

Verursacher und Auswirkungen bei Inanspruchnahme von Ausnahmen im deutschen Teil der Flussgebietseinheit Warnow/Peene

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Herausgeber:

Landesamt für Umwelt, Naturschutz und Geologie Mecklenburg-Vorpommern,
Flussgebietseinheit Warnow/Peene

Die unten stehenden Auflistungen zeigen die im Flusseinzugsgebiet Warnow/Peene relevanten Verursacher und Auswirkungen auf. In den nachfolgenden Kreuztabellen sind Angaben zu den spezifischen Verursacher/Auswirkungskombinationen der jeweiligen Wasserkörperkategorie gemacht, die für die Verfehlung der Umweltziele und Inanspruchnahme von Ausnahmen verantwortlich sind. Da Wasserkörper mehr als eine Verursacher/Auswirkungskombination aufweisen können, wird durch die Aufsummierung der Zahlenangaben nicht die Anzahl an Wasserkörpern, die die Umweltziele verfehlen angegeben.

Verursacher in der FGG Warnow/Peene:

- Agriculture
- Energy - hydropower
- Energy - non-hydropower
- Fisheries and aquaculture
- Flood protection
- Forestry
- Industry
- Tourism and recreation
- Transport
- Urban development
- Unknown - other

Auswirkungen in der FGG Warnow/Peene:

- Altered habitats due to morphological changes (includes connectivity)
- Chemical pollution
- Nutrient pollution

Tab. 1.1: Verursacher-Auswirkungs-Kombinationen für WK im nicht guten ökologischen Zustand/Potenzial (Anzahl OWK der Kategorie „Fließgewässer“)

DRIVER	Agriculture	Climate change	Energy – hydropower	Energy – non-hydropower	Fisheries and aquaculture	Flood protection	Forestry	Industry	Tourism and recreation	Transport	Urban development	Unknown - other
Abstraction exceeds available groundwater resource (lowering water table)												
Acidification												
Alterations in flow directions resulting in saltwater intrusion												
Altered habitats due to hydrological changes												
Altered habitats due to morphological changes (includes connectivity)	473		25			108		1	10	1	92	1
Chemical pollution												
Damage to groundwater-dependent terrestrial ecosystems for chemical / quantitative reasons												
Diminution of quality of associated surface waters for chemical / quantitative reasons												
Elevated temperatures												
Litter (an impact under the MSFD)												
Microbiological pollution												
No significant impact												
Not applicable (Territorial Waters)												
Nutrient pollution	387				1		29			105	447	7
Organic pollution												
Other significant impact type												
Saline pollution/intrusion												
Unknown impact type												

driversFailureEcologicalStatusPotentialReference

Tab. 1.2: Verursacher-Auswirkungs-Kombinationen für WK im nicht guten ökologischen Zustand/ Potenzial (Anzahl OWK der Kategorie „See“)

DRIVER	Agriculture	Climate change	Energy – hydropower	Energy – non-hydropower	Fisheries and aquaculture	Flood protection	Forestry	Industry	Tourism and recreation	Transport	Urban development	Unknown - other
Abstraction exceeds available groundwater resource (lowering water table)												
Acidification												
Alterations in flow directions resulting in saltwater intrusion												
Altered habitats due to hydrological changes												
Altered habitats due to morphological changes (includes connectivity)												
Chemical pollution												
Damage to groundwater-dependent terrestrial ecosystems for chemical / quantitative reasons												
Diminution of quality of associated surface waters for chemical / quantitative reasons												
Elevated temperatures												
Litter (an impact under the MSFD)												
Microbiological pollution												
No significant impact												
Not applicable (Territorial Waters)												
Nutrient pollution	26											
Organic pollution												
Other significant impact type												
Saline pollution/intrusion												
Unknown impact type												

driversFailureEcologicalStatusPotentialReference

Tab. 1.3: Verursacher-Auswirkungs-Kombinationen für WK im nicht guten ökologischen Zustand/Potenzial (Anzahl OWK der Kategorie „Küstengewässer“)

DRIVER	Agriculture	Climate change	Energy – hydropower	Energy – non-hydropower	Fisheries and aquaculture	Flood protection	Forestry	Industry	Tourism and recreation	Transport	Urban development	Unknown - other
Abstraction exceeds available groundwater resource (lowering water table)												
Acidification												
Alterations in flow directions resulting in saltwater intrusion												
Altered habitats due to hydrological changes												
Altered habitats due to morphological changes (includes connectivity)						2				2		
Chemical pollution												
Damage to groundwater-dependent terrestrial ecosystems for chemical / quantitative reasons												
Diminution of quality of associated surface waters for chemical / quantitative reasons												
Elevated temperatures												
Litter (an impact under the MSFD)												
Microbiological pollution												
No significant impact												
Not applicable (Territorial Waters)												
Nutrient pollution	21										7	
Organic pollution												
Other significant impact type												
Saline pollution/intrusion												
Unknown impact type												

driversFailureEcologicalStatusPotentialReference

Tab. 2.1: Verursacher-Auswirkungs-Kombinationen für WK bei Inanspruchnahme von Ausnahmen (Anzahl OWK der Kategorie „**Fließgewässer**“)

DRIVER	Agriculture	Climate change	Energy – hydropower	Energy – non-hydropower	Fisheries and aquaculture	Flood protection	Forestry	Industry	Tourism and recreation	Transport	Urban development	Unknown - other
Abstraction exceeds available groundwater resource (lowering water table)												
Acidification												
Alterations in flow directions resulting in saltwater intrusion												
Altered habitats due to hydrological changes												
Altered habitats due to morphological changes (includes connectivity)	473		25			108		1	10	1	92	
Chemical pollution				495								
Damage to groundwater-dependent terrestrial ecosystems for chemical / quantitative reasons												
Diminution of quality of associated surface waters for chemical / quantitative reasons												
Elevated temperatures												
Litter (an impact under the MSFD)												
Microbiological pollution												
No significant impact												
Not applicable (Territorial Waters)												
Nutrient pollution	387				1		29			105	447	7
Organic pollution												
Other significant impact type												
Saline pollution/intrusion												
Unknown impact type												

driversSwExemptionsReference

Tab. 2.2: Verursacher-Auswirkungs-Kombinationen für WK bei Inanspruchnahme von Ausnahmen (Anzahl OWK der Kategorie „See“)

DRIVER	Agriculture	Climate change	Energy – hydropower	Energy – non-hydropower	Fisheries and aquaculture	Flood protection	Forestry	Industry	Tourism and recreation	Transport	Urban development	Unknown - other
Abstraction exceeds available groundwater resource (lowering water table)												
Acidification												
Alterations in flow directions resulting in saltwater intrusion												
Altered habitats due to hydrological changes												
Altered habitats due to morphological changes (includes connectivity)												
Chemical pollution				82								
Damage to groundwater-dependent terrestrial ecosystems for chemical / quantitative reasons												
Diminution of quality of associated surface waters for chemical / quantitative reasons												
Elevated temperatures												
Litter (an impact under the MSFD)												
Microbiological pollution												
No significant impact												
Not applicable (Territorial Waters)												
Nutrient pollution	26											
Organic pollution												
Other significant impact type												
Saline pollution/intrusion												
Unknown impact type												

driversSwExemptionsReference

Tab. 2.3: Verursacher-Auswirkungs-Kombinationen für WK bei Inanspruchnahme von Ausnahmen (Anzahl OWK der Kategorie „Küstengewässer“)

DRIVER	Agriculture	Climate change	Energy – hydropower	Energy – non-hydropower	Fisheries and aquaculture	Flood protection	Forestry	Industry	Tourism and recreation	Transport	Urban development	Unknown - other
Abstraction exceeds available groundwater resource (lowering water table)												
Acidification												
Alterations in flow directions resulting in saltwater intrusion												
Altered habitats due to hydrological changes												
Altered habitats due to morphological changes (includes connectivity)						2				2		
Chemical pollution				21								
Damage to groundwater-dependent terrestrial ecosystems for chemical / quantitative reasons												
Diminution of quality of associated surface waters for chemical / quantitative reasons												
Elevated temperatures												
Litter (an impact under the MSFD)												
Microbiological pollution												
No significant impact												
Not applicable (Territorial Waters)												
Nutrient pollution	21										7	
Organic pollution												
Other significant impact type												
Saline pollution/intrusion												
Unknown impact type												

driversSwExemptionsReference

Tab. 3: Verursacher-Auswirkungs-Kombinationen für Wasserkörper bei Inanspruchnahme von Ausnahmen (Anzahl **Grundwasserkörper**)

DRIVER	Agriculture	Climate change	Energy – hydropower	Energy – non-hydropower	Fisheries and aquaculture	Flood protection	Forestry	Industry	Tourism and recreation	Transport	Urban development	Unknown - other
Abstraction exceeds available groundwater resource (lowering water table)												
Acidification												
Alterations in flow directions resulting in saltwater intrusion												
Altered habitats due to hydrological changes												
Altered habitats due to morphological changes (includes connectivity)												
Chemical pollution												
Damage to groundwater-dependent terrestrial ecosystems for chemical / quantitative reasons												
Diminution of quality of associated surface waters for chemical / quantitative reasons												
Elevated temperatures												
Litter (an impact under the MSFD)												
Microbiological pollution												
No significant impact												
Not applicable (Territorial Waters)												
Nutrient pollution	14											
Organic pollution												
Other significant impact type												
Saline pollution/intrusion	1										2	
Unknown impact type												

driversGWExemptionsReference

