

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 | | |
| 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 kommassepariert 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 | Anspechpartner | 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 | |
| 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 significant 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 groundwater body is at risk of not achieving good quantitative status, at least one significant pressure type must be reported. The option 'No significant pressures' is not valid in this case. If the groundwater body is at risk of not achieving good chemical status, at least one significant pressure type must be reported. The option 'No significant pressures' is not valid in this case. The option '7 – Anthropogenic pressure – Other' should be | string (254) | Conditional, mandatory for Land_cd like "DE%" | WFD-Codelist: SignificantPressure TypeCode | |

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| | | | selected only in those cases where the relevant pressure identified does not correspond to any of the pressure types listed in the enumeration list SignificantPressureTypeCode. The option 'Not applicable' is not valid for groundwater. Within-schema check: the option 'No significant pressures' is not compatible with any other. Within-schema check: If GWB/GroundWaterBody/gwAtRiskQuantitative is 'Yes', at least one significant pressure type must be selected from the enumeration list (can include '8 Unknown pressures'). The option 'No significant pressures' is not a valid selection in this case. Within-schema check: If GWB/GroundWaterBody/gwAtRiskChemical is 'Yes', at least one significant pressure type must be selected from the enumeration list (can include '8 Unknown pressures'). The option 'No significant pressures' is not a valid selection in this case. Within-schema check: Each significant pressure type can only be reported once for a water body. The option 'Not applicable' 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: YesNoNInformation_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 | string (4000) | Mandatory | | |

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| | | | 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. Mehrfachnennungen sind möglich: kommasepariert ohne Leerstellen. Fehlwert: -9999. | | | | |
| 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 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'. | string (254) | Conditional, mandatory for gwbAtRisk Quantitative = 'Yes'. | WFD-Codelist: QuantitativeFailureCode | |
| 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 gwbAtRisk Quantitative = 'Yes'. | WFD-Codelist: GWEORisk QuantitativeCode | |
| 5.24 | GwAtRiskChemical | RISKCHEM | Report whether the groundwater body is at risk of failing to be of good chemical status. Please follow | string (1) | Mandatory | WFD-Codelist: YNStrictCode | |

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| | | | the approach given in the 'CIS Guidance Document No. 26: Risk assessment and the use of conceptual models'. | | | | |
| 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 | |
| 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 | |
| 6.1 | EndLifespanVersion | ENDLIFE | Date at which this version of the spatial object was superseded or retired in the spatial data set. | 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 | |