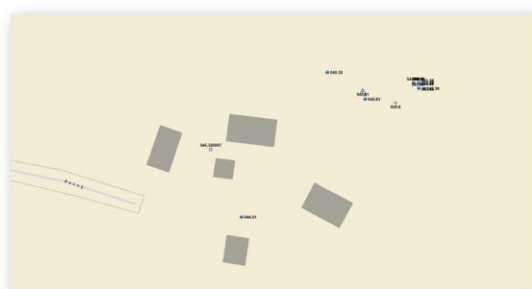
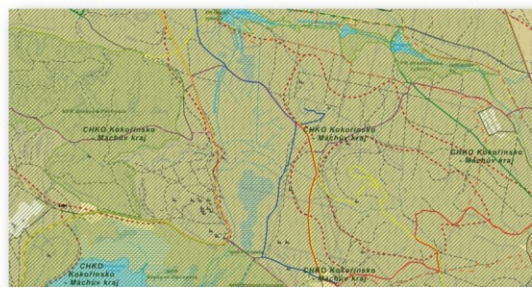


ZABAGED[®]

Feature Catalogue



LAND SURVEY OFFICE

ZABAGED[®]

Feature Catalogue

version 4.7



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INTRODUCTION

The purpose of this document is to provide ZABAGED® users with basic information on the ZABAGED® data model and its data content.

The Fundamental Base of Geographic Data of the Czech Republic (ZABAGED®) - is a vector digital geographical model of the territory of the Czech Republic, which is administrated by the Land Survey Office in the public interest.

ZABAGED® is a part of the Public Administration Information System according to Act No. 200/1994 Coll., On Land Surveying and amendments to certain acts related to its implementation, as amended (hereinafter referred to as the "Land Surveying Act"). The content and subject of the ZABAGED® administration is determined by Decree No. 31/1995 Coll., which implements the Land Surveying Act. ZABAGED® is also the source of selected information for the INSPIRE data structure. To ensure the requirement of Article 10(2) of Directive 2007/2 / EC (INSPIRE), uniformity of state border representation and continuity of important infrastructure elements between ZABAGED® and similar geographical databases of neighbouring countries is gradually ensured. In 2013, the equalization of intercourses with the ATKIS database for the neighbouring federal states of Saxony and Bavaria was completed, in 2018 with the ZBGIS database of Slovakia and the harmonization of geographical elements with other neighbouring states is continuing.

ZABAGED® has the character of a geographical information system integrating the spatial component of vector graphics with topological relations of features and the attribute component containing descriptions and other qualitative and quantitative information about individual geographical features. ZABAGED® content consists of 145 basic types of geographical features divided into eight thematic categories and more than 400 types of descriptive attributes. The topographical part contains two-dimensional (2D) spatial and descriptive information about settlements, transport infrastructure, distribution networks and product pipelines, waters, territorial units and protected areas, vegetation and grounds and about elements of terrain relief. Selected data on survey control points in the Czech Republic are also included. The hypsometric part contains three-dimensional (3D) elements of the terrain is represented by spatial 3D sets of contours, elevation points of the terrain and the surface.

The features are regularly updated based on Earth remote sensing data, from publicly available sources on the Internet, on investigation of selected information at local public authorities and a field inspection. Special importance is also put on the use of outputs from public administration information systems. Selected feature types are updated continuously in cooperation with the primary administrators of this data. In particular, these are updates of the road network in cooperation with the Directorate of Roads and Motorways of the Czech Republic (ŘSD ČR), updates the railway network in cooperation with the Railway Administration, state organization (formerly SŽDC), cooperation with the Territorial Identification Information System (ISÚI) to process the street network according to municipalities, use of Real Estate Cadastre Information System (ISKN) data for updating buildings and Register of Territorial Identification, Addresses and Real Estates (RÚIAN) for updating definition points of address places and of administrative and cadastral units. Registers managed by the Ministry of Education, Youth and Sports (MŠMT ČR), fuel filling stations of the Ministry of Industry and Trade (MPO ČR), lists of licensed power plants managed by the Energy Regulatory Office (ERÚ) and data of the Nature Conservation Agency (AOPK ČR) on protected areas. Air traffic information (airports, heliports, runways) is taken from Air Navigation Services. Cooperation with the Czech Statistical Office (ČSÚ) on updating the definition points of administrative units and with the Czech Hydrometeorological Institute (ČHMÚ) on the management of the watersheds network has been ongoing for a long time, and data on meteorological stations are now being obtained. The list of post offices, which is managed by the Czech Post (Česká pošta, s.p.) is also used. A procedure for joint updating of the watercourse network is being prepared in cooperation with the Ministry of Agriculture (MZe ČR), the Ministry of the Environment (MŽP ČR) and the Land Survey Office. Cooperation with infrastructure administrators from the private sector (ČEPS a.s., EG.D, s.r.o.) is also gradually developing. Some types of features contain so called identifiers in the attribute part, which is the integration key for finding out more detailed data about the geographical feature in the database of the primary data administrator. This creates the preconditions for the integration of ZABAGED® within the Public Administration Information system.

Due to the content and geometric inconsistency of information provided by individual primary administrators of geographical data, the Land Survey Office ensures their harmonization so that

ZABAGED® forms a comprehensive topologically harmonized geographical model of the territory of the Czech Republic.

An overview, basic definitions and monitored characteristics of ZABAGED® features are presented in this Catalogue of ZABAGED® features (hereinafter referred to as the Catalogue). The structure of the Catalogue and the names of individual items correspond to the structure of data stored in the ZABAGED® information system in the Land Survey Office. Item names may differ slightly in real data due to the implementation of data formats in different export files.

ZABAGED® data is offered to users in the form of the following products (or user-defined data selections can be provided).

ZABAGED® - Planimetry. 142 types of geographical features, settlements, transport infrastructure, distribution networks and product pipelines, waters, territorial units and protected areas, vegetation and grounds, terrain and selected data on survey control points. Features are represented by a two-dimensional vector spatial component and a descriptive component, containing qualitative and quantitative information about features.

ZABAGED® - Hypsometry – Contours. Contour lines generated from the Digital Terrain Model (DMR 5G). Data set is formed by contour lines with 1 m basic interval, thickened contours with 5 m interval are distinguished by an attribute; data set is completed with auxiliary contour lines with 0,5 m interval in the plain country.

ZABAGED® - Hypsometry – DMR 4G. The 4th generation digital terrain model of the Czech Republic represents the natural or man-made surface in the digital form of elevations of discrete points in a regular network (5 x 5 m) of points with X, Y, H coordinates, where H represents elevation with total mean elevation error of 0.3 m in open terrain and 1 m in wooded terrain. The model has been created from data obtained by the method of airborne laser scanning of the territory of the Czech Republic.

ZABAGED® - Hypsometry – DMR 5G. The 5th generation digital terrain model of the Czech Republic represents the natural or man-made earth surface in digital form represented by elevations of discrete points in an Irregular triangular network (TIN) of X, Y, H coordinates, where H represents elevation with total elevation error of 0.18 m in open terrain and 0.3 m in wooded terrain. The model has been created from data obtained by the method of airborne laser scanning of the territory of the Czech Republic.

ZABAGED® - Hypsometry – DMP 1G. The 1st generation digital surface model of the Czech Republic represents the territory including buildings and vegetation cover in the form of an irregular network of elevation points (TIN) with a total mean error of 0.4 m for precisely defined features (buildings) and 0.7 m for precisely unbounded features (forests and other elements of vegetation cover). The model has been created from data obtained by the method of airborne laser scanning of the territory of the Czech Republic.

INSPIRE – Hydrography. Vector data set water areas of the Czech Republic, harmonized according to the INSPIRE implementing rules and created in a unified form within the whole of Europe.

INSPIRE – Transport networks. Vector data set of transport networks of the Czech Republic harmonized according to INSPIRE implementing rules and created in a unified form within the whole of Europe.

INSPIRE - Elevation above sea level GRID. Altitude raster data set of the Czech Republic harmonized according to the INSPIRE implementing rules and created in a unified form within the whole of Europe.

In accordance with Government Decree No. 430/2006 Coll., On the determination of geodetic reference systems and state map series binding on the territory of the state and the principles of their use, ZABAGED® uses the geodetic reference system of the Unified Trigonometric Cadastral Network (S-JTSK) and the Baltic Vertical Datum - after adjustment (Bpv).

CONTENT AND DESCRIPTION OF INDIVIDUAL CATALOGUE ITEMS

The catalogue is a basic list of ZABAGED® feature types and their attributes. Clearly describes the inclusion of feature types into categories, defines names and meaning, describes their coding, geometric representation, and data source. For each feature type, the structure of database tables is described, in which their non-graphical information - attributes are stored.

The main part of the Catalogue consists of 145 catalogue sheets, each of which is dedicated to one type of feature.

Each sheet contains the following information:

- Feature categories
- Feature type
- Feature code
- Feature definition
- Geometric determination of the feature
- Positional accuracy
- Geometric data source
- Descriptive data source
- Attributes

1.1. Feature categories

Features are divided into 8 categories (classes) according to their meaning:

1. Settlements, economic and cultural features
2. Transport infrastructure
3. Distribution networks and product pipelines
4. Waters
5. Territorial units, including protected areas
6. Vegetation and grounds
7. Terrain relief
8. Survey control points

1.2. Feature type

The feature type is an apt verbal name of the monitored element (feature). For each feature type, its serial number within the feature category is also given.

1.3. Feature type code

Each feature type is assigned a code, which is taken from the DIGEST, or ETDB standard. For feature types that did not appear in the above-mentioned standards, their code was chosen by the Land Survey Office.

For feature types characterizing the type of vegetation or land use, the code of derived area type of the feature is given in brackets.

1.4. Feature definition

Feature definition is a brief description of the real appearance and function of the feature, according to which it is classified before insertion into ZABAGED®.

1.5. Geometric feature determination

The geometric feature determination is a method of vector representation of a specific type of feature. The basic geometric representation is area, line, and point. Some feature types can be represented in two ways, in accordance with the size criteria set for each feature type.

For the primary expression of vegetation type or land use characteristics the centroid of area with a clear border line of land use is applied, from which the area feature is then derived (in the catalogue sheet indicated in brackets).

In the Catalogue, the basic geometric representations are divided in more detail into:

- point
- area centroid
- line
- line - axis of the feature
- perimeter line
- area

1.6. Positional accuracy

It is characterized by the mean positional error of the given feature type. Based on geodetic verification measurements and experience with the evaluation of other types of features on the Orthophoto of the Czech Republic, which is the basic source for updating the planimetric ZABAGED® component, and in accordance with standard ČSN EN ISO 19157 Data quality, the parameter mean positional error (mp) was determined by selecting from a series of standardized mean positional errors 0.5 m - 1.0 m - 1.5 m - 2.0 m - 5.0 m - 10.0 m.

For features whose geometric presentation is a line, the value of positional accuracy is the length of the perpendicular to this line in the place of interest of the ZABAGED® user, for area features the mean positional error of points on the perimeter of the area.

1.7. Source of geometric and descriptive data

The data source describes ways of obtaining information about the position and characteristics of individual types of features.

For most features, the basic source was ZM 10. Since then, there have been 4 x periodic updates of confrontations with the content of the current Orthophoto of the Czech Republic, verified by field local inspection and in the case of buildings also by taking location data from a digital cadastral map if it corresponds to physical reality. For selected feature types, this update is supplemented by continuously obtained information from external administrators.

As a source to obtain geometric data on the position of new and updated features Orthophoto of the ČR, or digital stereo photogrammetric processing of aerial survey photographs, exceptionally also geodetic survey within the periodic field inspection, are used. Data from airborne laser scanning have been used since 2013 to refine the geometric position of selected features. Geometric and descriptive attributes of some features are continuously obtained from external administrators (at least once a year) and are contractually provided.

If the position is listed in the Geonames data source, it means that the name of the feature is taken from the Database of geographical names of the Czech Republic Geonames, which is managed by the Land Survey Office.

The field inspection is not just field tour by land surveyors in the territory. It also includes other sources of information, which, however, are not based on contractually agreed cooperation. This is information provided on the Internet, data obtained from various institutions, municipal authorities, companies, etc.

1.8. Attributes

Attributes express possible properties and characteristics of feature types. Each feature has the attribute FID_ZBG - a unique identifier of the feature in ZABAGED®.

Derived feature types (areas whose code starts with the letters NF...) can be created for each publication of ZABAGED® data anew, therefore FID_ZBG of a spatially and attribute-identical derived feature may not be identical in two versions of ZABAGED® data.

In the Catalogue, the following information is provided for each feature type in the section dedicated to attributes:

Attribute name. Short abbreviation of attribute naming. In the case of code attributes, two attributes are generated that differ in the last place in the name. The attribute with the letter K contains possible code values and the second with the letter P a verbal description of this value.

Data type. Type NUMBER - number of any type, type VARCHAR2 - text string of variable length, where the number in parentheses indicates the number of places reserved for the given attribute value. For type NUMBER, the second number in parentheses indicates the number of decimal places.

Attribute subject. A brief description of the selected, monitored property, characteristics of the feature type is set out in the ZÚ

Attribute values. 1- 100 digit item text, numeric or combined, which is entered directly or selected from a predefined code list. The values in the code lists are taken from the DIGEST standard, from the administrators of other information systems, whose data are used to update ZABAGED®, or added in the ZÚ.

Attribute values, which are taken over from the respective administrators, contain either the properties of the given phenomenon or represent a unique identifier from the administrator's information system and serve as an integration key to the administrator. These are identifiers of watercourses and river basins, numbers of registered roads and motorways, nodal points (road crossings), construction features on roads, designation of line and definition sections of railway lines, codes of territorial units and cadastre areas and more.

Code. Code list value.

Description / meaning of the attribute value. It represents a verbal expression of the code value in the case of a "code list" attribute or an explanation of the feature type identifier scheme in accordance with the relevant administrator's database.

Some attributes have not yet been filled in, as no agreements have yet been concluded with their administrators on the transfer of this data to ZABAGED®.

2. LIST OF CATEGORIES AND FEATURE TYPES

1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES

Features in settlements related to the life of the population, industry or agriculture. The content is mostly structures of various purposes, description of their properties, land use or their identification. These are only the above-ground parts of structures that can be traced in the landscape.

Feature type (with the serial number)	P - planimetry V - altimetry
1.01 OTHER GROUND IN SETTLEMENTS	P
1.02 SINGLE BUILDING OR BLOCK OF BUILDINGS	P
1.03 TOWER, TOWER-LIKE BUILDING	P
1.04 SHAFT MOUTH, GALLERY MOUTH	P
1.05 MINING TOWER	P
1.06 SURFACE MINING, QUARRY	P
1.08 STORING PLACE	P
1.09 SHED, GREENHOUSE, PLASTIC GREENHOUSE, SHELTER	P
1.10 FACTORY CHIMNEY, SMOKESTACK	P
1.11 CONVEYOR BELT	P
1.12 COOLING TOWER	P
1.13 ABOVE GROUND STORAGE TANK	P
1.14 GRAIN SILO	P
1.15 WATER RESERVOIR TOWER	P
1.16 DUMP	P
1.17 WINDMILL	P
1.18 WIND ENGINE	P
1.19 RUINS	P
1.20 MOUND, MONUMENT, GRAVESTONE	P
1.21 CROSS, COLUMN OF CULTURAL SIGNIFICANCE	P
1.22 RAMPART, BANK, BASTION, FORTIFICATION	P
1.23 WALL	P
1.24 CEMETERY	P
1.25 SKI JUMP	P
1.27 AREA OF FUNCTIONAL DEVELOPMENT	P
1.28 ADDITIONAL LINE	P
1.31 DEFINITION POINT OF ADDRESS PLACE	P
1.32 BUNKER	P
1.33 SCHOOL - DEFINITION POINT	P
1.34 POST OFFICE - DEFINITION POINT	P
1.35 FILLING STATION - DEFINITION POINT	P
1.36 METEOROLOGICAL STATION - DEFINITION POINT	P
1.38 PUBLIC ADMINISTRATION OFFICE - DEFINITION POINT	P
1.39 HOSPITAL - DEFINITION POINT	P
1.40 MEDICAL FACILITY - DEFINITION POINT	P
1.41 SOCIAL FACILITY - DEFINITION POINT	P
1.42 EDUCATIONAL FACILITY - DEFINITION POINT	P
1.43 CASTLE	P
1.44 CHATEAU	P

1.45 TOWER-LIKE BUILDING*	P
1.46 GRANDSTAND	P
1.47 COVERED BUILDING FEATURE	P
1.48 GROUND TANK	P
1.49 FIRE STATION, FIRE HOUSE - DEFINITION POINT	P
1.50 POLICE STATION - DEFINITION POINT	P
1.51 FOREIGN DIPLOMATIC MISSION - DEFINITION POINT	P
1.52 CHARGING STATION	P
1.53 BUILDING OBJECT GIA	P

2. TRANSPORT INFRASTRUCTURE

Features representing transport roads (e.g. roads, railways, metro, cable car) and other transport infrastructure (e.g. heliport, tunnel, car park, railway station) of individual modes of transport. With a few exceptions (underground part of the metro, the communication in tunnel), these are above-ground features that are visible and traceable in the landscape.

Feature type (with the serial number)	P - planimetry V - altimetry
2.01 ROAD, MOTORWAY	P
2.02 STREET	P
2.03 CART TRACK	P
2.04 TRAIL	P
2.05 NON-LEVEL CROSSING	P
2.06 UBU LEVEL CROSSING	P
2.07 ROAD NETWORK NODAL POINT (OTHER)	P
2.08 BRIDGE	P
2.09 FOOTBRIDGE	P
2.10 UNDERPASS	P
2.11 LEVEL RAILWAY CROSSING	P
2.12 CULVERT	P
2.13 FERRY	P
2.14 TUNNEL	P
2.15 PARKING, REST AREA	P
2.16 BORDER CROSSING, CONNECTION ACROSS THE BORDER	P
2.17 RAILWAY TRACK	P
2.18 RAILWAY SIDING	P
2.19 RAILWAY YARD	P
2.20 RAILWAY STATION, RAILWAY STOP	P
2.21 METRO STATION	P
2.22 CABLEWAY, SKI LIFT	P
2.23 CABLEWAY PYLON	P
2.24 TRAMWAY	P
2.25 AIRPORT	P
2.26 AIRPORT RUNWAY PERIMETER	P
2.27 AIRPORT RUNWAY AXIS	P
2.28 METRO	P
2.29 SQUARE DEFINITION POINT	P
2.30 FORD	P

2.31 UNREGISTERED ROAD	P
2.32 ROAD IN CONSTRUCTION	P
2.33 AREA OF RAILWAY STATION, STOP	P
2.34 HELIPORT, HELIPAD	P
2.35 RAILWAY TURNTABLE, TRAVERSER	P
2.36 BARRIER	P
2.37 TOURIST HIKING TRAIL	P

3. DISTRIBUTION NETWORKS AND PIPELINES

The most important structures used for the distribution of electric energy, liquid and gas substances. It includes only the above-ground parts of structures that are visible and traceable in the landscape.

Feature type (with the serial number)	P - planimetry V - altimetry
3.01 POWER STATION	P
3.02 DISTRIBUTION SUBSTATION, TRANSFORMER SUBSTATION	P
3.03 POWER LINE	P
3.04 POWER LINE MAST	P
3.05 LONG DISTANCE PRODUCT PIPELINE	P
3.06 PIPELINE PUMPING STATION	P

4. WATERS

Hydrographic features, including structures on watercourses. With a few exceptions (watershed line, underground part of the watercourse), these are above-ground features that are visible and traceable in the landscape.

Feature type (with the serial number)	P - planimetry V - altimetry
4.01 SOURCE OF UNDERGROUND WATER	P
4.02 WATERCOURSE	P
4.03 WATERSHED LINE	P
4.04 ANCHORAGE	P
4.06 WATERFALL	P
4.07 DAM, WEIR	P
4.08 LOCK	P
4.09 AQUEDUCT, INVERTED SIPHON	P
4.10 WATER AREA	P
4.11 BANK LINE	P
4.12 MARSH, BOG	P
4.13 FLOOD WATER RESERVOIR	P
4.14 SHIP ELEVATOR, LIFT	P

5. TERRITORIAL UNITS, INCLUDING PROTECTED AREAS

Features of territorial administrative division of the Czech Republic and specially protected areas.

Feature type (with the serial number)	P - planimetry V - altimetry
5.01 BOUNDARY OF ADMINISTRATIVE UNIT AND CADASTRE UNIT	P
5.13 DEFINITION POINT OF A PART OF MUNICIPALITY	P
5.14 ADMINISTRATIVE UNIT DEFINITION POINT	P
5.15 SMALL SPECIALLY PROTECTED AREA	P
5.16 LARGE SPECIALLY PROTECTED AREA	P
5.17 MINING AREA (*)	P
5.18 PROTECTED DEPOSIT AREA	P
5.19 SPECIAL PROTECTION AREA	P
5.20 SPECIAL AREA OF CONSERVATION	P

6. VEGETATION AND GROUNDS

Features characterizing the type of land cover in a given area. In addition to the auxiliary boundary of use, these features can be traced in the landscape.

Feature type (with the serial number)	P - planimetry V - altimetry
6.01 LAND USE BOUNDARY	P
6.02 ARABLE LAND AND OTHER UNSPECIFIED GROUNDS	P
6.03 HOP-FIELD	P
6.04 ORCHARD, GARDEN	P
6.05 VINEYARD	P
6.06 PERMANENT GRASSLAND	P
6.07 FOREST GROUND WITH TREES	P
6.08 FOREST GROUND WITH SHRUBBERY	P
6.09 FOREST GROUND WITH MOUNTAIN PINE	P
6.10 MAINTAINED GREENERY	P
6.11 SIGNIFICANT OR LONELY TREE, GROVE	P
6.12 LINE VEGETATION	P
6.13 FOREST BREAK	P
6.14 PEATBOG	P
6.15 AUXILIARY LAND USE BOUNDARY	P
6.16 FOREST GROUND WITH TREES CATEGORIZED	P

7. TERRAIN RELIEF

Features describing terrain shapes created by nature or artificially and geomorphological characteristics of landscape. Some features are abstract, untraceable in the field.

Feature type (with the serial number)	P - planimetry V - altimetry
7.01 BOUNDARY OF GEOMORPHOLOGICAL UNIT	P
7.02 CONTOUR LINE	V
7.03 TERRAIN POINT WITH ELEVATION	P / V
7.04 ELEVATION POINT OF TERRAIN RELIEF	V
7.05 ELEVATION POINT OF TERRAIN SURFACE	V
7.06 ROCK FORMS	P

7.07 RAVINE, POTHOLE	P
7.08 LANDSLIDE, DEBRIS	P
7.09 CAVE MOUTH	P
7.10 SOLITARY BOULDER, ROCK, ROCK HUMP	P
7.11 GROUP OF BOULDERS	P
7.12 STEP, STEEP SLOPE	P
7.13 FOOT OF TERRAIN FORM	P

8. SURVEY CONTROL POINTS

A set of permanently monumented points for which coordinates, altitude, or only some of these data are determined in specified geodetic reference systems with given accuracy.

Feature type (with the serial number)	P - planimetry V - altimetry
8.01 POINT OF THE HORIZONTAL CONTROL	P
8.02 POINT OF THE FUNDAMENTAL VERTICAL CONTROL	P
8.03 POINT OF THE FUNDAMENTAL GRAVITY CONTROL	P

3. CATALOGUE SHEETS OF ZABAGED® FEATURE TYPES

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.01 OTHER GROUND IN SETTLEMENTS (OSTATNÍ PLOCHA V SÍDLECH)			
Feature type code:	AL020 (NF121)			
Feature definition: Other areas in settlements, e.g. built-up area, street area, gap-sites.				
Geometric determination of the feature:	area centroid, (area)			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	-			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.02 SINGLE BUILDING OR BLOCK OF BUILDINGS (BUDOVA JEDNOTLIVÁ NEBO BLOK BUDOV)			
Feature type code:	AL015, AL015P			
Feature definition:				
<u>Building</u> - a building structure bordered on the outside by perimeter walls and a roof. These are permanent structures on a solid foundation serving a specific function - civil, industrial, agricultural, transport and special-purpose functions.				
<u>Block of buildings</u> - a continuous group of buildings usually surrounded by streets.				
Geometric determination of the feature:	perimeter line or point			
Positional accuracy:	mp = 1,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition, ISKN			
Descriptive data source:	field recognition, Geonames			
A t t r i b u t e s :				
Attribute name	Data type	Attribute subject	Attribute value / code	
			Attribute value / code	Value significance / description
DRUHBUD	VARCHAR2(200)	type of building		engineering industry chemical industry textile, clothing and leather industry glass, ceramics and building materials industry food industry wood processing and paper industry printing industry metallurgical industry other, undifferentiated industry livestock breeding other agricultural site product pipeline pumping station astronomical observatory church monastery other cultural feature museum theatre school chapel synagogue

S H E E T O F Z A B A G E D [®] F E A T U R E T Y P E				
				sports hall covered pool amusement park unspecified building hangar, warehouse groundwater reservoir filling station meteorological station hospital other health and social facility school facility prison barracks and military facilities police station parking building post office distribution substation, transformer substation administrative and court building fire station, fire house foreign diplomatic mission food shopping centre shopping centre without food
JMENO	VARCHAR2(256)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED [®]		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.03 TOWER, TOWER-LIKE BUILDING (VĚŽ, VĚŽOVITÁ NÁSTAVBA)			
Feature type code:	AL018			
Feature definition: A separate tall building or part of a building (superstructure), in which height predominates, serving defensive, religious, sightseeing, radiocommunication and other purposes.				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 1,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	field recognition, Geonames, VGHMÚř, ČRa			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
PODTYPEOB_K	VARCHAR2(3)	building feature subtype	016	isolated tower
PODTYPEOB_P	VARCHAR2(50)		017	church tower
			018	chapel tower
			019	other tower superstructure
			091	lookout tower
			092	transmitter
			093	lookout building
			301	lookout tower + transmitter
VYSKA_OBJ	NUMBER(4,0)	feature height in metres		
ZDROJVYS_K	VARCHAR2(1)	feature height source	0	not specified
ZDROJVYS_P	VARCHAR2(40)		1	VGHMÚř
			2	ČRa
			3	other
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.04 SHAFT MOUTH, GALLERY MOUTH (ÚSTÍ ŠACHTY, ŠTOLY)			
Feature type code:	AA010			
Feature definition:				
<u>Shaft mouth</u> - a surface object at the point where the shaft opens to the surface.				
<u>Gallery mouth</u> - a modified place on the slope in front of the mouth of the gallery (usually ending with a portal).				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	ČGS, field recognition, Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
STAVOB_K	VARCHAR2(3)	feature use state	026	feature in operation
STAVOB_P	VARCHAR2(50)		027	feature out of operation
DRUHTEZ_K	VARCHAR2(3)	the type of mined material	7	coal
DRUHTEZ_P	VARCHAR2(50)		13	brick clay
			16	stone
			25	sand
			27	ores, radioactive raw materials
			37	ceramic materials
			39	other non-metal ores
		-1	not entered / unknown	
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®.		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.05 MINING TOWER (TĚŽNÍ VĚŽ)			
Feature type code:	AA040			
Feature definition:				
Steel, concrete, exceptionally wooden supporting structure above the mouth of the shaft or borehole, used primarily to ensure the transport of the product extracted by deep mining to the surface.				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	ČGS, field recognition, Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
STAVOB_K	VARCHAR2(3)	the feature use state	026	feature in operation
STAVOB_P	VARCHAR2(50)		027	feature out of operation
DRUHTEZ_K	VARCHAR2(3)	the type of mined material	7	coal
DRUHTEZ_P	VARCHAR2(50)		13	brick clay
			16	stone
			25	sand
			27	ores, radioactive raw materials
			30	petroleum, crude oil
			37	ceramic materials
			39	other non-metal ores
			40	natural gas
		-1	not entered / unknown	
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.06 SURFACE MINING, QUARRY (POVRCHOVÁ TĚŽBA, LOM)			
Feature type code:	AA011 (NF122)			
Feature definition:				
Mining plant in which the useful mineral is mined from deposits situated either on or near the surface. It usually consists of a single mining work together with the relevant objects and facilities (buildings, roads, etc.).				
Geometric determination of the feature:	area centroid, (area)			
Positional accuracy:	m _p = 5,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	ČGS, field recognition, Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
DRUHTEZ_K	VARCHAR2(3)	the type of mined material	7	coal
DRUHTEZ_P	VARCHAR2(50)		13	brick clay
			16	stone
			25	sand
			27	ores, radioactive raw materials
			28	peat
			36	gravel
			37	ceramic materials
			38	limestone, dolomite
			39	other non-metal ores
			-1	not entered / unknown
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.08 STORING PLACE (ÚLOŽNÉ MÍSTO)			
Feature type code:	AM040 (NF124)			
Feature definition: Space for the storage of solid or liquid waste generated during industrial activities.				
Geometric determination of the feature:	area centroid, (area)			
Positional accuracy:	m _p = 5,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
PODTYPEOB_K	VARCHAR2(3)	subtype of the building feature	D	sludge lagoon
PODTYPEOB_P	VARCHAR2(50)		H	mound, waste dump
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.09 SHED, GREENHOUSE, PLASTIC GREENHOUSE, SHELTER (KŮLNA, SKLENÍK, FÓLIOVNÍK, PŘÍSTŘEŠEK)			
Feature type code:	AL019			
Feature definition: <u>Shed</u> - permanent construction of light structure. These are more significant buildings with removable walls and a roof on columns or various haylofts, sheds. <u>Greenhouse</u> - a building for year-round cultivation of plants with a partially controlled environment, with glass walls and a roof, with the possibility of heating and irrigation, if it is built on solid and permanent foundations. <u>Plastic greenhouse</u> - a building similar to a greenhouse, where the walls and roof are made of plastic foils. <u>Shelter</u> - a permanent feature of light construction on a solid foundation, roofed and without perimeter vertical walls (some or all).				
Geometric determination of the feature:	perimeter line			
Positional accuracy:	m _p = 1,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition, ISKN			
Descriptive data source:	field recognition, Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
PODTYPEOB_K	VARCHAR2(3)	building feature subtype	K	shed
PODTYPEOB_P	VARCHAR2(50)		P	shelter
			S	greenhouse, plastic greenhouse
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.10 FACTORY CHIMNEY, SMOKESTACK (TOVÁRNÍ KOMÍN)			
Feature type code:	AF010			
Feature definition: High-rise structure (separate or superstructure on a building), usually of circular cross-section. It is used to remove and disperse exhaust gases, gases and vapours into the air.				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	Geonames, VGHMÚř, ČRa			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
VYSKA_OBJ	NUMBER(4,0)	feature height in metres		
ZDROJVYS_K	VARCHAR2(1)	the source of the feature height	0	not specified
ZDROJVYS_P	VARCHAR2(40)		1	VGHMÚř
			2	ČRa
			3	other
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.11 CONVEYOR BELT (DOPRAVNÍKOVÝ PÁS)			
Feature type code:	AF020			
Feature definition:				
A structural element of a conveying device, the properties of which make it possible to transport the mass loaded on it in an approximately horizontal direction.				
Geometric determination of the feature:	line			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	-			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.12 COOLING TOWER (CHLADICÍ VĚŽ)			
Feature type code:	AF030			
Feature definition: Water / air heat exchanger in which the cooling water of the condenser is cooled in a closed circuit, i.e. a heat exchanger which is a source of cooling in a closed steam cycle and in which the steam of the turbine is condensed.				
Geometric determination of the feature:	perimeter line			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition, ISKN			
Descriptive data source:	VGHMÚř, ČRa			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
VYSKA_OBJ	NUMBER(4,0)	feature height in metres		
ZDROJVYS_K	VARCHAR2(1)	the source of the feature height	0	not specified
ZDROJVYS_P	VARCHAR2(40)		1	VGHMÚř
			2	ČRa
			3	other
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.13 ABOVE GROUND STORAGE TANK (NADZEMNÍ ZÁSOBNÍ NÁDRŽ)			
Feature type code:	AM070			
Feature definition: Above-ground equipment designed for the temporary or permanent storage of liquids or gases, for the storage and continuous or cyclical collection of loose materials, for the storage of loose agricultural products.				
Geometric determination of the feature:	perimeter line			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition, ISKN			
Descriptive data source:	Geonames, VGHMÚř, ČRa			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
VYSKA_OBJ	NUMBER(4,0)	feature height in metres		
ZDROJVYS_K	VARCHAR2(1)	feature height source	0	not specified
ZDROJVYS_P	VARCHAR2(40)		1	VGHMÚř
			2	ČRa
			3	other
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.14 GRAIN SILO (SILO)			
Feature type code:	AM020			
Feature definition:				
High tower reservoir designed for storage of loose agricultural products.				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	VGHMÚř, ČRa			
A t t r i b u t e s :				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
VYSKA_OBJ	NUMBER(4,0)	feature height in metres		
ZDROJVYS_K	VARCHAR2(1)	feature height source	0	not specified
ZDROJVYS_P	VARCHAR2(40)		1	VGHMÚř
			2	ČRa
			3	other
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.15 WATER RESERVOIR TOWER (VODOJEM VĚŽOVÝ)			
Feature type code:	AM080			
Feature definition: A separate water storage facility, usually consisting of several separate tanks, which are located on a supporting structure above the ground; serves to ensure the necessary overpressure in the water supply network.				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	Geonames, VGHMÚř, ČRa			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
VYSKA_OBJ	NUMBER(4,0)	feature height in metres		
ZDROJVYS_K	VARCHAR2(1)	feature height source	0	not specified
ZDROJVYS_P	VARCHAR2(40)		1	VGHMÚř
			2	ČRa
			3	other
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.16 DUMP (SKLÁDKA)			
Feature type code:	AB000 (NF125)			
Feature definition:				
Place where household (municipal) waste is deposited, or waste generated by industrial or construction activities (waste dump) and free space intended for storage of various extracted materials - sand, coal, etc. (material dump).				
Geometric determination of the feature:		area centroid, (area)		
Positional accuracy:		m _p = 2,0 m		
Geometric data source:		aerial survey photos, orthophoto, field recognition		
Descriptive data source:		field recognition, Geonames		
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
STAVOB_K	VARCHAR2(3)	feature use state	026	feature in operation
STAVOB_P	VARCHAR2(50)		027	feature out of operation
PODTYPEOB_K	VARCHAR2(3)	building feature subtype	M	material dump
PODTYPEOB_P	VARCHAR2(50)		O	waste dump
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.17 WINDMILL (VĚTRNÝ MLÝN)			
Feature type code:	AJ050			
Feature definition:				
A historical type of windmill propelled by a wind motor. It is usually a tower building with a front-mounted wind wheel in places with constant winds.				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.18 WIND ENGINE (VĚTRNÝ MOTOR)			
Feature type code:	AJ051			
Feature definition:				
An object with a drive machine converting wind energy into mechanical work used mainly to drive pumps and electric generators of smaller outputs.				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	ERÚ, VGHMÚř, ČRa			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
ID_ERU	VARCHAR2(15)	power station ID according to ERÚ	XXXXX_TYY	XXXXX ... serial number of source YY ... source type
VYSKA_OBJ	NUMBER(4,0)	feature height in metres		
ZDROJVYS_K	VARCHAR2(1)	source of the feature height	0	not specified
ZDROJVYS_P	VARCHAR2(40)		1	VGHMÚř
			2	ČRa
			3	other
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.19 RUINS (ROZVALINA, ZŘÍCENINA)			
Feature type code:	AL200			
Feature definition:				
<u>Chateau ruin</u> - an abandoned and unused historical building of the chateau, which is preserved in an incomplete condition caused by gradual decay with the participation of natural influences or deliberate demolition and which is listed in the NPÚ List of Immovable Cultural Monuments.				
<u>Castle ruin</u> - an abandoned and unsued historical building of the castle, which is preserved in an incomplete condition caused by gradual decay with the participation of natural influences or deliberate demolition and which is listed in the NPÚ List of Immovable Cultural Monuments.				
<u>Other ruin</u> - an abandoned and unused historical building (especially church, chapel, monastery, fortress), which is preserved in an incomplete condition caused by gradual decay with the participation of natural influences or deliberate demolition.				
<u>Ruin</u> - a partially ruined, abandoned and unused building (or the remains of a ruined building), which is not a historic building.				
Geometric determination of the feature:		perimeter line		
Positional accuracy:		m _p = 5,0 m		
Geometric data source:		aerial survey photos, orthophoto, field recognition, ISKN		
Descriptive data source:		field recognition, Geonames		
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
PODTYPEOB_K	VARCHAR2(3)	building feature subtype (semantic values of attribute will be gradually filled in)	ZZ	chateau ruins
PODTYPEOB_P	VARCHAR2(50)		ZH	castle ruins
			Z	other ruin
			R	ruins
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.20 MOUND, MONUMENT, GRAVESTONE (MOHYLA, POMNÍK, NÁHROBEK)			
Feature type code:	AL130			
Feature definition:				
<u>Mound</u> - usually a conical or longitudinal mound above a prehistoric or early historical grave, sometimes also with various other construction.				
<u>Monument</u> - a sculptural or architectural structure built in memory of a significant event or person.				
<u>Gravestone</u> - an architectural or sculptural formation above the grave.				
Geometric determination of the feature:		point		
Positional accuracy:		m _p = 2,0 m		
Geometric data source:		aerial survey photos, orthophoto, field recognition		
Descriptive data source:		Geonames		
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.21 CROSS, COLUMN OF CULTURAL SIGNIFICANCE (KŘÍŽ, SLOUP KULTURNÍHO VÝZNAMU)			
Feature type code:	AL090			
Feature definition: <u>The cross</u> - a small sacral structure, a symbol of the Christian faith - usually a depiction of Jesus Christ on a cross placed in open terrain. <u>A column of cultural significance</u> - a small sacral building, a column with a religious image or sculpture (sculptural work) or a monumental column with a religious theme erected in public spaces (e.g. plague column, Marian column).				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.22 RAMPART, BANK, BASTION, FORTIFICATION (HRADBA, VAL, BAŠTA, OPEVNĚNÍ)			
Feature type code:	AH010			
Feature definition:				
<u>Rampart</u> - a massive enclosure wall, the main means of defence of the medieval fortifications.				
<u>Bank</u> - a simple embankment representing the remains of historic fortifications.				
<u>Bastion</u> - part of the fortification extending from the continuous line of the defensive wall, designed for lateral shelling of the attacker.				
<u>Fortification</u> - landscaping providing military defence of a particular building or territory.				
Geometric determination of the feature:		line		
Positional accuracy:		m _p = 2,0 m		
Geometric data source:		aerial survey photos, orthophoto, field recognition		
Descriptive data source:		Geonames		
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.23 WALL (ZEĎ)			
Feature type code:	AL260			
Feature definition:				
A separate building made of solid material (concrete, brick, stone, etc.). It includes cemetery walls, retaining walls, massive walls, which act as a fence, and noise barriers along roads.				
Geometric determination of the feature:	line			
Positional accuracy:	m _p = 1,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	field recognition, ŘSD ČR, Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
TYPZED_K	VARCHAR2(3)	wall type	ZOP	retaining wall
TYPZED_P	VARCHAR2(30)		ZVD	wall of a waterwork
			ZOS	other wall
			PHS	noise barrier
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

[illegible]

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.25 SKI JUMP (LYŽAŘSKÝ MŮSTEK)			
Feature type code:	AK150			
Feature definition: A structure adapted for ski jumping or flying; it consists of a ramp and a bounce table.				
Geometric determination of the feature:	line			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	-			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.27 AREA OF FUNCTIONAL DEVELOPMENT (AREÁL ÚČELOVÉ ZÁSTAVBY)			
Feature type code:	AL000 (NF127)			
Feature definition: An area, usually with buildings, which serves a specific function (economic, transport, cultural, recreational, sports) and is clearly defined (usually by land use boundaries, often fencing). The method of using the area is specified by its attribute.				
Geometric determination of the feature:	area centroid, (area)			
Positional accuracy:	m _p = 2,0 m (points on the perimeter of the area)			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	field recognition, Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
TYPZAST_K	VARCHAR2(3)	type of area of functional development	101	deep mining
TYPZAST_P	VARCHAR2(50)		102	engineering industry
			103	chemical industry
			104	textile, clothing and leather industry
			105	glass, ceramics and building materials industry
			106	food industry
			107	wood processing and paper industry
			108	printing industry
			109	metallurgical industry
			110	other, undifferentiated industry
			111	livestock breeding
			112	other agricultural site
			113	greenhouse crop production
			201	castle (ruine) site
			202	chateau site
			203	archaeological site
			204	astronomical observatory
			205	church
			206	chapel
		207	other cultural feature	
		208	museum	
		209	summer scene	

S H E E T O F Z A B A G E D®				F E A T U R E T Y P E
			210	school
			211	exhibition ground
			212	open-air museum
			213	ZOO, safari
			214	botanic garden
			215	school facility
			301	sports complex
			302	swimming complex
			303	stadium
			304	racecourse, show jumping
			305	auto-moto-cycling complex
			306	golf complex
			307	shooting range
			308	SLZ fields
			309	swimming pool
			310	camping site
			311	playground
			312	cottage colony
			313	recreational development
			314	dog training ground
			315	amusement park
			316	gardening settlement
			401	warehouse, hangar
			402	port
			403	depot
			404	technical services
			405	water treatment plant
			406	wastewater treatment plant
			407	groundwater reservoir
			408	bus station
			409	filling station
			410	meteorological station
			411	transmitter
			412	hospital
			413	other health and social facilities
			414	prison
			415	barracks and military facilities
			416	group garages
			417	fire station, fire house
			418	police compound

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JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED [®]		

[illegible]

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.31 DEFINITION POINT OF ADDRESS PLACE (DEFINIČNÍ BOD ADRESNÍHO MÍSTA)			
Feature type code:	AL016			
Feature definition:				
A point locating a place in the terrain to which an address of the building can be unambiguously assigned.				
Geometric determination of the feature:	point			
Positional accuracy:	-			
Geometric data source:	RÚIAN, ZÚ			
Descriptive data source:	RÚIAN			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
DOMCIS	NUMBER(5,0)	value of house number		
TDOMCIS_K TDOMCIS_P	NUMBER(4,0) VARCHAR2(50)	type of house number	1 2	description house number evidence house number
NAZEOBCE	VARCHAR2(48)	municipality name		
NAZEVULICE	VARCHAR2(48)	street name		
ULICE_ID	NUMBER(7,0)	street identifier		
ORIENCIS	VARCHAR2(6)	orientation number		
PSC	VARCHAR2(5)	postcode		
CASTOBCE	VARCHAR2(40)	name of municipality part		
OKRES	VARCHAR2(40)	district name		
KODKATASTR	NUMBER(6,0)	code of cadastre unit		
DPARCIS_K DPARCIS_P	NUMBER(1,0) VARCHAR2(80)	type of parcel number	1 2	building parcel land parcel or any parcel with uniform numbering
PARCIS	NUMBER(5,0)	parcel number		
PARPODLOM	NUMBER(3,0)	parcel number breaking		
CUZKBUD_ID	NUMBER(30,0)	building identifier in ISKN		
SOI_KOD	VARCHAR2(9)	code of building feature in RÚIAN		
TEA_KOD	VARCHAR2(30)	record code of detailed technical and economic attributes of the house / entrance		
ID_RUIAN	NUMBER(9,0)	address point identifier in RÚIAN		
URL_RUIAN	VARCHAR2(82)	URL link allowing to directly display an information about the given feature in RÚIAN		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.32 BUNKER (BUNKR)			
Feature type code:	AM060			
Feature definition:				
Concrete objects of military origin, used to hide people during combat activities or training, built until 1950. It also includes civil defense observation posts built during the Cold War period.				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 5,0 m			
Geometric data source:	field recognition, aerial survey photos, orthophoto, GPS, VGHMÚř			
Descriptive data source:	field recognition, Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
TYPBUNKR_K	VARCHAR2(10)	bunker type	TO	heavy object of pre-war Czechoslovak fortification
TYPBUNKR_P	VARCHAR2(100)		LO36	light object of the old type of pre-war Czechoslovak fortification
			LO37	light object of a new type of pre-war Czechoslovak fortification
			Strel-N	German shooting ranges operating object from World War II
			Strel-CS	Czechoslovak object for operating shooting ranges from the second half of the 1940s
			Polsky	Polish fortification object from 1939
			Poz-CO	civil defense observation post
			Ostatní	other
			Neurčeno	not determined
OZNACENI	VARCHAR2(80)	designation of the feature, name obtained by studying historical documents and field recognition		
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.33 SCHOOL - DEFINITION POINT (ŠKOLA - DEFINIČNÍ BOD)			
Feature type code:	FUC26			
Feature definition: Place of provision of general or vocational education and training (from kindergarten to university). These are places of performance based on the database of the MŠMT ČR. The content does not include crèches and various training centres.				
Geometric determination of the feature:	point			
Positional accuracy:	-			
Geometric data source:	MŠMT ČR (RŠŠZ), orthophoto, field recognition			
Descriptive data source:	MŠMT ČR (RŠŠZ), field recognition			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
IZO	VARCHAR2(9)	identifier of the place of performance of the school activity	xxxxxxxxx 111111111 999999999	MŠMT ČR identifier for all levels of schools excepting universities school feature not kept in recent MŠMT ČR register of schools university (x ... numeral or space)
VZDELANI_K	VARCHAR2(3)	education level according to the code list of the MŠMT ČR	A00	kindergartens
VZDELANI_P	VARCHAR2(80)		A10	regular kindergarten
			A13	kindergarten at the facility for institutional and protective education
			A14	kindergarten at the medical facility
			A15	forest kindergarten
			A16	kindergarten established according to § 16 Sect. 9 of the School Act
			B00	primary schools
			B10	regular primary school
			B13	primary school at the facility for institutional and protective education
			B14	primary school at the medical facility
			B16	primary school established according to § 16 Sect..9 of the School Act
			B31	special primary school
			C00	secondary schools
			C10	regular secondary school

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			C16 C93 D00 D10 D16 E00 E10 E16 V00 V01 V02 V03 V04	secondary school established according to § 16 Sect. 9 of the School Act secondary school at the facility for institutional and protective education conservatories regular conservatory conservatory established according to § 16 Sect. 9 of the School Act secondary vocational schools regular secondary vocational school secondary vocational school established according to § 16 Sect. 9 of the School Act universities public university state university private university foreign university
NAZEV	VARCHAR2(255)	official name of the school		
IZONEW	VARCHAR2(9)	school / facility identifier according to the MŠMT ČR		
RED_IZO	VARCHAR2(9)	branch identifier of the legal person		
ID_RUIAN	NUMBER (9,0)	address point identifier in the RÚIAN according to the MŠMT ČR		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED [®]		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.34 POST OFFICE – DEFINITION POINT (POŠTA - DEFINIČNÍ BOD)			
Feature type code:	FUC34			
Feature definition: The place where are provided the services of the Czech Post, s.p. for the public, including contractual partners and dispensing points. The content does not include post offices, package transhipments and depots.				
Geometric determination of the feature:	point			
Positional accuracy:	-			
Geometric data source:	Czech Post, s.p., field recognition			
Descriptive data source:	Czech Post, s.p., field recognition			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
PSC	VARCHAR2(5)	postal code		
TYPPOSTY_K	VARCHAR2(3)	type of place where postal services for the public are performed	PST	post office
TYPPOSTY_P	VARCHAR2(50)		SPP	independent post office partner
			PP1	partner 1
			PP2	partner 2
			VM1	dispensing point 1
			VM2	dispensing point 2
NAZEV	VARCHAR2(40)	post office name		
ID_RUIAN	NUMBER (9,0)	identifier in the RÚIAN according to Czech Post, s.p.		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.35 FILLING STATION - DEFINITION POINT (ČERPACÍ STANICE POHONNÝCH HMOT - DEFINIČNÍ BOD)			
Feature type code:	AQ170			
Feature definition: A place where fuel is sold to the public.				
Geometric determination of the feature:	point			
Positional accuracy:	-			
Geometric data source:	MPO ČR, ortophoto, field recognition			
Descriptive data source:	MPO ČR, field recognition			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
EVCS	VARCHAR2(8)	registration code of filling station in the database of the MPO ČR	XXXXXXXX	MPO ČR identifier for all types of filling stations
			11111111	filling station not registered by MPO ČR (X ... numeral or space)
TYPES_K TYPES_P	VARCHAR2(3) VARCHAR2(30)	type of filling station	003 004 005 010 200	public filling station according to the MPO, only LPG public filling station according to the MPO, only CNG public filling station according to the MPO, only LNG public filling station according to the MPO not registered
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.36 METEOROLOGICAL STATION - DEFINITION POINT (METEOROLOGICKÁ STANICE - DEFINIČNÍ BOD)			
Feature type code:	RES04			
Feature definition:				
The place where the meteorological data measurement equipment is located.				
Geometric determination of the feature:	point			
Positional accuracy:	-			
Geometric data source:	ČHMÚ, ŘSD ČR, field investigation			
Descriptive data source:	ČHMÚ, ŘSD ČR			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
ID_METEO	VARCHAR2(9)	meteorological station identifier according to its administrator	xNxxxxNN	AMS or AKS type of meteorological station
			RADAR00N	RADAR type of meteorological station
			x9x0NNNN	SILNICE (road) type of meteorological station
			OSTNNNNN	OSTATNÍ (other) type of meteorological station
			11111111	new station of OSTATNÍ (other) type not equipped with code of administrator yet (x ... letter, N ... numeral)
NAZEV	VARCHAR2(50)	official name of the meteorological station according to its administrator		
TYPMETEO_K TYPMETEO_P	VARCHAR2(8)	type of meteorological station according its administrator	AMS	automated meteorological station
	VARCHAR2(80)		AMS1	automated meteorological station of combined type
			AMS2	automated meteorological station without operator
			AMS3	automated meteorological station without operator
			AKS1	automated climatological station of type I
			AKS2	automated climatological station of type II
			AKS3	automated climatological station of type III

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			AKS4	automated climatological station of type IV
			AKS	automated climatological station
			ASNS	automated snow gauge station
			RADAR	meteorological radar
			SILNICE	road meteorological station
			OSTATNÍ	other meteorological station
URL	VARCHAR2(256)	URL link that allows to display the currently measured physical quantities at the station.		
PROVOZ	VARCHAR2(10)	meteorological station operator		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED [®]		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.38 PUBLIC ADMINISTRATION OFFICE - DEFINITION POINT (ÚŘAD VEŘEJNÉ SPRÁVY - DEFINIČNÍ BOD)			
Feature type code:	FUC32			
Feature definition:				
The place where public services are provided, the public interest is ensured at the local, regional and central level (territorial administration, state administration).				
Geometric determination of the feature:	point			
Positional accuracy:	-			
Geometric data source:	MV ČR, othophoto, field recognition			
Descriptive data source:	MV ČR, field recognition			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
D_URAD	VARCHAR2(15)	public administration office identifier	xxxxxxx_yyy 11111111	xxxxxxx ... identification number of the office yyy serial number of the office office identifier found within terrain investigation
NAZEV	VARCHAR2(200)	name according the MV ČR		
UVS_TYP_K UVS_TYP_P	VARCHAR2(1) VARCHAR2(8)	designation of the office according to the MV ČR	1 2 3	office bureau not specified
STATUT_K STATUT_P	VARCHAR2(4) VARCHAR2(100)	office statutes	US MIN UOSS NEDF	territorial self-government ministry another central state administration body undefined
PRAVFOR_K PRAVFOR_P	VARCHAR2(3) VARCHAR2(75)	legal form according to the code list of legal forms of the ROS	804 811 801 325 111 0	region town districts of the capital city Prague municipality organizational unit of the state town districts of statutory cities undefined
ID_RUIAN	NUMBER (9,0)	address point identifier in the RÚIAN according to the MV ČR		
FID_ZBG	VARCHAR2(40)	unique address point identifier in the RÚIAN according to the MV ČR		

Feature category:		1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES		
Feature type:		1.39 HOSPITAL - DEFINITION POINT (NEMOCNICE - DEFINIČNÍ BOD)		
Feature type code:		FUC22		
Feature definition: Place of providing outpatient and acute inpatient care.				
Geometric determination of the feature:		point		
Positional accuracy:		-		
Geometric data source:		ÚZIS (NRPZS), orthophoto, field recognition		
Descriptive data source:		ÚZIS (NRPZS), field recognition		
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
ID_UZIS	VARCHAR2(14)	identifier of the medical facility according to the ÚZIS	xxxxxxxxxyyyzzz 111111111	ÚZIS identifier for all sanitary facilities in database xxxxxxx .. identification number yyy serial number of facility zzz serial number of detached working place sanitary facility object not introduced in ÚZIS register
NAZEV	VARCHAR2(255)	name of the medical facility according to the ÚZIS		
DRZAR_K DRZAR_P	VARCHAR2(3) VARCHAR2(60)	type of facility according to the ÚZIS	101 102 103 104	university hospital hospital specialised hospital psychiatric hospital
ID_RUIAN	NUMBER (9,0)	address point identifier in RÚIAN according to the ÚZIS		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:		1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES		
Feature type:		1.40 MEDICAL FACILITY - DEFINITION POINT (ZDRAVOTNICKÉ ZAŘÍZENÍ - DEFINIČNÍ BOD)		
Feature type code:		FUC23		
Feature definition:				
The place of providing medical care (inpatient, outpatient and nursing), except for acute care that is provided in hospitals.				
Geometric determination of the feature:		point		
Positional accuracy:		-		
Geometric data source:		ÚZIS (NRPZS), orthophoto, field recognition		
Descriptive data source:		ÚZIS (NRPZS), field recognition		
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
ID_UZIS	VARCHAR2(14)	identifier of medical facility according to the ÚZIS	xxxxxxxxxyyyzzz 111111111 99999999	ÚZIS identifier for all sanitary facilities in database xxxxxxx .. identification number yyy identification number zzz serial number of detached working place sanitary facility object not introduced in ÚZIS register association of 4 or more doctors in one building
NAZEV	VARCHAR2(255)	name of the medical facility according to the ÚZIS		
DRZAR_K DRZAR_P	VARCHAR2(3) VARCHAR2(60)	type of facility according to the ÚZIS	105 110 111 112 113 119 122 129 130 180	aftercare hospital treatment centre for the long-term sick (LDN) tuberculosis and respiratory diseases hospital (TRN) psychiatric hospital rehabilitation institute other specialized medical facilities children's psychiatric hospital other children's specialized medical facilities spa treatment centre hospice

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			190	other bed facility
			301	provider of outpatient services (over 5 disciplines)
			302	provider of outpatient services (up to 5 disciplines)
			305	assisted reproduction center
			310	health centre
			430	children's centre
			431	children's short stay hospital
			450	other children's facilities
			888	association of 4 or more doctors in one building
			999	other types of facilities
ID_RUIAN	NUMBER (9,0)	address point identifier in the RÚIAN according to the ÚZIS.		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED [®]		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.41 SOCIAL FACILITY - DEFINITION POINT (SOCIÁLNÍ ZAŘÍZENÍ - DEFINIČNÍ BOD)			
Feature type code:	FUC21			
Feature definition:				
Place of providing social care according to the Register of social service providers of the MPSV ČR. These are mainly residential social services (e.g. reception shelters, homes for the disabled, homes for the elderly), selected out (e.g. day hospitals) and home services (e.g. home care).				
Geometric determination of the feature:	point			
Positional accuracy:	-			
Geometric data source:	MPSV ČR (RPSS), othophoto, field investigation			
Descriptive data source:	MPSV ČR (RPSS), field investigation			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
ID_MPSV	VARCHAR2(16)	identifier of social the institution according to the MPSV ČR	xxxxxxxxxxxxxxxx 11111111	social facility identifier according to MPSV ČR social facility feature not introduced in MPSV ČR database
NAZEV	VARCHAR2(255)	name of the social institution according to the MPSV ČR		
DRSOZA_K DRSOZA_P	VARCHAR2(3) VARCHAR2(60)	type of social institution according to the MPSV ČR	4 8 9 10 11 12 13 14 15 16 20 21 22 23 24	care service relieving services day care centres day care centres week care centres homes for the disabled person homes for the elderly homes with a special regime protected housing social services provided in inpatient medical facilities shelters halfway houses contact centres crisis assistance low-threshold day centres

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			25 27 30 31 33 34 999	low-threshold facilities for children and youth aftercare services social therapy workshops therapeutic communities social rehabilitation intervention centres other types of facilities
FORMA_K FORMA_P	VARCHAR2(3) VARCHAR2(24)	form of providing the social services according to the MPSV ČR	1 2 3 0	residential outpatient terrain undefined
ID_RUIAN	NUMBER (9,0)	identifier in RÚIAN according to MPSV ČR		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED [®]		

Feature category:		1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES		
Feature type:		1.42 EDUCATIONAL FACILITY - DEFINITION POINT (ŠKOLSKÉ ZAŘÍZENÍ - DEFINIČNÍ BOD)		
Feature type code:		FUC25		
Feature definition:				
A place for the provision of services and education that complement or support education in schools or are directly related to it or provide institutional and protective education or preventive pedagogical care.				
Geometric determination of the feature:		point		
Positional accuracy:		-		
Geometric data source:		MŠMT ČR (RŠŠZ), orthophoto, field recognition		
Descriptive data source:		MŠMT ČR (RŠŠZ), field recognition		
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
IZO	VARCHAR2(9)	identifier of educational facility according to the MŠMT ČR	xxxxxxxxx 222222222	MŠMT ČR identifier for all school facilities school facility feature not introduced in MŠMT ČR database (x ... numeral or space)
NAZEV	VARCHAR2(255)	name of educational facility according to the MŠMT ČR		
VZDELANI_K VZDELANI_P	VARCHAR2(3) VARCHAR2(79)	type of educational facility according to the MŠMT	J00 J11 J12 J13 J14 J21 999	school facilities for the performance of institutional educational, protective educational and for preventive educational care children's home children's home with school educational facility diagnostic facility centre of educational care other types of facilities
IZONEW	VARCHAR2(9)	identifier of the school / educational facility according to the MŠMT ČR		
RED_IZO	VARCHAR2(9)	branch identifier of the legal person		
ID_RUIAN	NUMBER (9,0)	Address point identifier in the RUIAN according to the MŠMT ČR		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.43 CASTLE (HRAD)			
Feature type code:	AL375			
Feature definition: A fortified feudal seat built mostly between the 11th and 16th centuries. The building is listed in the NPÚ List of Immovable Cultural Monuments.				
Geometric determination of the feature:	perimeter line			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition, ISKN			
Descriptive data source:	field recognition, Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.44 CHATEAU (ZÁMEK)			
Feature type code:	AL371			
Feature definition: Extensive, artistically richly decorated building, which served aristocratic families and later also members of the Grand Bourgeois as a representative and comfortable seat, and bordered on the outside by perimeter walls and roof. The building is listed in the NPÚ List of Immovable Cultural Monuments.				
Geometric determination of the feature:	perimeter line			
Positional accuracy:	m _p = 1,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	field recognition, Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.45 TOWER-LIKE BUILDING (VĚŽOVITÁ STAVBA)			
Feature type code:	AL220			
Feature definition:				
Significant by area an independent slim building which serves for defence, religious, lookout, radiocommunication and other purposes, where the height predominates.				
Geometric determination of the feature:	perimeter line			
Positional accuracy:	m _p = 1,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition, ISKN			
Descriptive data source:	field recognition, Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.46 GRANDSTAND (TRIBUNA)			
Feature type code:	AK110			
Feature definition:				
A building or structure in the shape of a stepped auditorium, sometimes with built-in functional spaces and a roof.				
Geometric determination of the feature:	perimeter line			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition, ISKN			
Descriptive data source:	field recognition, Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.47 COVERED BUILDING FEATURE (STAVEBNÍ OBJEKT ZAKRYTÝ)			
Feature type code:	AL250			
Feature definition: Permanent building serving a specific function, this includes underground apartment buildings, wine cellars, airport hives, covered bunkers, groundwater reservoirs, underground garages, metro entrances, etc.				
Geometric determination of the feature:	perimeter line			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition, ISKN			
Descriptive data source:	field recognition, Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.48 GROUND TANK (POZEMNÍ NÁDRŽ)			
Feature type code:	BH041			
Feature definition:				
<u>Wastewater treatment</u> - construction of artificial tanks for removing suspensions (i.e. dispersed solid particles) from water by settling. These include tanks for water treatment in ČOV (Waste Water Treatment Plants), tanks used in manure management (farm premises), in industrial enterprises or as rainwater storage tanks at important roads.				
<u>Swimming pool</u> - construction of artificial tanks intended for swimming.				
<u>Fish tank</u> - construction of artificial tanks intended for fish farming.				
<u>Other ground reservoirs</u> - construction of artificial reservoirs without a known purpose.				
Geometric determination of the feature:		perimeter line		
Positional accuracy:		m _p = 2,0 m		
Geometric data source:		aerial survey photos, orthophoto, field recognition, ISKN		
Descriptive data source:		field recognition, Geonames		
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
PODTYPEOB_K	VARCHAR2(3)	building feature subtype		
PODTYPEOB_P	VARCHAR2(50)			
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.49 FIRE STATION, FIRE HOUSE - DEFINITION POINT (HASIČSKÁ STANICE, ZBROJNICE - DEFINIČNÍ BOD)			
Feature type code:	FUC45			
Feature definition: Place where troops of fire protection are permanently allocated. <u>Fire station</u> - a building and related premises intended for the continuous performance of fire services by firefighters assigned to the regional Fire Rescue Service unit or the company's Fire and Rescue Service unit and intended for fire equipment and material fire protection equipment. <u>Fire house</u> - a building and related premises intended for the performance of services by firefighters assigned to the Volunteer Fire Department of a municipality or to the Volunteer Fire Department unit of a company intended for fire equipment and material fire protection equipment.				
Geometric determination of the feature:	point			
Positional accuracy:	-			
Geometric data source:	HZS ČR, orthophoto, field recognition			
Descriptive data source:	HZS ČR, field recognition			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
ID_JPO	VARCHAR2(9)	feature identifier of JPO		
TYPJPO_K	VARCHAR2(3)	JPO feature type according to administrator		
TYPJPO_P	VARCHAR2(30)			
NAZEVOBCE	VARCHAR2(50)			
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.50 POLICE STATION - DEFINITION POINT (POLICEJNÍ SLUŽEBNA - DEFINIČNÍ BOD)			
Feature type code:	FUC36			
Feature definition: A place where the police station is located.				
Geometric determination of the feature:	point			
Positional accuracy:	-			
Geometric data source:	Policie ČR, orthophoto, field recognition			
Descriptive data source:	Policie ČR, field recognition			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
ID_PS	VARCHAR2(9)	feature identifier of police station	xxxx 111111111	identifier of police station according to Police of the Czech Republic feature, which is not in the administrator database
TYPPS_K TYPPS_P	VARCHAR2(3) VARCHAR2(60)	type of police station	DI DO ICP KRP OOP PO PS UO	Traffic Inspectorate Highway Patrol Foreign Police Inspectorate Regional Police Directorate District Police Directorate River Police Department Police Office Territorial Division
NAZEV_PS	VARCHAR2(80)	name of police station		
ID_RUIAN	NUMBER (9,0)	address point identifier in RÚIAN according to the PČR		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.51 FOREIGN DIPLOMATIC MISSION - DEFINITION POINT (CIZÍ ZASTUPITELSKÝ ÚŘAD - DEFINIČNÍ BOD)			
Feature type code:	FUC46			
Feature definition:				
A place where the diplomatic representation of a foreign state or the seat of an international governmental organization is located in the Czech Republic.				
Geometric determination of the feature:	point			
Positional accuracy:	-			
Geometric data source:	MZV ČR, orthophoto, field recognition			
Descriptive data source:	MZV ČR			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
NAZEV_STAT	VARCHAR2(80)	state		
TYP CZU_K TYP CZU_P	VARCHAR2(2) VARCHAR2(50)	type of foreign diplomatic mission	VE OV KO MO	Embassy Embassy Section Consulate Office of an International Governmental Organization
NAZEV_CZU	VARCHAR2(100)	name of foreign diplomatic mission		
ID_RUIAN	NUMBER (9,0)	address point identifier in RUIAN		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.52 CHARGING STATION (DOBÍJECÍ STANICE)			
Feature type code:	AQ220			
Feature definition: A compact device equipped with one or more charging points that have the same operator and are used for charging the batteries of an electric vehicle.				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	MPO ČR, orthophoto, field recognition			
Descriptive data source:	MPO ČR, field recognition			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
TYPDS_K TYPDS_P	VARCHAR2(6) VARCHAR2(60)	type of charging station	AC AC+DC DC N	alternating current charging alternating current, direct current charging direct current charging unspecified
POCET_DS	NUMBER(4,0)	the number of charging stations at a given location		
POCET_DB	NUMBER(4,0)	the total number of charging points at a given location		
PROVOZOVATEL	VARCHAR2(100)	charging station operator		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	1. SETTLEMENT, ECONOMIC AND CULTURAL FEATURES			
Feature type:	1.53 BUILDING OBJECT GIA (STAVEBNÍ OBJEKT GIA)			
Feature type code:	AL915			
Feature definition:				
Building object registered as an element of physical infrastructure for the purposes of Regulation (EU) 2024/1309, which can serve to host elements of high-speed electronic communications networks and is concurrently owned or controlled by a network operator or a public sector body.				
Geometric determination of the feature:	perimeter line			
Positional accuracy:	m _p = 1,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition, ISKN			
Descriptive data source:	ISKN			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
IDVLASTNIK	VARCHAR2(50)	ID of the building object owner		
V_ICO	NUMBER(8)	Company Registration Number (IČO) of the building object owner		
V_NAZEVI	VARCHAR2(255)	name of the building object owner		
V_ADRSIDLO	VARCHAR2(255)	registered address of the building object owner		
V_ADRDORUC	VARCHAR2(255)	mailing address of the building object owner		
V_TELEFON	VARCHAR2(50)	contact phone number of the building object owner		
V_EMAIL	VARCHAR2(100)	contact email of the building object owner		
V_IDDS	VARCHAR2(10)	contact Data Box ID of the building object owner		
V_URL	VARCHAR2(50)	URL address of the building object owner		
KU	VARCHAR2(100)	cadastral area		
OBEC	VARCHAR2(100)	municipality		
IDSPRAVCE	VARCHAR2(50)	ID of the manager or operator of the building object		
S_NAZEVI	VARCHAR2(255)	name of the manager or operator of the building object		
S_TELEFON	VARCHAR2(50)	contact phone number of the manager or operator of the building object		

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S_EMAIL	VARCHAR2(100)	contact email of the manager or operator of the building object		
S_IDDS	VARCHAR2(10)	Contact Data Box ID of the manager or operator of the building object		
S_URL	VARCHAR2(50)	URL address of the manager or operator of the building object		
POZNAMKA	VARCHAR2(255)	note		
FID_ZBG	VARCHAR2(40)	unique identifier of the object in ZABAGED [®]		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.01 ROAD, MOTORWAY (SILNICE, DÁLNIČE)			
Feature type code:	AP001			
Feature definition:				
<u>Road</u> - a terrestrial road included in the category of a road network, with level and non-level crossings. According to their importance, it is divided into roads for motor vehicles, 1st, 2nd and 3rd class roads.				
<u>Motorway</u> - road included in the category of motorway network, directionally divided, with non-level crossing with all other roads. It is divided into 1st and 2nd class motorways.				
Geometric determination of the feature:		line - axis of road, motorway		
Positional accuracy:		m _p = 0,5 m		
Geometric data source:		aerial survey photos, orthophoto, LLS, field recognition		
Descriptive data source:		ŘSD ČR, SDB, Geonames		
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
SILNICE	VARCHAR2(8)	designation of transport route	axxxxbc	a letter of motorway, otherwise numeral xxxx numeral or space b..... letter or space c..... traffic direction (values 1, 2, space)
CISLOUSEKU	VARCHAR2(20)	the section number of the registered transport route		section number of registered transport route compound of initial and final node of the section
PEAZKOM1	VARCHAR2(8)	road concurrence 1	axxxxbc	see atribut SILNICE
PEAZKOM2	VARCHAR2(8)	road concurrence 2	axxxxbc	see atribut SILNICE
PEAZKOM3	VARCHAR2(8)	road concurrence 3	axxxxbc	see atribut SILNICE
PEAZKOM4	VARCHAR2(8)	road concurrence 4	axxxxbc	see atribut SILNICE
TYP SIL_K TYP SIL_P	VARCHAR2(3) VARCHAR2(50)	class of registered transport route	D1 D2 M S1 S2 S3	class 1 motorway class 2 motorway road for motor vehicles road class I road class II road class III

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			D1p	motorway class I beam
			D1v	motorway class I branch
			D2p	motorway class II beam
			D2v	motorway class II branch
			Mp	road for motor vehicles beam
			Mv	road for motor vehicles branch
			S1p	road class I beam
			S1v	road class I branch
			S2p	road class II beam
			S2v	road class II branch
			S3p	road class III beam
			S3v	road class III branch
ETAH1	VARCHAR2(8)	European international road number 1		
ETAH2	VARCHAR2(8)	European international road number 2		
ETAH3	VARCHAR2(8)	European international road number 3		
VYM_TAHY_K VYM_TAHY_P	VARCHAR2(1) VARCHAR2(100)	specified routes including toll fee	F	free of toll road for motor vehicles (SMV)
			G	road for motor vehicles (SMV) - performance charging (by electronic toll system)
			I	other road class I - performance charging (by electronic toll system)
			K	motorway - time and performance charging (by electronic toll system)
			L	free of toll motorway
			O	motorway - performance charging only (by electronic toll system)
			P	provisionally inserted section that is used (the code is used for road sections indexed H to Z except N)
			Q	provisionally inserted section that is not used
			R	provisionally cancelled section that is used (in Prague)
			S	provisionally cancelled section that is used (other)
			T	preliminarily cancelled section that is not used (the code is used for road sections indexed H to Z except N)
			U	motorway - tolled only time-based
			1	N SMV preliminarily included by the authority - free of toll
			2	N SMV preliminarily included by the authority - performance charging (by electronic toll system)
			3	N road class I preliminarily included by the authority - performance charging only (by electronic toll system)

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			4	N motorway preliminary assigned by the authority - time and performance charging (by electronic toll system)
			5	N motorway preliminary assigned by the authority - free of toll
			6	N motorway preliminary assigned by the authority - performance charging only (by electronic toll system)
			7	N motorway preliminary assigned by the authority - time-based toll
R_INDSIL7	VARCHAR2(8)	designation of registered transport route without directional division		
KRUH_OBJ_K KRUH_OBJ_P	VARCHAR2(1) VARCHAR2(50)	roundabout identification	K ~	roundabout is not roundabout
DPR_SMER_K DPR_SMER_P	NUMBER(1,0) VARCHAR2(80)	traffic directions in the section	0 1 2	two-way section direction of traffic on the section agrees with the orientation of the section traffic direction on the section is against the orientation of the section
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED [®]		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.02 STREET (ULICE)			
Feature type code:	AP002			
Feature definition: Road in the settlement unit regardless of its width.				
Geometric determination of the feature:	line - axis of street			
Positional accuracy:	m _p = 1,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition, documentation furnished by municipality			
Descriptive data source:	field recognition, RÚIAN			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
NAZEV	VARCHAR2(100)	street name		
TYPULICE_K TYPULICE_P	VARCHAR2(3) VARCHAR2(50)	street type	025 026 926 925 125 225	street impassable in the settlement street passable in the settlement street passable outside the settlement street impassable outside the settlement street non-existent in the terrain pedestrian type street
ULICE_ID	NUMBER(7,0)	identifier of the named street (public space) according to RÚIAN		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.03 CART TRACK (CESTA)			
Feature type code:	AP010			
Feature definition: Local or special-purpose road caused by driving a strip of land with possible improvement by local earthworks and random surface treatment or created by deliberate execution of the most necessary earthworks eventually surface treatment in its entire width.				
Geometric determination of the feature:	line - axis of path			
Positional accuracy:	m _p = 1,0 m (maintained road, park and cemetery road) m _p = 2,0 m (road not maintained)			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	field recognition, Geonames, NIL			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
TYPCESTY_K	VARCHAR2(3)	transport route type	025	not maintained cart track
TYPCESTY_P	VARCHAR2(50)		026	maintained cart track
			099	park and cemetery cart track
POVRCH_K	VARCHAR2(1)	surface type	Z	reinforced (asphalt, concrete)
POVRCH_P	VARCHAR2(60)		P	reinforced (panel, paving)
			T	reinforced (load-bearing terrain, gravel, hardened surface)
			K	reinforced (wooden, metal, other structures)
			H	insufficiently reinforced (grass, clay, sand, stones)
			O	not specified
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.04 TRAIL (PĚŠINA)			
Feature type code:	AP003			
Feature definition: Road functionally and structurally intended mainly for pedestrian traffic.				
Geometric determination of the feature:	line - axis of path			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	field recognition, Geonames, NIL			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
TYPUSKOM_K	VARCHAR2(3)	transport route section subtype	025	not maintained trail
TYPUSKOM_P	VARCHAR2(50)		026	maintained trail
POVRCH_K	VARCHAR2(1)	surface type	Z	reinforced (asphalt, concrete)
POVRCH_P	VARCHAR2(60)		P	reinforced (panel, paving)
			T	reinforced (load-bearing terrain, gravel, hardened surface)
			K	reinforced (wooden, metal, other structures)
			H	insufficiently reinforced (grass, clay, sand, stones)
		O	not specified	
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.05 NON-LEVEL CROSSING (KŘÍŽOVATKA MIMOÚROVNŮVÁ)			
Feature type code:	AP020			
Feature definition: Nodal point within a non-level crossing of registered roads.				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	ŘSD ČR, SDB			
A t t r i b u t e s :				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
CISLOUZLU	VARCHAR2(10)	nodal point number	xxxxAyyyzz or xxxxByyyzz	xxxx.... nomenclature of relevant SM 50 map sheet (without dash) A, B.... nodal point of A type (basic) or B type (auxiliary) y to yyy number designated order of nodal point with relevant SM 50 map sheet zz..... serial number of nodal point in complicated crossing
EXIT	VARCHAR2(4)	motorway exit designation (EXIT)	xxx(y)	designation of motorway km value where EXIT occurs x ... numeral (y) ... small letter (eventually)
SILNICE1	VARCHAR2(8)	designation of registered transport route 1	axxxxbc	see object 2.01 atribut SILNICE
SILNICE2	VARCHAR2(8)	designation of registered transport route 2	axxxxbc	see object 2.01 atribut SILNICE
SILNICE3	VARCHAR2(8)	designation of registered transport route 3	axxxxbc	see object 2.01 atribut SILNICE
SILNICE4	VARCHAR2(8)	designation of registered transport route 4	axxxxbc	see object 2.01 atribut SILNICE
SILNICE5	VARCHAR2(8)	designation of registered transport route 5	axxxxbc	see object 2.01 atribut SILNICE
CHAR_UZL_K CHAR_UZL_P	VARCHAR2(1) VARCHAR2(150)	nodal point characteristics	M N	grade-separated junction of monitored transport routes grade-separated junction of monitored transport route with unmonitored transport route, which has sections on the branches assigned to the monitored transport route
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.06 UBU LEVEL CROSSING (KŘÍŽOVATKA ÚROVŇOVÁ)			
Feature type code:	AQ062			
Feature definition:				
Nodal point within the level crossing of registered roads.				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 1,5 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	ŘSD ČR, SDB			
A t t r i b u t e s :				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
CISLOUZLU	VARCHAR2(10)	nodal point number	xxxxAyyy or xxxxByyy	see object 2.05 atribut CISLOUZLU
EXIT	VARCHAR2(4)	motorway exit designation (EXIT)	xxx(y)	designation of motorway km value where EXIT occurs x numeral (y) small letter (eventually)
SILNICE1	VARCHAR2(8)	designation of registered transport route 1	axxxxxbc	see object 2.01 atribut SILNICE
SILNICE2	VARCHAR2(8)	designation of registered transport route 2	axxxxxbc	see object 2.01 atribut SILNICE
SILNICE3	VARCHAR2(8)	designation of registered transport route 3	axxxxxbc	see object 2.01 atribut SILNICE
SILNICE4	VARCHAR2(8)	designation of registered transport route 4	axxxxxbc	see object 2.01 atribut SILNICE
SILNICE5	VARCHAR2(8)	designation of registered transport route 5	axxxxxbc	see object 2.01 atribut SILNICE
CHAR_UZL_K CHAR_UZL_P	VARCHAR2(1) VARCHAR2(150)	nodal point characteristics	R U	level crossing of the monitored transport route with the unmonitored transport route, which has sections on the branches assigned to the monitored transport route level crossing of monitored transport routes
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.07 ROAD NETWORK NODAL POINT (OTHER) (UZLOVÝ BOD SILNIČNÍ SÍŤ (OSTATNÍ))			
Feature type code:	AP004			
Feature definition: A specified point situated in the road and motorway network (but not on unregistered roads) at a place such as the beginning and end of the road or the beginning and end of a four-lane (or multi-lane) road, road intersection, motorway with state border (type "A") and then the point at which roads or motorways cross a designated administrative boundary, usually district but not state (type "B").				
Geometric determination of the feature:	point			
Positional accuracy:	provided by the feature manager			
Geometric data source:	aerial survey photos, orthophoto, field recognition, ŘSD ČR			
Descriptive data source:	ŘSD ČR, SDB			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
CISLOUZLU	VARCHAR2(10)	nodal point number	xxxxAyyyyz or xxxxByyyzz	see object 2.05 atribut CISLOUZLU
SILNICE1	VARCHAR2(8)	designation of registered transport route 1	axxxxabc	see object 2.01 atribut SILNICE
SILNICE2	VARCHAR2(8)	designation of registered transport route 2	axxxxabc	see object 2.01 atribut SILNICE
CHAR_UZL_K CHAR_UZL_P	VARCHAR2(1) VARCHAR2(150)	nodal point characteristics	B	district administrative boundary
			1	beginning or end of the transport route outside the intersection or even at the state border
			2	beginning or end of the ferry
			3	beginning or end of an unbuilt section
			4	beginning or end of the military area
			5	beginning or end of the transport route at the state border of the Czech Republic, if the transport route has a continuation to a foreign state
			6	beginning or end of directionally divided transport route
			7	point of unambiguity
			8	point at which the number of traffic directions changes
		9	another point	
		O	rest area	
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE				
Feature type:	2.08 BRIDGE (MOST)				
Feature type code:	AQ040				
Feature definition:					
Bridge feature (or part of it) with a horizontal clearance greater than 2 m, used to transfer traffic routes. Bridges are also considered to be elevated roads for guiding road or rail vehicles.					
Geometric determination of the feature:	line				
Positional accuracy:	m _p = 1,0 m				
Geometric data source:	aerial survey photos, orthophoto, LLS, field recognition				
Descriptive data source:	ŘSD ČR, SDB, Geonames				
Attributes:					
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description	
SILNICE	VARCHAR2(8)	designation of registered transport route	axxxxbc	see object 2.01 atribut SILNICE	
IDENT_OBJ	VARCHAR2(14)	number of the building feature on road, motorway	xxxxx_-zzzklm	xxxxxx designation of registered transport route _ space - minus zzz serial number of feature on the transport route k..... registration of additional features (letter or space) l..... registration of features in complex crossing (numeral or space) m..... feature location relatively to directionally divided transport route body (values 1, 2, 3) 1, 2... for directionally dividing 3..... commonly for both divided parts (indexes can be two simultaneously only, if 1st and 2nd index is not used, space will be introduced)	
KOD_ZELEZ	VARCHAR2(6)	designation of the track and definition section of the railway	xxxxyy	see object 2.17 atribut KOD_ZELEZ	
PREMOST_K PREMOST_P I	VARCHAR2(3) VARCHAR2(50)	object of bridging	1 2 3	road local transport route special purpose transport route	

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			4	railway or siding
			5	watercourse with constant flow
			6	watercourse with occasional flow
			7	flood plain
			8	cableway
			9	sewer or piping
			0	water reservoir
			A	footbridge
			B	bio corridor
			C	watercourse+bio corridor
			D	motorway
			E	road class II
			F	road class III
			G	watercourse+local transport route
			H	watercourse+railway+road
			I	road class I
			J	another obstacle
			K	railway and road
			L	railway and motorway
			M	road and motorway
			N	watercourse and road
			P	watercourse and motorway
			R	watercourse and railway
			S	nature obstacle
			T	tram track
			U	tram track+road
			0	unknown object
DELKA_PREM	NUMBER(6,2)	bridge length in metres to two decimal places	-1	length not found out
CELK_SIR_M	NUMBER(6,2)	total width of the bridge in metres to two decimal places	-1	width not found out
NORM_ZATIZ	NUMBER(3)	normal load capacity in tonnes	-1	carrying capacity not found out
MATERIAL_K MATERIAL_P	VARCHAR2(3) VARCHAR2(50)	material of the supporting structure	1	wood
			2	stone
			3	bricks
			4	plain concrete
			5	reinforced concrete
			6	prestressed concrete
			7	reinforced concrete prefabricated parts
			8	prestressed concrete prefabricated parts

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			9 0 J S T 000	solid steel plain girders steel trussed girders other material coupled construction other steel constructions unknown material
V_M_N_TER	NUMBER(5,2)	height of the bridge over the terrain in metres to two decimal places	-1	height not found out
URL	VARCHAR2(256)	URL link that allows to display directly information about the feature kept by the ŘSD ČR		
LEVEL	NUMBER(1,0)	level of the object's location above the ground level	1 2	the first object in the sequence above the ground level the second object in the sequence above the ground level
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.09 FOOTBRIDGE (LÁVKA)			
Feature type code:	AQ043 (AQ043P)			
Feature definition:				
A separate bridge feature serving pedestrians when overcoming water, or other natural obstacles, as well as when overcoming railway, road or street, as well as product pipelines, pipelines and other artificial obstacles.				
Geometric determination of the feature:	line or point			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	Geonames			
A t t r i b u t e s :				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.10 UNDERPASS (PODJEZD)			
Feature type code:	AQ041 (AQ041P)			
Feature definition: Non-level crossing of a road (motorway, road) with another road, in which the considered road is led under the crossed road. Within the feature, there are public covered passages through the buildings.				
Geometric determination of the feature:	line or point			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	ŘSD ČR, SDB			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
SILNICE	VARCHAR2(8)	designation of registered transport route	axxxxbc	see object 2.01 atribut SILNICE
IDENT_OBJ	VARCHAR2(14)	number of the building feature on the registered transport route	xxxxx_-zzzklm	see object 2.08 atribut IDENT_OBJ
PREVED_K PREVED_P	VARCHAR2(3) VARCHAR2(50)	subject of transfer	1 2 3 4 5 6 7 8 9 0 A B C D E	road local transport route special purpose transport route railway or siding watercourse with constant flow watercourse with occasional flow flood plain cableway sewer or piping water reservoir footbridge bio corridor watercourse+bio corridor motorway road class II

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			D	road class III
			G	watercourse+local transport route
			H	watercourse+railway+road
			I	road class I
			J	another obstacle
			K	railway and road
			L	railway and motorway
			M	road and motorway
			N	watercourse and road
			P	watercourse and motorway
			R	watercourse and railway
			S	nature obstacle
			T	tram track
			U	tram track+road
			0	unknown object
VOL_SIRKA1	NUMBER(6,2)	free width in metres to two decimal places	-1	width not found out
VOL_VYSKA1	NUMBER(6,2)	free height above the road surface in metres to two decimal places	-1	height not found out
URL	VARCHAR2(256)	URL link that allows to display directly information about the feature kept by the ŘSD ČR		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED [®]		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.11 LEVEL RAILWAY CROSSING (ŽELEZNIČNÍ PŘEJEZD)			
Feature type code:	AQ042 (AQ042P)			
Feature definition:				
Secure level crossing of a railway line, siding or other track with a road that is adapted for crossing of vehicles or pedestrians.				
Geometric determination of the feature:	line or point			
Positional accuracy:	m _p = 1,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	Správa železnic, s. o., ŘSD ČR, SDB			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
KOD_DRAH	VARCHAR2(6)	designation of the railway crossing	Pxxxxx	x ... numeral or space
ZABEZP_K ZABEZP_P	VARCHAR2(3) VARCHAR2(50)	type of railway crossing security	51 52 53 54 55 56	barriers barriers and light warning without barriers with light warning warning cross special regime unknown
SILNICE	VARCHAR2(8)	designation of registered transport route	axxxxxbc	see object 2.01 atribut SILNICE
IDENT_OBJ	VARCHAR2(14)	number of the building feature on the registered transport route	xxxxxx_-zzzklm	see object 2.08 atribut IDENT_OBJ
KOD_ZELEZ1	VARCHAR2(6)	designation of track and definition section of a railway	xxxxyy	see object 2.17 atribut KOD_ZELEZ
KOD_ZELEZ2	VARCHAR2(6)	designation of the 2 nd track and definition section of a railway	xxxxyy	see object 2.17 atribut KOD_ZELEZ
KOD_ZELEZ3	VARCHAR2(6)	designation of the 3 rd track and definition section of a railway	xxxxyy	see object 2.17 atribut KOD_ZELEZ
KOD_ZELEZ4	VARCHAR2(6)	designation of the 4 th track and definition section of a railway	xxxxyy	see object 2.17 atribut KOD_ZELEZ
KOD_ZELEZ5	VARCHAR2(6)	designation of the 5 th track and definition section of a railway	xxxxyy	see object 2.17 atribut KOD_ZELEZ
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

[illegible]

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.13 FERRY (PŘÍVOZ)			
Feature type code:	AQ080			
Feature definition:				
A set of facilities and vessels for carrying persons, vehicles and cargos across a watercourse or reservoir between landing facilities on opposite shores.				
Geometric determination of the feature:	line			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	SPS, ŘSD ČR, SDB, Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
SILNICE	VARCHAR2(8)	designation of registered transport route	axxxxbc	see object 2.01 atribut SILNICE
IDENT_OBJ	VARCHAR2(14)	number of building feature on registered transport route	xxxxx_-zzklm	see object 2.08 atribut IDENT_OBJ
NAZEVTOKU	VARCHAR2(60)	Name of the watercourse (or water reservoir)		
DRUH_DOP_K	NUMBER(1,0)	type of transport suitable to use the ferry	1	pedestrian only
DRUH_DOP_P	VARCHAR2(80)		2	pedestrian, bicycle
			3	pedestrian, bicycle, motorcycle
			4	pedestrian, bicycle, motorized (vehicle weight up to 10 tons)
			5	pedestrian, bicycle, motorized (vehicle weight over 10 tons)
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.14 TUNNEL (TUNEL)			
Feature type code:	AQ130			
Feature definition:				
A feature enabling road or rail route to overcome natural obstacles by transferring below ground level.				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, Správa železnic, s. o., field recognition,			
Descriptive data source:	ŘSD ČR, SDB, Správa železnic, s. o., Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
SILNICE	VARCHAR2(8)	designation of registered transport route	axxxxxbc	see object 2.01 atribut SILNICE
IDENT_OBJ	VARCHAR2(14)	number of building feature on registered transport route	xxxxxx_-zzzklm	see object 2.08 atribut IDENT_OBJ
KOD_ZELEZ	VARCHAR2(6)	designation of the track and definition section of the railway	xxxxyy	see object 2.17 atribut KOD_ZELEZ
DEL_TUNELU	NUMBER(6,2)	tunnel length in metres to two decimal place	-1	length not found out
VOL_SIRKA1	NUMBER(6,2)	free width in metres to two decimal places	-1	length not found out
VOL_VYSKA1	NUMBER(6,2)	free height in metres to two decimal places	-1	length not found out
URL	VARCHAR2(256)	URL link that allows to display directly information about the feature kept by the ŘSD ČR		
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.15 PARKING, REST AREA (PARKOVIŠTĚ, ODPOČÍVKA)			
Feature type code:	AQ135 (NF128)			
Feature definition:				
<u>Parking</u> – a structurally and operationally defined area of a local or purpose-built road intended for parking a road motor vehicle.				
<u>Rest area</u> – a structurally and operationally defined area of a motorway, road or local road intended for free parking of a road motor vehicle for the time necessary to ensure safety and smoothness of road traffic and for rest of users, or for their refreshment and refuelling.				
Geometric determination of the feature:	area centroid, (area)			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	ŘSD ČR, aerial survey photos, orthophoto, field recognition			
Descriptive data source:	ŘSD ČR			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
TYP_K	VARCHAR2(1)	type of parking area	P	parking
TYP_P	VARCHAR2(10)		O	rest area
NAZEV	VARCHAR2(50)	name of rest area according to ŘSD ČR		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.16 BORDER CROSSING, CONNECTION ACROSS THE BORDER (HRANIČNÍ PŘECHOD, PŘEŠHRANIČNÍ PROPOJENÍ)			
Feature type code:	FA125			
Feature definition:				
Officially announced place destined for crossing of exterior or interior boundaries of the Czech Republic.				
Geometric determination of the feature:	point			
Positional accuracy:	-			
Geometric data source:	ZÚ			
Descriptive data source:	MV ČR, ZÚ			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
ID_OBJ	VARCHAR2(15)	unique feature identifier	AAxyyyy airport ICAO code	AA ... code of neighbouring county BA – Bavaria PL – Poland RA – Austria SA – Saxony SA – Slovakia xx ... number of border section yyyy ... systém number on a border within one neighbouring country (A ... letter) (xy ... numeral) see object 2.25 atribut KOD_ICAO
TYP_OBJ_K TYP_OBJ_P	VARCHAR2(3) VARCHAR2(80)	type of border connection	PHP PHP HC	border crossing connection across the border boarder road
NAZEV_CZ	VARCHAR2(80)	designation in Czech language		
NAZEV_ZAHR	VARCHAR2(80)	designation in bordering country language		
STAT_K STAT_P	VARCHAR2(3) VARCHAR2(80)	international code of bordering country	AUT DEU POL SVK INT	Austria Germany Poland Slovakia international airport

S H E E T O F Z A B A G E D [®] F E A T U R E T Y P E				
DOPR_K DOPR_P	VARCHAR2(4) VARCHAR2(80)	transport type	LET LOD PES SIL1 SIL2 ZEL	aerial shipping pedestrian road registered by ŘSD ČR other road railway
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED [®]		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.17 RAILWAY TRACK (ŽELEZNIČNÍ TRÁŤ)			
Feature type code:	AN010			
Feature definition:				
A section of tracks on a railway body belonging to one section of a railway.				
Geometric determination of the feature:	line – axis of railway track			
Positional accuracy:	m _p = 0,5 m			
Geometric data source:	aerial survey photos, orthophoto, LLS, field recognition			
Descriptive data source:	Správa železnic, s. o., Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
KOD_ZELEZ	VARCHAR2(6)	designation of the track and definition section of the railway	xxxxyy	xxxx..... designation of railway track section yy..... designation of railway definition section x,y alpha-numerical designation
TYPROZCH_K TYPROZCH_P	VARCHAR2(3) VARCHAR2(50)	track gauge	004 005	narrow track gauge standard track gauge
TYPTRATI_K TYPTRATI_P	VARCHAR2(3) VARCHAR2(50)	railway electrification	001 004	electrified railway / siding non electrified railway / siding
VLASTNIK_K VLASTNIK_P	VARCHAR2(3) VARCHAR2(50)	railway owner	005 006 999	state railway private railway not specified
POCETKOLEJ	NUMBER(2,0)	number of tracks	xx	xx ... number of tracks
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.18 RAILWAY SIDING (ŽELEZNIČNÍ VLEČKA)			
Feature type code:	AN050			
Feature definition:				
A railway which serves primarily the needs of a particular enterprise and runs into a continuous railway network either directly or through another siding and has the same track gauge.				
Geometric determination of the feature:	line – axis of railway siding			
Positional accuracy:	m _p = 0,5 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	Správa železnic, s. o., field recognition, Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
KOD_ZELEZ	VARCHAR2(6)	designation of the track and definition section of the siding	xxxxyy	see object 2.17 atribut KOD_ZELEZ
TYPROZCH_K TYPROZCH_P	VARCHAR2(3) VARCHAR2(50)	track gauge	004 005	narrow track gauge standard track gauge
TYPTRATI_K TYPTRATI_P	VARCHAR2(3) VARCHAR2(50)	railway electrification	001 004	electrified railway / siding non electrified railway / siding
POCETKOLEJ	NUMBER(2,0)	number of tracks	xx	xx ... number of tracks
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

[illegible]

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.20 RAILWAY STATION, RAILWAY STOP (ŽELEZNIČNÍ STANICE, ZASTÁVKA)			
Feature type code:	AQ126			
Feature definition:				
A marked and equipped place on the railway line in the determined manner, intended mainly for boarding (disembarking) of passengers to (from) the train.				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	Správa železnic, s. o., aerial survey photos, orthophoto, field recognition			
Descriptive data source:	Správa železnic, s. o.			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
ZST_K	VARCHAR2(6)	code and name of the transport place according to the Správa železnic, s.o. or at other track owners according to the ZÚ	axxxx	a... number (code according to SŽ) or letter Z (according to ZÚ)
ZST_P	VARCHAR2(64)			x.... number
TYP	VARCHAR2(20)	type of transport place according to the Správa železnic, s.o. (Railway Administration) or track owner		railway station railway stop
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.21 METRO STATION (STANICE METRA)			
Feature type code:	AQ127			
Feature definition: A place on the metro line intended for boarding and disembarking of passengers.				
Geometric determination of the feature:	point			
Positional accuracy:	$m_p = 10,0$ m			
Geometric data source:	orthophoto, field recognition			
Descriptive data source:	field recognition			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
STMETRO_K	NUMBER(5,0)	code and station name from the current code list of metro stations		
STMETRO_P	VARCHAR2(50)			
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.22 CABLEWAY, SKI LIFT (LANOVÁ DRÁHA, LYŽAŘSKÝ VLEK)			
Feature type code:	AQ010			
Feature definition:				
<u>Cableway</u> – a transport device whose wagons are pulled by a rope (overland cableway with a track formed by rails placed on a railway body) or carried by a rope (suspended cableway with a track formed by a rope or a suspended rail) along a steep track.				
<u>Ski lift</u> – an individual single-rope orbit with non-detachable hangers for to transport of skiers.				
Geometric determination of the feature:	line – cable way axis, ski lift axis			
Positional accuracy:	m _p = 1,5 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	field recognition, Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
TYPUSKOM_K TYPUSKOM_P	VARCHAR2(3) VARCHAR2(50)	subtype of the transport route section	PL V PP	surface suspension underground
TYP_LDV_K TYP_LDV_P	VARCHAR2(3) VARCHAR2(50)	type of cableway, ski lift	KAB SED NAK VLL VLV	cabin cable car chair lift freight cableway ski lift water sport lift
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.23 CABLEWAY PYLON (STOŽÁR LANOVÉ DRÁHY)			
Feature type code:	AQ020			
Feature definition:				
Metal truss structure carrying cables on the track of a cable car or ski lift.				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 1,5 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	-			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.24 TRAMWAY (TRAMVAJOVÁ DRÁHA)			
Feature type code:	AN011			
Feature definition:				
Traffic road created by rails laid at the level of the road surface or on a special body of the tramway.				
Geometric determination of the feature:	line – axis of tramway			
Positional accuracy:	m _p = 0,5 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	-			
A t t r i b u t e s :				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.25 AIRPORT (LETIŠTĚ)			
Feature type code:	GB005 (NF130)			
Feature definition:				
Territorially delimited and suitably modified area, including a set of aviation structures and airport equipment, permanently intended for take-offs and landings of aircrafts and for related aircraft movements (Section 2 of Act No. 49/1997 Coll., as amended).				
Geometric determination of the feature:		area centroid (area)		
Positional accuracy:		m _p = 2,0 m		
Geometric data source:		ŘLP ČR, AIP, aerial survey photos, orthophoto, field recognition		
Descriptive data source:		ŘLP ČR, AIP		
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
KOD_ICAO NAZEV	VARCHAR2(4) VARCHAR2(50)	ICAO code and name of airport		
KOD_IATA	VARCHAR2(3)	IATA airport code		
TYPLET_K TYPLET_P	VARCHAR2(10) VARCHAR2(100)	airport type	M M-INTL M-INTL-P INTL-NTL INTL-NTL-P NTL NTL-P	military airport military airport with international civilian traffic (public) military airport with international civilian traffic (private) civilian international airport (public) civilian international airport (private) domestic airport with civil traffic (public) civil domestic airport (private)
PRISTROJ_K PRISTROJ_P	VARCHAR2(3) VARCHAR2(50)	use of instruments	IFR VFR	IFR flights (by instruments) VFR flights (with visibility)
NADM_VYSKA	NUMBER(4,0)	airport ARP altitude in feet		
ARP	VARCHAR2(30)	geographical coordinates of ARP		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.26 AIRPORT RUNWAY PERIMETER (OBVOD LETIŠTNÍ DRÁHY)			
Feature type code:	GB055			
Feature definition:				
Area delimited by the perimeter of runways or taxiways with a paved surface.				
Geometric determination of the feature:	perimeter line			
Positional accuracy:	m _p = 1,0 m			
Geometric data source:	ŘLP ČR, AIP, aerial survey photos, orthophoto, field recognition			
Descriptive data source:	ŘLP ČR, AIP			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
KOD_ICAO NAZEV	VARCHAR2(4) VARCHAR2(50)	ICAO code and name of airport		
OZNACDRAHY	VARCHAR2(15)	runway name/azimuth		
TYPDRAHY_K TYPDRAHY_P	VARCHAR2(2) VARCHAR2(50)	airport runway type	PV PO	landing and takeoff tax
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.27 AIRPORT RUNWAY AXIS (OSA LETIŠTNÍ DRÁHY)			
Feature type code:	GB054			
Feature definition:				
Axis of the runway or taxiway.				
Geometric determination of the feature:	line – runway axis			
Positional accuracy:	m _p = 1,0 m (runway with paved surface) m _p = 2,0 m (runway with unpaved surface)			
Geometric data source:	ŘLP ČR, AIP, aerial survey photos, orthophoto, field recognition			
Descriptive data source:	ŘLP ČR, AIP			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
KOD_IC;AO NAZEV	VARCHAR2(4) VARCHAR2(50)	ICAO code and name of airport		
OZNACDRAHY	VARCHAR2(15)	runway name/azimuth		
TYPDRAHY_K TYPDRAHY_P	VARCHAR2(2) VARCHAR2(50)	airport runway type	PV PO	landing and takeoff taxi
POVRCH_K POVRCH_P	VARCHAR2(1) VARCHAR2(50)	surface type	Z N	reinforced (asphalt, concrete) not consolidated (grass)
DELKA	NUMBER(4,0)	length of the airport runway in metres		
SIRKA	NUMBER(3,0)	width of the airport runway in metres		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.28 METRO (METRO)			
Feature type code:	AN012			
Feature definition: Electrified expressway for public transport in large cities, run on its own body, usually underground, and not level crossing any other road.				
Geometric determination of the feature:	line – axis of metro track			
Positional accuracy:	m _p = 1,0 m (above-ground section of the metro) m _p = 5,0 m (underground section of metro)			
Geometric data source:	orthophoto, field recognition			
Descriptive data source:	field recognition			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
TYPUSKOM_K TYPUSKOM_P	VARCHAR2(3) VARCHAR2(50)	transport route section subtype	N P	above ground metro section underground metro section
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.29 SQUARE DEFINITION POINT (DEFINIČNÍ BOD NÁMĚSTÍ)			
Feature type code:	AL170			
Feature definition:				
The point to which the name of a square or the name of such a public space is related, the location of which cannot be or is not suitable expressed by the street axis (AP002).				
Geometric determination of the feature:	point			
Positional accuracy:	-			
Geometric data source:	orthophoto, field recognition			
Descriptive data source:	municipality			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
NAZEV	VARCHAR2(50)	name of square		
ULICE_ID	NUMBER(7,0)	identifier of square or public space according to RUIAN		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.30 FORD (BROD)			
Feature type code:	BH070			
Feature definition:				
Natural or modified crossing for vehicles across a watercourse in its shallow section.				
Geometric determination of the feature:	line			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	ŘSD ČR, SDB, Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
SILNICE	VARCHAR2(8)	designation of the registered transport route	axxxxbc	see object 2.01 atribut SILNICE
IDENT_OBJ	VARCHAR2(14)	number of the building feature on the registered transport route	xxxxxx_-zzzklm	see object 2.08 atribut IDENT_OBJ
NAZEVTOKU	VARCHAR2(60)	name of the watercourse		
CHAR_BROD_K CHAR_BROD_P	VARCHAR2(2) VARCHAR2(20)	ford characteristics	01 02 03	shallow medium deep
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.31 UNREGISTERED ROAD (SILNICE NEEVIDOVANÁ)			
Feature type code:	AP011			
Feature definition:				
Local or special-purpose road outside the settlement, which is not assigned a number by the ŘSD ČR, which is more than 4 m wide and has a solid surface.				
Geometric determination of the feature:	line – axis of road			
Positional accuracy:	m _p = 0,5 m			
Geometric data source:	aerial survey photos, orthophoto, LLS, field recognition			
Descriptive data source:	Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.32 ROAD IN CONSTRUCTION (SILNICE VE VÝSTAVBĚ)			
Feature type code:	AP012			
Feature definition:				
Newly built road, the technical condition of which does not yet meet the conditions for inclusion in the road network.				
Geometric determination of the feature:	line- axis of road			
Positional accuracy:	m _p = 5,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	ŘSD ČR, SDB			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
SILNICE	VARCHAR2(8)	number of registered transport route	axxxxbc	see object 2.01 atribut SILNICE
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.33 AREA OF RAILWAY STATION, STOP (AREÁL ŽELEZNIČNÍ STANICE, ZASTÁVKY)			
Feature type code:	AQ125 (NF134)			
Feature definition:				
Functional and technical background of the railway station or stop delimiting the main station building, technical structures (loading ramps, warehouses) and other buildings and areas belonging to the functional background.				
Geometric determination of the feature:	area centroid, (area)			
Positional accuracy:	m _p = 5,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	Správa železnic, s. o.			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
ZST_K ZST_P	VARCHAR2(6) VARCHAR2(64)	code and name of the transport place according to the Správa železnic, s.o. (Railway Administration) or at other track owners according to the ZÚ	axxxxx	a... number (code according to SŽ) or letter Z (according to ZÚ) x.... number
TYP	VARCHAR2(20)	type of transport place according to the Správa železnic, s.o. (Railway Administration), or track owner		railway station railway stop
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.34 HELIPORT, HELIPAD (HELIPORT)			
Feature type code:	GB035			
Feature definition:				
Helicopter landing and take-off area.				
Geometric determination of the feature:	perimeter line			
Positional accuracy:	m _p = 1,5 m			
Geometric data source:	ŘLP ČR, AIP, field recognition			
Descriptive data source:	ŘLP ČR, AIP, field recognition			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
KOD NAZEV	VARCHAR2(6) VARCHAR2(100)	of the heliport from the official list according to the AIP or specified in the ZÚ	Lkaa Zxxx	ICAO code and name (a....letter) heliport is not listed in AIP (x....number)
UPRESHEL	VARCHAR2(150)	specification of the heliport		
TYPHEL_K TYPHEL_P	VARCHAR2(11) VARCHAR2(200)	heliport type	NTL-P NTL-HEMS NTL-P-HEMS O	domestic not public heliport (private) domestic heliport only for needs of the Helicopters emergency medical service domestic not public heliport (private) + for needs of the Helicopters emergency medical service not registered
NADM_VYSKA	NUMBER(4,0)	elevation in feet		
UROVENHEL_K UROVENHEL_P	VARCHAR2(3) VARCHAR2(50)	heliport location	U V-B V-K	level elevated – building elevated – construction
SIRKATLOF	NUMBER(3,1)	TLOF area width in metres		
DELKATLOF	NUMBER(3,1)	TLOF area length in metres		
TYPTLOF_K TYPTLOF_P	VARCHAR2(1) VARCHAR2(20)	TLOF shape	K C	circle square / rectangle
POVRTLOF_K POVRTLOF_P	VARCHAR2(1) VARCHAR2(60)	type of the TOLF surface	Z P	reinforced (asphalt, concrete) reinforced (panel, paving)

S H E E T O F Z A B A G E D [®] F E A T U R E T Y P E				
			H	insufficiently reinforced (grass, clay, sand, stones)
			S	mixed (non-uniform surface)
NOCNI	VARCHAR2(1)	possibility of night landing	A N O	yes no not determined
SIRKAFATO	NUMBER(3,1)	FATO width in metres		
DELKAFATO	NUMBER(3,1)	FATO space length in metres		
TYPFATO_K TYPFATO_P	VARCHAR2(1) VARCHAR2(20)	shape of the helicopter approach and takeoff space	K C	circle square / rectangle
POVRFATO_K POVRFATO_P	VARCHAR2(1) VARCHAR2(60)	FATO surface type	Z P H S	reinforced (asphalt, concrete) reinforced (panel, paving) insufficiently reinforced (grass, clay, sand, stones) mixed (non-uniform surface)
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED [®]		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.35 RAILWAY TURNTABLE, TRAVERSER (ŽELEZNIČNÍ TOČNA, PŘESUVNA)			
Feature type code:	AN075			
Feature definition:				
Movable manipulation area in railway, which serves to rotation and shunting of railway vehicles to other track.				
Geometric determination of the feature:	perimeter line			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	orthophoto, field recognition			
Descriptive data source:	orthophoto, field recognition			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
TYPOBZEL_K TYPOBZEL_P	VARCHAR2(3) VARCHAR2(50)	feature type	TO PR	turntable traverser
POCETKOL	NUMBER(2,0)	number of 109ignifikan tracks		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.36 BARRIER (ZÁBRANA)			
Feature type code:	AP041			
Feature definition: Obstacle on terrestrial transport route serving to transit prevention or control of motor vehicles passage.				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 5,0 m			
Geometric data source:	NLI, IPR Praha, orthophoto, field recognition			
Descriptive data source:	orthophoto, field recognition			
A t t r i b u t e s :				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
TYP_K TYP_P	VARCHAR2(1) VARCHAR2(15)	type of barrier	Z T	barrier, gate permanent barrier
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	2. TRANSPORT INFRASTRUCTURE			
Feature type:	2.37 TOURIST HIKING TRAIL (TURISTICKÁ TRASA)			
Feature type code:	AP050			
Definice objektu:				
Tourist hiking trail managed by Czech Tourist Club				
Geometric determination of the feature:	line			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	KČT, field recognition			
Descriptive data source:	KČT, field recognition			
A t r i b u t y :				
Attribute name	Data type	Attribute subject	Attribute values	
			Code	Description / signification of attribute value
TURTRASA_K TURTRASA_P	VARCHAR2(15) VARCHAR2(150)	tourist markings	bcde-fghi-j	Number Code Format: b. red c. blue d. green e. yellow f. local red g. local blue h. local green i. local yellow j. nature trail values 0; 1 0.no 1.yes
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED [®]		

Feature category:	3. DISTRIBUTION NETWORKS AND PIPELINES			
Feature type:	3.01 POWER STATION (ELEKTRÁRNA)			
Feature type code:	AD010 (NF131), AD010P			
Feature definition:				
Power equipment for the production of electricity, including equipment for the conversion of primary energy, building parts and the necessary ancillary equipment.				
Geometric determination of the feature:	area centroid, (area) or point			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, ERÚ, field recognition			
Descriptive data source:	ERÚ, field recognition, Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
ID_ERU	VARCHAR2(15)	power station identifier according to the ERÚ	XXXXX_TYY	XXXXX ... serial number of feature YY..... source type
PODTYPEL_K PODTYPEL_P	VARCHAR2(3) VARCHAR2(50)	power station type	001 002 003 005 008 009 010 011 012	water nuclear solar wind vapour combined-cycle gas combustion pumped-storage other alternatives
VYKON	NUMBER(4,3)	total installed capacity in MWp		
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	3. DISTRIBUTION NETWORKS AND PIPELINES			
Feature type:	3.02 DISTRIBUTION SUBSTATION, TRANSFORMER SUBSTATION (ROZVODNA, TRANSFORMOVNA)			
Feature type code:	AD030 (NF132)			
Feature definition: <u>Distribution Substation</u> – the main circuits of distribution equipment, i.e. equipment used in the production, distribution and consumption of electricity, which, together with the necessary part of the control system and auxiliary equipment, are located indoors or outdoors. <u>Transformer Substation</u> – an electrical substation containing power transformers connecting two or more networks with different voltages.				
Geometric determination of the feature:	area centroid, (area)			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition, ČEPS, EG.D.			
Descriptive data source:	ČEPS, EG.D.			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
NAPETI1	NUMBER(3,0)	voltage in kV		
NAPETI2	NUMBER(3,0)	voltage in kV		
NAPETI3	NUMBER(3,0)	voltage in kV		
NAPETI4	NUMBER(3,0)	voltage in kV		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	3. DISTRIBUTION NETWORKS AND PIPELINES			
Feature type:	3.03 POWER LINE (ELEKTRICKÉ VEDENÍ)			
Feature type code:	AT030			
Feature definition:				
Arrangement of wires, insulating materials and structures for the transmission of electrical energy between two points of the electrical network.				
Geometric determination of the feature:	line – power line axis			
Positional accuracy:	m _p = 1,5 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition, ČEPS, EG.D.			
Descriptive data source:	ČEPS, EG.D.			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
NAZEV	VARCHAR2(50)	designation of feature		
NAPETI	VARCHAR2(11)	the highest voltage in kV		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	3. DISTRIBUTION NETWORKS AND PIPELINES			
Feature type:	3.04 POWER LINE MAST (STOŽÁR ELEKTRICKÉHO VEDENÍ)			
Feature type code:	AT040			
Feature definition:				
Supporting mast (equipped with insulators) carrying wires of outdoor power lines.				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 1,5 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition, ČEPS, EG.D.			
Descriptive data source:	VGHMÚř, Čra			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
VYSKA_OBJ	NUMBER(4,0)	feature height in metres		
ZDROJVYS_K ZDROJVYS_P	VARCHAR2(1) VARCHAR2(40)	height source of the feature	0 1 2 3	not specified VGHMÚř Čra other
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	3. DISTRIBUTION NETWORKS AND PIPELINES			
Feature type:	3.05 LONG DISTANCE PRODUCT PIPELINE (DÁLKOVÝ PRODUKTOVOD, DÁLKOVÉ POTRUBÍ)			
Feature type code:	AQ113			
Feature definition: <u>Long-distance product pipeline</u> – a pressure pipeline for long-distance transport of inflammable liquids or inflammable liquefied hydrocarbon gases between interconnected plants. <u>Long-distance pipeline</u> – pressure pipeline for the continuous transport of raw or processed fluids, as well as pipelines for the transport of heat over longer distances. The feature includes only the above-ground parts of product pipelines and pipelines.				
Geometric determination of the feature:	line			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	field recognition			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
DRUHMED_K DRUHMED_P	VARCHAR2(3) VARCHAR2(50)	type of transported material	ET	ethylene
			KA	waste water
			OS	other undifferentiated
			PL	gas
			PO	cinder
			RO	crude oil
			TE	heat
			VO	water
NAZEV	VARCHAR2(50)	designation of lines, product pipelines, pipes		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	3. DISTRIBUTION NETWORKS AND PIPELINES			
Feature type:	3.06 PIPELINE PUMPING STATION (PŘEČERPÁVACÍ STANICE PRODUKTOVODU)			
Feature type code:	AQ116 (NF133)			
Feature definition:				
A set of objects and equipment necessary to ensure the reliable operation of pumping devices and their accessories.				
Geometric determination of the feature:	area centroid, (area)			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	-			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	4. WATERS			
Feature type:	4.01 SOURCE OF UNDERGROUND WATER (ZDROJ PODZEMNÍCH VOD)			
Feature type code:	BH170			
Feature definition:				
A resurgence or outflow of underground water to the earth's surface or a vertical ground water collection facility.				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	field recognition, Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
KOD	VARCHAR2(9)	designation of a spring or borehole	xxxxxyyyy	xxxxx..... number of catchment area yyyy..... alphanumeric feature code
TYPZDROJ_K TYPZDROJ_P	VARCHAR2(2) VARCHAR2(50)	source type	KA LZ PS VR	fountain spa well spring well, borehole
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	4. WATERS			
Feature type:	4.02 WATERCOURSE (VODNÍ TOK)			
Feature type code:	BH140			
Feature definition:				
Water formation on the earth's surface (or below it), which is characterized by a permanent or temporary movement of water in a streambed in the direction of the total slope of the terrain and which is fed from its own basin or from another water formation. These are waters permanently (or occasionally) flowing between the banks either in a natural streambed (or modified) – e.g. rivers and streams, or in an artificial streambed – e.g. canals, water canals and water drives.				
Geometric determination of the feature:	line – axis of waterflow			
Positional accuracy:	m _p = 1,0 m (surface stream) m _p = 5,0 m (a stream flowing through a swampland and a large water area) m _p = 10,0 m (underground stream)			
Geometric data source:	aerial survey photos, LLS, orthophoto, field recognition			
Descriptive data source:	Geonames, CEVT, ČHMÚ, VÚV TGM, Mze ČR			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
UTOKJ_ID	VARCHAR2(12)	semantic (hierarchical) identifier of the watercourse section according to VÚV TGM	xxxxxxxxyyyy	xxxxxx number of watercourse yyyyy number of watercourse section in the watershed of main watercourse
USEK_ID	VARCHAR2(30)	unique identifier of the watercourse section		
IDVT	VARCHAR2(8)	watercourse identifier according to the Mze		
VYDATOK_K VYDATOK_P	VARCHAR2(3) VARCHAR2(50)	watercourse capacity	006 008	occasional water course permanent water course
TYPTOKU_K TYPTOKU_P	VARCHAR2(3) VARCHAR2(50)	watercourse type	001 004 099	surface unnavigable underground surface navigable
TYPCEVT_K TYPCEVT_P	VARCHAR2(3) VARCHAR2(50)	type of watercourse line according to CEVT *)	1 2	registered watercourse other watercours
CHP	VARCHAR2(20)	number of hydrological sequence	a-bb-cc-dddd-e-ff-gg	see 4.03 attribute CHP1
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®.		

*) continuously updated according to the results of the Mze Project "Rozvoj ISVS-VODA"

Feature category:	4. WATERS			
Feature type:	4.03 WATERSHED LINE (ROZVODNICE)			
Feature type code:	BH142			
Feature definition:				
The boundary between two neighbouring catchments of the 4 th order (according to the ČHMÚ also includes the catchment area delimited to important water reservoirs, aqueducts or jumps), which consists of the ridge lines of terrain formations at the borders of the catchment area or an artificially determined line.				
Geometric determination of the feature:	line			
Positional accuracy:	provided by the feature manager			
Geometric data source:	ČHMÚ			
Descriptive data source:	ČHMÚ			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
CHP1	VARCHAR2(20)	hydrological sequence number (located on the left in the direction of the watershed line orientation)	a-bb-cc-dddd-e-ff gg	Number Code Format: a-..... 1 st order code bb-..... 2 nd order code cc-..... 3 rd order code
CHP2	VARCHAR2(20)	hydrological sequence number (located on the right in the direction of the watershed line orientation)	a-bb-cc-dddd-e-ff gg	dddd-... 4 th order code e-..... dividing of the sub-basin by the dam profile of the waterworks ff-..... dividing of the sub-basin at the point of non-level crossing gg-..... dividing of the sub-basin at the location of the profile of the water measuring station
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	4. WATERS			
Feature type:	4.04 ANCHORAGE (PŘÍSTAVIŠTĚ)			
Feature type code:	BB005			
Feature definition:				
A structure used to land vessels or devices for boarding / disembarking passengers on / from ships.				
Geometric determination of the feature:	area centroid, (area)			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	SPS, field recognition, Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
NAZEV TOKU	VARCHAR2(60)	name of the watercourse		
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

[illegible]

Feature category:	4. WATERS			
Feature type:	4.07 DAM, WEIR (PŘEHRADNÍ HRÁZ, JEZ)			
Feature type code:	BI020			
Feature definition:				
<u>Dam</u> – a building structure made of natural or artificial materials, which is the main part of the dam damming the watercourse and its valley and creating a reservoir.				
<u>Weir</u> – a building structure damming the riverbed (exceptionally also the valley), which serves to create a reservoir in order to achieve the required water depth and adapt a slope.				
Geometric determination of the feature:	line – axis of a dam or weir			
Positional accuracy:	m _p = 1,5 m			
Geometric data source:	aerial survey photos, orthophoto, LLS, field recognition, VÚV TGM			
Descriptive data source:	VÚV TGM, Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
NAZEVTOKU	VARCHAR2(60)	name of the watercourse		
TYPVOD_K TYPVOD_P	VARCHAR2(3) VARCHAR2(50)	feature subtype	J P	weir dam
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	4. WATERS			
Feature type:	4.08 LOCK (PLAVEBNÍ KOMORA)			
Feature type code:	BI030			
Feature definition:				
Water structure, usually of a rectangular floor plan with vertical walls, which is equipped with a door at both ends. It is used to pass vessels from one weir pool of the waterway to another.				
Geometric determination of the feature:	line – lock axis			
Positional accuracy:	m _p = 1,5 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	SPS, Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
NAZEV TOKU	VARCHAR2(60)	name of the watercourse		
SIRKA	NUMBER (5,2)	width of the lock		
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	4. WATERS			
Feature type:	4.09 AQUEDUCT, INVERTED SIPHON (AKVADUKT, SHYBKA)			
Feature type code:	BH010			
Feature definition: <u>Aqueduct</u> (canal bridge) – a bridge forming part of an artificial waterway (canal, canal drive) at its fly over crossing with a river, a narrow deep valley, an important road, etc. <u>Inverted siphon</u> (underflow) – a pipe running across under the bottom of an artificial waterway (or a natural watercourse).				
Geometric determination of the feature:	line			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition, VÚV TGM			
Descriptive data source:	VÚV TGM, field recognition, Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
TYPVOD_K TYPVOD_P	VARCHAR2(3) VARCHAR2(50)	feature subtype	A S	aqueduct inverted siphon
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	4. WATERS			
Feature type:	4.10 WATER AREA (VODNÍ PLOCHA)			
Feature type code:	BH080 (NF120)			
Feature definition: A water formation created by accumulation of water in an artificial space or natural depression on the earth's surface, in which the outflow of water from a river basin is delayed or slowed down. This includes an artificial or natural water reservoir and a watercourse wider than 4 m.				
Geometric determination of the feature:	area centroid, (area)			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition, VÚV TGM			
Descriptive data source:	field recognition, Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
STOJVODA	VARCHAR2(3)	stagnant water	A N	yes no
TYP_VP_K TYP_VP_P	VARCHAR2(3) VARCHAR2(30)	type of water surface	1 2 3 4 5 6 7 8 9	dam reservoir pond anthropogenic lake natural lake flood retention pool swimming pool fish nursery sedimentation reservoir other water area
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

[illegible]

Feature category:	4. WATERS			
Feature type:	4.12 MARSH, BOG (BAŽINA, MOČÁL)			
Feature type code:	BH095			
Feature definition: <u>Marsh</u> – a part of the terrain with a surface layer of soil with a thickness of more than 30 cm permanently saturated with stagnant water or wet for most of the year; it is partially overgrown with special swamp flora. <u>Swamp</u> – a swamp with more water, which covers the surface of the terrain in smaller or larger continuous areas.				
Geometric determination of the feature:	perimeter line			
Positional accuracy:	m _p = 10,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	4. WATERS			
Feature type:	4.13 FLOOD WATER RESERVOIR (SUCHÁ NÁDRŽ)			
Feature type code:	BI044			
Feature definition:				
Waterworks used for flood protection in areas designated for controlled water overflows on agricultural land.				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 5,0 m			
Geometric data source:	Mze, aerial survey photos, orthophoto, LLS, field recognition			
Descriptive data source:	Mze			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
NAZEV TOKU	VARCHAR2(60)	name of the watercourse		
NAZEV	VARCHAR2(100)	feature name		
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	4. WATERS			
Feature type:	4.14 SHIP ELEVATOR, LIFT (LODNÍ VÝTAH, ZDVIHADLO)			
Feature type code:	BI006			
Feature definition: A specialized mechanism designed for raising and lowering boats or ships between two different water levels.				
Geometric determination of the feature:	line			
Positional accuracy:	m _p = 1,5 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	ŘVC ČR, SPS, Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value 130ignifikance / description
NOSNOST	NUMBER(5,2)	maximum load capacity/displacement		
SIRKA	NUMBER(5,2)	the maximum width of the transported ship		
DELKA	NUMBER(5,2)	the maximum lenght of the transported ship		
PONOR	NUMBER(5,2)	the maximum draught of the transported ship		
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	5. TERRITORIAL UNITS, INCLUDING PROTECTED AREAS			
Feature type:	5.01 BOUNDARY OF ADMINISTRATIVE UNIT AND CADASTRE UNIT (HRANICE SPRÁVNÍ JEDNOTKY A KATASTRÁLNÍHO ÚZEMÍ)			
Feature type code:	FA000			
Feature definition:				
Lines separating the grounds of the different administrative units.				
Geometric determination of the feature:	line			
Positional accuracy:	provided by the feature manager			
Geometric data source:	RÚIAN, State Border Documentation			
Descriptive data source:	ČSÚ			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
KODUTJ1	NUMBER(6,0)	code of the adjacent ÚTJ according to the administrator	AAAAAB	number according to ČSÚ AAAAA... ZSJ code+60000 B..... check character (from 0 to 9)
KODUTJ2	NUMBER(6,0)	code of the adjacent ÚTJ according to the administrator	AAAAAB	number according to ČSÚ, see atribut KODUTJ1
KODKU1	NUMBER(6,0)	code of the adjacent cadastre unit according to the administrator		
KODKU2	NUMBER(6,0)	code of the adjacent KÚ according to the administrator		
VYZN_ZSH_K VYZN_ZSH_P	NUMBER(3,0) VARCHAR2(100)	boundary description		(see table on the next page)
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

	Boundary Description	
Code	Description:	Bitmask
1	State, Area, Region, District, ORP, OPÚ, Municipality, KÚ	1111111100
2	Area, Region, District, ORP, OPÚ, Municipality, KÚ	111111100
3	Region, District, ORP, OPÚ, Municipality, KÚ	11111100
4	District, ORP, OPÚ, Municipality, KÚ	1111100
5	ORP, OPÚ, Municipality, KÚ	111100
6	OPÚ, Municipality, KÚ	11100
7	Municipality, KÚ	1100
8	KÚ	100
29	KÚ, SO, MČ (Prague)	111
30	KÚ, MČ	101
9	SO, MČ (Prague) (does not follow the border of the KÚ)	11
10	District (does not follow the border of the KÚ)	1
14	approximate for District, ORP, OPÚ, Municipality (does not follow the border of KÚ)	1111000
17	approximate for Municipality (does not follow the border of KÚ)	1000
26	District, OPÚ, Municipality, KÚ (does not represent ORP boundary)	1011100
27	District, Municipality, Regional Office (does not represent of ORP or OPÚ boundary)	1001100
31	State, Area, Region, District, ORP, OPÚ, Municipality, KÚ, MČ	1111111101
32	Area, Region, District, ORP, OPÚ, Municipality, KÚ, SO, MČ	111111111
34	District, ORP, OPÚ, Municipality, KÚ, MČ	1111101
35	ORP, OPÚ, Municipality, KÚ, MČ	111101
36	OPÚ, Municipality, KÚ, MČ	11101
37	Municipality, KÚ, MČ	1101
15	approximate for ORP, OPÚ, Municipality	111000
16	approximate for OPÚ, Municipality	11000
22	Area, Region, District, ORP, OPÚ, Municipality, KÚ, MČ	111111101
33	Region, District, ORP, OPÚ, Municipality, KÚ, MČ	1111101

Feature category:	5. TERRITORIAL UNITS, INCLUDING PROTECTED AREAS			
Feature type:	5.13 DEFINITION POINT OF A PART OF MUNICIPALITY (DEFINIČNÍ BOD ČÁSTI OBCE)			
Feature type code:	SB003			
Feature definition:				
The point to which information on a territory with the same or derived code or name or otherwise significant settlement unit without its own border is related.				
Geometric determination of the feature:	point			
Positional accuracy:	-			
Geometric data source:	ČSÚ			
Descriptive data source:	ČSÚ			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
KOD_COB	NUMBER(6,0)	registration code or the municipality part		
NAZEV	VARCHAR2(50)	Registration name or the municipality part		
KODLAU2	NUMBER(6,0)	code of the parent municipality		
KODMC	NUMBER(6,0)	code of the town district according to the ČSÚ		
KODMO	VARCHAR2(2)	code of the administration area of the capital town of Prague		
POCOBYV	NUMBER(10,0)	number of inhabitants of a part of the municipality at the last census		
TYPOBCE	VARCHAR2(20)	municipality type		capital statutory town town small town municipality military district
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	5. TERRITORIAL UNITS, INCLUDING PROTECTED AREAS			
Feature type:	5.14 ADMINISTRATIVE UNIT DEFINITION POINT (DEFINIČNÍ BOD SPRÁVNÍHO CELKU)			
Feature type code:	SB001			
Feature definition:				
The point to which information on the categorization of a given territory into the current territorial division of the state is related.				
Geometric determination of the feature:	point			
Positional accuracy:	-			
Geometric data source:	ČSÚ			
Descriptive data source:	ČSÚ			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
KODUTJ	NUMBER(6,0)	ÚTJ code		
NAZEVUTJ	VARCHAR2(50)	ÚTJ name		
KODNUTS1	CHAR(3)	state code according to CZ-NUTS1		
NAZEVNUTS1	CHAR(15)	state name		
KODNUTS2	VARCHAR2(4)	area code according to CZ-NUTS2		
NAZEVNUTS2	VARCHAR2(50)	area name		
KODNUTS3	VARCHAR2(5)	region code according to CZ-NUTS3		
NAZEVNUTS3	VARCHAR2(50)	region name		
KODLAU1	VARCHAR2(6)	district code according to LAU		
NAZEVLAU1	VARCHAR2(50)	district name		
KODORP	NUMBER(4,0)	code of municipality with extended competence according to the ČSÚ		
NAZEVORP	VARCHAR2(50)	name of municipality with extended competence (ORP)		
KODOPU	NUMBER(5,0)	code of the municipality with an authorized office (OPÚ) according to the ČSÚ		
NAZEVOPU	VARCHAR2(50)	name of the municipality with an authorized office (OPÚ)		
KODLAU2	NUMBER(6,0)	municipality code according to the local territorial statistical unit LAU		
NAZEVLAU2	VARCHAR2(50)	municipality name		
KODKU	NUMBER(6,0)	code of cadastre unit according to the ČSÚ		
NAZEVKU	VARCHAR2(50)	Name of cadastre unit (KÚ)		

S H E E T O F Z A B A G E D[®] F E A T U R E T Y P E

KODSO	NUMBER(4,0)	code of the administration area according to the ČSÚ		
NAZEVSO	VARCHAR2(50)	name of the administration area		
KODMC	NUMBER(6,0)	code of the town district according to ČSÚ		
NAZVMC	VARCHAR2(50)	name of the town district		
TYPOBCE	VARCHAR2(20)	municipality type		capital statutory town town small town municipality military district
POCOBYV	NUMBER(10,0)	current number of inhabitants of the municipality		
POCOBYV_MC	NUMBER(8,0)	number of inhabitants of MČ / MO (as of the last census)		
KODMO	VARCHAR2(2)	code of the town of Prague district		
ZM10	VARCHAR2(8)	nomenclature of 1: 10 000 Basic map with the municipality definition point	xx-xx-xx	x..... positive integer
TYPDBKU_K TYPDBKU_P	NUMBER(3,0) VARCHAR2(100)	character of the definition point for the KÚ	1 2 3 4 5	main (1) secondary (2) secondary (3) secondary (4) secondary (5)
TYPDBOBC_K TYPDBOBC_P	NUMBER(3,0) VARCHAR2(100)	character of the definition point for the MUNICIPALITY	1 2 3 4 5	main (1) secondary (2) secondary (3) secondary (4) secondary (5)
TYPDBOPU_K TYPDBOPU_P	NUMBER(3,0) VARCHAR2(100)	character of the definition point for the OPÚ	1 2 3 4 5	main (1) secondary (2) secondary (3) secondary (4) secondary (5)
TYPDBORP_K TYPDBORP_P	NUMBER(3,0) VARCHAR2(100)	character of the definition point for the ORP	1 2 3 4 5	main (1) secondary (2) secondary (3) secondary (4) secondary (5)
VYZNAM_DB	VARCHAR2(100)	meaning of the definition point		list of unit types where given point is a definition point
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED [®]		

Feature category:	5. TERRITORIAL UNITS, INCLUDING PROTECTED AREAS			
Feature type:	5.15 SMALL SPECIALLY PROTECTED AREA (MALOPLOŠNÉ ZVLÁŠTĚ CHRÁNĚNÉ ÚZEMÍ)			
Feature type code:	FA211			
Feature definition: A smaller area scientifically or aesthetically very important or unique. It is declared by law and is included in a certain category (National Nature Reserve, Nature Reserve, National Nature Monument and Nature Monument) with appropriate conditions of protection.				
Geometric determination of the feature:	area			
Positional accuracy:	provided by the feature manager			
Geometric data source:	AOPK ČR			
Descriptive data source:	AOPK ČR			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
NAZEV	VARCHAR2(80)	name of a small-area specially protected territory		
KATEGCHU_K KATEGCHU_P	VARCHAR2(10) VARCHAR2(60)	category of a small-area specially protected territory	NPR NPP PR PP	National Nature Reserve National Nature Monument Nature Reserve Nature Monument
KODCHU	NUMBER(8,0)	code of a small-area specially protected territory		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	5. TERRITORIAL UNITS, INCLUDING PROTECTED AREAS			
Feature type:	5.16 LARGE SPECIALLY PROTECTED AREA (VELKOPLOŠNÉ ZVLÁŠTĚ CHRÁNĚNÉ ÚZEMÍ)			
Feature type code:	FA212			
Feature definition: Scientifically or aesthetically very important or unique extensive area. It is promulgated by law and is included in a certain category (National Park and Protected Landscape Area) with appropriate conditions of protection.				
Geometric determination of the feature:	area			
Positional accuracy:	provided by the feature manager			
Geometric data source:	AOPK ČR			
Descriptive data source:	AOPK ČR			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
NAZEV	VARCHAR2(80)	name of a large-area specially protected territory		
KATEGCHU_K KATEGCHU_P	VARCHAR2(10) VARCHAR2(60)	category of a large-area specially protected territory	NP CHKO	National Park Protected Landscape Area
KODCHU	NUMBER(8,0)	code of a large-area specially protected territory		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	5. TERRITORIAL UNITS, INCLUDING PROTECTED AREAS			
Feature type:	5.17 MINING AREA *) (DOBÝVACÍ PROSTOR)			
Feature type code:	AA000			
Feature definition:				
Demarcated area designated for the mining of an exclusive deposit of a particular mineral or group of minerals.				
Geometric determination of the feature:		area		
Positional accuracy:		provided by the feature manager		
Geometric data source:		ČBÚ, ČGS		
Descriptive data source:		ČBÚ, ČGS		
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
NAZEV	VARCHAR2(60)	name of mining area according to its administrator		
ID	VARCHAR2(15)	code of mining area according to its administrator		
VYUZITI_K VYUZITI_P	VARCHAR2(3) VARCHAR2(10)	the state of mining area use	T N	mined unmined
SUROVINA	VARCHAR2(150)	list of mined raw materials according to the administrator		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

*) The type of feature will be published after the contractual provision of data from the administrator

Feature category:	5. TERRITORIAL UNITS, INCLUDING PROTECTED AREAS			
Feature type:	5.18 PROTECTED DEPOSIT AREA *) (CHRÁNĚNÉ LOŽISKOVÉ ÚZEMÍ)			
Feature type code:	FA230			
Feature definition: Delimited area designated for an exclusive mineral deposit during the prospecting or exploration period following the issue of an exclusive deposit certificate.				
Geometric determination of the feature:	area			
Positional accuracy:	provided by the feature manager			
Geometric data source:	ČBÚ, ČGS			
Descriptive data source:	ČBÚ, ČGS			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
NAZEV	VARCHAR2(60)	name of the protected deposit territory according to the administrator		
ID	VARCHAR2(15)	code of the protected deposit territory according to the administrator		
SUROVINA	VARCHAR2(150)	list of mined raw materials according to the administrator		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

*) The type of feature will be published after the contractual provision of data from the administrator

Feature category:	5. TERRITORIAL UNITS, INCLUDING PROTECTED AREAS			
Feature type:	5.19 SPECIAL PROTECTION AREA (PTAČÍ OBLAST)			
Feature type code:	FA214			
Feature definition: Natura 2000 site declared for the protection of wild birds. In the Czech Republic a special protection area (bird area) is declared by government decree.				
Geometric determination of the feature:	area			
Positional accuracy:	provided by the feature manager			
Geometric data source:	AOPK ČR			
Descriptive data source:	AOPK ČR			
A t t r i b u t e s :				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
NAZEV	VARCHAR2(80)	name of the bird protected area		
KODCHU	NUMBER(8,0)	code of the bird protected area		
SITECODE	VARCHAR2(9)	locality code by government decree		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED [®]		

Feature category:	5. TERRITORIAL UNITS, INCLUDING PROTECTED AREAS			
Feature type:	5.20 SPECIAL AREA OF CONSERVATION (EVROPSKY VÝZNAMNÁ LOKALITA)			
Feature type code:	FA213			
Feature definition: Site of the Natura 2000 systém declared for the purpose of protecting European natural habitats and European natural habitats and European important wild species of animals and wild plant species. In the Czech Republic, the list of Europeanly significant localities (special areas of conservation) is declared by government decree.				
Geometric determination of the feature:	area			
Positional accuracy:	provided by the feature manager			
Geometric data source:	AOPK ČR			
Descriptive data source:	AOPK ČR			
A t t r i b u t e s :				
Attribute name	Data type	Attribute subject	Attribute value / code	Value 141ignifikance / description
NAZEV	VARCHAR2(80)	name of the protected territory		
KODCHU	NUMBER(8,0)	code of the protected territory		
SITECODE	VARCHAR2(9)	locality code by government decree		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED [®]		

Feature category:	6. VEGETATION AND GROUNDS			
Feature type:	6.01 LAND USE BOUNDARY (HRANICE UŽÍVÁNÍ PŮDY)			
Feature type code:	EX100			
Feature definition: Lines separating different types of land cover and land use.				
Geometric determination of the feature:	line			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition, LPIS			
Descriptive data source:	-			
A t t r i b u t e s :				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	6. VEGETATION AND GROUNDS			
Feature type:	6.02 ARABLE LAND AND OTHER UNSPECIFIED GROUNDS (ORNÁ PŮDA A OSTATNÍ DÁLE NESPECIFIKOVANÉ PLOCHY)			
Feature type code:	EA010 (NF101)			
Feature definition:				
<u>Arable land</u> – land usually cultivated annually, with a slope of up to about 15 °, on which agricultural crops are grown.				
<u>Other grounds not further specified</u> – grounds whose permanent use is not obvious.				
Geometric determination of the feature:	area centroid , (area)			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, ortophoto, field recognition, LPIS			
Descriptive data source:	ortophoto, field recognition, LPIS			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
TYP_PUDY_K TYP_PUDY_P	VARCHAR2(3) VARCHAR2(50)	land type	OR OSN	arable land other unspecified grounds
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	6. VEGETATION AND GROUNDS			
Feature type:	6.03 HOP-FIELD (CHMELNICE)			
Feature type code:	EA055 (NF102)			
Feature definition:				
Land planted with hops with a built hop structure.				
Geometric determination of the feature:	area centroid (area)			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, ortophoto, field recognition, LPIS			
Descriptive data source:	-			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	6. VEGETATION AND GROUNDS			
Feature type:	6.04 ORCHARD, GARDEN (OVOCNÝ SAD, ZAHRADA)			
Feature type code:	EA040 (NF103)			
Feature definition:				
<u>Orchard</u> – larger intensive fruit planting on a continuous area, operated on a permanent site.				
<u>Other permanent crop</u> – areas of rapidly growing woody species, tree nurseries and other permanent crops.				
<u>Garden</u> – land, usually forming a coherent whole with residential and farm buildings, on which mainly vegetables, fruits or flowers are grown.				
Geometric determination of the feature:		area centroid (area)		
Positional accuracy:		m _p = 2,0 m		
Geometric data source:		aerial survey photos, ortophoto, field recognition, LPIS		
Descriptive data source:		aerial survey photos, ortophoto, field recognition, LPIS		
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
TYP_PUDY_K TYP_PUDY_P	VARCHAR2(3) VARCHAR2(50)	land type	OS OTK ZA	orchard other permanent crop garden
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

[illegible]

[illegible]

Feature category:	6. VEGETATION AND GROUNDS			
Feature type:	6.07 FOREST GROUND WITH TREES (LESNÍ PŮDA SE STROMY)			
Feature type code:	EC015 (NF106)			
Feature definition: Soil covered by a plant community, the determining component of which are forest trees forming cover.				
Geometric determination of the feature:	area centroid, (area)			
Positional accuracy:	m _p = 5,0 m			
Geometric data source:	aerial survey photos, ortophoto, field recognition			
Descriptive data source:	-			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	6. VEGETATION AND GROUNDS			
Feature type:	6.08 FOREST GROUND WITH SHRUBBERY (LESNÍ PŮDA S KŘOVINATÝM POROSTEM)			
Feature type code:	EB020 (NF107)			
Feature definition: Forest land only with shrubbery layer.				
Geometric determination of the feature:	area centroid, (area)			
Positional accuracy:	m _p = 5,0 m			
Geometric data source:	aerial survey photos, ortophoto, field recognition			
Descriptive data source:	-			
A t t r i b u t e s :				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	6. VEGETATION AND GROUNDS			
Feature type:	6.09 FOREST GROUND WITH MOUNTAIN PINE (LESNÍ PŮDA S KOSODŘEVINOU)			
Feature type code:	EB021 (NF108)			
Feature definition: Forest ground with mountain pine cover (conifers) in high positions above the forest border.				
Geometric determination of the feature:	area centroid, (area)			
Positional accuracy:	m _p = 5,0 m			
Geometric data source:	aerial survey photos, ortophoto, field recognition			
Descriptive data source:	-			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	6. VEGETATION AND GROUNDS			
Feature type:	6.10 MAINTAINED GREENERY (UDRŽOVANÁ ZELEŇ)			
Feature type code:	EA060 (NF109)			
Feature definition: Area with maintained diverse vegetation, sometimes combined with building elements, intended primarily for recreation and relaxation. It includes urban parks and ornamental gardens established according to horticultural principles and other maintained greenery within residential areas.				
Geometric determination of the feature:	area centroid, (area)			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, ortophoto, field recognition			
Descriptive data source:	aerial survey photos, ortophoto, field recognition			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
TYP_PUDY_K TYP_PUDY_P	VARCHAR2(3) VARCHAR2(50)	land type	PO UZ	park, ornamental garden other maintained greenery
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	6. VEGETATION AND GROUNDS			
Feature type:	6.11 SIGNIFICANT OR LONELY TREE, GROVE (VÝZNAMNÝ NEBO OSAMĚLÝ STROM, LESÍK)			
Feature type code:	EC030			
Feature definition: <u>Lonely tree</u> – a tree growing outside the forest land, visible from afar, with orientation significance. The content also includes important named trees regardless of the nature of the land, of their occurrence, usually with protection under Act No. 114/1992 Coll. About nature and landscape protection. <u>Lonely grove</u> – a group of trees visible from afar, with orientation significance. It can include not only mature trees, but also shrubs or conifers. The content also includes important named groups of trees, regardless of the nature of the land, of their occurrence, usually with protection under Act No. 114/1992 Coll. About nature and landscape protection.				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, ortophoto, field recognition			
Descriptive data source:	Field recognition, Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
TYPVEG_K TYPVEG_P	VARCHAR2(3) VARCHAR2(50)	vegetation type	L OS	solitary grove solitary tree
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	6. VEGETATION AND GROUNDS			
Feature type:	6.12 LINE VEGETATION (LINIOVÁ VEGETACE)			
Feature type code:	EC035			
Feature definition: A line of trees or shrubbery along roads, watercourses or areas, ditches and beyond, or a simple fence composed of cut shrubs that form a natural wall.				
Geometric determination of the feature:	line			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, ortophoto, field recognition			
Descriptive data source:	field recognition			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
TYPVEG_K	VARCHAR2(3)	vegetation type	S	alley
TYPVEG_P	VARCHAR2(50)		Z	hedge
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

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Feature category:	6. VEGETATION AND GROUNDS			
Feature type:	6.15 AUXILIARY LAND USE BOUNDARY (POMOCNÁ HRANICE UŽÍVÁNÍ)			
Feature type code:	NF211			
Feature definition: A line between two areas with the same use or cover dividing a large area.				
Geometric determination of the feature:	line – area boudary			
Positional accuracy:	-			
Geometric data source:	orthophoto			
Descriptive data source:	-			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	6. VEGETATION AND GROUNDS			
Feature type:	6.16 FOREST GROUND WITH TREES CATEGORIZED (LESNÍ PŮDA SE STROMY KATEGORIZOVANÁ)			
Feature type code:	EC016 (NF110)			
Feature definition:				
Area defined by the type of feature Forest ground with trees (EC015, NF106), which is categorized according to the height and type of vegetation based on remote sensing data.				
Geometric determination of the feature:	area centroid, (area)			
Positional accuracy:	m _p = 5,0 m			
Geometric data source:	NLI, aerial survey photos, ortophoto, field recognition			
Descriptive data source:	NLI			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
VYSKA_K VYSKA_P	VARCHAR2(2) VARCHAR2(80)	height category	0 1 2 3 4	undefined up to 2,5 m from 2,5 m up to 8 m from 8 m up to 20 m higher than 20 m
DRUH_K DRUH_P	VARCHAR2(2) VARCHAR2(80)	species category	N J L S	undefined coniferous deciduous miscellaneous
DATUMKATEG	VARCHAR2(6)	date of NLI categorization	YYYYMM	YYYY ... year MM ... month
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	7. TERRAIN RELIEF			
Feature type:	7.01 BOUNDARY OF GEOMORPHOLOGICAL UNIT (HRANICE GEOMORFOLOGICKÉ JEDNOTKY)			
Feature type code:	DB000			
Feature definition:				
Lines separating geomorphological units, i.e. defined parts of georelief, which are characterized by a certain type and genesis of relief and order by size (taxonomic degree) in the systematics of regional geomorphological division.				
Geometric determination of the feature:	line			
Positional accuracy:	-			
Geometric data source:	authorial original of boundaries of geomorphological units based on ZM 100			
Descriptive data source:	annex to authorial original of boundaries of geomorphological units			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
KODGEOMJ1	VARCHAR2(10)	code of the adjacent geomorphological unit	xxYxYxyxx	xx..... subprovince system xxY..... region xxYx..... whole xxYxY..... subwhole xxYxYxx..... parish xxYxYxy..... subparish xxYxYxyxx.. part x..... numeral Y..... capital letter y..... small letter .(dot)if given category of geomorphological unit is not classified (is left out)
KODGEOMJ2	VARCHAR2(10)	code of the adjacent geomorphological unit	xxYxYxyxx	see atribut KODGEOMJ1
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	7. TERRAIN RELIEF			
Feature type:	7.02 CONTOUR LINE (VRSTEVNICE)			
Feature type code:	CA010			
Feature definition:				
A line representing set of points with the same elevation.				
Geometric determination of the feature:	line			
Positional accuracy:	-			
Geometric data source:	DMR 5G			
Descriptive data source:	DMR 5G			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
VYSKA	NUMBER(5,1)	elevation of contour line		
TYP_K TYP_P	VARCHAR2(3) VARCHAR2(50)	type of contour line	010 011 012	basic contour line thickened contour line supplementary contour line
ZOBRAZ_K ZOBRAZ_P	VARCHAR2(1) VARCHAR2(50)	type of imagery	0 1	not displayed contour line displayed contour line

Feature category:	7. TERRAIN RELIEF			
Feature type:	7.03 TERRAIN POINT WITH ELEVATION (KÓTOVANÝ BOD)			
Feature type code:	CA030			
Feature definition:				
A point with given elevation that relates to the height of the terrain in places significant in terms of its height fragmentation.				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 1,0 m			
Geometric data source:	aerial survey photos, LLS			
Descriptive data source:	aerial survey photos, LLS			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
VYSKA	NUMBER(6,2)	altitude of point with given elevation in metres		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	7. TERRAIN RELIEF			
Feature type:	7.04 ELEVATION POINT OF TERRAIN RELIEF (VÝŠKOVÝ BOD RELIÉFU)			
Feature type code:	CA031			
Feature definition: The point of the earth's terrain determined by 3D coordinates.				
Geometric determination of the feature:	point (3D)			
Positional accuracy:	-			
Geometric data source:	LLS			
Descriptive data source:	-			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description

Feature category:	7. TERRAIN RELIEF			
Feature type:	7.05 ELEVATION POINT OF TERRAIN SURFACE (VÝŠKOVÝ BOD POVRCHU)			
Feature type code:	CA033			
Feature definition:				
The point of the earth's terrain or solid features above the earth's surface determined by 3D coordinates.				
Geometric determination of the feature:	point (3D)			
Positional accuracy:	-			
Geometric data source:	LLS, aerial survey photos			
Descriptive data source:	-			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description

Feature category:	7. TERRAIN RELIEF			
Feature type:	7.06 ROCK FORMS (SKALNÍ ÚTVARY)			
Feature type code:	DB160			
Feature definition:				
General designation of relief shapes formed by rocks.				
Geometric determination of the feature:	perimeter line			
Positional accuracy:	m _p = 10,0 m			
Geometric data source:	aerial survey photos, ortophoto, field recognition			
Descriptive data source:	Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	7. TERRAIN RELIEF			
Feature type:	7.07 RAVINE, POTHOLE (ROKLE, VÝMOL)			
Feature type code:	DB060			
Feature definition: <u>Ravine</u> – an erosion furrow of larger dimensions or a smaller narrow valley with an V-shaped profile steep slopes and a narrow bottom (usually in rocks). <u>Pothole</u> – an elongated depression created by the action of flowing surface water with a U-shaped profile (usually in unpaved rocks).				
Geometric determination of the feature:	line			
Positional accuracy:	m _p = 10,0 m			
Geometric data source:	aerial survey photos, orthophotos, LLS, field recognition			
Descriptive data source:	-			
A t t r i b u t e s :				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED [®]		

Feature category:	7. TERRAIN RELIEF			
Feature type:	7.08 LANDSLIDE, DEBRIS (SESUV PŮDY, SUŤ)			
Feature type code:	DB210			
Feature definition: <u>Landslide</u> – relatively slow short-term movement of rock and weather masses due to gravity according to one or more shear surfaces; the resulting formation is a landslide. <u>Debris</u> – weathered rock fragments of various sizes caused by mechanical weathering of rocks and accumulated under rock walls; the resulting formations are dust, rubble cones, etc.				
Geometric determination of the feature:	perimeter line			
Positional accuracy:	$m_p = 10,0 \text{ m}$			
Geometric data source:	aerial survey photos, ortophoto, field recognition			
Descriptive data source:	-			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	7. TERRAIN RELIEF			
Feature type:	7.09 CAVE MOUTH (VSTUP DO JESKYNĚ)			
Feature type code:	DB030			
Feature definition: Natural or artificially modified entrance to accessible caves.				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, orthophoto, field recognition			
Descriptive data source:	field recognition, Geonames			
A t t r i b u t e s :				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED [®]		

Feature category:	7. TERRAIN RELIEF			
Feature type:	7.10 SOLITARY BOULDER, ROCK, ROCK HUMP (OSAMĚLÝ BALVAN, SKÁLA, SKALNÍ SUK)			
Feature type code:	DB161			
Feature definition:				
<u>Solitary boulder</u> – an isolated fragment of rock of larger dimensions separated from a rock formation and displaced by gravity, water, etc.				
<u>Solitary rock</u> – an isolated, small-scale rock formation, which protrudes significantly above the surrounding surface, caused by weathering and rock removal processes, the retreat of opposite slopes or the preparation of more resistant rocks.				
<u>Rock hump</u> – a ridge of various shape and size protruding in isolation above the surrounding lower surface, formed by more resistant rocks than the surrounding surface.				
Geometric determination of the feature:		point		
Positional accuracy:		m _p = 10,0 m		
Geometric data source:		aerial survey photos, ortophoto, field recognition		
Descriptive data source:		Geonames		
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	TERRAIN RELIEF			
Feature type:	7.11 GROUP OF BOULDERS (SKUPINA BALVANŮ)			
Feature type code:	DB162 (DB162P)			
Feature definition:				
Accumulation of several large boulders or blocks in one place or in a row.				
Geometric determination of the feature:	line or point			
Positional accuracy:	m _p = 5,0 m			
Geometric data source:	aerial survey photos, ortophoto, field recognition			
Descriptive data source:	Geonames			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
JMENO	VARCHAR2(100)	name transferred from Geonames		
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

[illegible]

Feature category:	7. TERRAIN RELIEF			
Feature type:	7.13 FOOT OF TERRAIN FORM (PATA TERÉNNÍHO ÚTVARU)			
Feature type code:	DB080			
Feature definition:				
The lower edge of selected steps (feature 7.12) and dams.				
Geometric determination of the feature:	line			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	aerial survey photos, LLS, field recognition			
Descriptive data source:	-			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	8. SURVEY CONTROL POINTS			
Feature type:	8.01 POINT OF THE HORIZONTAL CONTROL (BOD POLOHOVÉHO BODOVÉHO POLE)			
Feature type code:	ZB060			
Feature definition:				
Points of horizontal control include points of the Czech State Trigonometric Network and net densification points, including associated points.				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 0,5 m			
Geometric data source:	ZÚ – Data Base of Survey Control			
Descriptive data source:	ZÚ – Data Base of Survey Control			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
NAZEV	VARCHAR2(14)	designation of the point of horizontal control (PBP)		
VYSKA	NUMBER(6,2)	elevation in metres		
TYPGB_K	VARCHAR2(3)	subtype of survey control point	20	other PBP points
TYPGB_P	VARCHAR2(50)		21	point with registered ETRS89 coordinates
TYPPOLB_K	VARCHAR2(3)	type of horizontal control point	22	trigonometrical station
TYPPOLB_P	VARCHAR2(50)		23	net densification point
			24	associated point
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	8. SURVEY CONTROL POINTS			
Feature type:	8.02 POINT OF THE FUNDAMENTAL VERTICAL CONTROL (BOD ZÁKLADNÍHO VÝŠKOVÉHO BODOVÉHO POLE)			
Feature type code:	ZB020			
Feature definition:				
Points of the fundamental vertical control include points of the Czech State Levelling Network.				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	ZÚ – Data Base of Survey Control			
Descriptive data source:	ZÚ – Data Base of Survey Control			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
NAZEV	VARCHAR2(14)	designation of the ZVBP point		
VYSKA	NUMBER(6,2)	elevation in metres		
TYPGB_K TYPGB_P	VARCHAR2(3) VARCHAR2(50)	subtype of survey control point	30 31	other ZVBP point particularly important ZVBP point
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

Feature category:	8. SURVEY CONTROL POINTS			
Feature type:	8.03 POINT OF THE FUNDAMENAL GRAVITY CONTROL (BOD ZÁKLADNÍHO TÍHOVÉHO BODOVÉHO POLE)			
Feature type code:	ZC000			
Feature definition:				
Points of the fundamental gravity control include points of the Czech Gravimetric Network.				
Geometric determination of the feature:	point			
Positional accuracy:	m _p = 2,0 m			
Geometric data source:	ZÚ – Data Base of Survey Control			
Descriptive data source:	ZÚ – Data Base of Survey Control			
Attributes:				
Attribute name	Data type	Attribute subject	Attribute value / code	Value significance / description
NAZEV	VARCHAR2(14)	Designation of ZTBP point		
VYSKA	NUMBER(6,2)	point elevation in metres		
TYPGB_K TYPGB_P	VARCHAR2(3) VARCHAR2(50)	subtype of geodetic survey control point	40 41	other ZTBP point particularly important ZTBP point
FID_ZBG	VARCHAR2(40)	unique feature identifier in ZABAGED®		

4. INDEXES OF FEATURE TYPES AND THEIR ATTRIBUTES

4.1. Alphabetical Index of Feature Types

Feature type	Ordinal number	Feature category
Above ground storage tank	1.13	1. Settlement, economic and cultural features
Additional line	1.28	1. Settlement, economic and cultural features
Administrative unit definition point	5.14	5. Territorial units, including protected areas
Airport	2.25	2. Transport infrastructure
Airport runway axis	2.27	2. Transport infrastructure
Airport runway perimeter	2.26	2. Transport infrastructure
Anchorage	4.04	4. Waters
Aqueduct, inverted siphon	4.09	4. Waters
Arable land and other unspecified grounds	6.02	6. Vegetation and grounds
Area of functional development	1.27	1. Settlement, economic and cultural features
Area of railway station, stop	2.33	2. Transport infrastructure
Auxiliary land use boundary	6.15	6. Vegetation and grounds
Bank line	4.11	4. Waters
Barrier	2.36	2. Transport infrastructure
Border crossing, connection across the border	2.16	2. Transport infrastructure
Boundary of administrative unit and cadastre unit	5.01	5. Territorial units, including protected areas
Boundary of geomorphological unit	7.01	7. Terrain relief
Bridge	2.08	2. Transport infrastructure
Building object GIA	1.53	1. Settlement, economic and cultural features
Bunker	1.32	1. Settlement, economic and cultural features
Cableway pylon	2.23	2. Transport infrastructure
Cableway, ski lift	2.22	2. Transport infrastructure
Cart track	2.03	2. Transport infrastructure
Castle	1.43	1. Settlement, economic and cultural features
Cave mouth	7.09	7. Terrain relief
Cemetery	1.24	1. Settlement, economic and cultural features
Charging station	1.52	1. Settlement, economic and cultural features
Conveyor belt	1.11	1. Settlement, economic and cultural features
Cooling tower	1.12	1. Settlement, economic and cultural features
Covered building feature	1.47	1. Settlement, economic and cultural features
Cross, column of cultural significance	1.21	1. Settlement, economic and cultural features
Culvert	2.12	2. Transport infrastructure
Dam, weir	4.07	4. Waters
Definition point of a part	5.13	5. Territorial units, including protected areas
Definition point of address place	1.31	1. Settlement, economic and cultural features

Feature type	Ordinal number	Feature category
Distribution substation, transformer substation	3.02	3. Distribution networks and pipelines
Dump	1.16	1. Settlement, economic and cultural features
Educational facility – definition point	1.42	1. Settlement, economic and cultural features
Elevation point of terrain relief	7.04	7. Terrain relief
Elevation point of terrain surface	7.05	7. Terrain relief
Factory chimney, smokestack	1.10	1. Settlement, economic and cultural features
Ferry	2.13	2. Transport infrastructure
Filling station – definition point	1.35	1. Settlement, economic and cultural features
Fire station, fire house – definition point	1.49	1. Settlement, economic and cultural features
Flood water reservoir	4.13	4. Waters
Foot of terrain form	7.13	8. Survey control points
Footbridge	2.09	2. Transport infrastructure
Ford	2.30	2. Transport infrastructure
Foreign diplomatic mission – definition point	1.51	1. Settlement, economic and cultural features
Forest break	6.13	6. Vegetation and grounds
Forest ground with mountain pine	6.09	6. Vegetation and grounds
Forest ground with shrubbery	6.08	6. Vegetation and grounds
Forest ground with trees	6.07	6. Vegetation and grounds
Forest ground with trees categorized	6.16	6. Vegetation and grounds
Grain silo	1.14	1. Settlement, economic and cultural features
Ground tank	1.48	1. Settlement, economic and cultural features
Group of boulders	7.11	7. Terrain relief
Helipad, heliport	2.34	2. Transport infrastructure
Hop-field	6.03	6. Vegetation and grounds
Hospital –definition point	1.39	1. Settlement, economic and cultural features
Chateau	1.44	1. Settlement, economic and cultural features
Land use boundary	6.01	6. Vegetation and grounds
Landslide, debris	7.08	7. Terrain relief
Large specially protected area	5.16	5. Territorial units, including protected areas
Level railway crossing	2.11	2. Transport infrastructure
Line vegetation	6.12	6. Vegetation and grounds
Lock	4.08	4. Waters
Long distance product pipeline	3.05	3. Distribution networks and pipelines
Maintained greenery	6.10	6. Vegetation and grounds
Marsh, bog	4.12	4. Waters
Medical facility – definition point	1.40	1. Settlement, economic and cultural features
Meteorological station – definition point	1.36	1. Settlement, economic and cultural features
Metro	2.28	2. Transport infrastructure
Metro station	2.21	2. Transport infrastructure
Mining area	5.17	5. Territorial units, including protected areas
Mining tower	1.05	1. Settlement, economic and cultural features
Mound, monument, gravestone	1.20	1. Settlement, economic and cultural features

Feature type	Ordinal number	Feature category
Non-level crossing of municipality	2.05	2. Transport infrastructure
Orchard, garden	6.04	6. Vegetation and grounds
Other ground in settlements	1.01	1. Settlement, economic and cultural features
Parking, rest area	2.15	2. Transport infrastructure
Peatbog	6.14	6. Vegetation and grounds
Permanent grassland	6.06	6. Vegetation and grounds
Pipeline pumping station	3.06	3. Distribution networks and pipelines
Point of the fundamental gravity control	8.03	8. Survey control points
Point of the fundamental vertical control	8.02	8. Survey control points
Point of the horizontal control	8.01	8. Survey control points
Police station – definition point	1.50	1. Settlement, economic and cultural features
Post office – definition point	1.34	1. Settlement, economic and cultural features
Power line	3.03	3. Distribution networks and pipelines
Power line mast	3.04	3. Distribution networks and pipelines
Power station	3.01	3. Distribution networks and pipelines
Protected deposit area	5.18	5. Territorial units, including protected areas
Public administration office – definition point	1.38	1. Settlement, economic and cultural features
Railway siding	2.18	2. Transport infrastructure
Railway station, railway stop	2.20	2. Transport infrastructure
Railway track	2.17	2. Transport infrastructure
Railway turntable, traverser	2.35	2. Transport infrastructure
Railway yard	2.19	2. Transport infrastructure
Rampart, bank, bastion, fortification	1.22	1. Settlement, economic and cultural features
Ravine, pothole	7.07	7. Terrain relief
Road in construction	2.32	2. Transport infrastructure
Road network nodal point (other)	2.07	2. Transport infrastructure
Road, motorway	2.01	2. Transport infrastructure
Rock forms	7.06	7. Terrain relief
Ruins	1.19	1. Settlement, economic and cultural features
Shaft mouth, gallery mouth	1.04	1. Settlement, economic and cultural features
Shed, greenhouse, plastic greenhouse shelter	1.09	1. Settlement, economic and cultural features
Ship elevator, lift	4.14	4. Waters
School – definition point	1.33	1. Settlement, economic and cultural features
Significant or lonely tree, grove	6.11	6. Vegetation and grounds
Single building or block of buildings	1.02	1. Settlement, economic and cultural features
Ski jump	1.25	1. Settlement, economic and cultural features
Small specially protected area	5.15	5. Territorial units, including protected areas
Social facility – definition point	1.41	1. Settlement, economic and cultural features
Solitary boulder, rock, rock hump	7.10	7. Terrain relief
Source of underground water	4.01	4. Waters
Special area of conservation	5.20	5. Territorial units, including protected areas
Special protection area	5.19	5. Territorial units, including protected areas

Feature type	Ordinal number	Feature category
Square definition point	2.29	2. Transport infrastructure
Step, steep slope	7.12	7. Terrain relief
Storing place	1.08	1. Settlement, economic and cultural features
Street	2.02	2. Transport infrastructure
Surface mining, quarry	1.06	1. Settlement, economic and cultural features
Terrain point with elevation	7.03	7. Terrain relief
Tourist hiking trail	2.37	2. Transport infrastructure
Tower, tower-like building	1.03	1. Settlement, economic and cultural features
Tower-like building	1.45	1. Settlement, economic and cultural features
Trail	2.04	2. Transport infrastructure
Tramway	2.24	2. Transport infrastructure
Tribuna	1.46	1. Settlement, economic and cultural features
Tunnel	2.14	2. Transport infrastructure
Ubu level crossing	2.06	2. Transport infrastructure
Underpass	2.10	2. Transport infrastructure
Unregistered road	2.31	2. Transport infrastructure
Vineyard	6.05	6. Vegetation and grounds
Vrstevice	7.02	7. Terrain relief
Wall	1.23	1. Settlement, economic and cultural features
Water area	4.10	4. Waters
Water reservoir tower	1.15	1. Settlement, economic and cultural features
Watercourse	4.02	4. Waters
Waterfall	4.06	4. Waters
Watershed line	4.03	4. Waters
Wind engine	1.18	1. Settlement, economic and cultural features

4.2. Code Index of Feature Types

Object type code	Feature type	Ordinal number
AA000	Mining area	5.17
AA010	Shaft mouth, gallery mouth	1.04
AA011	Surface mining, quarry	1.06
AA040	Mining tower	1.05
AB000	Dump	1.16
AD010	Power station	3.01
AD030	Distribution substation, transformer substation	3.02
AF010	Factory chimney, smokestack	1.10
AF020	Conveyor belt	1.11
AF030	Cooling tower	1.12
AH010	Rampart, bank, bastion, fortification	1.22
AJ050	Windmill	1.17
AJ051	Wind engine	1.18
AK110	Grandstand	1.46
AK150	Ski jump	1.25
AL000	Area of functional development	1.27
AL015	Single building or block of buildings	1.02
AL016	Definition point of address place	1.31
AL018	Tower, tower-like building	1.03
AL019	Shed, greenhouse, plastic greenhouse shelter	1.09
AL020	Other ground in settlements	1.01
AL030	Cemetery	1.24
AL090	Cross, column of cultural significance	1.21
AL130	Mound, monument, gravestone	1.20
AL170	Square definition point	2.29
AL200	Ruins	1.19
AL220	Tower-like building	1.45
AL250	Covered building feature	1.47
AL260	Wall	1.23
AL371	Chateau	1.44
AL375	Castle	1.43
AL915	Building object GIA	1.53
AM020	Grain silo	1.14
AM040	Storing place	1.08
AM060	Bunker	1.32
AM070	Above ground storage tank	1.13
AM080	Water reservoir tower	1.15
AN010	Railway track	2.17
AN011	Tramway	2.24
AN012	Metro	2.28
AN050	Railway siding	2.18

Object type code	Feature type	Ordinal number
AN060	Railway yard	2.19
AN075	Railway turntable, traverser	2.35
AP001	Road, motorway	2.01
AP002	Street	2.02
AP003	Trail	2.04
AP004	Road network nodal point (other)	2.07
AP010	Cart track	2.03
AP011	Unregistered road	2.31
AP012	Road in construction	2.32
AP015	Tourist hiking trail	2.37
AP020	Non-level crossing	2.05
AP041	Barrier	2.36
AQ010	Cableway, ski lift	2.22
AQ020	Cableway pylon	2.23
AQ040	Bridge	2.08
AQ041	Underpass	2.10
AQ042	Level railway crossing	2.11
AQ043	Footbridge	2.09
AQ062	Ubu level crossing	2.06
AQ065	Culvert	2.12
AQ080	Ferry	2.13
AQ113	Long distance product pipeline	3.05
AQ116	Pipeline pumping station	3.06
AQ125	Area of railway station, stop	2.33
AQ126	Railway station, railway stop	2.20
AQ127	Metro station	2.21
AQ130	Tunnel	2.14
AQ135	Parking, rest area	2.15
AQ170	Filling station – definition point	1.35
AQ220	Charging station	1.52
AT030	Power line	3.03
AT040	Power line mast	3.04
BB005	Anchorage	4.04
BH000	Bank line	4.11
BH010	Aqueduct, inverted siphon	4.09
BH041	Ground tank	1.48
BH070	Ford	2.30
BH080	Water area	4.10
BH095	Marsh, bog	4.12
BH140	Vodní tok	4.02
BH142	Watershed line	4.03
BH170	Source of underground water	4.01
BH180	Waterfall	4.06
BI006	Ship elevator, lift	4.14
BI020	Dam, weir	4.07

Object type code	Feature type	Ordinal number
BI030	Lock	4.08
BI044	Flood water reservoir	4.13
CA010	Contour line	7.02
CA030	Terrain point with elevation	7.03
CA031	Elevation point of terrain relief	7.04
CA033	Elevation point of terrain surface	7.05
DB000	Boundary of geomorphological unit	7.01
DB030	Cave mouth	7.09
DB060	Ravine, pothole	7.07
DB080	Foot of terrain form	7.13
DB090	Step, steep slope	7.12
DB160	Rock forms	7.06
DB161	Solitary boulder, rock, rock hump	7.10
DB162	Group of boulders	7.11
DB210	Landslide, debris	7.08
EA010	Arable land and other unspecified grounds	6.02
EA040	Orchard, garden	6.04
EA050	Vineyard	6.05
EA055	Hop-field	6.03
EA060	Maintained greenery	6.10
EB010	Permanent grassland	6.06
EB020	Forest ground with shrubbery	6.08
EB021	Forest ground with mountain pine	6.09
EB030	Peatbog	6.14
EC015	Forest ground with trees	6.07
EC016	Forest ground with trees categorized	6.16
EC030	Significant or lonely tree, grove	6.11
EC035	Line vegetation	6.12
EC040	Forest break	6.13
EX010	Additional line	1.28
EX100	Land use boundary	6.01
FA000	Boundary of administrative unit and cadastre unit	5.01
FA125	Border crossing, connection across the border	2.16
FA211	Small specially protected area	5.15
FA212	Large specially protected area	5.16
FA213	Special area of conservation	5.20
FA214	Special protection area	5.19
FA230	Protected deposit area	5.18
FUC21	Social facility – definition point	1.41
FUC22	Hospital – definition point	1.39
FUC23	Medical facility – definition point	1.40
FUC25	Educational facility – definition point	1.42
FUC26	School – definition point	1.33
FUC32	Public administration office – definition point	1.38
FUC34	Post office – definition point	1.34

Object type code	Feature type	Ordinal number
FUC36	Police station – definition point	1.50
FUC45	Fire station, fire house – definition point	1.49
FUC46	Foreign diplomatic mission – definition point	1.51
GB005	Airport	2.25
GB035	Heliport, helipad	2.34
GB054	Airport runway axis	2.27
GB055	Airport runway perimeter	2.26
NF101	Arable land and other unspecified grounds (area)	6.02
NF102	Hop-field (area)	6.03
NF103	Orchard, garden (area)	6.04
NF104	Vineyard (area)	6.05
NF105	Permanent grassland (area)	6.06
NF106	Forest ground with trees (area)	6.07
NF107	Forest ground with shrubbery (area)	6.08
NF108	Forest ground with mountain pine (area)	6.09
NF109	Maintained greenery (area)	6.10
NF110	Forest ground with trees categorized	6.16
NF120	Water area (area)	4.10
NF121	Other ground in settlements (area)	1.01
NF122	Surface mining, quarry (area)	1.06
NF124	Storing place (area)	1.08
NF125	Dump (area)	1.16
NF126	Cemetery (area)	1.24
NF127	Area of functional development (area)	1.27
NF128	Parking, rest area (area)	2.15
NF129	Railway yard (area)	2.19
NF130	Airport (area)	2.25
NF131	Power station (area)	3.01
NF132	Distribution substation, transformer substation (area)	3.02
NF133	Pipeline pumping station (area)	3.06
NF134	Area of railway station, stop (area)	2.33
NF211	Auxiliary land use boundary	6.15
RES04	Meteorological station – definition point	1.36
SB001	Administrative unit definition point	5.14
SB003	Definition point of a part of municipality	5.13
ZB020	Point of the fundamental vertical control	8.02
ZB060	Point of the horizontal control	8.01
ZC000	Point of the fundamental gravity control	8.03

5. LIST OF ABBREVIATIONS

AIP	Aeronautical Information Publication
AOPK ČR	Nature Conservation Agency of the Czech Republic
CEVT	Central Records of Watercourse
CZ-NUTS	Classification of Territorial Statistical Units of the Czech Republic
ČBÚ	Czech Mining Authority
ČGS	Czech Geological Survey
ČEPS	Czech Energy Transmission System Operator
ČHMÚ	Czech Hydrometeorological Institute
ČRa	Czech Radiocommunications
ČS	Filling station
ČSNS	Czech State Leveling Network
ČSÚ	Czech Statistical Office
ČÚZK	Czech Office for Surveying
DIGEST	Digital Geographic Information Exchange Standard
DMP1G	Digital Surface Model of the 1st generation
DMR5G	Digital Terrain Model of the 5th generation
EG.D.	Electricity and Gas Distribution, s.r.o.
ETBB	European Territorial Data Base
ETRS89	European Terrestrial Reference System 89
ERÚ	Energy Regulatory Office
FATO	Final Approach and Takeoff
GPS	Global Position System
Geonames	Database of Geographical Names of the Czech Republic
GIA	Gigabit Infrastructure Act
HZS	Fire Rescue Service of the Czech Republic
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IFR	Instrument Flight Rules
IPR Praha	The Prague Institute of Planning and Development
ISKN	Register of Territorial Identification, Addresses and Real Estates
JPO	Troop of the Fire Protection
KČT	Czech Tourist Club
LAU	Local Administrative Units
LLS	Airborne Laser Scanning
LPIS	Land-Parcel Identification System
MD ČR	Ministry of Transport of the Czech Republic
MPSV ČR	Ministry of Labour and Social Affairs of the Czech Republic
MPO ČR	Ministry of Industry and Trade of the Czech Republic
MŠMT ČR	Ministry of Education, Youth and Sport of the Czech Republic
MV ČR	Ministry of the Interior of the Czech Republic
MZe ČR	Ministry of Agriculture of the Czech Republic
MŽP ČR	Ministry of the Environment of the Czech Republic

NLI	Czech Forestry Institute
NPÚ	National Heritage Institute
NRPZS	National Register of Health Service Providers
OPÚ	Municipality with an Authorized Office
ORP	Municipality with Extended Competence
PBP	Poins of Horizontal Control
ROS	Register of Persons
RPSS	Register of Social Service Providers
RŠŠZ	Register of Schools and School Facilities
RÚIAN	Register of Territorial Edentification, Addresses and Real Estates
ŘLP ČR	Air Navigation Services of the Czech Republic
ŘSD ČR	Directorate of Roads and Motorways of the Czech Republic
SDB	Road Databank Section at Directorate of Roads and Motorways of the Czech Rep.
SPS	State River Navigation Administration
TLOF	Touchdown and Lift-off area
ÚHÚL	Forest Management Institute
ÚTJ	Territorial Technical Unit
ÚZIS ČR	Institute of Health Information and Statistics of the Czech Republic
VGHMÚř	Military Geographic and Hydrometeorological Office
VRF	Visual Flight Rules
VÚV TGM	T. G. Masaryk Water Research Institute
ZGS	Fundamental Geodynamical Network
ZM 100	Base Map of the Czech Republic, scale 1:100 000
ZSJ	Base Administrative Unit
ZTBP	Fundamental Gravity Control
ZÚ	Land Survey Office
ZVBP	Fundamental Vertical Control

LAND SURVEY OFFICE

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