

GPS DATA SHEET

Please check the box next to the "Site #" *if this is a new site and please be sure to attach a map.* (PLEASE PRINT)

Site # _____ Stream _____ County _____

Site Location _____

Date _____ Time (military time) _____ Rainfall (inches in last 7 days) _____ Water Temp. (°C) _____

Trained Data Submitter (responsible volunteer) _____ Stream Team Number _____

Participants _____

GPS RECEIVER INFORMATION

1. GPS Make and Model: _____

2. Wide Angle Augmentation System (WAAS) Enabled: Yes

DATUM

3. Horizontal Datum: North American Datum (NAD) 1983

POSITION ERROR INFORMATION (less than 7 meters preferred)

*4. Estimated Position Error (EPE): _____ Meters (preferred) Feet

*5. Horizontal Accuracy: _____ Meters (preferred) Feet

*6. Point Dilution of Precision (PDOP): _____

(*see Position Error Information section on back for instructions)

COORDINATES - UNIVERSAL TRANSVERSE MERCATOR (UTM) OPTION (preferred option)

7. Easting: _____

8. Northing: _____

9. UTM Zone: Zone 15

COORDINATES - LATITUDE AND LONGITUDE OPTION

10. Latitude: _____ N

11. Longitude: _____ W

12. Format: Decimal Degrees (ddd.dddd°)

COMMENTS: _____

PLEASE KEEP A COPY AND SEND ORIGINAL DATA TO: Stream Team Coordinator
Water Protection Program
Department of Natural Resources
P.O. Box 176
Jefferson City, MO 65102-0176



GPS DATA SHEET INSTRUCTIONS

Please read the following descriptions before filling out this sheet. Please note that Universal Transverse Mercator (UTM) coordinate are the preferred coordinates, but Latitude/Longitude in Decimal Degrees (ddd.dddd°) may also be used. Due to the technical complexity of Global Positioning Systems and Geographic Information Systems, proper completion of these fields is necessary to establish an exact location. If these fields are not completed, the program cannot use your GPS data. **This sheet does not replace the map of your site.** If you have not already done so, you will still need to send a map.

GPS RECEIVER INFORMATION

- 1. GPS Make and Model.** Please provide the brand name of your GPS receiver (e.g., Garmin, Lowrance, Magellan, etc.) and the model if known (e.g., eTrex Vista, GlobalMap 100, Meridian Platinum, etc.)
- 2. Wide Angle Augmentation System (WAAS) Enabled.** WAAS is an additional set of satellites, only one of which is “visible” from most areas in Missouri. If your GPS receiver is WAAS capable and this function is being used, check “yes”.

DATUM

3. Horizontal Datum. Next to the coordinates themselves, this is the most **important** piece of information to collect. Your GPS receiver displays where you are based on this reference. Without the horizontal datum, it is impossible to accurately place the coordinates on a map. This information can usually be found quite easily in the menu system of your GPS receiver. You may need to consult the user manual that came with your GPS receiver.

POSITION ERROR INFORMATION

*** The make and model of GPS unit you are using will determine which position error information you will need to provide. Most units will only offer one of the following three options. Please provide the appropriate position error information from your unit, you may need to consult the user manual that came with your unit.**

- *4. Estimated Position Error.** If available on your receiver, please record and check the appropriate distance measurement.
- *5. Horizontal Accuracy.** If available on your receiver, please record and check the appropriate distance measurement.
- *6. Point Dilution of Precision.** If available please record.

COORDINATES

NOTE: You have the **OPTION** of using two coordinate systems, Universal Transverse Mercator **OR** Latitude/Longitude.

If using the Universal Transverse Mercator (UTM) option

7 & 8. Easting and Northing. Enter the coordinates in these fields **only** if using UTM option. While at your monitoring site, enter the UTM coordinates exactly as they are displayed on your GPS receiver.

9. UTM Zone. Check the box for the UTM Zone number that is displayed on your GPS receiver.

If using the latitude/longitude option

10 & 11. Latitude and Longitude. Enter the coordinated in these fields **only** if using Latitude/Longitude option. While at your monitoring site, enter the latitude and longitude coordinates displayed on your GPS receiver, copying the exact coordinates in the displayed format (see item 12 below).

12. Format. This information can usually be found quite easily in the menu system of your GPS receiver. You may need to consult the user manual that came with your GPS receiver.

COMMENTS

Comments. Please include any conditions that may hinder the ability of your GPS receiver to receive data (e.g., dense clouds, heavy tree coverage, structures, etc.). If there is additional information from your GPS receiver that may be helpful to us please include them in this field. Please include any other information that we may find helpful.