

## Explanation of the ESRI-Shapefiles

- All shapefiles belonging to one element or parameter are combined in one ZIP file.
- The naming of the ESRI-Shapefiles within the ZIP file follows the pattern XX\_YY\_ZZ.

Thereby stand:

XX for the chemical symbol of the represented parameter in the periodic table of elements (or for an abbreviation of the corresponding parameter),

YY for the sampling medium,  
sed: stream sediments,  
aqua: stream waters,

ZZ for the calculation method used,

AA\_classes: - colour shaded contour map,  
- interpolation method Kriging,  
- legend with AA classes and variable colour gradient scale,

Points\_AA\_classes: - representation of the content at the sample point,  
- legend with AA classes and variable colour gradient scale (equivalent to that of the corresponding colour shaded contour map).

- The spatial resolution of the shapefiles with the feature type polygon (AA\_classes) is 1 : 1,000,000. The spatial resolution results from the sampling density of one sample per km<sup>2</sup> on average. The shapefiles are not suitable for representation at larger scales (e.g. 1 : 100,000).
- The spatial resolution of the shapefiles with the feature type point (Points\_AA\_classes) is unlimited.
- The coordinate reference system of the shapefiles is EPSG:32632 (<https://epsg.io/32632>).
- The attribute tables of the shapefiles with the feature type polygon include the fields GRIDCODE (format integer) and CLASSLIMIT (format string, length 75). The field GRIDCODE contains the (numeric) class number of the corresponding area; the field CLASSLIMIT contains the corresponding content interval.

- The attribute tables of the shapefiles with the feature type point include the following fields:

RW	X-coordinate of the point as in the original file from 1990 (depending on the location) in the systems EPSG:31467 ( <a href="https://epsg.io/31467">https://epsg.io/31467</a> ), EPSG:31468 ( <a href="https://epsg.io/31468">https://epsg.io/31468</a> ) or EPSG:31469 ( <a href="https://epsg.io/31469">https://epsg.io/31469</a> ),
HW	Y-coordinate of the point as in the original file from 1990 (depending on the location) in the systems EPSG:31467 ( <a href="https://epsg.io/31467">https://epsg.io/31467</a> ), EPSG:31468 ( <a href="https://epsg.io/31468">https://epsg.io/31468</a> ) or EPSG:31469 ( <a href="https://epsg.io/31469">https://epsg.io/31469</a> ),
RW_GK4	X-coordinate of the point in the system EPSG:31468 ( <a href="https://epsg.io/31468">https://epsg.io/31468</a> ),
HW_GK4	Y-coordinate of the point in the system EPSG:31468 ( <a href="https://epsg.io/31468">https://epsg.io/31468</a> ),
RW_UTM_32N	X-coordinate of the point in the system EPSG:32632 ( <a href="https://epsg.io/32632">https://epsg.io/32632</a> ),
HW_UTM_32N	Y-coordinate of the point in the system EPSG:32632 ( <a href="https://epsg.io/32632">https://epsg.io/32632</a> ),
XX	content of the element or parameter XX measured in the sample,
CLASS_06	the (numerical) class number of the class into which the value falls, related to the class division with 6 classes,
LIMIT_06	the content interval of the class in CLASS_06,
CLASS_72	the (numerical) class number of the class into which the value falls, related to the class division with 72 classes and variable colour gradient scale,
LIMIT_72	the content interval of the class in CLASS_72.