**Using a GPS to Collect Data on Vegetation Cover**

**Protocol**

1. Make sure you have:

* GPS, Batteries, and Pink Tape
  + Tie at least 2 feet of pink tape to the GPS
* Range Finder
* Compass
* Copies of the data sheets provided

2. Travel to the desired location and turn on the GPS. Make sure the GPS sees at least 3 satellites.

3. Select one person to act as scribe and one to handle the GPS. Rotate roles on each feature.

4. Go to the benchmark and record a way point. Enter the number of the waypoint, easting, and northing, into the form.

5. Go to each of the other light poles and record a way point, easting, and northing. Return to the benchmark between recording each location and take another waypoint.

6. Record the position of at least 3 other features with the GPS.

7. For using the range finder and compass, have each person use a different piece of equipment and then rotate the roles.

7. Return to your light pole and shoot the location of the other light poles and record the angle and distance to the light poles. Go to each light pole and record the angle and distance back to your original light pole.

8. Take a final waypoint at your benchmark.

**Data Sheet**

1. Date:

2. Data Collectors:

3. GPS Type:

4. Range Finder Type:

5. Compass Type:

6. Data:

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| **Target** | **Easting** | **Northing** |  | **Notes** |
| Benchmark |  |  |  |  |
| Light Pole 1 |  |  |  |  |
| Benchmark |  |  |  |  |
| Light Pole 2 |  |  |  |  |
| Benchmark |  |  |  |  |
| Light Pole 3 |  |  |  |  |
| Benchmark |  |  |  |  |
| Light Pole 4 |  |  |  |  |
| Benchmark |  |  |  |  |
|  |  |  |  |  |
| **Target** | **From** | **Angle** | **Distance** |  |
| Light Pole 1 | Benchmark |  |  |  |
| Benchmark | Light Pole 1 |  |  |  |
| Light Pole 2 | Benchmark |  |  |  |
| Benchmark | Light Pole 2 |  |  |  |
| Light Pole 3 | Benchmark |  |  |  |
| Benchmark | Light Pole 3 |  |  |  |
| Light Pole 4 | Benchmark |  |  |  |
| Benchmark | Light Pole 4 |  |  |  |
|  |  |  |  |  |
| **Target** | **Easting** | **Northing** |  | **Notes** |
| Benchmark |  |  |  |  |
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7. Notes: