

Soil

Soil Erosion

# Soil Erosion



# Gully Erosion



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# Gully Erosion



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# Wind Erosion



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# Soil Slip



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# Farming Steep Slopes



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# River Erosion



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# Erosion after the rain



# Soil Erosion in a developing area





# Rill Erosion





# Erosion from rain



# Terracing



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**Soil**

Soil Erosion



# Soil Erosion



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Clear cutting and the lack of plants to hold the soil in place make this land near San Francisco, California highly susceptible to soil erosion.

# Gully Erosion



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Gully erosion is evident in this unprotected field following a storm

# Gully Erosion



© Keith McCall, NRCS, Image Source: [Earth Science World Image Bank](#)

Keith McCall NRCS



# Wind Erosion



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The effects of wind erosion in northern Iowa show on the sandy knobs (light colored soil) that have had topsoil eroded completely by wind over the years.

# Soil Slip



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A 'soil slip' occurs on steep slopes when thawed soil slides over a frozen soil layer below.

# Farming Steep Slopes



© T. Loynachan, Image Source: [Earth Science World Image Bank](#)

Farming steep slopes in China can lead to soil erosion. Photograph was included in *Soils, Society, and the Environment*, American Geological Institute, 2005.



# River Erosion



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Sediments filling Lake Red Rock in central Iowa at rates much faster than anticipated.

## Erosion after the rain



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Sediment in the street of Des Moines, Iowa, after rains. This occurred because measures were not taken to protect the soil from erosion during development.

## Soil Erosion in a developing area



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Soil erosion on unprotected soil in a developing area. This kind of erosion on these soils can be quite severe.

# Rill Erosion



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Severe sheet and rill erosion on highly erodible soils in northwest Iowa after heavy rains. These soils had no protection against soil erosion.



## Erosion from rain



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Heavy rains eroding top soils from an unprotected field. This can cause abundant damage when the soils contain fertilizers and other pollutants.

# Terracing



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Along the Rhine River in Germany terracing is used to prevent soil erosion in the vineyards.