

Table 1 Biological components processed in the Pilot project Stever in 2005/2006.

Biological quality components	Sampling method	Assessment tool
Macroinvertebrates	Multi habitat sampling (PERLODES) ⁴	Module Saprobic Index German: Saprobic Index (DIN 38410) ⁵ , type-specific
		Module General Degradation: Multi-metric index (ASTERICS) ⁶
Macrophytes	according to NRW method ⁷	2 assessment tools applied: PHYLIB ⁸ and van de Weyer ⁷
Fish	FiBS ^{9,10}	FiBS (multi-metric index)

Table 2 Results of the monitoring of the quality components macroinvertebrates and macrophytes within the pilot project Stever (German assessment systems Phylib and Perloides) for all water bodies investigated.

Macroinvertebrates and macrophytes				
Name	No. of surface water body	Macroinvertebrates		Macrophytes
		Quality class Module Saprobic Index	Quality class Module General Degradation	Quality class Macrophytes
Aabach	DE_NRW_278852_0	good	good	high
Boombach	DE_NRW_278882_0	good	good	_b
Funne	DE_NRW_27886_0	good	bad	_b
Gronenbach	DE_NRW_2788512_0	good	good	poor
Hagenbach	DE_NRW_278844_0	good	poor	high
Helmerbach	DE_NRW_27882_0	good	bad	good
Heubach	DE_NRW_27888_0	good	moderate	_b
Heubach	DE_NRW_27888_9149	good	good	moderate
Kannebrocksbach	DE_NRW_278884_0	good	moderate	good
Kettbach	DE_NRW_2788812_0	good	moderate ^a	moderate
Kleuterbach	DE_NRW_27884_0	good	moderate	moderate
Kleuterbach	DE_NRW_27884_5389	good	moderate	poor
Nonnenbach	DE_NRW_278834_0	good	poor	high
Passbach	DE_NRW_278872_0	good	good	_b
Stever	DE_NRW_2788_0	good	poor	_b
Stever	DE_NRW_2788_11775	good	poor	moderate
Stever	DE_NRW_2788_5294	good	poor	bad
Stever	DE_NRW_2788_54378	good	moderate	_b
Teufelsbach	DE_NRW_278856_0	good	good	poor ^c
Teufelsbach	DE_NRW_278856_4692	good	poor	_b
Erkumer Mühlenb.	DE_NRW_278876_0	good ^d	good ^d	_b
Fleisenbach	DE_NRW_278842_0	good ^d	poor ^a	_b
Gorbach	DE_NRW_2788562_0	good ^d	poor ^a	_b
Hagenbach	DE_NRW_2788342_0	good ^d	poor ^a	_b
Hagenbach	DE_NRW_2788342_5500	good ^d	moderate ^a	_b
Nonnenbach	DE_NRW_278834_2800	good ^d	poor ^a	_b
Passbach	DE_NRW_278872_8500	good ^d	poor ^a	_b
Stever	DE_NRW_2788_44578	good ^d	poor ^a	poor ^c
Teufelsbach	DE_NRW_278856_8847	good ^d	moderate ^a	_b
Dümmer	DE_NRW_278832_0	moderate	poor ^a	_b
Dümmer	DE_NRW_278832_2500	moderate	poor	poor
Funne	DE_NRW_27886_3388	moderate	poor	_b
Gronenbach	DE_NRW_2788512_4391	moderate	poor ^a	_b
Hagenbach	DE_NRW_278844_6610	moderate	moderate ^a	high
Helmerbach	DE_NRW_27882_8000	moderate	bad	_b
Kiffertbach	DE_NRW_278886_0	moderate	good	high
Kleuterbach	DE_NRW_27884_18409	moderate	poor	_b
Nonnenbach	DE_NRW_278834_11600	moderate	moderate	_b
Nonnenbach	DE_NRW_278834_15700	moderate	moderate	high
Stever	DE_NRW_2788_34078	moderate	bad	good
Stever	DE_NRW_2788_39378	moderate	poor	good
Aabach	DE_NRW_278852_6392	moderate ^a	poor ^a	_b
Beverbach	DE_NRW_278854_0	moderate ^a	good ^d	_b
Beverbach	DE_NRW_278854_5488	moderate ^a	poor ^a	_b
Bünebach	DE_NRW_2788842_0	moderate ^a	moderate ^a	poor
Bünebach	DE_NRW_2788842_10300	moderate ^a	poor ^a	_b
Erkumer Muehlenb.	DE_NRW_278876_1701	moderate ^a	poor ^a	_b
Fleisenbach	DE_NRW_278842_3720	moderate ^a	poor ^a	_b
Kiffertbach	DE_NRW_278886_6600	moderate ^a	poor ^a	_b
Boombach	DE_NRW_278882_4000	bad	bad	poor
Stever	DE_NRW_2788_2317	<i>no investigation for rivers possible (reservoir)</i>		
Stever	DE_NRW_2788_7252	<i>no investigation (dried up)</i>		
Aabach	DE_NRW_278852_3992			
Funne	DE_NRW_27886_18488	<i>no investigation (dried up)</i>		

^a result was transferred from a neighbouring waterbody with comparable characteristics

^b not investigated / not assessable

^c more than one result of investigation per waterbody ("worst case")

