

Earth MRI Mine Waste Characterization
YY GEOLOGICAL SURVEY

FIELD DATA SHEET

Example Tailings Site, County, YY State

20XX

Tailings composite sample

Sample ID _____

Site and Sample Unit _____

Date _____

Time _____

Collected by: _____

Photo(s) taken (Y/N) ____

Description of site and sample unit:

Description of tailings: surface and subsurface color? Moisture content? Material size and variability?

Sieving notes:

Detailed site description and site notes:

Sampling equipment used; other notes: Vegetation? Efflorescent salts? Seeps/drainage/erosional features? Notes on geology/mineralogy? Pile stability? Nearby water bodies?

Weather notes: current conditions? Recent precipitation?

Sample ID _____
Date _____

Latitude/longitude of subsamples (description of how data collected and/or data collected):

Additional data collected (paste pH, pXRF, etc):

Geospatial data (description of measurements if made in the field):

Samples are labeled with:

- Unique ID number
- Date/time
- Project ID

Earth MRI Mine Waste Characterization
YY GEOLOGICAL SURVEY

FIELD DATA SHEET

Example Water Site, County, YY State

20XX

Water sample

Sample ID _____
Site Name _____
Date _____
Time _____
Collected by: _____
Latitude _____
Longitude _____
Datum _____ Elevation _____ Photo(s) taken (Y/N) _____

Description of site and water body location:

FIELD PARAMETERS

pH _____
Calibration: Buffers, lot, exp: _____

Calibration slope _____
Pass/Fail (92%-102%)? _____
pH QA check _____
Pass/Fail (+/- 0.05)? _____

ORP (mV) _____
ORP check _____
Pass/Fail (+/- 10mV)? _____

DO _____ mg/L
Method _____

Flow/discharge _____
Method _____

Temp _____ °C
Source of T _____

Conductivity _____ μS/cm
Calibration standard, lot, exp: _____
Cell constant _____
Temperature _____
QA check _____ μS/cm
Pass/Fail (+/- 10%)? _____

Filter type/filtration setup: _____

Water collection method: _____

SAMPLES COLLECTED

WATER

___ Metals/Cations - RA
___ Metals/Cations - FA
___ Precious metals - FA
___ Anions - FU
___ Alkalinity/acidity - FU

Other samples collected:

Sample ID _____

Date _____

Detailed site description and site notes:

Water description (color, cloudiness, other); additional site notes (water source, treatment plant, other); electrodes used for field parameters; vegetation? Efflorescent salts? Biofilms? Insects/aquatic life?

Weather notes: current conditions? Recent precipitation?

Discharge/flow measurement (description and/or data collected):