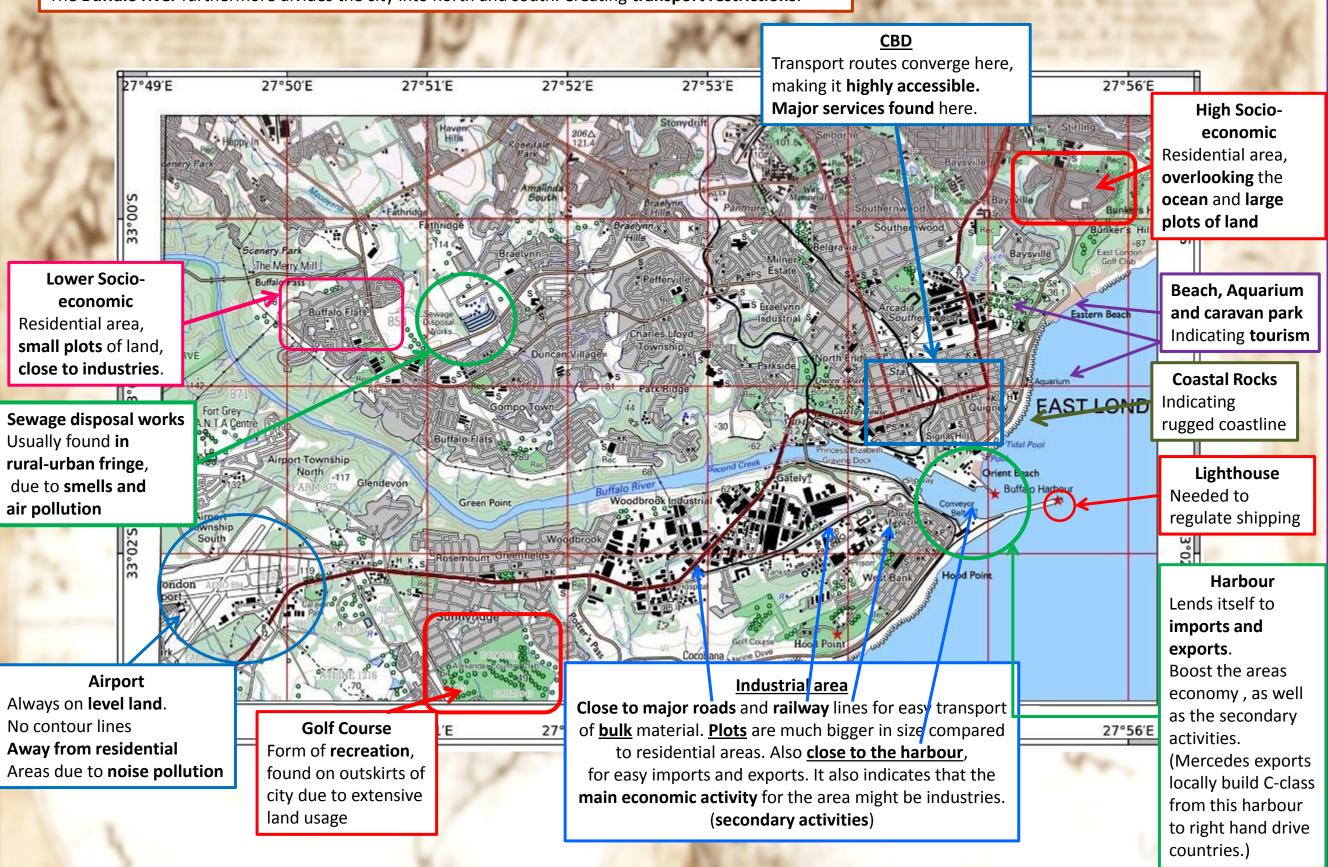
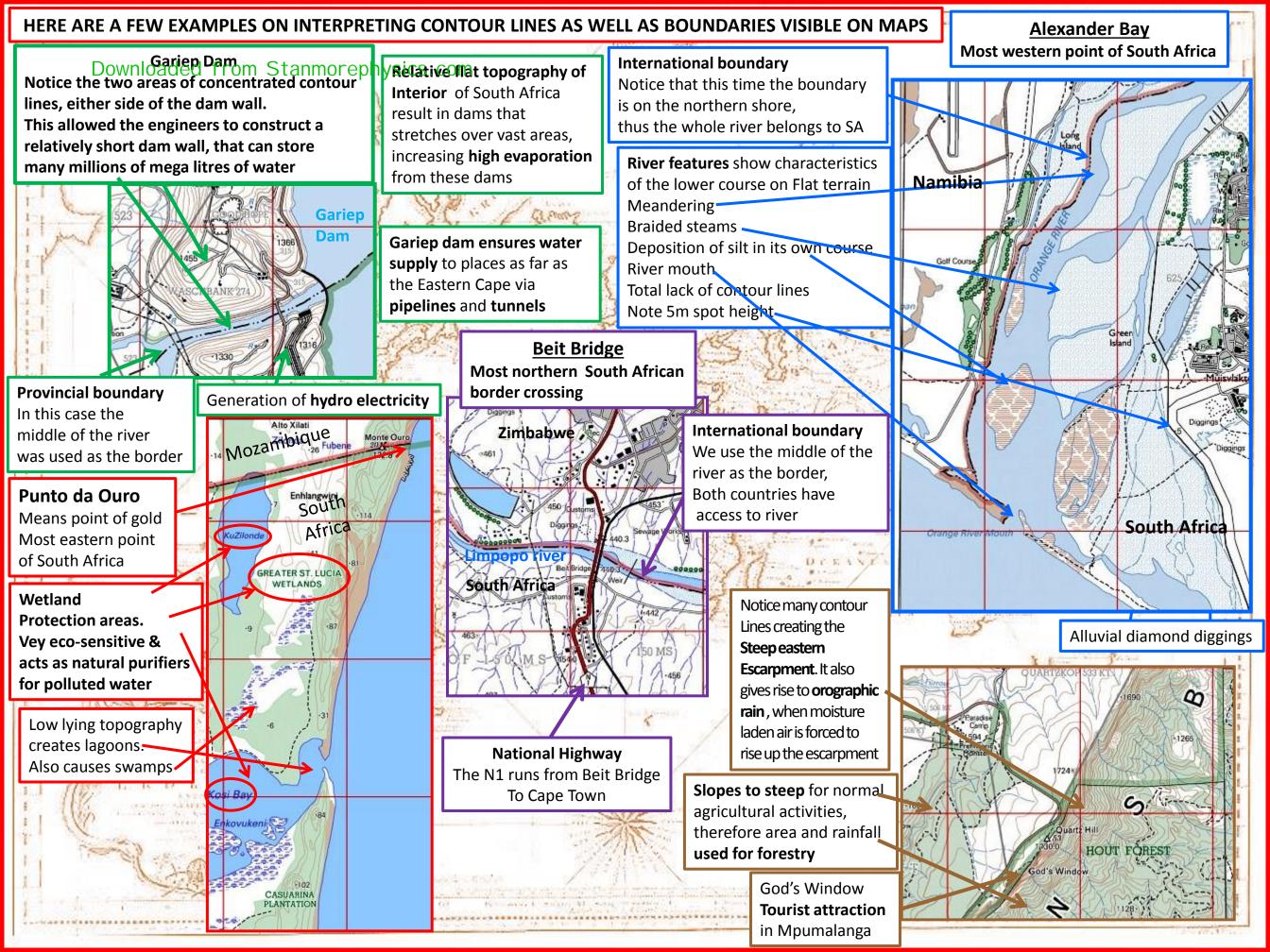


Take note of East London's shape

It cannot follow the roughly circular patterns of most cities. As it has physical restrictions, i.e. the ocean. The **Buffalo river** furthermore divides the city into north and south. Creating **transport restrictions**.





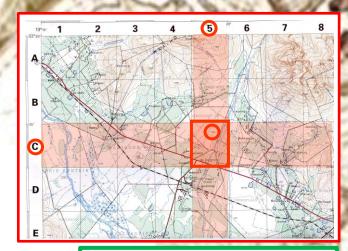
Find the spot height .284 found in Grid C-5 using the alpha-numerical method

Step 1 C is in the left hand margin and symbolises latitude (Always do latitude first)

Step 2 5 indicates longitude and is found in the top margin

Where the two columns intersect, is where we find the grid C-5

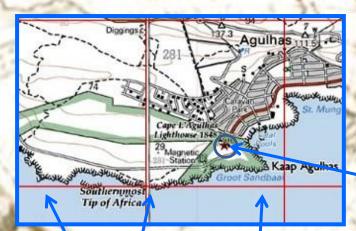
Only look in that grid for the spot height.



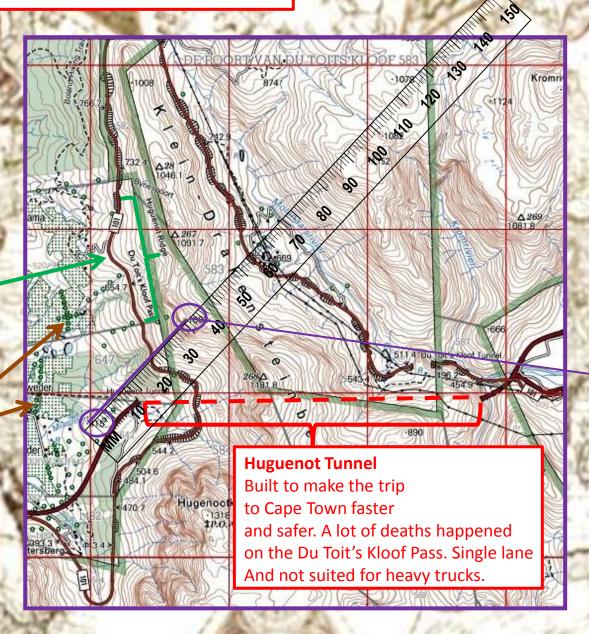
Notice how the road follows the contour lines.

This makes the road less steep. Railway lines do the same.

The rows of trees form a windbreak. Protecting Crops from strong winds



Cape Agulhas
Southern most point of Africa and therefore South Africa.
This where the Indian ocean(east) and the Atlantic Ocean (west) meet



Calculate gradient from spot height .415 to spot height 1 003

VI= 1 003 – 415 = <u>588m</u>

HE = <u>36mm x map scale 1:50 000</u> 1 000 (convert mm's to m's

HE= <u>36 X 50 000</u> = <u>1 800m</u> 1 000

G= \(\frac{\frac{1}{2}}{2} \) \(\frac{1}{2} \) \(\frac{1} \) \(\frac{1}{2} \) \(\frac{1}{2} \) \

Therefore Gradient = 1:3 (we round off)
This is a very steep gradient, we will not be
able to walk up this slope

Light house

Downloaded from Stanmorephysics.com

