



Sampling at the DNR Drill Core Library

The DNR encourages sampling of open file drill core for chemical analysis, thin sectioning, etc. The following guidelines are designed to preserve and enhance the value of these unique cores. Your cooperation will be greatly appreciated, if you have any questions please ask a staff member for assistance.

Amount of core

To preserve a meaningful geologic record, the Minerals Division retains a minimum of 1/4 of each drill core along the length. However, under special circumstances, sampling may be allowed if this minimum has been reached.

Forms

A digital sample request work order form must be filled out digitally, one per drill hole. Digital forms and computer access can be obtained from a staff member.

Preparation and sampling

- Fill out the sample request work order digital form. In addition, DNR provided sample cards are to be filled out by the sampler.
- For each sample to be sawn or sampled, plainly mark the interval(s) and place a filled-out sample card. Sawing will be done by Lands and Minerals Division staff; efforts will be made to saw samples immediately, but larger amounts may take two to three weeks.
- Remove any samples. **A Lands and Minerals Division staff member MUST be present when samples are removed from core boxes.** All sample cards and footage markers are to remain in the boxes. The time frame for sampling depends on the amount of sample and the amount of sawing to be done.

Results

Public Core: A copy of all results - chemical analyses, age dating, geophysical analyses, etc. must be sent directly from the lab to the Core Library staff. These results are considered public information 12 months after sampling and are placed in an open file.

Non-Public Core: If the core sampled is considered non-public the sampling results remain private until 180 days after lease termination at which point they are considered public information and placed in an open file.

Pulps, rejects, and thin sections

Pulps and rejects should be sent from the lab to the Lands and Minerals Division for permanent storage (up to 150 gm and 1 kg. respectively). In the case of thin sections, a duplicate section must be prepared for the library collection.

Shipping

All shipping expenses will be the responsibility of the sampler. A copy of the analytical labs' submittal form must be supplied to the Core Library staff.

Samples will be released when the above conditions are met

DNR Drill Core Library Contact to Mail Lab Results, Pulps, Rejects, & Thin Sections

- **Nicholas Niemi**
Address: DNR Lands and Minerals Division, 1525 Third Avenue East Hibbing, MN 55746

- Telephone: 218-231-8461 and/or email: nicholas.niemi@state.mn.us