

# Newmont Drill Core Viewer

Proposal for Colorado School of Mines MCS Field Session, Summer 2017

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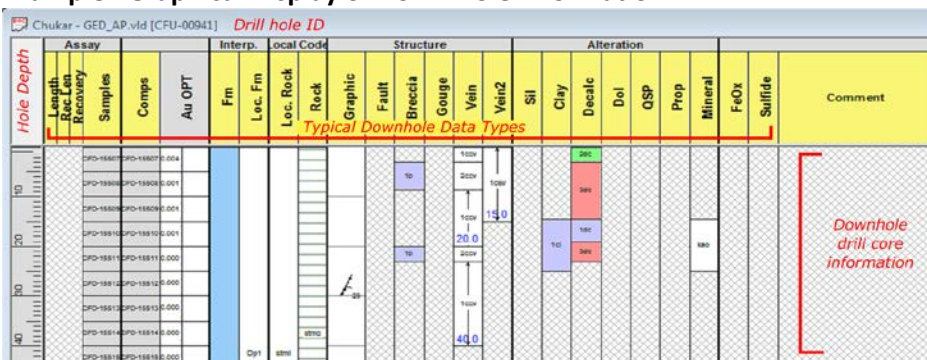
## Introduction

Newmont Exploration has been engaged in worldwide minerals exploration for close to 100 years and as such has logged drilling data from millions of drill holes.

Each piece of drilling information is stored within a relational database, with drilling downhole information such as geology, structure and assays stored via varying **from** and **to** interval values. Trying to view all this drill core information together, via the traditional row and column format is not really possible.

As a solution, Newmont would like to develop an enterprise web based tool to graphically display downhole logging information from the database. Visualizing drill data in this form will allow Newmont's geoscientists to assess and analyze their drilling results more effectively, leading to the next big discovery.

## Example: Graphical Display of Down Hole Information



## Objectives

1. Learn and develop custom JavaScript and html web pages.
2. Work with JSON data sources to display Core Logging information.
3. Display Core Logging information via a web page.
4. If time permits further explore any, or all of the following:
  - Add drill core photo's at the correct intervals
  - Edit drill core logs in the browser.
  - Allow the user to flip the core log horizontal.

## Requirements

1. Interest in JavaScript, HTML and JSON
2. Good communication skills.
3. Work using an Agile methodology.

## Work Environment

Team size: 3-5

The work environment and location are flexible. Anticipate a number of face-to-face meetings and frequent electronic communication as a minimum.