

WFD Template Definition

Template short name: WFD_LWCHARACTER, Name: WFD_LakeWaterBodyCharacteristics, Geometry type: None

No.	Attribute	Attribute short name	Definition	Type	Obligation	Attribute values	Origin
0.0	TemplateName	TEMPLATE	Name der Schablone. Darf nicht veraendert werden	string (24)	Mandatory		
1.0	NameText	NAMETEXT	Name des Wasserkörpers.	string (250)	Mandatory		
1.1	NameTextInternational	TEXTINTERN	Internationaler Name des Wasserkörpers.	string (250)	Optional		
1.2	EuropeanCode_LW	EU_CD_LW	Internationaler Code des LakeWaterBody. Der Code setzt sich zusammen aus dem MemberStateCode, dem Alpha-2 Schluessel fuer die Feature Class LakeWaterBody und einer ID (Für DE gilt: <LAND_CD>_<ID>. Generell: <MemberStateCode><FeatureClassCode>_<ID>) Dieser Code dient als Verbindung zur Geometrietabelle LakeSegmentGeom.	string (42)	Mandatory, primary key		
1.3	WaterBodyPredecessor	WB_PREDEC	Ist der Wasserkörper seit der letzten Berichterstattung zum 1.,2., usw. BWP gleichgeblieben, soll hier der gleiche Code wie in Feld EU_CD_LW angegeben werden. Sofern der Wasserkörper seit der letzten Berichterstattung zum 1.,2., usw. BWP geändert wurde, soll hier der bzw. die letzte(n) berichtete(n) Code(s) (EU_CD_LW) des/der geänderten Wasserkörper(s) angegeben werden. Mehrfachnennungen sind möglich kommasepariert ohne Leerstellen. Fehlwert: -9999. Die Nennungen sind abhängig von Attribut EVOLUTIONT.	string (255)	Optional	WFD-Codelist: CountryStateCode	
1.5	WiseEvolutionType	EVOLUTIONT	Angabe der Aenderung des Wasserkörpers. Detailinformation: Type of event that produced or modified the version of the object being reported. This attribute is required to explicitly report changes and update the current status of the object in the Water Information System for Europe. -- Further information -- See the GIS guidance for additional information on the management of life-cycle information.	string (33)	Mandatory	WFD-Codelist: EvolutionTypeValue	
2.0	RiverBasinDistrictCode	RBD_CD	Kennung fuer die Flussgebietseinheit. Der Code besteht aus einer vierstelligen Numerierung fuer die Flussgebietseinheit.	string (4)	Mandatory	WFD-Codelist: RiverBasinDistrictCode	
2.1	WorkAreaCode	WA_CD	Kennung fuer das Bearbeitungsgebiet bzw. den Koordinierungsraum. Der Code besteht aus einer vierstelligen Numerierung fuer das Bearbeitungsgebiet bzw. den Koordinierungsraum.	string (10)	Mandatory	WFD-Codelist: WorkAreaCode	
2.2	CountryStateCode	LAND_CD	Der CountryStateCode wird in Anlehnung an die Regelungen der DIN EN ISO 3166-1 und DIN ISO 3166-2 aus zwei Alpha-2 Schluesseln zusammen gesetzt. Der erste Teil des Schluessels entspricht dem CountryCode, der zweite Schluesselbestandteil steht fuer die Verwaltungseinheiten (Bundesland). Fuer Deutschland sind diese Verwaltungseinheiten vorgegeben. Fuer andere Laender ist der Alpha-2 Schluessel (XX) frei waehlbar.	string (4)	Mandatory, primary key	WFD-Codelist: CountryStateCode	

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2.4	Metadata	METADATA	Der Name der Metadatendatei ist abhaengig vom hier erfassten Gebiet. Er kann auf vier verschiedene Arten gebildet werden. Er setzt sich zusammen aus der Kurzbezeichnung fuer die Schablone, dem CountryStateCode, dem WorkAreaCode oder dem RiverBasinDistrictCode und wird um die Dateinamenserweiterung XML ergaenzt. Alle Angaben sind in Grossbuchstaben auszufuehren.Schema: <TemplateShortName>_<CountryStateCode>_<WorkAreaCode>.XML or <TemplateShortName>_<CountryStateCode>_<RiverBasinDistrictCode>.XML or <TemplateShortName>_<CountryStateCode>.XML or <TemplateShortName>_<WorkAreaCode>.XML Beispiel: fuer Nordrhein-Westfalen fuer den Niederrhein: COMPATH_DENW_2800.XML fuer Nordrhein-Westfalen fuer den Rhein COMPATH_DENW_2000.XML fuer Nordrhein-Westfalen: COMPATH_DENW.XML fuer das Gesamtgebiet Niederrhein: COMPATH_2800.XML	string (255)	Mandatory		
2.5	Url	URL	URL einer optionalen Web-Seite zur objektbezogenen Einbindung eigener internetbasierter Informationsquellen. Der URL sollte stets in der Form http://-prefix aufgebaut werden.	string (255)	Optional		
2.6	InsertedWhen	INS_WHEN	Erstellungsdatum des Datensatzes	date (8)	Mandatory	YYYYMMDD	
2.7	InsertedBy	INS_BY	Ansprechpartner fuer den Datensatz	string (15)	Mandatory		
3.1	MemberStateTypeCode_LW	TY_CD_LW	Nationale Beschreibung der Gewaessertypen nach WRRL-Anhang II (Fuer Deutschland gilt: Sofern Empfehlungen in der LAWA-Arbeitshilfe zur WRRL ausgesprochen wurden, sollte diesen gefolgt werden siehe WFD-Codelist:DELakeWaterBodyTypeCode)	string (10)	Conditional, mandatory for LAND_CD like "DE%"	WFD-Codelist: DELakeWaterBodyTypeCode	
3.11	HeavilyModified	MODIFIED	Angabe, ob der Wasserkörper erheblich verändert ist.	string (1)	Mandatory	WFD-Codelist: YNStrictCode	
3.13	Artificial	ARTIFICIAL	Angabe, ob der Wasserkörper künstlich ist	string (1)	Mandatory	WFD-Codelist: YNStrictCode	
4.0	SwSignificantPressureType	SIGPR	Required. Indicate the significant pressure type(s) from the enumeration list. If a combination of pressure-driver is not significant on its own but it is in combination with others, select all the relevant pressures of that type that are present which make the overall pressure significant (e.g. if abstraction from industry or agriculture is not relevant on their own but they are relevant in combination, select both). If the ecological status or potential of the surface water body is less than good, at least one significant pressure type must be reported. The option 'No significant pressure types' is not valid. If the chemical status of the surface water body is	string (254)	Conditional, mandatory for Land_cd like 'DE%'	WFD-Codelist: SignificantPressureTypeCode	

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			less than good, at least one significant pressure type must be reported. The option 'No significant pressure types' is not valid. Quality checks: Within-schema check: the option 'No significant pressure types' is not compatible with any other. Within-schema check: the option 'Not relevant' is not compatible with any other option and can be selected if and only if surfaceWaterBodyCategory is 'TeW' (not compatible with any other surfaceWaterBodyCategory). Within-schema check: If SWB/SurfaceWaterBody/swEcologicalStatusOrPotentialValue is '3', '4' or '5', at least one significant pressure type must be selected from the enumeration list (can include option '8 Unknown pressures'). The option 'No significant pressure types' is not a valid selection. Within-schema check: If SWB/SurfaceWaterBody/swChemicalStatusValue is '3', at least one significant pressure type must be selected from the enumeration list (can include '8 Unknown pressures'). The option 'No significant pressure types' is not a valid selection. Mehrfachnennungen sind möglich, kommasepariert ohne Leerstellen.				
4.1	SwSignificantPressureOther	SIGPRO	Conditional. If '7 Other anthropogenic pressures' is selected from the enumeration list and reported under swSignificantPressureType, provide details of any other anthropogenic pressure types which are relevant in this element. This element should only be reported if the pressure type is not included in the enumeration list under swSignificantPressureType. Quality checks: Conditional check: Report if '7 Other anthropogenic pressures' is selected from the enumeration list under swSignificantPressureType.	string (1000)	Conditional, mandatory for '7 Other anthropogenic pressures' = selected from the enumeration list under SwSignificantPressureType.		
4.2	Impact	IMPACT	Angaben zu den Auswirkungen der Wasserkörperbelastungen. Mehrfachnennungen sind möglich, kommasepariert ohne Leerstellen.	string (255)	Conditional, mandatory for Land_cd like "DE%"	WFD-Codelist: SignificantImpactTypeCode	
4.3	ImpactOther	IMPACT_OTH	If 'Other Significant Impacts' is selected from the enumeration list under Impact, provide details of any other impact types which are relevant in this element. This element should only be reported if the impact type is not included in the enumeration list under Impact. Quality checks: Conditional check: Report if 'Other Significant Impacts' is selected from the enumeration list under Impact.	string (1000)	Conditional, mandatory for 'Other Significant Impacts' selected from the enumeration list under swSignificantImpactType		
5.1	RiskAssessmentChemicalStatus	RISK_CHEM	Statusmeldung im Sinne der Risikoabschätzung für den chemischen Zustand	string (1)	Mandatory	WFD-Codelist: RiskStatusCode	
5.2	RiskAssessmentEcologicalPotential	RISK_ECPO	Statusmeldung im Sinne der Risikoabschätzung für das ökologische Potential	string (1)	Conditional, mandatory for	WFD-Codelist: RiskStatusCode	

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					ARTIFICIAL = "Y" or MODIFIED = "Y"		
5.3	RiskAssessmentEcologicalStatus	RISK_ECST	Statusmeldung im Sinne der Risikoabschätzung für den ökologischen Zustand	string (1)	Conditional, mandatory for ARTIFICIAL = "N" and MODIFIED = "N"	WFD-Codelist: RiskStatusCode	
5.4	RiskAssessmentStatusDate	RISK_DATE	Gültigkeitsdatum der Statusmeldung zur Risikoabschätzung nach WRRL Artikel 5 und Anhang II (1.5)	date (8)	Optional	YYYYMMDD	
6.0	BeginLifespanVersion	BEGINLIFE	Date at which this version of the spatial object was inserted or changed in the spatial data set.	date (8)	Mandatory	YYYYMMDD	
6.2	DesignationPeriodBegin	DESIGBEGIN	time period defining when the management, restriction or regulation zone was legally designated or became effective in the real world.	date (8)	Mandatory	YYYYMMDD	
6.4	HmwbPhysicalAlteration	HMWB_PA	For HMWBs only, report the physical alteration that has resulted in the designation of the surface water body as a HMWB. In the context of designation, physical alterations mean any significant alterations that have resulted in substantial changes to the hydromorphology of a surface water body such that the surface water body is substantially changed in character. In general, these hydromorphological characteristics are long-term and alter both the morphological and hydrological characteristics. Further guidance on the terms is found under the Glossary section below. Quality checks: Conditional check: Report if MODIFIED is 'Y'.	string (254)	Conditional, mandatory for MODIFIED = 'Y'	WFD-Codelist: HMWBPhysical AlterationCode	
6.5	HmwbWaterUse	HMWB_WU	For HMWBs only, report the water use for which it has been designated. 'Wider environment' can refer to designation in order to maintain nature protected areas and also archaeological sites and patrimony (see CIS Guidance Document No. 4 – Identification and Designation of Heavily Modified and Artificial Water Bodies). Quality checks: Element check: A valid option must be selected from the enumeration list. More than one option can be selected. Conditional check: Report if MODIFIED is 'Y'.	string (254)	Conditional, mandatory for MODIFIED = 'Y'	WFD-Codelist: HMWBWaterUseCode	
6.6	Reservoir	RESERVOIR	Conditional. For heavily modified and artificial lake water bodies, indicate whether the water body is a reservoir that has been created by damming a river or a pre-existing lake or artificially fed by water in a location where no water body existed before. All reservoirs should be reported as heavily modified or artificial lake water bodies. The 'reservoir' schema element must be reported so that Member States can clarify whether the water bodies were created by damming rivers or pre-existing lakes or in a location	string (1)	Conditional, mandatory for MODIFIED = 'Y' or ARTIFICIAL = 'Y'.	WFD-Codelist: YesNoUnclear ReservoirCode	

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			where no water body existed before. Select 'Reservoir in a water body that was originally a river / rivers' only if the whole surface water body represents a reservoir (or part of a reservoir) created by damming a river. Select 'Reservoir in a water body that was originally a lake / lakes' if the whole surface water body represents a reservoir (or part of a reservoir) created by modifying a pre-existing lake, or if the surface water body includes some small reservoirs which are not significant enough to be identified as separate surface water bodies. Select 'Reservoir in what were originally chained rivers and lakes' in cases where the reservoir has been created by damming a water body which contained chained rivers and lakes. Select 'Reservoir in what was originally not a water body (artificial reservoir)' in cases where the reservoir has been created by human activity in a location where no water body existed before, and which has not been created by the direct physical alteration, movement or realignment of an existing water body. Select 'Not a reservoir' if the lake water body is not a reservoir. Quality checks: Conditional check: Report if and only if surfaceWaterBodyCategory is 'LW' AND naturalAWBHMWB is 'Heavily Modified' or 'Artificial'.				
6.7	SurfaceWaterBody IntercalibrationType	INT_CAL_TP	If the surface water body type corresponds with an intercalibration type, report the intercalibration type code (not name). The intercalibration type reported in this element must be appropriate to the surface water body's Category. If there is no corresponding intercalibration type, select 'Not applicable'. Quality checks: Element check: SurfaceWaterBodyIntercalibrationType must be reported. A valid option must be selected from the enumeration list. More than one option can be selected. Cross-schema check: SurfaceWaterBodyIntercalibrationType must be consistent with the codes reported in SWMET/ IntercalibrationType	string (254)	Mandatory	WFD-Codelist: SWIntercalibration TypeCode	
7.0	SurfaceWaterBodyTransboundary	TRANSB	The Directive requires co-ordination among Member States for the management of transboundary waters. Transboundary water bodies are those crossing the border between countries or constituting part of the border between two countries for a certain length. A water body that is entirely within one Member State but is contiguous with a water body in another country is, for the purposes of this reporting, also considered as a transboundary water body. For the sake of clarity,	string (1)	Mandatory	WFD-Codelist: YNStrictCode	

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			each Member State should report on its own part of these water bodies. In the case of water bodies shared by more than one country (as opposed to contiguous water bodies), geographic information should therefore be provided for the part of the water body within the reporting Member State and for all elements which have a clear geographical reference (e.g. size, monitoring stations). Each Member State should also report on all elements that apply to the whole water body (status, pressures, etc), even in the cases in which these are identical in each of the Member States concerned as a result of the co-ordinated management required by the Directive. Similarly, for water bodies which constitute part of the border between two countries the same principles apply. In the case of rivers represented as lines, the same line will have to be reported by both Member States concerned, instead of reporting different but adjacent areas, as is the case, for example, for a lake that extends across the border.				