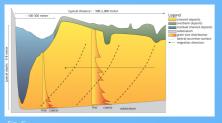
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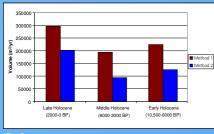
- Holocene overbank sedimentation rates calculated by using formula:
 SEDIMENTATION RATE (m³/yr) = (AREA * THICKNESS) / DEPOSITION TIME

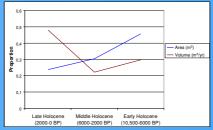
 AREA (Fig. 3): is the reconstructed area of overbank deposition for the time slices Reconstruction based on geomorphological map (Fig. 2)

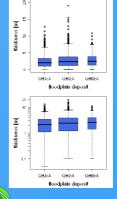
 THICKNESS: calculated using two methods:
 Method 1: Mean thickness queried from digital database Method 2: Mean thickness measured from cross-sections



Early Holocene (10,500-6000 BP)







The size of the increase (150-200 %) exceeds amplitudes expected from intra-Holocene climatic forcing: human impact is the primary cause of the observed enhanced sediment delivery. Early human land use in central Germany was already capable of modifying floodplain sedimentation in the Rhine trunk valley from at least Roman times onwards.

