

## Instructions

### Search Checklist

- Battery level (and extra batteries)
- Units correctly set
  - Go to screen with “setup” on it, press enter...
  - In “setup” go to “units”
  - In “units select the following:
    - Position format is “UTM UPS”
    - Map Datum is “NAD 83”
- Clear track log
  - Go to screen with “Tracks”
  - In “Tracks” select “Clear”
- Satellite reception
  - Can be seen on “Satellite” page or by the +/- value
- You will turn in the GPS to command at the end of a tasking

### Entering a waypoint

- Write it in your notebook
- Go to the map page on GPS
- Push and hold the “Enter” button (Some GPS units may have a “mark” button)
- Now use the trackpad to select different fields to enter data, remember the “OK”.
- Go to bottom of page and select “OK”
- The waypoint can be found by going to Waypoints or the Find button.

### Setting the GPS to guide user to a waypoint

- Go to waypoints
- Select the waypoint
- Select “go to” way point (on options choose off road off road)

## Session Details

### 1. Search Checklist

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### 2. Entering a waypoint

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### 3. Working with UTM's, topo maps and search maps

Remember the UTM will be listed as a set of coordinates the first for Easting and the second for Northing such as 20 T 0410374 4982010 or

20 T 410374 4982010 (without the first 0), 0410374 4982010.

On the map the six figure grid reference would be the bold numbers in the UTM numbers below

20 T 04**103**74 49**820**10 or as the six figure reference of 103 820.

The first two digits indicate the grid, the third is the 100m place,

#### Activity 1 NS Topo Maps

- Find a point on the map

##### Instructor

21 H Wolfville Starrs Point \_\_\_\_\_ Kentville Oval \_\_\_\_\_

Advanced 21 H Wolfville Aberdeen Beach \_\_\_\_\_ Blue Beach \_\_\_\_\_

11 e Kennetcook building at airport \_\_\_\_\_ Mosherville \_\_\_\_\_

Advanced calculate the full UTM on your own.

- Calculate the six figure grid reference for each
- Turn it into UTM coordinates for each. Remember from a topo the last two digits will be 00.

#### Activity 2 NS Topo Maps

- Record the UTM coordinates for a spot on the map

##### Instructor

21 H Wolfville 20 T 0385600 4991400 \_\_\_\_\_ 20 T 0389800 4986700 \_\_\_\_\_

11 E Kennetcook 20 T 0432800 4985900 \_\_\_\_\_ 20 T 0429700 0389200 \_\_\_\_\_

- Calculate the six figure grid reference from the UTM
- Find the location on the map using the 6 figure grid reference

#### 4. Outdoors with GPS (may be done individually or in pairs and as time permits)

- Setting the GPS to guide user to a waypoint.
  - Go to waypoints in training area

#### Instructor

**1 spruce** 20 T 0409412 4988127      **77** 20 T 0409389 4988116      **2 birch** 20 T 0409408 4988082

- Select the waypoint
- Select “go to” way point (on options choose off road off road)
- Watch your GPS as you walk in to the point, you will notice that a track is being laid and you can follow the track back out.
- Set a point and find it
  - Go to the map screen on the GPS
  - Walk 20 to 40m into the woods.
  - Stop for a moment.
  - Press enter and wait for the waypoint screen to appear
  - Name your new waypoint and then save it by pressing ok at the bottom of the screen
  - Leave a piece of flagging tape tied to a low object and visible from 2 to 3 meters away
- Give the UTM coordinates to another person or exchange GPS units
  - Find the Waypoint you want to go to
  - Select “go to” waypoint
  - Go to the waypoint
  - Bring back the flagging tape
- Additional activities as time permits
- Questions