Candidate 1 evidence

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(a) Ideally a dam would be located in a narrow deep v valley. This would maximise water storage making it more efficient. There should be high precipitation or snow melt in the valley. This ensures water levels remain high enough. The valley should have relatively low temperatures reducing evaporation and water loss. The dam must be located on impermeable rock like granite as this reduces seepage

(b) Some consequences are that the area flooded behind the dam lost some Indian tribal burial grounds and settlements. People whose houses were flooded also had to be rehoused which is expensive. Although there is water for irigation the subsidised water given to farms led to wastage. The dam has reduced water flow downstream and the Colorado Delta e.g. dried up losing many bird habitats Due to high evaporation

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	rates here is increased salinity. This leads to farmers having to switch to salt tolerant crops	
	otherwise of the dam. The dams are very	
	expensive - the central Arizona Project cost	
	$6bn e.g. the reservoirs have lead to invasive	
	species such as zebra mussels e.g. this is	
	expensive to control.	

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One strategy used to manage malaria is vaccines and medicines. Recently a new drug for treating Malaria has been disscovered called Artemisinin. This can be given to patiens with malaria to control the disease and kill the parasite. This hasn't been effective as the parasite has already become resistant to the drug, however a combination therapy of quinine, chloroquinine and artemisinin can be used which can be quite effective. Another strategy used to manage malaria is the use of preventive measures. One preventive measure is to use insecticide treated bed nets. This can stop the victim being bitten by a mosquito which carries the parasite. This can be very effective as it can stop the spread of malaria, however the nets are often misused as people may use them for fishing nets

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which washes away any of the insecticide Typically the nets have to be resprayed every 6-12 months, often people do not do this leaving the nets useless. Another preventative measure is to educate people to how malaria can spread. This means people have a better understanding of malaria and they may take more measures to prevent it. This can be effective as it will teach people to cover themselves at night which will reduces the spread of malaria. However people may ignore the education which will not reduce infections. Another strategy used is to forget the vector. One way to forget the vector is to destroy their breading grounds. Mosquitos breed in pools of stagnant water so swamps, irigatition systems could be drained. This could be effective as it would completely wipe out the mosquito, however, it is completely

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unrealistic to drain every single pool of stagnant water, even the smallest puddle can be a breeding ground. Draining every single pool would also mean draining dams and wells and the whole purpose of them is to bring water to places that struggle to get water. Another way to target the vector is to use BTI treated coconuts. These are coconuts treated with a chemical which destroys the stomach lining of the mosquito. These coconuts can be added to water to kill the mosquitos. These are cheap and effective and can keep a reservoir clear for 45 days.

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The site has great transport access with a train station very close to the proposed sight at (323470) as well as both a main road running along beside it and a motor way very nearby. This is good for multiple reasons as it will provide ~~easy~~ access to residents who work further away. As the OS map shows the area its proposed to be in (3246) is very flat, this is ideal for building on as no land needs to be flattened to build the houses and other buildings. There are also few buildings in this area so little would have to be removed if any as there is plenty of free land. However, west of the proposed site at (326424) is an industrial estate, this will cause both noise and air pollution as well as be visually unpleasing. This would cause the properties to be less appealing as they are in an unpleasant environment. There are

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already plenty of amenities in the area as it is already developed into a towns, this good as the map shows at (306490) there is a holiday camp which will offer activities as well as lots of already established local shops and public spaces. Also as diagram Q12B shows there are lots of cities and towns near as well such as Bristol and Cardiff which are easy to access through the M5 and M4. There is also Exmoor National Park which offers beautify landscape and scenery. There is also going to be a nuclear power plant built in the area which would provide jobs for locals who live in this proposed site during both construction and the running of it. Additionally, as diagram 12D states it will improve local infrastructure as well as boosting the economy which would make the

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	area an ever more attractive place to live. The	
(b)	The development will provide much needed housing in the area as diagram D12 shows with the population in the area rising just over 17,000. This housing will be necessary as many of the younger generations may be forced to leave as housing is too expensive due to high demand. The site also has a public school outdoor play facilities proposed too (in the statement) which would relieve pressure off the local schools (B 13 &14) as well as prevent increased pressure that this development are likely to go to the nearest school which would be the proposed one. There are two routes the construction teams may take and both will result in bad traffic congestion for the area, one along the A class road diagram 124 shows and	

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through the town via the motor way as shown on the OS map (326 471). Both routes would decrease air quality in the area as well as cause noise and visual pollution. This will be especially bad if they go through the town as that will already be the most congested area and isn't designed for big lorries and construction vehicles. This settlement could pollute and damage the nearby river at (319 470) which result in environmental problems, this will happen especially a during the construction phase as its likely that dust and material will get into the river as well as large vehicals putting excess pressure on the land and banks. The will boost the local economy as more locals nearing more people are spending money locally which puts more money into the

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	local economy resulting in a positive economic multiplier effect which results in the constant growth of the economy multiplier effect which results in the constant growth of the economy, this development will boost that.	