

# Assessing Rivers for Restoration Purposes



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Encroachment





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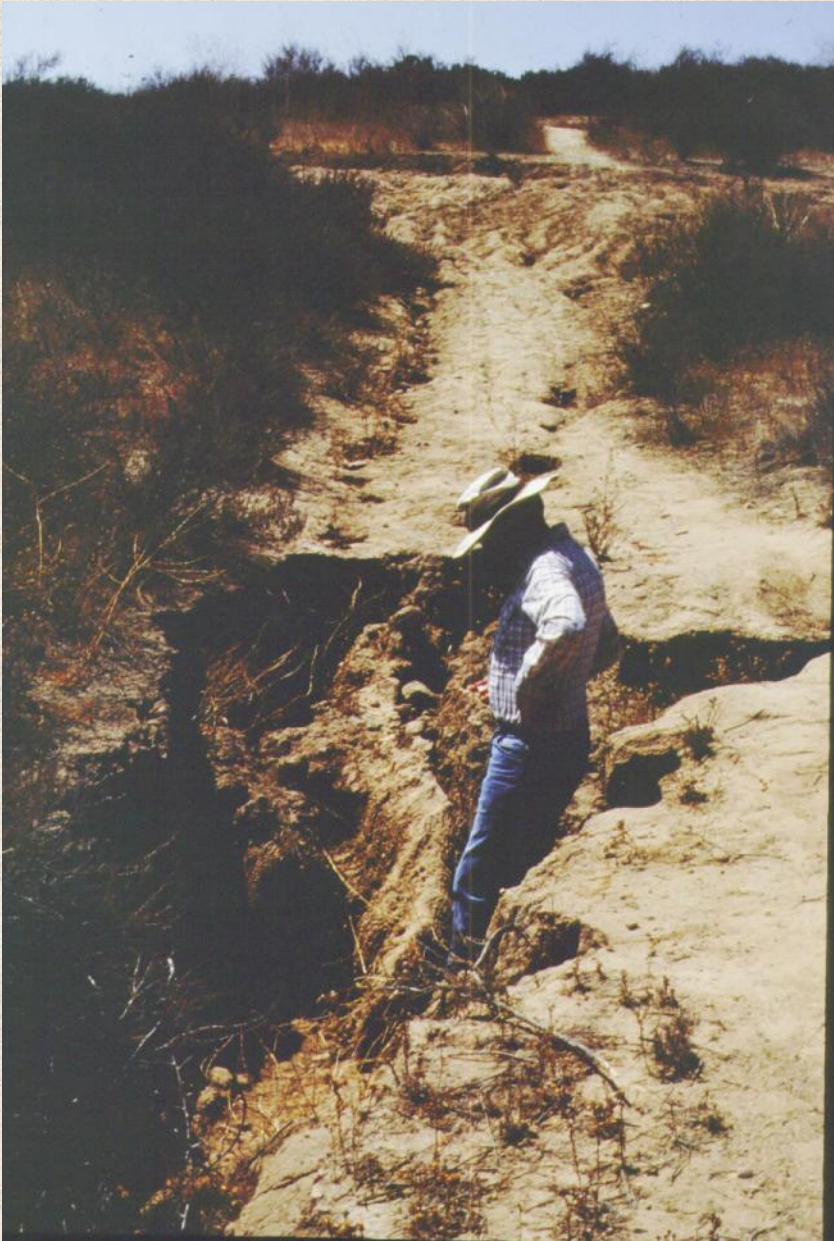




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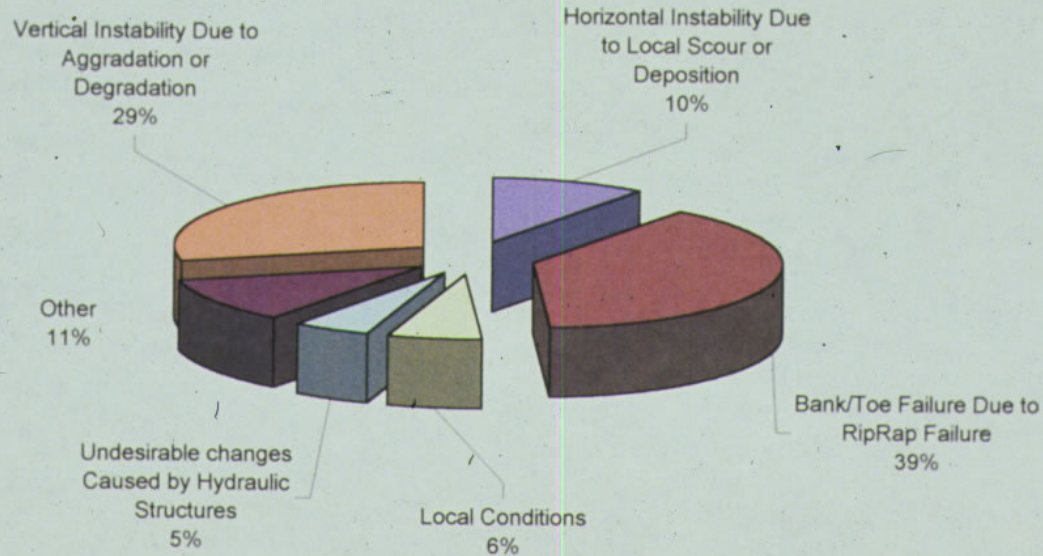


**New Pinole Creek trestle : too low for next 100 years**

This locks in flooding problems upstream for another few generations.



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Steep gradient streams need to address step pool design for restoration.



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3-5-98 WCT ms

■ Voters approve a historic tax measure that aims to reduce flooding through natural methods

By Denis Cuff  
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See FLOOD, Back Page

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The "Zen of flood control design" for the Napa River, California.



# ***Southern portion of project area***



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## New third street bridge

Bridge replacements which serve as key strategies to reducing flood damages should be part of federal cost sharing on projects: This is more sustainable than dredging the river repeatedly.





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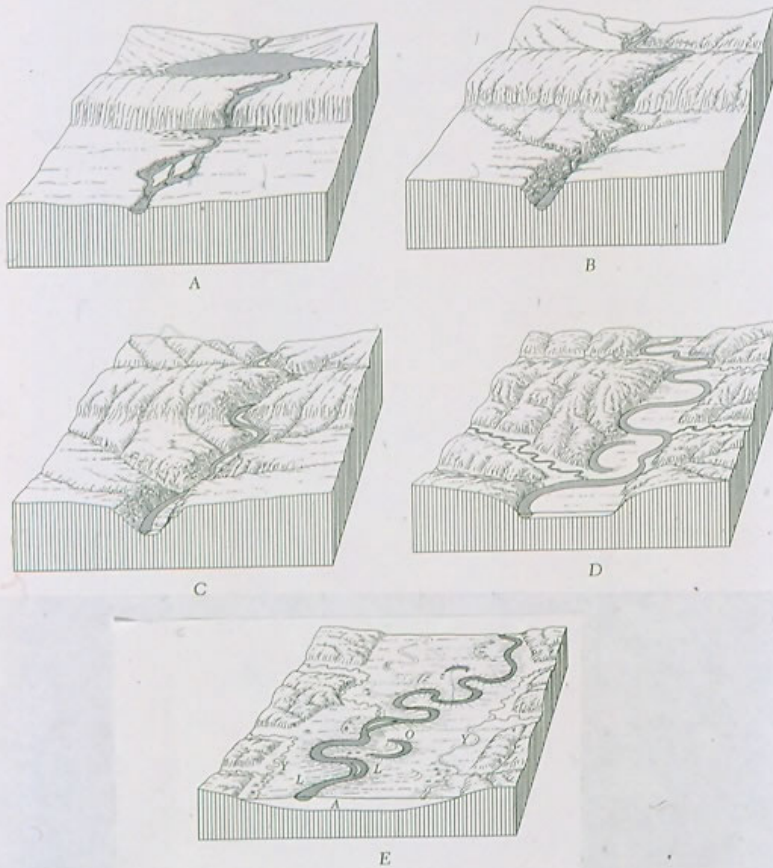


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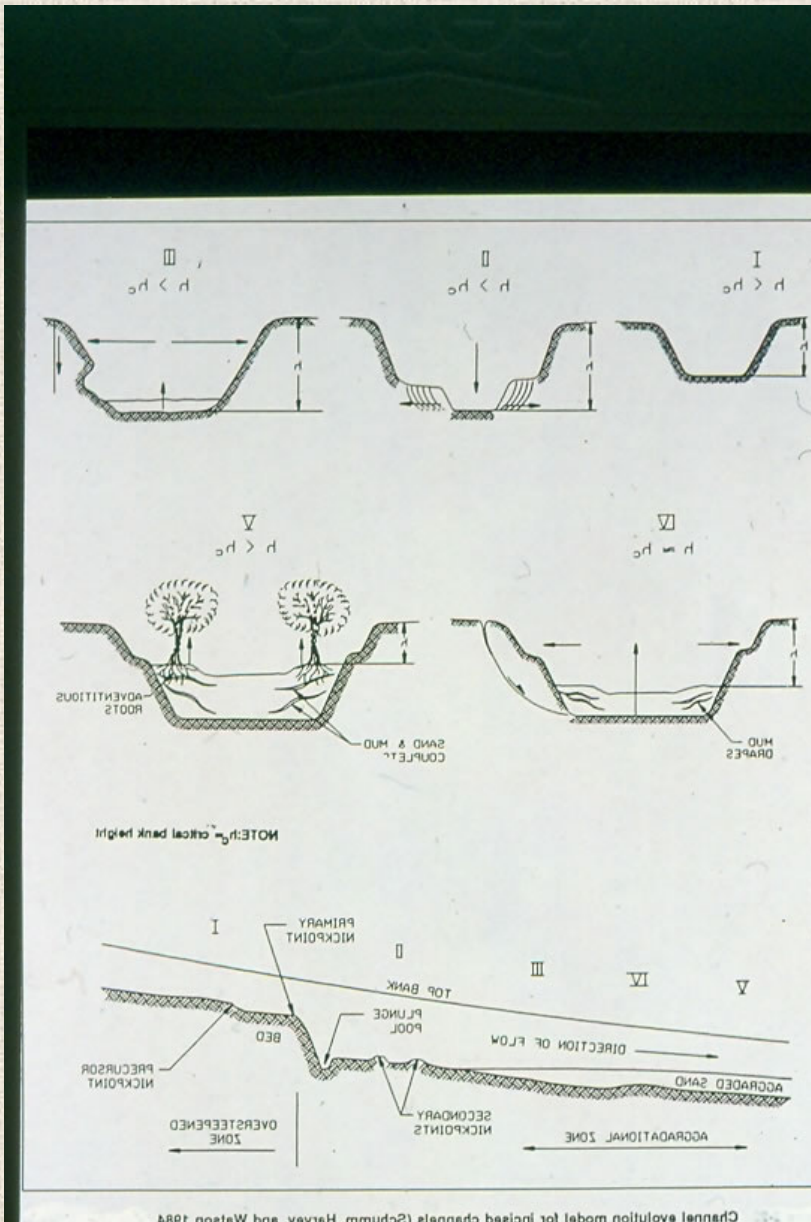
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Process based assessments can inform management actions and result in permits which protect the environment.





Channel evolution sketches can be rapid assessments which indicate level of degradation, the route to recovery and inform restoration or management.




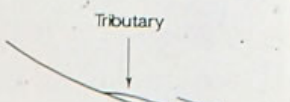
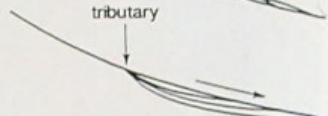



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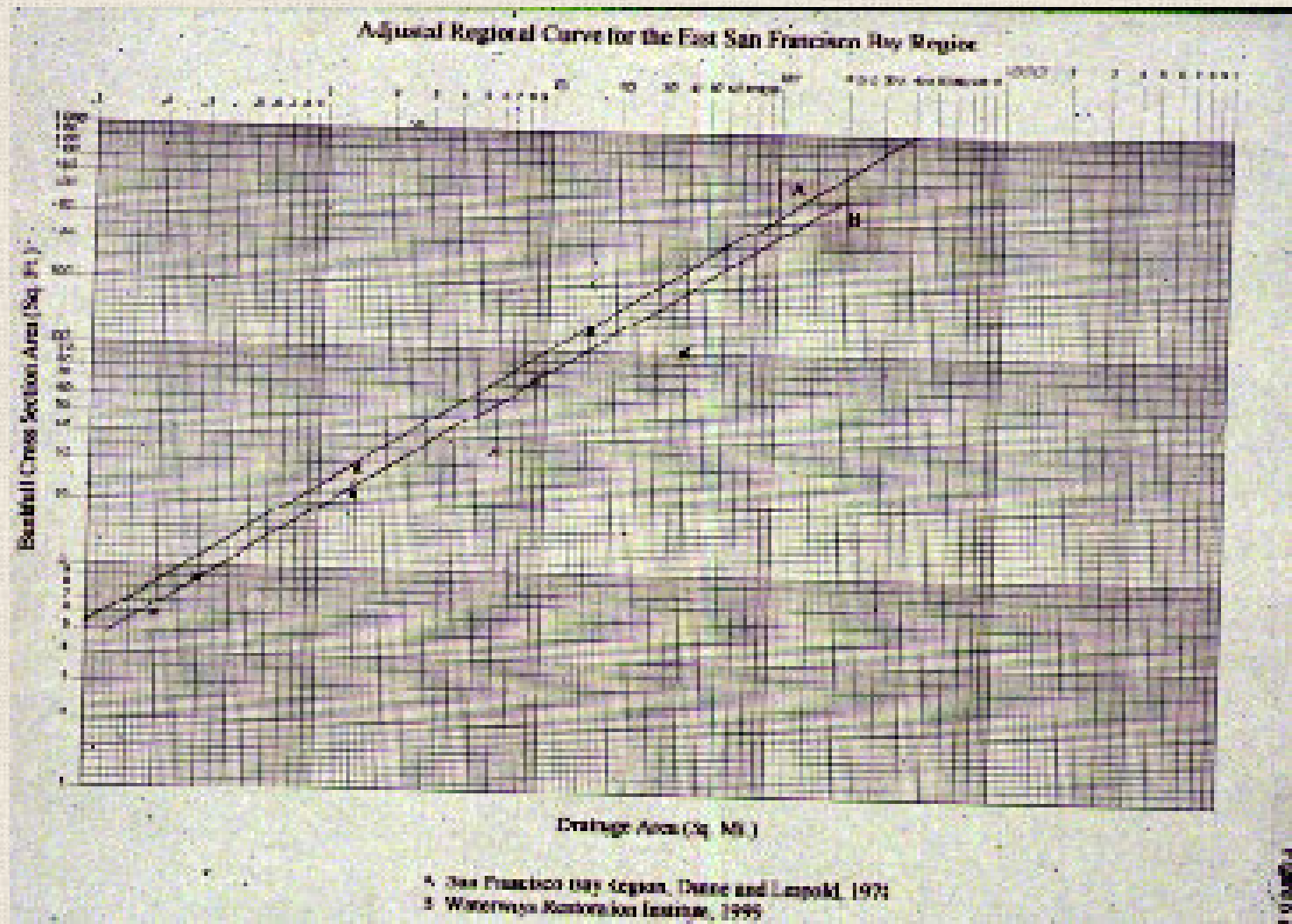
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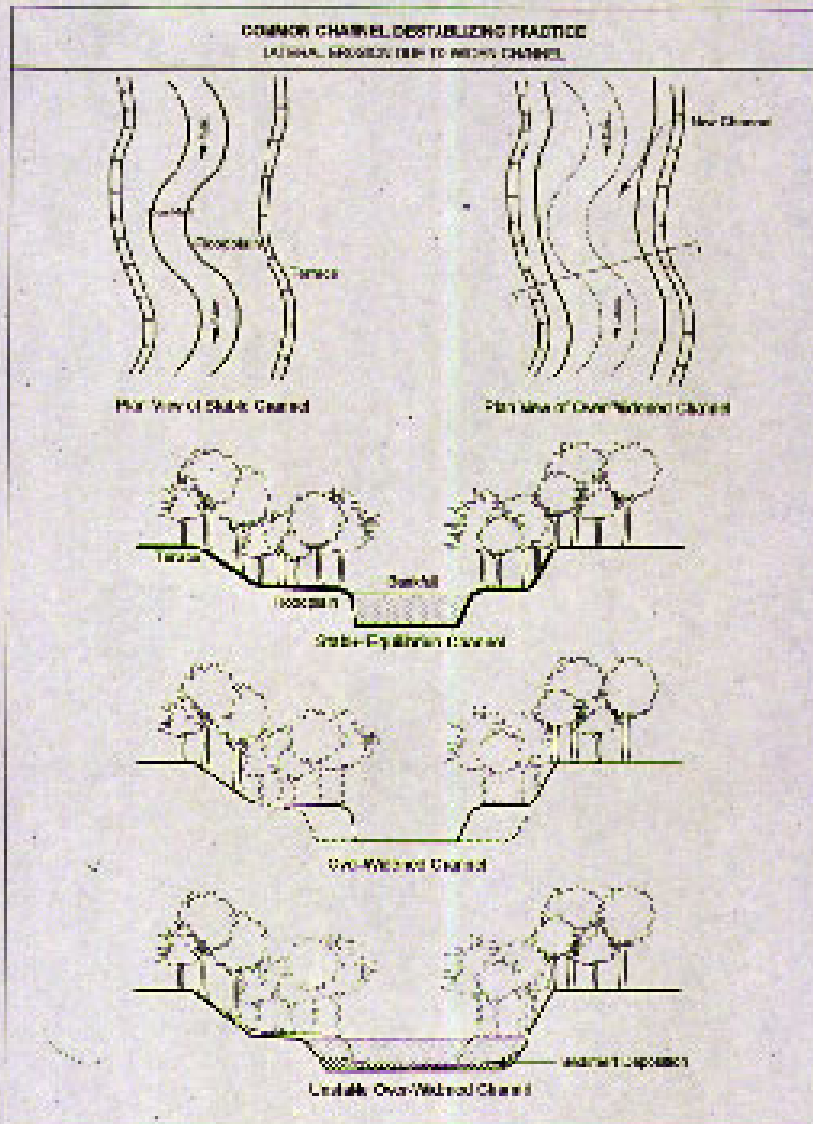




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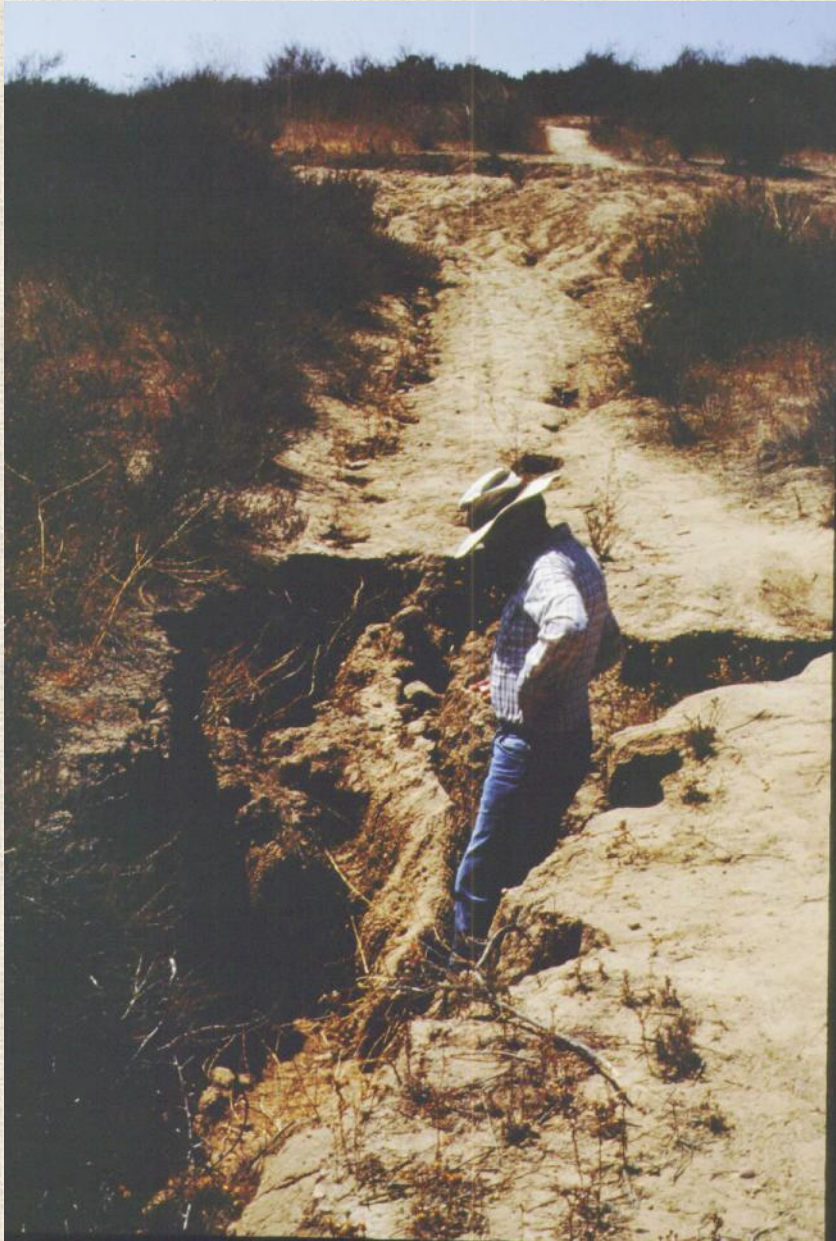




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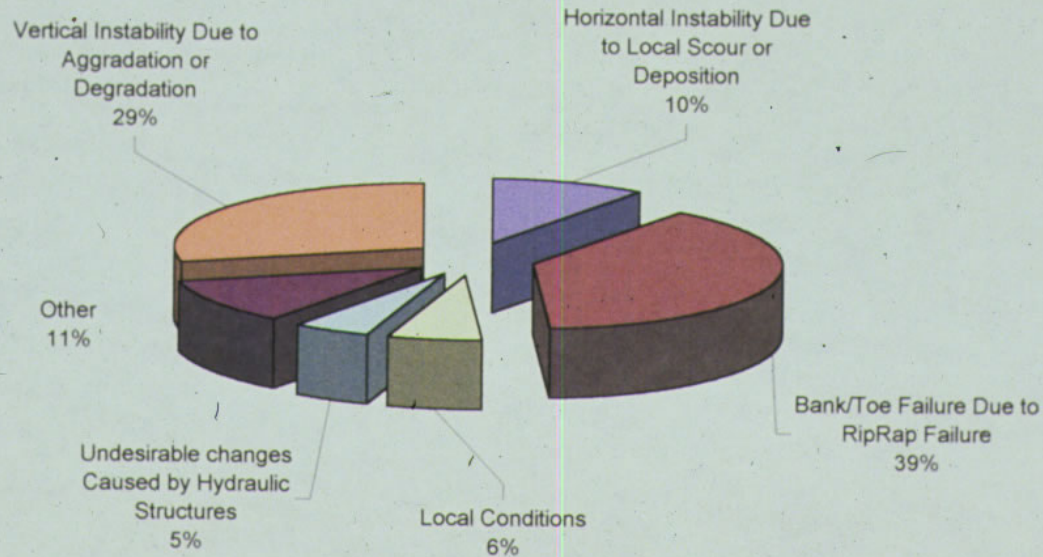


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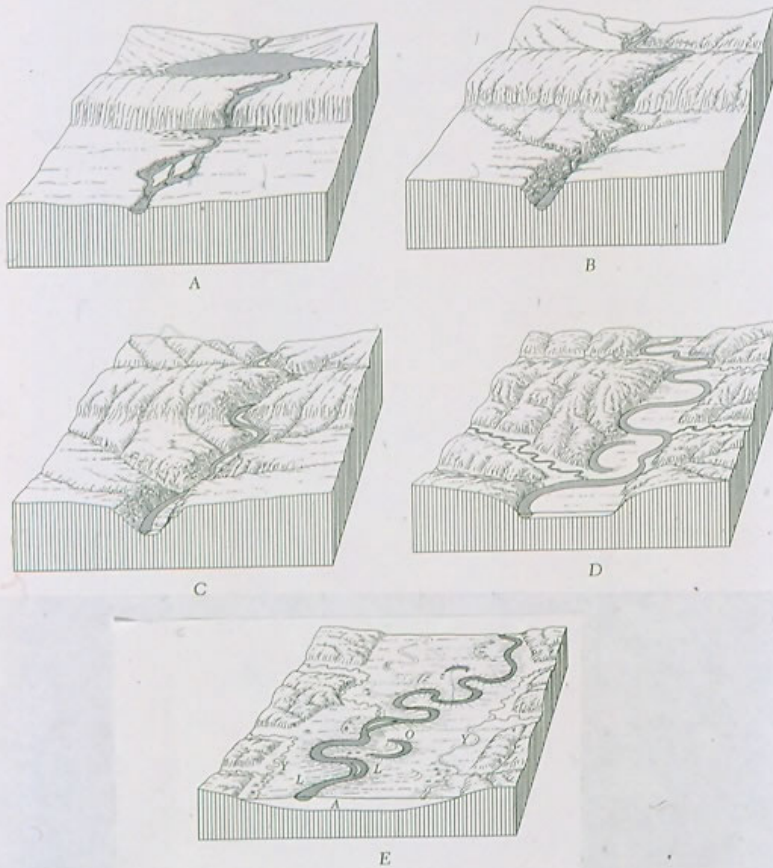


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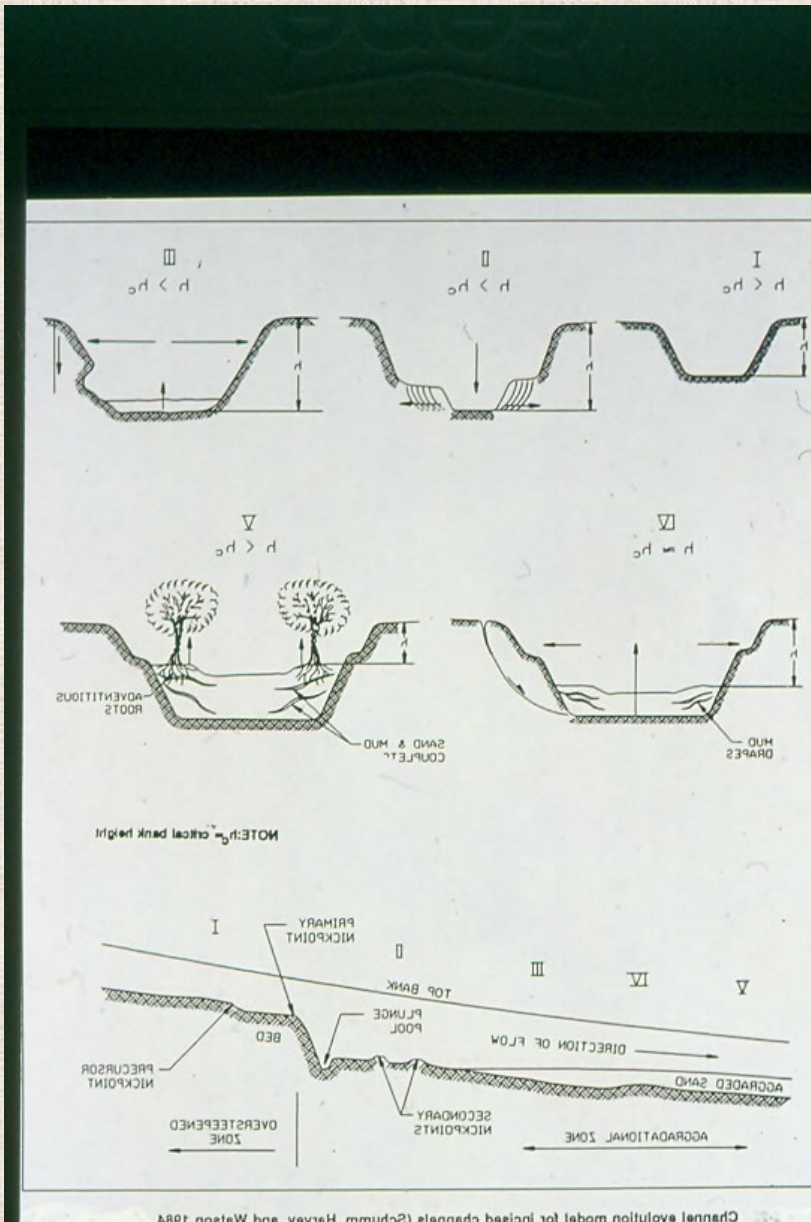
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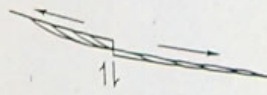


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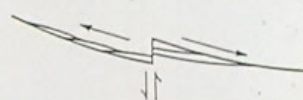
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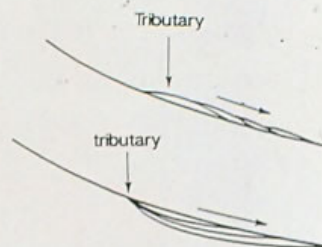
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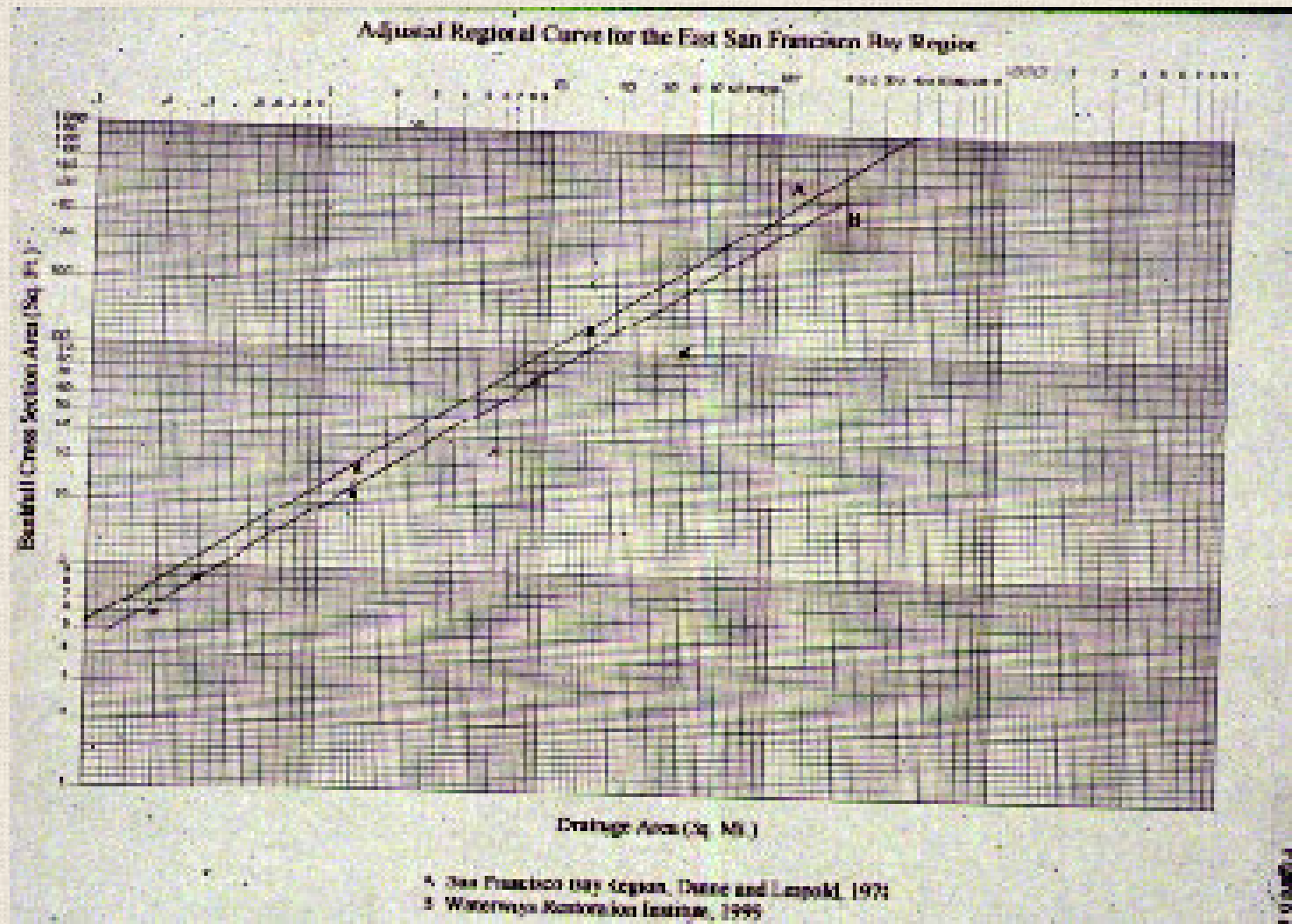
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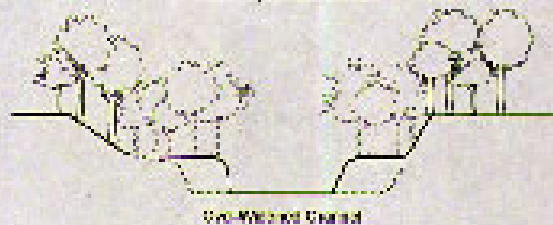
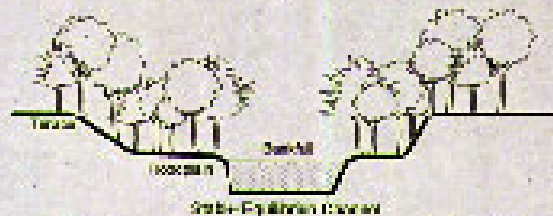
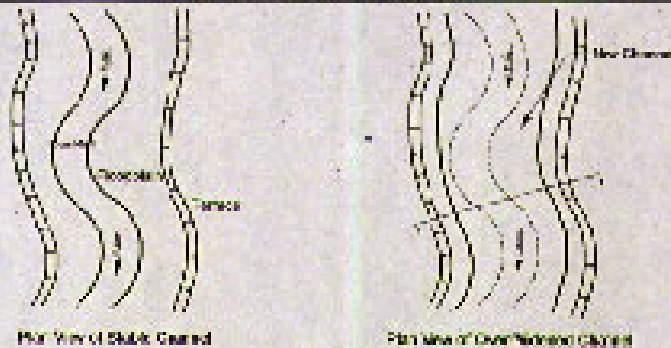


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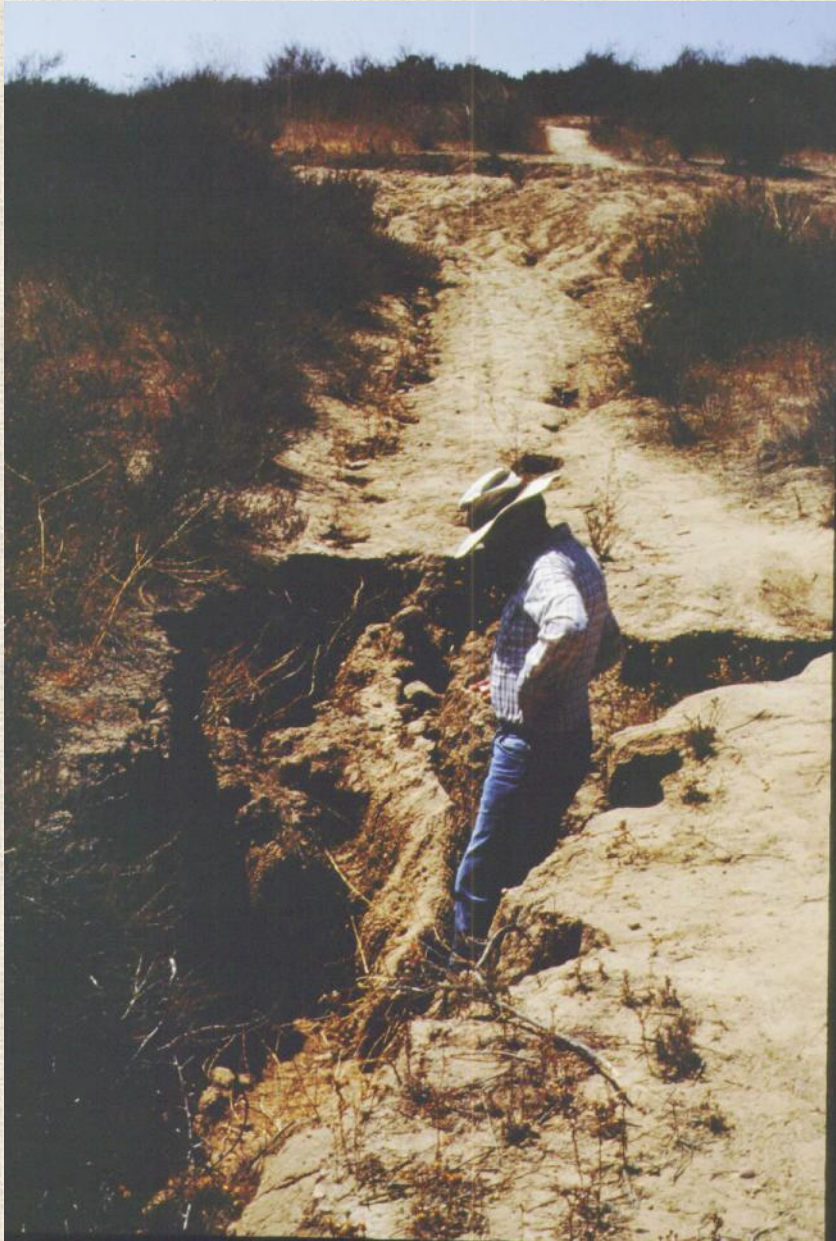




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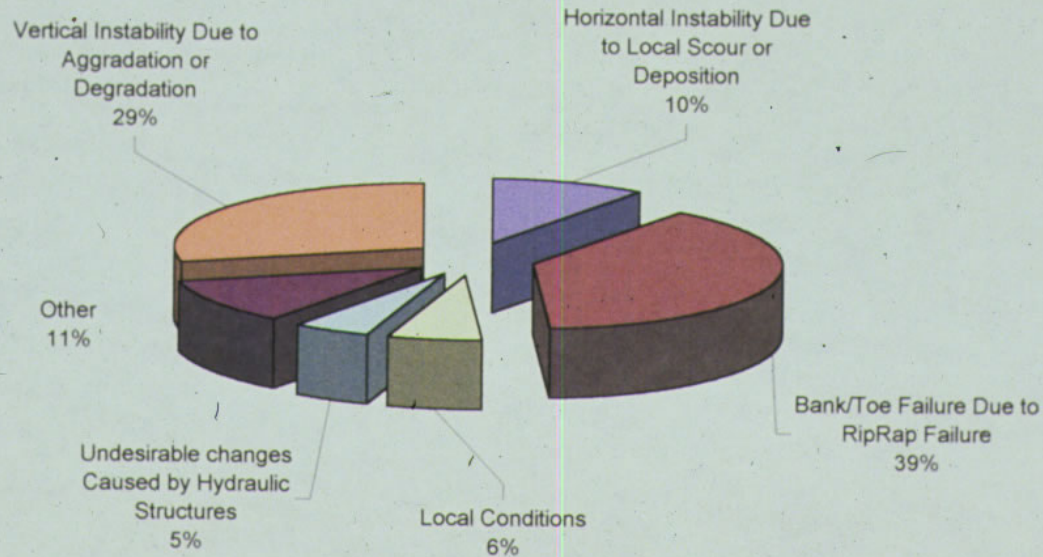


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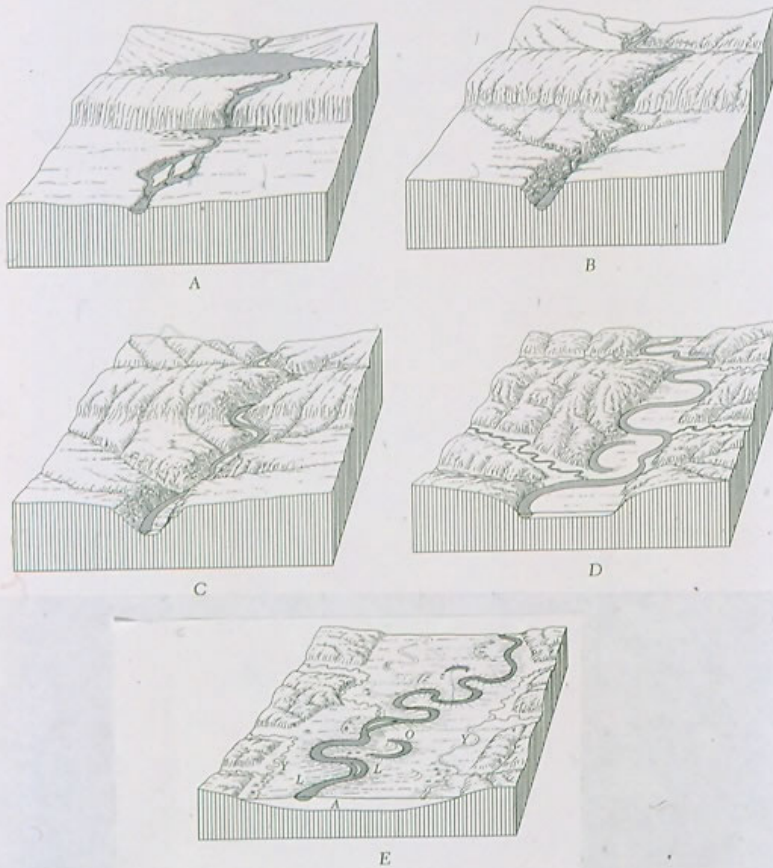


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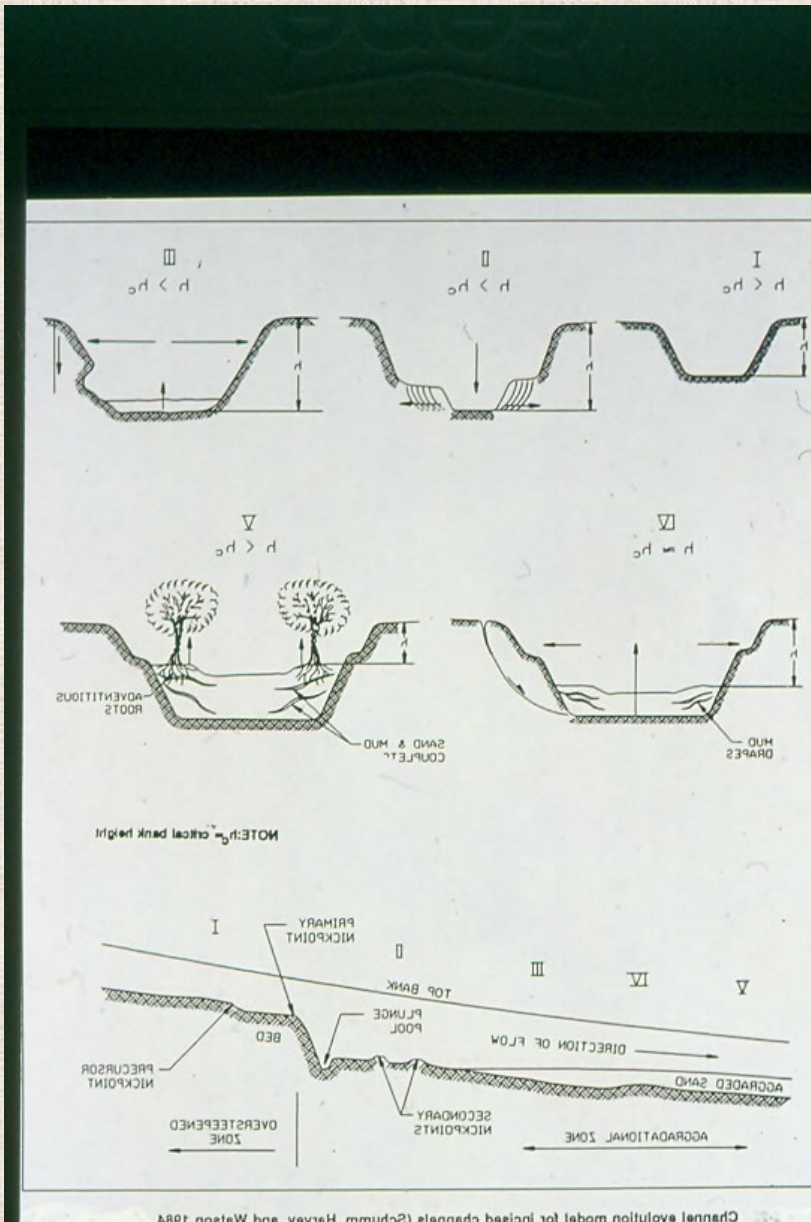
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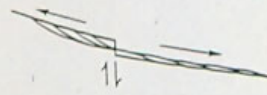
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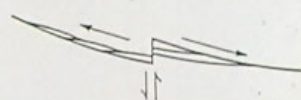


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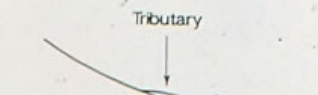


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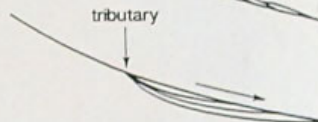
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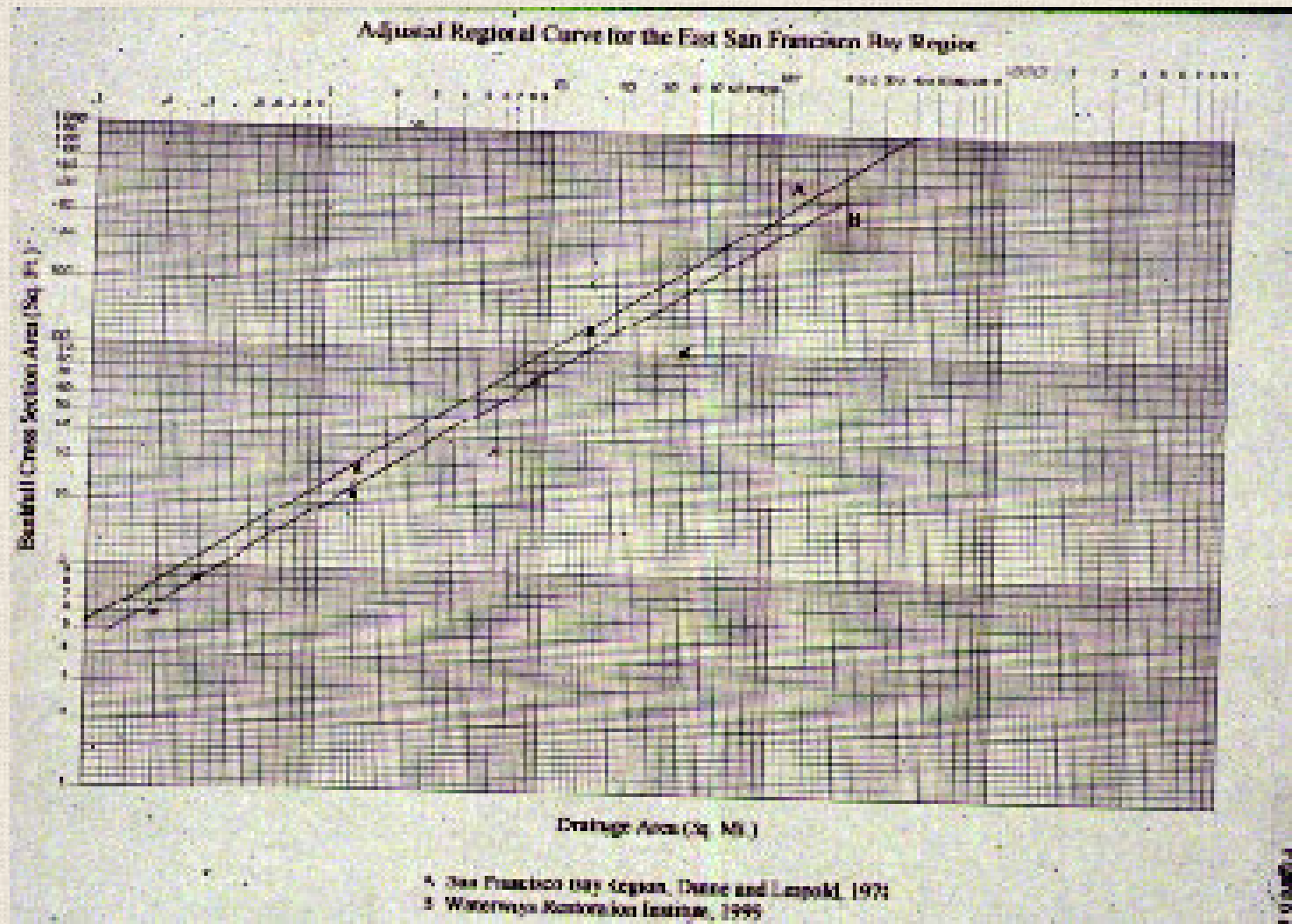


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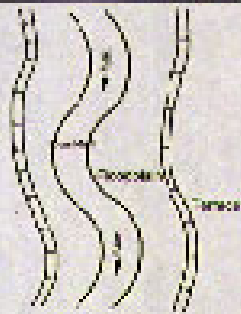


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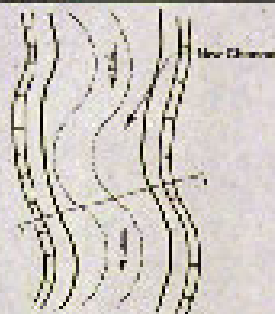
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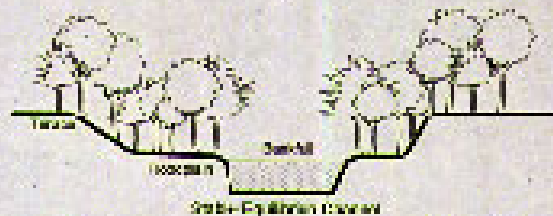
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