

Atlas used: Philip's Modern School Atlas (94th edition).

la) Rye is situated on the inside of a ~~nodal~~ ~~point~~ nodal point where the River Rother and River Brede meet. This provides good defense on three sides of the town, protecting it from invaders when the town was first developing.

The rivers also provide water for drinking, irrigation and washing for early settlers. Goods and people could also have been transported up and downriver, which could have allowed trade between towns.

The River Brede is very narrow at points (915203 and 915205 for example). This would have allowed bridges to be built across the rivers, allowing access between different areas.

The flat land surrounding Rye would have been suitable to establish arable farming. The soil should also be very fertile as it is on a river floodplain. However, as there is some marshland due to ~~heavy~~ rainfall in the area, sheep farming could also have been common (evidenced by several sheepfolds, for example at 938 207).

The sea is very close to Rye (just under ~~1~~ ^{3 miles}), which would have allowed food (by fishing) and trade.

Higher ground at 915215 (55m above sea level) would have provided defense and commanding views of the surrounding area. Rye is in an area of relatively high flood risk, and the elevation could have allowed residents to find safety. Hills also provide some shelter from northern and south-western winds.

There are several woods nearby, for example Tigne's Wood at 912231. This would have provided timber for constructing houses and for fuel.

The ~~West~~^{East} Sussex area has a warm climate, which is more suitable for sustaining human life and for farming.

1b)ii) The proposed site is next to the A529, which allows easy access for cars travelling from around Kent. This would also allow buses involved in the park and ride scheme to keep on the main roads, reducing the length of the journey.

As the car park is close to Rye, drivers may not be put off by the short journey on public transport, encouraging them to leave their cars behind. However, it is still a suitable distance from Rye, which will help ease congestion and parking issues on the narrow roads.

The land on which the proposed car park is situated is very flat, meaning it will be easy to build upon. It is a suitable distance away from the River Rother that flooding should not be an issue, and is a suitable distance away from the small irrigation channels. In addition, building materials and large machinery can easily travel up the A259 during construction.

There is a footpath near the proposed site, enabling some tourists to walk the short distance to Rye. This will again ease congestion on the roads, and pollution will be reduced.

The car park is also near Northpoint beach, so a separate bus service could also take tourists there for sightseeing opportunities or sailing. This could boost profits for businesses in the area.

There is plenty of open space in the surrounding area, meaning that if needed, the car park could be expanded to suit the volume of visitors.

If financially viable, a station could be built on the nearby railway (A31213), increasing access to Rye and to towns along the train line (such as Winchelsea).

1c) As the reserve is near the beach at Rye Bay, there may be endangered plant and animal species living in sand dunes. Sand dunes can easily become

eroded due to human activity, therefore they must be protected. There are also several ~~are~~ pools of water that can be habitats for many aquatic and semi-aquatic species. In addition, surrounding Rye and East Sussex are areas of outstanding natural beauty, suggesting that Rye Harbour is also a scenic location. Protecting the area by establishing a nature reserve is one way of preserving the scenery.

As there are houses close to the reserve, the area could have been designated as a nature reserve to stop more houses being constructed in the area, spoiling the scenery and further endangering certain rare species.

The area is a popular tourist location, and there are several footpaths. Designating the zone as a wildlife reserve may cause tourists to stick to the footpaths more while keeping the area popular and profitable.

c)ii) There could be many tourists who walk through the reserve to access Winchelsea Beach. Although there are designated footpaths, tourists may trample the sand dunes, killing endangered plants. In addition, the issue of footpath erosion could arise, with the high volume of visitors per annum that visit Rye.

Tourists may also discard litter in the area, which can cause more issues for the environment. Cars travelling along Dogs Hill Road and Harbour Road may pollute the landscape, which will affect the ecosystem.

Storms at sea could cause the nature reserve to flood, harming several species in the process.

There could be pressure put on the local government to construct houses in the area by companies and individuals. This could cause conflict over the nature reserve.

As the wildlife hides are close to footpaths so that tourists can observe animals and birds, many animals could be frightened away from their habitats by the disturbances.

The Rye Harbour Sewer may also ~~pose~~ ^{pose} health risks for endangered species in the area, ~~which~~ ^{that could} become trapped or use contaminated water for bathing or drinking (929186).

fishing in the pools at 933181 must be strictly controlled, otherwise overfishing of rare species could pose a problem.

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2016 GEOGRAPHY ADVANCED HIGHER

SUPPLEMENTARY ITEM B
for Q1

Full name of centre
Name of candidate
Date of birth

88 23 96 23 16 88 96 16

XSOA

