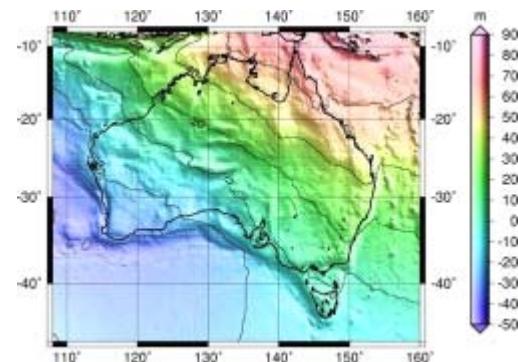
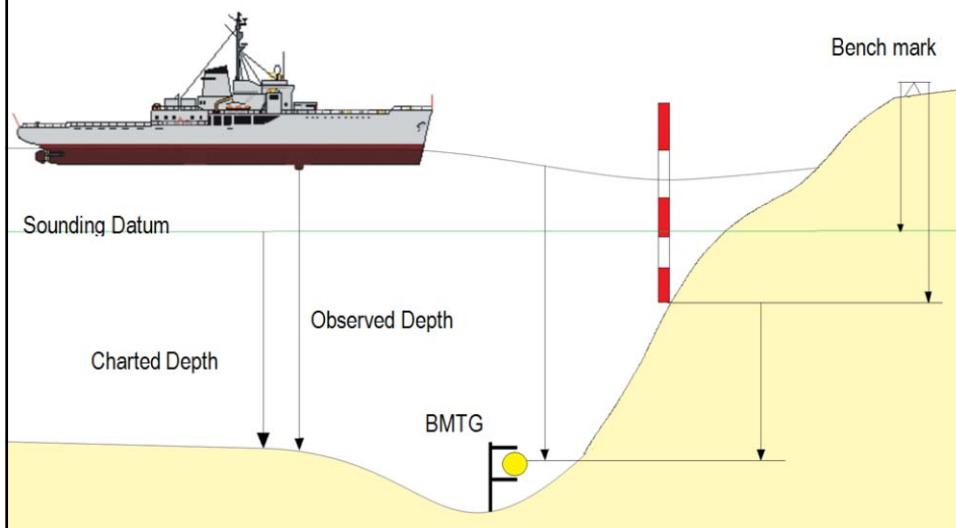


# Hydrographic Surveying Using the Ellipsoid as the Vertical Reference Surface



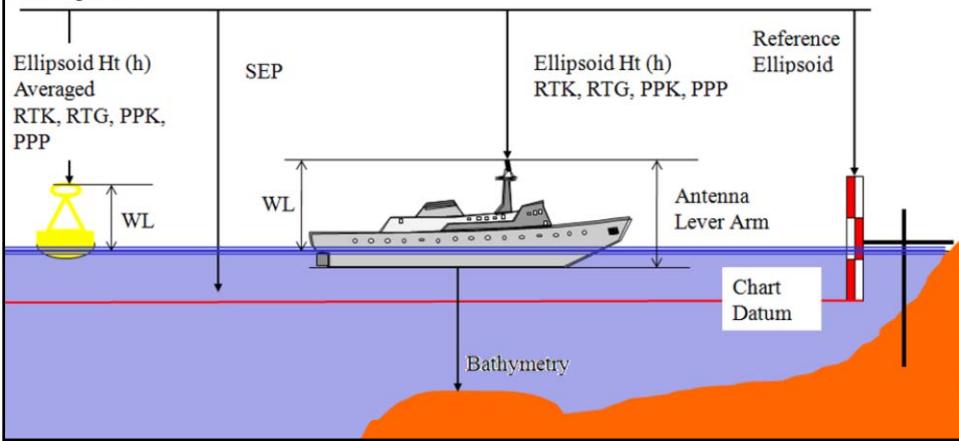
Dave Dodd, Jerry Mills, Dean Battilana & Mike Gourley

## Traditional Hydrography



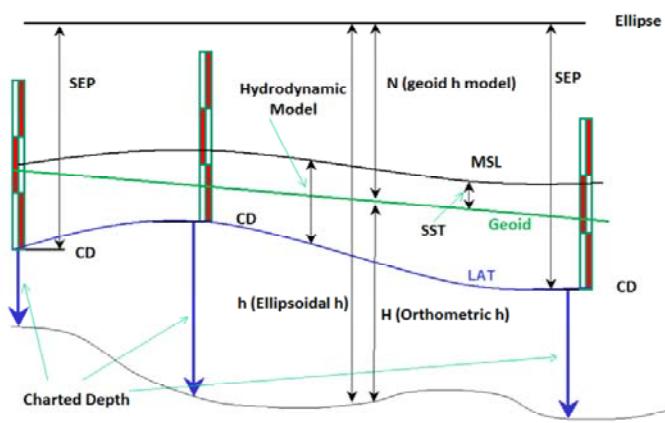
## Surveying to the Ellipsoid

GPS Tide Gauge Buoy Datum Development



## Difficulties with Wide Area Application

Vertical Datums



## Has anyone else solved the problem?

