

Integrated Workflows for Near Surface Electromagnetic Survey Reporting

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Summary

Creating maps to support environmental assessments can be a time consuming task when many sites are being surveyed and there are a multitude of individual features on a site that need to be mapped in order to help with the interpretation of the geophysical data.

A streamlined mapping and data management workflow has been created through defined field data collection procedures, centralized data management and enterprise GIS and database software. This has allowed for rapid and highly consistent map production on a relatively large scale. Using batch processes, any number of maps can be produced or updated in a small fraction of the time it would have taken previously.

Work is currently underway to enhance the data management and mapping workflow with Python scripting to further merge these processes for data-driven geophysical mapping.

An overview of the results and key learning points will be presented, along with a few examples.