

**Pilot Project - Atmospheric Precipitation -
Protection and efficient use of Fresh Water:
Integration of Natural Water Retention
Measures in River basin management**

Service contract n°ENV.D.1/SER/2013/0010

**“Natural Water Retention Measures for
Sustainable Flood Management: Linking
Lawscapes to Landscapes and Cities to
Catchments”**

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Points to Think About

Landscape vs Lawscape

Green vs. Grey

City vs. Catchment

Reductionist vs. Holist

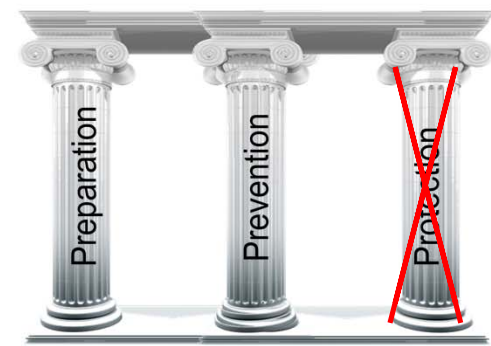
Winners vs. Losers

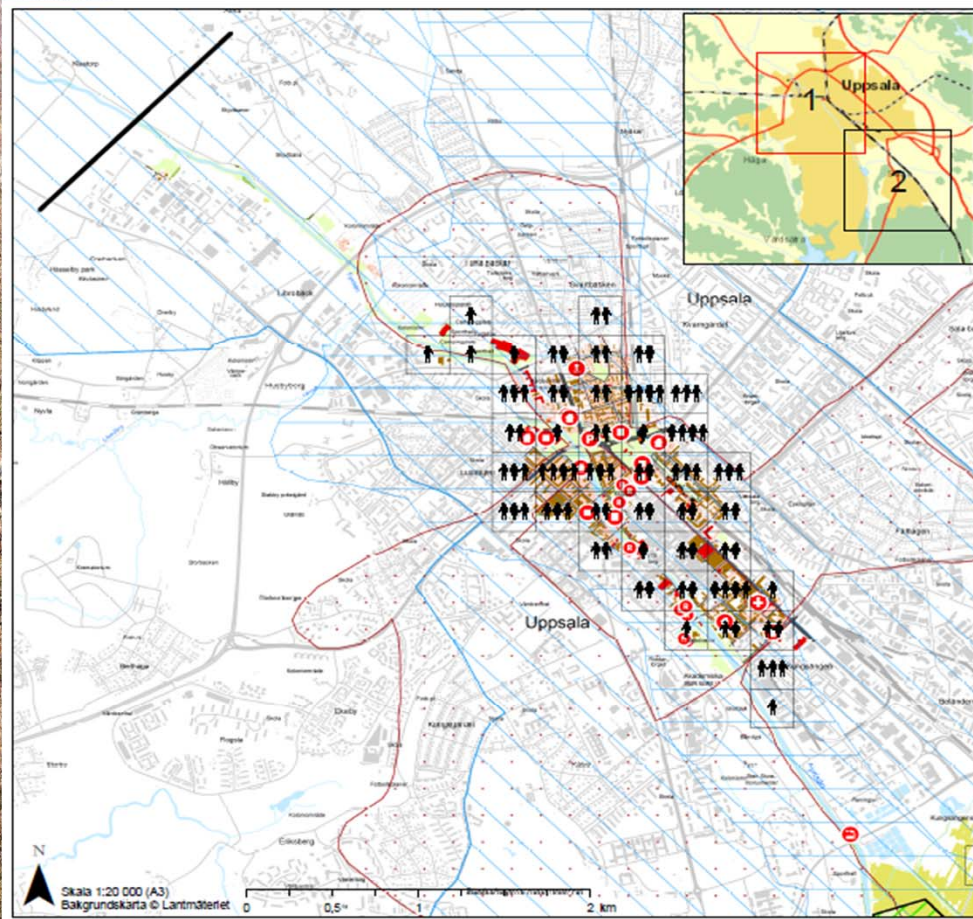
Multi-functional vs. Flood control

Sustainable Flood Management



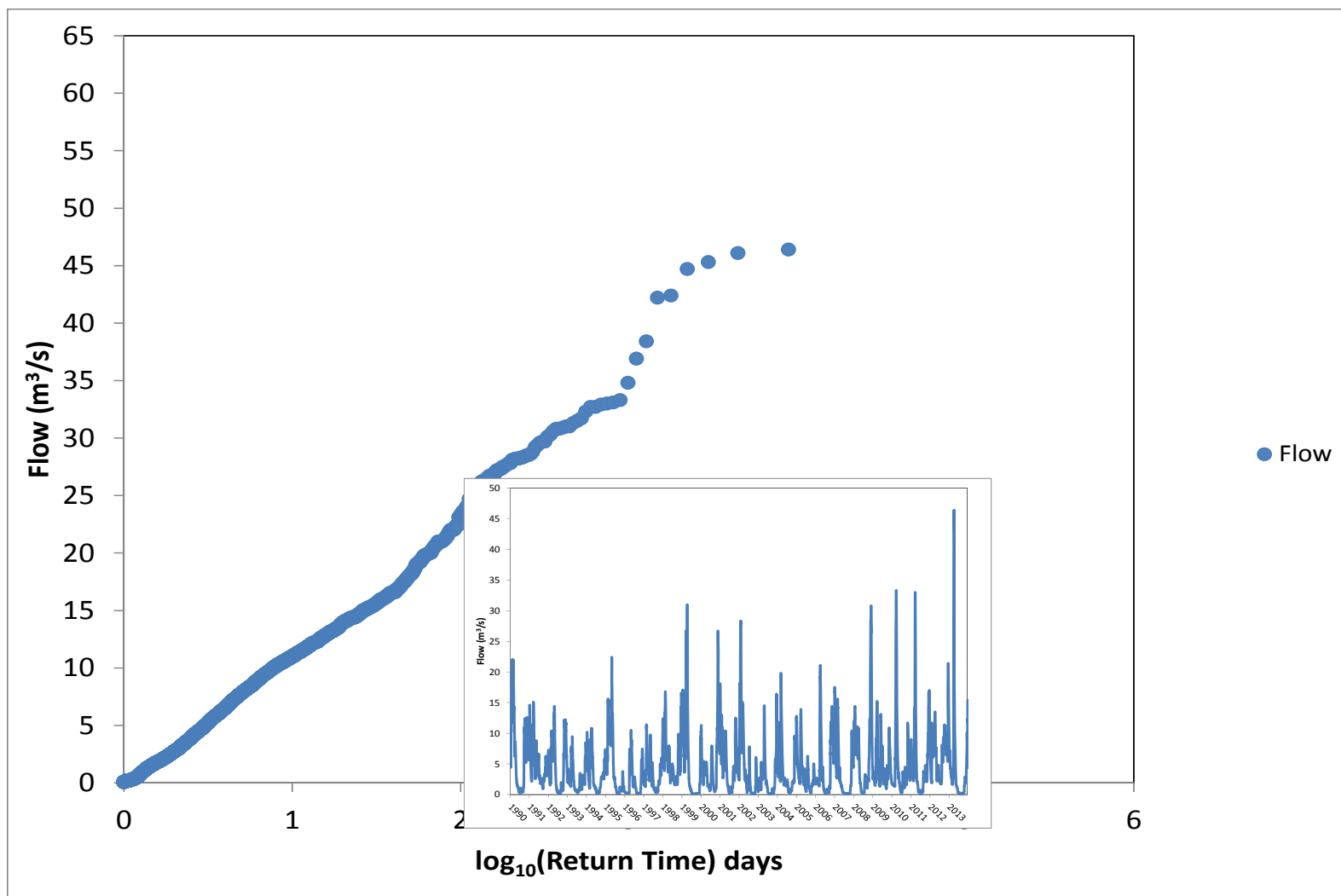
Limited Possibilities for Protection



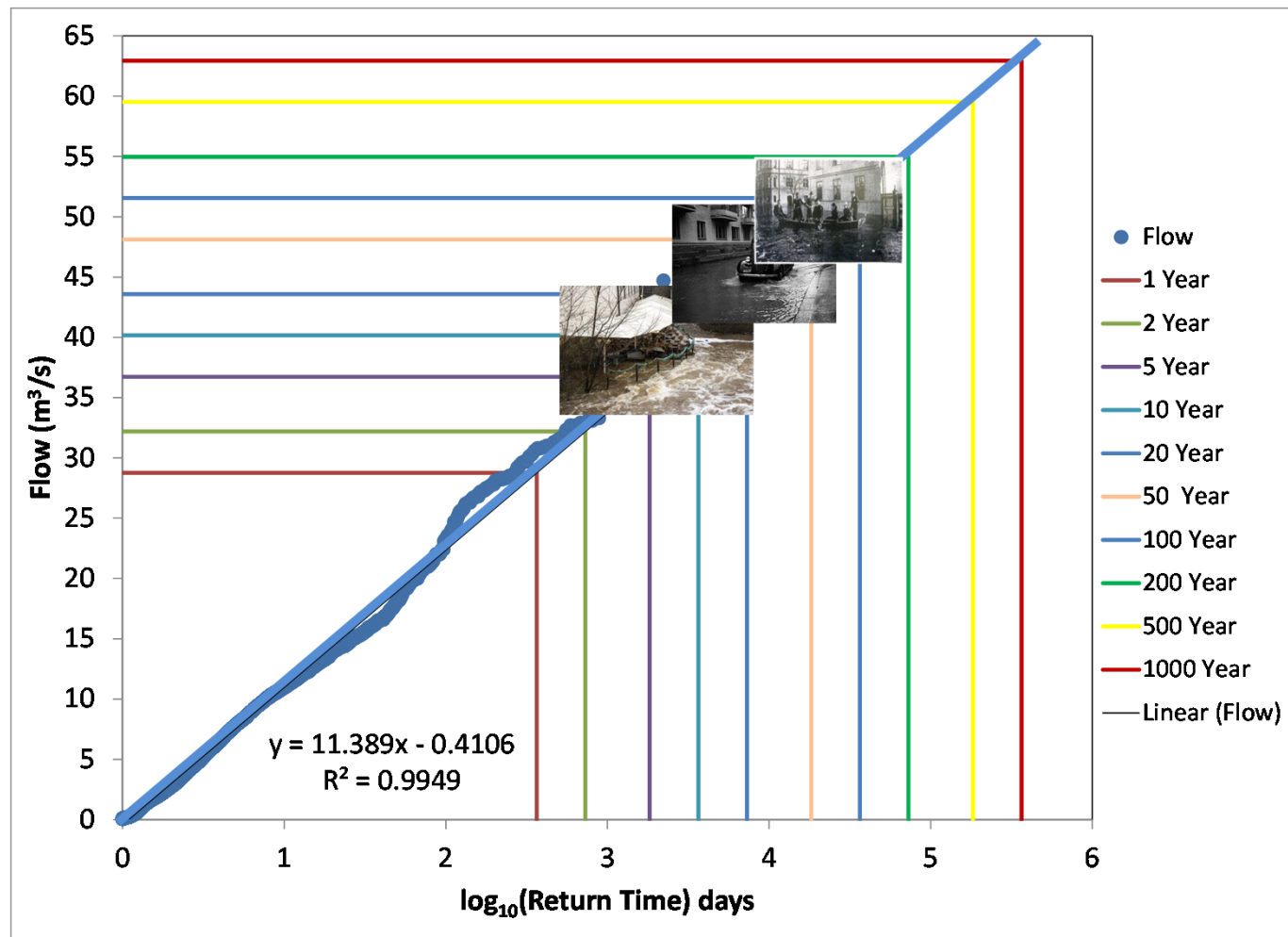




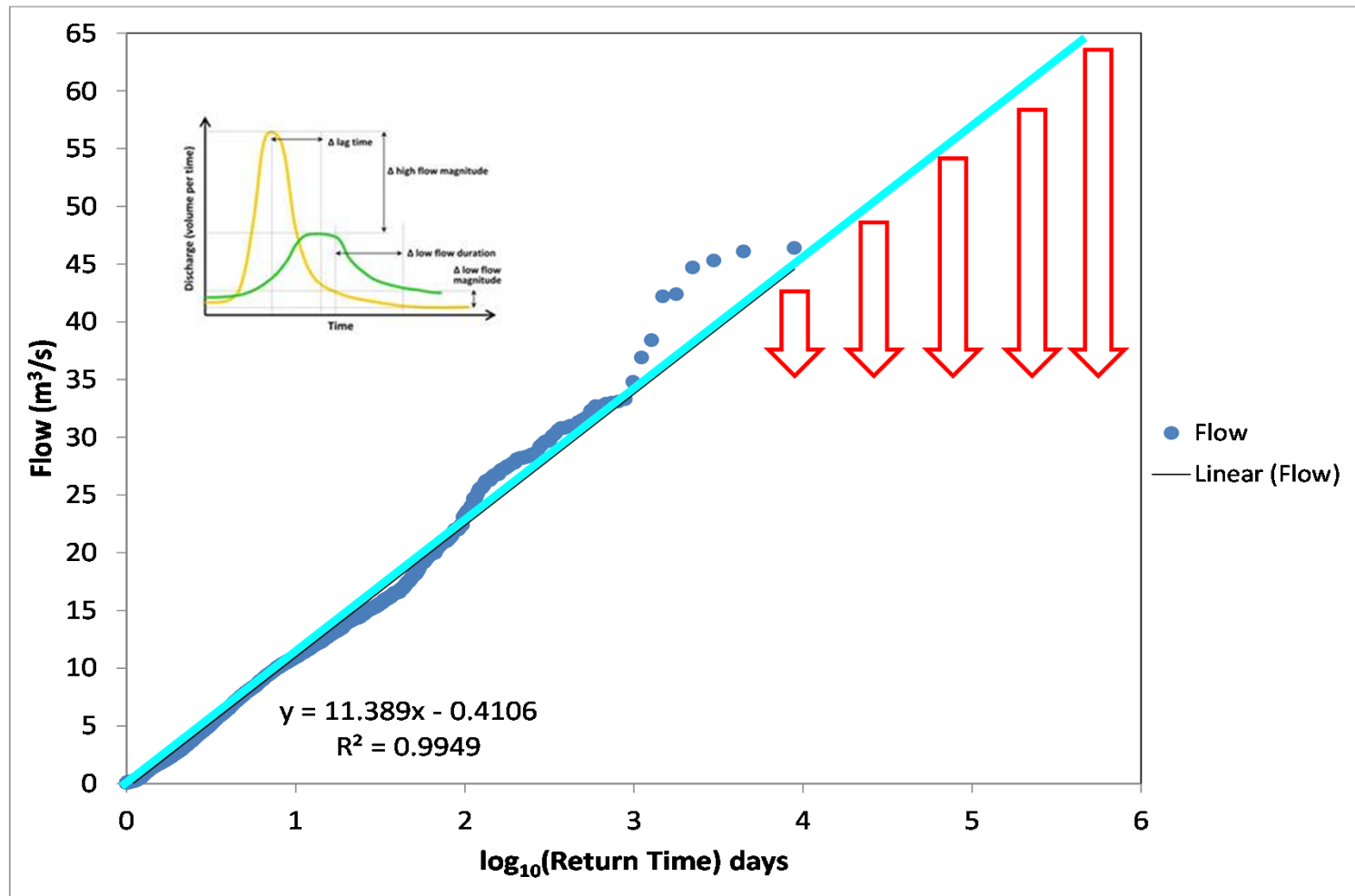
Cumulative Flow Exceedances



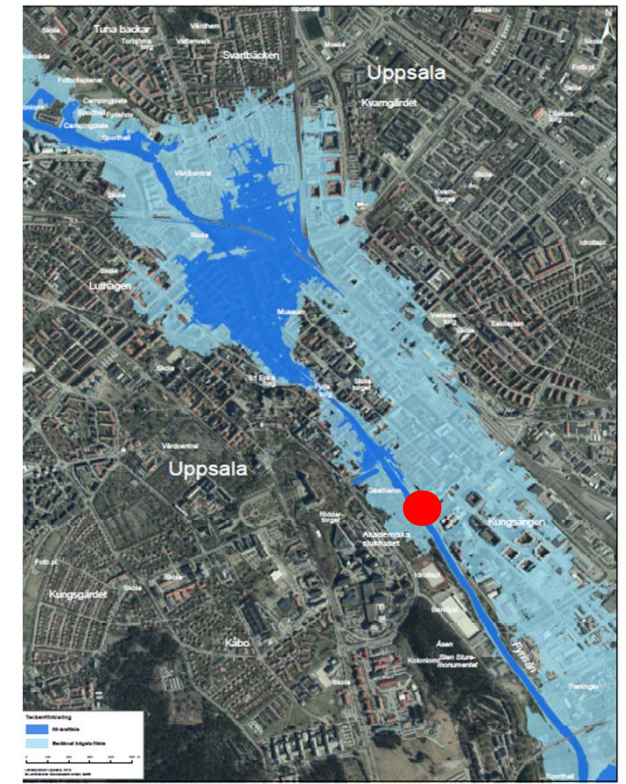
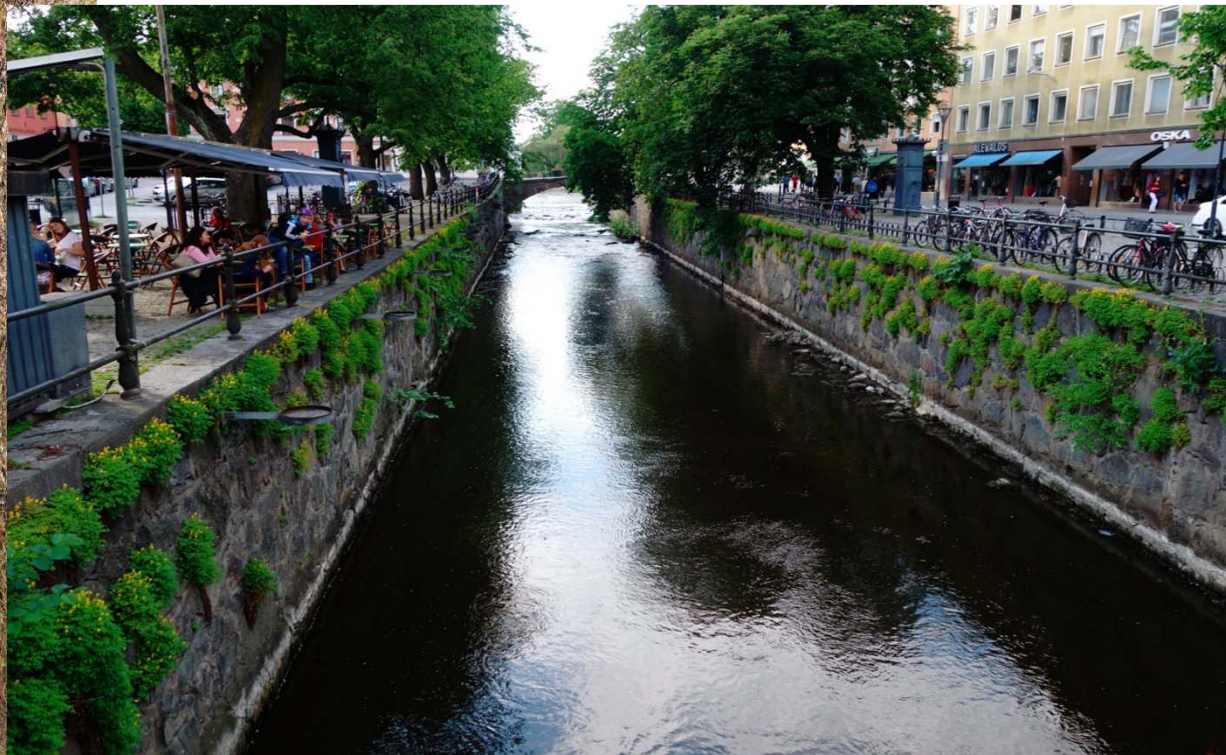
Cumulative Flow Exceedances



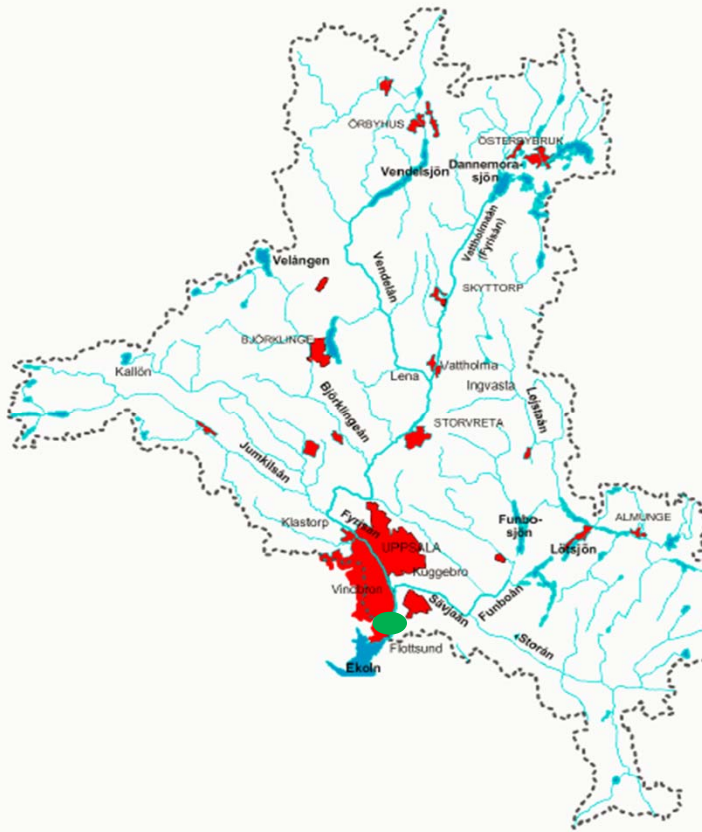
Goal of Flood Prevention: Reduce the Frequency of High Flow Events



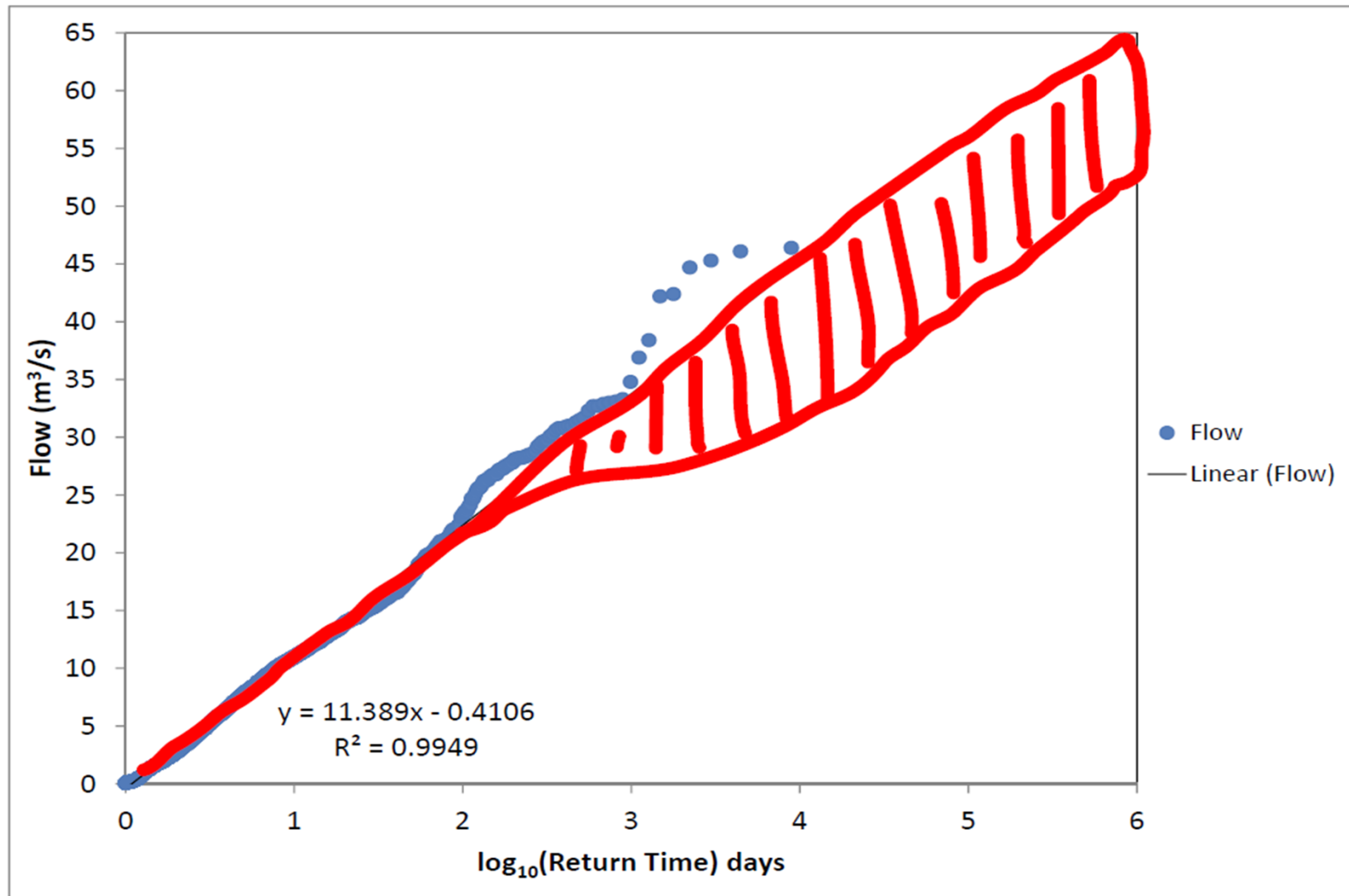
Making Room for the River



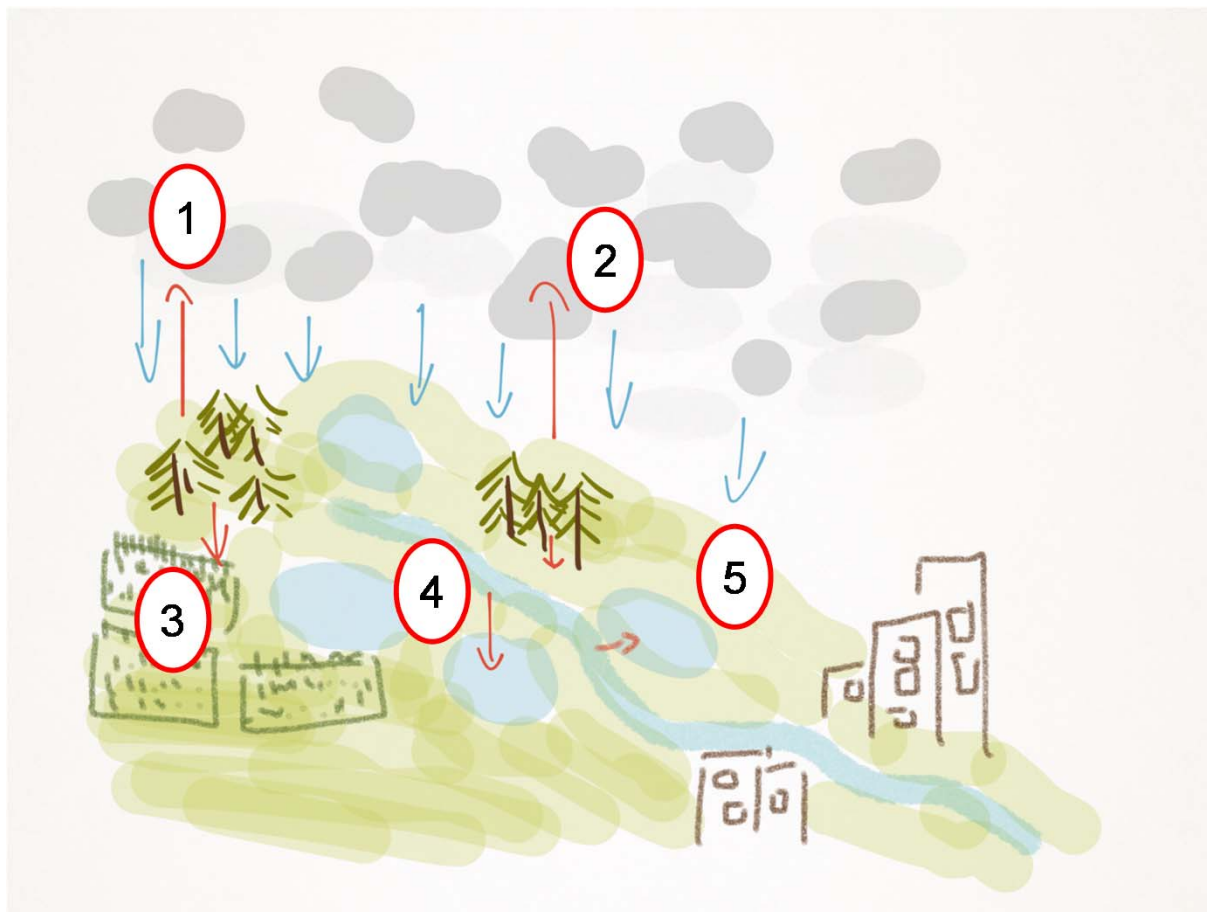
Making Room for the River



"Making Room for the River" : Possible Effects on Flow Exceedances

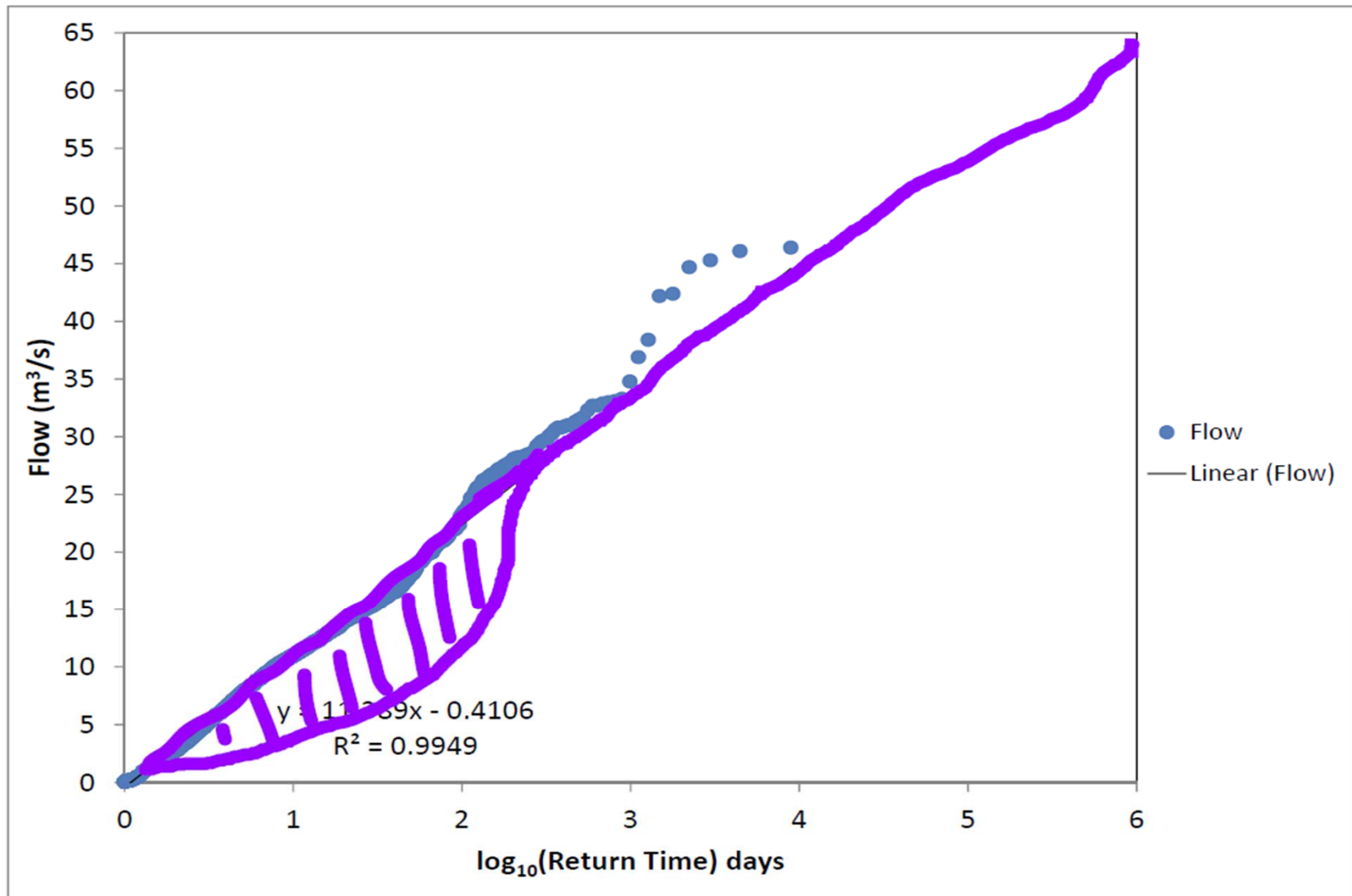


Keeping Rain Where it Falls

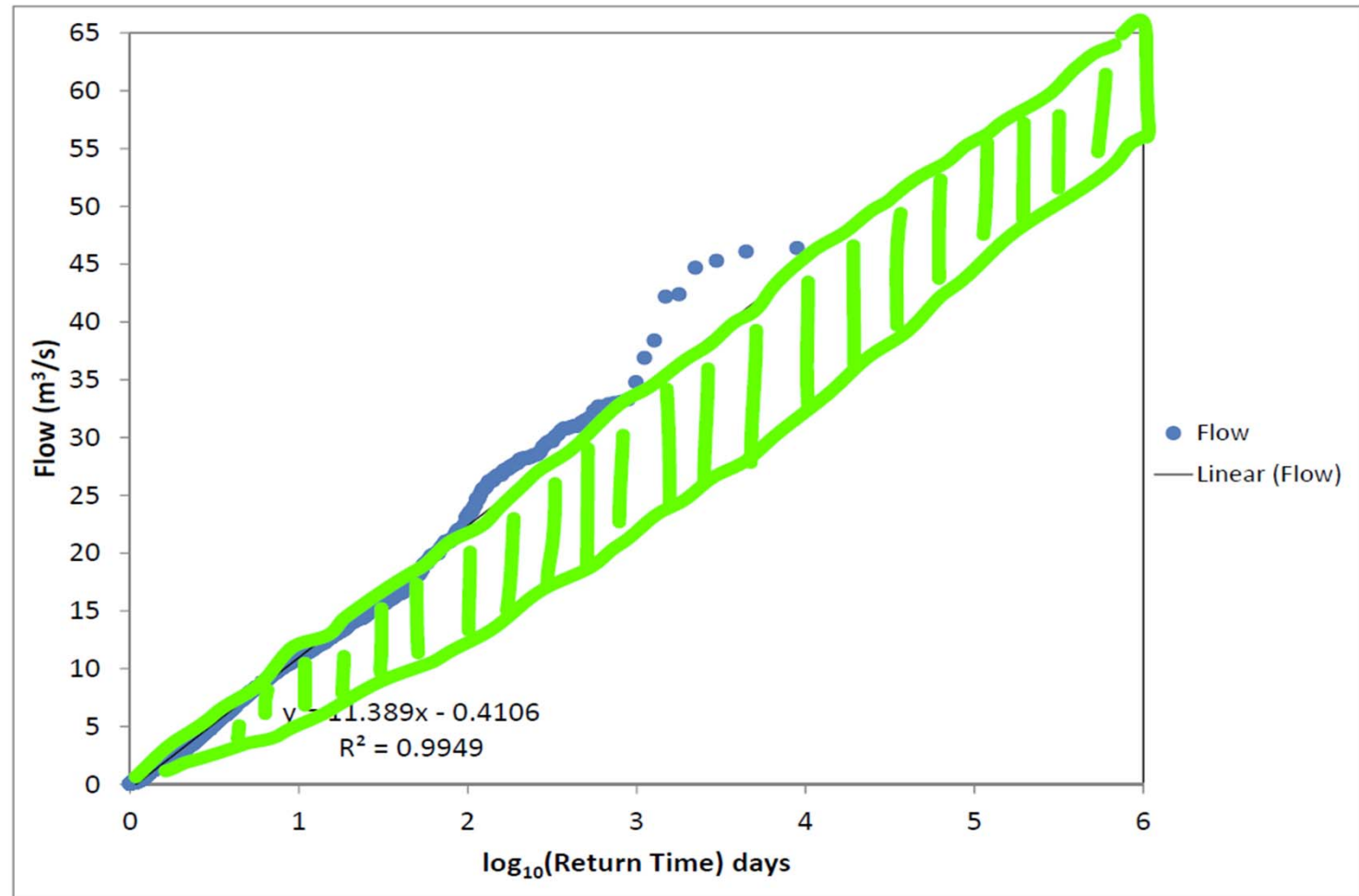


- 1: Increased Interception
- 2: More Transpiration
- 3: Improved Infiltration
- 4: Ponds and Wetlands
- 5: Reconnecting the floodplain

"Keeping the rain where it falls": Possible Effects on Flow Exceedances



Catchment-scale NWRM: Possible Effects on Flow Exceedances





Some Open Questions about NWRM

Landscape vs Lawscape

Green vs. Grey

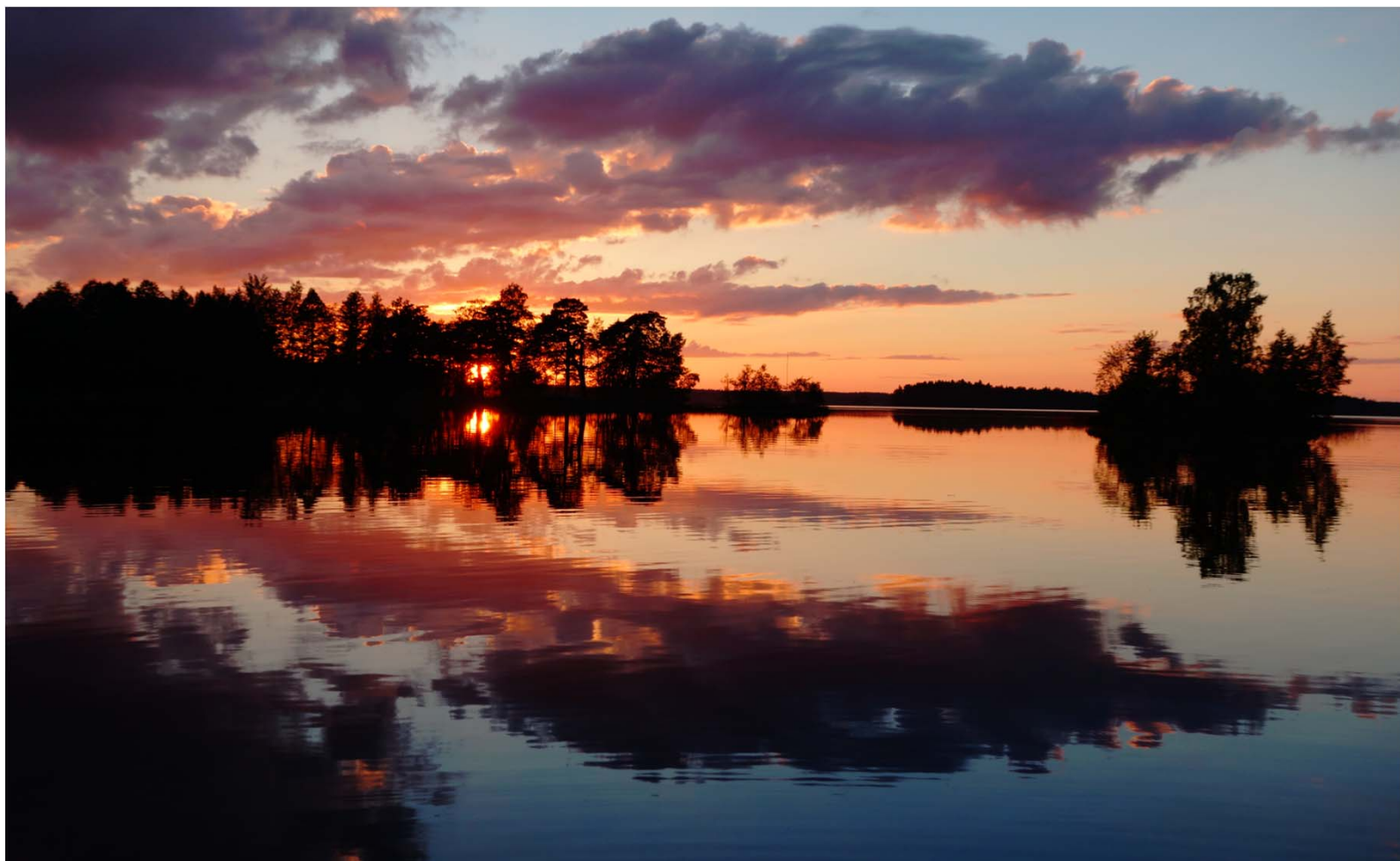
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Multi-functional vs. Flood control

Thank you



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