

HCA Ha'iku Stream Monitoring- Grant G6I39

A few examples of charts and graphs of water quality data produced and posted on HCA website: <https://www.haikumauui.org/haiku-water-quality/>

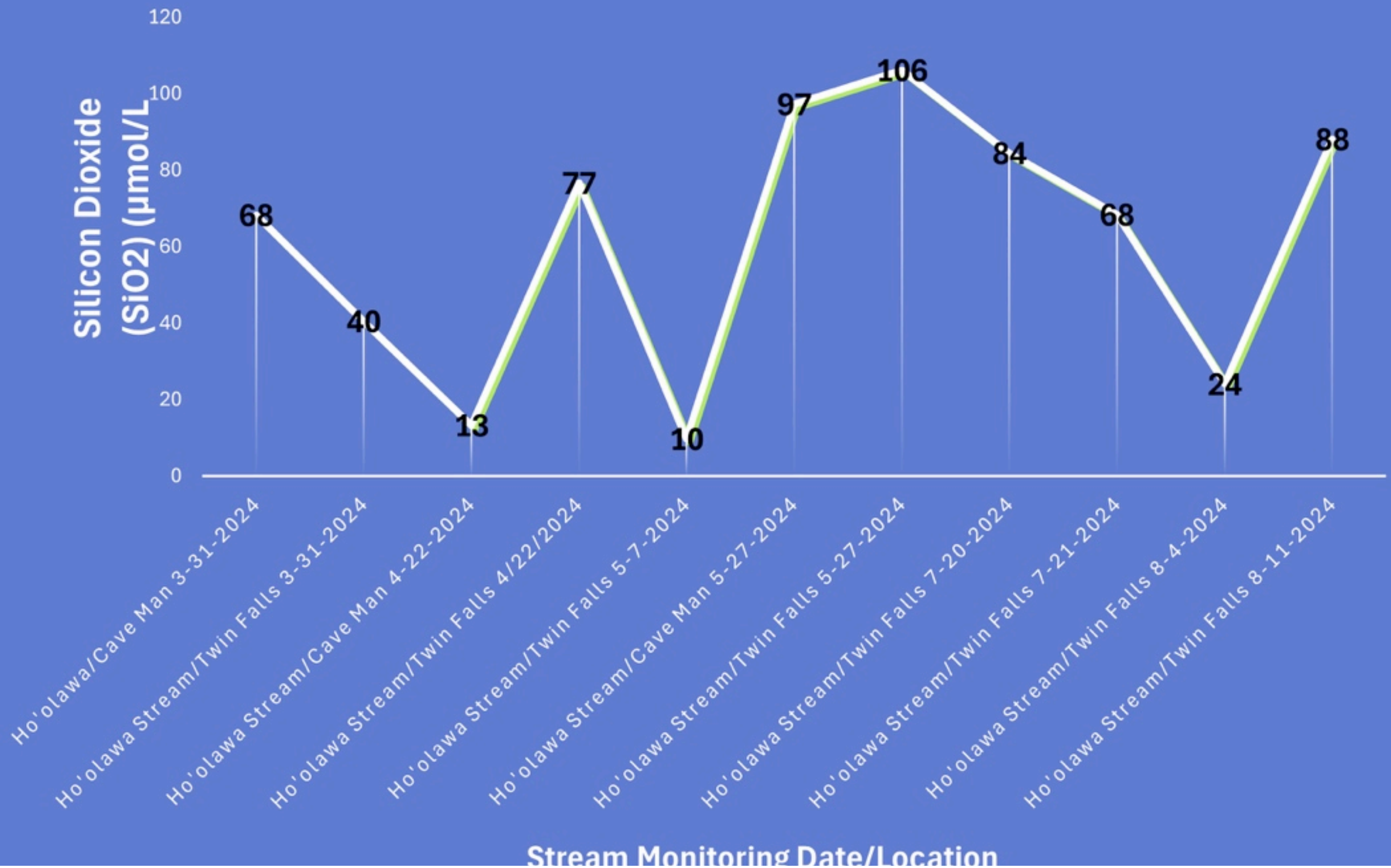
HCA stream monitoring project tests for Turbidity; Dissolved Oxygen; Silicon Dioxide; Conductivity; Ph; E. Coli; Enterococcus; Ammonia; Phosphate and Nitrite levels.

we have included a few slides comparing a range of test results for two of these chemicals in the 4 streams tested as an example of the type of data the program has gathered. The goal is to determine if there are “trends” in elevated levels of various substances in these streams; determine if different streams have different levels and what may cause those elevated levels to occur.

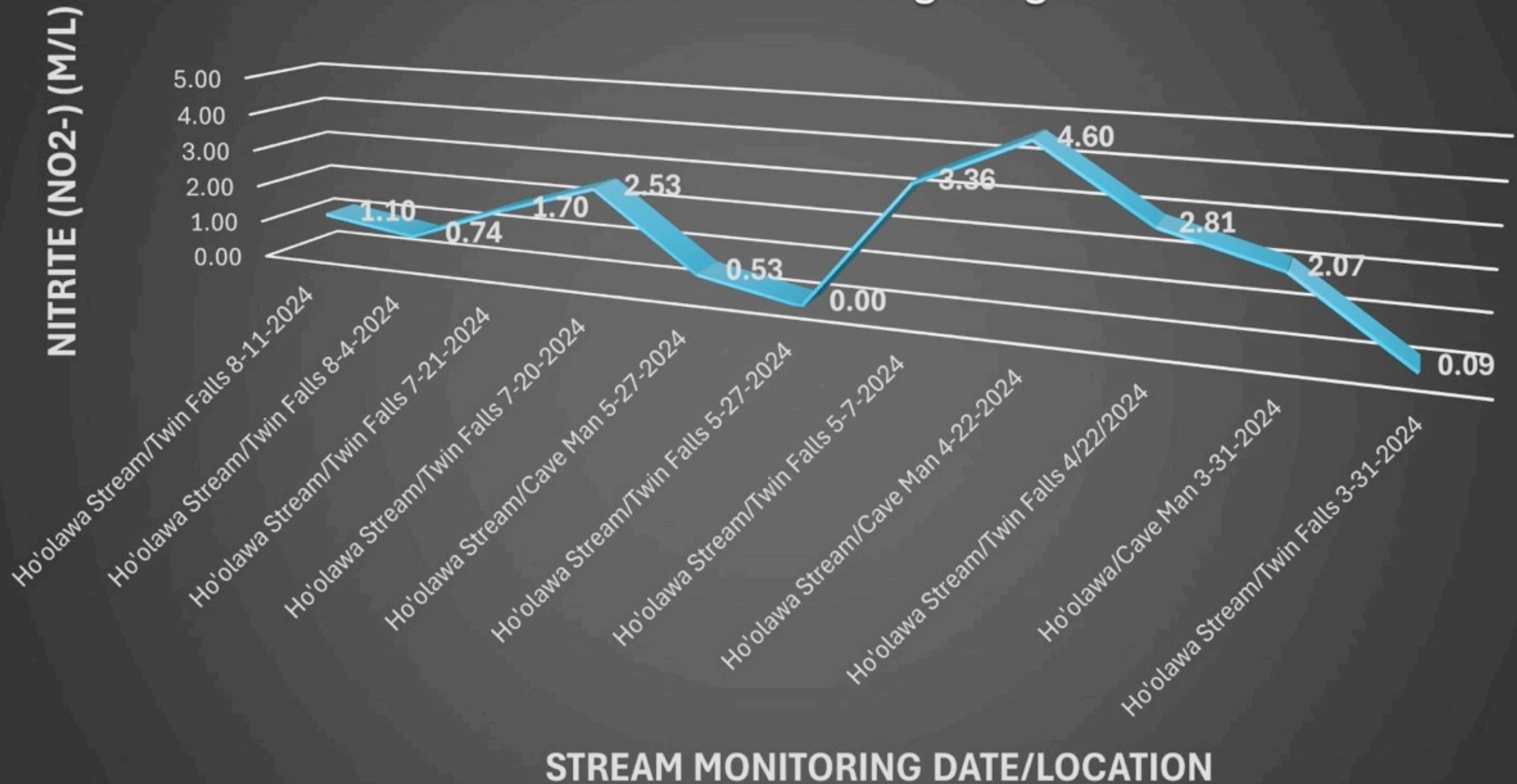
Nitrite levels over 1 mg/liter can affect aquatic species and can have affects on human health if the water is consumed in significant quantities

Silicon Dioxide is a common substance widely found in soil and water. It does not harm human health, but higher levels can cause scale to form on machinery that processes water.

HO'OLAWA STREAM SILICON DIOXIDE (SiO₂) (MMOL/L) MAY-AUGUST 2024 HCA STREAM MONITORING PROGRAM

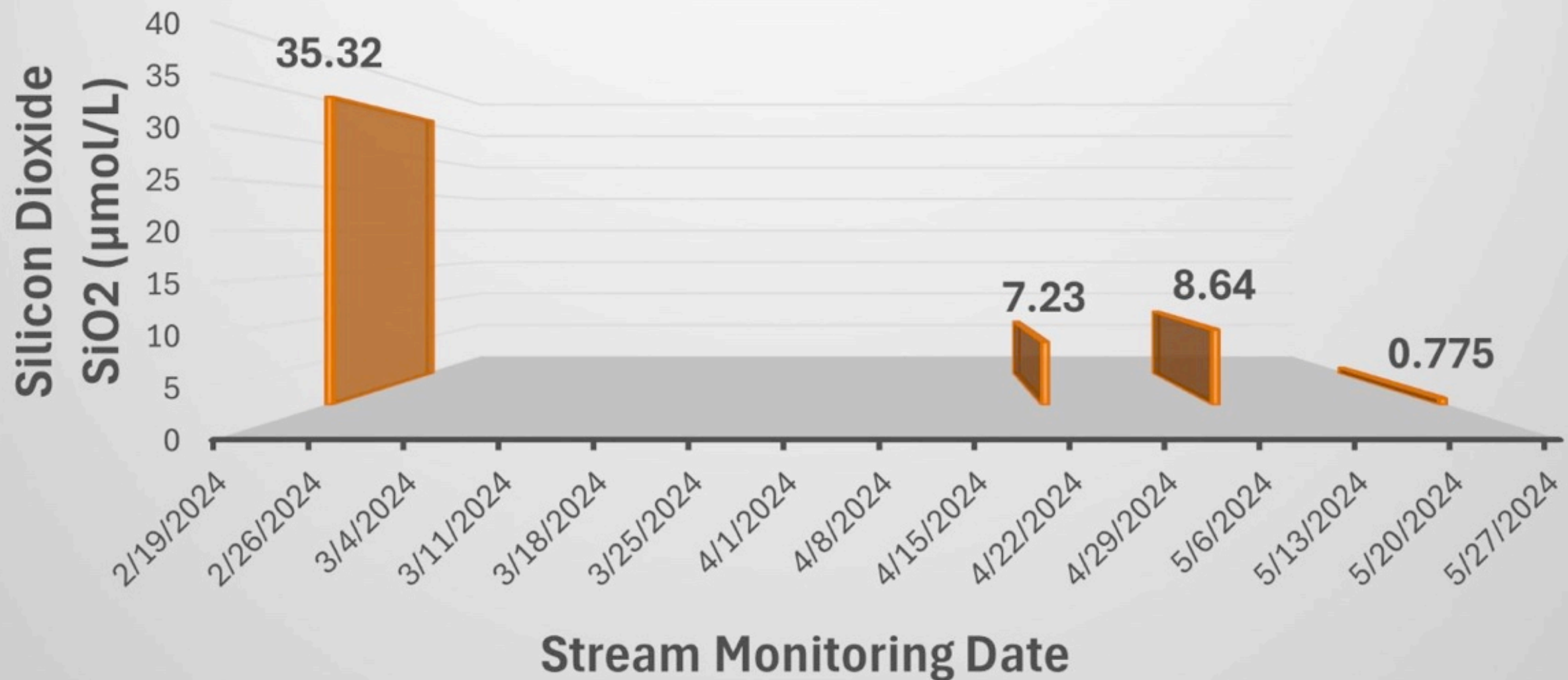


Nitrite (NO₂⁻) (μ/L) March-August 2024 Ho'olawa Stream HCA Stream Monitoring Program

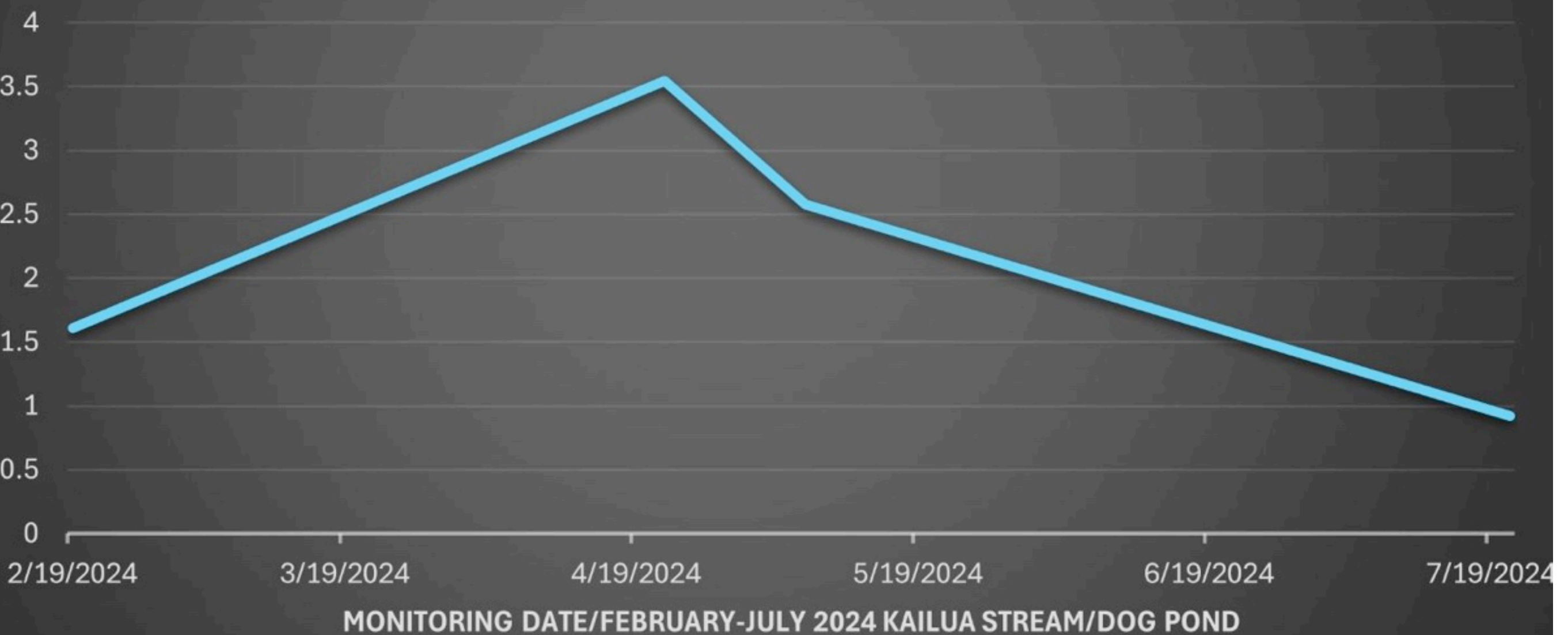


Bamboo Forest/Na'ili'ili'haele Stream Silicon Dioxide SiO₂ (μmol/L) February-May 2024

HCA Stream Monitoring Program



NITRITE (NO₂⁻) (μ/L) KAILUA STREAM/DOG POND FEBRUARY-JULY 2024 HCA STREAM MONITORING PROGRAM



NITRITE (NO₂⁻) (MMOL/L)
KAILUA BAMBOO FOREST, NA'ILI'ILI'HAELE STREAM
HCA STREAM MONITORING PROGRAM

