

Appendix 5. Relations between the YSI 6136 turbidity sensor, the YSI EXO turbidity sensor, and the HACH 2100AN turbidimeter using data collected from the Wamego and De Soto sites on the Kansas River, Kansas, during October 2012 through September 2016

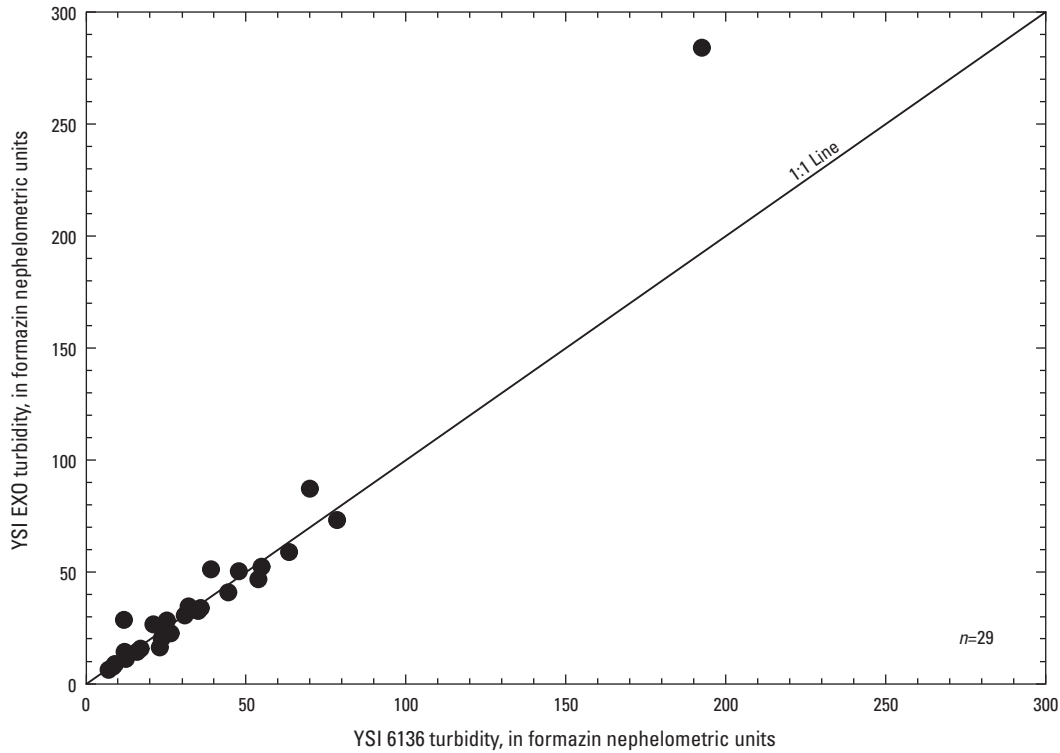


Figure 5.1. Relation between YSI 6136 and YSI EXO turbidity sensor data collected from the Wamego and De Soto sites on the Kansas River during September 2013 through June 2014.

2 Cyanobacteria and Associated Toxins and Taste-and-Odor Compounds in the Kansas River, Kansas

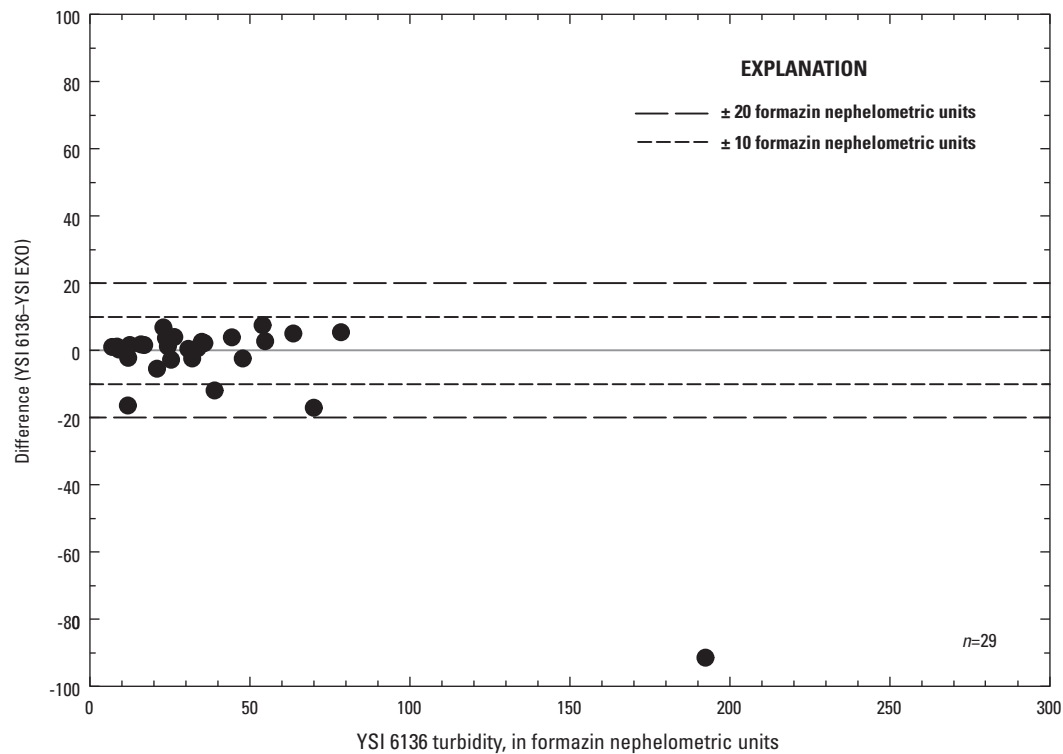


Figure 5.2. Relation between YSI 6136 turbidity data and the absolute difference between YSI 6136 and YSI EXO measured turbidity data collected from the Wamego and De Soto sites on the Kansas River during September 2013 through June 2014.

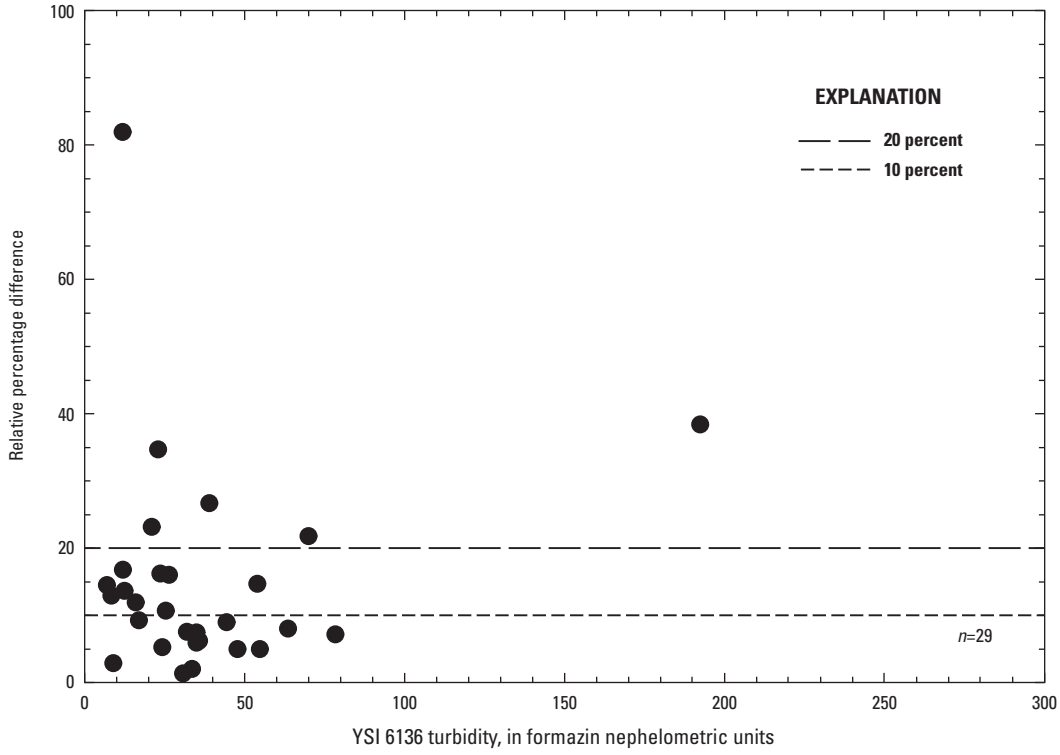


Figure 5.3. Relation between YSI 6136 turbidity data and the relative percentage difference between YSI 6136 and YSI EXO measured turbidity data collected from the Wamego and De Soto sites on the Kansas River during September 2013 through June 2014.

4 Cyanobacteria and Associated Toxins and Taste-and-Odor Compounds in the Kansas River, Kansas

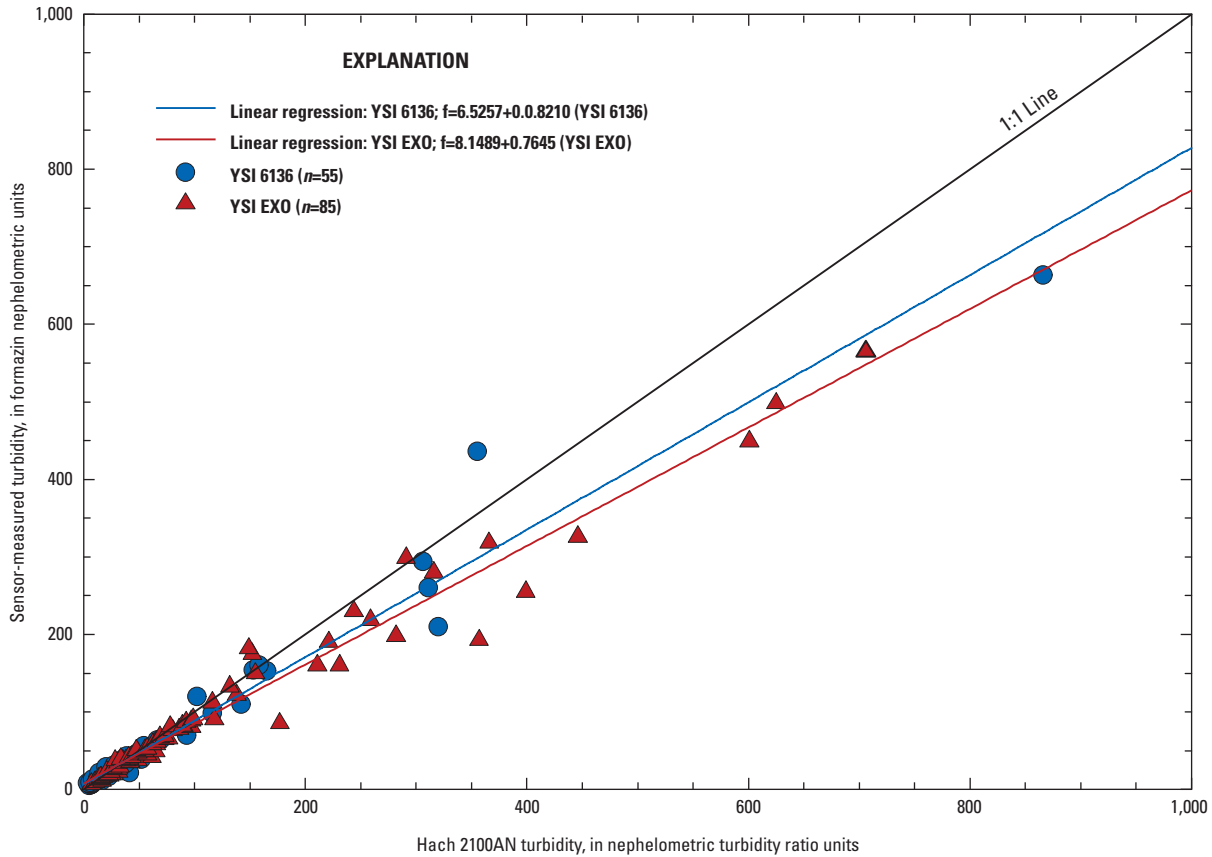


Figure 5.4. Linear regression between Hach 2100AN turbidimeter and YSI 6136 (October 2012 through June 2014) and YSI EXO (June 2014 through September 2016) sensor measured turbidity data collected from the Wamego and De Soto sites on the Kansas River.

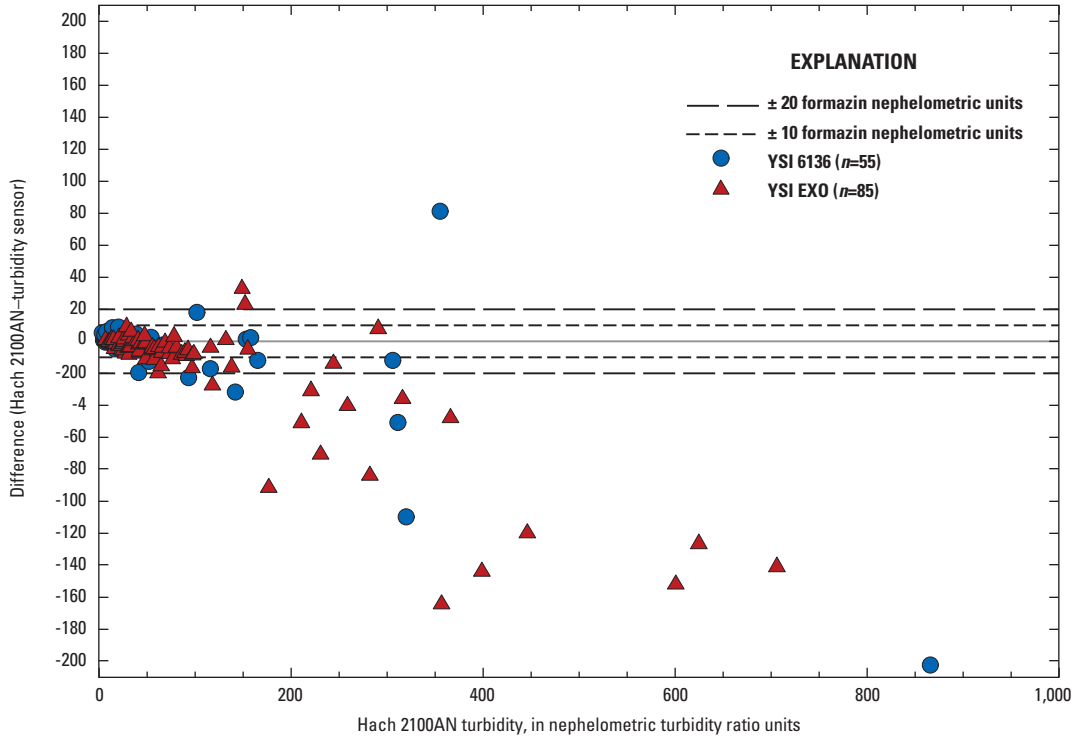


Figure 5.5. Relation between Hach 2100AN turbidimeter and 1) absolute difference between Hach 2100AN and YSI 6136 measured turbidity data (October 2012 through June 2014) and 2) absolute difference between Hach 2100AN and YSI EXO measured turbidity data (June 2014 through September 2016) collected from the Wamego and De Soto sites on the Kansas River.

6 Cyanobacteria and Associated Toxins and Taste-and-Odor Compounds in the Kansas River, Kansas

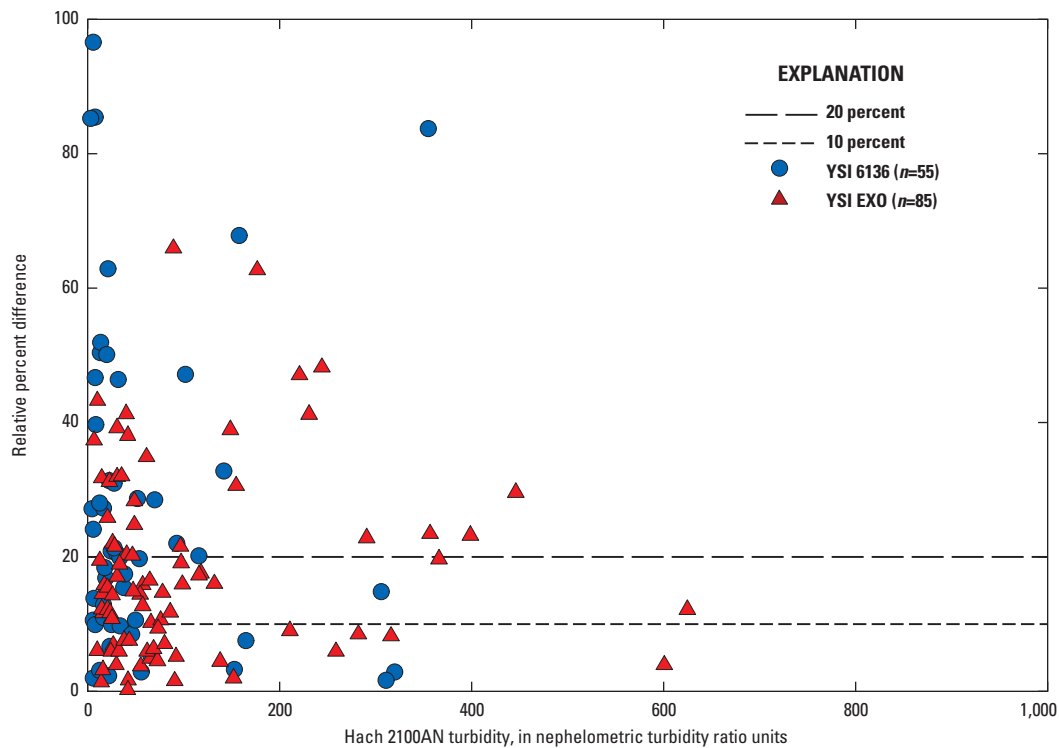


Figure 5.6. Relation between Hach 2100AN turbidimeter and 1) relative percentage difference between Hach 2100AN and YSI 6136 measured turbidity data (October 2012 through June 2014) and 2) relative percentage difference between Hach 2100AN and EXO measured turbidity data (June 2014 through September 2016) collected from the Wamego and De Soto sites on the Kansas River.