



URL: <http://terraserver.microsoft.com/>

TERRASERVER/ GPS Activity

Make sure you are in TERRASERVER WEBSITE

Make sure you have the activity sheet & Instructions.

Make sure you have PowerPoint opened and saved as (your first name-terraserver)

PART 1: Finding Places using Aerial Mapping

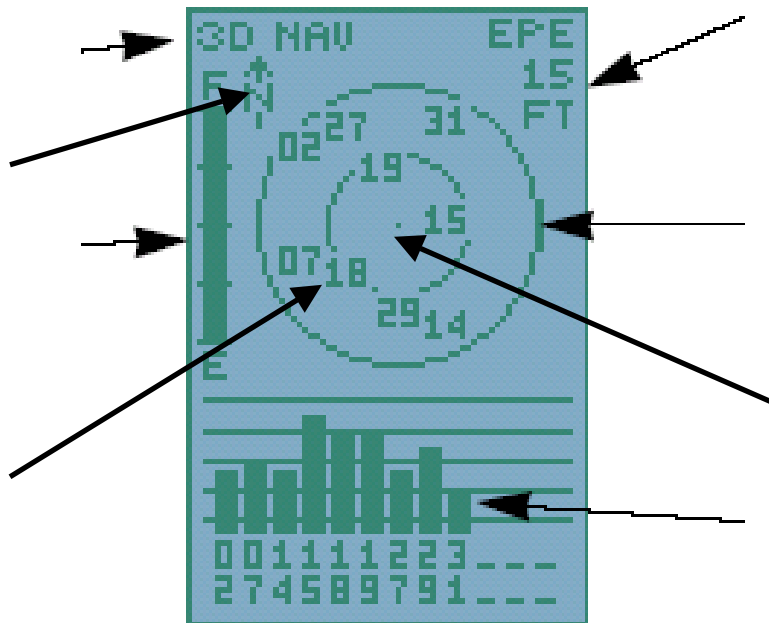
- Go to **Advance Find**> **Address** (Use terraserver's webpage)
- Search for your:
 - House (HOME) (Street, State and Zip code)
 - School/ Center (Herbert Hoover Boys and Girls Club, 2901 N. Grand, MO, 63107)
 - College/School UM St. Louis (University of Missouri St Louis, 8001 Natural Bridge Road, MO, 63121)
 - Landmark of your choice (You'll have to find the address in the web)
- Use **Aerial Map** option, and appropriate resolution option (1m-2m or other) to be able to see the place clear enough.
- **Copy** each image to a PowerPoint slide. Add the name and address of the place to the slide and outline where the place is in your Aerial map. (See PowerPoint for an example) If you can by clicking on the option INFO in the terraserver site you will get the image with the coordinates (Latitude and Longitude get this for your school/ center)
- Your PowerPoint should have 4 slides.

1. Why do you think having the date for the image is important?

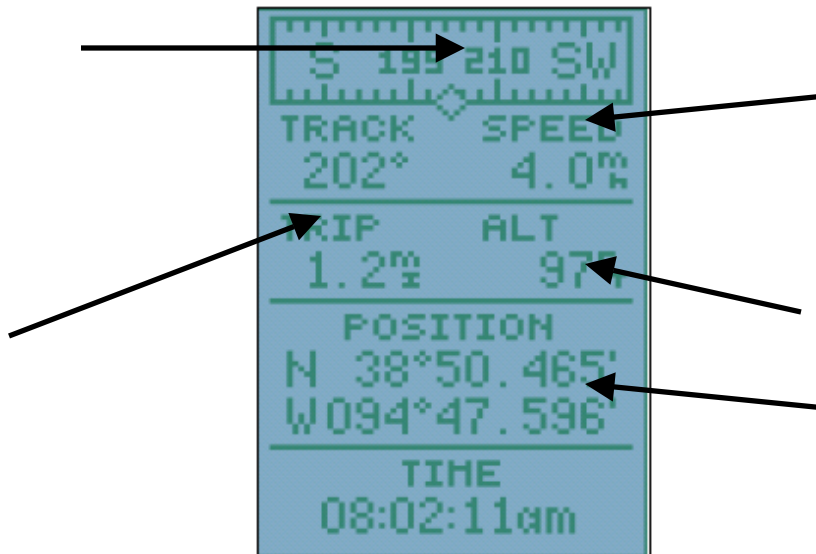
PART 2: Using a GPS Receiver- Garmin GPS12

- Turn your GPS receiver ON by pressing the light bulb button.
- Now you will learn about some of the screen that the GPS- receiver will show you.
- The first screen that appears is your SATELLITE Screen. Complete the diagram below by adding the names of what you think each icon in the image mean or represent.
- Do the same with the following three screens. Toggle back and forth using PAGE and QUIT buttons from the GPS unit. (Use PAGE and QUIT buttons only)

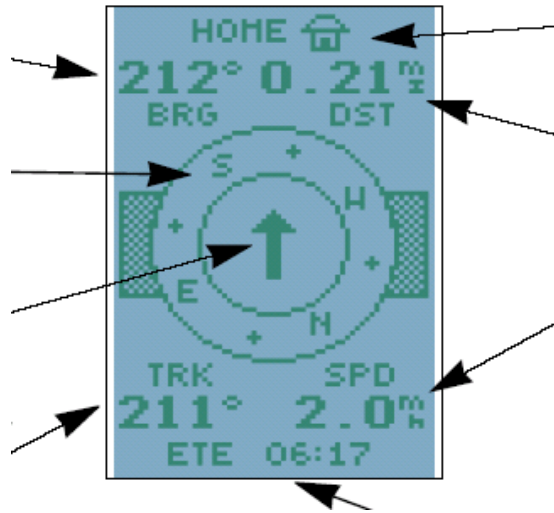
Satellite View



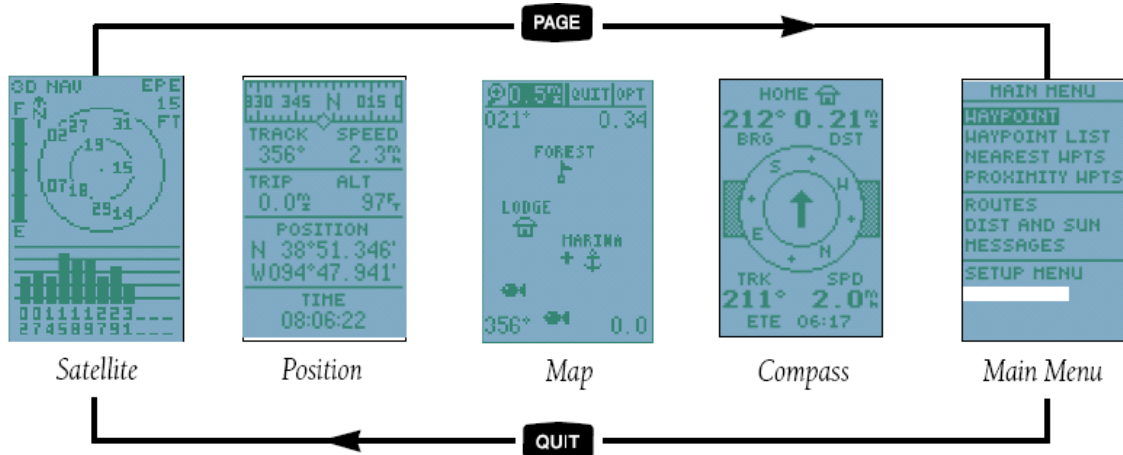
Position View



Compass View



SUMMARY OF THE VIEWS OFFERED BY THE GPS UNIT



-
- Take a reading of the position of HHBGC with the GPS Unit.
 - Is the latitude and longitude correct compared to the Aerial Map found in terraserver? (Use a GPS- [Global Positioning System](#))

INFO.	GPS Unit Reading	Terraserver Reading
LAT		
LONG		

4. What factors do you think will affect the accuracy of your GPS receiver?

5. How do you think GPS technology could be useful?

a.

b.

c.

d.

e.

