

Navigation

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Navigation

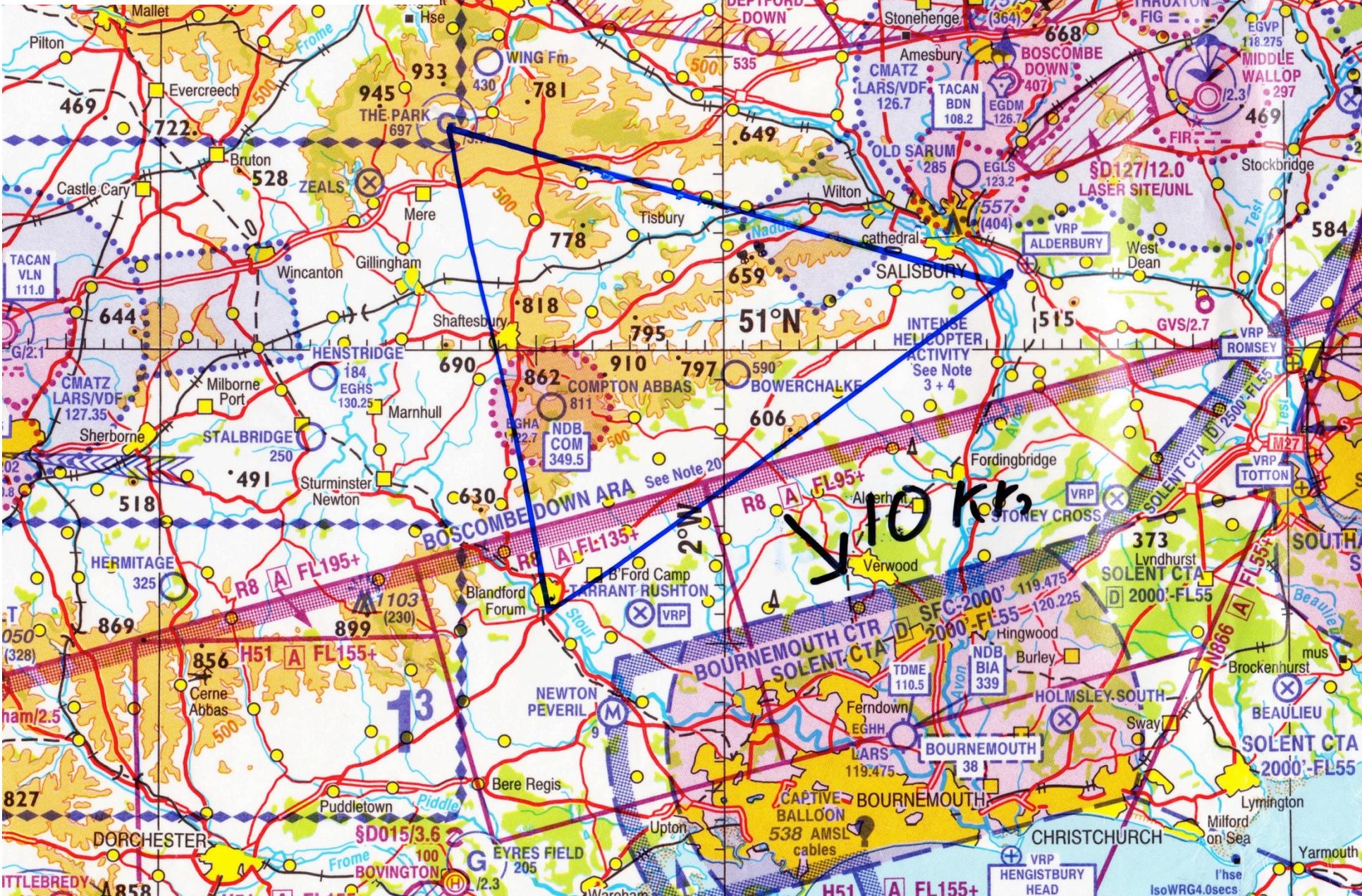


Navigation

Flying a 100K triangle PRK-SAS-BLD-PRK

- Planning the flight
- Flying the task
- Map features - good and bad
- What to do if uncertain of position
- GPS

PRK-SAS-BLD-PRK 101K



Planning flight

- Mark up route on the map
- Study route and expected features on route
- Check airspace
- Fold and tape up the map to show required task area
- Mark wind direction and strength
- Write in airfield frequencies enroute on a separate sheet
- Look for landable areas and gliding sites
- Work out headings for each leg

Flying the task

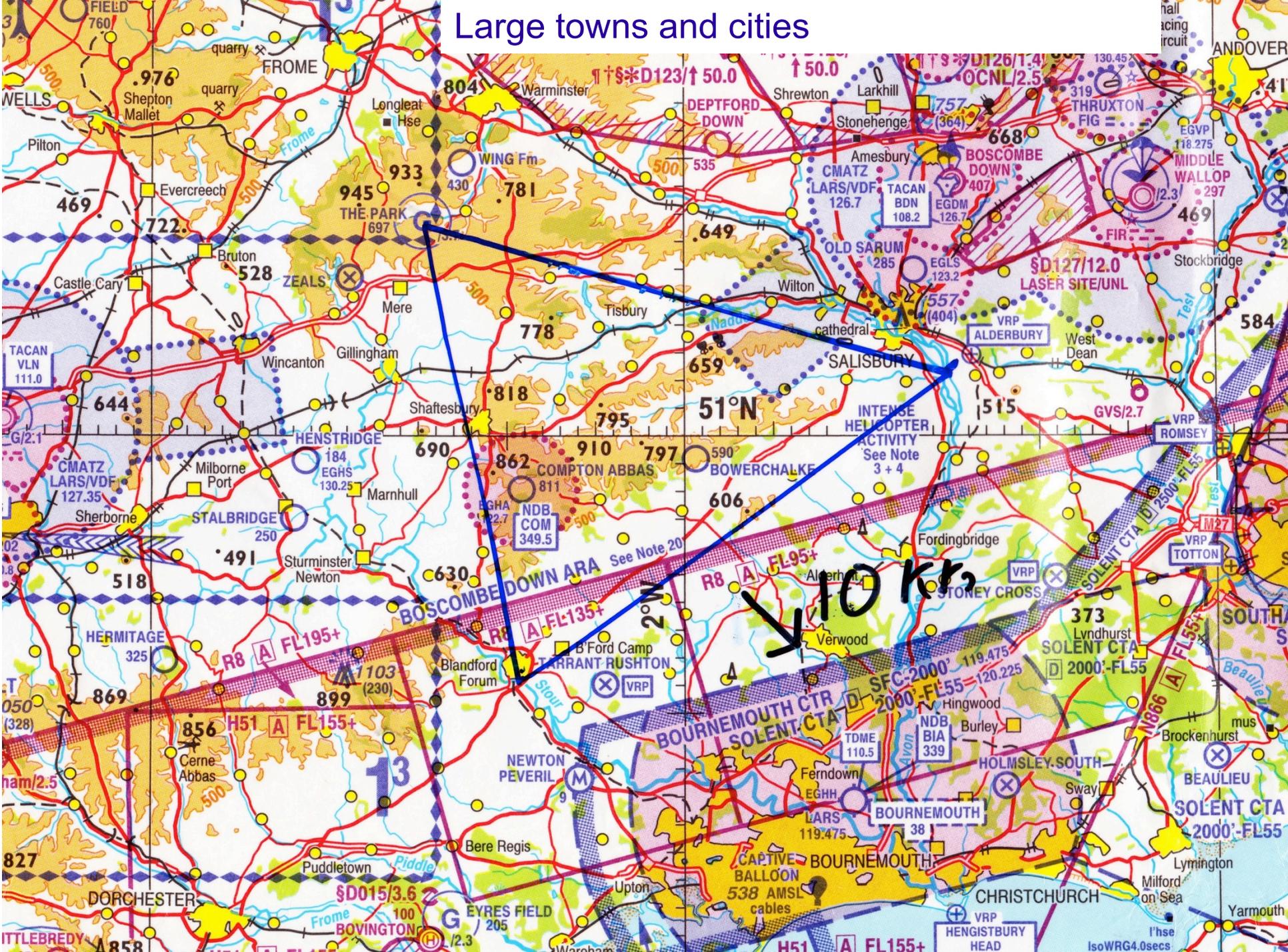
- Note time of departure
- Align map so that obvious features on the map can be identified on the ground
- Fly towards any good feature on track allowing for drift
- Mark up the time on the map at identified feature (pin point) on the map
- Don't worry about identifying every feature on the ground

Map features

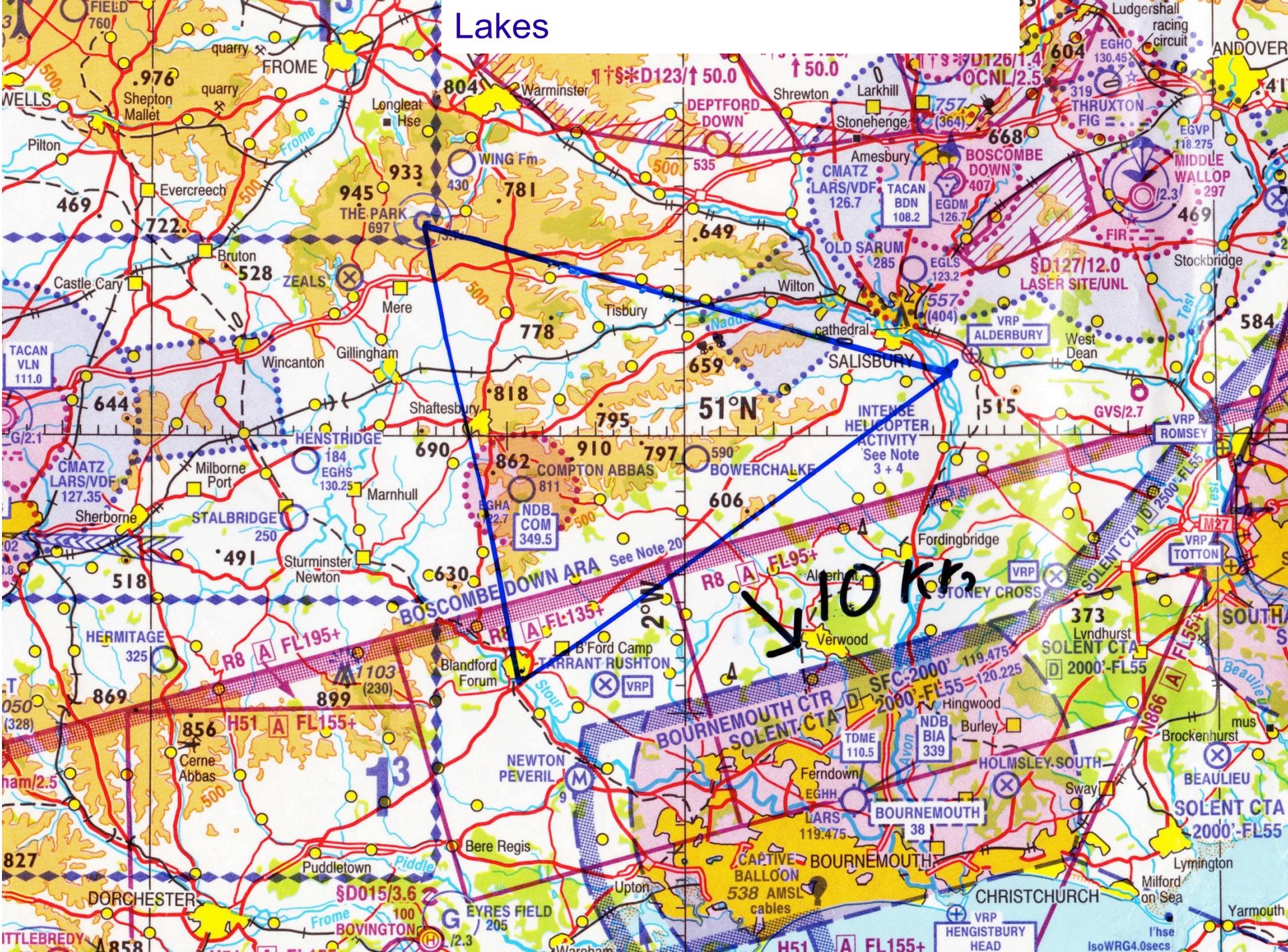
Good features

- Strong line features – Major roads/canals/rails
- Large towns and cities
- Lakes
- Coastline
- Large woods
- Rivers
- Major airfields

Large towns and cities



Lakes



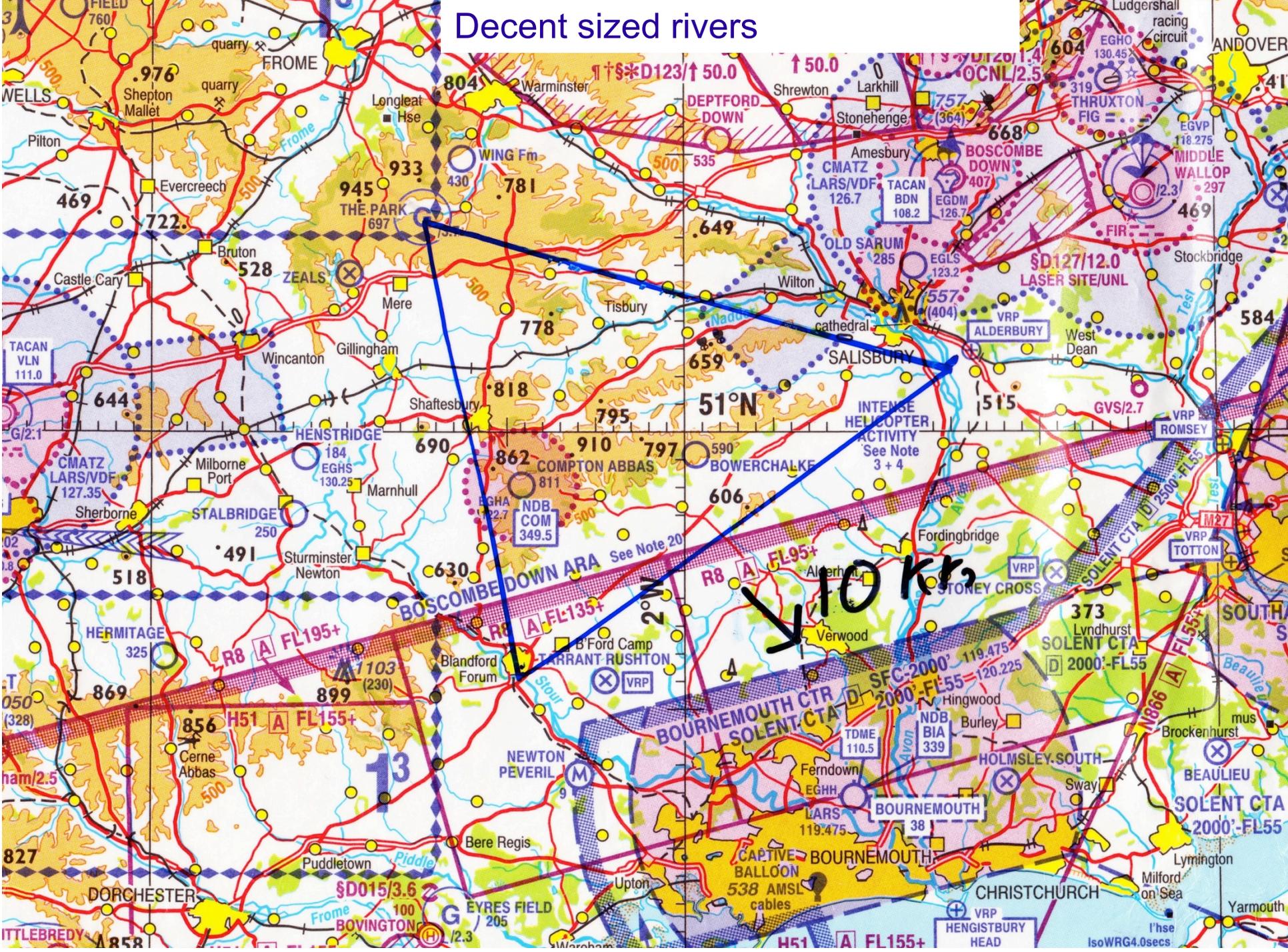
Coastline



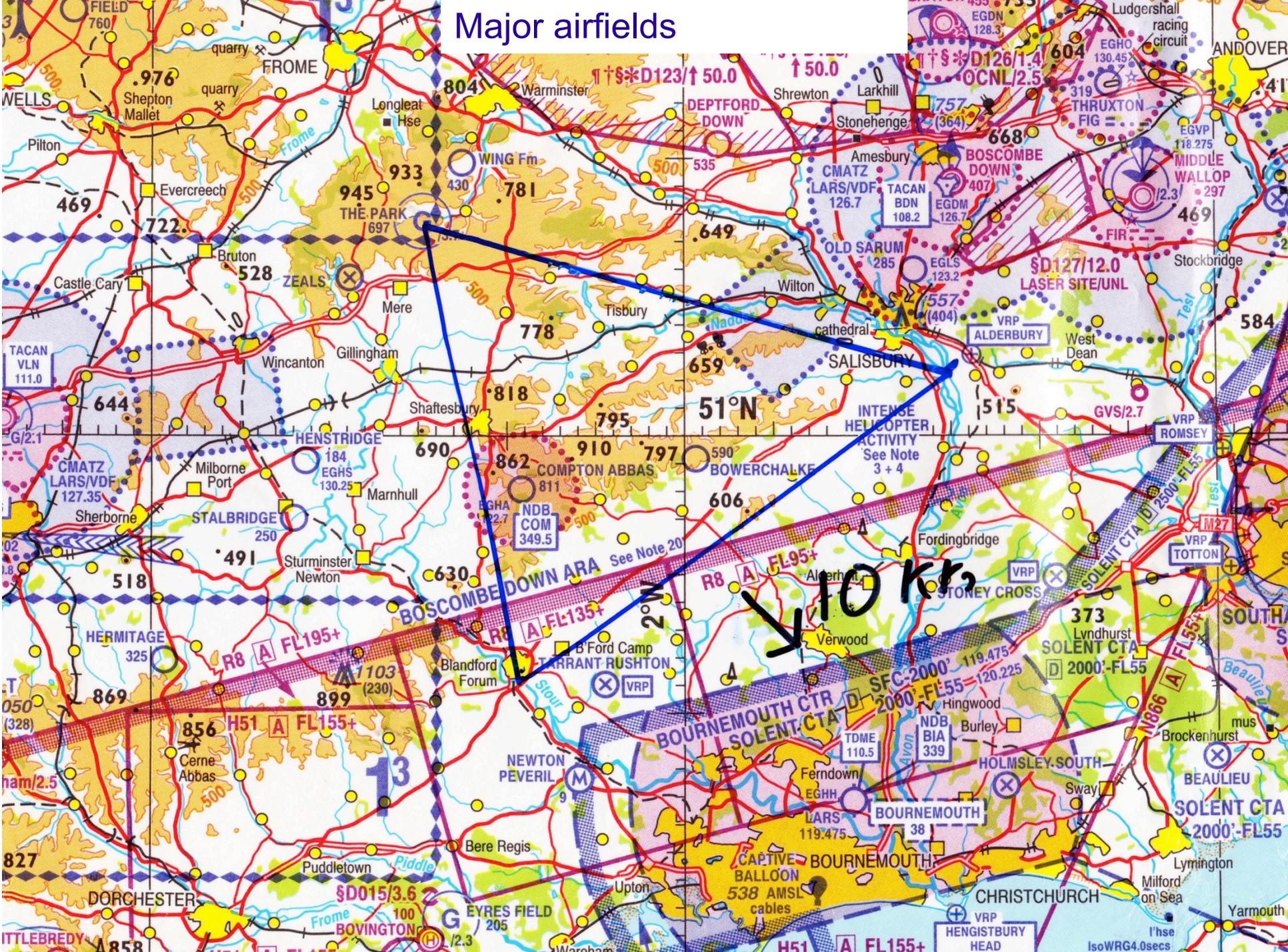
Large woods



Decent sized rivers



Major airfields



Map features

Good features

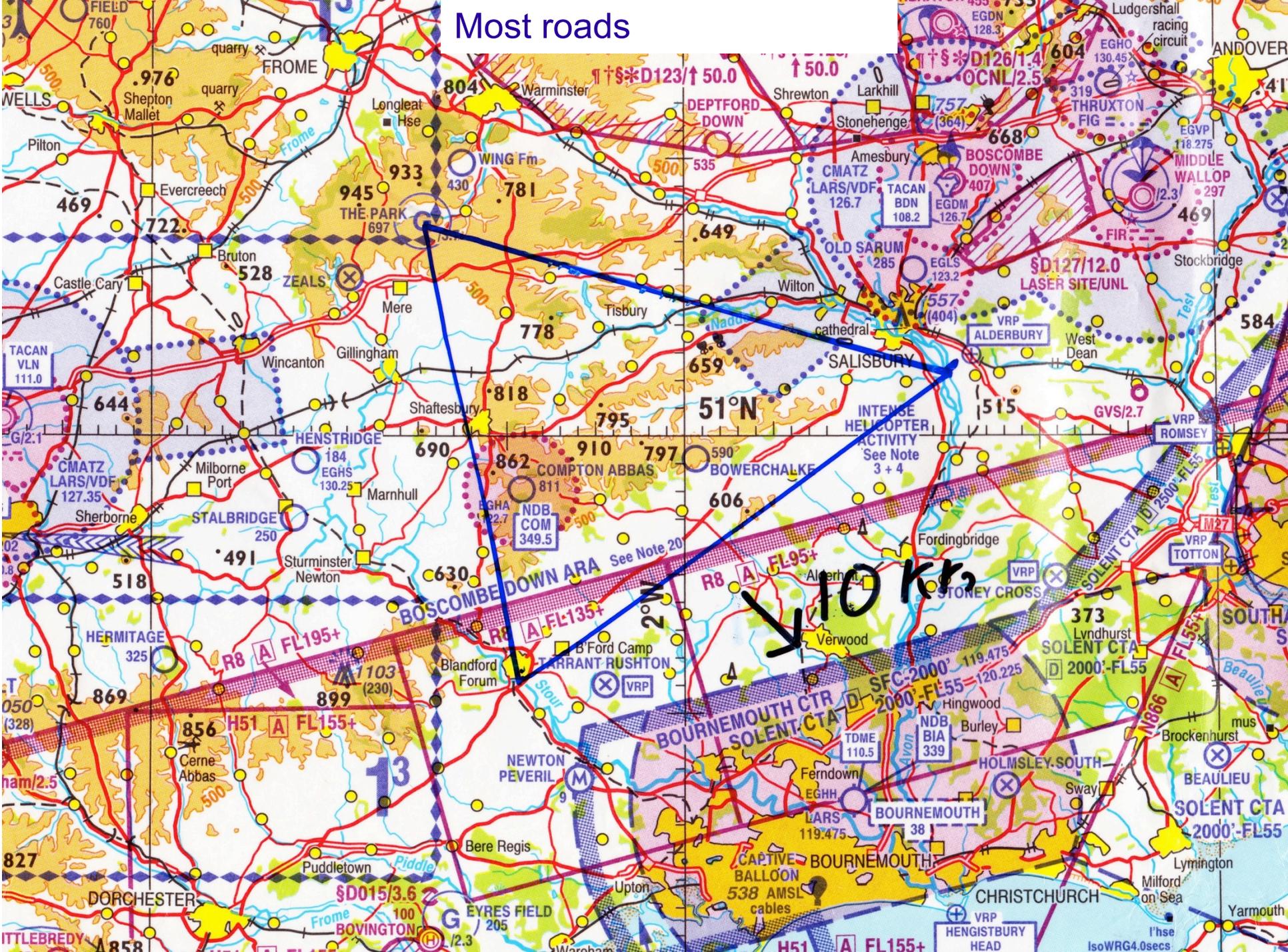
- Strong line features – Major roads/canals/rails
- Large towns and cities
- Lakes
- Coastline
- Large woods
- Rivers
- Major airfields

Map features

Poor features

- Most roads
- Any feature in shadow
- Grass airfields
- Small rivers and streams
- Hills unless large or obvious

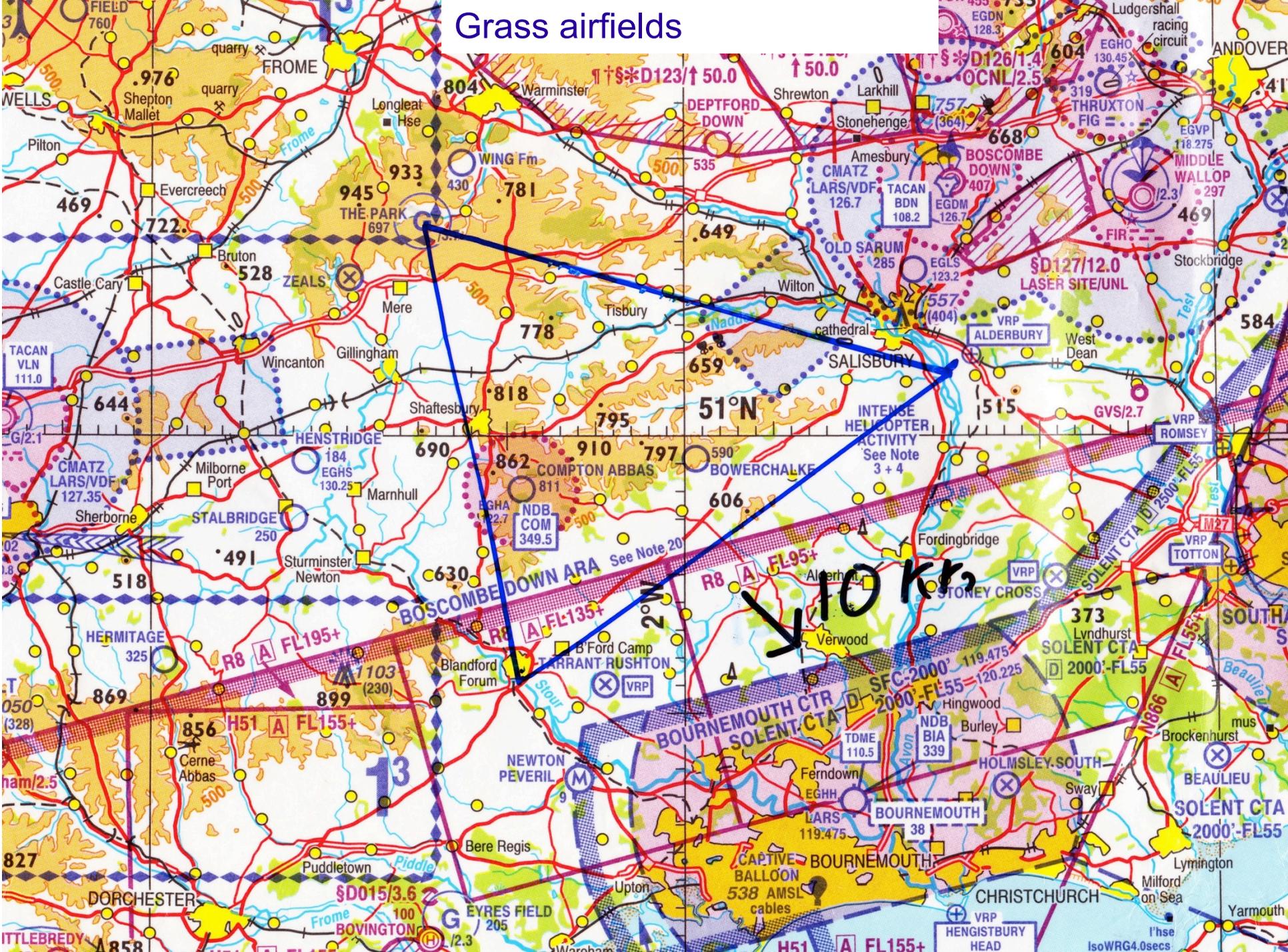
Most roads



Any feature in shadow



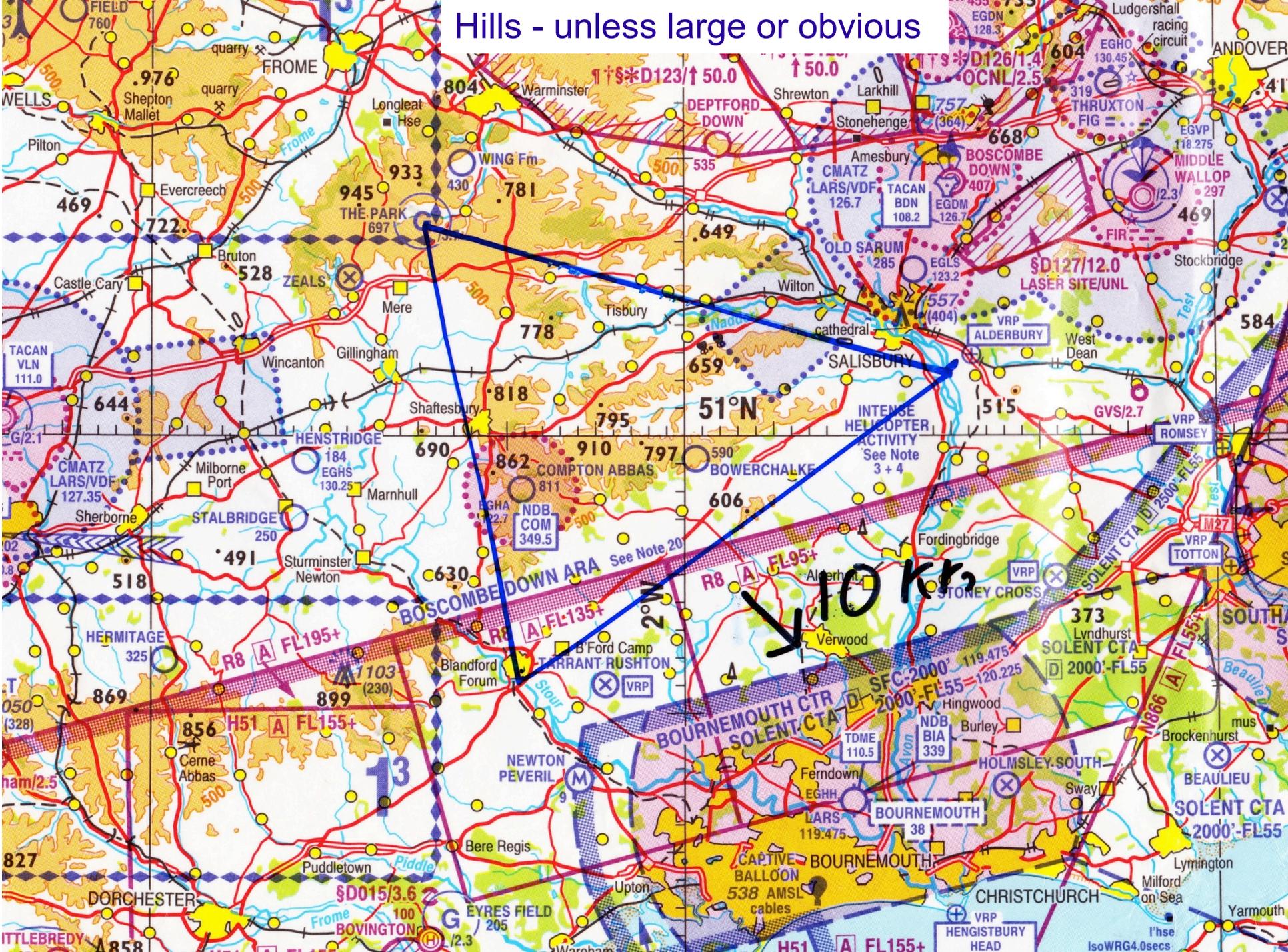
Grass airfields



Small rivers and streams



Hills - unless large or obvious



Unsure of position

- Work out last known position and estimate from there
- Pick an obvious ground feature and try to identify it on the map
- Keep soaring unless likely to be in controlled airspace
- Use 121.5

Map features

Poor features

- Most roads
- Any feature in shadow
- Grass airfields
- Small rivers and streams
- Hills unless large or obvious

GPS

- Moving map now the only safe way to use GPS

Moving maps



- Used with moving map software such as, SeeYou mobile or Top Hat.
- Larger display
- Full glide computer information
- Enter tasks
- Produces an IGC file for flight analysis
- May need to be wired in to glider power and have a GPS source
- Phone apps



Navigation for NFT

