

Trailer Funded by USDA-NRCS Project No. 03-60768

Stream

Trailer

TEXAS  
EXEMPT

# Current Events

Watching How Streams and Rivers Flow

# Acknowledgments

*Oklahoma Cooperative Extension Service*  
Oklahoma State University

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[http://waterquality.okstate.edu/stream\\_trailer.asp](http://waterquality.okstate.edu/stream_trailer.asp)

*Stream and river pictures:*  
Christopher Mathewson, Texas A&M University

*North Central Texas Water Quality Project*  
Texas Water Resources Institute  
Texas A&M Agriculture  
Tarrant Regional Water District

# Rivers Don't Run Straight

Lesson 1

- How do channel slope and water velocity affect erosion in streams and rivers?
- Why do streams meander?



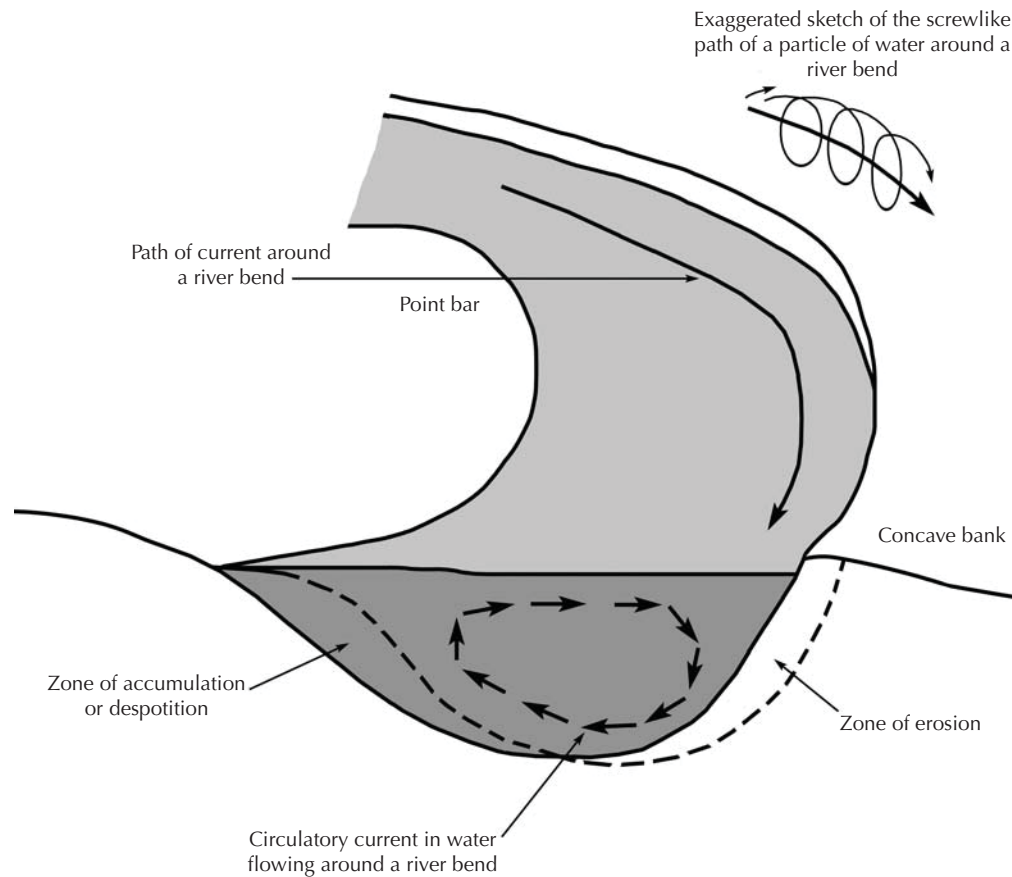
Very little meander



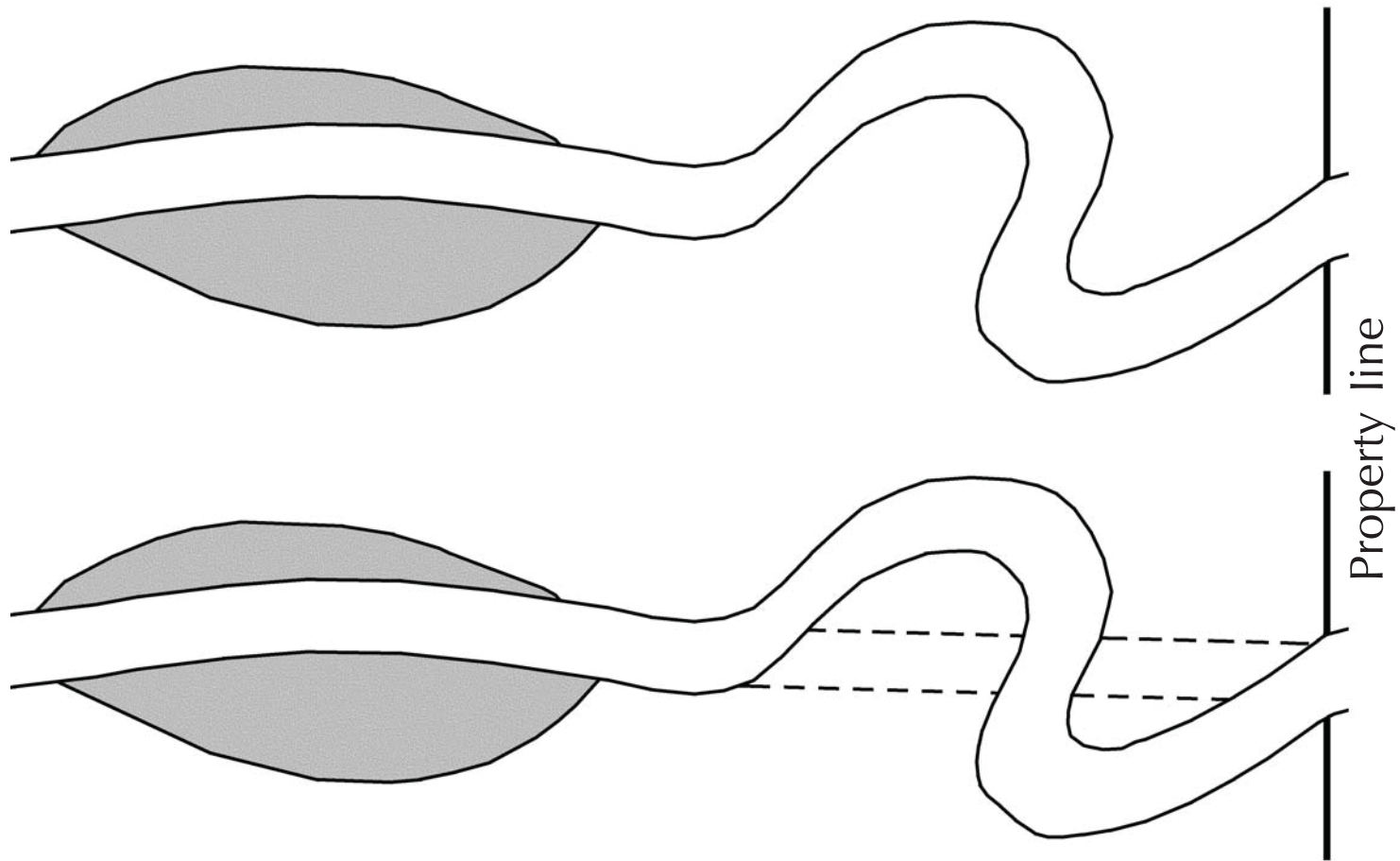
Typical meandering



Many meanders: a braided stream



What is the meander process?



What happens if you straighten a stream?