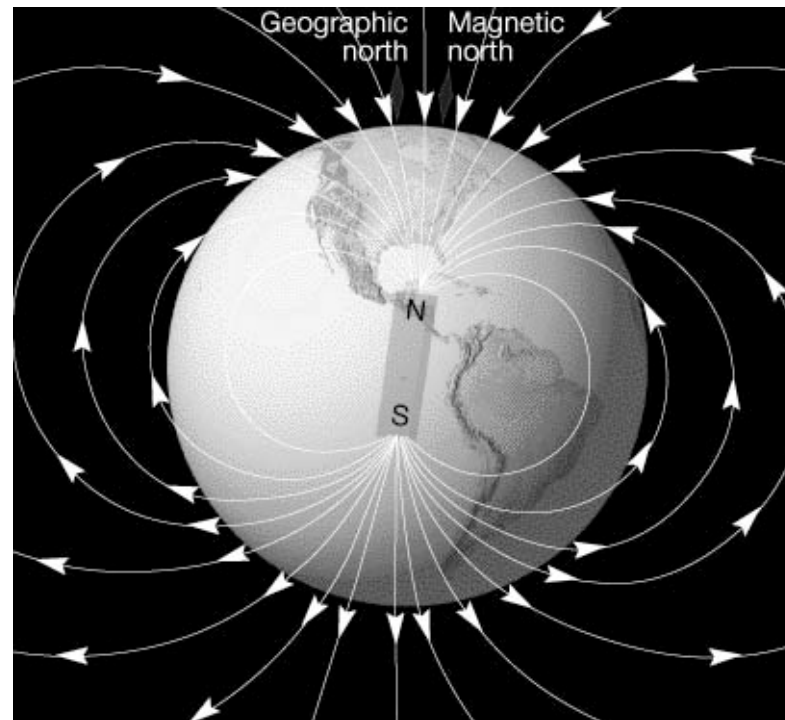


Basic Map Reading



Declination Diagram

Definition of a Map

(review)

A map is a graphic representation of a portion of the earth's surface drawn to scale, as seen from above; it uses colors, symbols and labels to represent features found on the ground.

Declination Diagram

True North: Direction to the north pole of the axis of earth rotation - the north pole

Magnet North: Based on Earth's geomagnetic field

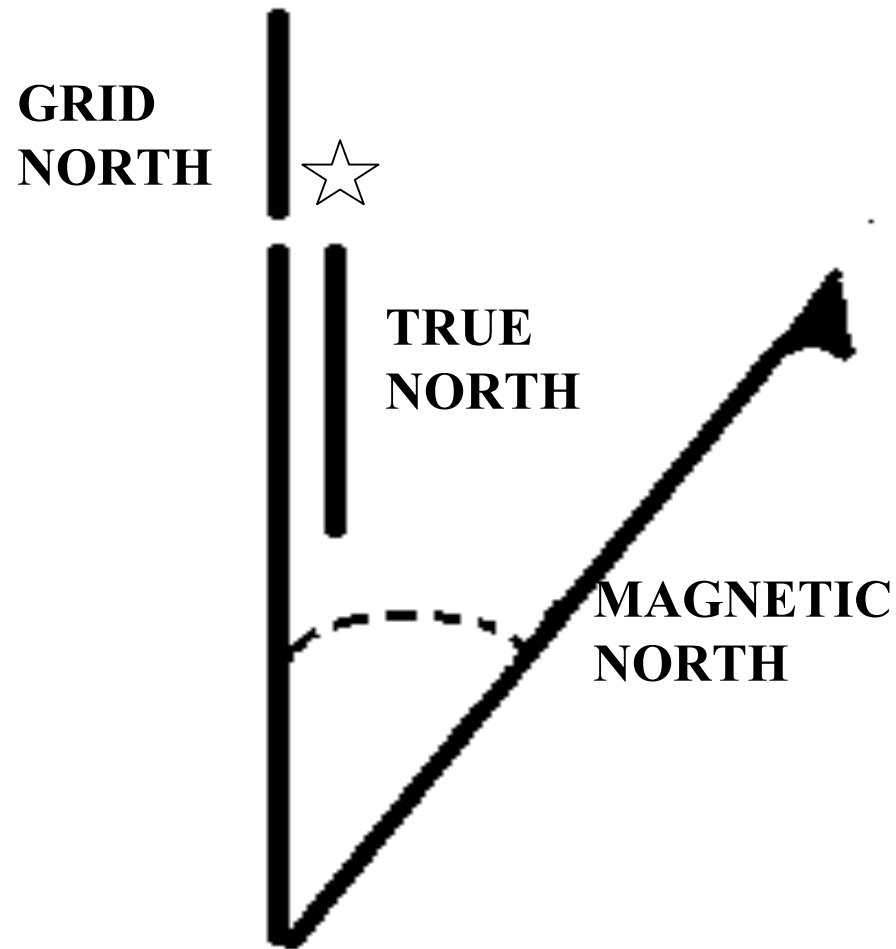
Grid North: The vertical lines on the map

Declination Diagram

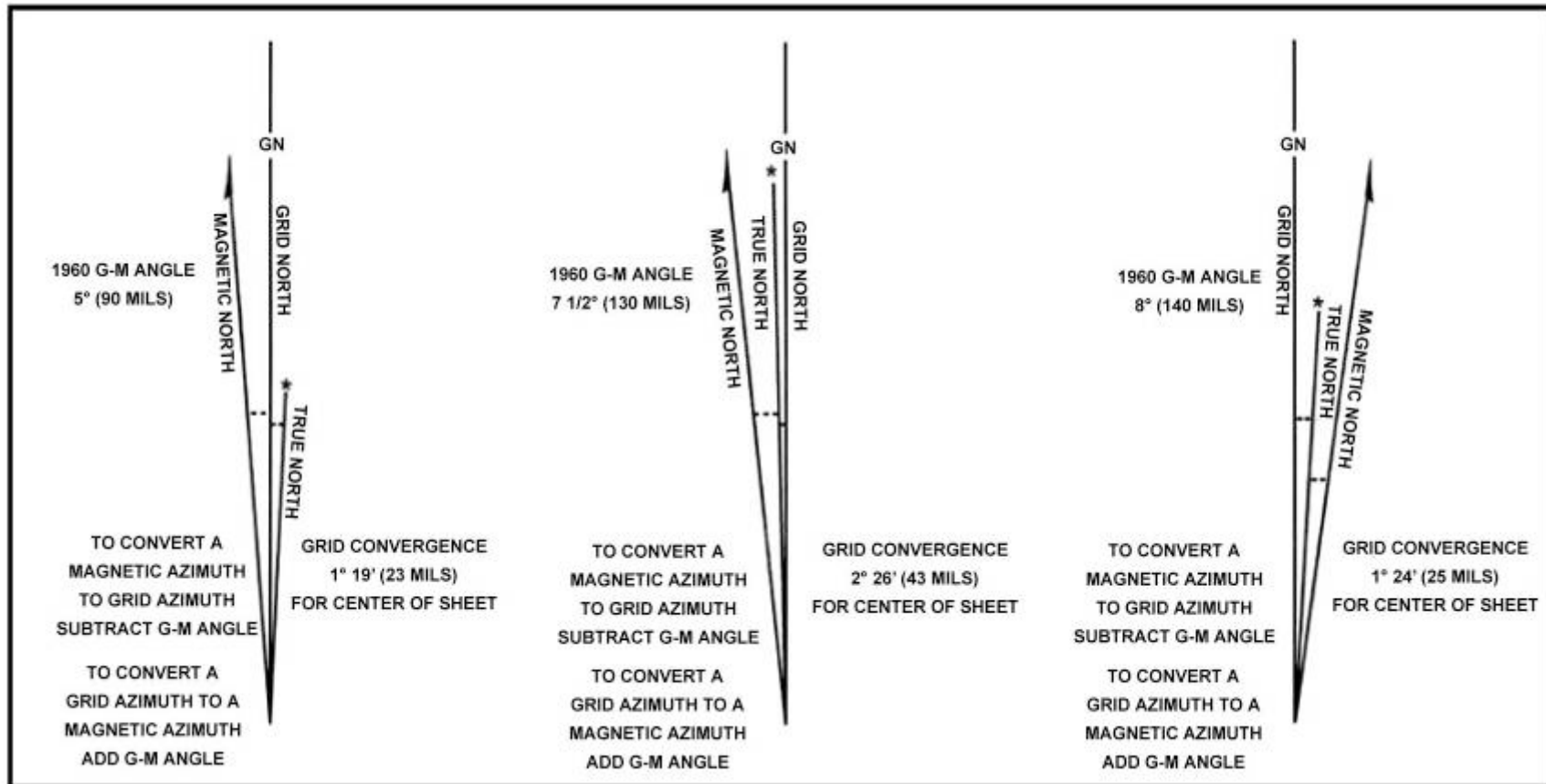
Declination Diagram shows the relationship between the three norths

Magnetic and Grid North are used to determine GM (Grid-Magnetic) Angle

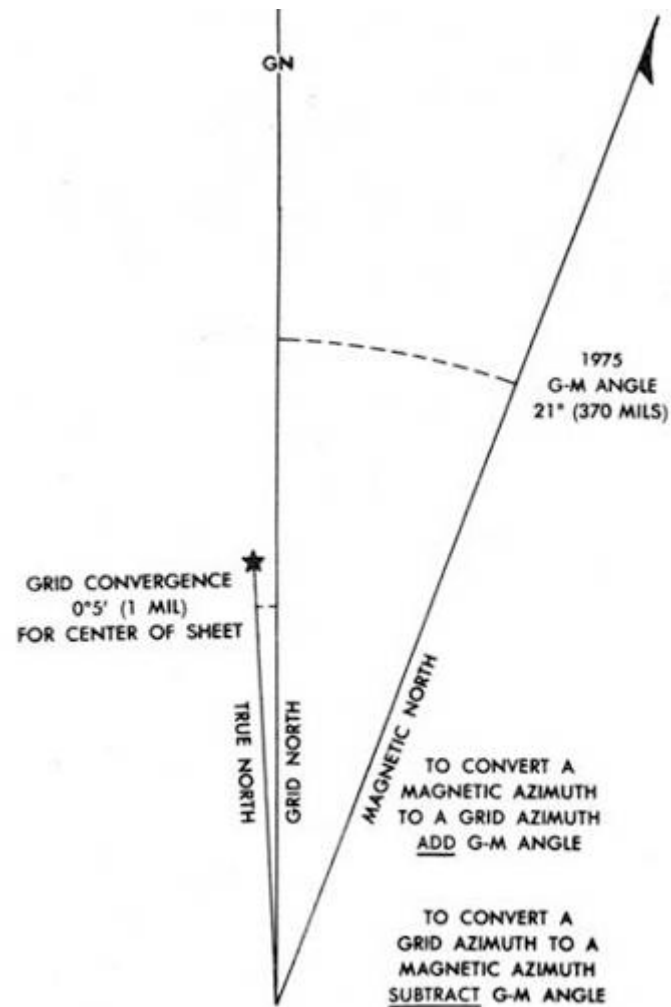
Declination Diagram



Declination Diagram



Declination Diagram



Declination Diagram

Convert a grid azimuth to a magnetic azimuth when the G-M angle is greater than a grid azimuth.

