

MLEP Introduction to GPS

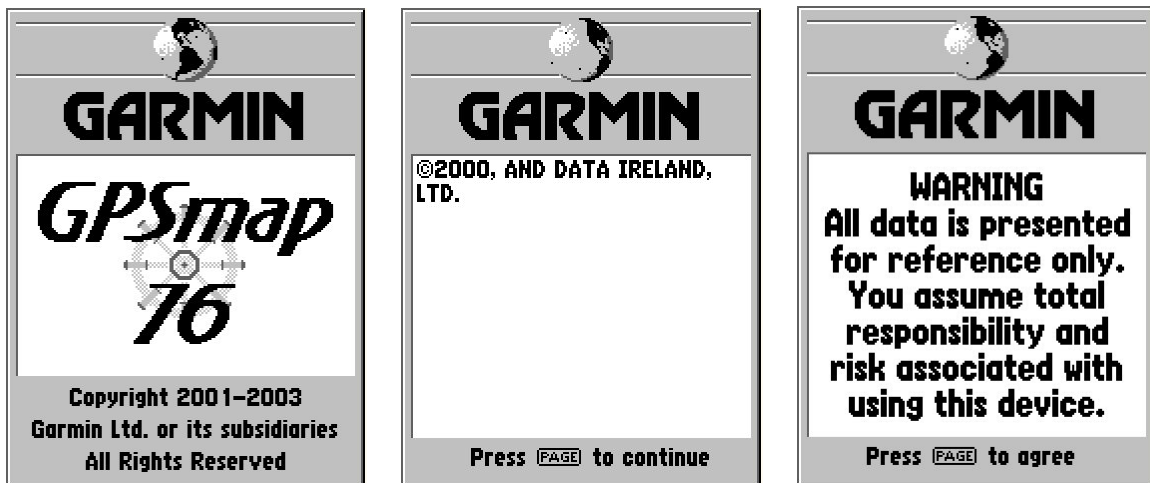
Field Exercise One

Exercise requires pencil/pen to answer questions

Initialization and Familiarization: Become familiar with turning on the unit, the GPS satellite screen and navigation screen displays.

Procedure: Part one ~ unit startup and familiarization.

1. The Garmin 76Map does not normally require you to do anything when it initializes. When you power on the unit, it shows you a copyright splash screen for 5 seconds and then goes to the version screen for 5 seconds.



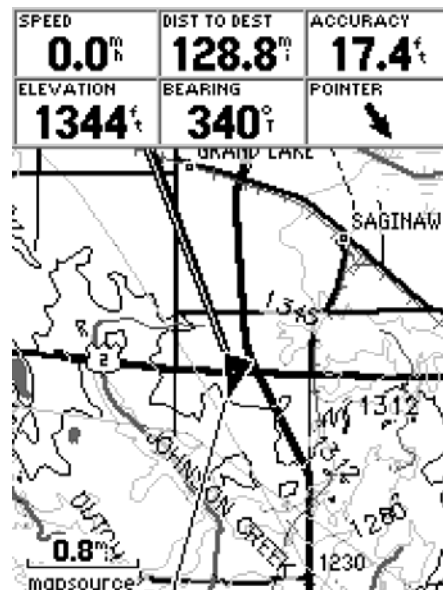
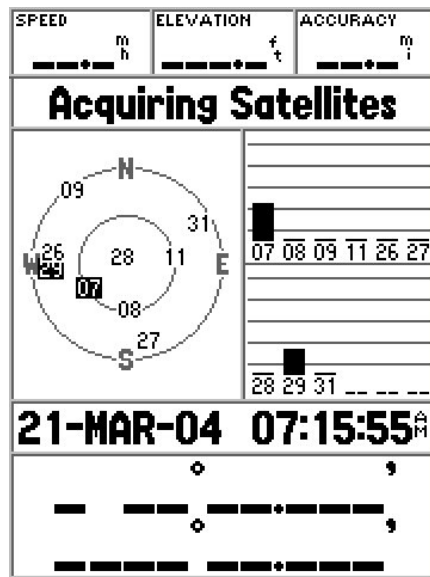
2. It finally shows you a warning screen for 20 seconds before jumping to the "Satellite" screen and starts to look for GPS signals.
3. You can press the <ENTER> key to move to the "Satellite" screen immediately.

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4. *Once the unit has an adequate position fix it automatically jumps to the “Map View” screen and displays the map centered on your location.*



5. *At the “Map View” screen, watch the “Accuracy”. When it goes below 15 feet, you are ready to proceed.*

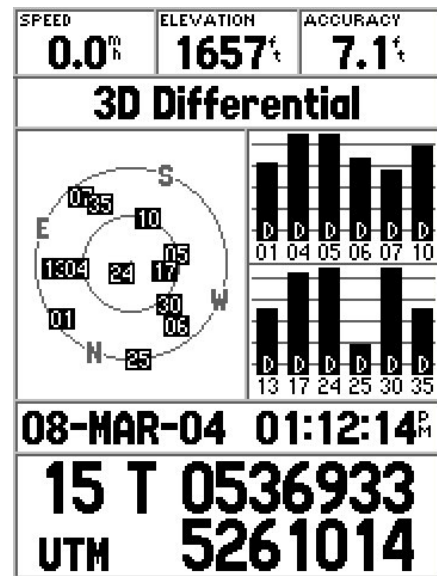
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Procedure: Part two ~ getting comfortable with the satellite screen information.

1. Press the <QUIT> key to redisplay the "Satellite" screen.
2. What satellite number is most closely overhead in the "Sky Plot" on your receiver?



3. What is the "Accuracy" indicated on your receiver? _____
4. What does the "D" in the satellite strength bars mean?

5. Note how many satellites are being received by your GPS receiver. Does this information change as you walk around?

6. Determine and note the elevation. _____
7. Start to walk around. Notice how your speed varies.

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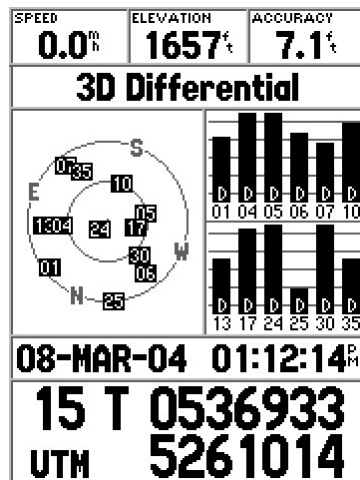
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Procedure: Part three ~ other available screens.

1. Now, press the <PAGE> key or the <QUIT> key to cycle forward or backward through the available screens. Note the information available on each screen.

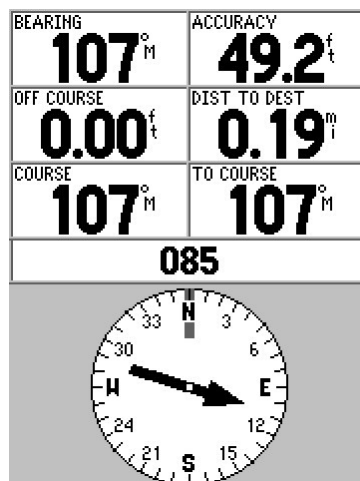
Satellite screen



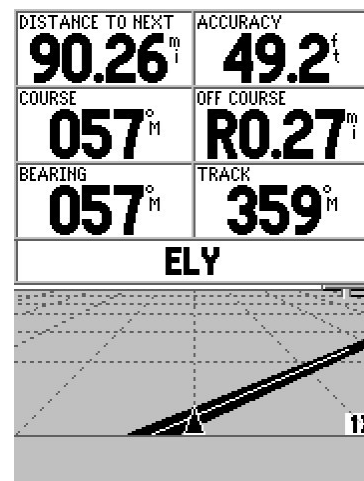
Map view screen



Compass screen



Highway screen



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2. *Although routes are not a part of the class today, you will note that there is also an “Active Route” screen.*

| Active Route | |
|--------------|--------------------|
| MLEP | |
| Waypoint | Distance |
| ► ELY | 90.3 ^m |
| COOK | 129 ^m |
| VIRGINIA | 155 ^m |
| PIKELAKE | 201 ^m |
| PNR1 | 317 ^m |
| ----- | ----- ^m |
| Total | 317 ^m |

3. *You will learn about routes in an intermediate or advanced GPS class.*