



Introduction to Navigation training

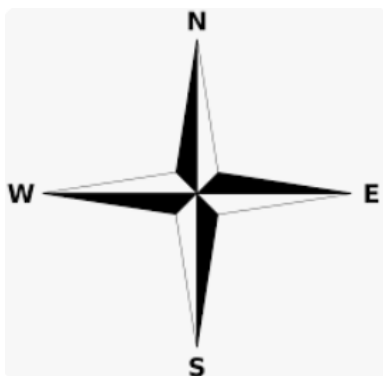
Pre-course activities

Welcome!

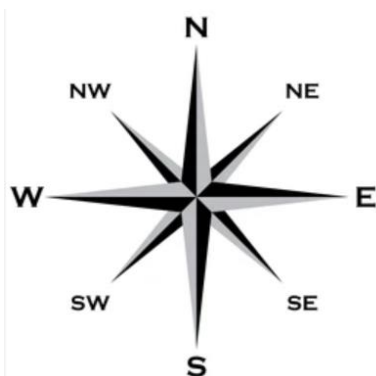
Thank you for signing up to Introduction to Navigation! This is only a very short introductory course so we want to ensure everyone gets the most out of it by trying to have everyone starting from the same level on the day. To do this, we have put together the below very basic pre course activities for you to undertake before you attend on the day.

We're really looking forward to seeing you soon!

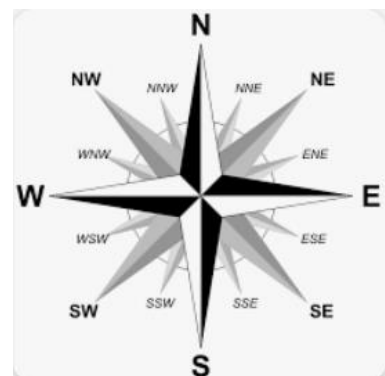
Familiarise yourself with Cardinal points



North, South are the primary directions.
East, West are secondary.



Halfway between North and East is read from the primary direction. North East (NE).
Halfway between West and South is South West (SW)

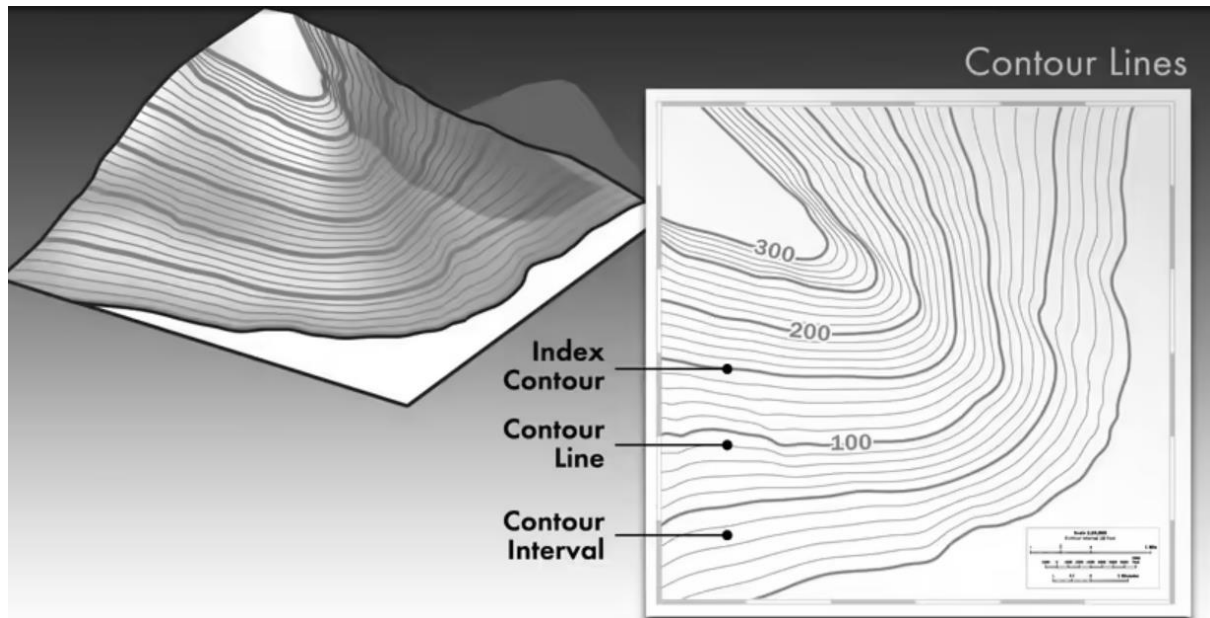


If the direction is slightly off from NE, NW, SW or SE, you indicate the way it needs to be adjusted. E.g. East of SE is ESE. South of SE is SSE

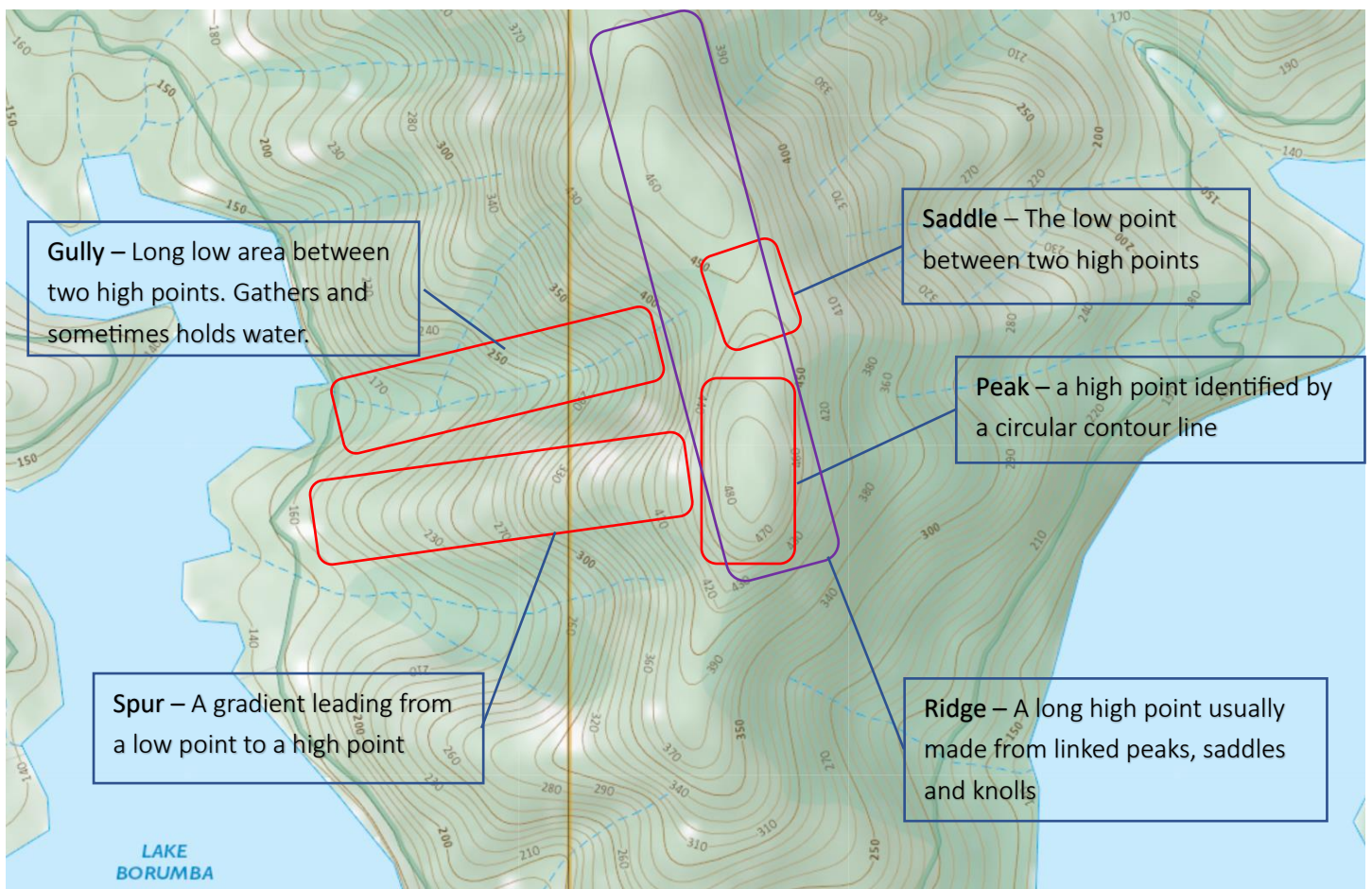
Contour maps

For navigation, we use contour maps. The most distinguishing feature of which, are contour lines which link together areas of the same altitude. The altitude difference between each contour line varies from map to map and will be described on each map. Every 5th contour line is an 'index line' and is thicker than the rest, it usually also has its altitude written on it. This helps you identify significant features of the terrain.

We will go through how to read and use these in class.



<https://adventure.howstuffworks.com/outdoor-activities/hiking/how-to-read-a-topographic-map2.htm>



North without a compass and navigation equipment positives and negatives

If you don't have a compass, there are a few ways to find North, check out the below.

Phone

Your phone often has a built in compass app. These vary in accuracy and usefulness but sometimes are surprisingly reliable. Have a dig around in your phone to see if you have a compass already on the phone.

There are also apps like 'Gaia' that act as a GPS and track monitor. These are often extremely user friendly and relatively accurate.

Great as long as the battery lasts.

GPS

There are countless pieces of GPS equipment on the market. All are different with different features so you will need to research them all and decide what's most appropriate for you. However in our experience, the best and most reliable is Garmin.

Great as long as the battery lasts.

Southern Cross

<https://youtu.be/-qZaiE9n-Z8>

Analogue watch

<https://www.wikihow.com/Use-an-Analog-Watch-as-a-Compass>

Parts of a compass

It doesn't matter right now if you don't know what the parts do, if you can try to remember just the names of the parts, that will get you a long way.

