

Community Based Groundwater Monitoring

This checklist will help you when you are installing levelloggers and barologgers at a site. Be sure to record measurements in a log book and add it to a digital file upon returning to your office. This checklist assumes that you have set up your loggers prior to arriving at the site, and they are set to begin collecting data after installation is complete.

Installation Checklist

Must Bring:

- Laptop, software and drivers uploaded
- Padlock and key
- Water level recorder
- Datalogger and barologger
- 2m optical cable for barologger
- 10m optical cable for levellogger
- Zipties
- Field form
- Manual and quickstart guides
- Camera (still and/or video)
- Kneeling pad
- Clippers
- Logger hanger

Also Bring (from home): Charged laptop and cell phone, ratchet set, camera.

Contacts and numbers for property owners: _____

1. Open the well, being careful to keep all parts together so they are not lost.
2. Uncoil and lay out the levellogger and barologger on the ground beside the well.
3. Loop the cable of the barologger so that it is around 1 m long. Tie off the loops these extra loops with a ziptie.
4. Feed the loggers through the logger hanger and secure the cable to the hanger with 5-10 zipties (one can never be too careful)
5. Measure the precise distance from the hanger to the sensor on each logger, record this and make sure it is uploaded into the Groundswell Spreadsheet
6. Secure the hanger onto the well THEN insert the loggers into the well
7. Collect and record a water level measurement. If possible, record the depth of well if possible (turn the probe off and let out the WLR spool).
8. Clean up
9. Take photos for manual

Before leaving the site, double check everything on this list.