



Point Locational Data Collection Sheet

Instructions

1A. Facility ID - For official use only. Leave blank.

1B. Permit Number or Other Identifier - Enter the division/program assigned identifier. Leave blank if collecting data for new facilities or features of interest.

1C. Facility or Site Name - Fill in the name of the facility or site.

1D. Location Address - Fill in the physical or site address of the facility. Do not use a P.O. Box.

2. Data Recorded For - Circle the division/program for which data are being collected.

2A. Section/Unit - Enter the name of the section or unit for which data are being collected.

3. Location Coordinates - Spatial reference of data collected is to be Universal Transverse Mercator, or UTM, Zone 15 North with units of measure in meters. Enter the Easting and Northing coordinates.

4. Horizontal Collection Method - Indicate the method used to collect the horizontal coordinate data.

Global Positioning System, or GPS - Circle the GPS method used to collect the locational data.

Static Mode: Autonomous (without correction) reading taken while remaining stationary. The averaging session is set to default of GPS unit and very little correction of error occurs.

Dynamic Mode (Kinematic): Autonomous reading taken while moving. Readings are usually taken while walking a line or an area perimeter. Averaging session is set to default of GPS unit and have very little correction of errors.

Differential Post Processing: Readings are taken and stored by GPS unit to be corrected at a later time (e.g., March II GPS unit collects data. Data is uploaded later and post-processed via PCGPS software).

Precise Positioning Service: Highly accurate military positioning service. Primarily made available to the military and U.S. Federal government users with limited use by civil users.

Signal Averaging: GPS unit is configured to collect data for a specified amount of time. This data is “averaged” allowing some types of data errors to be reduced.

Real Time Differential Processing: A technique for reducing the error in GPS-derived positions by using additional data from a reference GPS receiver at a known position. The most common forms of real time differential processing involves connecting a beacon receiver antennae to the GPS unit. The GPS unit collects pseudorange corrections, in real time, and applies the corrections in the process of determining its position.

Source Scale Used to Determine the Coordinates - If the coordinates were determined through interpolation, circle or enter the source scale of the map or image used.

Interpolation - Circle the type of map or image used to determine the coordinates through the interpolation process. Examples include topographic map or digital raster graph, or DRG, digital orthophoto quarter quadrangle, or DOQQ, etc.

5. Horizontal Accuracy Estimate - The estimated accuracy of the coordinates. If data are collected using a GPS unit, enter one of the following:

FOM - Figure of Merit, typically given by Garmin GPS units.

EPE - Horizontal Estimate of Position Error.

PDOP - Positional Dilution of Precision. Enter PDOP value displayed at the time the reading is taken. A value of 6 or less is required for most data collection efforts.

If data are collected using interpolation, enter the estimated accuracy of either in feet or meters.

6. Horizontal Reference Datum - All GPS coordinates are to be referenced to NAD 83. For interpolation, circle the appropriate datum for the interpolation source.

7. Manufacturer of GPS Receiver - Circle the manufacturer of the GPS receiver used, if applicable. If you are using a GPS receiver that is not listed, enter the manufacturer. Note: CMT refers to GPS units made by Corvallis Microtechnology.

7A. Model of GPS Receiver - Enter the model of the GPS receiver. For example, enter 12XL for a Garmin 12XL unit or March IIE for a CMT March IIE unit.

8. Coordinate Data Source - Circle the organization to which the data collector belongs. Were the locational data collected by a regional office staff member, a program staff member, EPA, etc.?

9. Data Collector and Date - Print the name of the data collector and the date on which data were collected in this section.

10. Reference Point - Circle the site feature where the locational data were collected (main office, tanks, impacted groundwater, etc.). If Descriptive Comments is chosen or if additional information is needed to describe the site, refer to #11, Location Comments, to describe the site where the data were collected.

11. Location Comments - Use this section to further describe features of a site where data were collected. Be sure to provide enough information so someone could return to the collection site.

If you have any questions, contact the appropriate department program.

For More Information

Air Pollution Control Program	573-751-4817
Environmental Services Program	573-526-3315
Hazardous Waste Program	573-751-3176
Land Reclamation Program	573-751-4041
Solid Waste Management Program	573-751-5401

Other Contacts

Soil and Water Conservation	573-751-4932
Water Protection Program	573-751-1300
Water Resources Center	573-751-2867 Jefferson City
	573-368-2175 Rolla