

# Ramsar Information Sheet

Published on 23 August 2019

# Ukraine

Ozirnyi-Brebeneskul

Designation date 4 April 2019 Site number 2394

Coordinates 48°06'54"N 24°32'17"E

Area 1 656,91 ha

# Color codes

Fields back-shaded in light blue relate to data and information required only for RIS updates.

Note that some fields concerning aspects of Part 3, the Ecological Character Description of the RIS (tinted in purple), are not expected to be completed as part of a standard RIS, but are included for completeness so as to provide the requested consistency between the RIS and the format of a 'full' Ecological Character Description, as adopted in Resolution X.15 (2008). If a Contracting Party does have information available that is relevant to these fields (for example from a national format Ecological Character Description) it may, if it wishes to, include information in these additional fields.

# 1 - Summary

#### Summary

The Site "Ozirnyi-Brebeneskul" is a highland wetland, which is located in the Chornohora mountain range. It covers 1657 hectares and lies on the Southern slopes of the highest mountain in Ukraine, Hoverla (2061 m. above sea level), and the adjacent to it mountain peaks. The White Tysa river originates in the Site, and flows into the River Tysa. A dense river network characterizes the wetland. About 8% of the territory is marshy. Mainly it is composed by highland oligotrophic swamps, which were formed during the Ice Age. There are four relatively large lakes of glacial origin and a number of small lakes. Some lakes are connected with each other, either by surface water or by underground streams. In some places, there are a lot of peat lakes filled with a shallow layer of water only during the active melting of snow and in the rainy period. A large number of rare species of flora and fauna characterizes this territory. The vegetation is mainly represented by meadow and shrub plant groups of the sub-alpine and alpine belt. They serve as habitats for a number of alpine and arctic-alpine plant species. Among them there are a number of rare and endemic of the Ukrainian Carpathians. Among them: Senecio carpathicus; Saussurea porcii; Oreochloa disticha, and especially Pedicularis oederi. The latter is known in the Eastern Carpathians only from the territory of this wetland.

The animal community is represented only by highland species, as well as those that are common of all the Carpathians. For the typical highland complex, there are the following rare species: Prunella collaris, Lyrurus tetrix, Chionomys nivalis etc. Among the local species amphibians are especially distinguished, as the local reservoirs serve as places of mass reproduction, and invertebrates, especially insects, which are represented by a number of endemic species. Of amphibians, Lissotriton montandoni deserves special attention, as it is one of the few endemics of the Carpathians among the vertebrates.

The Site is also an important touristic place. It is located on the periphery of the most popular touristic trail in Ukraine, which passes through the highlands of the Chornohora ridge to the top of the Hoverla Mountain.

This area is important also from a cultural point of view and connected with local folklore.

The Site is a part of the territory of the Carpathian Biosphere Reserve.

# 2 - Data & location

#### 2.1 - Formal data

#### 2.1.1 - Name and address of the compiler of this RIS

#### Compiler 1

Compiler 2

Name	Vasyl Pokynchereda
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#### 2.1.2 - Period of collection of data and information used to compile the RIS

From year 2012

To year 2018

# 2.1.3 - Name of the Ramsar Site

Official name (in English, French or Spanish)

Unofficial name (optional)

Unofficial name (optional)

Vрочище Озірний-Бребенєскул (Urochyshche Ozirnyi-Brebeneskul) (Originally designated as "Stow Urochyshche Ozirnyi-Brebeneskul")

#### 2.2 - Site location

# 2.2.1 - Defining the Site boundaries

#### b) Digital map/image

<3 file(s) uploaded>

Former maps 0

# Boundaries description

The wetland is located in the Rakhiv district of the Transcarpathian region (Zakarpatska oblast) within the limits of the Chornohora ridge on the administrative border with the Ivano-Frankivsk region. The Site is located 220 km to the East from Uzhhorod, 35 km Northeast from the town of Rakhiv and 18 km to the North from the village Lugy.

Wetland lies entirely within the Carpathian Biosphere Reserve. It is a part of the core zone, buffer zone and anthropogenic landscapes zone of the Carpathian Biosphere Reserve. The northern boundary of the wetlands runs along the main ridge of the Ukrainian Carpathians and is also the boundary of Carpathian Biosphere Reserve. The rest boundaries are into the Carpathian Biosphere Reserve territory. The western boundary of the wetland is Hoverla mountain and eastern boundary is Brebeneskul mountain. The southern boundary coincides with the upper limit of the forest zone. The total length of the boundaries of wetlands is about 30 km.

#### 2.2.2 - General location

a) In which large administrative region does the site lie?

b) What is the nearest town or population centre?

Rakhiv town

a) Does the wetland extend onto the territory of one or more other Yes O No 

Yes O No countries?

b) Is the site adjacent to another designated Ramsar Site on the Yes O No (9) territory of another Contracting Party?

#### 2.2.4 - Area of the Site

Official area, in hectares (ha): 1656.91

Area, in hectares (ha) as calculated from 1656.907 GIS boundaries

# 2.2.5 - Biogeography

#### Biogeographic regions

Regionalisation scheme(s)	Biogeographic region
EU biogeographic regionalization	Alpine

#### Other biogeographic regionalisation scheme

According to geobotanical zoning, the Site is situated within the European Broadleaf-Woodland Area (zone); Carpathian-Alpine mountain province of forests and highland vegetation; East-Carpathian subprovince of deciduous and coniferous forests and highland vegetation; Maramorosh-Chornohora-Svydovets district of rocky- and common-oak, beech, larch and spruce forests, sub-alpine and alpine vegetation (Ya.P. Didukh, Yu.R. Shelyag-Sosonko, 2003).

According to zoogeographical zoning, the Site is located within the Paleoarktic region; Boreal European-Siberian subregion; European-West-Siberian Province; Central-European, European District; of the Carpathian region; Polonyna (alpine highland meadow) area (M. M. Shcherbak, 1988).

# 3 - Why is the Site important?

#### 3.1 - Ramsar Criteria and their justification

#### ☑ Criterion 1: Representative, rare or unique natural or near-natural wetland types

#### Hydrological services provided

The Site is the most highland wetland in the Ukrainian Carpathians. It includes lakes and marshes formed during the glacial period, which play an important role in maintaining the water regime of the Tysa River, which flows into the Danube. The wetland is important for mitigating the effects of floods for settlements located in the valley of the Tysa River, where live about 350 thousand people, as it accumulates a large amount of precipitation from heavy rainfalls and water, formed during snow melting in the catchment area.

An important ecosystem function is providing a high-quality drinking water for local communities in the valleys of the White Tysa and Tysa rivers.

On the territory of the Site locals are engaged in traditional activities - mainly grazing livestock, primarily sheep. Hay-mowing is also present on small areas.

#### Other ecosystem services provided

The Site has also an important cultural significance. Life and activity of the national hero named Dovbush is connected with these places, which was reflected in local folklore. A lot of folk legends, songs, tellings, etc. were inspired by him and the Chornohora Range. A cultural phenomenon for this territory is also the traditional Polonyna farming - seasonal milk sheep farming.

The Site is also a popular tourist destination, which is visited by over 100 thousand people during a year.

Other reasons

A various types of ecosystems and habitats are represented in the territory of the Site. Which include alpine and subalpine meadows, crooked woodland formed by different species, mixed and coniferous forests, rivers, streams, lakes, wetlands, stone outcrops with lichens, etc. There are well-represented glacial relief forms, which contributed to the formation of various types of wetlands. Among them, the most unique are mountain lakes of glacial origin, which include the largest in area, the most highland and the deepest in Ukrainian Carpathians. To the unique wetlands also relate local peatlands, which occupy here vast areas.

#### Criterion 2 : Rare species and threatened ecological communities

#### ☑ Criterion 3 : Biological diversity

The Site is characterized by a large variety of flora, which includes more than 500 species of higher vascular plants. The dominant types of vegetation are grass formations, namely, sub-alpine and alpine meadows, as well as crooked shrubbery, formed predominantly by Pinus mugo. Forests are usually presented by zonal spruce forests.

Wetlands support the existence of populations of a number of species important for the conservation of biodiversity in the Carpathian biogeographical region. In particular, coastal-lake ecosystems are habitats for a number of alpine and arctic-alpine plant species. At the same time, the catchment basins of local lakes of glacial origin are the centers for the distribution of rare, endemic and relic alpine plant species. They are: Aconitum anthora, Agrostis rupestris, Anemone narcissiflora, Campanula carpatica, Carex pauciflora, Gentiana acaulis, Pedicularis oederi, Ranunculus thora, Rhododendron myrtifolium, Salix herbacea and others.

Justification

The fauna of wetland is also quite diverse and is represented by species characteristic for the Taiga and Alpine complexes. In general, the fauna species of the Chornohora mountain range is dominated by species typical for the entire Carpathian forest zone, although the highland component is very well presented. It is important that many species of invertebrates, which belong to the Carpathian and East-Carpathian endemics, are registered in the Ukrainian Carpathians only in Chornohora massif. Among them: Nebria transsylvanica, Carabus transsylvanicus, Trechus carpaticus, Deltomerus carpathicus, Pterostichus foveolatus and others.

3.2 - Plant species whose presence relates to the international importance of the site

Scientific name	Common name	Criterion 2	Criterion 3	Criterion 4	IUCN Red List	CITES Appendix I	Other status	Justification
Aconitum anthora anthora			<b></b>				listed in the Red Data Book of Ukraine - NT	Eastern Carpathian endemic
Agrostis rupestris		✓	<b>₽</b>				listed in the Red Data Book of Ukraine - EN	relict
Anemone narcissifolia narcissifolia		✓	<b>₽</b>				listed in the Red Data Book of Ukraine - VU	relict
Botrychium Iunaria		✓	<b>₽</b>				listed in the Red Data Book of Ukraine - VU	
Campanula carnica carnica			<b>₽</b>				listed in the Red Data Book of Ukraine - NT	
Carex buxbaumii		✓	<b>₽</b>				listed in the Red Data Book of Ukraine - VU	
Carex davalliana		✓	<b>₽</b>		LC		listed in the Red Data Book of Ukraine - VU	relict
Carex pauciflora		✓	<b>₽</b>				listed in the Red Data Book of Ukraine - VU	relict
Carex rupestris			<b></b> ✓				listed in the Red Data Book of Ukraine - NT	relict
Crocus heuffelianus			<b>₽</b>				listed in the Red Data Book of Ukraine - NE	
Dactylorhiza cordigera		✓	<b>₽</b>		LC		listed in the Red Data Book of Ukraine - VU	
Dactylorhiza fuchsii			<b>₽</b>				listed in the Red Data Book of Ukraine - NE	
Dactylorhiza maculata		✓	<b>₽</b>				listed in the Red Data Book of Ukraine - VU	
Dactylorhiza viridis			V				listed in the Red Data Book of Ukraine - NT	
Diphasiastrum alpinum			V				listed in the Red Data Book of Ukraine - NT	
Doronicum clusii			V				listed in the Red Data Book of Ukraine - NT	
Dryas octopetala			V				listed in the Red Data Book of Ukraine - NT	relict
Festuca porcii		<b>2</b>	V				listed in the Red Data Book of Ukraine - VU	
Gentiana acaulis			<b></b> ✓		LC		listed in the Red Data Book of Ukraine - NT	relict
Gentiana lutea		✓	<b></b> ✓				listed in the Red Data Book of Ukraine - VU	
Gentiana punctata		✓	<b>✓</b>		LC		listed in the Red Data Book of Ukraine - VU	
Gentiana pyrenaica		€	V				listed in the Red Data Book of Ukraine - CR	
Gymnadenia conopsea			V				listed in the Red Data Book of Ukraine - NT	
Huperzia selago			<b></b> ✓				listed in the Red Data Book of Ukraine - NE	
Kalmia procumbens			<b></b> ✓				listed in the Red Data Book of Ukraine - NT	relict
Oreochloa disticha		<b>2</b>	<b></b>				listed in the Red Data Book of Ukraine - CR	

Scientific name	Common name	Criterion 2	Criterion 3	Criterion 4	IUCN Red List	CITES Appendix I	Other status	Justification
Pedicularis oederi		<b>/</b>	<b>2</b>				listed in the Red Data Book of Ukraine - CR	relict
Pinguicula alpina			<b>2</b>				listed in the Red Data Book of Ukraine - NT	
Poa variegata			<b>2</b>				listed in the Red Data Book of Ukraine - NT	
Primula halleri			<b>2</b>				listed in the Red Data Book of Ukraine - NT	
Primula minima			<b>2</b>				listed in the Red Data Book of Ukraine - NT	
Pulsatilla scherfelii			<b>✓</b>				listed in the Red Data Book of Ukraine - NT	
Ranunculus thora			<b>2</b>				listed in the Red Data Book of Ukraine - NT	relict
Rhodiola rosea		<b>V</b>	<b>2</b>				listed in the Red Data Book of Ukraine - VU	relict
Rhododendron myrtifolium			<b>✓</b>				listed in the Red Data Book of Ukraine - NE	Carpathian-Balkan endemic
Salix herbacea			<b>✓</b>				listed in the Red Data Book of Ukraine - NT	relict
Salix retusa			<b>✓</b>				listed in the Red Data Book of Ukraine - NT	
Saussurea alpina			<b>2</b>				listed in the Red Data Book of Ukraine - NT	
Saussurea porcii			<b>2</b>				listed in the Red Data Book of Ukraine - NT	Eastern Carpathian endemic
Swertia perennis		V	<b>2</b>				listed in the Red Data Book of Ukraine - VU	

The Site «Ozirnyi-Brebeneskul» is characterized by an extremely high diversity of biotopes. The vegetation is represented by upper forest belt, subalpine meadows and bushes, alpine meadows, waterside and anthropogenic biotopes prevail here, as well as ones of rocks, stone fields, bogs and ecotones.

From a botanical point of view, the Site is unique due to the extremely high variety of biotopes and diversity of plant species. Here are presented the upper forest belt, subalpine meadows and crooked woodland, alpine meadows, coastal and water areas, as well as rocks, rock placers, marshes, etc. Flora of the wetland counts more than 500 species of vascular plants. It includes a large part of rare species. Among them 42, are listed in the Red Data Book of Ukraine, 10 - endemic, 13 - relic and 10 - need protection at the regional level. The last ones are listed in the Regional Red List of Transcarpathia (2008). The most important here are the following red-listed species: Senecio carpathicus, Saussurea porcii, Oreochloa disticha, Pedicularis oederi, Primula minima, Pulsatilla scherfelii, Rhodiola rosea, Salix retusa, Saussurea alpine etc. Endemics, relicts and regionally vulnerable species are represented by: Aconitum hosteanum, Campanula patula, Cirsium waldsteinii, Doronicum carpaticum, Festuca varia, Heracleum sphondylium, Leucanthemum rotundifolium, Melampyrum saxosum, Phyteuma tetramerum, Ranunculus carpaticus, Viola declinata and many others.

3.3 - Animal species whose presence relates to the international importance of the site

			Sn	ecies	Species							
Phylum	Scientific name	Common name	qua ui cri	alifies nder terion	contributes under criterion	Pop. Size Period of pop. Est.	% occurrence 1)		CITES Appendix	CMS Appendix I	Other Status	Justification
Birds												
CHORDATA/ AVES	Lyrurus tetrix	Eurasian Black Grouse; Black Grouse	<b>V</b>					LC			listed in the Red Data Book of Ukraine - CR	
CHORDATA/ AVES	Picoides tridactylus	Eurasian Three- toed Woodpecker; Three-toed Woodpecker	<b>2</b>					LC			listed in the Red Data Book of Ukraine - VU	
CHORDATA/ AVES	Prunella collaris	Alpine Accentor	<b>V</b>					LC			listed in the Red Data Book of Ukraine - VU	
CHORDATA/ AVES	Tetrao urogallus	Western Capercaillie	<b>V</b>					LC			listed in the Red Data Book of Ukraine - CR	
Fish, Mollus	sc and Crustacea											
MOLLUSCA/ GASTROPODA	Prostenomphalia Carpathica										listed in the Red Data Book of Ukraine - NT	
Others												
CHORDATA/ AMPHIBIA	Bombina variegata		<b>V</b>					LC			listed in the Red Data Book of Ukraine - VU	
ARTHROPOD/ / INSECTA	Boreus westwoodi										listed in the Red Data Book of Ukraine - DD	
CHORDATA/ MAMMALIA	Chionomys nivalis	European Snow Vole; Snow Vole						LC			listed in the Red Data Book of Ukraine - DD	
CHORDATA/ MAMMALIA	nilssonii	Northern Bat						LC			listed in the Red Data Book of Ukraine - NT	
ARTHROPOD/ / INSECTA	A Erebia manto							LC			listed in the Red Data Book of Ukraine - NT	
CHORDATA/ AMPHIBIA	Ichthyosaura alpestris		Ø					LC			listed in the Red Data Book of Ukraine - VU	
CHORDATA/ AMPHIBIA	Lissotriton montandoni							LC			listed in the Red Data Book of Ukraine - NE	
CHORDATA/ MAMMALIA	Mustera erminea	Ermine						LC			listed in the Red Data Book of Ukraine - NE	
MAMMALIA	Myotis daubentonii daubentonii		<b>2</b>								listed in the Red Data Book of Ukraine - VU	
ARTHROPODA / DIPLOPODA	Polydesmus montanus										listed in the Red Data Book of Ukraine - NT	
CHORDATA/ MAMMALIA	Ursus arctos	Brown Bear; Grizzly Bear	Ø					LC	V		listed in the Red Data Book of Ukraine - CR	

<sup>1)</sup> Percentage of the total biogeographic population at the site

The Site is important for conservation of the fauna, characteristic for the highland ecosystems. Although the local fauna in mainly a characteristic for all Carpathians, here is a well-represented group of species, which is typical namely for highlands. Among them there are many rare and endangered species, both vertebrate and invertebrates. Of the vertebrates, only for the highland ecosystems are characteristic such red-listed species as: Eptesicus nilssonii, Chionomys nivalis, Prunella collaris, Tetrao urogallus. The wetland is also a habitat for 7 species of invertebrates, listed in the Red Data Book of Ukraine (2009): Quedius transsylvanicus, Chrysolina carpathica, Oreina plagiata, O. viridis, Erebia manto, Prostenomphalia carpathica, Arianta aethiops.

During the migration period, this territory serves as a station for some migrating aquatic and semi-aquatic species of birds the representatives of Anseriformes and Charadriiformes. Local water reservoirs serve as places of mass reproduction for several species of amphibians, among which are rare and endemic ones. During the summer period, due to the high nutrition storage of the area, here massively migrate animals that usually inhabit the forest belt. This refers, in particular, to ungulates, bears, bats, capercaillies etc.

#### 3.4 - Ecological communities whose presence relates to the international importance of the site

Name of ecological community	Community qualifies under Criterion 2?	Description	Justification
E5.5 Subalpine moist or wet tall-herb and fem stands	Ø	Luxuriant tall herb formations of deep, humid soils in the montane to alpine, but mostly subalpine, levels of the higher mountains, with Cicerbita alpine	Bern Convention - Resolution 4 habitat type.
G3.1B: Alpine and Carpathian subalpine [Picea] forests	<b>2</b>	Picea abies forests of the lower subalpine level, and of anomalous stations in the montane level. The spruces, often stunted or columnar, are accompanied by an undergrowth of decidedly subalpine affinities. Picea abies forests of the lower subalpine level	Bern Convention - Resolution 4 habitat type
E4.11: Boreo-alpine acidocline snow-patch grassland and herb habitats	✓	Snow patches Carpathians, occupying areas free from snow for less than two months, with the herbs e.g. Luzula alpinopilosa, Salix herbacea, Ligusticum mutellina; mosses Polytrichum sexangulare or sometimes lichens.	Bern Convention - Resolution 4 habitat type.
X04: Raised bog complexes	✓	Raised bogs are highly oligotrophic, strongly acidic, domed peatlands, whose peat is composed mainly of sphagnum remains and whose surface derives moisture and nutrients only from rainfall (ombrotrophic).	Bern Convention - Resolution 4 habitat type
E4.12: Boreo-alpine calcicline snow-patch grassland and herb habitats	✓	Herbaceous snow-patch swards of the Apids, characteristic of calcareous soils under snow for long periods, with Carex atrata, Saxifraga androsacea and other calciphile snowfield, snowbed and snow-patch communities of boreal and arcto-alpine mountains	Bern Convention - Resolution 4 habitat type.
D2.226: Peri-Danubian black-white-star sedge fens	Ø	Acidic fens of the mountains and hills forming the basin of the middle and lower Danube system, and of adjacent regions, in particular of the Carpathians, with an herbaceous sward formed by Carexechinata, Carex canescens or Carex rostrata	Bern Convention - Resolution 4 habitat type.

Name of ecological community	Community qualifies under Criterion 2?	Description	Justification
D4.1: Rich fens, including eutrophic tall-herb fens and calcareous flushes and soaks	V	Wetlands and spring-mires, seasonally or permanently waterlogged, with a soligenous or topogenous base-rich, often calcareous water supply. Rich fens may be dominated by small or larger graminoids Carex spp., Eleocharis spp., Juncus spp.	Bern Convention - Resolution 4 habitat type.
E1.71 [Nardus stricta] swards	Ø	Mesophile and xerophile Nardus stricta- dominated or -rich grasslands of middle Europe. Other important species: Festuca rubra, Agrostis capillaris, Campanula alpina.	Bern Convention - Resolution 4 habitat type.
E4.4 Calcareous alpine and subalpine grassland	Ø	Alpine and subalpine grasslands of base-rich soils of the high mountains of the nemoral, submediterranean and supramediterranean zones. Characteristic species Dryas octopetala, Draba aizoides, Pulsatilla alpina, Phyteuma orbiculare, Astrantia major.	Bern Convention - Resolution 4 habitat type.
C1.1: Permanent oligotrophic lakes, ponds and pools.	Ø	Waterbodies with a low nutrient (nitrogen and phosphorus) content, mostly acid (pH 4-6). Includes oligotrophic waters of medium or high pH, e.g. calcareous.	Bern Convention - Resolution 4 habitat type
C2.12: Hard water springs.	Ø	Springs rich in calcium, typically due to calcareous tufa formation. Species-rich habitats with high moss cover, high dominance of moss Cratoneuron commutati.	Bern Convention - Resolution 4 habitat type
C2.19: Lime-rich oligotrophic vegetation of spring brooks.	Ø	Euhydrophyte communities of Palaearctic streams poor in nutrients but rich in lime, characterized in particular by Potamogeton or by tufa-forming mosses and algae - Batrachion fluitantis, Cratoneurion commutati.	Bern Convention - Resolution 4 habitat type.
C3.55: Sparsely vegetated river gravel banks	Ø	Vascular plant communities occupying gravel deposits of rivers. Vegetation communites of e.g. Salicion eleagnos, with the most typical species Caltha palustris ssp. laeta, Salix elaeagnos, Salix purpurea and Poa trivialis.	Bern Convention - Resolution 4 habitat type.
C3.62: Unvegetated river gravel banks	Ø	Unvegetated deposit beds of streams formed of pebbles, gravels, boulders or a mixture of gravels and finer sediments, occupying the edges of the stream, forming islands in the channel or supporting the arms and rivulets constituting the stream.	Bern Convention - Resolution 4 habitat type.
E3.4: Moist or wet eutrophic and mesotrophic grassland	Ø	Wet eutrophic and mesotrophic grasslands and flood meadows of the boreal and nemoral zones, dominated by grasses Poaceae, rushes Juncus spp. or dub-rush Scirpus sylvaticus.	Bern Convention - Resolution 4 habitat type.
E2.3: Mountain hay meadows	Ø	Often species-rich mesotrophic to eutrophic hay meadows of the montane and subalpine levels of higher mountains of the nemoral and southern boreal zones.	Bern Convention - Resolution 4 habitat type.

# 4 - What is the Site like? (Ecological character description)

#### 4.1 - Ecological character

The Site "Ozimy-Brebeneskul" is located in the highland part of the Chornohora ridge, with altitudes ranging from 900 to 2000 m. above sea level, occupying subalpine and alpine altitudinal belts and, partially, the upper tree lines formed by a spruce. The geological structure is determined by the location on the boundary of the central synclinal and internal anticlinal zones of the Carpathians, development of sedimentary formations of flish formation, deposited from the upper Cretacious to the Oligocene. According to geomorphologic zoning, the wetlands are situated in the middle-high region of the mountain ranges and highland groups of the Chornohora region of the Carpathian country. The relief is a vivid demonstration of glacial formation of relief (moraines, corries, cirques). Forms of relief formed as a result of frosty weathering can often be found, as well as by snow avalanches. The climate of this territory is moderately continental with considerable amount of precipitations, significant daily fluctuations of temperature and strong winds. The average temperature in January is - 6.40C, in July + 11.50C, the average yearly temperature is + 2.8 ° C. Winter is characterized by low temperatures and humid air; frosty period lasts 80-95 days; melting of snow in the spring lasts about 35 days. The snow cover stays from November till the end of May. The annual amount of precipitation reaches 1465 mm. The soil cover of the Site is represented by the underdeveloped and short-profile types of brown soils, mountain-meadow, acid subalpine and mountain-meadow peaty soils. The vegetation community is represented by coastal meadows and shrub vegetation groups of the sub-alpine and alpine belt, which include a number of rare alpine and arctic-alpine plant species. The animal community is common for all Ukrainian Carpathians, although it contains a group of only highland species, which have very limited distribution.

The highland wetland includes four large glacial lakes, which are rather rare in the Carpathian region. They are: the Upper Ozirne (surface - 0.20 hectares, the depth is 0.5 m), Lower Ozirne (surface- 0.25 hectares, the depth is about 3 meters), Bretskul (surface- 0.16 hectares, the depth is about 1,5 m) and Brebeneskul (surface - more than 0.6 hectares, depth - more than 3 meters). There are also several smaller lakes and marshes, with a surface of water mirror up to 0.1 hectares. Some lakes are interconnected with each other either by surface water or by underground streams. In some places, there are plenty of peated lake basins filled with a shallow layer of water only during active melting of snow and in the rainy period. In addition, within this wetland there are several suspended oligotrophic sedge-sphagnum marshes. Lakes and marshes of Chornohora massif highlands occupy the bottom of glacial cavities, and play an important biogeocoenic role, accumulating a considerable amount of moisture during long periods of rainfalls and snow melting. Mountain hydro biogeocoenoses are remote from the sources of anthropogenic pollution and serve as reference ecosystems giving opportunity to study various natural processes which are not disturbed by human activity.

#### 4.2 - What wetland type(s) are in the site?

#### Inland wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type	Justification of Criterion 1
Fresh water > Flowing water >> M Permanent rivers/ streams/ creeks		4	2	Representative
Fresh water > Flowing water >> N: Seasonal/ intermittent/ irregular rivers/ streams/ creeks		4	3	Representative
Fresh water > Lakes and pools >> O: Permanent freshwater lakes		4	4	Unique
Fresh water > Lakes and pools >> P: Seasonal/ intermittent freshwater lakes		4	2	Rare
Fresh water > Lakes and pools >> Tp: Permanent freshwater marshes/ pools		2	21	Representative
Fresh water > Lakes and pools >> Ts: Seasonal/ intermittent freshwater marshes/ pools on inorganic soils		3	16	Representative
Fresh water > Marshes on peat soils >> U: Permanent Non- forested peatlands		2	21	Representative
Fresh water > Marshes on inorganic soils >> Xf: Freshwater, tree-dominated wetlands		1	57	Representative

# Other non-wetland habitat

Other non-wettand habitat	
Other non-wetland habitats within the site	Area (ha) if known
Non-wetland (dry) alpine and subalpine meadows	460
Crooked woodland composed by Pinus mugo	970
Rocky placers	10

# 4.3 - Biological components

#### 4.3.1 - Plant species

Other noteworthy plant species

Scientific name	Common name	Position in range / endemism / other
Scientific flame	Commonname	
Aconitum hosteanum		Eastern Carpathian endemic
Aconitum nanum		South Eastern Carpathian endemic
Campanula patula abietina		South Eastern Carpathian endemic
Carduus kerneri		South Eastern Carpathian endemic
Carex hartmanii		listed in the Regional Red List of the Transcarpathia
Cirsium waldsteinii		Carpathian-Balkan endemic
Doronicum carpaticum		South Eastern Carpathian endemic
Festuca varia		Carpathian endemic
Heracleum sphondylium carpaticum		Eastern Carpathian endemic
Leucanthemum rotundifolium		Carpathian endemic
Melampyrum herbichii		South Eastern Carpathian endemic
Melampyrum saxosum		Eastern Carpathian endemic
Menyanthes trifoliata		listed in the Regional Red List of the Transcarpathia
Phyteuma tetramerum		South Eastern Carpathian endemic
Phyteuma vagneri		South Eastern Carpathian endemic
Primula elatior poloninensis		South Eastern Carpathian endemic
Pulmonaria filarszkyana		listed in the Regional Red List of the Transcarpathia; Eastern Carpathian endemic
Ranunculus carpaticus		South Eastern Carpathian endemic
Scabiosa lucida		South Eastern Carpathian endemic
Soldanella hungarica		listed in the Regional Red List of the Transcarpathia
Swertia punctata		listed in the Regional Red List of the Transcarpathia
Viola declinata		South Eastern Carpathian endemic

#### 4.3.2 - Animal species

#### Other noteworthy animal species

Phylum	Scientific name	Common name	Pop. size	Period of pop. est.	%occurrence	Position in range /endemism/other
CHORDATA/AMPHIBIA	Bufo bufo	European Toad				
CHORDATAMAMMALIA	Microtus tatricus	Tatra Pine Vole;Tatra Vole				listed in the Red Data Book of Ukraine - NT, Carpathian endemic
CHORDATA/AMPHIBIA	Rana temporaria	European frog				

#### Optional text box to provide further information

From these places are known populations of 38 Carpathian endemic species and subspecies of crustaceans and not less than 22 species of the Carpathian endemic species and subspecies of insects: Leistus baenningeri Roubal 1926, Nebria fuscipes Fuss, 1850, N. reitteri Rybiński, 1902, N. transsylvanica (Germar, 1824), Carabus auronitens escheri Palliardi, 1825, C. hampeiKüster, 1846, C. obsoletus Sturm, 1815, C. transsylvanicus Dejean, 1826, Pseudanophthalmus pilosellus (Miller, 1868), Duvalius corpulentus Weise, 1875, D. roubali Jeannel, 1926, D. ruthenus Reitter, 1878, D. subterraneus (Miller, 1868), Trechus carpaticus Rybiński, 1902, T. fontinalis Rybiński, 1901, T. latus Putzeys, 1847, T. plicatulus Miller, 1868, Patrobus quadricollis Miller, 1868, Deltomerus carpathicus (Miller 1868), Pterostichus foveolatus (Duftschmid, 1812), P. pilosus (Host, 1789), Amara misella Miller, 1868 (Coleoptera, Carabidae).

# 4.4 - Physical components

#### 4.4.1 - Climate

Climatic region	Subregion
	Dfb: Humid continental
D: Moist Mid-Latitude	(Humid with severe winter,
climate with cold winters	no dry season, warm
	summer)

The Site is located in the most highland part of Ukrainian Carpathians that determines its climate, which could be described as cold and humid. In general, the climate of this territory is moderately continental with significant precipitation rate, big daily fluctuations in temperature and strong winds. According to data from the meteorological station Pozhyzhevska (1430 m. above sea level), the average temperature in January constitutes -6,40C, in July + 11,50C, the average yearly temperature is + 2,80C. Winter is characterized by low temperatures and humid air; frosty period lasts for 80-95 days; snow melting in spring lasts about 35 days. The snow cover stays from November till the end of May. The annual amount of precipitation reaches 1465 mm.

442-	Geomor	ohic	setting

a) Minimum elevation above sea level (in metres)
a) Maximum elevation above sea level (in metres)
Entire river basin
Upper part of river basin 🗹
Mddle part of river basin ☐
Lower part of river basin $\Box$
More than one river basin $\Box$
Not in river basin
Coastal

Please name the river basin or basins. If the site lies in a sub-basin, please also name the larger river basin. For a coastal/marine site, please name the sea or ocean.

The wetland is located in the upper part of the White Tysa river, which, together with the Black Tysa form the Tysa river. In its turn, the Tysa river is a part of Danube basin and also the largest left tributary of the Danube.

#### 4.4.3 - Soil

Mineral ✓
Organic <b>☑</b>
No available information $\ \square$
to change as a result of changing hydrological Yes O No © litions (e.g., increased salinity or acidification)?

#### Please provide further information on the soil (optional)

The area is located on the South-West macroslopes of the Chornohora range on the altitude from 900 to 2061 m a.s.l. The geological structure is determined by location at the edge of the central synclinal and inner anticlinal zones of the Carpathians; by the development of flisch sedimentary formations, formed in late Cretaceous and Oligocene periods. According to the geomorphologic zoning the Site is located in the middle-high mountain ranges and highland groups of the Chornohora region of the Carpathian country. The relief is characterized by glacial forms (moraines, corries, cirques). There are lots of forms formed by frost weathering and avalanches.

The soil cover of the Site is represented by the underdeveloped and short-profile types of brown soils, mountain-meadow acid subalpine and mountain-meadow peaty soils.

#### 4.4.4 - Water regime

Are soil types subject

#### Water permanence

vidioi pormanono	
Presence?	
Usually permanent water present	No change

#### Source of water that maintains character of the site

Presence?	Predominant water source	
Water inputs from surface water		No change
Water inputs from rainfall	✓	No change
Water inputs from groundwater		No change

#### Water destination

Presence?	
To downstream catchment	No change
Feeds groundwater	No change

#### Stability of water regime

Presence?	
Water levels largely stable	No change

Please add any comments on the water regime and its determinants (if relevant). Use this box to explain sites with complex hydrology.

The Brebeneskul Lake has a surface about 0,6 ha and depth over 3 m. It lies in the ancient glacial corrie between Brebeneskul and Hutyn-Tomnatyk mountains and is the most highland lake in Ukraine.

The Lower Ozirnyi Lake has the surface over 0,25 ha and depth about 3 m. it is located in the ancient glacial cirque on the South-West macroslopes of the Pozhyzhevska and Turkul summits (1513 m a.s.l.).

The Upper Ozimyi lake has the surface over 0,20 ha and depth about 0,5 m. it lies on the ancient glacial cirque on the South-West macroslopes of the Pozhyzhevska and Turkul mountains on the altitude of 1625 m a.s.l.

The Bretskul Lake has the surface about 0,16 ha and depth about 1,5 m. and is located on the Bretskul plateau, South-West macroslope of the Bretskul Mt. (1731 m a.s.l.).
In some places there are a lot of peat bogs, which are filled up with an insignificant amount of water only in snow melting season or during heavy

rainfalls. There are also many sedge-sphagnous oligotrophic lakes.

Wetlands are important for mitigating the effects of flooding, which is crucial in this regard for the settlements located below, in the river valley, as it accumulates a large amount of rainfall and water, in particular flood waters formed during snow melting period.

RIS for Site no. 2394, Ozirnyi-Brebeneskul , Ukraine	
Significant erosion of sediments occurs on the site $\Box$	
Significant accretion or deposition of sediments occurs on the site $\Box$	
Significant transportation of sediments occurs on or through the site $\Box$	
Sediment regime is highly variable, either seasonally or inter-annually	
Sediment regime unknown 🗹	
4.4.6 - Water pH	
Acid (pH<5.5) ☑	
· / _	
Circumneutral (pH: 5.5-7.4)	
Alkaline (pH>7.4) □	
Unknown □	
4,3 mg/dm3, general mineral content – 30,9 mg/dm3. Water hardness - 0,03 mg-equ./dm3, SO42- – 3,7 mg/dm3, CI – 2 slightly acid water (pH 6,10), hydrocarbonate-natrium type, h	conate-natrium type, soft, hardness -0,18 mg-equ./dm3, SO42 3,7 mg/dm3, Cl- in the Lower Ozirnyi Lake is acid (pH 5,12), hydrocarbonate-natrium type, 2,5 mg/dm3, general mineral content – 18,4 mg/dm3. The Upper Ozirnyi lake has hardness - 0,15 mg-equ./dm3, SO42 3,5 mg/dm3, Cl 2,9 mg/dm3, general acid water (pH 4,82), sulphate-natrium type, hardness - 0,03 mg-equ./dm3, SO42- 15 mg/dm3.
4.4.7 - Water salinity	
Fresh (<0.5 g/l)	
Mxohaline (brackish)/Mxosaline (0.5-30 g/l) □	
Euhaline/Eusaline (30-40 g/l)	
Hyperhaline/Hypersaline (>40 g/l) □	
Unknown □	
4.4.8 - Dissolved or suspended nutrients in water	
·	
Eutrophic	
Mesotrophic 🗆	
Oligotrophic 🗹	
Dystrophic 🗆	
Unknown 🗆	
4.4.9 - Features of the surrounding area which may affect the	Site
Please describe whether, and if so how, the landscape and ecological characteristics in the area surrounding the Ramsar Site differ from the i)the site itself:	oroadly similar <sup>⊚</sup> ii) significantly different <sup>O</sup>
4.5 - Ecosystem services	

# 4.5.1 - Ecosystem services/benefits

Provisioning Services

Ecosystem service	Examples	Importance/Extent/Significance
Fresh water	Drinking water for humans and/or livestock	Medium

Regulating Services		
Ecosystem service	Examples	Importance/Extent/Significance
Maintenance of hydrological regimes	Groundwater recharge and discharge	High
Hazard reduction	Flood control flood storage	High

#### Cultural Services

Ecosystem service	Examples	Importance/Extent/Significance
Recreation and tourism	Nature observation and nature-based tourism	High
Recreation and tourism	Picnics, outings, touring	Medium
Spiritual and inspirational	Inspiration	Medium
Scientific and educational	Long-term monitoring site	High
Scientific and educational	Major scientific study site	High
Scientific and educational	Educational activities and opportunities	Medium
Scientific and educational	Important knowledge systems, importance for research (scientific reference area or site)	High

Supporting Services

Ecosystem service	Examples	Importance/Extent/Significance
Biodiversity	Supports a variety of all life forms including plants, animals and microorganizms, the genes they contain, and the ecosystems of which they form a part	High
Nutrient cycling	Carbon storage/sequestration	Medium

Within the site:	1000
Outside the site:	350000

Have studies or assessments been made of the economic valuation of Yes O No O Unknown @ ecosystem services provided by this Ramsar Site?

# 4.5.2 - Social and cultural values

d C	<ul> <li>i) the site provides a model of wetland wise use, demonstrating the application of traditional knowledge and methods of management and use that maintain the ecological character of the wetland</li> </ul>
r d	ii) the site has exceptional cultural traditions or records of forme civilizations that have influenced the ecological character of the wettan
י ה	iii) the ecological character of the wetland depends on its interaction with local communities or indigenous people:
	iv) relevant non-material values such as sacred sites are present and their existence is strongly linked with the maintenance of the ecological character of the western

<no data available>

# 4.6 - Ecological processes

<no data available>

# 5 - How is the Site managed? (Conservation and management)

# 5.1 - Land tenure and responsibilities (Managers)

#### 5.1.1 - Land tenure/ownership

Public ownership

Category	Within the Ramsar Site	In the surrounding area
National/Federal		
government	(SC)	(Sec.)

#### Provide further information on the land tenure / ownership regime (optional):

The territory of the Site is a part of the core, buffer and anthropogenic landscapes zones of the Carpathian Biosphere Reserve. Lands, owned by the state, given to the administration of the Carpathian Biosphere Reserve for permanent use on the basis of the state act for the right of permanent land use.

#### 5.1.2 - Management authority

# 5.2 - Ecological character threats and responses (Management)

# 5.2.1 - Factors (actual or likely) adversely affecting the Site's ecological character

Human settlements (non agricultural)

Turnari Sculeriena (norragioalara)					
	Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
	Tourism and recreation areas	Low impact	Medium impact	$\checkmark$	<b>&gt;</b>

Agriculture and aquaculture

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Livestock farming and ranching	Low impact	Low impact	✓	✓

Biological resource use

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Gathering terrestrial plants	Low impact	Low impact	✓	✓

Human intrusions and disturbance

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Recreational and tourism activities	Low impact	Medium impact	<b>₽</b>	✓

Invasive and other problematic species and genes

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Problematic native species	Low impact	Low impact	1	<b>✓</b>

Pollution

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area	
Garbage and solid waste	Low impact	Medium impact	✓	✓	

Climate change and severe weather

Chinate Grange and Covere Weather					
	Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
	Habitat shifting and alteration	Low impact	Low impact	✓	<b>✓</b>

Please describe any other threats (optional):

The wetland is located within the boundaries of the Carpathian Biosphere Reserve, which provides constant control over access to the territory and the use of natural resources. Among the main types of nature use on the territory of the site the following should be mentioned: recreation and traditional agriculture, including grazing and hay-mowing, on a small scale. The main threat to this wetland is that it is located on the periphery of the most popular touristic trail in Ukraine, which is annually visited by more than 100 thousand people. Such neighborhood causes soil erosion, pollution with garbage, trampling, water pollution, etc.

#### 5.2.2 - Legal conservation status

#### Global legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
UNESCO Biosphere Reserve	Carpathian Biosphere Reserve	http://www.unesco.org/mabdb/br/b rdir/directory/biores.asp?code=U KR+03&mode=all	whole

#### National legal designations

- terrarion regen area grant area			
Designation type	Name of area	Online information url	Overlap with Ramsar Site
Biosphere Reserve	Carpathian	http://cbr.nature.org.ua/main.ht m	whole

la Strict Nature Reserve

#### 5.2.3 - IUCN protected areas categories (2008)

filderness Area: protected area managed mainly for wilderness protection
Il National Park: protected area managed mainly for ecosystem protection and recreation
ral Monument: protected area managed mainly for conservation of specific natural features
tat/Species Management Area: protected area managed mainly

for conservation through management intervention

VProtected Landscape/Seascape: protected area managed mainly for landscape/seascape conservation and recreation

VI Managed Resource Protected Area: protected area managed mainly for the sustainable use of natural ecosystems

#### 5.2.4 - Key conservation measures

#### Legal protection

Measures	Status
Legal protection	Implemented

#### Habitat

	Measures	Status
	Land conversion controls	Implemented

#### Species

Opecies -		
Measures	Status	
Threatened/rare species management programmes	Partiallyimplemented	

#### Human Activities

Measures	Status
Regulation/management of recreational activities	Implemented
Communication, education, and participation and awareness activities	Implemented
Research	Partially implemented

#### Other

The scientific department consists of 5 laboratories: botanical, forest-science, zoological, phonological and hydro-meteorological, GIS. There are 5 chiefs of laboratory, 2 senior scientists, 2 scientists, 4 junior scientists, 6 leading specialists, and 2 technicians, who are subordinated to the Deputy Director on scientific research. Main fields of activity are biological and landscape diversity monitoring, flora and fauns investigations, vascular plants diversity, elaboration of protection measures and recommendations, research of depredated ecosystems' succession.

# 5.2.5 - Management planning

Is there a site-specific management plan for the site? In preparation

Has a management effectiveness assessment been undertaken for the site?

If the site is a formal transboundary site as indicated in section Data and location > Site location, are there shared management planning Yes O No 

processes with another Contracting Party?

Please indicate if a Ramsar centre, other educational or visitor facility, or an educational or visitor programme is associated with the site:

On the boundary with the site is situated an ecological and educational center "Highlands of the Carpathians", dedicated to the highland areas of Ukrainian Carpathians and also to the traditional nature use. Here is provided detailed information about highland ecosystems and their inhabitants. Also the visit-center serves as a shelter for tourists.

#### 5.2.6 - Planning for restoration

Is there a site-specific restoration plan? Please select a value

#### 5.2.7 - Monitoring implemented or proposed

Monitoring	Status
Plant community	Implemented
Plant species	Implemented
Water regime monitoring	Implemented
Animal species (please specify)	Implemented
Water quality	Proposed
Animal community	Implemented

Monitoring is conducted for Lissotriton montandoni, Ichthyosaura alpestris, Bombina variegate, Bufo bufo, Rana temporaria (Amphibia) and Erebia manto (Insecta, Lepidoptera).

# 6 - Additional material

#### 6.1 - Additional reports and documents

#### 6.1.1 - Bibliographical references

Kruhlovl. 2008. Delimitatsiya, metryzatsiya ta klasyfikatsiya morfogennykh ekoregioniv Ukrayinskykh Karpat. Ukrayinskyy Geografichnyy Zhurnal 3: 59-68. (In Ukrainian).

Prots H.L. 1981. Klimat. In: Herenchuk K.I. (Ed.) Pryroda Zakarpatskoyi Oblasti. pp. 62-87. Vydavnytstvo pry Lvivskomu Derzhavnomu Universyteti, Lviv. (In Ukrainian).

Flora i roslynnist Karpatskoho zapovidnika / Stoyko S.M., Tasenkevich L.O., Milkina L.I. ta in. – Kyiv, Nauk. Dumka, 1982. – 220 s. (In Ukrainian)

Scherbak N.N. Zoogeograficheskoje delenie Ukrainskoi SSR // Vestnik Zoologii. – 1988. - № 3. – S. 22-31 (in Russian).

Didukh Ya.P., Shelyag-Sosonko Yu.R. Heobotanicne rayonuvannia Ukrayiny ta sumizhnykh terytoriy // Ukrayinskyi Botanichnyi Zhurnal. – 2003. T. 60. – № 1. – S. 6-11. (In Ukrainian).

Zagorodniuk I., Godovanets B., Pokynchereda V., Kyseliuk A. Taxonomic diversity of birds and mammals in the Carpathian Biosphere Reserve: a comparison of previous and new data // Methods of monitoring of the nature in the Carpathian National Parks and Protected Areas.

International Conference of the Association of Carpathian National Parks and Protected Areas. - Rachiv, 1995. - P. 119-130. Zagorodniuk I., Pokynchereda V., Kyseliuk A., Dovhanych Ya. Teriofauna Karpatskoho Biosfernoho zapovidnyka // Vestnikzoolohiyi.- 1997.-

suppl. № 5.- 60 s. . (In Ukrainian.)

Bioriznomanittia Karpatskoho biosfernoho zapovidnyka. - Kyiv: Interekocentr, 1997. -. 443 s. (In Ukrainian).

Marynych O.M., Parkhomenko G.O., Paschenko V.M., Petrenko O.M., Tyshchenko P.G. Physico-Geographical zoning. // National Atlas of Ukraine. K.: SSPE "Cartography", 2007. P. 228-229.

Marynych O.M., Shyshchenko P.G.. Physical Geography of Ukraine. Textbook. Kyiv: Znannya, 2005. 511 p.

Pokynchereda V., Paparyha P., Volschuk M. Vysokohirni vodno-bolotni ekosystemy Chornohory – potenciyni Ramsarski obiekty // Pryrodnozapovidni terytoriyi: funkcionuvannia, monitorynh, okhorona: Materialy Mizhnarodnoyi naukovo-praktychnoyi konf., prysv. 30-richiu z dnia stvorennia Karpatskoho NPP (25 lystopada 2010, Yaremche) – Yaremche, 2010. – S. 100-103. (In Ukrainian).

Pokynchereda V., Volschuk M., Pipash L., Paparyha P. Aktualni problem zberezhennia vodno-bolotnykh ekosystem Karpatskoho biosfernoho zapovidnyka // Pryroda Karpat: naukovyi shchorichnyk Karpatskoho biosfernoho zapovidnyka ta Instytutu ekolohiyi Karpat NAN Ukrayiny. – 2016. – № 1. – S. 73–83. (in Ukrainian).

Rizun V.B. Family Carabidae // Soil arthropods of Ukrainian Carpathians. Kyiv: Naukova Dumka, 1988. P. 146-160.

Rizun V.B. The Carabidae of Ukrainian Carpathians. Lviv, 2003. 210 p.

Szczęsny B., Godunko R.J. Catalogue of caddis flies (Insecta: Trichoptera) of Ukraine. Lviv, 2008. 104 p.

The EBCC Atlas of European Breeding Birds. Their distribution and abundance / Edited by Ward J. M. Hagemeijer, Michael J. Blair. Published for the European Bird Census Council by T. & A. Poyser. London, 1997. 903 p.

# 6.1.2 - Additional reports and documents

i. taxonomic lists of plant and animal species occurring in the site (see section 4.3)

ii. a detailed Ecological Character Description (ECD) (in a national format)

iii. a description of the site in a national or regional wetland inventory

iv. relevant Article 3.2 reports

v. site management plan

vi. other published literature

<no data available>

#### 6.1.3 - Photograph(s) of the Site

Please provide at least one photograph of the site



Zelenskyi, 14-08-2016



Ozime ( Vasyl Zelenskyi, 09





Nizne Ozime ( Vas



Stow Ozimyi-Brebeneskul Vasyl Pokynchereda, 10-06 2018 )



Stow Ozirny i-Brebeneskul 2018



Stow Ozimy i-Brebeneskul ( Vasyl Pokynchereda, 10-06 2018 )

#### 6.1.4 - Designation letter and related data

Designation letter

Date of Designation 2019-04-04