

## WFD Template Definition

Template short name: WFD\_GWSTN, Name: WFD\_GroundwaterMonitoringStation, Geometry type: Point

No.	Attribute	Attribute short name	Definition	Type	Obligation	Attribute values	Origin
0.0	TemplateName	TEMPLATE	Vorgegebener Schablonenname, schreibgeschützt.	string (50)	Mandatory		
1.1	EuropeanCode_GB	EU_CD_GB	Internationaler Schlüssel für den GroundwaterBody in dem direkt durch die GroundwaterMonitoringStation gemessen wird. Der Schlüssel setzt sich zusammen aus dem MemberStateCode, dem FeatureClassCode und einer ID. Generell: <MemberStateCode><FeatureClassCode>_<LAND_CD>_<ID>	string (42)	Mandatory, primary key	WFD-Codelist: MemberStateCode	
1.2	EuropeanCode_GM	EU_CD_GM	Internationaler Schlüssel der GroundwaterMonitoringStation. 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 + FeatureClassCode	
1.4	Name	NAME	Ortsüblicher Name der Messstelle	string (100)	Mandatory		
1.5	SiteType	SITETYPE	Ist die Messstelle an einem Brunnen / Beobachtungsrohr oder an einer Quelle	string (1)	Mandatory	WFD-Codelist: SiteType	
1.6	X_Coordinate	XCOORD	X-Koordinate der Messstelle	number (15.5)	Optional		
1.7	Y_Coordinate	YCOORD	Y-Koordinate der Messstelle	number (15.5)	Optional		
1.8	WiseEvolutionType	EVOLUTIONT	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	
1.12	InsertedWhen	INS_WHEN	Einfügedatum in die Schablone	date (8)	Mandatory	YYYYMMDD	
1.13	GWMS_Predecessor	GW_PREDEC	Sofern der nationale Code dieser Messstelle seit der letzten Datenlieferung geändert wurde, soll hier der letzte berichtete Code (EU_CD_GM) der Messstelle angegeben werden. Mehrfachnennungen sind möglich, kommasepariert ohne Leerstellen. Fehlwert: -9999	string (255)	Mandatory	WFD-Codelist: MemberStateCode	
2.3	Depth	DEPTH	Indicate the groundwater layer within the groundwater body in which sampling occurs. Please see visualization of multi-layered GWBs in sections 1.3 and 2.3 of Annex 4.	string (6)	Mandatory	WFD-Codelist: MonitoringDepthCode	
2.11	IntMonitorNetwork	MONITORNET	Angabe, in welchen Messnetzen die Messstelle integriert ist, kommasepariert ohne Leerstellen, z.B.: A,D,E entspricht EIONET, IKSR, IKSE	string (255)	Mandatory	WFD-Codelist: IntMonitorNetCode	
2.12	Eionet_ID	EIONET_ID	Sofern die Messtelle eine eigene EIONET/SOE-ID besitzt, ist hier diese gültige ID anzugeben.	string (40)	Conditional, mandatory for LAND_CD like "DE%" and MONITORNET = "A"		
3.2	InsertedBy	INS_BY	Ansprechpartner für Datensatz	string (15)	Mandatory		

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4.1	WorkAreaCode	WA_CD	Kennung für das Bearbeitungsgebiet bzw. den Koordinierungsraum. Der Code besteht aus einer vierstelligen Numerierung für das Bearbeitungsgebiet bzw. den Koordinierungsraum.	string (10)	Mandatory	WFD-Codelist: WorkAreaCode	
4.2	RiverBasinDistrictCode	RBD_CD	Der Code besteht aus einer vierstelligen Numerierung für die Flussgebietseinheit.	string (4)	Mandatory	WFD-Codelist: RiverBasinDistrictCode	
4.3	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 MemberStateCode, 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	
4.4	Delivery_Date	DELIVERY	Datum der Datenbereitstellung (Beispiel: 20030730)	date (8)	Mandatory	YYYYMMDD	
4.5	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 dem RiverBasinDistrictCode und wird um die Dateinamenserweiterung XML ergänzt. Alle Angaben sind in Grossbuchstaben auszuführen. Schema: <TemplateShortName>_<CountryStateCode>_<WorkAreaCode>.XML oder <TemplateShortName>_<CountryStateCode>_<RiverBasinDistrictCode>.XML oder <TemplateShortName>_<CountryStateCode>.XML oder <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	string (255)	Mandatory		
4.6	Url	URL	Link auf die zugehörigen Daten oder den zuständigen Messnetzbetreiber. Der URL sollte stets in der Form "https://" -prefix aufgebaut werden.	string (255)	Optional		
4.16	OperationalActivityPeriodBegin	OPACTBEGIN	period during which the EnvironmentalMonitoringFacility has been up and running.	date (8)	Mandatory	YYYYMMDD	
4.17	OperationalActivityPeriodEnd	OPACTEND	period during which the EnvironmentalMonitoringFacility has been up and running. Data Providers are required to report this information only if the end of the operational period is known or has already occurred. This attribute is kept in	date (8)	Optional	YYYYMMDD	

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			the data model to allow future updates and support the traceability of changes to objects previously reported. Report if the end of the operational period is known or has already occurred.				
4.18	Collection	COLLECTION	Angabe weiterer Zwecke der Messstation. Mehrfachnennung möglich kommasepariert ohne Leerzeichen.	string (254)	Optional	WFD-Codelist: CollectionPurposeCode	
5.0	MonitoringType	MONTYPE	Indicate whether the monitoring site is used for chemical or quantitative monitoring. Please note that, for the purpose of reporting, monitoring of RBSPs should be reported as part of chemical monitoring (if a site is used for monitoring RBSPs only or RBSPs and Priority Substances, you should report only 'Chemical', if it is used to monitor RBSPs and other QEs, you should report both 'Ecological' and 'Chemical'). Quality checks: Cross-schema check: 'Ecological' is a valid option only if the monitoring site is located in a surface water body, 'Quantitative' is a valid option only if the monitoring site is located in a groundwater body. Mehrfachnennung möglich kommasepariert ohne Leerzeichen.	string (254)	Conditional, mandatory for MONITORNET = 'W'	WFD-Codelist: MonitoringTypeCode	
5.1	MonitoringPurpose	PURPOSE	For each monitoring site, report whether it is used for operational or surveillance monitoring. Die Option TRE ist nicht Bestandteil der elektronischen Berichterstattung an die KOM, wird jedoch für nationale Auswertungen benötigt. Mehrfachnennung möglich kommasepariert ohne Leerzeichen.	string (254)	Conditional, mandatory for MONITORNET = 'W' and and MONTYPE = 'CHE'	WFD-Codelist: MonitoringPurposeCode	
5.8	QuantitativeFrequency	FREQUENCY	Conditional. If the groundwater monitoring site is used for quantitative monitoring, report the frequency of monitoring. Further guidance on what should be reported is provided in the glossary. Quality checks: Conditional check: Report if MONTYPE contains 'QUA'.	number (3.0)	Conditional, mandatory for MONTYPE contains 'QUA'.		
5.9	QuantitativeCycle	CYCLE	Conditional. If the groundwater monitoring site is used for quantitative monitoring, report the cycle of monitoring. Further guidance on what should be reported is provided in the glossary. Quality checks: Conditional check: Report if MONTYPE contains 'QUA'.	number (2.0)	Conditional, mandatory for MONTYPE contains 'QUA'.		
5.10	QuantitativeLastMonitored	LASTMONITO	Conditional. If the groundwater monitoring site is used for quantitative monitoring, report the most recent year in the format YYYY that was monitored. Enter 9999 if parameter has yet to be measured. Quality checks: Conditional check: Report if MONTYPE contains 'QUA'.	number (4.0)	Conditional, mandatory for MONTYPE contains 'QUA'.		
6.0	BeginLifespanVersion	BEGINLIFE	Date and time at which this version of the spatial object was inserted or changed in the spatial data	date (8)	Conditional, mandatory for	YYYYMMDD	

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			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.		endLifespanVersion is not null		
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	ConfidentialityStatus	CONF_STAT	-- Definition -- Information about the sensitivity and confidentiality status of the monitoring site location. -- Description -- By default, all data is publicly available and free for publication. For safety or security reasons, Data Providers may flag that the location of some monitoring sites (e.g. drinking water abstractions) should not be published. -- Guidance -- Optional. Data providers reporting under WISE SoE are requested to provide this information for monitoring sites. The default value is 'F' (free for publication). The value 'N' (not from publication, restricted for internal use only) will prevent the publication of the monitoring site location in the WISE dissemination products. Note 1: This flag applies only to the location data: the time series will still be made available. Note 2: This flag does not prevent public access to data files delivered to the EEA's Central Data Repository, if access to the envelopes is not restricted by the Data Provider.	string (1)	Optional	WFD-Codelist: ConfidentialityStatusCode	