

OVERVIEW - RIO COBRE POLLUTION INCIDENT

26 JULY – 4 AUGUST 2022



National Environment & Planning Agency
5 August 2022

BACKGROUND

- ❑ At 12:06 pm on 26 July 2022, the agency received notification of a spill from the effluent holding pond located at the Charlemont Mud Stacking & Drying Facility operated by UC RUSAL – WINDALCO. The spill reportedly began at 10:30 am on 26 July 2022.
- ❑ Monitoring data on 27 July indicated elevated pH (10.53) and sodium (1130) levels in Rio Cobre at Vanity Fair. Background levels: pH – 7.5 & sodium – 89.
- ❑ Spill ceased on the morning of 28 July 2022.
- ❑ At 4:30 p.m. on 29 July 2022, the agency received notification of another spill from the Effluent Holding. Spill began at 4:00 pm. More aggressive than the spill 3 days earlier.

SITE INVESTIGATION 30 – 31 JULY

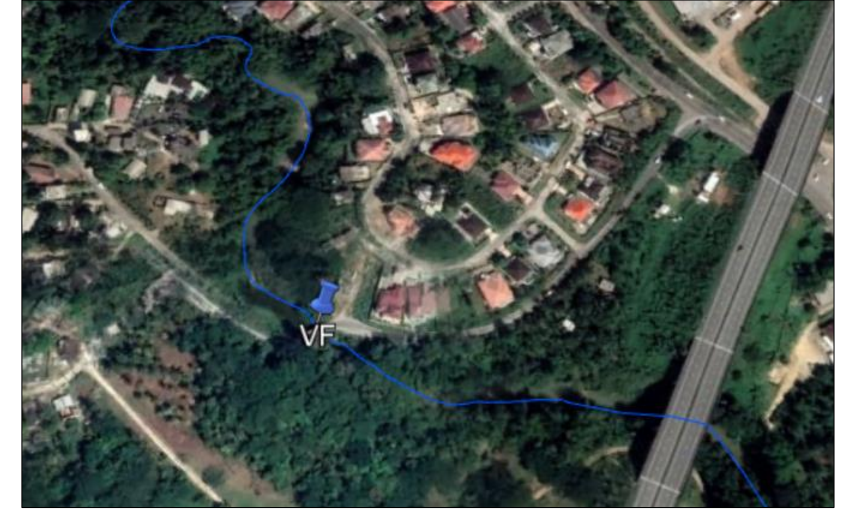
Jericho Bridge pH – 8.22

30 July 2022



Vanity Fair

- Background (pH – 7.5; Na – 89)

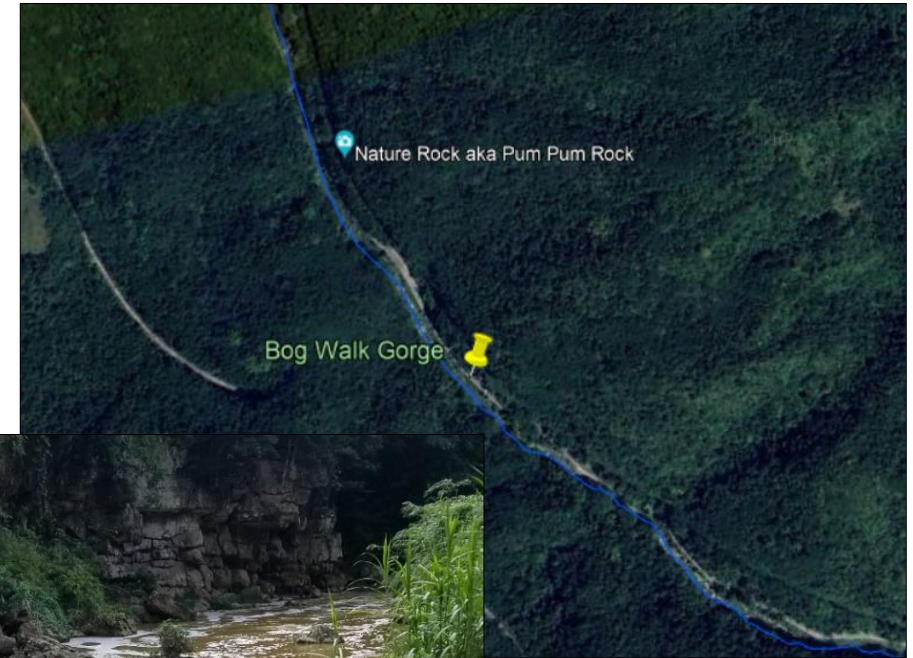


30 July (pH – **11.32**; Na - **2,160**)

31 July (pH – **9.3**; Na - **520**)

Bog Walk Gorge

☐ 30 July - Evidence of
contamination



Flat Bridge

- Background (pH – 8.1; Na – 9.53)



30 July (pH – **10.5**; Na – **680**)



31 July (pH – **9.86**; Na – **387**)

EVIDENCE OF FISH KILL

- ❑ 31 July 2022 – Dead fishes being removed from river.



Flat Bridge



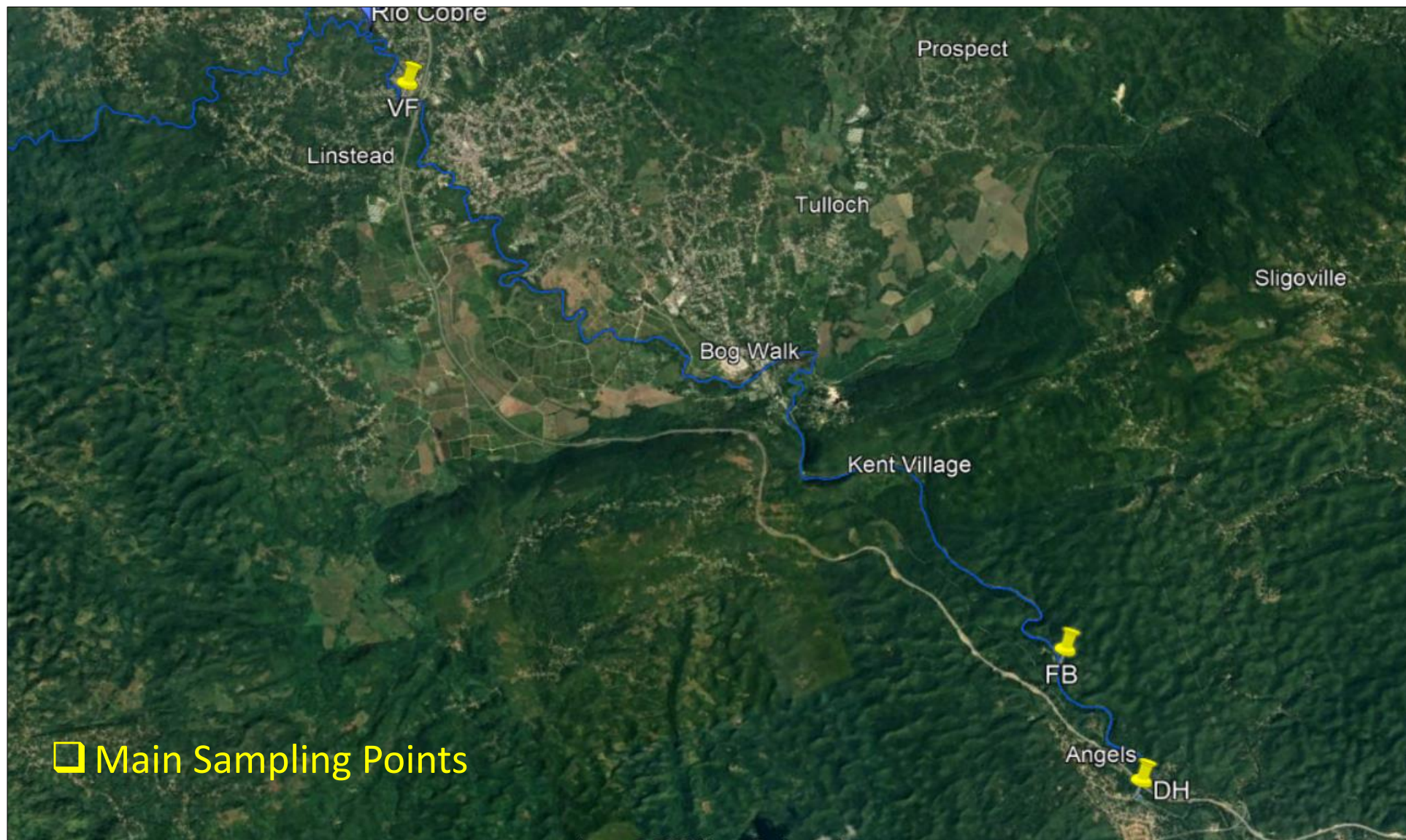
Kent Village

EVIDENCE OF FISH KILL - DAM HEAD

☐ – Dead fishes observed floating along the banks of river on 31 July 2022.

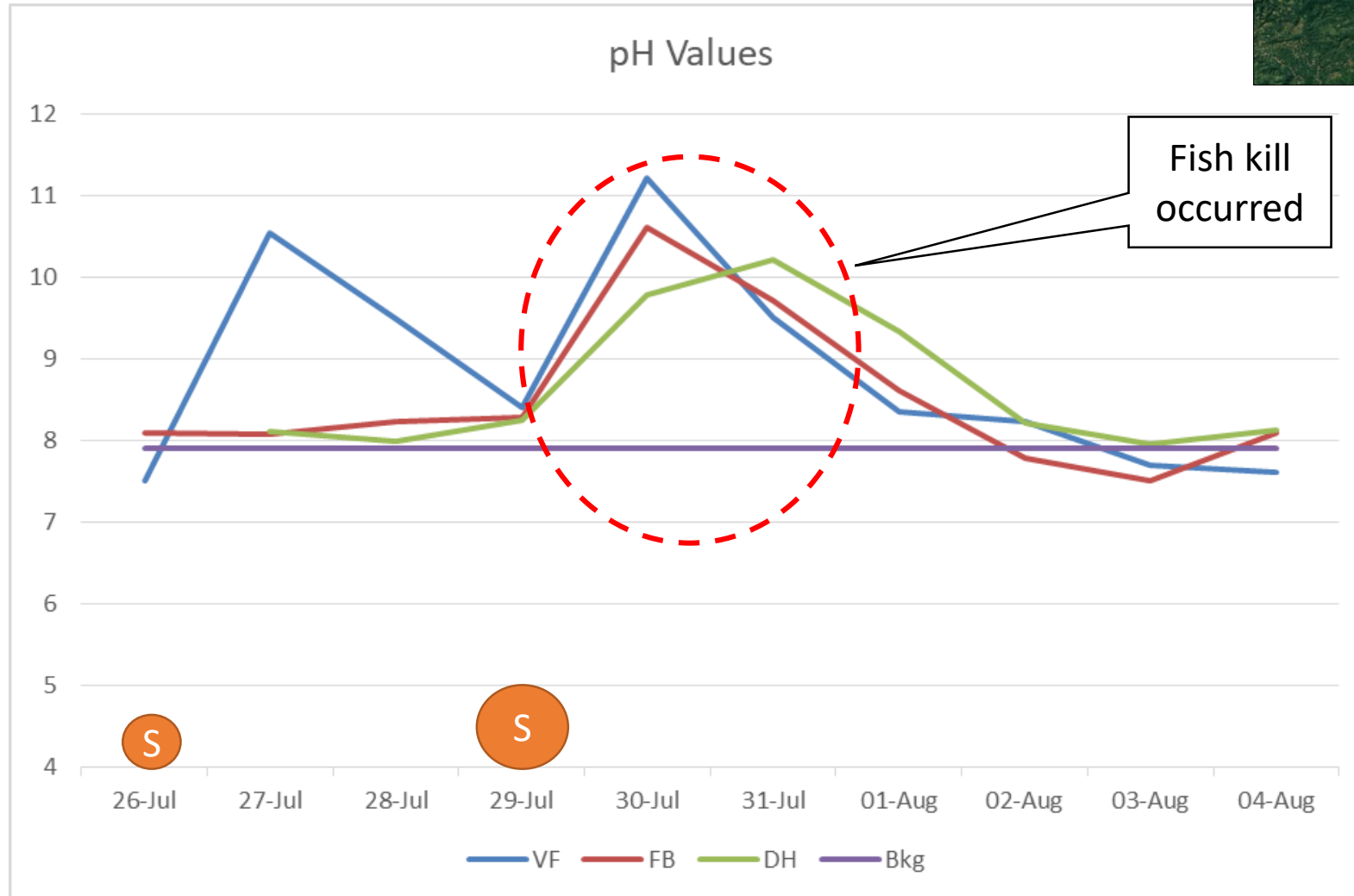
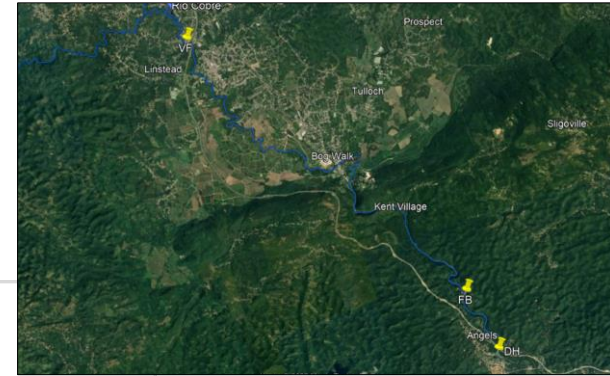


RIO COBRE CHANNEL (LINSTED - DAM HEAD)



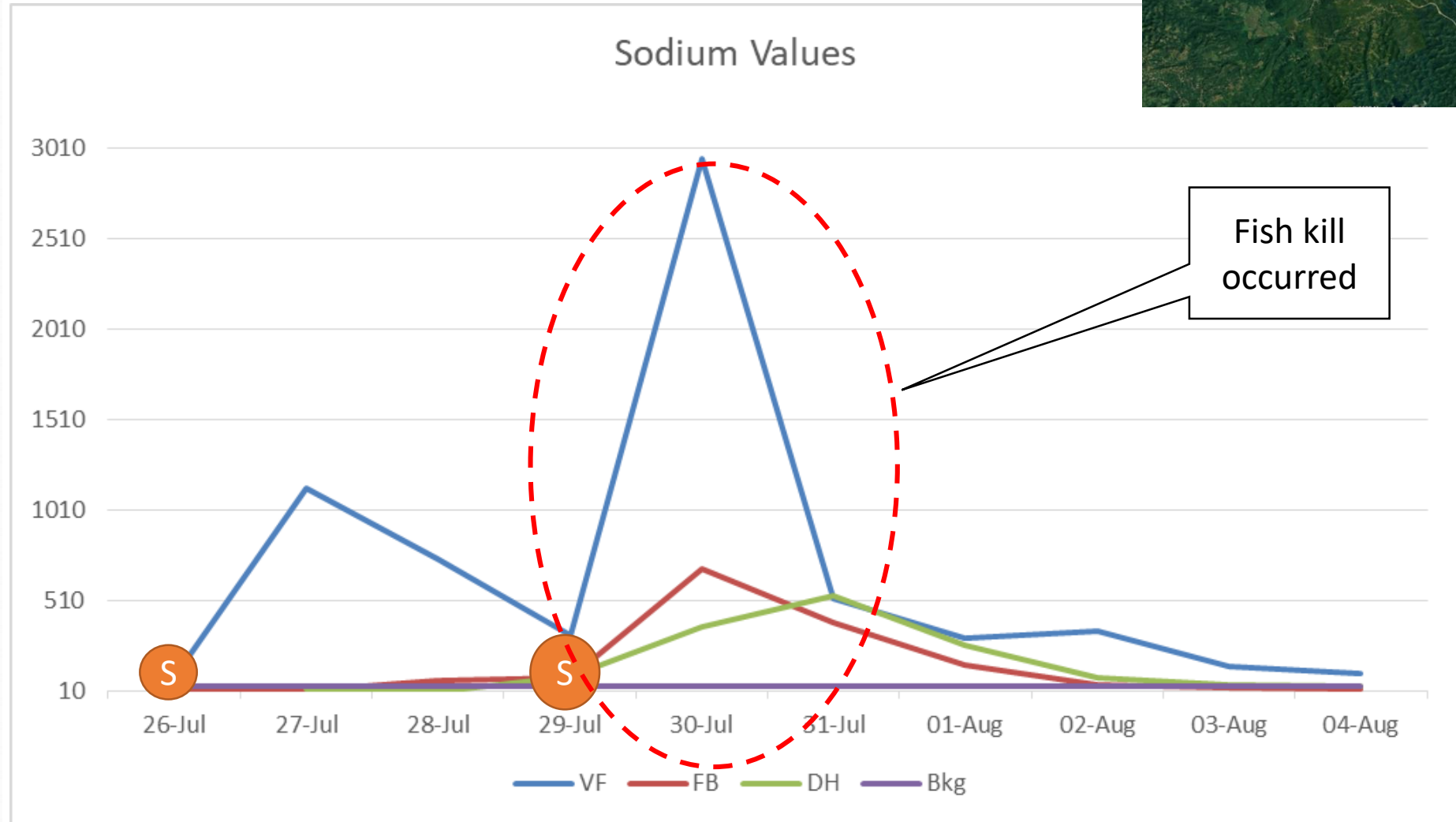
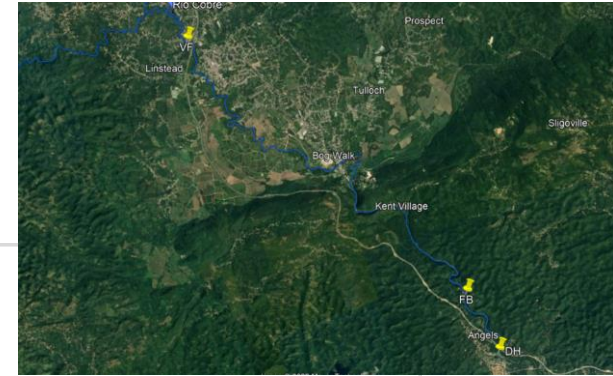
WATER QUALITY PRELIMINARY FINDINGS

☐ Trend in pH Values



WATER QUALITY PRELIMINARY FINDINGS

☐ Trend in Sodium (Na^+) Values



THANK YOU

