

Context

The Rock and Mineral Collection(RMC) digitizes my personal collection of rocks and minerals that have been collected primarily from around the United States and from other countries as well. Some of these objects have been collected by individuals I know and have been gifted to me.

Content

The RMC contains photographs of 24 rocks and minerals that I have collected and will be updated as the collection grows. The photographs will be taken by myself using a digital camera and the photos will be uploaded into the collection. The description of the items will focus on classifying the rocks/minerals whether it's by mineral type or rock type using controlled vocabularies as well as noting the locations and ownerships the rock/mineral has been held under.

Users

This digital library will be primarily for personal use, as it is quite difficult to label and classify rocks and minerals physically without altering their faces. It will be of use to family and friends as they might be interested in adding to my collection. Collectors might also get some use out of the collection as I will be identifying the rocks and minerals and where they came from.

Functional Requirements

Browse by:

- **Size**
- **Weight**
- **Color**
- **mineralType**
- **rockClass**
- **locationFound**

Fielded Search by:

- **Title**
- **rockClass**
- **mineralType**

Limit searches by:

- **Date**
- **locationFound**

	Obligation	Cardinality	Controlled Vocab	Content Guidelines	Mapping to DublinCore	Notes	Examples
title	Required	1		<p>Name of rock's class. Then, name location where it was found as exact as possible. If more than one was collected include weight in ounces.</p> <p>Name of mineral followed by location discovered. If more than one include weight in ounces.</p> <p>All first letters except articles capitalized.</p>	Title	Identification of rock/mineral	<p>Rocks: Sedimentary Rock from Indiana</p> <p>Minerals: Quartz from South Dakota, 4 oz.</p>
format	Required	1	MIME Type	Will always be an image	Format	The media type	image/jpeg
objectid	Required	1		<p>Format rocks: rockxxx</p> <p>Format minerals: mineral001</p>	Identifier	Used to get URL	rock001
filename	Required	1		Must match filename in directory	Identifier	File name + extension	rock001.jpg
giver	Recommended	Any value, usually 1		Format: Last Name, First Name	Contributor	Person who gave the item to me	Smith, John
date	Required	1	W3CDTF	<p>If exact day is unknown, give first day of the month.</p> <p>If month and year are unknown, give approximate date with first day of a month and note in description.</p> <p>Format: yyyy-mm-dd</p>	Date	Date the item was originally found. This could be the day I found it, or the day the giver found it.	2024-05-12
dateAccepted	Recommended	1	W3CDTF	Format: yyyy-mm-dd	Date	Date the item was	2024-06-12

						gifted	
location	Required	1	TGN	Use TGN Depending on amount of information known, format as: Name of park; Name of city, state; Name of city, country. If there are further details regarding well-known geological features such as caves, beaches, or volcanoes, and it's included in TGN, use that.	Cover age	Location as to where the rock was found	Denali National Park (national park)
rockType	Required	1	RCS	Identify the rock using RCS using what is already known or describing within the search field.	Descr iption	A more specific classification of the rock	Obsidian
rockClasses	Required	1	RCS	Can be of three classes: Igneous, Sedimentary, or Metamorphic *only used if item is a rock* Will be in the description field Format: capitalize first letter, rest lowercase	Descr iption	Description of rock class	Igneous
size	Required	1		Measuring , in centimeters the longest point front to back and side to side. Format: l x w cm.	Descr iption		23 x 26 cm.
weight	Required	1		Measured in ounces Format: (weight) oz.	Descr iption		10 oz.
color	Required	Any value			Descr iption		Light pink
texture	Recommended	Any value		Words and/or short phrases that provide basic sensory description of	Descr iption		Gritty, like sand

				object's surface			
descripti on	Recomm ended	Any value		Format: Basic sentences separated by periods.	Descr iption	Should provide a basic visual description of object alongside other information not included in other fields.	This quartz rock is pink with white veins going through it.
latitude	Required	1		Input as much information as provided by Google Maps. DO NOT ROUND!	Cover age	Use Google Maps	63.2359 89
longitude	Required	1		Input as much information as provided by Google Maps. DO NOT ROUND!	Cover age	Use Google Maps	-150.838 823
mineralT ype	Required	1	EarthRef Mineral Classificatio n	Use the Mineral Classification to identify the mineral. *only used if item is a mineral*	Descr iption		Quartz

Explaining Cardinality: Legend	
1	There will be only 1 value for this property i.e. only 1 title or objectid will be associated with an item
Any value, usually 1	There can be more than 1 value for this property, but usually only 1
Any value	Any number of values can be input for this property