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IntelliCore

BRINGING GEOLOGICAL INTELLIGENCE TO YOUR DRILL CORE

General

IntelliCore is a proprietary, online tool that allows GeoSpectral Imaging clients to view, interrogate and integrate their data in a single, centralised location. It provides flexibility to the client because data can be accessed and scrutinised from any location with internet access (see Figure 1), without the need to download large amounts of data. The main advantage of IntelliCore is the variety of ways in which geologists can view their drill core, and the different data sets that they can overlay to acquire information about it.

The benefits of using IntelliCore are:

- Efficient navigation through thousands of core trays.
- Completely online-based.
- Multi-tiered user- controlled access.
- Easy data access and integration.
- Manage projects online.

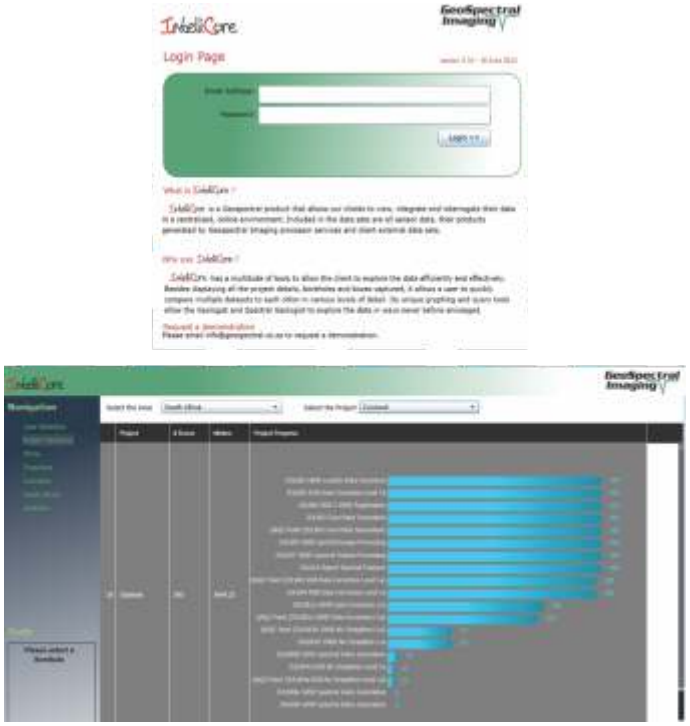

Figure 1: IntelliCore Navigation with Project Statistics.

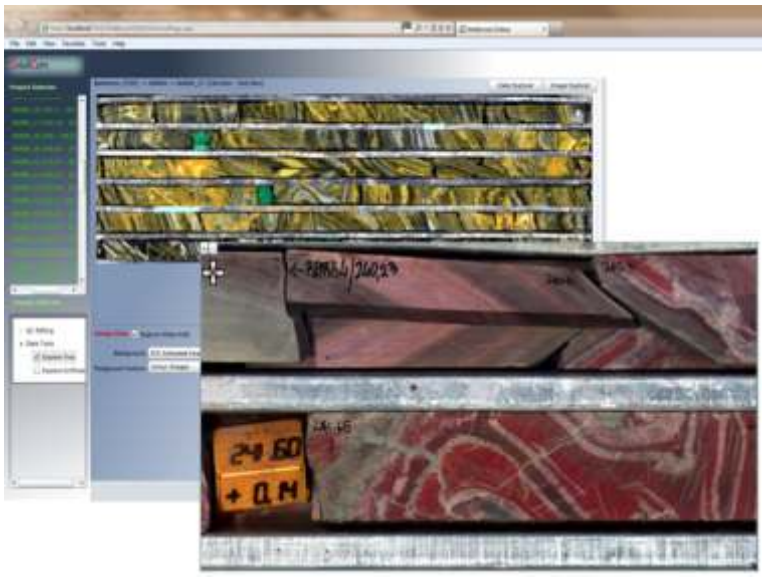

Figure 2: False Colour Composite Image with High Resolution Natural Colour Inset.

Data Exploration

GeoSpectral Imaging generates a comprehensive set of data products specific to the requirements of the individual client. IntelliCore's online interface allows the user to view all generated products, from the scale of an individual pixel in a given core tray, to the scale of the entire drill hole.

Both natural and false colour images are available in the generated data sets (see Figure 2). IntelliCore provides the user with the ability to view multiple sensor products within the same window, and also allows products to be overlaid directly on a core tray or the entire drill hole.

Using IntelliCore's ability to overlay multiple data sets on core tray images, geologists can obtain mineralogical information about the scanned lithology without directly having to sample it (see Figure 3). In addition to this, high quality natural colour images allow the user to characterise mineral textures and structural elements without having to go on-site.

IntelliCore also makes it possible to relate data results directly to the core while exploring the multiple sensor data associated with that core. This is achieved with the use of a number of statistical data plots (see Figure 4), which can be customised by an individual user, and accessed through IntelliCore's Dashboard menu.

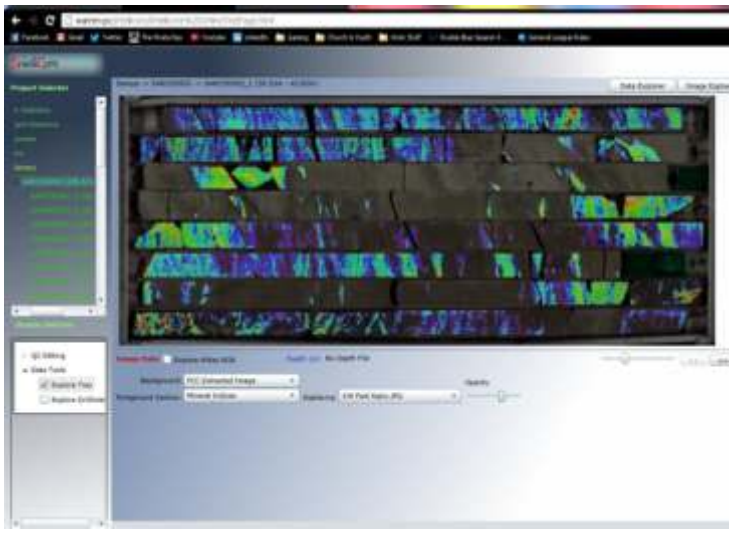

Figure 3: False Colour Composite Image with Mineral Index Overlay.

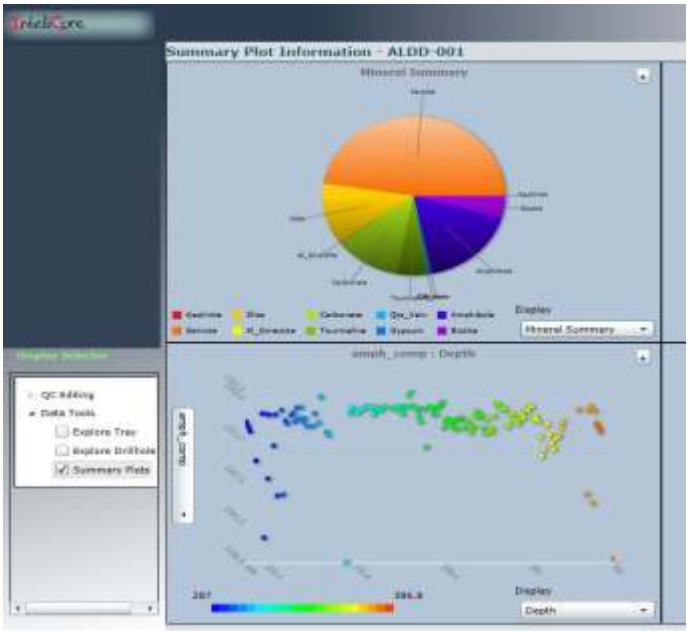

Figure 4: Dashboard View Showing Mineral Summary Plots.

Both image and digital data can be exported in a compatible or readable format to the client at any stage for viewing in compatible programs.

New dashboards can be implemented for client-specific customisation. These additional options will allow the client to focus the data to specific areas of interest to add value to the project and to increase the efficiency of their team.

IntelliCore is constantly being enhanced and refined to make viewing and analysing drill core simpler, faster, and more accurate.

Dashboards

IntelliCore's dashboards have multiple options for viewing data and the associated statistical plots. All imaged trays from a particular drill hole can be viewed by the user as they would in a core shed, with the added advantage of having real-time statistics and other data at their finger-tips. A key feature of these dashboards is the ability for the user to view multiple data sets and associated plots alongside the core to make direct visual comparisons between the two (see Figure 5).

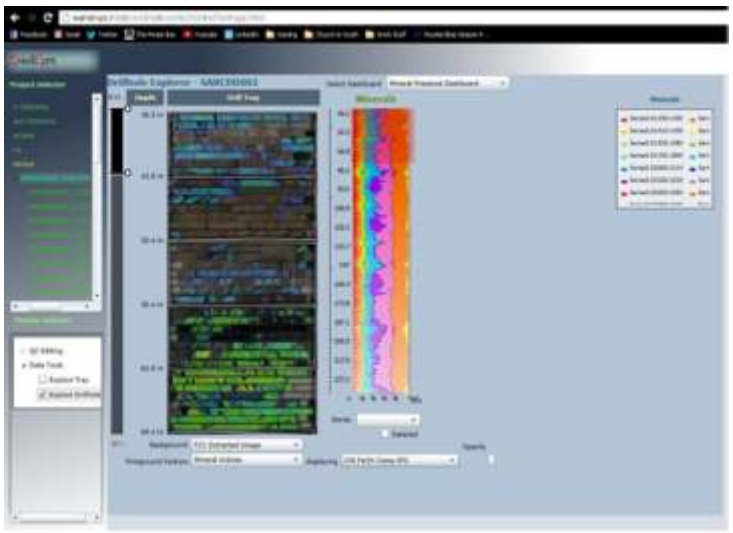

Figure 5: Drill Hole Explorer with Mineral Abundance Plot.