

### Cut 400v cable

#### What happened?

1. The work party was removing redundant cables from a cable trench when they inadvertently cut the wrong (live) cable.
2. The cables were being cut in 2-3 metre lengths and identification was done by a) visual identification b) pulling on the cable to identify it and where (b) wasn't viable then c) tapping on it to create a "vibration" to identify one end of the cable, which ran under concrete lids on top, to the other end of the cable.
3. As the cables had been in situ since 1940 there was a lot of debris making identification of cables difficult. Along with layers of multiple cables.

### Karapiro Hydro Station - Mercury

#### What did we learn?

1. Clearly identify correct redundant cables prior to cutting
2. Use a lifting frame to remove the concrete lids so that the entire cable is visible.
3. Lift the cable to be cut out of the trench prior to cutting to ensure the correct cable is cut.
4. Clearly mark the cable prior to cutting.
5. If cable is still not clearly identifiable use a cable spike following correct safe procedures to prove the cable is de-energised.

