

What is Surveying?

Surveying is the process of analyzing and recording the characteristics of a land area span to help design a plan or map for construction.

Ancient history-



Ancient Egypt



Nile River



Rope stretcher

A rope stretcher would use simple geometry to re-establish boundaries after the annual floods of the Nile River.

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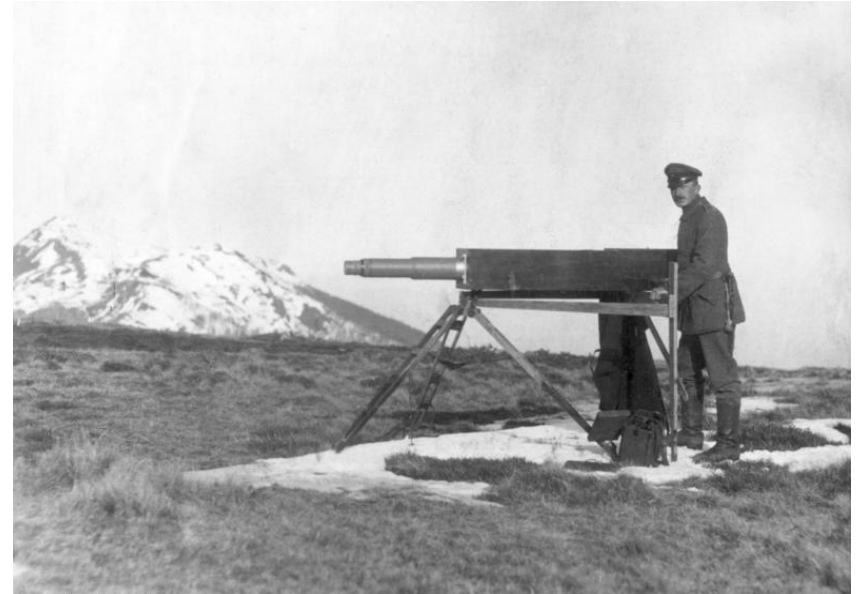


A map showing the Great Trigonometrical Survey, produced in 1870

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**A railroad surveying party at
Russel's Tank, Arizona in the 1860s**



**A German engineer surveying
during the First World War, 1918**

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Optical Theodolite



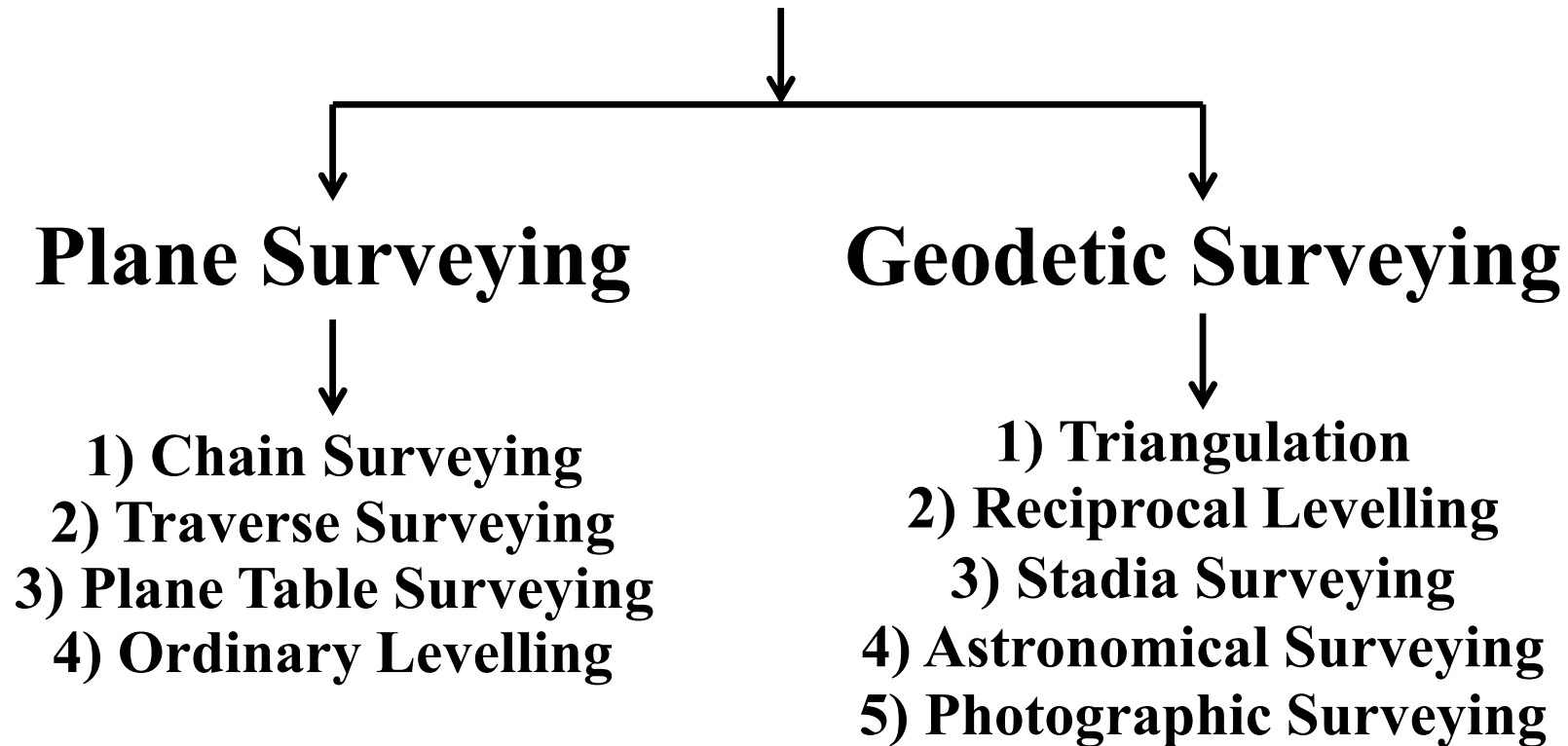
RTK GPS Base Station



Geo Compass

Use equipment like total stations, robotic total stations, GPS receivers, retroreflectors, 3D scanners, radios, handheld tablets, digital levels, subsurface locators, drones, GIS and surveying software.

Surveying



Thank You