

HCA STREAM WATER QUALITY

May-July 2025 Snapshot



May 2025: Ho'olawa, Honopou, Kailua and Na'ili'iliha'ele



- HCA Field Tech, Raina Meyer joined with UH Manoa researchers to double check stream test data and equipment
 - Early May Low flows at Ho'olawa Stream, and Kailua Stream & Medium flows at Na'ili'iliha'ele and Honopou
 - Later May- lowest flows at all 4 streams seen during this year.
- HCA reports added USGS stream flow data from 2 stream gauge sites: Honopou and Na'ili'iliha'ele
 - Ho'olawa Bridge site = lowest Turbidity (cloudiness) and lowest reading for Enterococcus (fecal matter) for both May test dates. Highest readings at another measurement site in Ho'olawa- the cave pool site
- Later May- enterococcus levels above EPA suggested limits for 3 measurement sites: Kailua, Na'ili'iliha'ele Stream and Ho'olawa Pool 4. (highest)- E coli was also high at this location
 - Kailua stream always a little low on Dissolved Oxygen. Other streams normal

June 2025 - stream flows very low

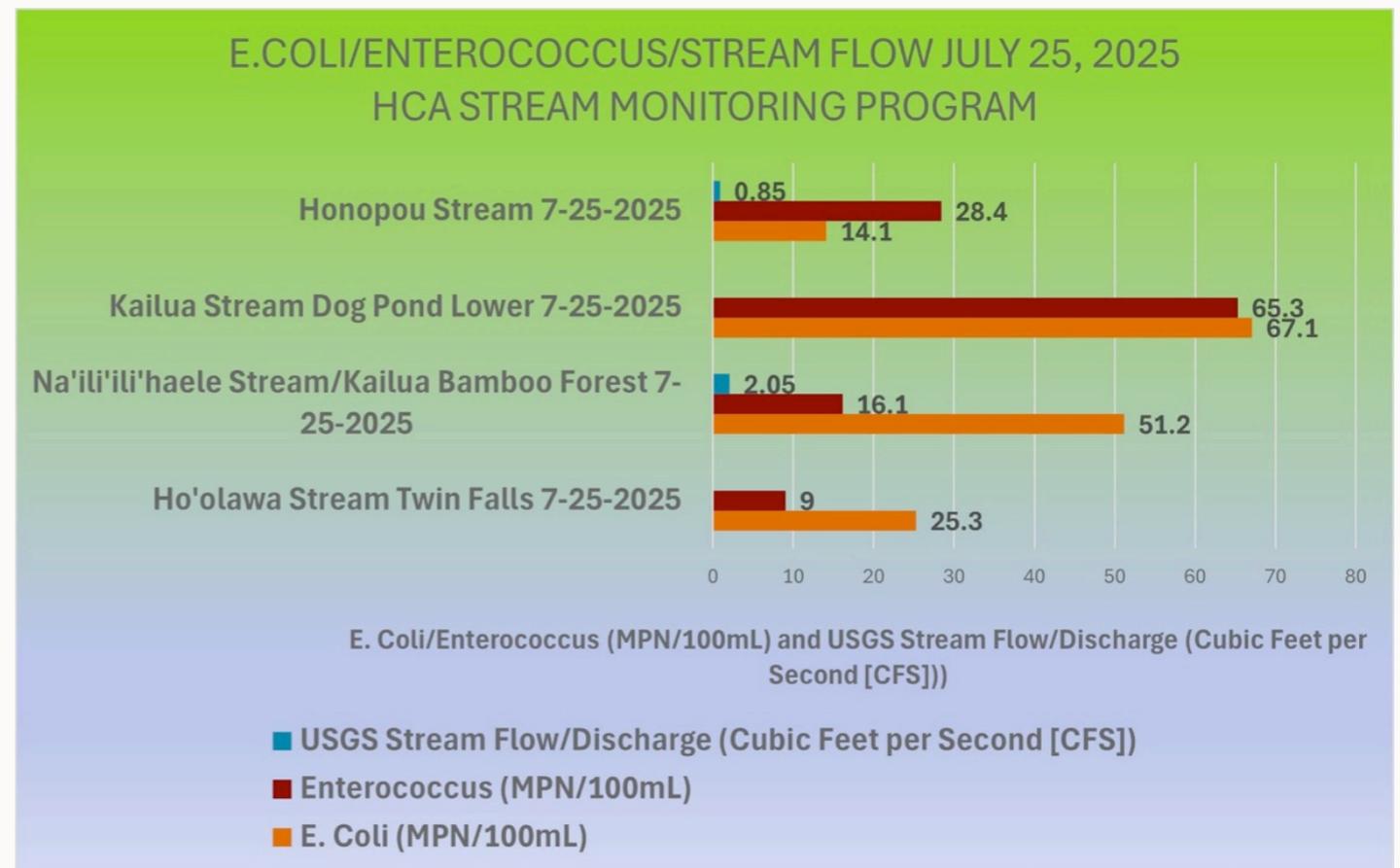


- Data appeared to show- that there could be a minimum low-flow threshold where water quality can be negatively impacted
 - Na'ili'ili'haele Stream /Bamboo Forest (left) exceeded the EPA "level of concern" for Entero- for freshwater recreational use, coming in at 47.8 MPN/100mL, or 37 % higher than EPA level of concern
 - Twin Falls Ho'olawa (right) had lowest Entero levels

July 2025 - stream flows very low



- Kailua Stream/ Dog Pond, has only a trickle of flow- also highest July turbidity measurement (18.9 NTU), Enterococcus (red line in graph below) and E coli - orange line in below graph) levels here were also higher - Entero level were over EPA limit of (35 CFU/100mL E Coli levels were not over EPA threshold



Mahalo!



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