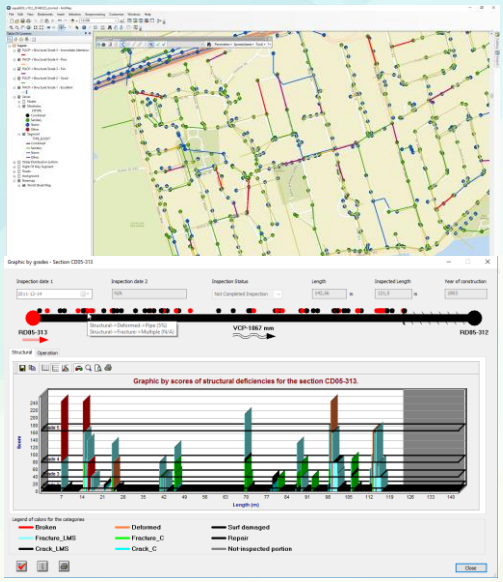
aquaGEO™

EXPERT SOFTWARE

Asset Management

water | sewer | road



Manhole and Wastewater Pipe Management Module

ROLE

- Prioritise sewer inspections and efficiently manage interventions, inventory and characteristics of sewer systems.

ADVANTAGES

- Data management for manhole and pipe characteristics (network type, material, depth, elevation, diameter, length, age, location);
- Manage various types of visual inspections such as: Aqua Zoom, 360◦ manhole inspections and conventional camera (CCTV) with access to various coding protocols including MACP and PACP;
- Quick access to inspection data, photos and videos;
- Manage interventions on manholes and sewer pipes with full record management;
- Prioritisation of assets according to observations entered;
- Quickly view the importance and extent of observations for each asset;
- Projection of a life cycle curve from the available inspection data and physical characteristics;
- Certified software supporting CERIU-NASSCO PACP/MACP, WRc, and NASSCO PACP/MACP standards;
- Pre-validation of PACP/MACP inspection data to preserve the integrity of the GIS database;
- Access all the data in the software database using the simple to use query generator. The results from the query generator can be viewed in spreadsheets, visually as thematic plans or exported to shapefile.

Developed and distributed by Aqua Data

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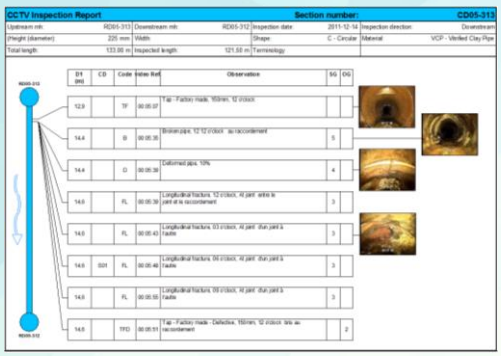

Manhole and Wastewater Pipe Management Module

DEFICIENCIES AND PERFORMANCE RATINGS

- aquaGEO's graphic interface allows quick interpretation of the physical characteristics and conditions of the sewer system. It also allows users to easily change the network characteristics and/or inventory to determine updated intervention priorities for the various assets. The analysis, editing, and printing of data in the form of spreadsheets or visual queries makes asset management much more efficient;
- Identification of intervention priorities based on manhole and pipe observations. Condition grading for manhole's and pipe's O&M and structural condition;
- Availability of a customized coding protocol to benchmark with existing protocols and compare interventions;
- Assignment of a ranking score based on the hydraulic importance of the section or its risk of failure;
- Preservation of records for all the interventions on the networks.

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