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Title: GPS Data Collection - Garmin
Number: SP 0003
Release Date: 03/03/00
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Version: 1.2

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TITLE: GPS Data Collection using Garmin

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Revision History

Version	Date	Revision Highlights
1.0	09-20-2002	Original version
1.1	03-08-2001	Revision of format
1.2	09-25-2002	Revision of format and changes in administrative personnel.



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METHOD #: SP 0003
TITLE: GPS Data Collection - Garmin
INSTRUMENTATION: Garmin GPS 12

1. Scope and Application

- 1.1 The following procedures describe the collection of longitudinal and latitudinal field data.
- 1.2 These procedures are not intended for tracking and marking a directional route.

2. Summary of Method

- 2.1 Turn GPS unit on.
- 2.2 Following the self-test, change satellite page to position page.
- 2.3 Press Mark button to record longitude, latitude, time, day and date.
- 2.4 Press Done.
- 2.5 Turn unit off.

3. Comments

- 3.1 The GPS 12 unit will automatically assign a numerical identification to marked locations.
- 3.2 Readings are stored in the “waypoint” memory under the heading of waypoint.
- 3.3 The unit contains an internal lithium battery that will maintain all information after the unit is turned off.
- 3.4 Information is also retained if batteries are removed or replaced.

4. Apparatus

- 4.1 Garmin GPS 12 handheld unit laboratory

5. Procedure

- 5.1 Turn the unit on by pressing the red light bulb button on the face of the receiver.
- 5.2 The welcome page appears while the unit conducts a self-test.
- 5.3 Wait for the self-testing to complete and the satellite page to appear.
- 5.4 Change to the position page. (Position can only be taken from this page)
- 5.5 To take position reading (also known as waypoint readings), press the Mark button.
- 5.6 Longitude, latitude, time, day and date will be recorded.
- 5.7 After the position is marked, the cursor automatically moves to highlight the Done? Command.
- 5.8 Press Done to store reading in memory.
- 5.9 Turn GPS unit off by pressing and holding down the red light bulb button for three seconds.



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6. Bibliography

- 6.1** Garmin GPS 12 Operators Manual.