# WDI Metadata Template (2019)[[1]](#footnote-1)

Data should be in csv text file. If starting with an Excel spreadsheet, please make sure it does not contain any formulas and comments on cells. If you need comments put them in their own column. If data were used in a database and major table linking is necessary to analyze, please de-normalize into a flat file, not just database table exports. Please feel free to be as descriptive as needed, there are no word limitations.

## Dataset Title

(be descriptive, more than 5 words):

*Coal Mine Water Quality Data.*

*Water quality data for coal mines has been compiled from 1979 to 2015.*

## Short name or nickname you use to refer to this dataset:

*Coal Mine Water Quality Data*

## Abstract

(include what, why, where, when, and how)

*This coal mine water quality data set has surface water and ground water quality data from 1979 to 2015 from the EMNRD Mining and Minerals Division (MMD) Coal Program. Post-2015, more water quality data has been provided by mining companies, and some data represent split samples or samples collected by EMNRD. The data set has not been updated over the last 4 years, an updates could start again in the future. Paper files exists for more recent water quality results. The spreadsheet is available on the EMNRD web site on the MMD page for the Coal Program. The data set on the MMD web site has the name All Water Quality. These data include lab and field parameters. Over 1300 sample locations include one to hundreds of samples at the same location.*

## Investigators / Champions /Primary POC\*

list in order as for a paper with e-mail addresses, organization and phone number. If Agency, please note both Agency and Bureau or other sub-agency name if applicable. Please put an \*\*asterisk\*\* by the primary Point of Contact for the dataset.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| First Name | Middle Initial | Last Name | Organization/ Agency | e-mail address | Phone number |
| *Monte* |  | *Anderson* | *Retired EMNRD* |  |  |
| *James* |  | *Whitaker* | *EMNRD IT* | [*James.whitaker@state.nm.us*](mailto:James.whitaker@state.nm.us) | *505-476-3300* |
| *Shann* |  | *Stringer* | *EMNRD MMD Coal Program* | [*Shan.stringer@state.nm.us*](mailto:Shan.stringer@state.nm.us) | *505-476-3410* |

## Other personnel names and roles

(dataset creators & contact, field crew, data entry etc. with e-mail addresses, organization and ORCID ID)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| First Name | Middle Initial | Last Name | Organization | e-mail address | Phone number | Role in project |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

## Public Access Restrictions

(Please list any factors or considerations that would preclude making this data available to the public. Are there any security issues or protocols that influence who can access the information? )

*No restrictions on this data.*

## Keywords

(List keywords and separate with commas.

## Funding of this work:

Add rows to table if several grants were involved, list only the main PI, start with main grant first:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| PI First Name | PI Middle Initial | PI Last Name |  | Title of Grant | Funding Agency | Funding Identification Number |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

General funds of NM and OSM funds

## Timeframe

* Begin date *1979*
* End date  *2015*
* Data collection ongoing/completed *Data submitted on paper and data set not updated since 2015. However, updating this data set may occur in the future.*

## Geographic location

* Verbal description: Coal mining areas in New Mexico, primarily in the NW and NE part of New Mexico
* Describe the coordinate system used in the data: Varies as described on the tabs.

## Data Purposes

## Please describe whether this data is used for operations, research, regulatory, or other decision purposes. If certain agencies are known downstream consumers of the data, then please list who they are and what aspects of the data is of interest to them.

*Data collection follows regulatory requirements and permit driven for coal mines during operation and reclamation.*

## Data Source

What is the source of the data? is it collected by you or the agency, or others?

*Coal mine collected data and submitted to state agency, and some split samples collected/tested by MMD.*

## Collection Methods

How is the data collected (automated metering, by hand, provided by a client, etc). Please be specific, include instrument descriptions, if available. OR, if this is a data compilation, point to a protocol online, please specify datasets used, preferably their DOI or URL plus general citation information)

## Data Collection Frequency

Please describe how often the data is collected/updated.  *Data is collected quarterly, and data set has not been updated for four years. However, the data updates may resume in the future.*

## Data Table - Show us what the dataset looks like.

* Column name: exactly as it appears in the dataset. Please avoid special characters, dashes and spaces.
* Description: please be specific, it can be lengthy
* Unit: please avoid special characters and describe units in this pattern: e.g. microSiemenPerCentimeter, microgramsPerLiter, absoptionPerMolePerCentimeter
* Code explanation: if you use codes in your column, please explain in this way: e.g. LR=Little Rock Lake, A=Sample suspect, J=Nonstandard routine followed
* Data format: please tell us exactly how the date and time is formatted: e.g. mm/dd/yyyy hh:mm:ss plus the time zone and whether or not daylight savings was observed.
* If a code for ‘no data’ is used, please specify: e.g. -99999

|  |  |  |  |
| --- | --- | --- | --- |
| Please add rows as needed |  |  |  |

## Data provenance

(Were these data derived from other data? If so, you will want to document this information so users know where these data come from.)

|  |  |  |  |
| --- | --- | --- | --- |
| Dataset title | Dataset DOI or URL | Creator (name & email) | Contact (name & email) |
|  |  |  |  |
|  |  |  |  |

## 

## Data Storage

How and where is the Data stored? For example: on the cloud, at an agency server, other.. *Agency server.*

## Data Quality Assurance

(Please describe what processes are used to ensure good data quality. If existing agency protocols exist, please include a link or attachment to this document)

## Name

What is the name or description of the software that you use to compile or host the dataset?

*EXCEL*

## Database Access Logistics

(Please describe mechanisms available for linking to the central CKAN platform. E.g., manual uploading of files, API, etc.)

## Visualization

How is the data available visually? Via a map, a table, or other method?

Table.

## HIPAA/IPRA Requests

Is this data often requested through HIPAA or IPRA requests?

## Articles or Reports

(List articles or reports derived from this dataset)

|  |  |  |
| --- | --- | --- |
| Article DOI or URL (DOI is preferred) | Article title | Journal title |
|  |  |  |
|  |  |  |

## Scripts/code (software)

(List any software scripts/code you would like to archive along with your data. These may include processing scripts you wrote to create, clean, or analyze the data.)

|  |  |  |
| --- | --- | --- |
| File name | Description | Scripting language |
|  |  |  |
|  |  |  |

## Notes and Comments

1. Adapted from the EDI metadata template, which liberally borrows from similar documents at SBC and GCE [↑](#footnote-ref-1)