
Assessment of the Groundwater Quality from the Post Meteorite Impact Aquifers, in the Virginia Coastal Plain

A Data management plan created using the DMPTool

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Products of research

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Types of Data Produced

Data collected for this project will be information regarding the sediments of the coastal plain aquifers (Piney point and Potomac; specifically grain size distribution and elemental composition) and groundwater quality of the aquifers (dissolved heavy metal concentration). The sediment samples will be collected from the Piney Point and Potomac exposures. Groundwater samples will be collected from wells drawing from the Piney Point and Potomac aquifers.

These measurements will be recorded into a lab notebook, then entered into an Excel spreadsheet.

At each sampling location we will record the coordinates. These coordinates will be used to create a map displaying sampling locations. ESRI's ArcMap program will be used to create the map

Data format

2. Data and metadata standards

All data will be in .csv and .txt files. A microsoft excel spreadsheet will initially be used to record all measurements. The spreadsheets can then be exported as text files.

The metadata file describing the data will be stored as a .txt file.

The map as well as the layers and any important tables created using ArcMap will be exported as a map pack.

The data will be submitted to the VCU Rice Center. The data will be submitted to a relevant scientific journal.

Access to data, and data sharing practices and policies

3. Policies for access and sharing

Data will be stored on the University's RedCap and/or the University's Rice Rivers Center Google Drive.

All data will be made available by January 1st, 2016 or when the project is completed. Metadata files will accompany the data files that will have information explaining what the data means (how it was collected, the types of measurements, an explanation of sample codings, and sampling locations).

In order to reuse the layers in the mappack, ArcMap will be needed.

Policies and provisions for re-use, re-distribution and production of derivatives

Policies for Re-use, Distribution

The data will be submitted to the VCU Rice Center. The data will also be submitted to a relevant scientific journal.

The data will be made available after the project is complete or January 1, 2016

I along with any other researchers that assist me with the project will hold the intellectual property rights of the data.

Archiving of data