

WFD Template Definition

Template short name: WFD_GWBODYCHARACTER, Name: WFD_GroundwaterBodyCharacteristics, Geometry type: None

No.	Attribute	Attribute short name	Definition	Type	Obligation	Attribute values	Origin
0.0	TemplateName	TEMPLATE	Name der Schablone. Darf nicht verändert 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_GB	EU_CD_GB	Internationaler Schlüssel für den GroundwaterBody. Der Schlüssel setzt sich zusammen aus dem MemberStateCode, dem FeatureClassCode und dem nationalen Schlüssel. Generell: <MemberStateCode>_<FeatureClassCode>_<LAND_CD><ID>	string (42)	Mandatory, primary key	WFD-Codelist: MemberStateCode	
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_GB 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_GB) 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 Änderung 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	4-digit code fuer die Flussgebietseinheit.	string (4)	Mandatory	WFD-Codelist: RiverBasinDistrictCode	
2.1	WorkAreaCode	WA_CD	4-digit code für die Working Area.	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 Schlüsseln zusammen gesetzt. Der erste Teil des Schlüssels entspricht dem CountryCode, der zweite Schlüsselbestandteil steht für die Verwaltungseinheiten (Bundesland). Für Deutschland sind diese Verwaltungseinheiten vorgegeben. Für andere Länder ist der Alpha-2 Schlüssel (XX) frei wählbar.	string (4)	Mandatory	WFD-Codelist: CountryStateCode	
2.4	Metadata	METADATA	Der Name der Metadatendatei ist abhängig vom hier erfassten Gebiet. Er kann auf vier verschiedene Arten gebildet werden. Er setzt sich zusammen aus der Kurzbezeichnung für die Schablone, dem CountryStateCode, dem WorkAreaCode oder	string (255)	Mandatory		

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			dem RiverBasinDistrictCode und wird um die Dateinamenserweiterung XML ergänzt. Alle Angaben sind in Grossbuchstaben auszuführen.Schema: <TemplateShortName>_ <CountryStateCode>_ <WorkAreaCode>.XML or <TemplateShortName>_ <CountryStateCode>_ <RiverBasinDistrictCode>.XML or <TemplateShortName>_ <CountryStateCode>.XML or <TemplateShortName>_ <WorkAreaCode>.XML Beispiel: für Nordrhein-Westfalen für den Niederrhein: COMPATH_DENW_2800.XML für Nordrhein-Westfalen für den Rhein COMPATH_DENW_2000.XML für Nordrhein-Westfalen: COMPATH_DENW.XML für das Gesamtgebiet Niederrhein: COMPATH_2800.XML				
2.5	Url	URL	URL einer optionalen Web-Seite zur objektbezogenen Einbindung eigener internetbasierte 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	string (15)	Mandatory		
3.1	AquiferTypeCode	AQUI_TYPE	Kennung der Grundwasserleitertypen gemäß WRRL-Anhang II 2	string (6)	Optional	WFD-Codelist: AquiferTypeCode	
3.2	GeologicalFormation	GEOL_FORM	What is the main geological formation of the Aquifer Type?	string (1)	Mandatory	WFD-Codelist: GeologicalFormation Code	Kat.III
3.6	Transboundary	TRANSB	Gibt es eine Überschneidung des Grundwasserkörpers mit einer internationalen Staatengrenze?	string (1)	Mandatory	WFD-Codelist: YNCode	
3.10	LinkTerrestrialEcosystems	LINK_ECO	Is the Groundwater Body dynamically linked to terrestrial ecosystems?	string (1)	Mandatory	WFD-Codelist: YNCode	
4.0	GwSignificantPressureType	SIGPR	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 quantitative status of the groundwater body is poor, at least one significant pressure type must be reported. The option 'No significant pressuretypes' is not valid. If the chemical status of the groundwater body is poor, 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: If	string (254)	Conditional, mandatory for Land_cd like "DE%"	WFD-Codelist: SignificantPressure TypeCode	

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			GroundWaterBody/gwQuantitativeStatusValue 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. The option 'Not relevant' is not valid.				
4.1	GwSignificantPressureOther	SIGPRO	If '7 Other anthropogenic pressures' is selected from the enumeration list and reported under gwSignificantPressureType, provide details of any other anthropogenic pressures which are relevant in this element. This element should only be reported if the pressure type is not included in the enumeration list under gwSignificantPressureType. Quality checks: Conditional check: Report if '7 Other anthropogenic pressures' is selected from the enumeration list under gwSignificantPressureType.	string (1000)	Conditional, mandatory for '7 Other anthropogenic pressures' = selected from the enumeration list under gwSignificantPressureType.		
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: SignificantImpact TypeCode	
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 swSignificantImpact Type		
5.3	Layered	LAYERED	Indicate whether the groundwater body is layered.	string (1)	Mandatory	WFD-Codelist: YesNoNoInformation_ Code	
5.5	LinkSurfaceWaterBodyCode	SURFACEWAT	If the groundwater body is associated with one or more surface water bodies, report the surface water body codes of the associated surface water bodies. Quality checks: Element check: First 2 characters must be the Member State's 2-alpha character ISO country code. Conditional check: Cross-schema check: The reported linkSurfaceWaterBodiesCodes must be consistent with the codes reported in SWB/SurfaceWaterBody/euSurfaceWaterBodyCode. Fehlwert: -9999.	string (4000)	Mandatory	WFD-Codelist: MemberStateCode + FeatureClassCode + CountryStateCode	Kat.III
5.14	GwAtRiskQuantitative	RISKQUAN	Report whether the groundwater body is at risk of failing to be of good quantitative status. Please follow the approach given in the 'CIS Guidance Document No. 26: Risk assessment and the use of conceptual models'.	string (1)	Mandatory	WFD-Codelist: YNStrictCode	
5.15	GwReasonsForRiskQuantitative	REAS_R_QU	If the groundwater body is at risk of failing to be of good quantitative status, select reasons from the enumeration list. 'Water balance' = Exceedance	string (254)	Conditional, mandatory	WFD-Codelist: QuantitativeFailureCode	

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			of available groundwater resource by long-term annual average rate of abstraction that may result in a decrease of groundwater levels. 'Surface water' = Failure to achieve Environmental Objectives (Article 4 WFD) for associated surface water bodies resulting from anthropogenic water level alteration or change in flow conditions; significant diminution of the status of surface waters resulting from anthropogenic water level alteration or change in flow conditions. 'Groundwater dependent terrestrial ecosystems' = Significant damage to groundwater dependent terrestrial ecosystems resulting from an anthropogenic water level alteration. 'Saline or other intrusion' = Regional saline or other intrusions resulting from anthropogenically induced sustained changes in flow direction. Further guidance can be found in CIS Guidance Document 18: Groundwater Status and Trends Assessment. Quality checks: Conditional check: Report if GwAtRiskQuantitative is 'Yes'.		for gwbAtRiskQuantitative = 'Yes'.		
5.16	GwEORiskQuantitative	EO_R_QU	If the groundwater body is at risk of failing to be of good quantitative status, select the Environmental Objective related to the risk from the enumeration list. 'Uses or functions' = The actual or potential legitimate uses or functions of the groundwater body. 'Surface waters / terrestrial ecosystems' = The relationship between groundwater bodies and the associated surface waters and directly dependent terrestrial ecosystems. Quality checks: Conditional check: Report if gwbAtRiskQuantitative is 'Yes'.	string (1)	Conditional, mandatory for gwbAtRiskQuantitative = 'Yes'.	WFD-Codelist: GWEORiskQuantitativeCode	
5.24	GwAtRiskChemical	RISKCHEM	Report whether the groundwater body is at risk of failing to be of good chemical status. Please follow the approach given in the 'CIS Guidance Document No. 26: Risk assessment and the use of conceptual models'.	string (1)	Mandatory	WFD-Codelist: YNStrictCode	
5.25	GwEORiskChemical	EO_R_CH	If the groundwater body is at risk of failing to be of good chemical status, select the Environmental Objective to which the risk is related from the enumeration list: 'Uses or functions' = The actual or potential legitimate uses or functions of the groundwater body. 'Surface waters / terrestrial ecosystems' = The relationship between groundwater bodies and the associated surface waters and directly dependent terrestrial ecosystems. 'Both' = Both. Further guidance can be found in CIS Guidance Document 18: Groundwater Status and Trends Assessment. Quality checks: Conditional check: Report if gwbAtRiskChemical is 'Yes'.	string (1)	Conditional, mandatory for gwbAtRiskChemical = 'Yes'.	WFD-Codelist: EQORiskChemicalCode	

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6.0	BeginLifespanVersion	BEGINLIFE	Date and time at which this version of the spatial object was inserted or changed in the spatial data set. -- Description -- NOTE This date is recorded to enable the generation of change only update files. -- Guidance -- Conditional. Data Providers should report this information, if available. Data Providers must report this information if the endLifespanVersion value is reported.	date (8)	Conditional, mandatory for endLifespanVersion is not null	YYYYMMDD	
6.1	EndLifespanVersion	ENDLIFE	Date and time at which this version of the spatial object was superseded or retired in the spatial data set. -- Description -- NOTE This date is recorded primarily for those systems which "close" an entry in the spatial data set in the event of an attribute change. -- Guidance -- Optional. If the version of the spatial object being reported is still unchanged in the national datasets, then Data Providers are not required to provide this information. For example, Data Providers reporting under WFD 2016 should report the current version of the spatial object: therefore the endLifespanVersion attribute is not required. This attribute is kept in the data model to allow future updates and support the traceability of changes to objects previously reported.	date (8)	Optional	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	