

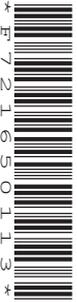
Monday 14 January 2013 – Afternoon

AS GCE GEOGRAPHY

F761/01/I Managing Physical Environments

INSERT

Duration: 1 hour 30 minutes



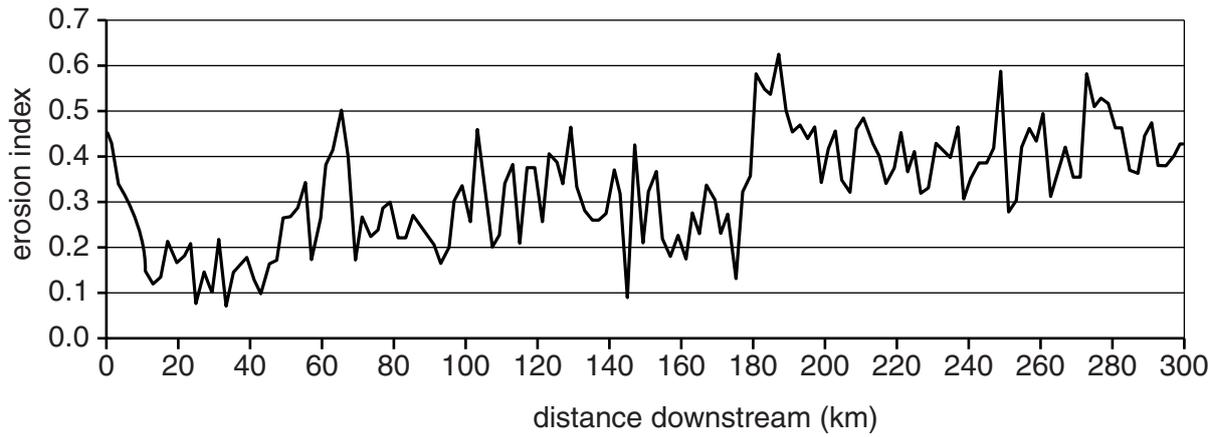
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Fig. 1 Erosion index* (1938–2004) along the Lower San Antonio River, Texas, USA



*The higher the erosion index, the higher the rate of erosion.

Fig. 2 Mean erosion rates (1951–2001) along a coastline in Yorkshire

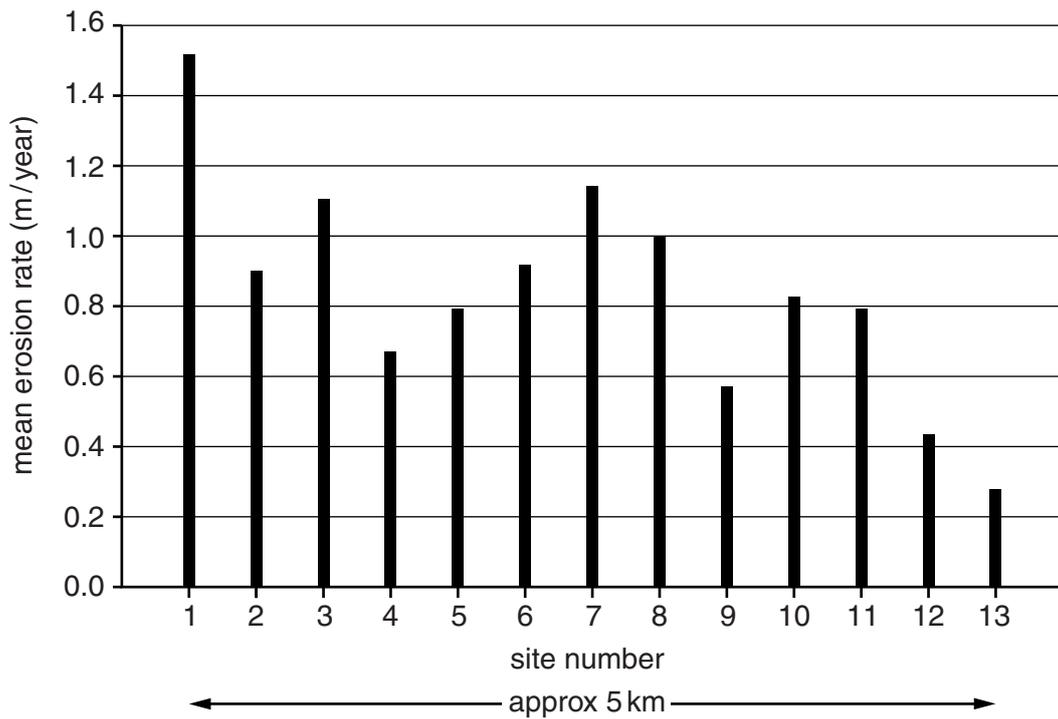


Fig. 3 A summary of a sustainable tourism scheme in the Swiss Alps

Tourism is vital to the local communities, with many people visiting in the winter to ski and others in the summer to walk and climb.

The area has advertised itself widely to promote its tourism assets and the numbers visiting have increased. Many new jobs have been created as ski instructors and tour guides and tourism spending in hotels has risen. Some of the income in local taxes is being used to pay for tree planting schemes. A new sports complex has been opened which is heavily used by local people as well as by the visitors.

The scheme should help ensure that local residents continue to benefit from tourism long into the future.

Fig. 4 A summary of a sustainable irrigation scheme in Saudi Arabia

The two main aims of the scheme were to reduce the amount of water being used to irrigate wheat crops whilst at the same time increasing yields. This was achieved by introducing different species of wheat and educating farmers over the use of more efficient irrigation systems.

Both of the aims were achieved, resulting in increased employment in agriculture, surplus wheat production which could be sold commercially, more reliable food supply for local people, increased availability of drinking water and reductions in both soil salinisation and water-logging.

The scheme should help ensure that local residents continue to benefit from agriculture long into the future.

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