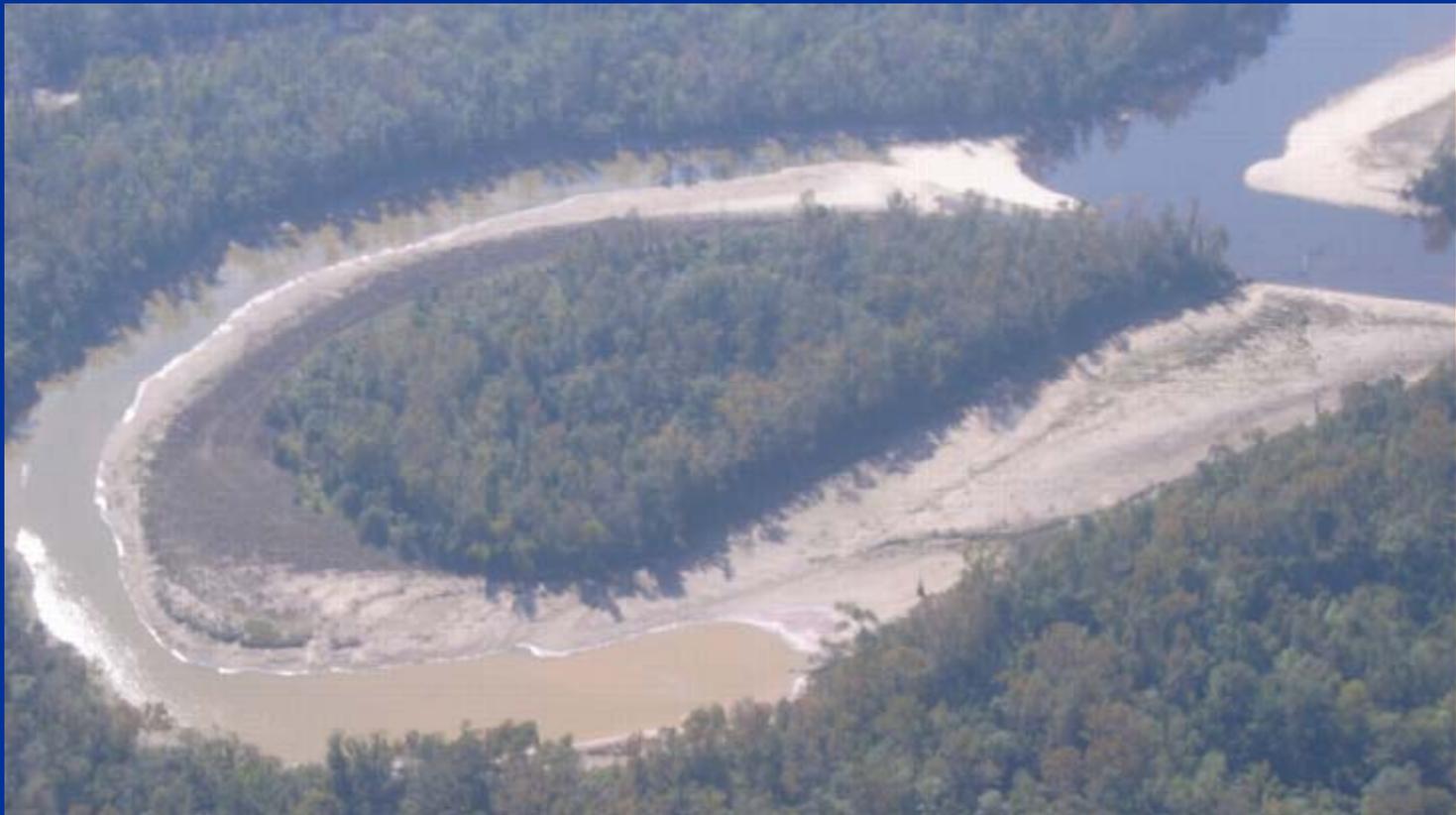


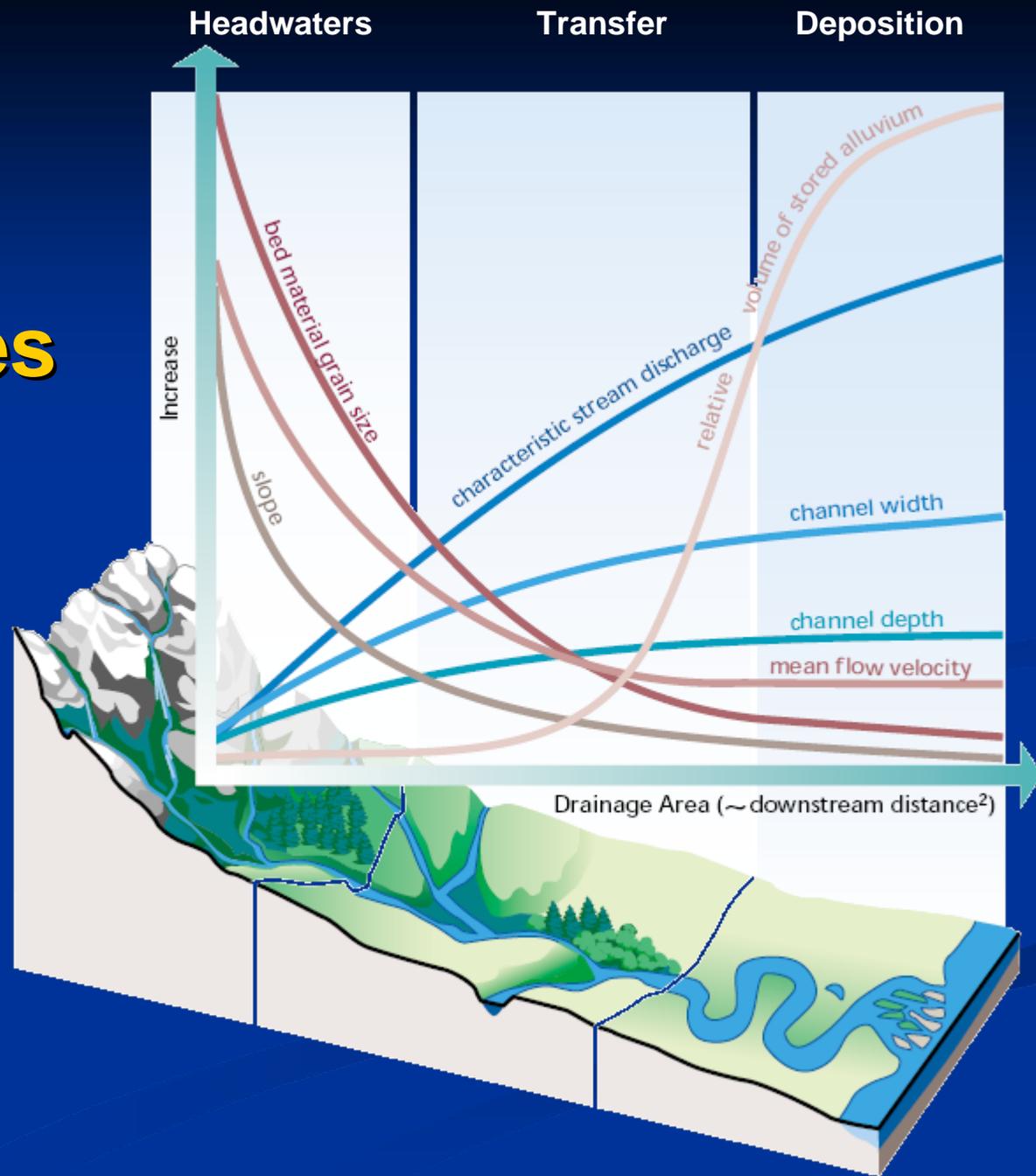
Technical Study Summaries: Lower Sabine River

Geomorphic Data



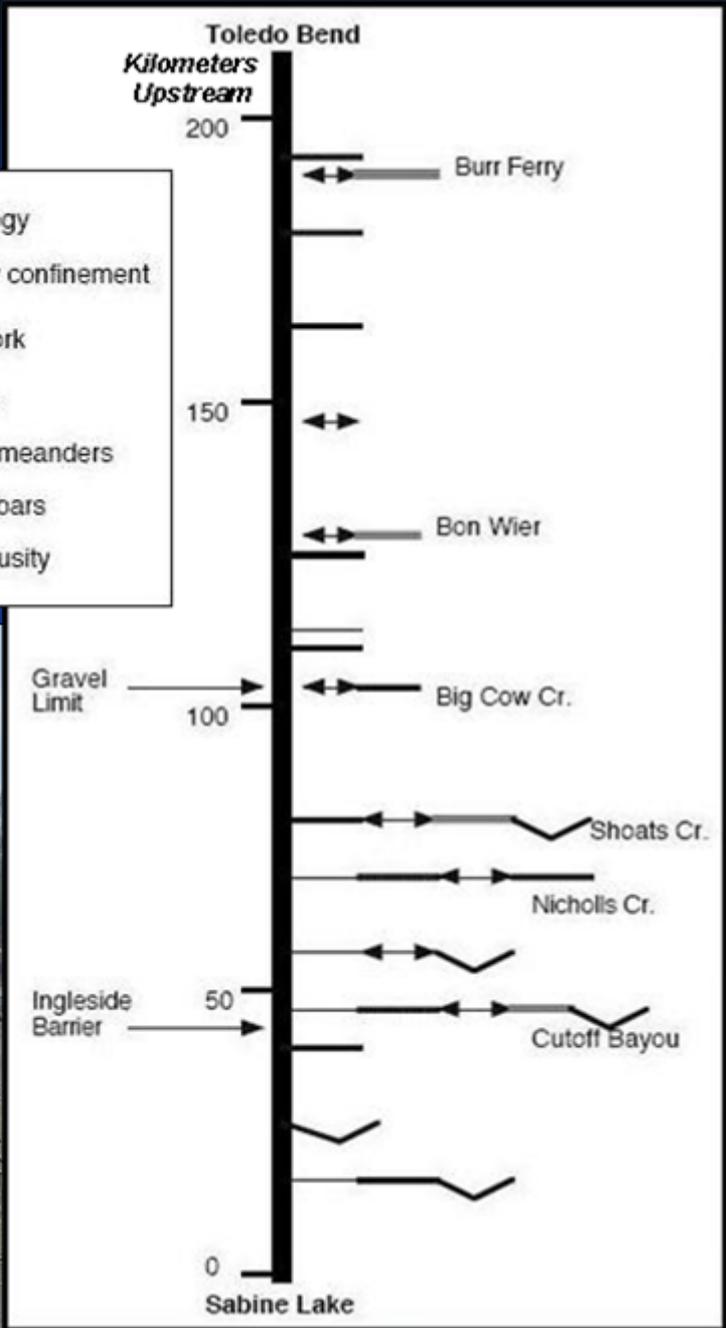
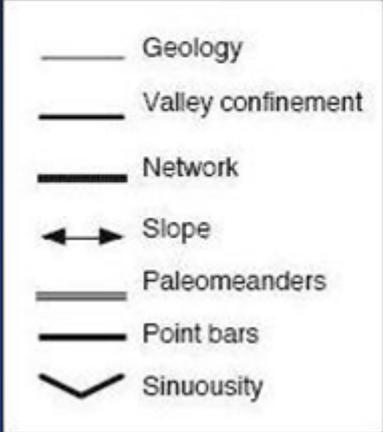
General Zones of a River

FISRWG (1998)

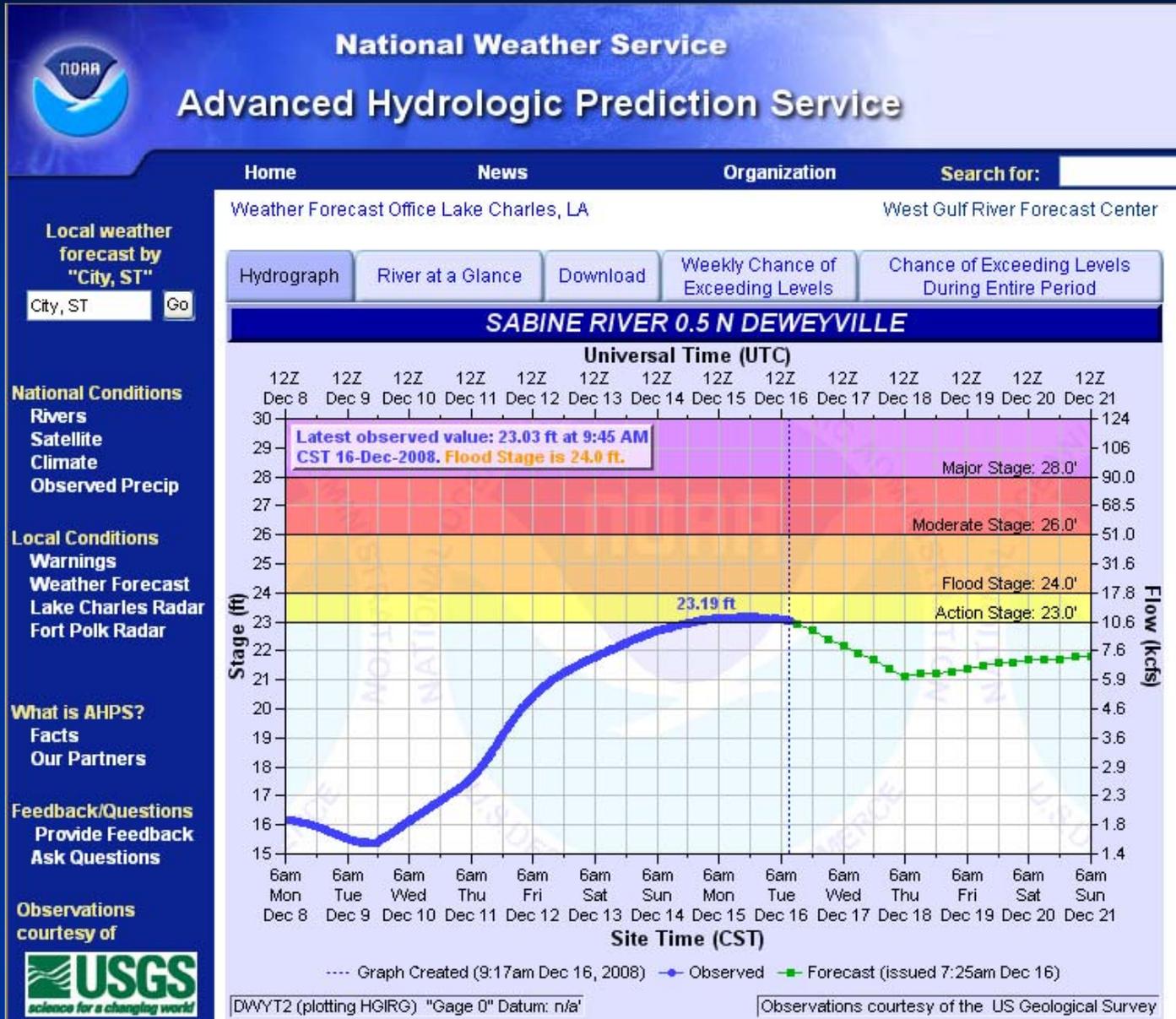


Geomorphic Process Zones

Phillips (2008)



Negative Impact of Overbank Flows



Negative Impact of Overbank Flows

Flood Categories (in feet)

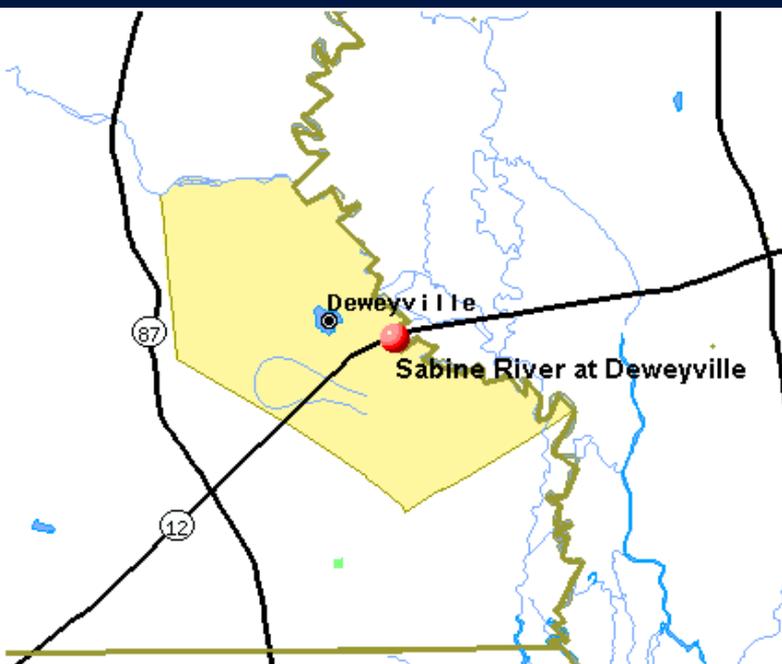
Major Flood Stage:	28
Moderate Flood Stage:	26
Flood Stage:	24
Action Stage:	23

Historical Crests

- (1) 32.20 ft on 05/01/1884
 - (2) 29.98 ft on 05/22/1953
 - (3) 29.50 ft on 04/29/1913
 - (4) 29.15 ft on 07/06/1989
 - (5) 29.10 ft on 08/01/1988
- [Show More Historical Crests](#)

Low Water Records

- (1) -10.3 ft on 08/25/1948
 - (2) 12.8 ft on 10/15/1980
 - (2) 12.8 ft on 10/06/1981
- [Show More Low Water Records](#)

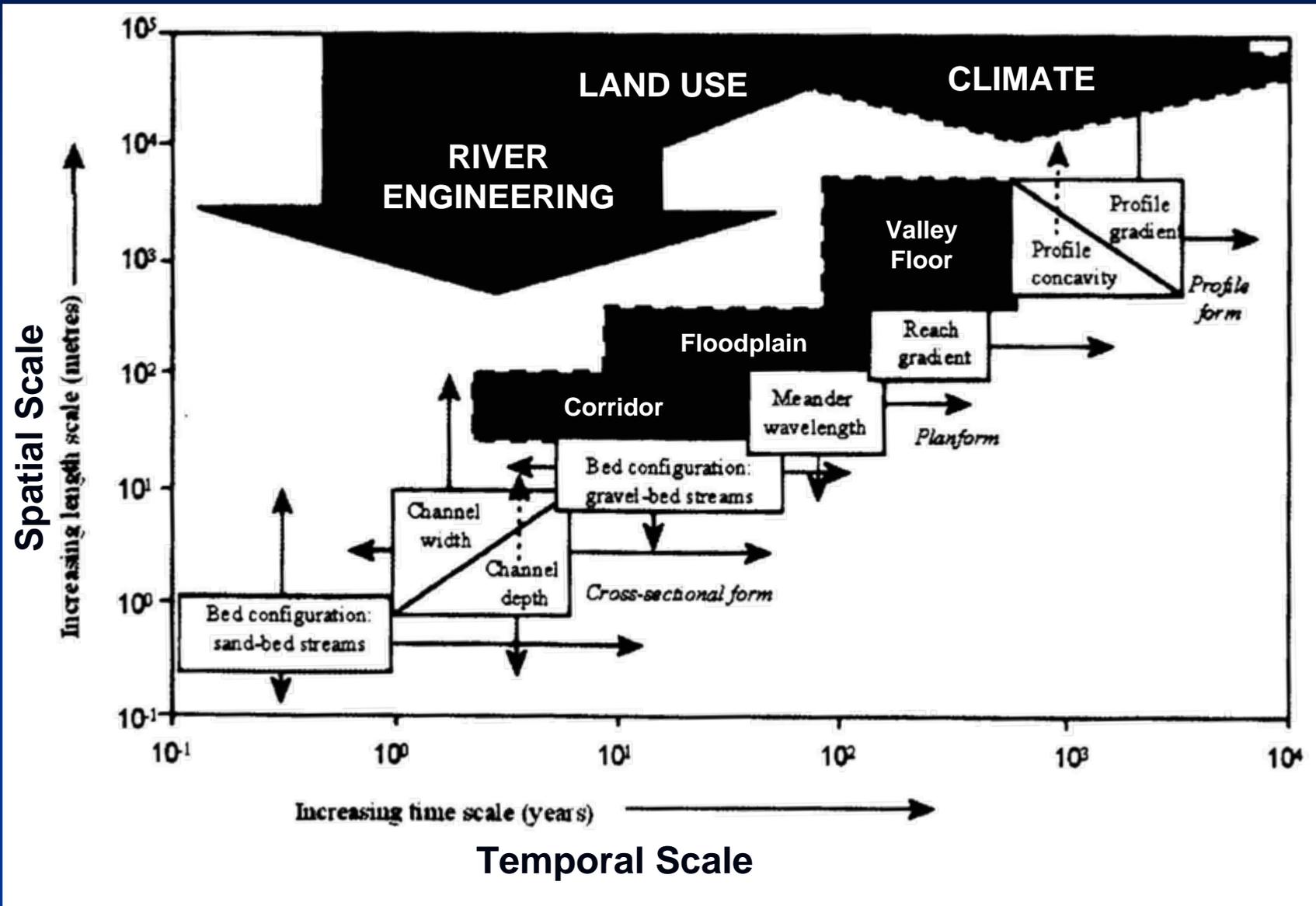


Flood Impacts



- 32.7 THE RIVER HAS REACHED ITS UNOFFICIAL HIGHEST GAGE READING PREVIOUSLY SET IN MAY 1884. WIDESPREAD CATASTROPHIC FLOODING WILL OCCUR.
- 30.0 THE RIVER IS AT ITS FLOOD OF RECORD. WIDESPREAD MAJOR TO CATASTROPHIC FLOODING WILL OCCUR.
- 29.0 MAJOR FLOODING OCCURRING LEAVING THE TOWN OF DEWEYVILLE ISOLATED. NUMEROUS HOMES ARE FLOODED.
- 27.0 WIDESPREAD MODERATE LOWLAND FLOODING WILL OCCUR. HOMES IN DEWEYVILLE CLOSEST TO THE RIVER ARE FLOODED. FLOODING OF HOMES IN THE INDIAN LAKES AND RIVER OAKS SECTIONS WILL ALSO OCCUR. LOW-LYING ROADS AND A FEW HOMES IN SOUTHWEST BEAUREGARD PARISH HAVE SOME FLOODING.
- 26.0 MODERATE LOWLAND FLOODING WILL OCCUR. THE LOWEST HOMES BETWEEN DEWEYVILLE AND THE RIVER BEGIN TO FLOOD... ESPECIALLY IN THE INDIAN LAKES AND RIVER OAKS SECTIONS. LOW-LYING ROADS AND A FEW HOMES IN SOUTHWESTERN BEAUREGARD PARISH HAVE SOME FLOODING.

The Importance of Scale



Statewide Objectives



Geomorphology

- **Examine status of geomorphic processes within the system**



Lower Sabine River Geomorphology Objectives

- **Protect/enhance current fluvial geomorphologic processes that create natural habitat.**



Lower Sabine River Geomorphology Indicators

- **Bank stability**
 - Rate of channel migration
 - Rate of channel avulsion
 - Rate of bank erosion
- **Channel maintenance**
 - In-channel bars
 - Meander pools
- **Flood Impacts:** Stage