

# Maple Cross

Piling Method Statement and Telemetry Update

Planned further assessment

Report to Affinity Water

16 December 2020

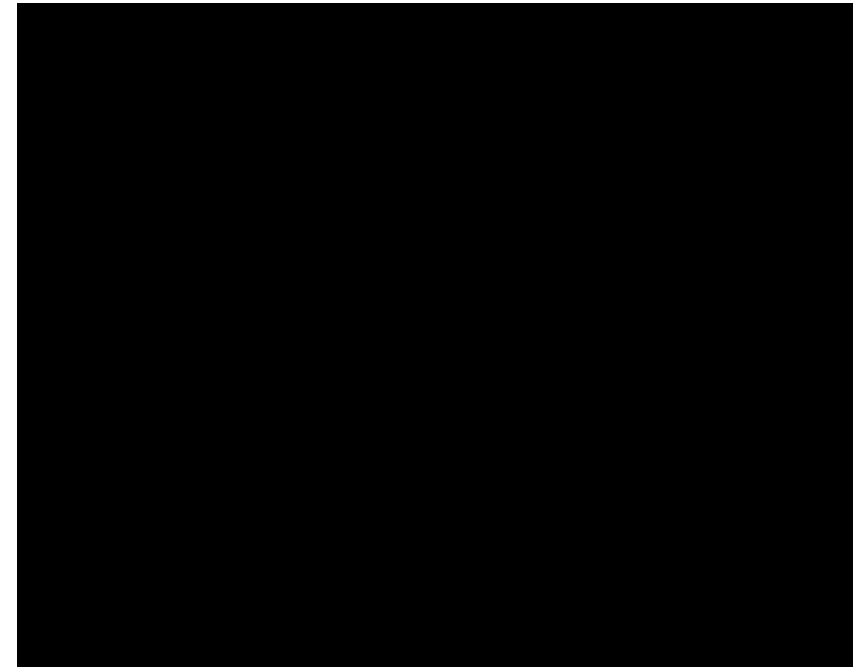


H Fraser  
CONSULTING  
CONTAMINATED LAND  
AND HYDROGEOLOGY



# Agenda

- Introduction to telemetry portal
- Recent groundwater sampling data
- Presentation of Piling Method Statement
- Feedback from Affinity Water
- Ongoing work





# Introduction to telemetry portal

The screenshot displays the HydroVu telemetry portal interface. The main area contains five data charts for station SO1025, recorded on Dec 10, 2020 at 6:08 PM:

- TDS (ppt):** Shows a sharp spike to 0.465 ppt.
- Actual EC (uS/cm):** Shows a sharp spike to 521.5 uS/cm.
- Temperature (C):** Shows a spike to 10.843 C.
- Depth (m):** Shows a spike to 1.63 m.
- Turbidity (NTU):** Shows a spike to 0.265 NTU.

On the right side, the **Location Filters** panel is visible, showing a map and a list of locations:

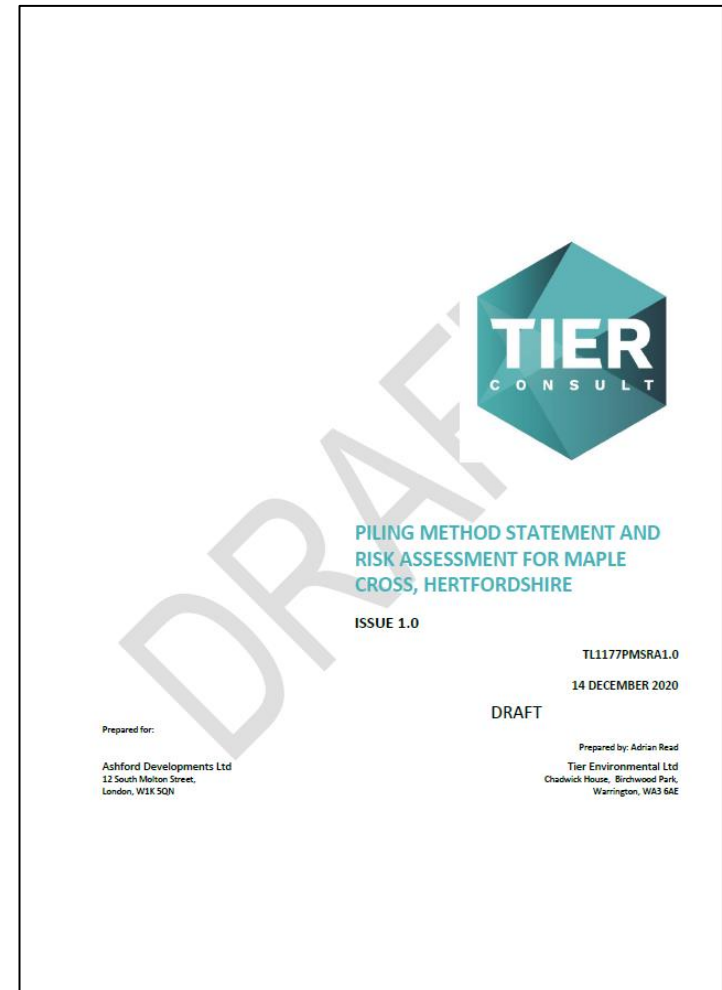
Location	Filter Status
Site 1-System	<input type="checkbox"/>
SO202D	<input type="checkbox"/>
SO102S	<input checked="" type="checkbox"/>
SO201D	<input checked="" type="checkbox"/>
SO106S	<input type="checkbox"/>
SO101S	<input type="checkbox"/>
SO105S	<input checked="" type="checkbox"/>
SO103S	<input checked="" type="checkbox"/>
SO103S	<input type="checkbox"/>
SO106S	<input type="checkbox"/>
SO101S	<input type="checkbox"/>
SO106S System	<input type="checkbox"/>
SO203D	<input type="checkbox"/>
SO203D	<input type="checkbox"/>
SO201D	<input checked="" type="checkbox"/>

The interface also includes a search bar at the bottom left, an **Export Data** button, and a Windows taskbar at the bottom with the system clock showing 12:11 on 16/12/2020.



# Updates

- Recent groundwater sampling data
- Piling method statement





# Input from Affinity Water

- Comments on SI report
- Comments on DQRA



# Ongoing work

- Further assessment
  - Enhanced ground model
  - Flow through piling zone
  - Sensitivity analysis as required
    - Manganese redox
  - Turbidity work
  - Baseline water quality
    - Trigger values and action values for monitoring
- Re-issue DQRA and Piling Method Statement (including mitigation)
- Continued engagement with AW