

Geophysical Well Log Conversion from Paper Scans to Digital Files

Intern

STEP Internship 2025

Location: Raleigh, NC
Division of Energy, Mineral and Land Resources

Project/Initiative Objective

To convert historic well logs to a format that the public can use on-line to utilize well data.

Major Task to be Performed

The North Carolina Geological Survey maintains a library of historic geophysical well logs drilled over the past few decades. In order to be able to distribute the data more efficiently and effectively in the modern period, these records need to be digitized and available from a web-service. The chosen candidate will help convert the geophysical line graphs to a digital format using specialized software and Python program scripts developed by the NC Geological Survey. An interest in geology, physical science generally, or computer science, will go a long way to performing well for this internship.

Desired KSAs (Knowledge, Skills & Abilities)

An interest in STEM topics. Basic experience of computer software programs beyond word processing. An interest in geology would be a bonus.

Final Product or Outcome Anticipated

A database of well geophysical logs that can be accessed and analyzed by the general public.

Travel Required

No