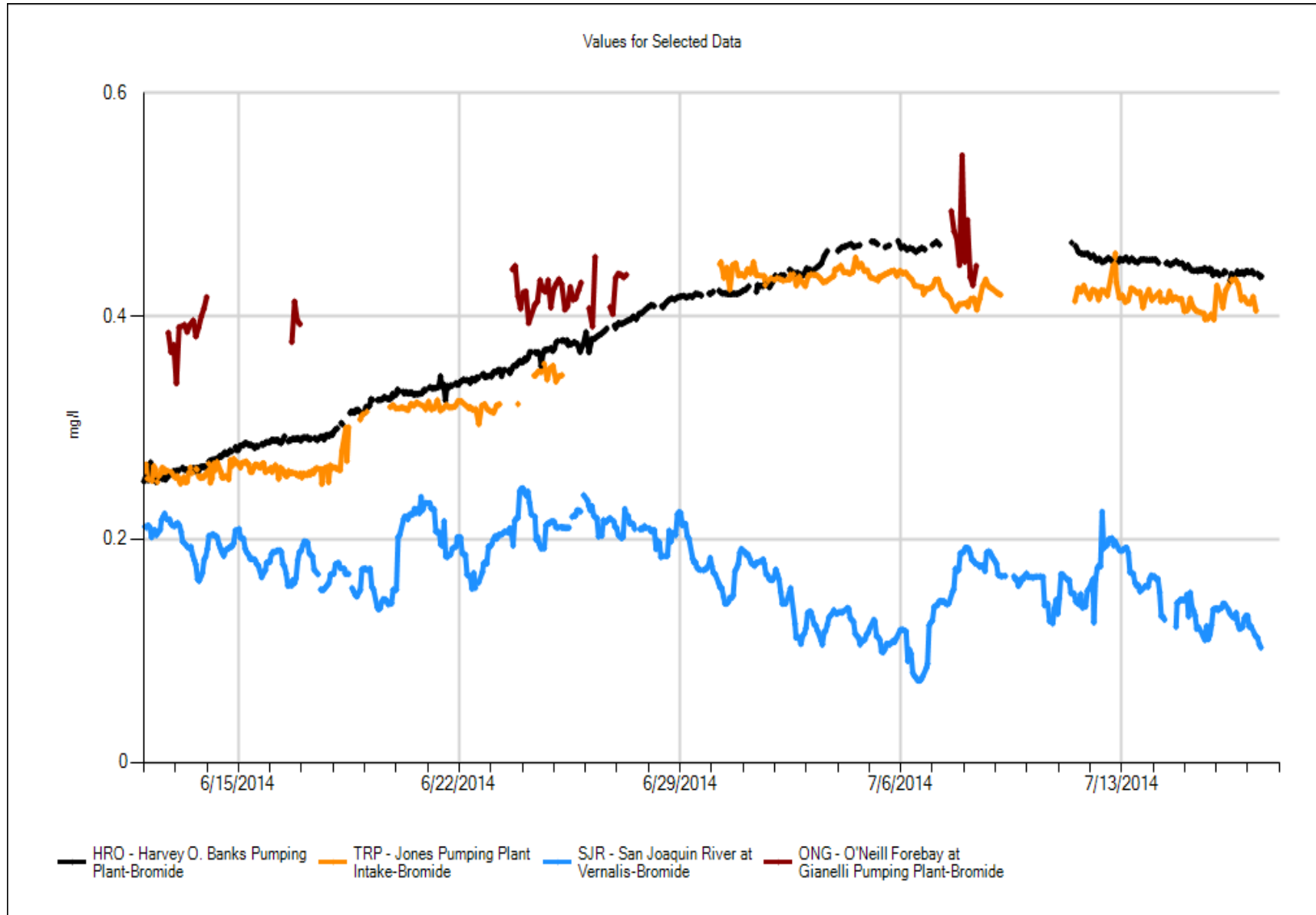


➤ Throughout the past month there have been intermittent problems with the intake tubing and the pump getting clogged.

All Stations DOC



All Stations - Bromide



All Stations + Clifton Court - EC

