**Handheld GPS activity**

For this activity, we will be using the Garmin eTrex 10

Collaborate with another student or students

Obtain an eTrex, quick start guide sheet, and two AA batteries

Place the batteries into the eTrex (turn “D” ring counter-clockwise to unlock, carefully observing proper polarity)

Power the unit on (button on mid right hand side)

Select English for language (press toggle switch on upper right front to select)

Scroll to select satellite

Go outside with your partner, find a favorable position and while holding the unit stationary, record the following:

1 - Note and record the satellite **numbers** as they appear on the screen:

Total Satellites Acquired:

2. - At this point, record your location: N \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ W \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Elevation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ft. Position accuracy: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ ft.

3. - Select System Set-up, and then select GPS + GLONASS

At this point, record your location: N \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ W \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Elevation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ft. Position accuracy: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ ft.

4. - Select System Set-up, and then select GPS + GLONASS + WAAS

At this point, record your location: N \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ W \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Elevation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ft. Position accuracy: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ ft.

Place your eTrex at the bottom of the retaining wall and note any display changes.

Come back to the classroom and report your results to the class.