

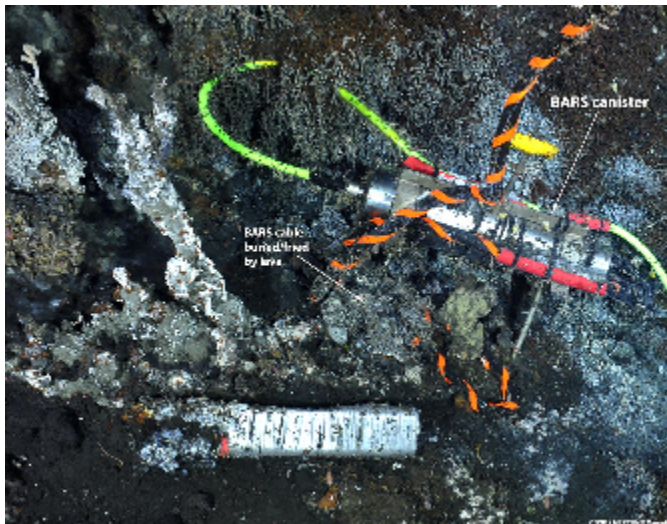
# Benthic and Resistivity Sensors (BARS)

## Benthic and Resistivity Sensors (BARS)

[Instrument Point People](#)

### Benthic and Resistivity Sensors (BARS) at Endeavour

BARS records measurements from a multitude of sensors in hydrothermal vents. It has sensors to measure resistivity, temperature, eH (oxidizable nature of seawater components) & hydrogen. These instruments can estimate chloride concentration, temperature, and redox potential within a black smoker vent by recording a time series of fluid resistivity (M. Lilley, U of W). The region of active geothermal venting, measured by BARS sensors, shows extremely variable temperatures as hot hydrothermal fluid is cooled quickly by surrounding sea water (NEPTUNE Canada: An Invitation to Science).



Above: BARS installed at hydrothermal vents of Main Endeavour Field. [Click to enlarge.](#)