



Coastal Research and Planning Institute

**PLANNED ECONOMIC ACTIVITY – CONSTRUCTION OF A WIND FARM
IN THE MUNICIPALITY OF SKUODAS –
DOCUMENTS FOR ENVIRONMENTAL IMPACT ASSESSMENT**



Organiser of the planned economic activity: UAB Skuodas Wind

Preparer of EIA selection documents: Public Institution Pajūrio tyrimų ir planavimo institutas

Klaipėda, 2022



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MUNICIPALITY OF SKUODAS –
DOCUMENTS FOR THE ENVIRONMENTAL IMPACT ASSESSMENT SELECTION**

Location of planned economic activity:

Skuodas r. Municipality Lenkimai sen. Plaušinių,
Palegijos, Žemytės, Juodeikiai villages

Year of preparation:

2

Planned economic activities		
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1. INFORMATION ABOUT THE ORGANIZER OF THE PLANNED ECONOMIC ACTIVITY AND THE PREPARER OF THE EIA DOCUMENTS

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A declaration that the EIA document preparer authorized by the organizer of the planned economic activity complies with the requirements set forth in Article 5(1)(4) of the Law on Environmental Impact Assessment of Planned Economic Activity of the Republic of Lithuania is provided in Appendix 1.

2. DESCRIPTION OF THE PLANNED ECONOMIC ACTIVITY

2.1. Name of the planned economic activity, indicating the legal basis for the selection for EIA

Planned economic activity (hereinafter referred to as PEA) – production of electricity using alternative renewable wind energy sources.

It is planned to construct a wind farm (hereinafter referred to as the WF) on land plots located in the villages of Plaušinių, Palegijos, Žemytės, Juodeikiai, Lenkimų seniūnija, Skuodo r. savivaldybė. Twenty-four possible locations for the WF are being analyzed.

The selection of planned economic activities for environmental impact assessment procedures is carried out in accordance with point 3.8.1 of Annex 2 to the Law on Environmental Impact Assessment of Planned Economic Activities (No. XIII-529 of 27 June 2017): Three wind turbines are to be installed, at least one of which is 50 m high (measured to the highest point of the structure) or more.

2.2. Physical characteristics of the PŪV

The development potential of the PŪV is analyzed on land plots with cadastral numbers 7520/0003:219, 7520/0003:281, 7520/0003:114, 7520/0003:121, 7520/0003:99, 7520/0003:214, 7520/0003:48, 7520/0003:1, 7520/0004:63, 7520/0004:111, 7520/0004:342, 7520/0004:330, 7520/0004:341, 7520/0004:228, 7520/0004:225, 7520/0004:273, 7520/0004:224, 7520/0004:107, 7520/0004:31, 7520/0004:34, 7520/0004:33, 7520/0004:160, 7520/0004:45 located in Skuodo r. sav., Lenkimų sen. (Table 2.2.1).

An electrical transformer substation is planned to be built in Skuodo r. sav., Lenkimų sen., Juodeikių village, on a plot of land with cadastral No. 7520/0004:273.

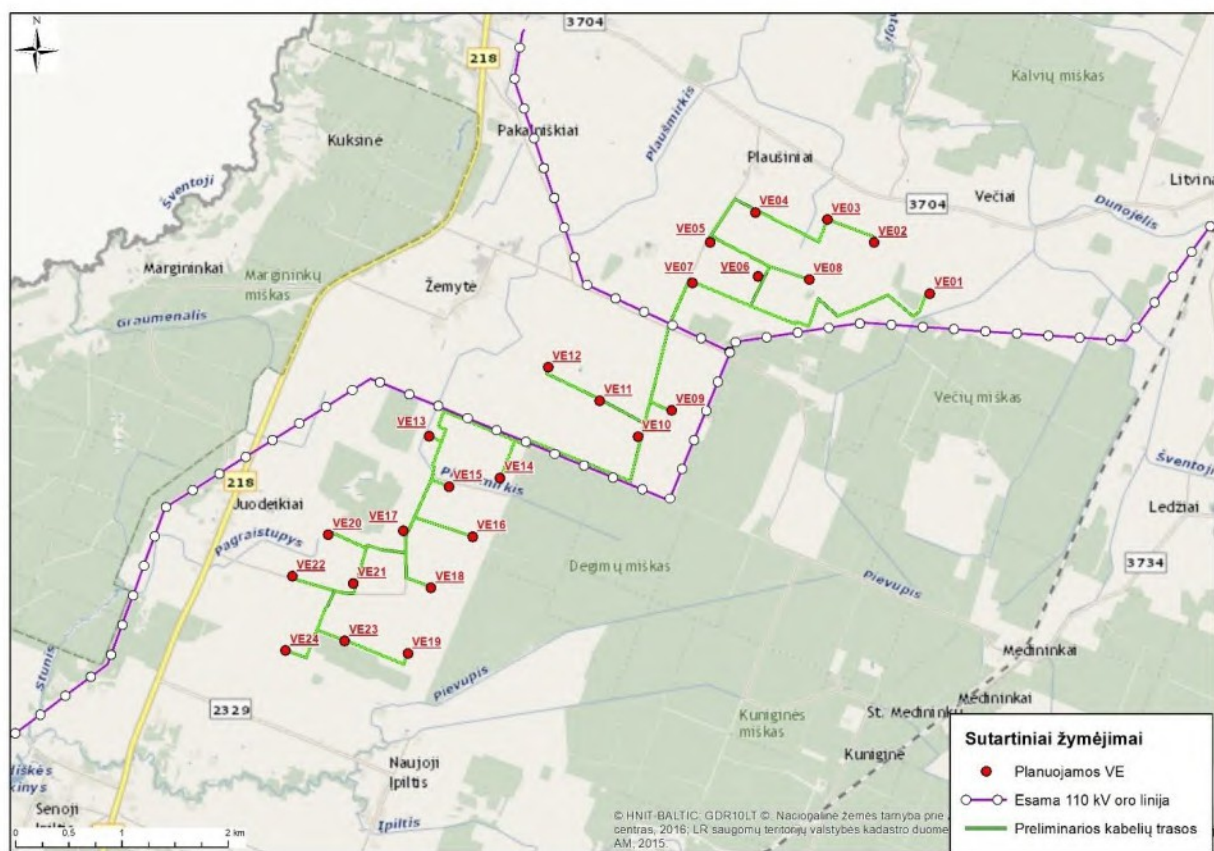
The land use of the analyzed land plots is agricultural (Table 2.2.1, Fig. 2.2.1). Extracts from the central database of the Real Estate Register (with anonymized data) are provided in Appendix 2.

2.2.1 Table Information on land plots where the VE park and electrical substation are planned to be built

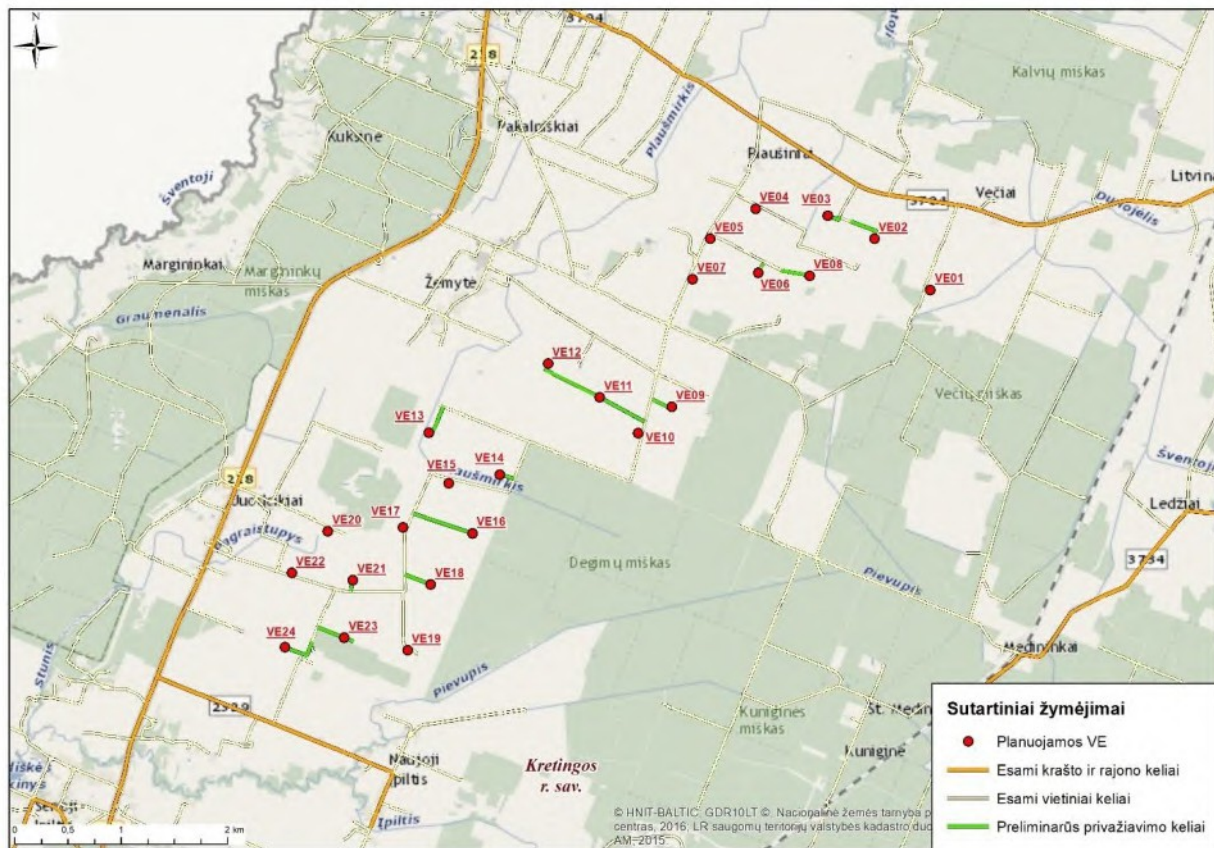
PŪV	Land plot cadastral No.	Land plot area, ha	Main intended use	Method of use
VE01	7520/0003:219	33.7	Agricultural	Other agricultural land
VE02	7520/0003:281	7.21	Agricultural	Other agricultural land plots
VE03	7520/0003:114	9.93	Agricultural	-
VE04	7520/0003:121	9.40	Agriculture	-
VE05	7520/0003:99	5.7000	Agriculture	-
VE06	7520/0003:214	3.6280	Agricultural	Other agricultural land plots
VE07	7520	2.1600	Agricultural	-
VE08	7520/0003:1	15.1223	Agricultural	Other agricultural land
VE09	7520	7.4768	Agricultural	Other agricultural land
VE10	7520/0004:19	7.31	Agricultural	-
VE11	7520/0004:111	17.35	Agriculture	-
VE12	7520/0004:342	7.3031	Agricultural	Other agricultural land plots
VE	7520/0004:330	6.8277	Agricultural	Other agricultural land plots
VE14	7520/0004:341	2.6936	Agricultural	Other agricultural land plots
VE15	7520/0004:228	19.30	Agricultural	Other agricultural land plots
VE16	7520/0004:225	10	Agricultural	-
VE17 TP	7520/0004:273	6.21	Agricultural	Other agricultural land plots
VE18	7520/0004:224	11	Agricultural	-
VE19	7520/0004:107	13.26	Agriculture	-
VE	7520/0004:31	13.1773	Agricultural	Other agricultural land plots
VE21	7520/0004:34	5.66	Agricultural	-
VE22	7520/0004:33	8.1700	Agriculture	-
VE23	7520/0004:160	1.58	Agriculture	-
VE24	7520/0004:45	20.2400	Agriculture	-

Once the PŪV is implemented, wind farms with the necessary infrastructure (access roads, service areas) will be built on the plots. The estimated area required for the installation of one wind farm is approximately 0.3 ha. The land plots will be divided for the installation of wind turbines, and the purpose of the separated part of the land plot where the wind turbines will be installed will be changed to "Other." No other structures are planned. No demolition work is planned.

The electricity generated by the planned power plants will be connected to the planned transformer substation (Fig. 2.2.1) via underground cables in accordance with the connection conditions issued by the electricity network operator. Written consent from the landowners will be obtained for the laying of cable power lines across private land plots.



2.2.1 Fig. Existing and planned engineering infrastructure, preliminary planned underground cable routes.



2.2.2 Fig. Preliminary plan of access roads to the VE.

When planning construction and operation, it is planned to make maximum use of existing roads, from which access roads will be built to the planned VE installation sites.

The land plots under analysis have state-owned land improvement systems. If necessary, the land improvement facilities will be relocated during the construction of the VE without disrupting their use.

2.3. Nature of the planned activity: production, technologies, capacities

It is planned to build a wind farm for electricity generation.

Activity category according to the Classification of Economic Activities¹ :

Section	Division	Group	Class	Name
D	35	35		Production, transmission, and distribution of electricity
			35	Electricity production

The EIA selection document is being prepared at an early stage of planning, so the economic operator has not yet decided which manufacturer's wind turbines will be installed.

2.3.1 The table provides an overview of the technical and physical characteristics of various wind turbine models analyzed for the implementation of the PŪV. With the rapid development of renewable energy production technologies, higher-capacity wind turbine prototypes are being developed, which will allow for the production of larger amounts of energy in the future.

2.3.1 Table. Main technical data of the analyzed RE models

Model	Examples of RE models			Summary of the physical and technical parameters of the evaluated RE models
	GE 6.0-164	Vestas V172	Siemens Gamesa SG 6.6-170	
Nominal power, MW	6	7	6	Up to 8.0
Tower height, m	16	16	16	161 (for noise) 166 (for shading)
Rotor diameter, m	164	17	17	172 (for shading)
Total VE height, m	24	2	25	up to 252
Sound power, dBA	10	106	107	107

During the implementation of the project, other wind turbine models with similar characteristics from different manufacturers available on the market at that time may be selected.

Main planned wind farm installation works:

- construction of access roads: existing roads will be used during the construction and operation of the wind farm, and new local access roads with gravel surfaces will be designed and constructed from these roads to the planned wind farm. During the construction of access roads, the fertile soil layer will be moved to piles, stored and, after completion of construction and installation works, used for landscaping. Existing roads will be reinforced as necessary, i.e., field roads will be graded, existing potholes will be filled, gravel surfaces will be renewed, and local roads will be maintained periodically.
- Construction and maintenance site for the VE: an area of approximately 0.3 ha is required for the installation of one VE. The fertile soil layer within the site boundaries will be excavated/moved to a temporary storage site. A pit for the foundations is dug in the required area. The excavated soil is stored in a designated place.
- Installation of wind turbine foundations: the foundations are monolithic, cast on site from ready-mixed concrete. The foundations are designed to accommodate factory-made components to which the wind turbine towers will be attached. Mechanized soil excavation and lifting equipment is to be used for the installation of the foundations. Once the foundations have been installed, they are backfilled with the previously excavated soil and compacted.

¹ Order No. DI-226 of the Director General of the Statistics Department under the Government of the Republic of Lithuania of October 31, 2007, "On the Approval of the Classification of Economic Activities."

- Installation of wind turbines: factory-made wind turbine components are delivered to the construction site. The wind turbine tower is erected on the foundations, and the rotor and blades are attached.
- Laying and connecting cable lines to the power grid: cable lines are to be laid using mechanized excavation equipment to dig trenches. A sand bed is prepared at the bottom of the trenches. Imported sand is used for the initial filling of the cable lines, and excavated soil cleaned of stones is used for the remaining filling.
- Construction site cleanup: the remaining excavated soil will be evenly distributed across the site to form a service area of the required size for the VE, and the fertile soil layer will be spread (returned) around the service area.

The installation of the transformer substation is similar to that of the VE. A service area for the transformer substation will be prepared: the vegetation layer in the yard will be removed and stored, the substation will be built, the entire area under the live equipment will be covered with crushed stone, and the remaining unbuilt area will be planted with perennial, low-growing, slow-growing grass.

2.4. Use and generation of raw materials, products, chemicals, and mixtures; use of radioactive materials; use of hazardous and non-hazardous waste; quantities of such raw materials, products, substances, mixtures, and waste to be used and stored during the planned economic activity

Certified products that meet European Union requirements will be used for the construction of wind farms on the land plots under analysis, and only the installation of individual facilities, the preparatory work required for this, and subsequent operation of the wind farms will be carried out on the plots.

During construction work (construction of the wind farm, technical infrastructure, sites, access roads, and cables), the equipment (vehicles, machinery) will use diesel fuel. Gravel and crushed stone will be used to construct the wind farm maintenance site.

No hazardous chemicals or preparations, radioactive materials, or hazardous or non-hazardous waste are expected to be used during the PUV.

A certain amount (to be specified during the preparation of the technical design) of transformer oil will be used in the VE park transformer substation, which, according to EU Directive 2012/18/EU (Seveso III Directive), is not classified as a hazardous substance used to determine the hazard level of a facility. On 1 June 2015, the Government of the Republic of Lithuania adopted Resolution No. 517 "On the approval of the provisions on the prevention, elimination and investigation of industrial accidents and the list of hazardous substances and mixtures, their qualifying quantities and criteria for the classification of chemical substances and mixtures as dangerous substances," transformer oil is not classified as a flammable liquid.

2.5. Extent of use and regeneration potential of natural resources (living and non-living elements of nature) – water, land (surface and subsoil), soil, biological diversity

During the installation of the VE, soil movement works will be carried out. The preliminary area required for the installation of one VE is 0.3 ha. During the construction of access roads and yards, the fertile soil layer will be moved to piles, stored, and used for landscaping after the construction and installation works are completed.

No other natural resources are expected to be used during the development of the project.

2.6. Data on energy, fuel, and fuel consumption

During construction works (VE, TP, yards, access roads, and cable installation works), it is planned to use construction equipment – excavators, bulldozers, trucks, and other machinery – which will consume diesel fuel (consumption according to actual needs).

Planned economic activity – wind farms – is intended for the production of electricity from renewable sources (wind).

2.7. Generation of hazardous, non-hazardous, and radioactive waste, indicating the place of waste generation, types of waste generated, planned quantities, and waste management

During the construction of the wind farm, the installation of service areas and access roads, and the laying of foundations, small amounts of construction waste may be generated.

All construction waste generated during the works shall be sorted and stored in containers until it is transported and transferred to waste management companies. Construction waste will be managed in accordance with the Construction Waste Management Rules (approved by Order No. D1-637 of the Minister of the Environment of the Republic of Lithuania on December 29, 2006).

No waste generation is expected during the planned economic activity.

Waste generated during the dismantling of the VE

Small amounts of mixed construction waste may be generated during the dismantling of VE models. This waste will be collected in special containers and transported for further treatment in accordance with contracts with waste management companies.

During the decommissioning (dismantling) of the wind farm: dismantled technological equipment and individual equipment parts will be transported for sale on the secondary market or transferred to special waste management companies in accordance with the laws of the Republic of Lithuania.

All construction waste generated during the works shall be sorted and stored in containers until it is transported and transferred to waste management companies. Construction waste will be managed in accordance with the Construction Waste Management Rules (approved by Order No. D1-637 of the Minister of the Environment of the Republic of Lithuania on December 29, 2006).

The waste generated will be transferred to specialized companies that manage/recycle such waste and comply with the Waste Management Law of the Republic of Lithuania, the Waste Management Rules, the Rules for the Management of Electrical and Electronic Equipment and Waste, the Construction Waste Management Rules, and other legal acts, and will be managed in accordance with the requirements of the waste management legislation of the Republic of Lithuania in force at the time.

The exact types, quantities, and categories of waste will be specified during the preparation of the technical design.

2.8. Wastewater generation, preliminary quantities and pollution, and treatment

No industrial or domestic wastewater will be generated during the planned economic activity.

Rainwater runoff from VE service areas will not be collected and will filter naturally into the ground.

2.9. Chemical pollution and its prevention

During the implementation of the PŪV, there may be a temporary and local increase in air pollution due to the use of fuel-burning equipment (earthworks, transport, construction, and other machinery) at the work site. This increase in air pollution will be short-term, episodic (only during the works) and will not have a significant impact on the quality of the environment.

There are no sources of air pollution during operation. The PŪV is expected to have an indirect positive impact on the ambient air: wind energy is a renewable energy source, the use of which reduces the use of fossil fuels and, consequently, CO₂ and other pollutants emitted into the ambient air during fuel combustion. When assessing the energy and carbon balance, the wind farm must be operated for approximately 3–7 months in order to cover the energy required for its entire life cycle (including dismantling and waste management) and to avoid 391 to 828 g of CO₂ emissions per kWh produced.⁽²⁾

In order to avoid chemical soil contamination during construction work, technically sound vehicles and machinery must be used.

2.10. Formation of odor pollution

The PŪV does not affect odor pollution.

2.11. Formation of physical pollution and its prevention

During the implementation of the PŪV, noise may be generated by mobile noise sources – work equipment, vehicles arriving at/departing from the work area. This noise will be temporary and local – at the workplace of the mechanisms or equipment during their operation.

Construction work is planned to be carried out only with technically sound machinery whose noise levels do not exceed STR 2.01.08:2003 "Noise emitted into the environment by equipment used in outdoor conditions."

² European Wind Energy Association. 2009. Wind energy. The facts. A guide to the technology, economics and future of wind power. Earthscan, London, p. 568

management" (approved by Order No. 325 of the Ministry of the Environment of the Republic of Lithuania on June 30, 2003) for outdoor equipment. The increase in noise will be short-term, sporadic (only during the operation of machinery and mechanisms) and will not have a significant impact on the quality of the environment. The installation of the VE is planned to be carried out only during the day (in accordance with HN 33:2011). These works will not be carried out in the evening, at night, on weekends, or on public holidays.

During operation, the following physical pollution is characteristic: noise, shadowing, infrasound, and electromagnetic radiation.

2.11.1. Noise

Maximum permissible noise limits

Noise in residential and public buildings and their surroundings is assessed by comparing the results obtained by modeling with the relevant Lithuanian hygiene standard HN 33:2011 "Noise limits in residential and public buildings and their surroundings," approved by the Minister of Health of the Republic of Lithuania on June 13, 2011, Order No. V-604 "On the Approval of Lithuanian Hygiene Norm HN 33:2011 "Noise limits in residential and public buildings and their surroundings" (hereinafter referred to as HN 33:2011), the maximum permissible noise limits in residential and public buildings and their surroundings are as follows:

Object name	Time of day*	Equivalent sound pressure level (L_{AeqT}), dBA	Maximum sound pressure level (L_{AFmax}), dBA
In the vicinity of residential buildings (houses) and public buildings (except for catering and cultural buildings), excluding traffic noise	Day	5	6
	Evening	5	55
	Night	4	50

*The start and end times of the day (morning, evening, and night) are understood as defined in the definitions of the daytime noise indicator (L_{dienos}), evening noise indicator (L_{vakaro}), and nighttime noise indicator ($L_{nakties}$) specified in Articles 2(3), 2(9), and 2(28) of the Law on Noise Management of the Republic of Lithuania. evening noise indicator (L_{vakaro}) and night noise indicator ($L_{nakties}$) as defined in the Law on Noise Management of the Republic of Lithuania.

The predicted noise from the planned economic activity is assessed in accordance with the maximum permissible noise limits regulated by HN 33:2011 for residential buildings (houses) and public buildings (except for catering and cultural buildings) in the environment, excluding noise caused by transport.

Sources of noise from planned economic activities

During the implementation of the PŪV, there may be a temporary and local increase in noise due to the use of machinery and equipment (earthworks, transport, construction, etc.) at the work site. This increase in noise will be short-term, episodic (only during the performance of works) and will not have a significant impact on the quality of the environment. The works are carried out during the day.

During the operational phase, noise is possible due to the operation of the VE.

PŪV noise level forecast

In order to determine the noise impact zones of the planned wind turbines, mathematical modelling of the noise levels was performed. Noise modelling was performed using WindPRO software (version 3.5.552). The WindPRO model calculations are based on the International Standard ISO 9.613-2, the German Standard ISO 9.613-2, the UK Standard ISO 9.613-2, the Danish Environmental Protection Agency and the Dutch recommendations of 1999. Based on noise data, the WindPRO model calculates the distribution of noise levels of the planned wind farms and, after identifying noise-sensitive areas, determines the noise level at specific points.

The following operating conditions for wind turbines were adopted for modeling the maximum noise generated:

- all planned wind turbines are operating at the same time. Taking into account that the clients may choose a wind turbine model other than those listed in the EIA selection document for the project development, the worst-case scenario method is used for noise assessment. I.e., in order to determine the maximum impact zones of the assessed wind turbines, the lowest tower height model listed in Section 2.3, which may cause the greatest impact, was used for noise dispersion modeling. Noise modeling

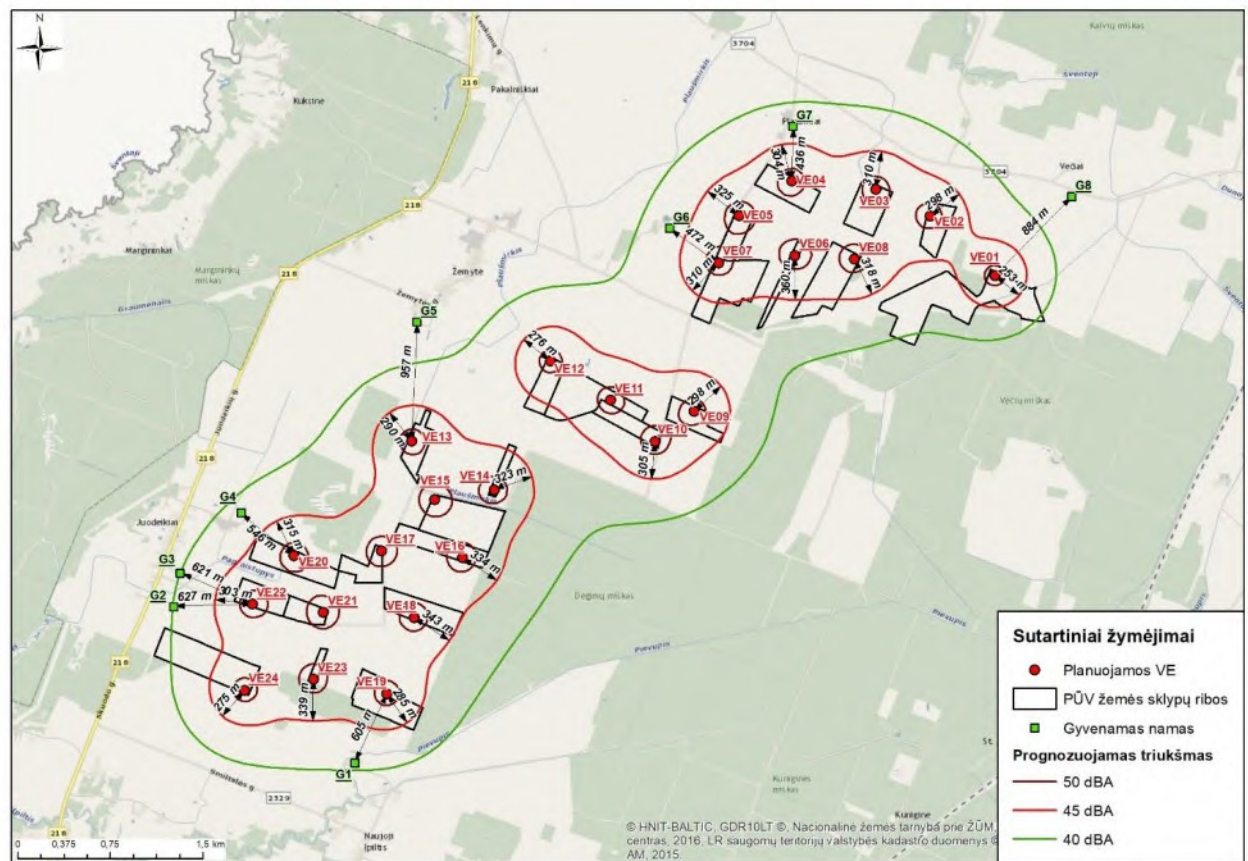
- VE model GE-6.0-164 is used, with a tower height of 161 m and a noise level of 107.0 dBA.
- The calculated wind speed is 10 m/s (according to German standard ISO 9.613-2 "Acoustics - Attenuation of sound during propagation outdoors"). The maximum speed and load of the analyzed VE models are reached at a wind speed of 7–10 m/s, i.e., the noise level does not change as the wind speed increases. Thus, the maximum possible noise level of each VE model is accepted for modeling.
 - the sound attenuation coefficient due to meteorological conditions is 0.0;
 - Sound attenuation coefficient due to ground surface effect – 0.7. The analyzed area is dominated by land use types: cultivated land, meadows, orchards (porous, absorbent surface, coefficient 1), but part of the area is covered with hard surfaces (access roads, etc., reflective surface, coefficient 0). In the case of a mixed surface, the coefficient values are selected from 0 to 1. A mixed surface attenuation coefficient of 0.7 was adopted for the analyzed area, taking into account that the environment is dominated by porous surfaces and there are fewer hard reflective surfaces.

The results of the noise propagation modeling are presented in Table 2.11.1 and Appendix 3.

2.11.1 Table Calculated noise levels in the vicinity of the nearest residential buildings (at a distance of 40 m from the residential building)

Residential environment	Determined noise indicator value, dBA
G	41
G	4
G	40.6
G	42.2
G5	37
G	43
G7	43
G	36
HN 33:2011 RV at night, dBA	4

According to the modeling results, the 45 dBA noise level isolines are formed at a distance of approximately 275–374 m from the VE (Fig. 2.11.1).



2.11.1 Fig. Contour lines of the predicted noise level of the PŪV.



2.11.1 Fig. Isolines of the predicted noise level of the PŪV at a distance of 40 m from the nearest residential buildings.

The modeling results show that the predicted noise level caused by the planned wind farms in the residential environment (G1–G8) does not exceed the noise limits regulated by HN 33:2011 for residential buildings (houses) and public buildings (except for catering and cultural buildings) in the environment, except for noise caused by transport.

Assessment of noise from transformer substations

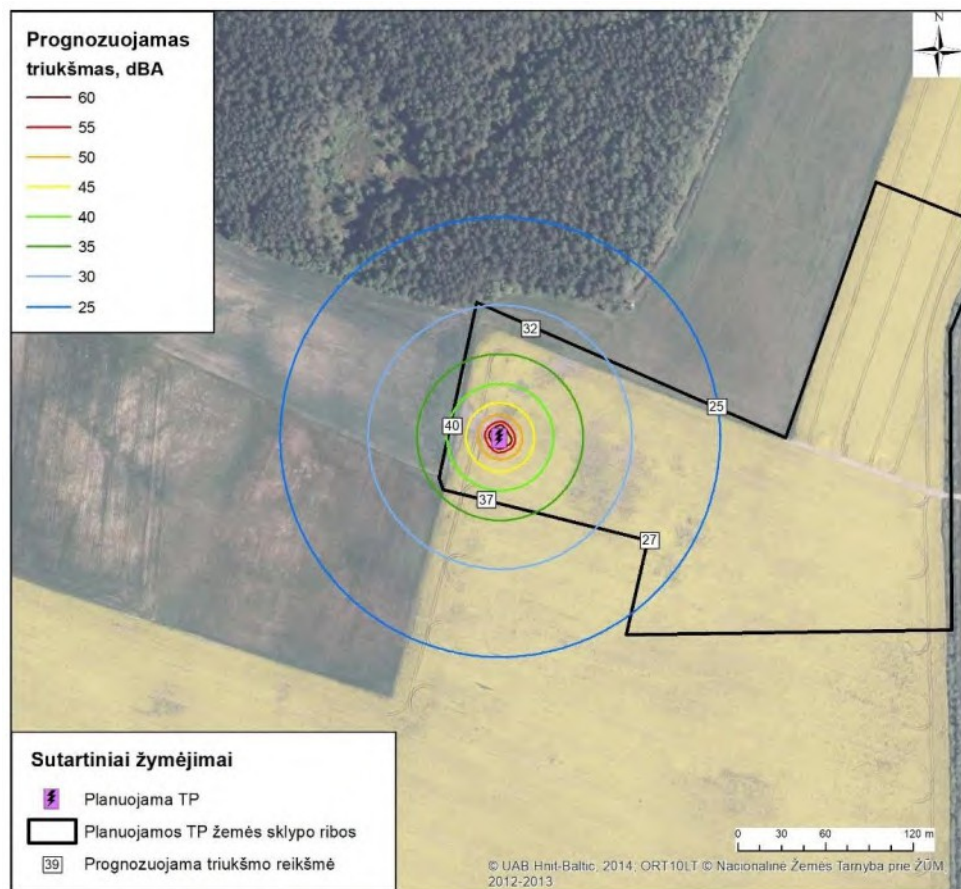
The noise generated by transformer substations in the analyzed area was calculated using CadnaA software. CadnaA (Computer Aided Noise Abatement) is software designed for calculating, visualising, assessing and predicting the impact of noise. The CadnaA program evaluates all groups of acoustic pollution sources (according to 2002/49/EC) to which the relevant methodologies and standards applicable in the European Union and Lithuania apply: industrial noise (ISO 9613).

Based on the Law on Noise Management of the Republic of Lithuania (LRS, October 26, 2004, No. IX-2499), the Lday, L evening, and Lnight noise indicators are assessed.

When calculating noise levels according to the ISO 9613 calculation method, the following conditions and indicators were adopted:

- noise level calculation height – 1.5 m, receptor grid spacing – 2 m;
- air temperature +10 °C, relative humidity – 70 %;
- ground surface type according to sound absorption – 0.7;
- The planned noise pressure level of the TP was set at 65 dB(A) at a distance of 2 m, in accordance with the requirements of LST EN (IEC) 60076-10: during measurements, a fully loaded power transformer must not exceed 65 dB(A).

The results of the noise dispersion modeling are presented in Fig. 2.11.2.



2.11.2 Fig. Predicted transformer noise.

The maximum noise level at all times of the day at the boundary of the transformer substation site is 40 dBA.

The noise generated by the planned transformer substations will not exceed the noise limits for residential and public buildings and their surroundings specified in Lithuanian hygiene standard HN 33:2011 "Noise limits in residential and public buildings and their surroundings," which regulates noise limits in residential and public buildings and their surroundings at all times of the day, either at the boundaries of the plots under analysis or in the immediate residential environment.

2.11.2 Shadowing

Wind turbines, like other tall structures or trees, cast shadows on nearby objects in sunny weather. In addition, near wind turbines, there may be an effect of light flickering caused by the rotating blades.

There are no methodologies or hygiene standards developed and approved in Lithuania for assessing the impact of shadowing. The permissible level of shadowing is based on the recommended permissible shadow impact standards set out in German standards. Currently, only Germany has prepared detailed recommendations for limit values and shadow modeling conditions (WindPRO user manual. Via Nielsen et al. Denmark. 1st edition, January 2008).

The maximum permissible shadow impact according to German standards is:

- maximum 30 hours per year;
- maximum 30 minutes per day.

WindPro (version 3.5) software was used to predict shadowing, which allows determining, during the design of a wind farm, in which areas and for how many hours per year shadowing effects are possible.

The program allows the shading time in specified locations to be estimated, the worst-case shading values to be determined, and these to be recalculated according to actual meteorological conditions, taking into account the expected shading time in the specified areas. When calculating the expected shadowing time, the following is taken into account:

- a) the probability of sunny hours for each month;
- b) VE working hours according to wind direction time;
- c) the difference between the wind direction and the angle of the sun's rays.

Based on these parameters, the expected number of hours of shading per year is determined for each specified location. This determined number of hours of shading per year must not exceed the maximum permissible number of 30 hours per year (according to German standards).

The results of the modeling with shadow flicker hours are presented in the form of a calendar, which specifies the exact date of the shadow flicker in days, the time of day, and the duration in minutes for each farmstead. Based on this information, maps are drawn up showing the shadow impact zone, limited by an isoline of 30 hours of shadow flicker per year.

In order to determine whether the planned economic activity may have a negative impact on the immediate environment and human health, a shadow assessment was carried out assuming that all planned wind turbines are operating simultaneously. The input data required for the modeling program—wind farm model, height, rotor diameter, and other technical characteristics of the wind turbines—were entered according to the technical characteristics provided by the manufacturer (see Section 2.2, Table 2.3.1, Appendix 4).

The modeling was performed in accordance with:

- the coordinates of the wind turbines;
- coordinates of existing residential buildings;
- topographical map;
- digital elevation map;
- wing diameter;
- VE height.

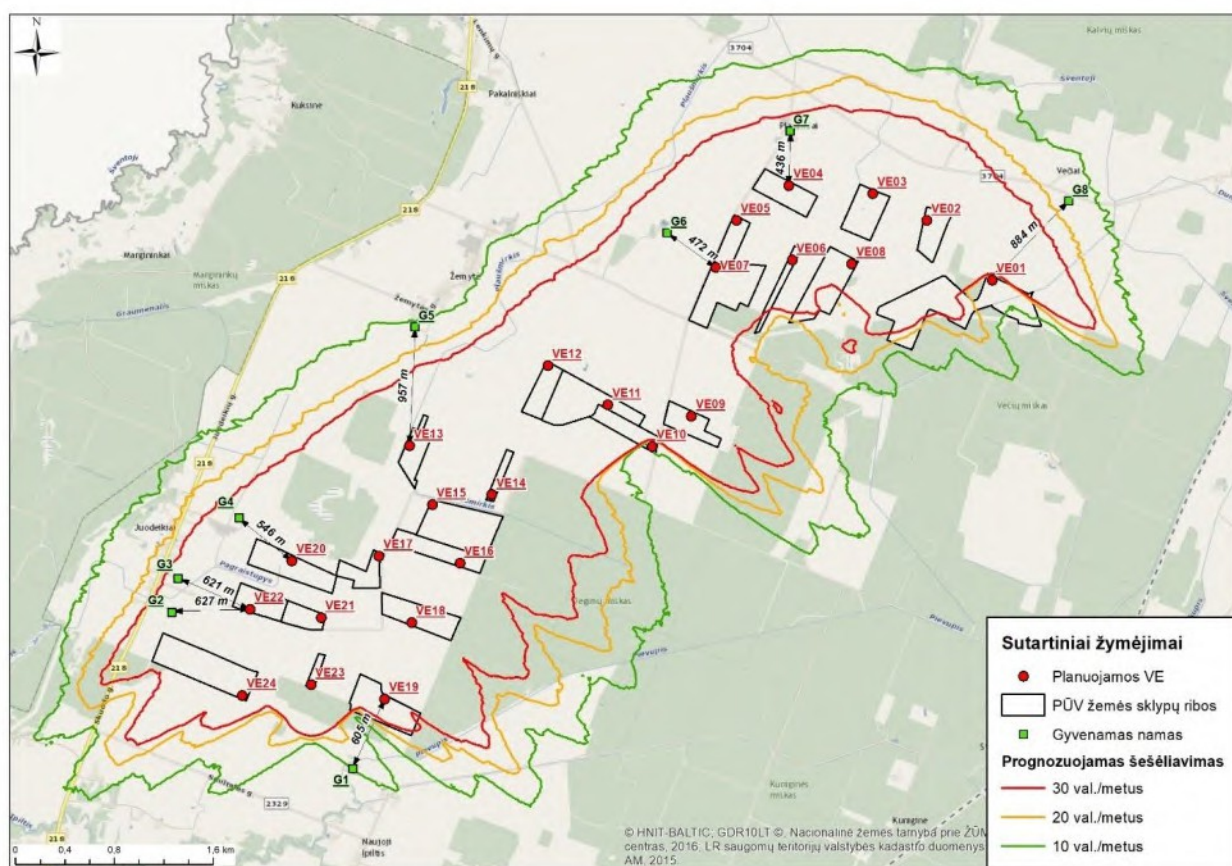
In order to determine whether the planned economic activity may have a negative impact on the immediate environment and human health, a shadow assessment was carried out assuming that all planned wind turbines are operating simultaneously. Given that the clients may choose a wind farm model other than those listed in the EIA screening document for the development of the project, the worst-case scenario method was used for the shadow assessment. In other words, in order to determine the maximum impact zones of the assessed wind farms, the wind farm model used for shadow assessment was based on the highest parameters listed in Section 2.3: rotor diameter – 172 m; tower height – 166 m.

Shadowing simulation results

The results of the shadowing simulation are presented in Appendix 4 and Table 2.11.2, Figure 2.11.3.

2.11.2 Table. Duration of shadowing caused by VE in the area of the nearest farmsteads

Living environment	Duration of shadowing, hours/year
G	10:41
G	61
G	40:27
G4	46:26
G5	11:32
G6	95:23
G7	44:22
G	15:41
RV	30 hours per year



2.11.3 Fig. Projected shadow duration of the planned wind farm in the area.

According to the analysis of the duration of shadowing of the VE, the maximum permissible duration of shadowing of 30 hours per year (according to German standards) may be exceeded in residential areas G2, G3, G4, G6, and G7, therefore, mitigation measures must be applied to reduce the impact of shadowing.

VE shadow reduction measures

A shadow reduction (shadow shut-down) mechanism may be installed on the VE to reduce shadow flicker in the living environment. This system will stop the rotation of the VE during the hours of peak sunlight and eliminate shadow flickering in residential areas.

The VE manufacturer plans to integrate a computer program for reducing shading into the VE control system. Three light sensors are mounted on the VE tower so that they can determine the intensity and angle of sunlight. The control system stops the VE when the values measured by the sensors exceed the specified values (selected according to the hydrometeorological conditions of the area and calculated during testing). The VE is automatically restarted after at least 10 minutes of lighting conditions that do not allow intense shadow flicker to occur. This will ensure that the shading time in nearby farms does not exceed the specified 30 hours per year and does not have a negative impact on the quality of the living environment.

The quality of the wind turbine's operation is controlled by a microprocessor system. Sensors are connected to all wind turbine components and monitor data such as wind speed and direction, which are used to adjust the wind turbine's operating mode. The Shadow Shutdown mechanisms work on the same principle. When the sensors react to the intensity of sunlight, the wind turbine braking mechanism is activated. The sensor readings are recorded on monitors and transmitted to a remote control panel, where all wind turbine operating modes and changes are monitored. One example of such a remote monitoring system is the SCADA system used to control VE operation.

Shading simulation results after applying mitigation measures

According to the shadow analysis, the annual shadow flicker duration of 30 hours may be exceeded in the vicinity of residential farmsteads G2, G3, G4, G6, and G7 (Table 2.11.3, Appendix 4). This exceedance is influenced by: VE20, VE22 in the vicinity of farmsteads G2, G3, and G4; VE04, VE05, VE07 in the vicinity of farmstead G6; and VE04 in the vicinity of farmstead G7. Therefore, shadow reduction measures must be applied in these VEs. The WindPro model is unable to provide a graphical representation of the modeling results after applying the measures and to create a map of shadow zones, therefore, Table 2.11.4 and Appendix 4 only present the calculation data, and a map of shadow duration isolines is not provided.

2.11.4 Table. Duration of shadowing caused by the VE after applying measures in the farmstead area

Living environment	Duration of shadowing determined after applying measures, hours/year
G	10
G	18
G	16:34
G4	23:30
G5	11:32
G	13:39
G7	24:23
G8	15:
RV	30 hours per year

According to the analysis of the duration of shadowing after the implementation of mitigation measures, the duration of shadowing in the residential area (G1–G8) will not exceed the maximum permissible value of 30 hours per year (according to German standards).

2.11.3 Infrasound

A rotating wind turbine emits infrasound due to the fluctuating aerodynamic loads on the blades³. The higher the rotational speed of the wind turbine, the stronger the infrasound emitted from the blade tips. The wind turbines of many older wind turbines are oriented downwind, behind the tower, which is why low-frequency noise was often recorded. Modern wind turbine turbines are almost always oriented upwind, with the blades facing the tower.

The planned wind turbines have a windward blade configuration, so the wind first flows through the blades and then through the generator, allowing an uninterrupted airflow to reach the blades and thus preventing the formation of infrasound (SWECO⁴).

³ J. Mažuolis. Investigation and assessment of noise generated by wind turbines and protective measures, doctoral dissertation, VGTU, 2013.

⁴ SWECO. Preparation of methodological recommendations for assessing the impact of wind energy on public health. Final report. Ref. No. SMLPC 2013/06/13007.

During wind farm operation, infrasound may be emitted for the same reasons as higher-frequency noise and may be of mechanical or aerodynamic origin. When assessing infrasound caused by wind farms, it is difficult to distinguish it from the existing infrasound level caused by the wind itself.

In Germany and other European countries, there has not been a single case where a wind farm project has been halted due to non-compliance with infrasound and low-frequency noise requirements (SWEKO). There has also not been a single case where operating wind turbines have exceeded the established infrasound limit values. In European countries, infrasound and low-frequency noise caused by wind turbines are not a subject of debate, as competent experts have determined that modern wind turbines emit only insignificant levels of infrasound.

In Lithuania, the limit values for infrasound and low-frequency sound are set by Lithuanian Hygiene Standard HN 30:2018 "Infrasound and low-frequency sound: limit values in residential, special-purpose, and public premises" and is used to assess the impact of infrasound and low-frequency sound on public health.

There are no established methods for predicting (modeling) the propagation of infrasound and low-frequency sounds in the Republic of Lithuania. Infrasound can only be measured when a wind farm is in operation. Predictions of infrasound caused by wind turbines can only be made by evaluating data and information from literature sources. Measurements carried out in Germany and England have shown that infrasound and low-frequency sounds caused by wind turbines are significantly lower than the human hearing threshold and therefore do not have a negative impact on public health⁽⁵⁾.

As stated in publication ⁶, during very strong winds, infrasound was recorded at a distance of 100–250 m from the wind turbine <70 dB(A). Under normal wind conditions, it was 50 dB(A). The natural infrasound background during strong winds (depending on the location) is also approximately the same as the infrasound emitted by wind turbines.

In Zagórze, Poland, infrasound studies conducted at a wind farm with 15 Vestas V80 turbines showed that at a distance of 100 m from the turbines, the G-weighted sound level reached 75 dBG. Another study in Ontario showed that at a distance of 60 m from a 1.5 MW wind turbine, the sound reaches 80 dBG, and at 300 m – 67 dBG. It is claimed that infrasound levels below the human perception threshold can be achieved within 100 m of a single wind turbine, and that infrasound from 19 wind turbines is no longer perceptible to humans at a distance of 400 m. Tones with frequencies higher than 3.0 Hz quickly weaken with increasing distance from the object emitting the infrasound, so higher-frequency infrasound waves are likely to weaken as they move away from the source.

However, as stated in publication ⁷, scientific studies have shown that intense noise at frequencies of 50–80 Hz can cause resonant vibrations on the surface of the chest. It has been found that infrasound causes greater vibration of the body surface in people with low body mass, but it has not been proven that infrasound-induced vibration of the body surface is transmitted to internal organs and causes any diseases. However, a link between subjective unpleasant sensations and body surface vibration has been established. It is claimed that the psychological response of humans to low-frequency sounds (unpleasant, irritating sensations) arises not only from the corresponding auditory response to low-frequency sounds, but also from the vibrations they cause.

The literature indicates that infrasound, even if not audible, causes a physiological reaction similar to stress. There is a description of the so-called EMF syndrome, which occurs in people suffering from EMF and is accompanied by symptoms such as a feeling of internal pulsation, nervous tremors, anxiety, fear, tachycardia, nausea, etc. It should be emphasised that these symptoms are not exclusive to stress caused by ELF, but can also be caused by stress of any other origin and are not specific to the effects of infrasound or low-frequency sounds.

⁵ Wind turbine development and factors that may have a negative impact. Inga Šopaitė, Senior Specialist, Public Health Safety Division, Klaipėda Public Health Center, www.klaipedosvsc.lt, 2010-07-01

⁶ Wind Turbine Noise, Infrasound and Noise Perception. Anthony L. Rogers, Ph.D. Renewable Energy Research Laboratory University of Massachusetts at Amherst. January 18, 2006

⁷ Evaluation of the Scientific Literature on the Health Effects Associated with Wind Turbines and Low Frequency Sound

⁸ Public Health Effects of Siting and Operating Onshore Wind Turbines, 2013. Publication of the Superior Health Council No. 8738

Health problems can only occur when infrasound exceeds 120 dB in areas where people are present. However, wind turbines do not generate infrasound at such levels. It has been established that the natural background level of infrasound during strong winds (depending on the location) is approximately the same as the infrasound emitted by wind turbines⁽⁹⁾.

In 2019, Finnish scientists conducted nearly a year of infrasound measurements near an operating wind farm¹⁰. The aim of the study was to determine whether infrasound has an impact on the health of residents. The study also included a survey of residents to identify the most common symptoms and a provocative experiment with residents who had symptoms and those who did not (psychoacoustic and psychophysiological assessment). Long-term noise measurements showed that the average noise and infrasound levels in the vicinity of the wind farm were increased and comparable to the average noise levels in an urban environment. Symptoms perceived by residents and intuitively associated with the effects of infrasound are more prevalent among residents living less than 2.5 km from the VE park. Most of the symptoms (irritability, pain, poor sleep, etc.) were associated by residents with audible noise, vibrations, and electromagnetic radiation. Experiments showed that residents with symptoms could not distinguish between infrasound noise samples and noise samples containing infrasound, and noise samples containing infrasound did not bother them more than residents without symptoms. Measurements of physiological parameters showed that there is no link between the noise or infrasound emitted by the wind turbines and heart rate, skin properties, or other physiological parameters of the body. No evidence of a direct impact was found in either the group of residents experiencing symptoms or the group without symptoms.

Based on scientific research and data, it has not been established that low-frequency noise and infrasound emitted by wind turbines have an impact on human health or mental state.

2.11.4 Electromagnetic field

According to the final report on the methodological recommendations for assessing the impact of wind energy on public health⁽¹¹⁾ the electromagnetic field (EMF) generated by low-frequency electric currents is relevant in the case of wind farms. The electricity generated by the planned wind farms will be connected to a newly designed transformer substation via underground cables. The current flowing through the cables creates a weak magnetic field.

When the wind farm is in operation, the electromagnetic field is only formed in the vicinity of high-voltage electrical transformation and transmission equipment and in the vicinity of the electricity generator, which in the case under analysis would be at a height of 164–167 m.

Full-power generators with a capacity of 6.0–8.0 MW generate an electromagnetic field at the so-called industrial frequency (>0 –300 Hz). Since the VE generators are installed at a height of 161–166 m in grounded metal nacelles, the strength of the EML electric field, which varies according to the cubic distance, will have no impact on the living environment, as it will not exceed the permissible limit of 1 kV/m set by HN 104:2011 and will not reach the values regulated for residential and public buildings, which are 0.5 kV/m.

EMF studies were conducted at a wind farm in Ontario, Canada¹². EMF was measured at 15 Vestas 1.8 MW wind turbines. The study was conducted to characterize the EMF (magnetic component) in the vicinity of operating wind turbines and to determine whether the magnetic field created could have an impact on public health. Measurements were taken at distances ranging from 0 to 500 m from the wind turbines, taking into account three operating conditions: wind turbines operating at full capacity (high wind speed), wind turbines operating but not generating energy (low wind speed), and wind turbines shut down.

Measurements taken when the wind farm was not operating (when the wind turbines were shut down) were accepted as background EML data. The values determined were approximately 0.3 mG (milligauss, 1 mG = 0.1 μ T⁽¹³⁾) regardless of the distance to the wind farm. Higher values (average 0.9 mG, maximum – 1.1 mG) were determined at the base of the VE at both low and high wind speeds, but as expected according to the laws of physics, these levels decreased rapidly with increasing distance from the VE and decreased to background levels within 2 meters from the base of the VE. Difference between measured EML values

⁹ Bedard, A. J., T. M. George. 2000. Atmospheric Infrasound. *Physics Today* 53 (3): 32–37.

¹⁰ Panu Maijala et al. *Infrasound Does Not Explain Symptoms Related to Wind Turbines*, 2020

¹¹ SWECO. Preparation of methodological recommendations for assessing the impact of wind energy on public health. Final report. Ref. No. SMLPC 2013/06/13007.

¹² McCallum LC, Whitfield Aslund ML, Knopper LD, Ferguson GM, Ollson CA. Measuring electromagnetic fields (EMF) around wind turbines in Canada: is there a human health concern? *Environmental Health*. 2014;13:9. doi:10.1186/1476-069X-13-9.

¹³ According to <http://www.magneticsciences.com/EMF-health/>

The absence of EMF when the turbine is operating at low wind speeds (no energy production) and high wind speeds (energy production) is explained by the fact that the EMF level is not influenced by the amount of electricity produced, but by the amount of electricity consumed for operation and maintenance.

According to research conducted in Canada, EML magnetic field density values of up to 0.11 μT can be found near wind turbines, which decrease to 0.03 μT at a distance of 2 m from the wind turbine. According to HN 104:2011, the permissible EMF magnetic flux density in residential areas is 40 μT , and 20 μT indoors.

2.12. Formation of biological pollution and its prevention

The PUV will not affect the formation of biological pollution (pathogenic microorganisms, parasitic organisms).

2.13. Risk of vulnerability of the planned economic activity to extreme events and/or extreme situations, including those that may be caused by climate change; probability of extreme events and extreme situations and their prevention

Extreme events that may occur during the operation of a wind farm and may affect the environment and local residents include accidents involving mechanical damage to the wind turbine structures, which may cause the collapse of wind turbine towers or the fall of blades, collapse of the upper part of the tower together with the blades and rotor, and similar mechanical accidents that may disrupt the normal working and living conditions of nearby residents.

The mechanical collapse of a wind turbine tower could be caused by natural and anthropogenic factors. Natural factors include meteorological phenomena such as hurricanes, tornadoes, heavy rains, and icing.

The normative documents in force in the Republic of Lithuania require that maximum values be used in projects to protect against possible deformation of building structures that could cause accidents and collapses. In order to ensure the safe operation of wind farms, models are selected taking into account the climatic conditions of the area.

The planned economic activity itself has no impact on the likelihood of extreme events. The likelihood of fires in wind farms is negligible.

A fire may occur in the transformer station, where transformer oil is used. Transformer oil is not classified as a flammable liquid, but fires in transformer stations are possible, therefore the technical design will specify the necessary amount of primary fire extinguishing equipment. The amount of water required to extinguish transformers is 7 l/s. For this purpose, 2x85 m³ water reservoirs with a total capacity of 170 m³ will be installed next to the transformer station and an artesian well will be drilled to replenish the reservoirs.

In accordance with STR1.01.03.:2017 "Classification of Structures" and the explanation of the State Territorial Planning and Construction Inspectorate, the structure in the wind farm is a wind turbine tower.

The technological equipment is installed in a gondola, which is manufactured at the factory and delivered to the installation site as a single module, therefore, according to the normative acts of the Republic of Lithuania, it is a product.

No oil-filled transformers or other units are used in the VE tower; the power cables used are manufactured with non-flammable insulation with a flammability class of at least Dca s2,d2,a2.

Primary fire extinguishing is provided by ABC class gas and powder extinguishers. The number of extinguishers must comply with Appendix No. 5 of the General Fire Safety Regulations:

No.	Location of extinguishers	Calculation unit	Minimum amount of extinguishing agent in extinguishers (powder or carbon dioxide – in kilograms, water or foam-water mixture – in liters)		
			2 kg (l)	4 kg (l)	6 kg (l)
1	Special-purpose buildings	300 m ²	4	3	2

Typical arrangement of fire extinguishers in wind turbine towers:

- 1 unit of 4 kg – 1 extinguisher is placed in the wind turbine tower near the 30 kV switchboard;
- 1 unit, 4 kg – 2nd fire extinguisher stored in the VE gondola near the elevator;

- 1 unit of 4 kg – 3rd fire extinguisher to be placed in the VE gondola control room.

The technical design will provide that, in extreme situations, a permanently installed monitoring and information system in energy facilities will promptly mobilize the emergency services and fire brigades.

In the event of a fire, fire engines will be able to access the site via existing roads.

2.14. Risks to human health from the planned economic activity

During the operation of the planned economic activity, the risk to human health is related to physical pollution: increased noise levels and shadowing during the operation of the VE.

According to the results of the noise dispersion assessment, the noise levels caused by the VE in the residential environment will not exceed the limits set by public health safety legislation for residential and public environments.

According to the shadow analysis, the duration of shadowing from the planned wind farm, after applying mitigation measures, will not exceed the maximum permissible value of 30 hours per year in the vicinity of the nearest residential buildings (according to German standards).

During construction, noise and air pollution from operating construction machinery is possible, but this impact will be local and short-term.

In accordance with Article 49(9) of the Law on Renewable Energy Sources of the Republic of Lithuania of May 12, 2011 (consolidated version effective as of July 8, 2022), which stipulates that *"Wind power plants with an installed capacity of more than 30 kW shall be installed in such a way that the shortest distance from the central axis of the wind power plant to garden houses, residential buildings, hotels, cultural buildings, general education, vocational and higher education institutions, kindergartens, nurseries, scientific buildings intended for educational purposes, other scientific buildings intended for non-formal education, recreation, treatment, sports and religious buildings, special-purpose buildings related to accommodation (barracks, places of detention), premises for the specified purpose in buildings for other purposes, recreational areas shall be no less than the height of the wind turbine tower in meters multiplied by 4, except in the cases provided for in paragraph 11 of this article."*

The highest tower height of the PŪV VE model (VESTAS V172–7.2) analyzed is 166 m. The calculated distance of 4 x tower height from the central axis of the wind turbine to the nearest residential buildings is 664 m. This distance includes residential areas G1–G4 and G6–G7.

Article 49(11) of the Law on Renewable Energy Sources of the Republic of Lithuania stipulates that if the owners of buildings do not object and confirm this in writing, wind power plants with an installed capacity of more than 30 kW may be built at a shorter distance than that specified in paragraph 9 of this article, from the buildings, premises, or territories specified in paragraph 9 of this article, but not closer than the distance specified in paragraph 14, by concluding an agreement with the person interested in the operation of the wind power plant for the production of electricity, an agreement on compliance with public health safety requirements.

2.15. Interaction of the planned economic activity with other economic activities carried out and/or the development of economic activities approved in accordance with the requirements of legal acts in adjacent land plots and/or territories. Inconveniences caused by the activity

The planned economic activity is intended for agricultural land plots. For the development of the PŪV, the land plots will be divided, and the land use designation will be changed for the construction of the VE on the separated part of the land plot. No restrictions on activities are planned for the remaining part of the land plot.

No inconveniences or obstacles to the development of other activities (e.g., due to possible traffic disruptions or disruptions in the provision of public services, etc.) are expected during the construction phase.

Several renewable energy projects are planned in the analyzed area. The organizer of the planned economic activity plans to install a solar power plant (hereinafter referred to as SP) with a capacity of up to 400 MW (Fig. 2.15.1), for which approximately 768 ha of land in the Skuodas district, Lenkimų sen. The Environmental Protection Agency issued a positive EIA selection conclusion in its letter No. (30.2)-A4E-5458 dated 10 May 2022 – an environmental impact assessment is not required.

During the technical design of the solar power plant, the appropriate layout of the solar module sections and wind turbines on the same land plots will be selected to ensure appropriate solar radiation angles throughout the year and to generate maximum amounts of solar energy.

An assessment of the cumulative impact of the planned solar power plants and wind farms is not relevant, as solar power plants do not cause physical effects typical of wind power plants, such as noise or shadowing, which could have a cumulative impact on public health or other environmental components.

There are operating wind farms in the neighboring areas:

- approximately 3.0 km north of the PŪV site, UAB RITVIDA operates the Bonus 95 kW wind farm of used Danish wind turbines
- approximately 4.1 km southwest of the PŪV site, there are two wind farms owned by UAB Renerga: the Benaičiai wind farm has six Vestas V100 2.75-3MW wind turbines with a capacity of 16 MW, and the Benaičiai-1 wind farm has seventeen Enercon-E82 2 MW wind turbines with a capacity of 34 MW.

A wind farm consisting of three wind turbines is planned 6.7 km south of the planned wind farm, for which the Environmental Protection Agency issued a selection decision on the EIA on 14 May 2020 in letter No. (30.2)-A4E-3983: UAB Gera galia, UAB Žydras dangus, UAB Pajūrio energetika PŪV – for the installation of three wind farms in Kretinga district, Darbėnai municipality, Grūšlaukės

k., Kretinga district municipality, is not subject to mandatory environmental impact assessment.

A solar energy park is planned next to the existing Renerga VE park, for which the Environmental Protection Agency issued a selection decision on the EIA on 4 August 2021, No. (30.2)-A4E-9052: UAB Renerga's planned economic activity – the installation of a solar power plant with an installed capacity of up to 62 MW on an area of approximately 86 ha in Kretinga district, Darbėnai municipality, Žynelių village, Sūdėnų village, Pelėkių village, Benaičių village, is not subject to an environmental impact assessment.

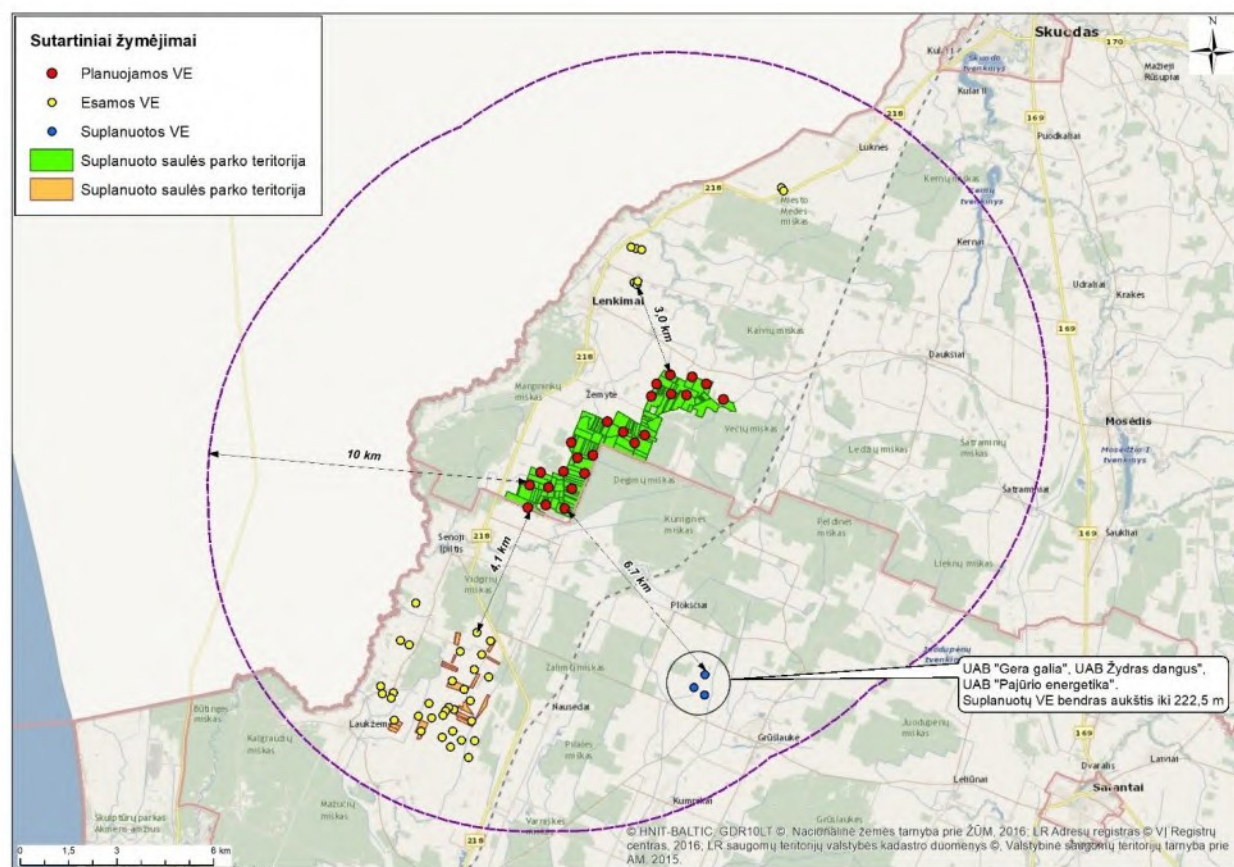


Fig. 3.2.3. The territory of the planned activity in relation to neighboring wind farms.

Given the specific nature of the activities of the wind farms operating in the surrounding area and the planned wind farms, the main aspects of the cumulative impact are as follows:

- cumulative impact of noise and shadow: according to similar assessments, noise subsides to the limit values set for the residential environment at a distance of 300–400 m from the wind farm, depending on the technical characteristics of the installed wind turbine model, noise levels, and environmental conditions. Given the distance of 3.0–4.1 km between the wind farms operating in the surrounding area and the planned wind farms, the cumulative impact of noise and shadow is unlikely, therefore it is not necessary to assess this impact.
- Landscape. The wind farms are tall structures with a total height (tower + blades) of up to 252 m at the highest point of the blades, which will be visible from a long distance. However, the distance between the planned wind turbines and the landscape viewpoints is more than 19 km. This distance from existing or planned wind farms is sufficient to ensure that the overall visual impact on the landscape is not significant.
- Wildlife: impact on birds and bats. According to the European Commission's recommendations for wind energy development published in 2020 (18 November 2020), it is recommended to assess the cumulative impact of similar activities on wildlife and other environmental components. The impact on birds and bats when several wind farms are installed in close proximity may have a negative impact even if such an impact was not anticipated in the individual wind farms. The installation of several wind farms next to each other may have a cumulative impact due to the loss of larger feeding areas, the obstacle avoidance effect, longer flight and migration distances, and the loss or avoidance of temporary resting places. For bird species sensitive to the impact of wind farms nesting in the vicinity (up to 2 km from the wind farm), non-conflict areas are reduced and the risk of animal mortality due to wind farm operations increases. In the case under analysis, the distance to the operating UAB Renega wind farm is 4.1 km, and the Vidgiriai forest is located between the existing and planned wind farms, therefore the cumulative impact is less likely. The wind farm located 3 km north of the PUV territory consists of low-power wind turbines with a rotor diameter of approximately 18 m. A significant cumulative impact is unlikely.
- Other environmental components: the potential impact on environmental components such as soil and subsoil, surface and groundwater, and cultural heritage is local, at the site of the wind turbine foundations, so the cumulative impact on the surrounding environment is unlikely if several wind farms are built.

2.16. Planned dates and sequence of economic activities

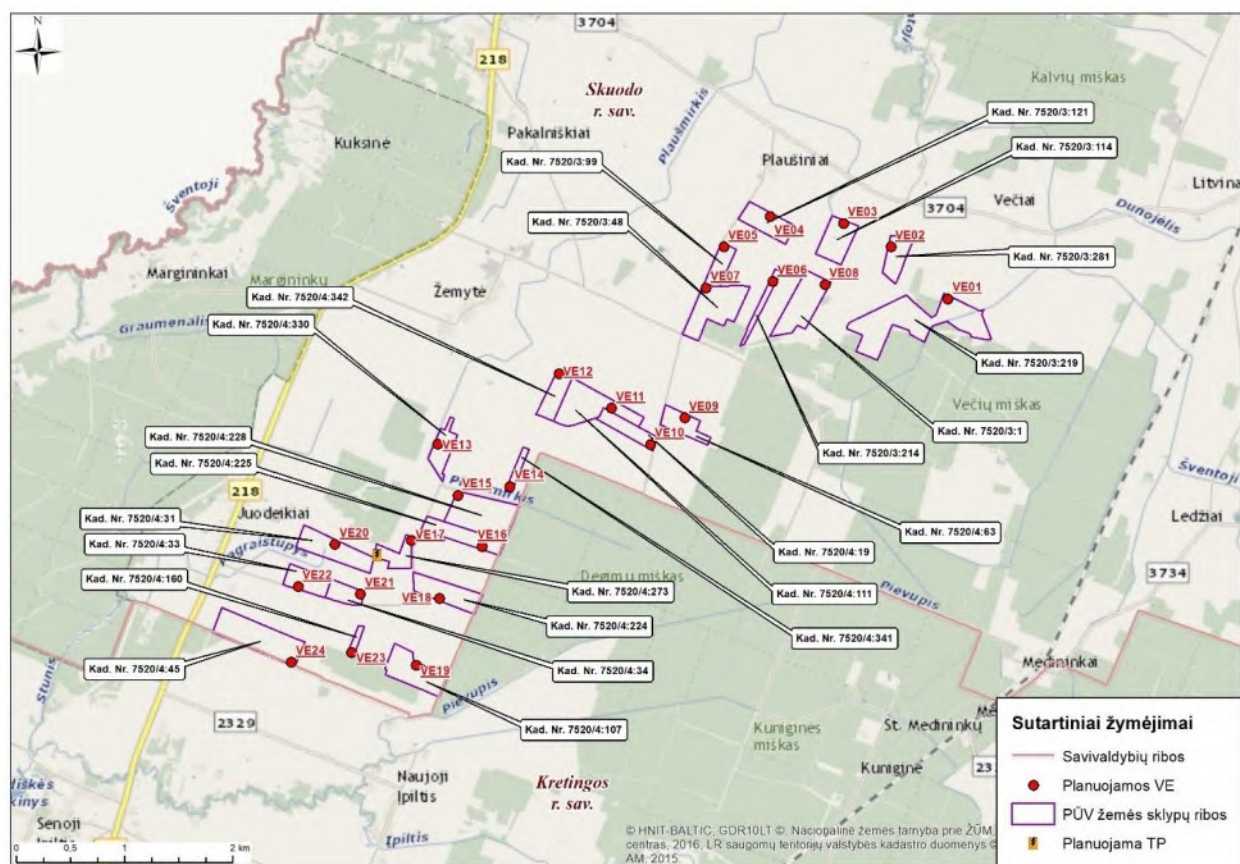
Stages and preliminary deadlines for the implementation of the PUV:

- design work is expected to be completed in 2023;
- Construction phase – 2024–2025. Start of operation: by 2025.

3. LOCATION OF PLANNED ECONOMIC ACTIVITY

3.1. Planned location of economic activity

The development potential of the planned economic activity is analyzed on land plots with cadastral numbers 7520/0003:219, 7520/0003:281, 7520/0003:114, 7520/0003:121, 7520/0003:99, 7520/0003:214, 7520/0003:48, 7520/0003:1, 7520/0004:63, 7520/0004:111, 7520/0004:342, 7520/0004:330, 7520/0004:341, 7520/0004:228, 7520/0004:225, 7520/0004:273, 7520/0004:224, 7520/0004:107, 7520/0004:31, 7520/0004:34, 7520/0004:33, 7520/0004:160, 7520/0004:45 located in the villages of Plaušinių, Palegijos, Žemytės, Juodeikiai, Lenkimų sen., Skuodo r. sav. The boundaries of the planned land plots and the layout of the VE within them are shown in Figure 3.1.1.



3.1.1 Fig. Situational diagram of the PUV site.

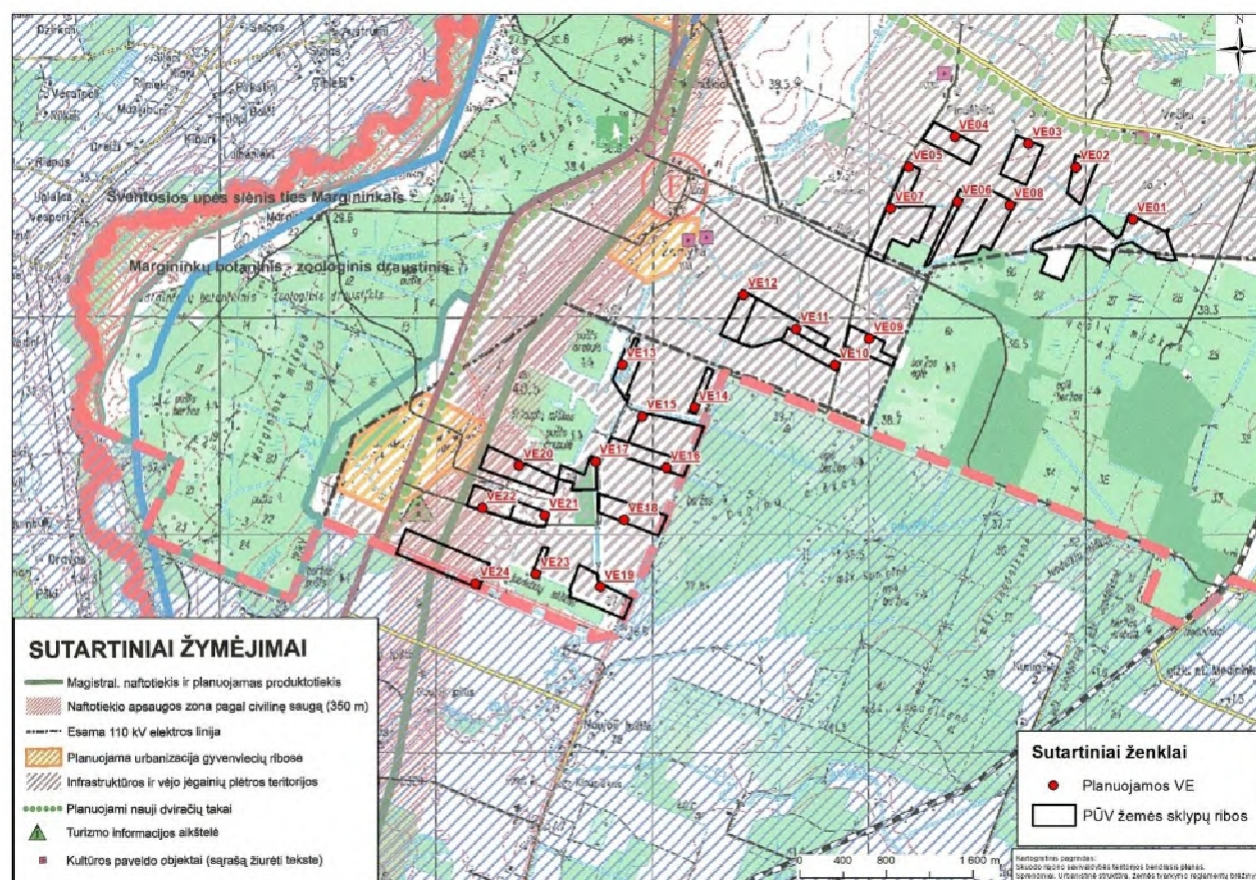
The electrical transformer substation is planned to be built on a land plot located in the village of Juodeikiai, Lenkimų sen., Skuodo r. sav., cadastral No. 7520/0004:273.

The land plots where the VE and electrical substation are planned to be built are owned by natural and/or legal persons with whom the organizer of the planned economic activity intends to conclude long-term land lease agreements.

Excerpts from the central database of the Real Estate Register (with anonymized data) are provided in Appendix 2.

3.2. Functional zoning of the planned economic activity areas, adjacent land plots or territories and regulations for the use of the territory in accordance with the approved territorial planning documents, special land use conditions

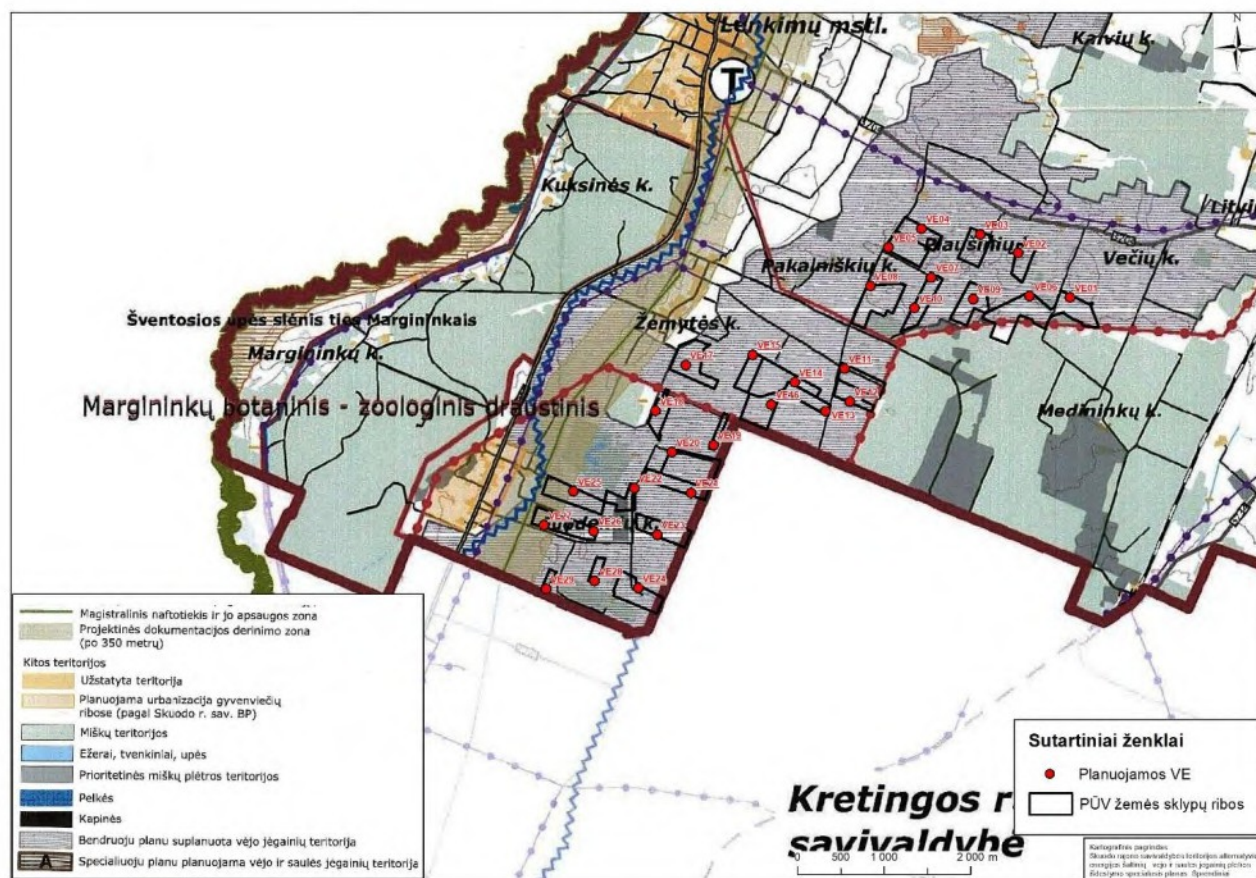
The PŪV is planned on land plots designated for agricultural use. According to the decisions of the Skuodas District General Plan (approved by the Skuodas District Municipal Council on November 26, 2009, Decision No. T9-217), the VE installation sites fall within the infrastructure and wind farm development zone. The location of the VE in relation to the urban structure and land management regulations specified in the general plan of the Skuodas District Municipality is presented in Fig. 3.2.1.



3.2.1 Fig. Functional zones of the analyzed territory.

A plan has been prepared for the Skuodas district and approved by Decision No. by Skuodas District Municipality Council Decision No. A1-363. This plan provides for the possibility of planning activities and preparing spatial planning documents or technical projects in designated areas in accordance with the applicable legislation, on the basis of which solar and wind power generation facilities would be built.

According to the Skuodas District Municipality's special plan for the development of alternative energy sources – Special Plan for the Development of Wind and Solar Power Plants and the solutions presented therein, it can be seen that the planned RES sites fall within the wind power plant areas planned in the Skuodas District General Plan (Fig. 3.2.2).



3.2.2 Fig. AEI development areas in the analyzed territory (source: excerpt from the special plan for the development of alternative energy sources – wind and solar power plants in the Skuodas district municipality).

Information on the special land use conditions registered for the analyzed land plots is provided in Table 3.2.1, Appendix 2. Summary information on the special land use conditions for adjacent and interspersed land plots is provided in Figure 3.2.3.

Table 3.2.1. Information on special land use conditions registered for the land plots planned for the installation of the VE

PŪV	Land plot cadastral No.	Address	Land plot area, ha	Special conditions for land use, their area (provided if specified in the RC in the extract)
VE01	7520/0003:219	Skuodo r. sav., Lenkimų sen., Plaušinių k.	33.70	Land improvement and land improvement structures protection zones (Chapter VI, Section II), 33.70 ha
				Surface water bodies (Chapter VI, Section 6), 0.25 ha
				Shore protection strips of surface water bodies (Chapter VI, Section 8), 0.72 ha
				Surface water body protection zones (Chapter VI, Section 7), 0.72 ha
VE02	7520/0003:281	Skuodo district municipality, Lenkimų parish, Plaušinių village	7	Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section 2), 7.2116 ha
VE03	7520/0003	Skuodas district municipality, Lenkimai parish, Plaušinių village	9.93	Shore protection strips for surface water bodies (Chapter VI, Section 8), 0.08 ha
				Surface water protection zones (Chapter VI, Section 7), 0.08 ha
				Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section 2), 9.81 ha

PŪV	Land plot cad. No.	Address	Land plot area, ha	Special land use conditions, their area (provided if specified in the RC extract)
VE04	7520/0003:121	Skuodo r. sav. Lenkimų sen., Plaušinių k.	9.4	Land improvement and land improvement structures protection zones (Chapter VI, Section II), 9.40 ha
VE05	7520/0003:99	Skuodas district municipality, Lenkimai parish, Plaušinių village	5.7000	Shore protection strips for surface water bodies (Chapter VI, Section 8), 0.13 ha
				Protection zones for surface water bodies (Chapter VI, Section 7), 0.13 ha
				Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II), 5.44 ha
VE06	7520/0003:214	Skuodo r. sav. Lenkimų sen., Plaušinių k.	3.6280	Reclaimed land and reclamation structures protection zones (Chapter VI, Section II), 36,280.00 sq. m
VE07	7520/0003:48	Skuodas district, Lenkimai parish, Plaušinių village	16.7200	Electricity network protection zones (Chapter III, Section IV), 7,493.00 sq. m
				Surface water body shore protection strips (Chapter VI, Section 8), 0.1 ha
				Surface water body protection zones (Chapter VI, Section VII), 0.10 ha
				Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section 2), 16.72 ha
VE08	7520/0003:1	Skuodas District Municipality, Lenkimai Parish, Plaušinių Village	15.1223	Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II), 15.1223 ha
				Road protection zones (Chapter III, Section II), 0.355 ha
VE09	7520/0004:63	Skuodas district municipality, Lenkimai parish, Žemytės village	7	Protected areas of reclaimed land and land reclamation structures (Chapter VI, Section II), 7.4768 ha
				Road protection zones (Chapter III, Section II), 0.3413 ha
VE10	7520/0004:19	Skuodas District Municipality, Lenkimai Parish, Palegija Village	7	Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II), 7.31 ha
				Shore protection strips for surface water bodies (Chapter VI, Section 8), 0.01 ha
				Protection zones for surface water bodies (Chapter VI, Section 7), 0.01 ha
VE11	7520/0004:111	Skuodo district municipality, Lenkimų sen., Palegijos village	17.35	Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II), 17.09
				Shore protection strips for surface water bodies (Chapter VI, Section 8), 0.15 ha
				Protection zones for surface water bodies (Chapter VI, Section 7), 0.15 ha
				Surface water bodies (Chapter VI, Section 6), 0.04 ha
VE12	7520/0004:342	Skuodo district Lenkimai Sen., Žemytės village	7.3031	Land improvement and land improvement structures protection zones (Chapter VI, Section II), 7.3031 ha
VE13	7520/0004:330	Skuodo district municipality, Lenkimų parish, Žemytės village	6.8277	Surface water body protection zones (Chapter VI, Section 7), 4.5452 ha
				Surface water body shore protection strips (Chapter VI, Section 8), 4.5452 ha

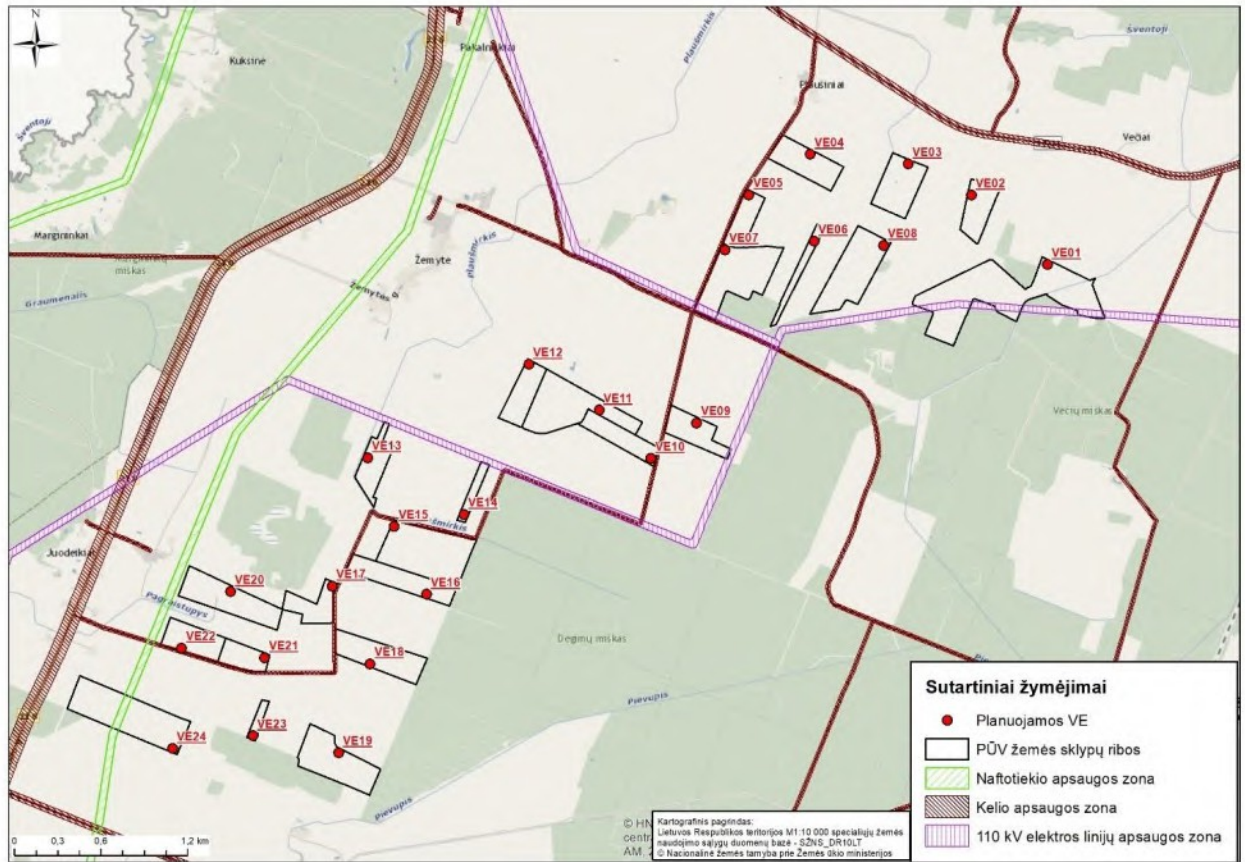
PŪV	Land plot cadastral No.	Address	Land plot area, ha	Special land use conditions, their area (provided if specified in the RC extract)
				Land improvement and land improvement structures Protection zones (Chapter VI, Section II), 6.8277 ha
				Electricity network protection zones (Section III, fourth paragraph), 0.0214 ha
VE14	7520/0004:341	Skuodo district municipality, Lenkimų sen., Žemytės village	2.6936	Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II), 2.6936 ha
				Electricity network protection zones (Chapter III, Section IV), 145.00 sq. m
VE15	7520/0004:228	Skuodas District Municipality, Lenkimai Parish, Juodeikiai Village	19.30	Protection zones for reclaimed land and land reclamation structures protection zones (Chapter VI, Section II), 19.30 ha
				Road protection zones (Chapter III, Section II), 0.59 ha
				Surface water body protection zones (Chapter VI, Section VII), 0.07 ha
				Shore protection strips for surface water bodies (Chapter VI, Section 8), 0.07 ha
VE16	7520/0004:225	Skuodo r. sav., Lenkimų sen., Juodeikių k.	10	Protection zones for reclaimed land and land reclamation structures protection zones (Chapter VI, Section II), 10.00 ha
				Road protection zones (Chapter III, Section II), 0.13 ha
				Surface water body protection zones (Chapter VI, Section VII), 0.02 ha
				Shore protection strips for surface water bodies (Chapter VI, Section 8), 0.02 ha
VE17 TP	7520/0004:273	Skuodo district municipality, Lenkimų parish, Juodeikių village	6.21	Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section 2), 6.21 ha
				Surface water bodies (Chapter VI, Section 6), 0.21 ha
				Surface water body protection zones (Chapter VI, Section 7), 0.11 ha
				Shore protection strips of surface water bodies (Chapter VI, Section 8), 0.11 ha
VE18	7520/0004:224	Skuodo r. sav., Lenkimų sen., Juodeikių k.	11.40	Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section 2), 11.40
				Road protection zones (Chapter III, Section II), 0.17 ha
				Surface water body protection zones (Chapter VI, Section VII), 0.02 ha
				Shore protection strips for surface water bodies (Chapter VI, Section 8), 0.02 ha
VE19	7520/0004:107	Skuodas District Municipality, Lenkimai Parish, Juodeikiai Village	13.26	Shore protection strips for surface water bodies (Chapter VI, Section 8), 0.10 ha
				Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II), 13.26 ha
VE2	7520/0004:31	Skuodas District Municipality, Lenkimai Parish, Juodeikiai Village	13.17	Surface water body protection zones (Chapter VI, Section 7), 0.032 ha
				Shore protection strips for surface water bodies (Chapter VI, Section 8), 0.032 ha
				Surface water bodies (Chapter VI, Section 6), 0.0641 ha

PŪV	Land plot cadastral No.	Address	Land plot area, ha	Special land use conditions, their area (provided if specified in the RC extract)
				Land improvement and land improvement structures protection zones (Chapter VI, Section II), 13.1773 ha
VE21	7520/0004:34	Skuodo district municipality, Lenkimų parish, Juodeikiai village	5.66	Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II), 5.66 ha
VE2	7520/0004:33	Skuodas District Municipality, Lenkimai Parish, Juodeikiai Village	8.17	Protected areas of reclaimed land and land improvement structures (Chapter VI, Section II), 8.17 ha
VE	7520	Skuodas District Municipality, Lenkimai Parish, Juodeikiai Village	1.58	Surface water body protection zones (Chapter VI, Section 7), 0.01 ha
				Shore protection strips for surface water bodies (Chapter VI, Section 8), 0.01 ha
				Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section 2), 1.57 ha
VE24	7520/0004:45	Skuodo district municipality, Lenkimų parish, Juodeikių village	20.24	Protection zones for surface water bodies (Chapter VI, Section 7), 0.04 ha
				Shore protection strips for surface water bodies (Chapter VI, Section 8), 0.04 ha
				Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section 2), 19.86 ha
				Protection zones for main gas and oil pipelines (product pipelines) (Chapter III, Section V), 1.20 ha
				Protection zones for electricity networks (Chapter III, Section IV), 0.01 ha
				Protection zones for electronic communications infrastructure protection zones (Chapter III, Section 11), 0.16 ha

The main purpose of all the land plots analyzed is agriculture.

Information on the special conditions for land and forest use registered for the analyzed land plots is provided in Appendix 3. Summary information on the special conditions for land use registered for the analyzed, adjacent, and interspersed land plots is provided in Figure 3.2.3.

On land plot No. 7520/0004:45 (VE24), there is a registered protection zone for main gas and oil pipelines (product pipelines), and land plots No. 7520/0004:31 (VE20) and 7520/0004:33 (VE22) are close to the boundaries of the protection zone for the main oil pipeline. The protection zone is a strip of land along the pipeline route, 25 meters wide on both sides of the pipeline axis, the airspace above this strip, the land below this strip, and the water above and below this strip. It should be noted that, in accordance with point 6.6.4.8 of the Skuodas District Municipality General Plan, when preparing to construct any buildings, facilities, or other objects within 350 meters of the main oil pipeline route, the design proposals and project documentation must be coordinated with the organization operating the main oil pipeline and other institutions in accordance with the procedure established by law. In the case under analysis, the location of VE 22 will have to be coordinated with the organization operating the main oil pipeline; if necessary, the location of the VE may be adjusted by moving it further away from the oil pipeline.



3.2.3 Fig. Layout of the planned VE, adjacent and intervening land plots.

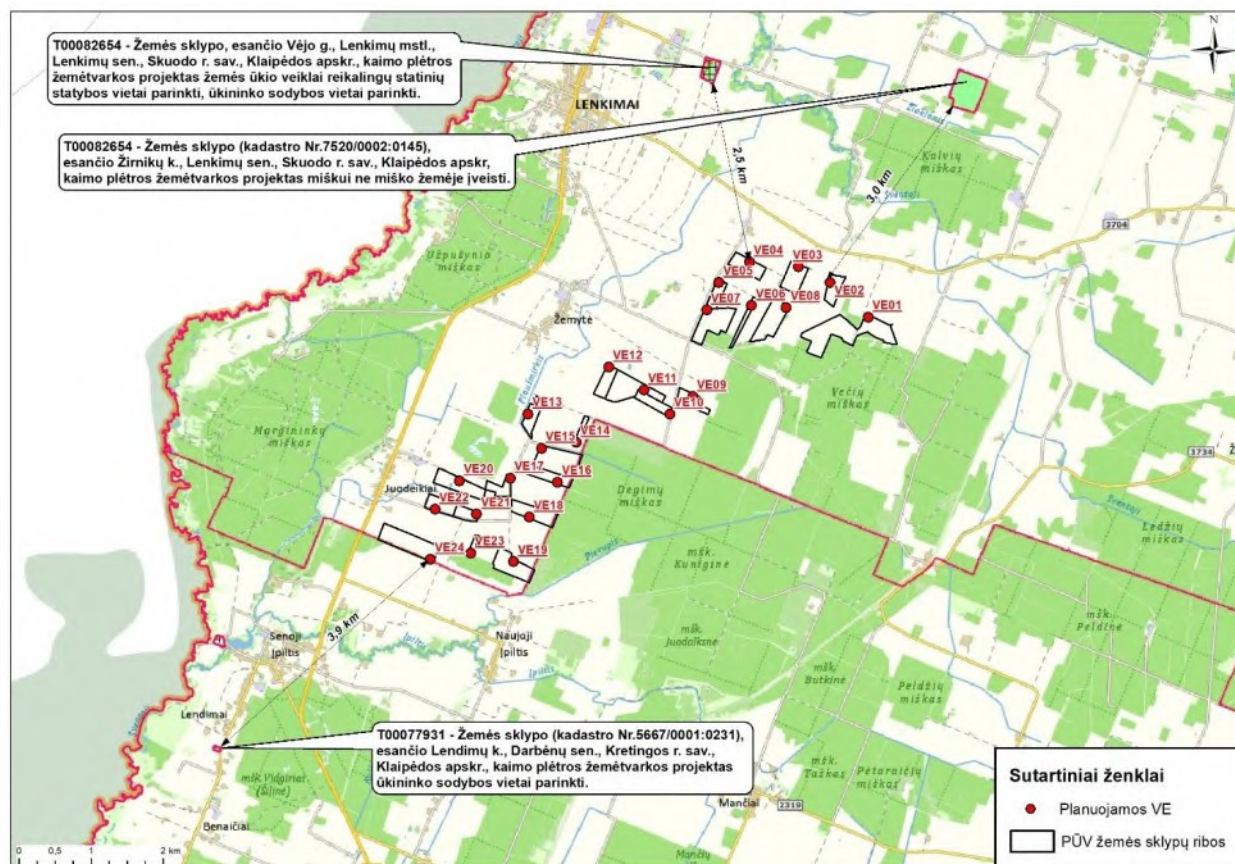
Land plots with cadastral numbers 7520/0003:219, 7520/0003:114, 7520/0003:48, 7520/0003:99, 7520/0003:48, 7520/0004:19, 7520/0004:111, 7520/0004:330, 7520/0004:228, 7520/0004:225, 7520/0004:273, 7520/0004:224, 7520/0004:107, 7520/0004:31, 7520/0004:160, 7520/0004:45 are registered as surface water body protection zones and shore protection strips. In accordance with the requirements of Article 100(4) of the Law on Special Land Use Conditions, the installation of engineering infrastructure (wind farms) in coastal protection strips of surface water bodies is prohibited, therefore, the VE site and TP site have been selected outside the boundaries of this strip (Fig. 3.7.1).

Special conditions for the protection of electrical networks are registered in plots No. 7520/0003:48, 7520/0004:330, 7520/0004:341, 7520/0004:45. In electricity network protection zones, in accordance with the Construction Law, the Spatial Planning Law or the procedure established by the Minister of Energy of the Republic of Lithuania, without the consent (approval) of the owner or operator of the electricity network for the project or planned activity, it is prohibited to construct buildings and/or install equipment, except for buildings and equipment whose construction is prohibited under paragraph 1 of this article. A distance of 266 m shall be maintained between the planned VE and the power lines.

On plots No. 7520/0003:1, 7520/0004:63, 7520/0004:228, 7520/0004:225, 7520/0004:224, a special condition for road protection zones is registered. The following is prohibited in road protection zones: constructing buildings that are not related to the servicing of vehicles and traffic participants; installing outdoor advertising; using advertising that imitates road signs and/or uses road sign symbols. The installation of the VE is planned outside the road protection zones.

In accordance with the requirements of the Law on Special Land Use Conditions (No. XIII-2166 of 6 June 2019), arable land on agricultural land plots with soil productivity higher than the national average, as well as land with operational drainage systems, must be used in such a way that its area is not reduced, except for ecologically degraded areas of the natural framework, and the soil properties are not deteriorated. When carrying out earthworks, it is prohibited to destroy the fertile soil layer.

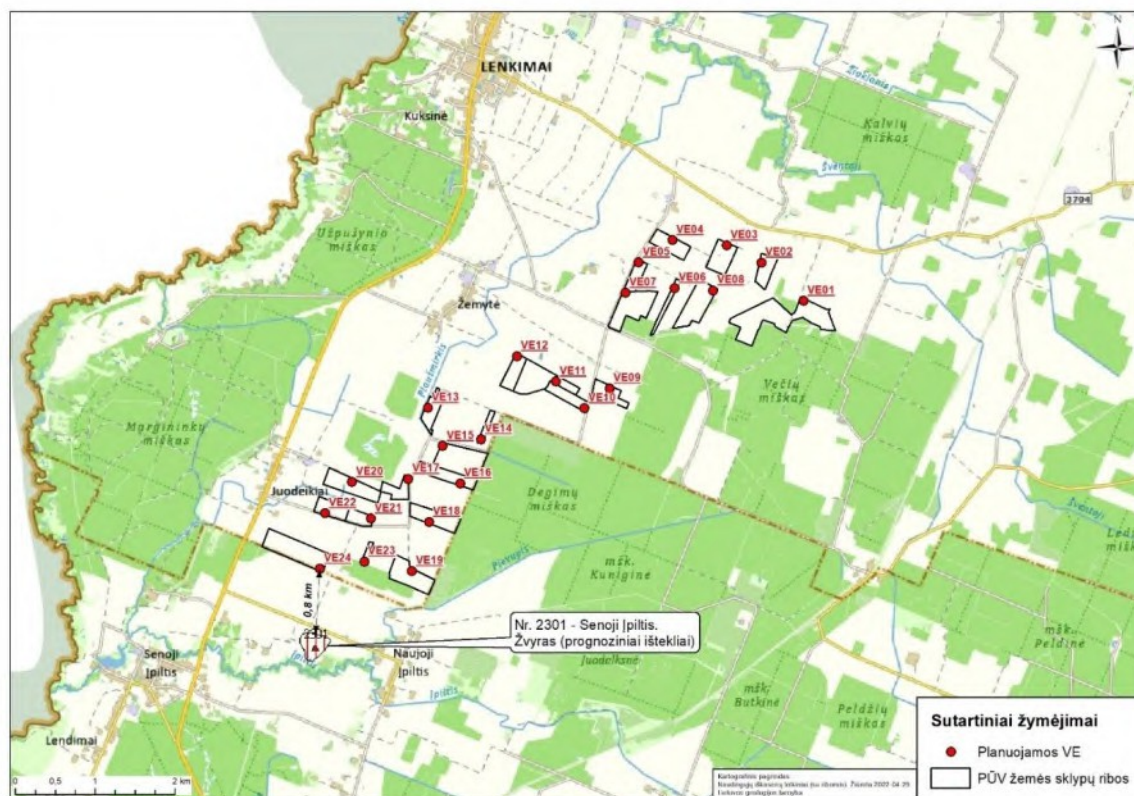
According to the database of registered spatial planning documents prepared by the State Territorial Planning and Construction Inspectorate under the Ministry of the Environment, no new planning documents are being prepared in the analyzed area and on adjacent land plots. The nearest areas for which spatial planning documents are being prepared are located at a distance of 2.5–3.9 km (Fig. 3.2.4).



3.2.4 Fig. Planning documents registered in adjacent areas.

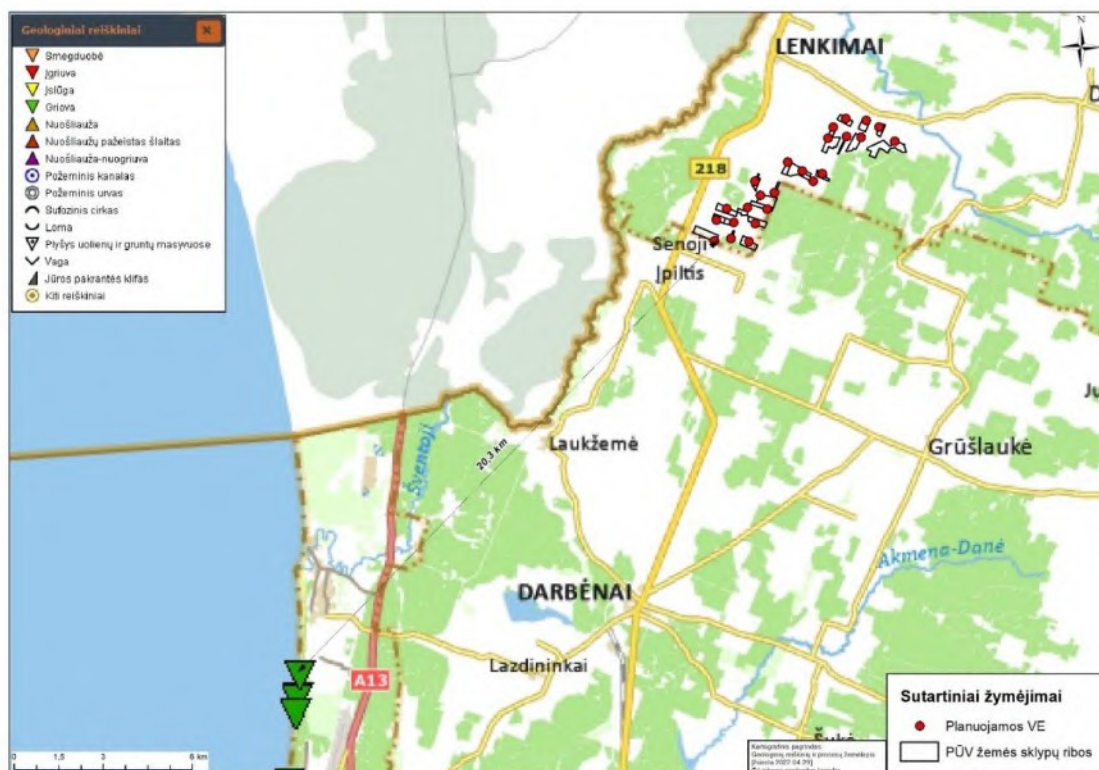
3.3. Information on mineral resources, soil, geological processes and phenomena, and geotopes in the planned economic activity area and adjacent land plots or areas

According to the data of the Subsurface Resources Register (ŽGR), there are no deposits of useful minerals in the planned economic activity area. The nearest deposit of useful resources is located approximately 0.8 km south of the VE24 site under analysis, at the Senosios Iptiltys gravel deposit No. 2301 (provisional resources) (Fig. 3.3.1).



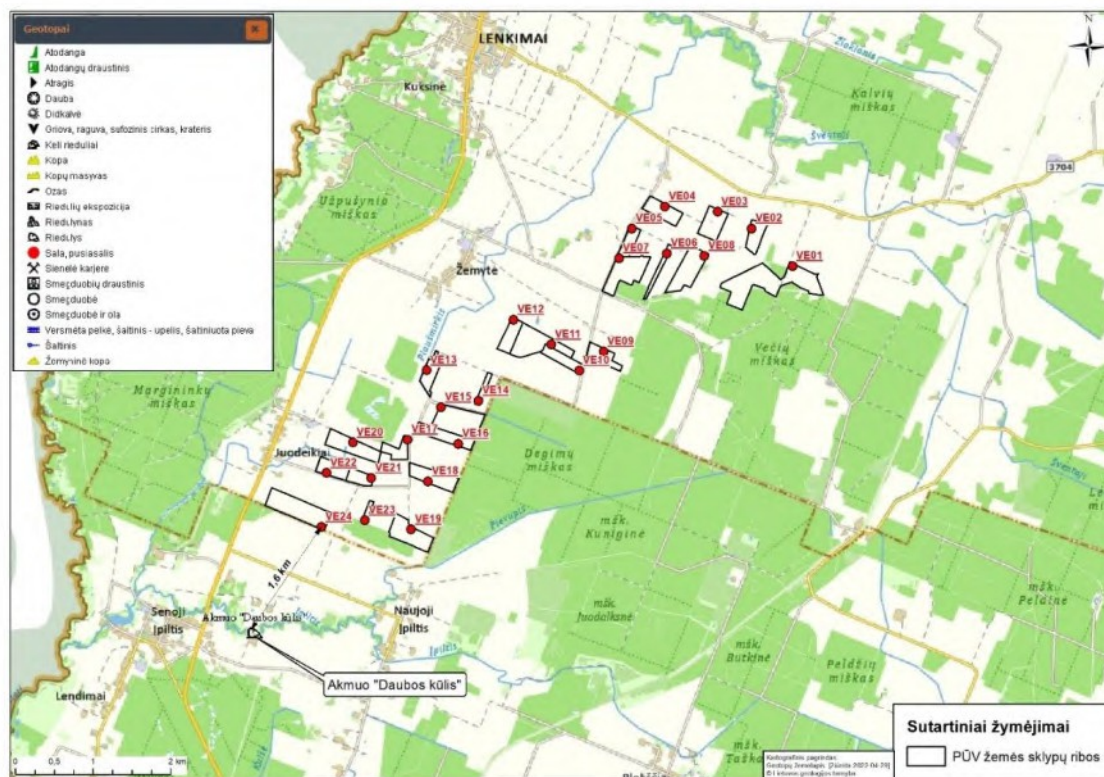
3.3.1 Fig. Information about the nearest deposits of useful resources and the distance to them.

No active geological processes or phenomena (e.g., erosion, suffosion, karst, landslides) have been observed in the analyzed area. According to information provided by the Lithuanian Geological Survey, the nearest area where a geological phenomenon (a ravine) has been recorded is located on the coast, 20.3 km from the analyzed area (Fig. 3.3.2).



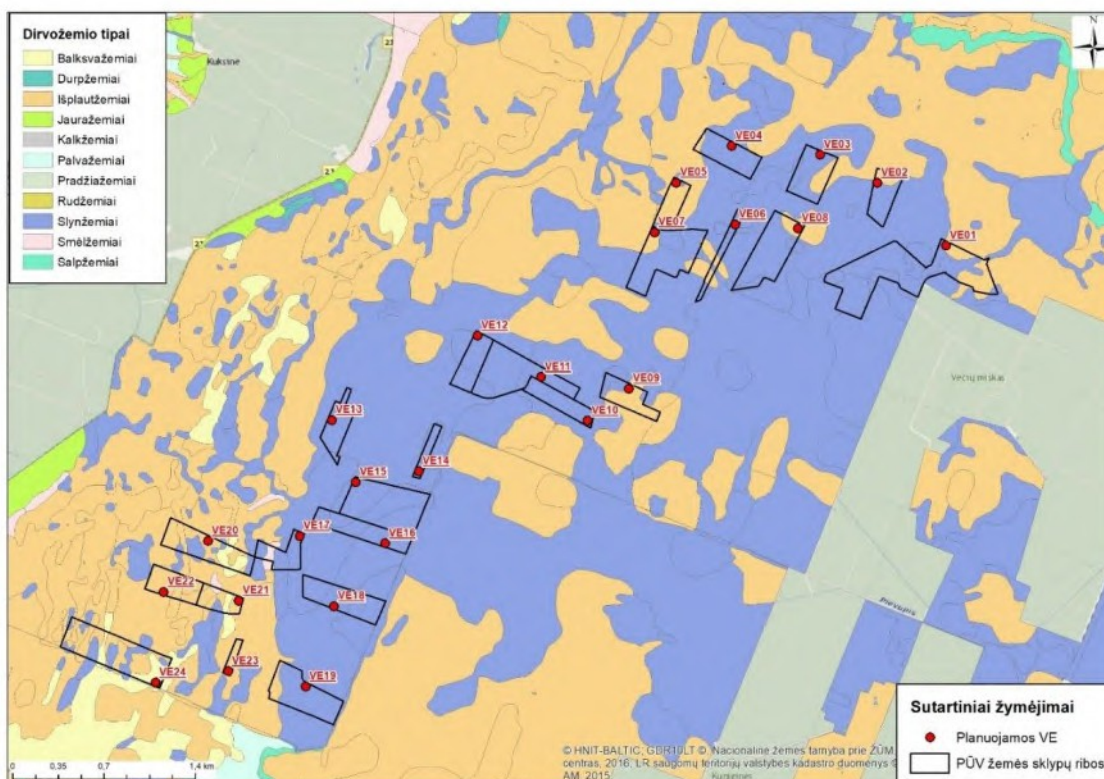
3.3.2 Fig. Information on the nearest locations of geological processes and phenomena and the distance to them.

There are no registered geotopes in the analyzed areas. The distance to the nearest geotope – a stone called Daubos kūlis – is 1.6 km. (Fig. 3.3.3).



3.3.3 Fig. Information about the nearest geotopes and the distance to them.

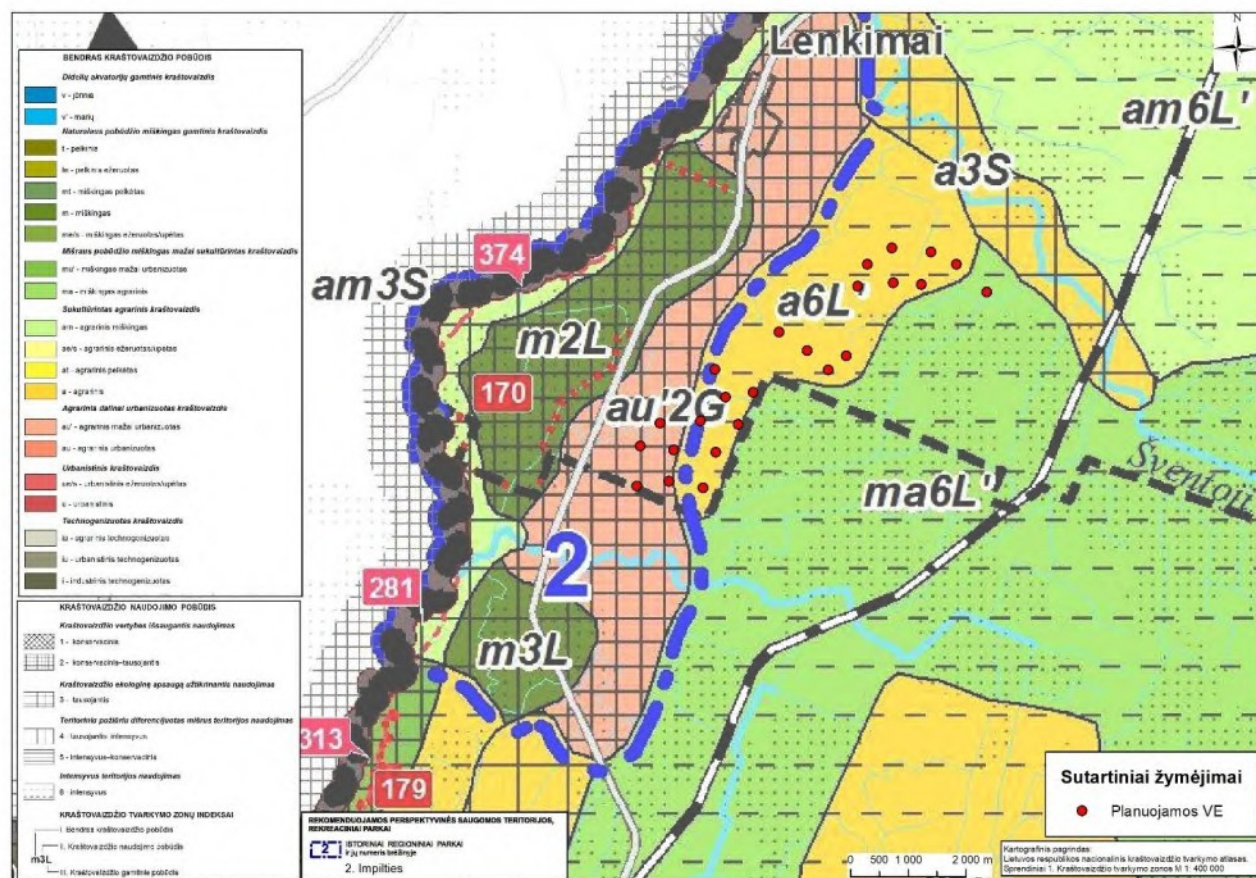
The territory is dominated by loamy and washed soils with interspersed areas of sandy loam and sandy soils (Fig. 3.3.4).



3.3.4 Fig. Information about the soil types prevailing in the territory.

3.4. Information about the landscape, its characteristics, natural framework, and relief of the planned economic activity area and adjacent land plots or areas

According to the National Landscape Management Plan of the Republic of Lithuania, the territory of the analyzed area is located in the morphological section of the Curonian-Samogitian Uplands, the Western Samogitian Lowlands, and the northern forested, sparsely urbanized agricultural plains of Western Samogitia. The planned area is dominated by an intensively used agricultural landscape of loamy plains (a6L'). The plots located on the western side of the PŪV territory are part of an agricultural, sparsely urbanized landscape of conservation and sustainable use, with the following natural characteristics (according to the type of natural complex): moraine and fluvioglacial hill/hillock (au'2G) (Fig. 3.4.1).

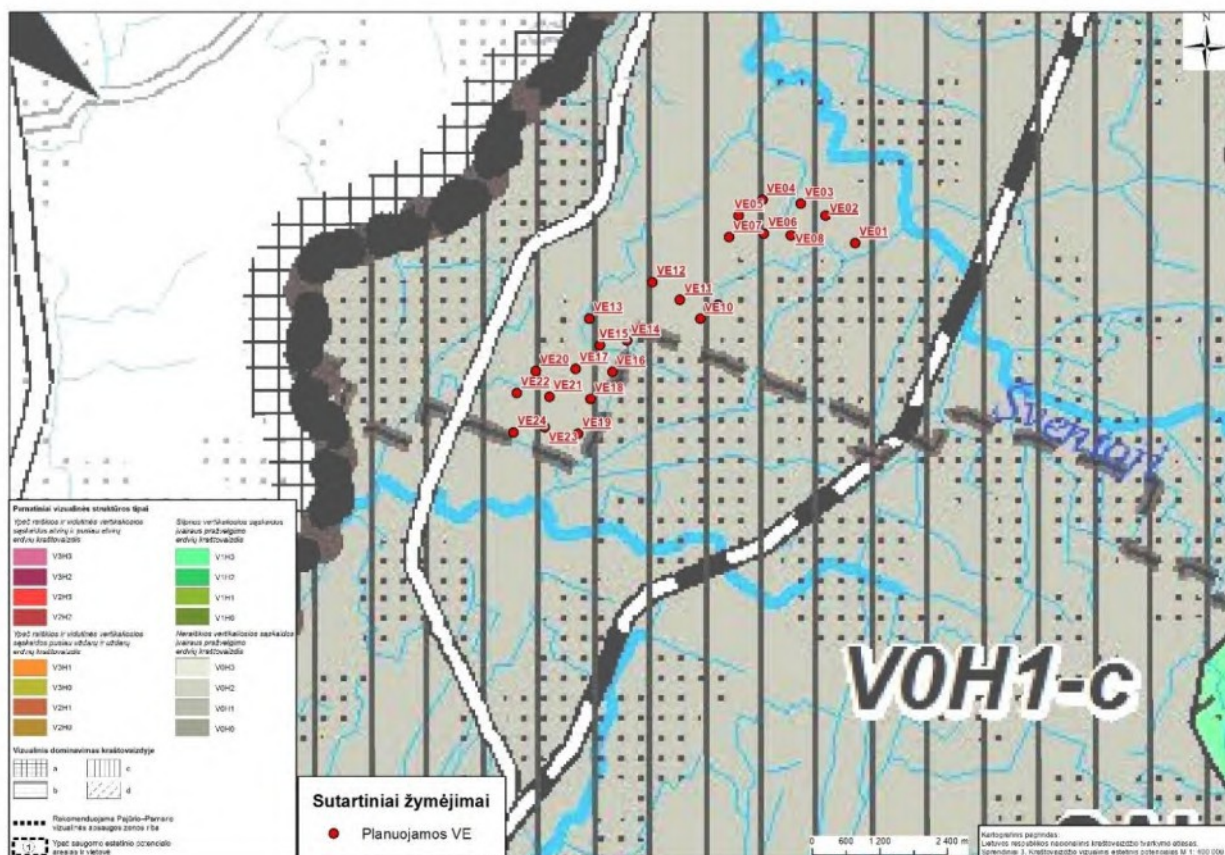


3.4.1 Fig. Location of the PŪV in relation to landscape management zones.

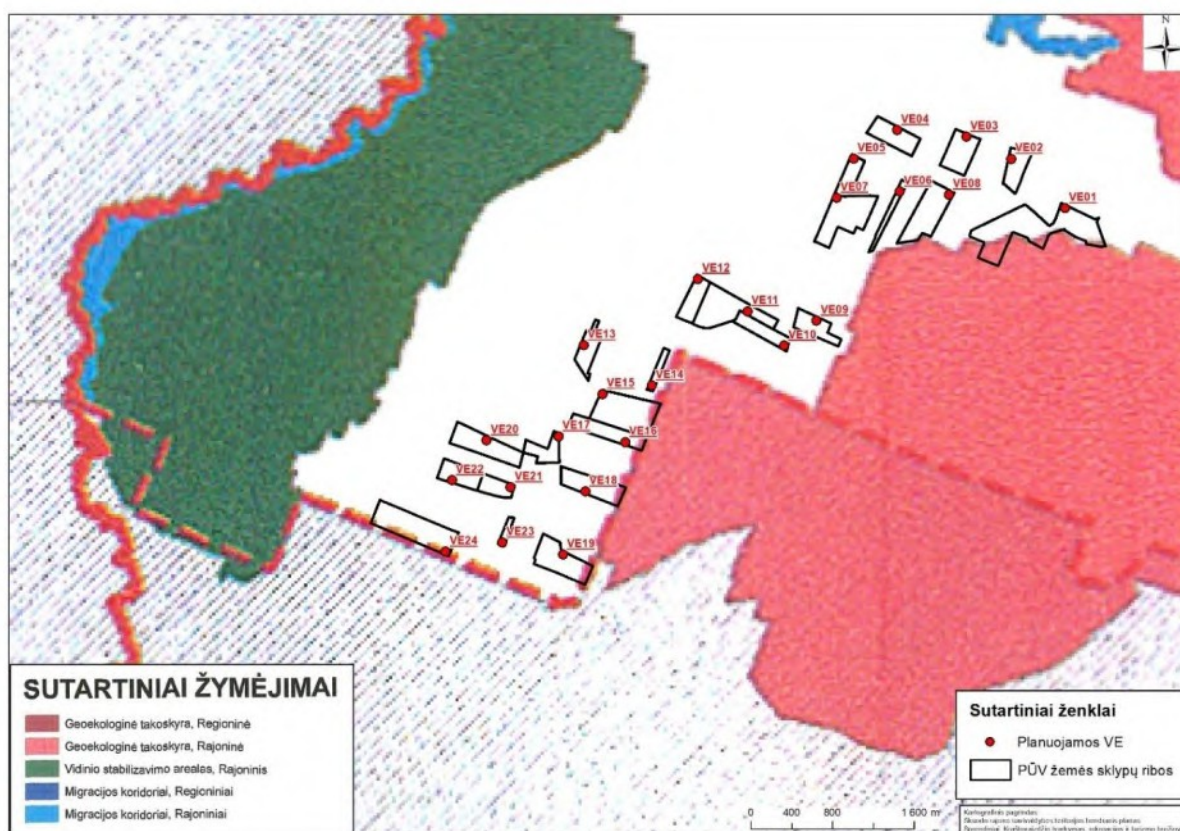
The entire analyzed area falls within the landscape visual structure type marked with the indices *V0H1-c* (Fig. 3.4.2). Landscapes of this visual structure type are dominated by an unexpressed vertical dimension (*V0*) (flat landscape with single-level videotopes) with a landscape of predominantly semi-enclosed, partially visible spaces (*H1*). Only vertical dominants (*c*) are expressed in the spatial structure of the landscape.

Based on the specific natural framework solutions of the Skuodas District Municipality General Plan, the planned VE sites do not fall within the natural framework areas (Fig. 3.4.3).

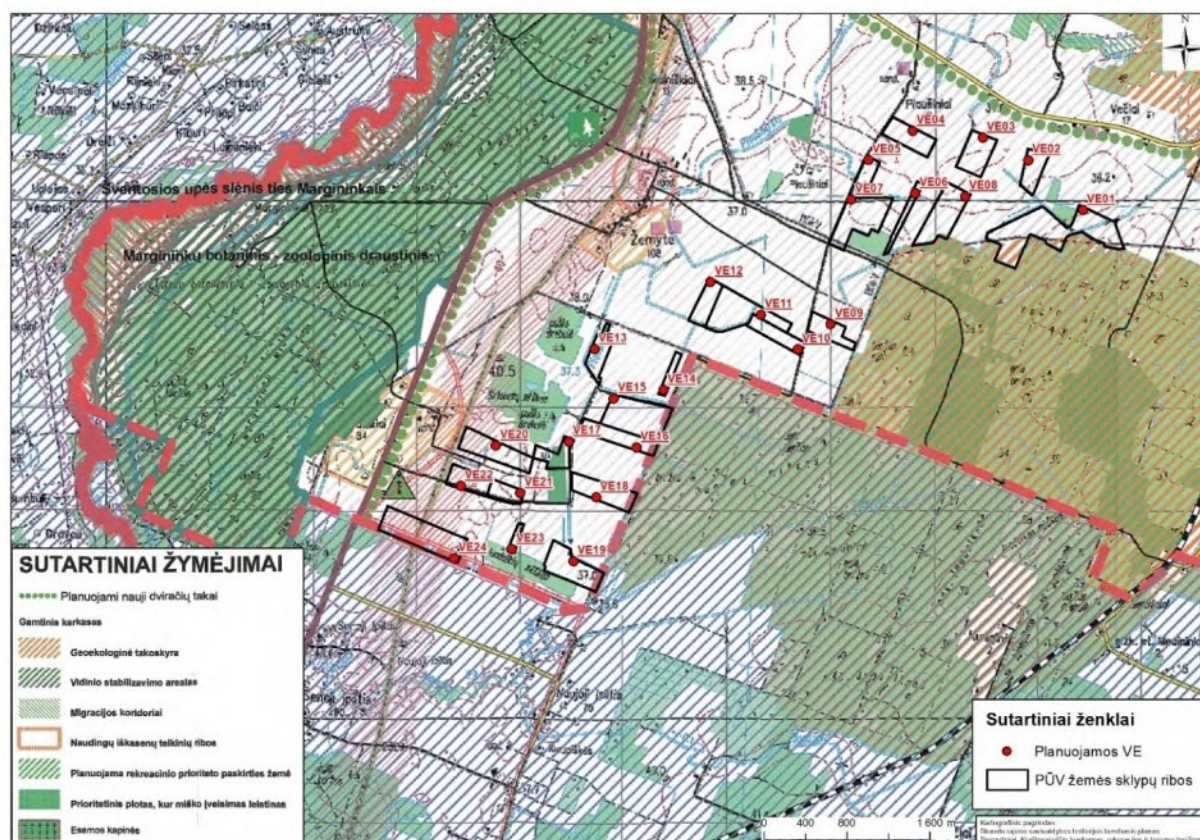
The solutions of the Landscape Management, Recreation and Tourism Plan of the valid general plan do not identify any areas or objects attractive/potential for recreation and tourism in the analyzed land plots (Fig. 3.4.4). New bicycle paths are planned along the existing regional road No. 218 Kretinga–Skuodas and district road No. 3704 Lenkimai–Daukšiai–Mosėdis.



3.4.2 Fig. Location of the PŪV in relation to the visual structure of the landscape.



3.4.3 Fig. PŪV land plots in relation to the natural framework solutions of the general plan of the Skuodas district municipality.



3.4.4 Fig. Location of the PŪV in relation to the development of recreation, nature, tourism, and cultural heritage.

Possible impact on the landscape

According to the valid spatial planning documents or the laws of the Republic of Lithuania, there are no restrictions on the planned land plots in terms of impact on the landscape for the establishment of the VE park.

According to the visual structure and use of the landscape prevailing in the vicinity of the territory, the territory under consideration falls within the category of intensively used landscape.

Once the PŪV is implemented, vertical dominant elements will appear in the landscape – VE, with a total height of up to 252 m. Objects of this height will be clearly visible from a distance in the prevailing landscape with a weak vertical component.

In accordance with point 101(1) of the Procedure for Assessing the Impact of Planned Economic Activities on the Environment¹⁴ of the Procedure for the Assessment of the Impact of Planned Economic Activities on the Environment, when assessing the impact of special structures higher than 30 meters on the visual and aesthetic potential of the landscape, the significant impact of tall structures is determined taking into account whether:

101¹. tall structures fall within the areas and sites of the country's visual and aesthetic potential that are subject to special protection, as well as landscape complexes of very high and high aesthetic potential that are particularly and moderately expressive (AI, AII, AIII, AIV, BI, BII, BIII, and BIV landscape visual structure types) (hereinafter referred to as YS landscape areas);

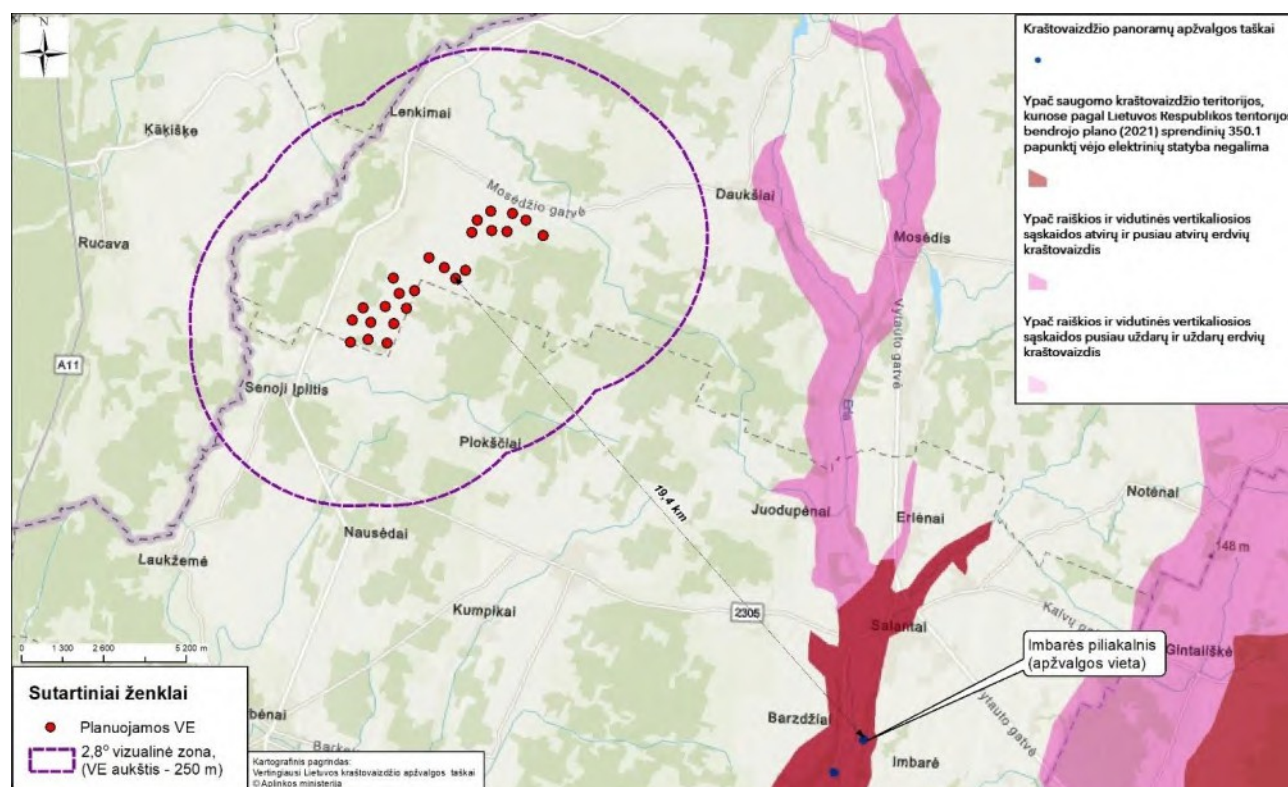
101². Tall structures do not fall within YS landscape areas, but will be visible in the horizontal field of view of the most valuable panoramas of the country's landscape at a vertical viewing angle greater than 2.80° from observation points located in YS landscape areas. Viewpoints are observation points or viewing locations specified in general and/or special territorial planning documents from which the most valuable panoramic views of the country's landscape can be seen in the direction indicated in the name of the viewpoint. If the viewing direction is not specified in the name of the viewing point, the most valuable panoramic views of the country are viewed from this point in the direction of the YS landscape areas. The horizontal boundaries of the field of view coincide with the visible

¹⁴ Approved by Order No. D1-703 of the Minister of the Environment of the Republic of Lithuania on October 2, 2015, "On the Approval of the National Landscape Management Plan."

panoramic boundaries. The list of the most valuable panoramic viewpoints in the country, compiled in accordance with the approved spatial planning documents, is provided in Appendix 1 to the Procedure Description.

The analyzed territory does not fall within the areas and sites of the country's visual and aesthetic potential that are subject to special protection, as well as landscape complexes of very high and high aesthetic potential, as defined in the National Landscape Management Plan (see Figures 3.4.2 and 3.4.5).

Information on the nearest important viewing points and vantage points is provided in accordance with the Map of the Most Valuable Landscape Panoramas of the Country prepared by the Ministry of the Environment ¹⁵(Fig. 3.4.5).



3.4.5 Fig. Information on the most valuable landscape viewpoints identified in the surrounding area.

According to the list of the most valuable panoramic viewpoints of the country's landscape, the nearest panoramic viewpoint is Imbarės piliakalnis (viewpoint) – located approximately 19.4 km from the analyzed VE park.

The *Zone of Visual Influence* (ZVI) module of the WindPro 3.5 software is used to assess the visibility of the planned wind farm. The following is used to determine the vertical viewing angle of the wind farm:

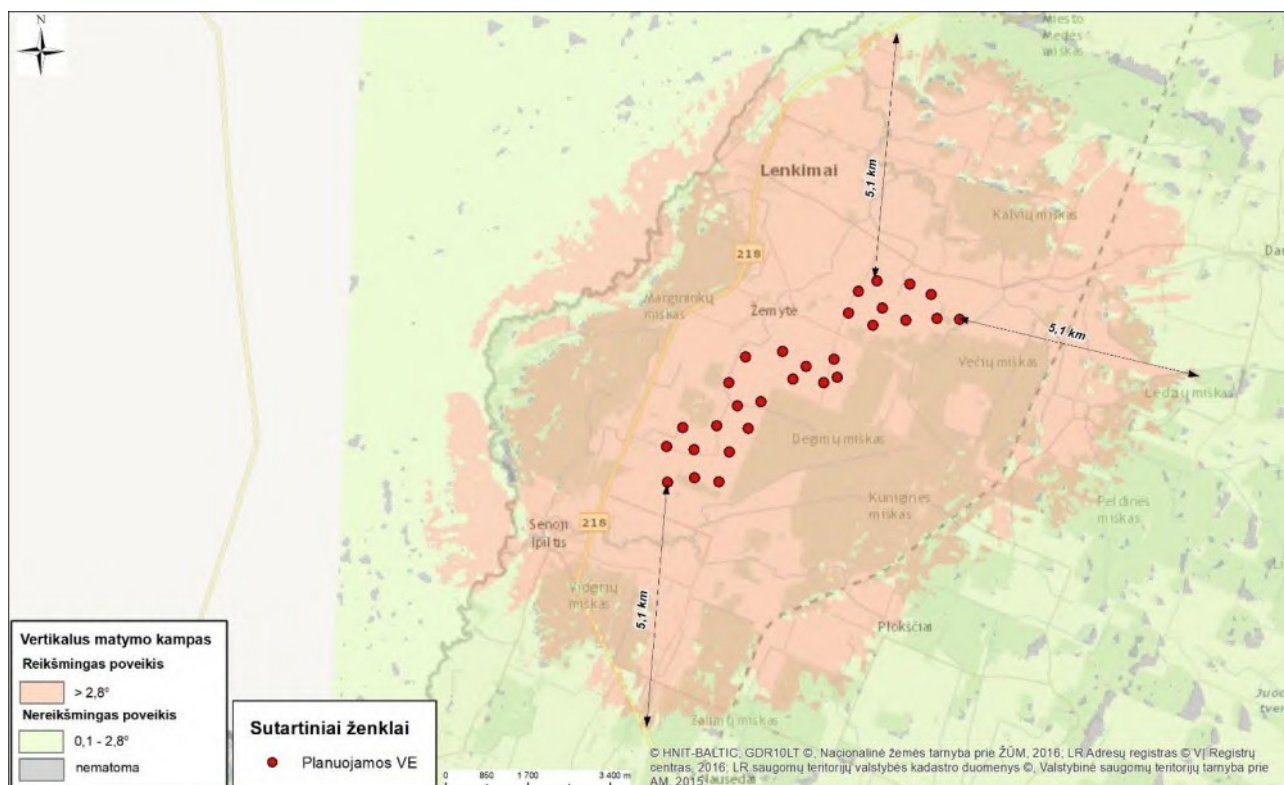
- VE position coordinates (X, Y, Z). It is assumed that all planned VEs are installed and operating simultaneously.
- VE stem height and rotor diameter. Considering that the clients may choose a VE model other than those listed in the EIA selection document for the project development, the worst-case scenario method is used for shadowing assessment. I.e., in order to determine the maximum impact zones of the assessed wind turbines, the highest model of the total height listed in Section 2.3 was used to determine the vertical angle: total height to the highest point with the blade raised – 252 m.
- Digital terrain model ¹⁶;
- Forest areas assessed as visibility obstacles ¹⁷(height ranging from 1 to 34 meters);

¹⁵ Available at: <https://vst-t.maps.arcgis.com/apps/webappviewer/index.html?id=80388c28c00845d9a9792bb01cd936df>

¹⁶ Lithuanian digital terrain model (resolution 10 meters). Data source: National Land Service under the Ministry of Agriculture, 2017.

¹⁷ Information on forest areas and their height was taken from the Forest Cadastre database (revised on 13 September 2017). Data source: State Forest Service under the Ministry of the Environment.

- Calculation step – 25 meters;
- The degree of land cover curvature was assessed;
- Calculation height: 1.7 m above ground level.



3.4.6 Fig. Calculated visual impact zone.

The zone calculated by the visual impact module where the vertical viewing angle of a wind farm with a total height of 252 m could exceed the 2.80° limit at a distance of approximately 5.1 km from the wind farm. There are no important landscape viewpoints at this distance (Fig. 3.4.5). According to the assessment, the construction of the wind farm will not have a significant impact on the visual and aesthetic potential of the landscape.

The following measures are planned to reduce the visual impact:

- locating the VE on the planned plots without violating the regulations for the protection of cultural heritage sites;
- the fertile soil layer will be preserved and used to restore damaged land;
- Planning of VE connection cable lines so that no forest clearing is required.
- The locations of the wind turbine towers and internal access roads will be selected in such a way as to preserve the small forests and groups of trees in the area.

3.5. Information on protected areas in the planned economic activity area and adjacent land plots or territories, including European ecological network Natura 2000 territories and the natural habitats and species of European Community importance protected therein, which are registered in the State Cadastre of Protected Areas, and the distances of these areas from the planned economic activity site

The land plots under analysis do not border any protected areas or NATURA 2000 sites. The nearest protected area – the Večių Forest, which is important for habitat protection – is 1.1 km to the north, and the Margininkai Botanical and Zoological Reserve is 1.3 km to the west of the PŪV site (Fig. 3.5.1 and Table 3.5.1).

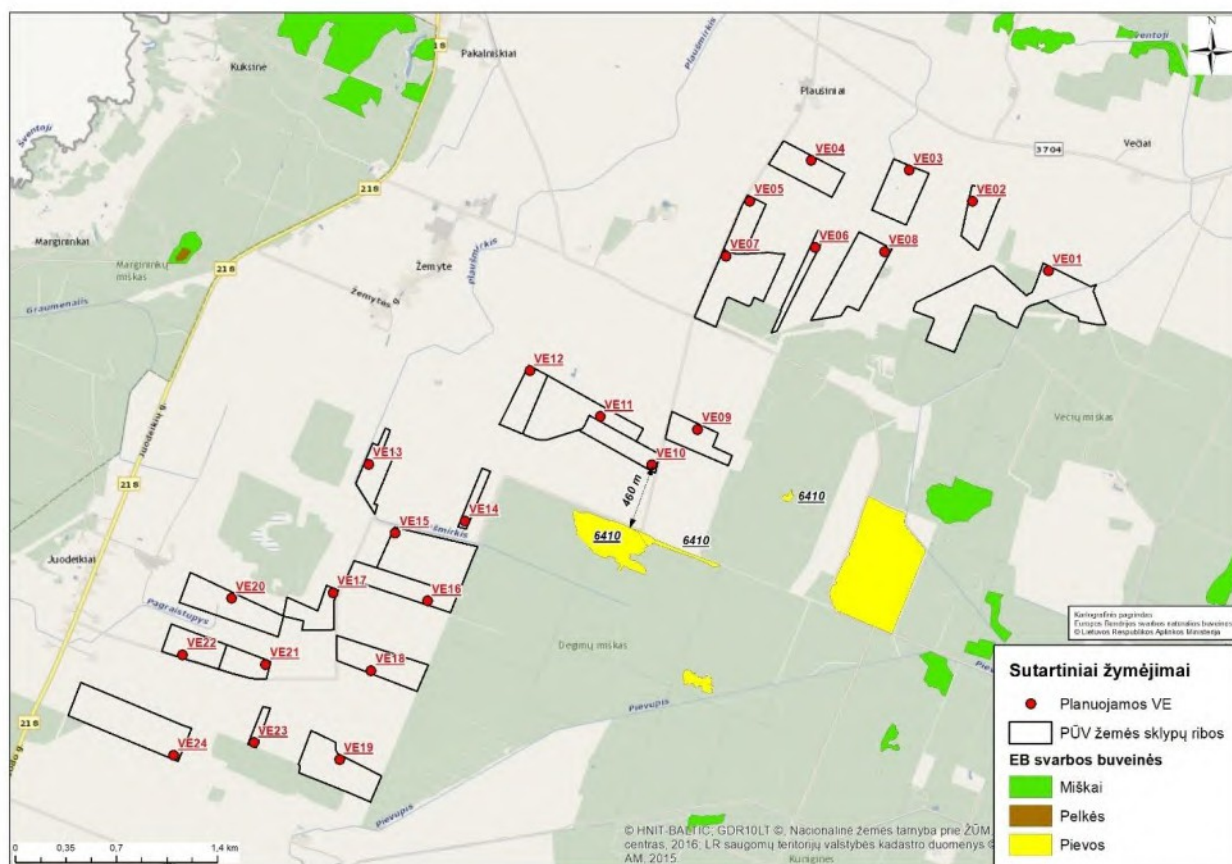
Protected area	Area	Purpose of establishment, protected value	Distance
Salantai Regional Park	13213	To preserve the landscape of the Erlos–Salanto–Minijos valley and its surroundings, its natural ecosystem and cultural heritage values.	7.1
Erlos geomorphological reserve	2196.5746	To preserve the fluvioglacial Erlos senslėnis with the Igarių and Erlėnų boulder fields and Alko Mountain, the habitats of protected species of birds (), the habitat of the rare plant species () and the habitat of the rare fungus species (). 7.1 km	7.1 km

3.6. Information on biodiversity in the area of planned economic activity and adjacent land plots or areas:

3.6.1. biotopes, habitats (including natural habitats of European Community importance) forests, their purpose and protection regime, meadows (excluding natural ones), wetlands, water bodies and their protection zones, strips, marine environment, etc., their abundance, quantity, quality and regeneration potential, natural environment resistance

There are no protected natural habitats on the land plots under analysis. The nearest natural habitat of European Community importance – Melvenynai (6410) – is located 460 m from the site of the planned development. Information on the nearest natural habitats of European Community importance is provided in Figure 3.6.1.

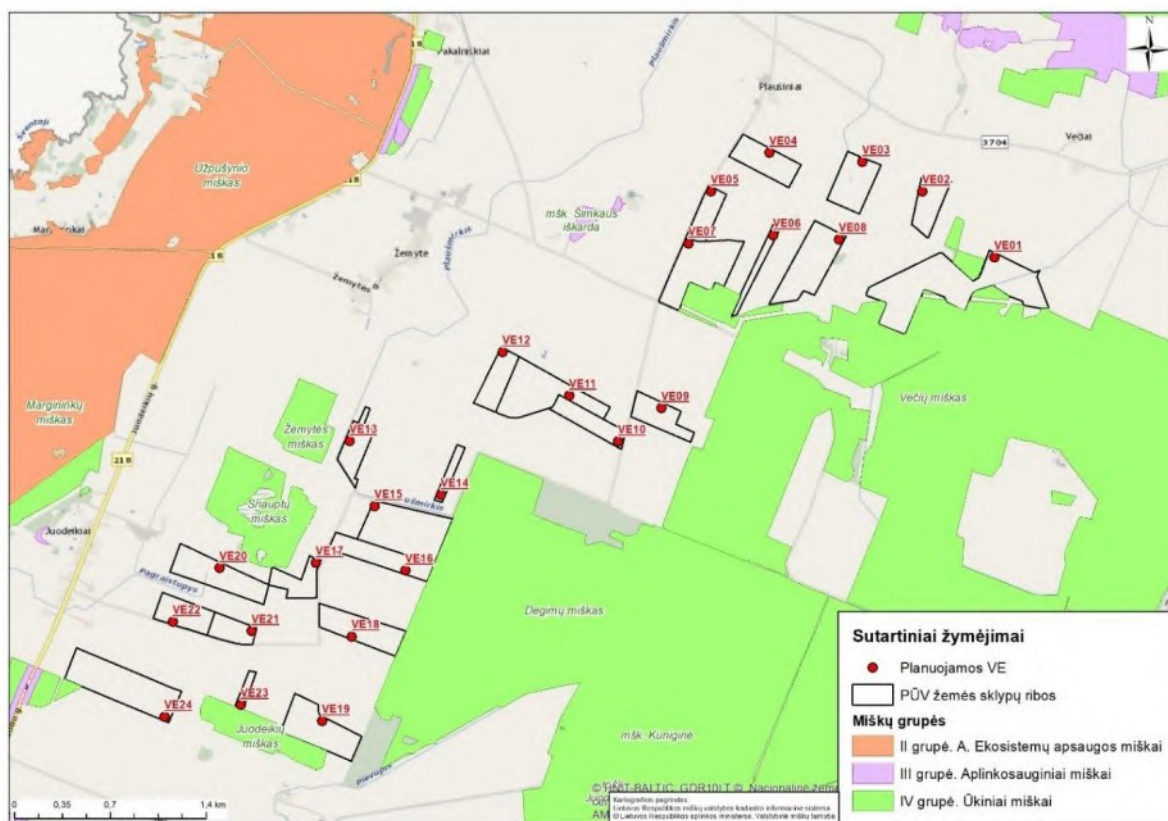
Melvenynai (6410) – melvenynai habitats with a predominance of purple moor grass (*Molinia caerulea*) are found in moist depressions in the relief and form small fragments interspersed among juniper habitats. These wet habitats are rapidly degrading due to scrub encroachment. They sometimes surround the slopes of shallow hollows. They are widespread throughout Lithuania.



3.6.1 Distances to the nearest natural habitats.

The land plots analyzed in the PŪV do not fall within the forest area, but border the Juodeikiai, Degimai, and Večių IV group of commercial forests. The distance from VE23 to the Juodeikiai forest is about 30 m, and from VE01 to the adjacent forest is 40 m. No forest clearing is planned for the implementation of the PŪV. There are no protected

(trees and shrubs) growing on non-forest land. The nearest area of greenery is 820 meters from the PŪV territory boundary (Fig. 3.6.3), and no negative impact is expected.



3.6.2 Fig. Information about forests.

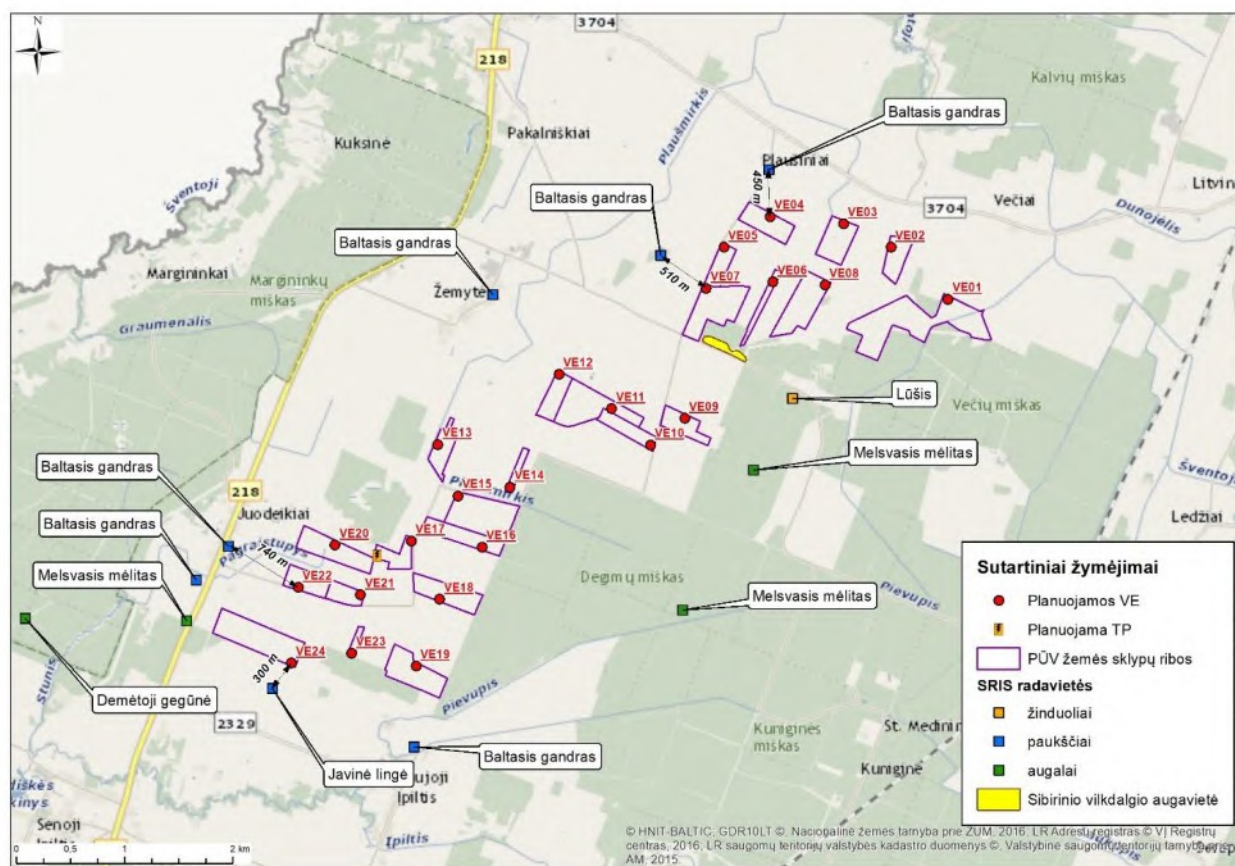


Fig. 3.6.2. Information about protected vegetation growing in the surrounding area, growing on non-forest land.

3.6.2. flora, fungi and fauna, with particular attention to protected species, their habitats and locations, information on which is collected in the SRIS (protected species information system) database, and their distance from the planned economic activity site

3.6.2.1. Information on protected species, their habitats and locations according to the SRIS database

The activity is planned on agricultural land, on cultivated land. According to the information collected in the SRIS (protected species information system) database, there are no protected plant, fungus or animal species within the boundaries of the land plots under analysis. The following species have been observed in the vicinity of the PÜV territory: the hen harrier (*Circus cyaneus*) (2014-12-03) and the lynx (*Lynx lynx*) (1993-05-05). White stork nesting sites have been identified nearby (at a distance of 450–740 m) (Fig. 3.6.4 and Appendix 5).



3.6.4 Fig. Locations of protected species identified in the surrounding area and distances to them.

3.6.2.2. Information on the sensitivity of the territory to birds and bats according to VENBIS project data

From February 2015 to March 2017, the Lithuanian Ornithological Society, together with its partners, the Seaside Research and Planning Institute and the Lithuanian Energy Institute, implemented the project "Wind Energy Development and Areas Important for Biodiversity (VENBIS)".

During the project implementation, field studies and targeted research were conducted in Natura 2000 areas on the most important breeding, wintering, and gathering sites and migration routes for birds and bats, and a database was created. areas important/sensitive for biodiversity protection and areas of conflict with wind energy development were identified; Prepare biodiversity monitoring standards, principles for identifying conflict areas, and recommendations for determining the significance of impacts. Prepare recommendations for reducing conflicts between wind energy development and biodiversity-sensitive areas at the national and local levels

Potential conflicts between wind energy development and biodiversity arise because habitats are altered during and after the construction of wind farms, and the operation of wind turbines causes bird and bat mortality

due to direct collision or barotrauma, and wind farms are a visual disturbance and obstacle during migration¹⁸.

Bird and bat surveys conducted during the VENBIS project

During the project, an online map was created showing areas important for biodiversity in the context of wind farm development, with references to conflict mitigation measures. In preparing this map:

- data was collected on protected bird and bat species in potential VE development areas (throughout Lithuania) during breeding, migration, and wintering. As the studies are related to VE development, open areas and sites near protected areas were studied first to assess whether wind farm development would have a negative impact on the species protected there, as well as potential sites for birds and bats, e.g., near water bodies, landfills, flooded meadows, etc. Greater attention was also paid to target species, i.e. those that may be more adversely affected by the development of the wind farm (such as birds of prey, cranes, etc.).
- based on data on target species collected in the Protected Species Information System (SRIS)
- the assessment of the potential impact on sensitive target species in NATURA 2000 sites and their surroundings carried out during the project implementation was taken into account
- based on the methodology for identifying conflict areas and assessing the potential negative impact of wind farms on birds and bats, as well as recommendations for reducing conflicts in the development of wind energy in areas sensitive to biodiversity.

The total assessed area of Lithuania is^{41,715 km²}, which is 64% of the total territory of Lithuania. Of this, 21,111 km² were assessed as highly sensitive areas (32% of the total territory of Lithuania). Moderately sensitive areas covered 8,170 km² (13% of the total territory of Lithuania), while low-sensitivity areas covered 12,434 km² (19% of the total territory of Lithuania, including the Curonian Spit).

Assessment of the sensitivity of areas with regard to birds

For breeding birds of prey, the installation of PV systems may have an impact due to:

- direct collision with the wind turbine;
- disturbance;
- change or loss of habitat.

It has been established that soaring birds of prey are at greater risk of collision with power lines than other bird groups. This is because birds of prey use thermals for take-off, hunting, and migration. Many birds of prey are killed by wind turbines during autumn migration when they follow small passerine birds. It is precisely these long-lived bird populations that are characterised by low reproduction rates and can be negatively affected by the loss of each individual.

Visual disturbance may cause birds to leave their feeding/resting places in or around wind farms. Temporary displacement of local birds may be observed during the installation of wind turbines, but the severity of the disturbance depends on the characteristics of the specific site and the bird species found there. When birds avoid certain objects at a certain distance, areas suitable for their feeding or resting may be lost.

The construction of wind farms during periods when birds and bats are sensitive, such as during breeding or rearing, is also considered to be a disturbance to their activities. Therefore, the installation of power plants, the construction of new roads or the renovation of existing ones, the laying of cables and other work necessary for the installation of wind power plants and infrastructure may have a significant impact on birds and bats if such work is carried out in bird nesting areas (e.g., forest clearing for road construction, etc.). In the case under analysis, access roads will be built in agricultural areas where crops are grown (see Figure 2.2.1), and cable lines will be laid alongside existing roads and in their protection zones, so no forest clearing is planned and therefore the impact

¹⁸ VENBIS. Activity No. 3.1.1. REPORT "Methodological tool for identifying conflict areas and assessing the potential negative impact of wind farms on birds and bats." Prepared by: Pajūrio tyrimų ir planavimo institutas (Pajūrio Research and Planning Institute).

unlikely for bats. When preparing the construction sites for the wind farm during the peak nesting season (May–June), no trees or shrubs will be removed, and the surface layer of the meadow will not be mowed, thus protecting the nesting sites of common birds. If vegetation removal is necessary, the plants to be removed must be checked before work begins, and if nesting birds or their nests are found, work will be suspended until the young birds have left the nests.

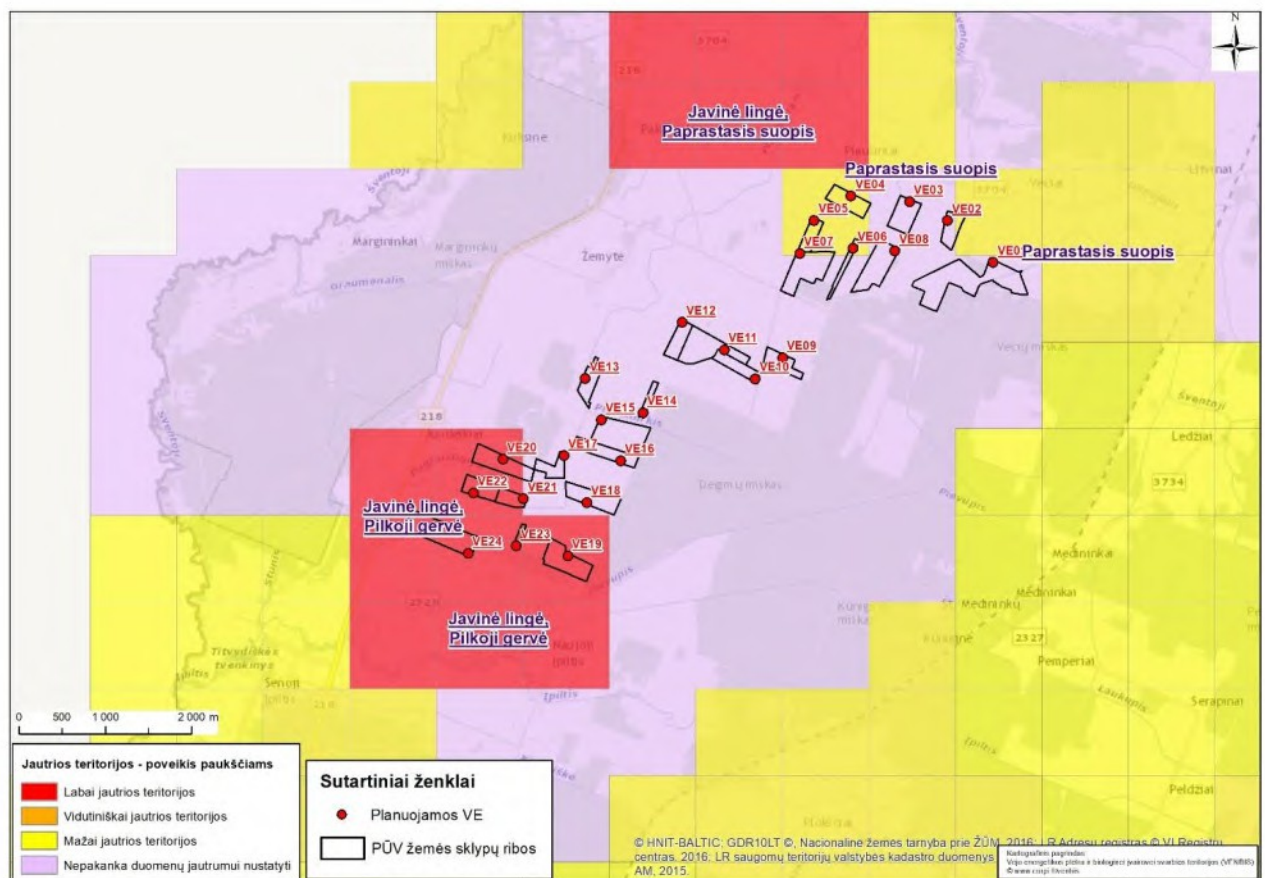
Bird researchers have observed¹⁹ that the abundance of certain bird species decreases in the vicinity of wind farms: studies of passerines, gallinaceous birds, birds of prey, and ducks have confirmed that the abundance of 45% of the species of nesting birds studied has decreased since the installation of wind farms. The decline in abundance is often due to habitat change caused by changes in the hydrological regime or a reduction in vegetation diversity.

During the VENBIS project, a methodology for assessing the sensitivity of the territory to birds was developed, according to which, taking into account the sensitivity of the detected species to the impact of VE, the conservation status of the species (according to the Lithuanian Red Book and the European Red List), the size of the breeding bird population and the size of migratory bird concentrations, the degree of sensitivity of the area is determined:

- highly sensitive areas – where the significance score (A) is greater than 12 points;
- moderately sensitive areas – where the significance score (A) ranges from 7 to 12 points;
- low sensitivity areas – where the significance score (A) ranges from 1 to 6 points.

Part of the analyzed area and adjacent areas were studied during the VENBIS project in terms of migratory and nesting birds (Fig. 3.6.5).

The northern and southwestern parts of the analyzed territory were assessed as highly sensitive areas for birds during the VENBIS project. The northern part was observed to be home to the common buzzard and the corn crane, while the southwestern part was home to the corn crane and the gray heron.

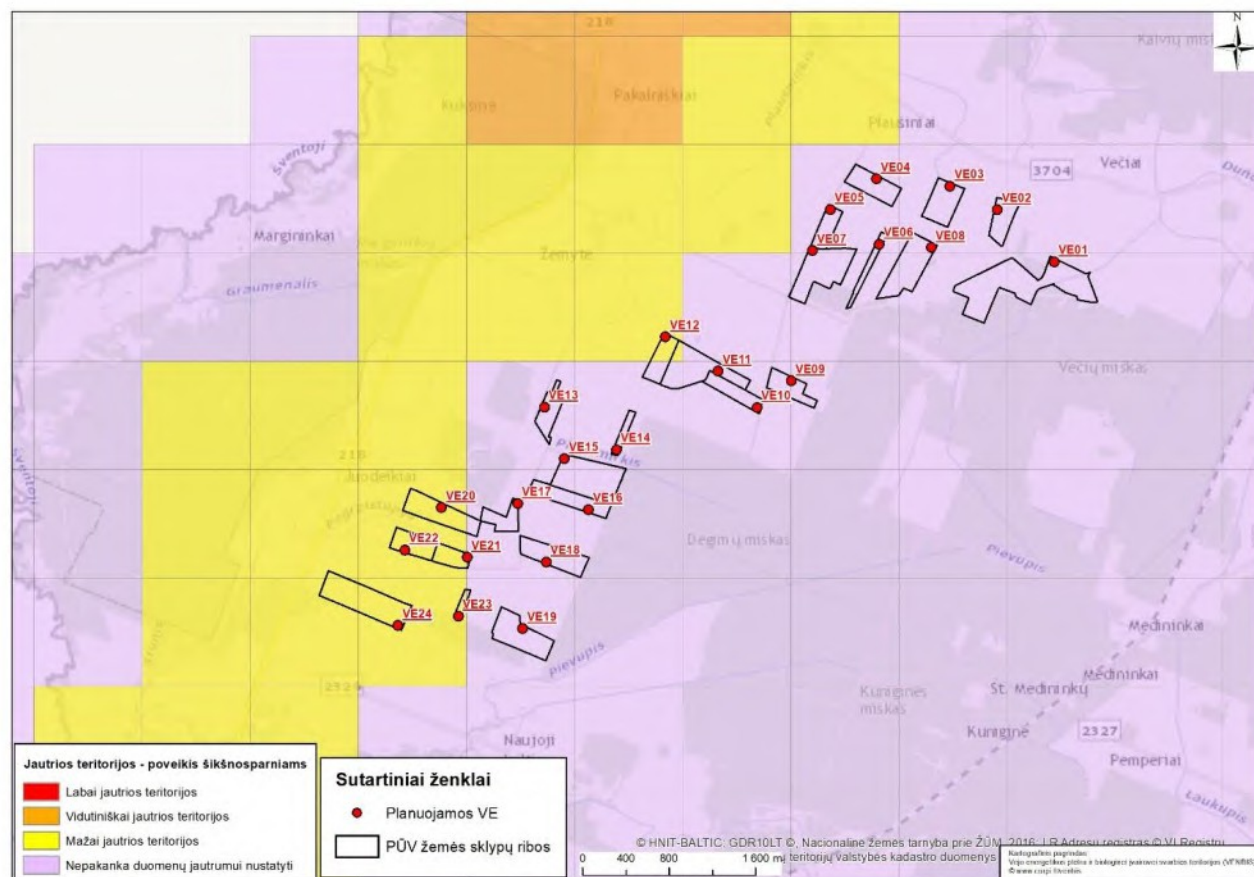


¹⁹ Stewart G. B., Pullin A. S., Coles C. F. 2007. Poor evidence-base for assessment of windfarm impacts on birds. *Environmental Conservation*, 34 (01), 1–11.

3.6.5 Fig. Sensitivity of territories to potential impacts on birds (based on the VENBIS project database).

The area analyzed was not studied in detail in terms of bats during the VENBIS project (Fig. 3.6.6). Studies were conducted in the southwestern part of the area and in adjacent areas to the north of the analyzed area.

The adjacent areas where VENBIS studies were carried out are classified as low and medium sensitivity areas.



3.6.6 Fig. Sensitivity of territories to potential impact on bats (source: VENBIS project database).

3.6.2.3. Bird and bat observations in the PUV territory

Bird and bat observations in the PÜV area began in April 2022. Bird migration and migration were observed from three permanent observation points, and route observations were also carried out in the planned VE park area and beyond. Predatory bird migration counts and feeding areas were identified. During the observations, the number of individuals, flight altitudes and directions, flight times, behavior parameters, and flight trajectories of flying birds were recorded. Maps were created by analyzing the abundance and flight trajectories of all recorded birds, during which bird density was calculated in 25x25 m squares. The report presents bird density by dividing birds into different ecological groups in 25x25 m squares.

Bats were counted using a mobile detector (Echo Meter Touch Pro) in transects in the analyzed area after sunset during the bat breeding season (May), observing for 4 hours during the most active feeding time of bats.

The results were analyzed using Microsoft Office, AcrGis and AcrMap, Statistica, and Kaleidoscope Pro Analysis Software.

Species composition and abundance of birds observed

During the observation of bird migration and flyovers in April–May 2022, 39 bird species were recorded (Table 3.6.2.1). The total number of birds flying over the territory reached 4,469 individuals. Of these

According to the IUCN classification of protected animals, three endangered bird species were identified. The great bustard and the Caspian harrier are classified as near threatened (NT), while the red-footed falcon is classified as vulnerable (VU). All other registered birds were classified as "least concern (LC)".

Eight bird species were included in the list of Annex I of the European Union Birds Directive: white stork, black stork, grey heron, corncrake, starling, corn bunting, white-fronted goose, and whooper swan. Eight species were registered according to the Lithuanian list of protected species: black stork, lesser spotted eagle, common buzzard, red-footed falcon, starling, great spotted cuckoo, corn crane, and partridge.

Table 3.6.2.1. Migratory and transiting bird species detected (IUCN – International Union for Conservation of Nature, Annex I – List of species in Annex I to the European Union Birds Directive, LRKS – List of protected species in Lithuania)

Group	No	Species	Abundance	IUCN	EU/BD I Appendix	LRKS
Gandriniųiai and crane	1	White stork	16	LC	Yes	No
	2	Black stork	1	LC	Yes	Yes
	3	Grey heron	50	LC	Yes	No
		Total	212			
Predators	4	Lesser spotted eagle	8	LC	Yes	Yes
	5	Marsh harrier	1	LC	Yes	No
	6	Common buzzard	1	LC	No	Yes
	7	Common buzzard	4	LC	No	No
	8	Brown hawk moth	2	LC	No	Yes
	9	Startsakalis	1	VU	Yes	Yes
		Total	69			
Seed crops	10	Large-seeded	65	NT	No	Yes
	1	Field seeder	1043	LC	Yes	Yes
	12	Caspian gull	11	NT	No	No
	1	Common buzzard	16	LC	No	No
	14	Common sandpiper	8	LC	No	No
	1	Red-headed vulture	513	LC	No	No
		Total	1882			
Žąsiniai	1	White-fronted goose	1	LC	Yes	No
	17	Swan singer	5	LC	Yes	No
		Total	17			
Sparrow	1	Alksninukas	3	LC	No	No
	19	Fieldfare	4	LC	No	No
	2	White-throated thrush	3	LC	No	No
	2	White-tailed eagle	3	LC	No	No
	2	Skylark	149	LC	No	No
	23	Yellow start	17	LC	No	No
	2	Magpie	2	LC	No	No
	2	Keršulis	66	LC	No	No
	26	Kranklys	49	LC	No	No
	2	Kuosa	39	LC	No	No
	2	Kurapka	2	LC	No	Yes
	2	Reed start	1	LC	No	No

	3	Common chickweed	50	LC	No	No
	3	Common raven	513	LC	No	No
	3	Meadow sparrow	2	LC	No	No
	3	Gray crow	3	LC	No	No
	3	Peregrine falcon	1	LC	No	No
	3	Fieldfare	634	LC	No	No
	3	Song thrush	30	LC	No	No
	37	Barn swallow	6	LC	No	No
	3	Uldukas	6	LC	No	No
	39	Rock pigeon	1	LC	No	No
		Total	2135			
Total			446			

During the observations, the most abundant birds flying through the VE territory were passerines and finches (Table 3.6.2.2.): finches – 47.8%, passerines – 42.2% and birds sensitive to the impact of VE – corvids and cranes – 4.7%.

Table 3.1.2. Abundance of birds recorded flying through the VE park

Group	Abundance	
	Ind	
Gulls and corvids	2	4
Birds of prey	6	1
Seed-eaters	1882	4
Rye	17	3
Sparrow	21	4
Total	4	1

Distribution of bird migration and flyovers in the territory

Maps of bird flyovers were prepared according to functional groups of birds. Each map shows trajectories and total bird density in 25x25m squares.

The highest total bird abundance was observed in the northeastern and central parts of the planned VE park, especially near the planned VE02, VE03, VE04, VE09, VE08, VE10, VE18, and VE21 (101–743 individuals/square) (Fig. 3.6.2.1).

Storks and cranes accounted for 4.7 percent of all migrating birds during migration. The largest numbers of stork birds were recorded in the north-east of the planned VE park area (between VE04, VE05 and VE06), where the number of birds was 26–107 individuals/square (Fig. 3.6.2.2).

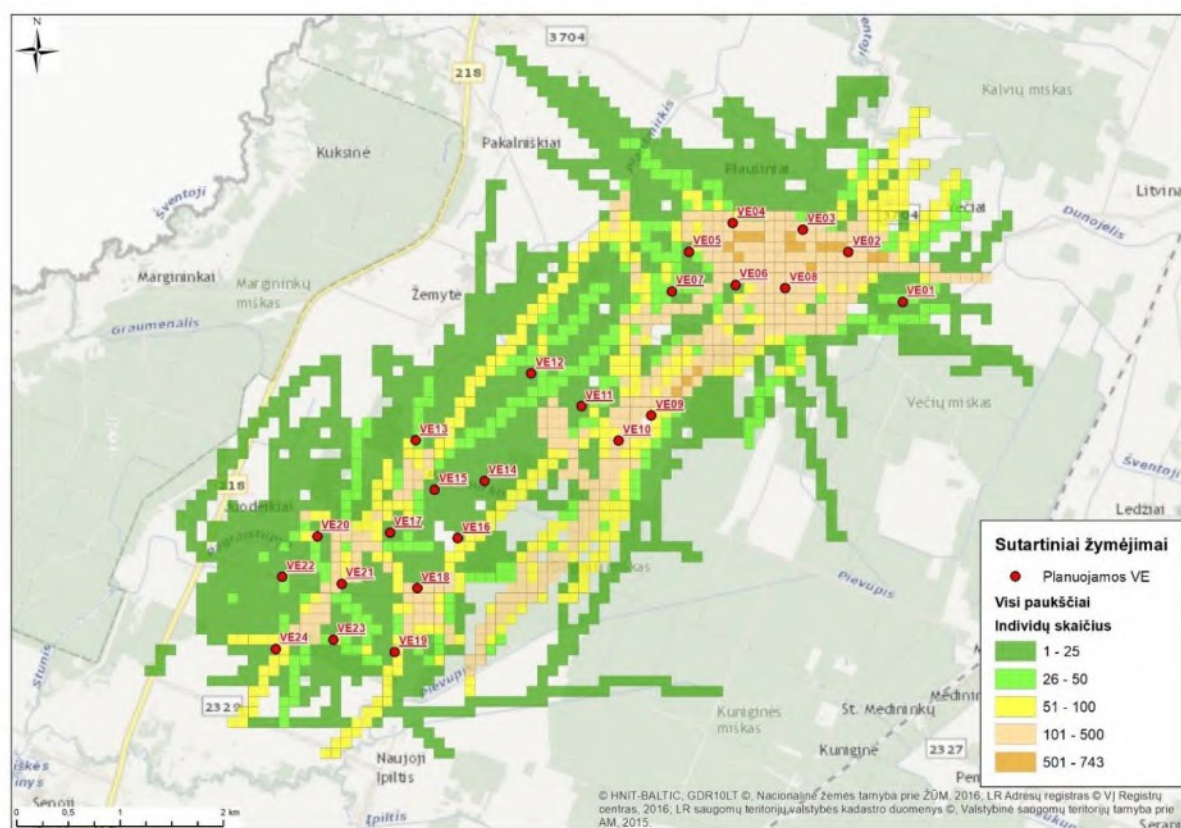
Birds of prey flew and hunted in various trajectories between individual planned wind farms. The most commonly observed species were the common buzzard and the marsh harrier, with their abundance distributed fairly evenly across the observed area. Higher abundance (3–8 individuals/square) was more frequently observed in the northern part of the planned wind farm. In the remaining wind farm area, abundance reached 1–2 individuals/square (Fig. 3.6.2.3).

Seed-eating birds were the most abundant group of birds observed. In the observed area, they flew most abundantly through the central part from the southwest to the northeast, where VE02, VE03, VE04, VE08, VE09, and VE10 are planned to be installed, with a density of 51–671 individuals per square. In other areas, the abundance ranged from 1 to 50 individuals per square (Fig. 3.6.2.4).

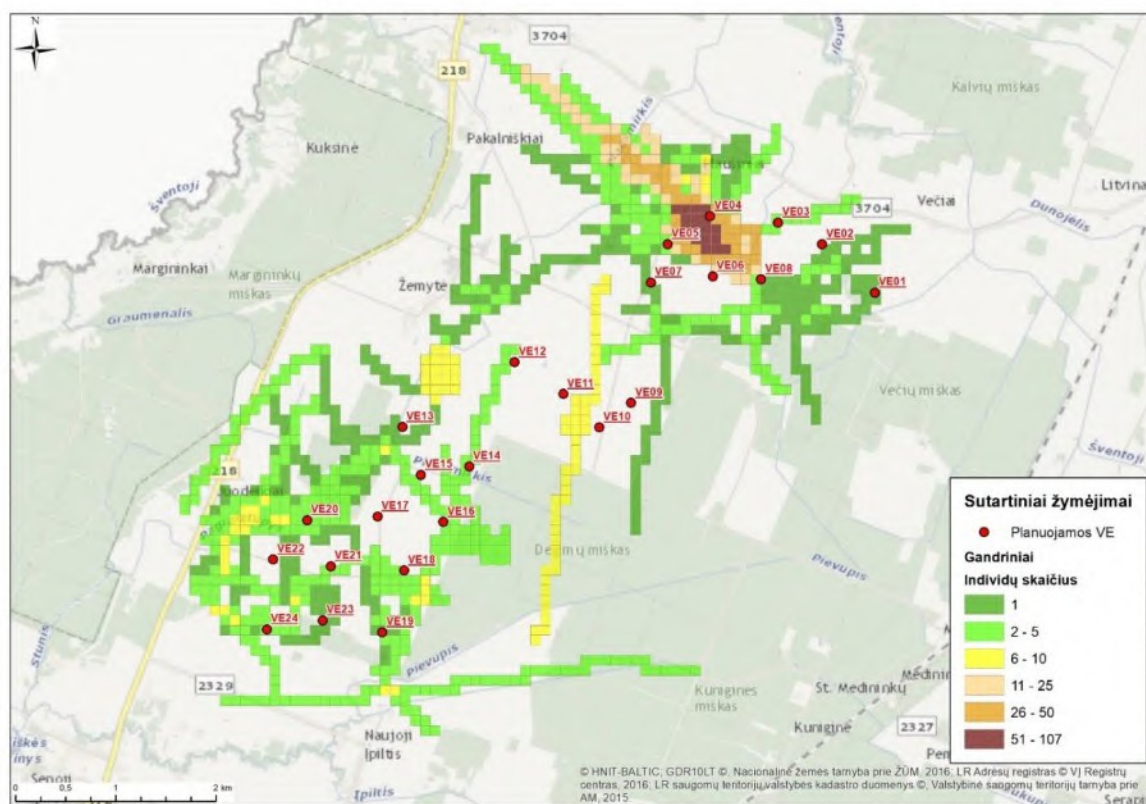
Passerine birds were the most abundant bird group observed in the VE park area. During the observations, several more abundant flyovers were recorded in the central part, where the density of birds reached 101–446 individuals/square (Fig. 3.6.2.5).

). A uniform south-westerly flight direction prevailed throughout the observed area, with a density of passerine birds of 1–50 individuals per square.

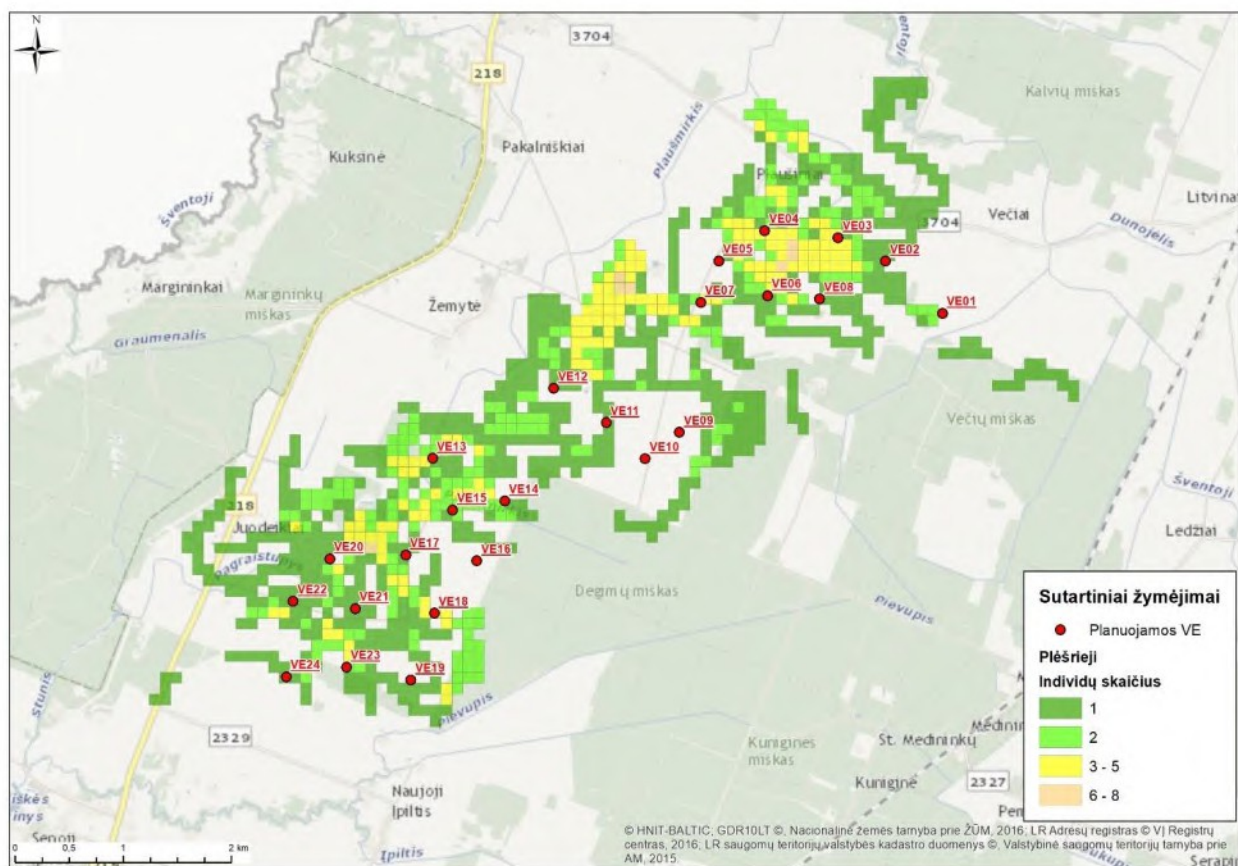
Geese were recorded flying in several directions in the area. The most abundant flights were from the southwest to the northeast – 51–92 individuals/square, flying through the planned VE02, VE8, VE16, VE18, VE19 and VE17, VE21, VE24 (Fig. 3.6.2.6).



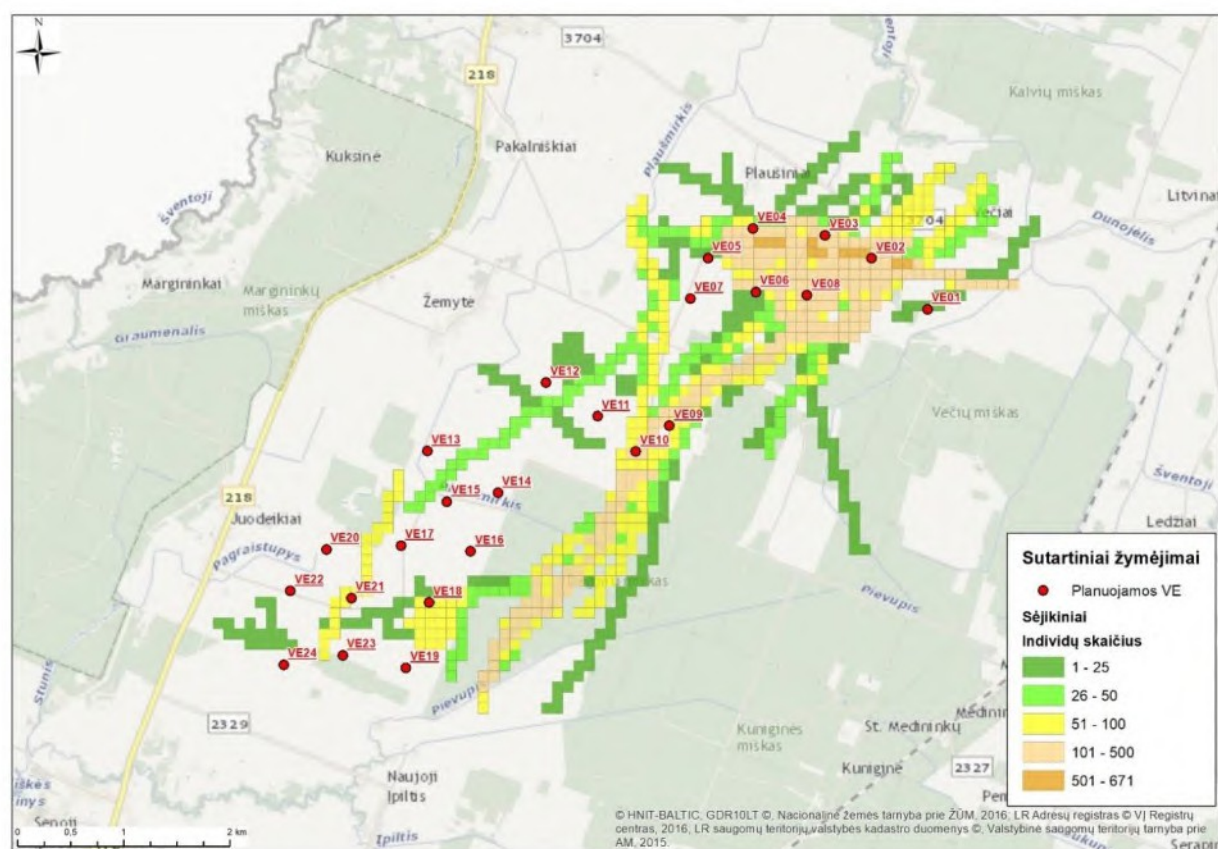
3.6.2.1 Fig. All bird flights through the VE area during the entire observation period.



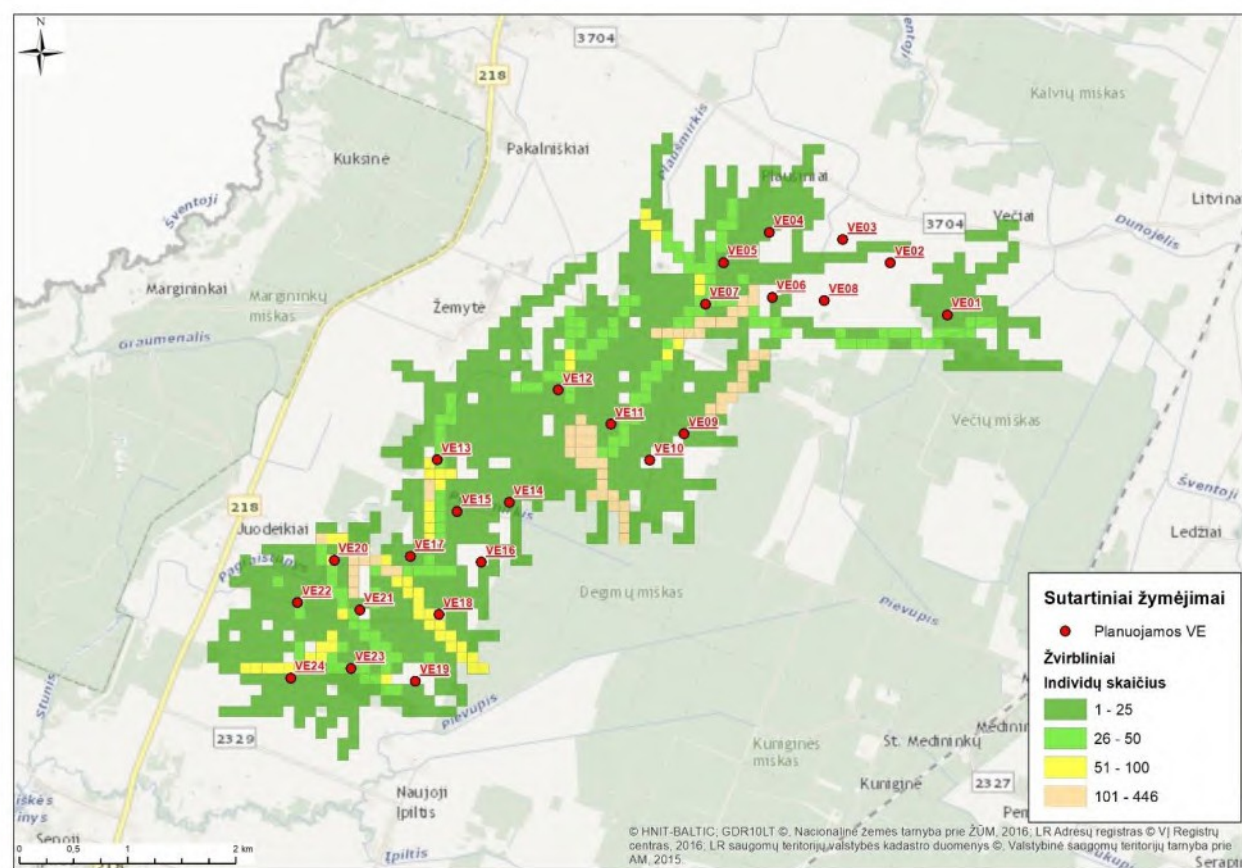
3.6.2.2 Figure. Intensity of migratory bird migration and passage.



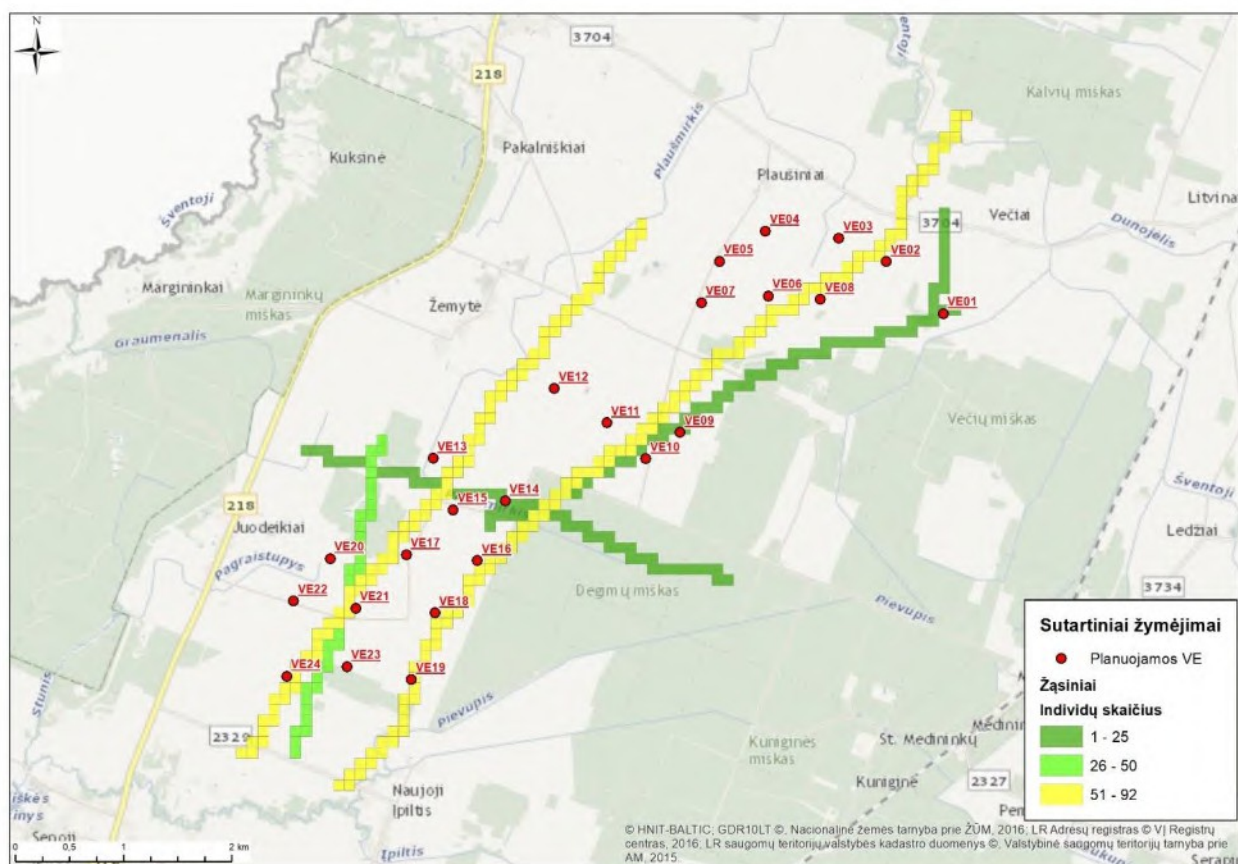
3.6.2.3 Figure. Intensity of migration and passage of birds of prey.



3.6.2.4 Figure. Intensity of migration and passage of seed-eating birds.



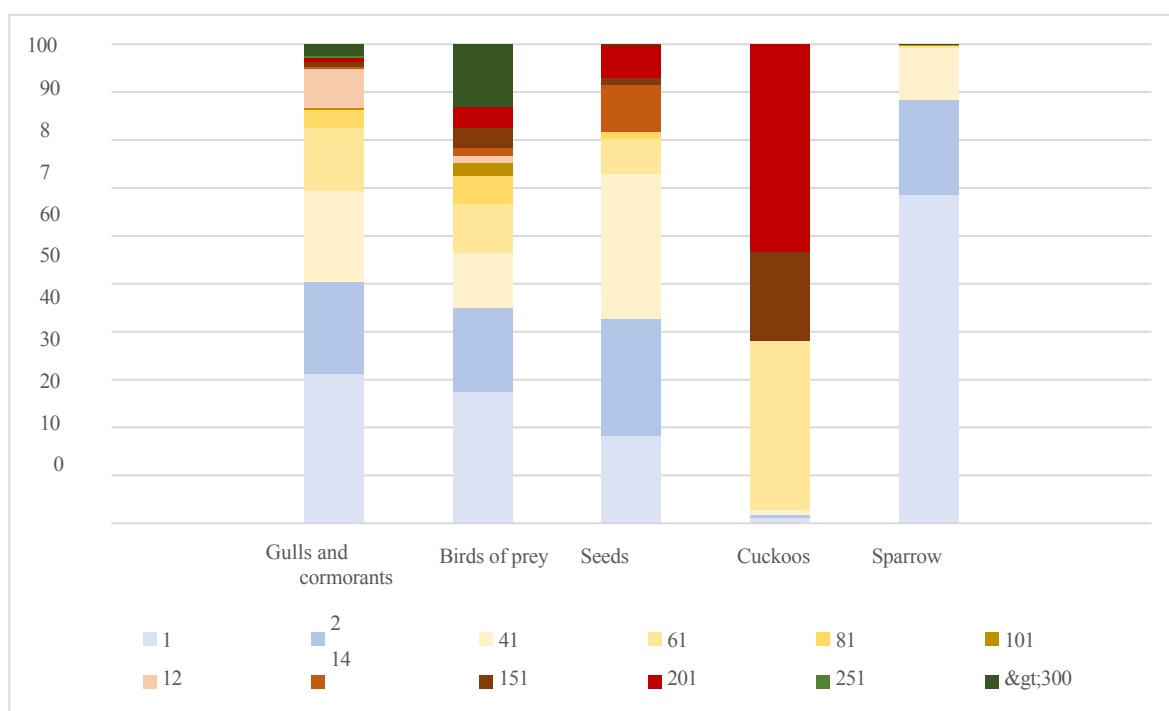
3.6.2.5 Figure. Intensity of migration and passage of passerine birds.



3.6.2.6 Figure. Intensity of migration and passage of geese.

Flight parameters

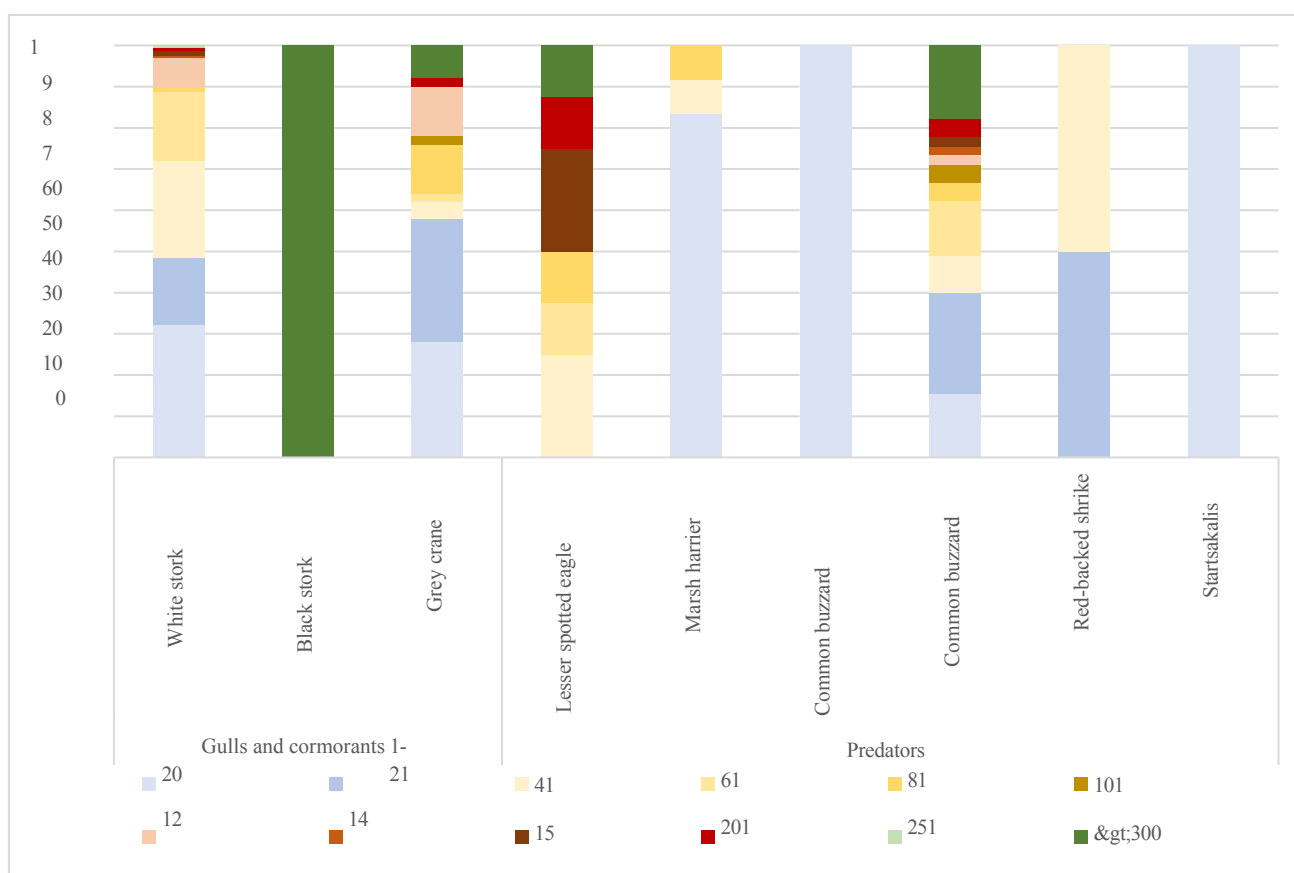
During observations, birds flew at various altitudes. According to the planned installation of wind turbines and based on the diameter of the rotor and blades, the altitude sensitive to bird flight may range from 40 to 250 meters. Approximately 50% of storks and cranes flew at an altitude of 40 to 250 meters (Fig. 3.6.2.7). 50.9% of white storks flew at an altitude of 40 to 250 m (Fig. 3.6.2.7 and Table 3.6.2.3). Thirty-four percent of gray herons were recorded flying at an altitude of 40–250 m. Birds of prey flew in a fairly even distribution, but there were very large differences between species. About 40% of birds flew at sensitive altitudes. In the group of seed-eating birds, about 40% of individuals flew at altitudes of up to 40 meters, and the rest at altitudes of 40–250 meters. A few percent of geese flew up to 40 m, and the rest at an altitude of 40–250 m. About 90% of passerines flew up to 40 m, and the remaining 10% flew at an altitude of 40–250 m.



3.6.2.7 Figure. Bird flight altitude by altitude class (altitude in meters).

Among birds of prey, lesser spotted eagles flew most frequently at sensitive heights, accounting for 87.5% of all flights recorded at sensitive heights. Red kites and common buzzards were also recorded, with 50% and 42.2% of them flying at an altitude of 40 to 250 m, respectively. Marsh harriers usually flew low, up to 40 m, like many other species of birds of prey (Fig. 3.6.2.8, Table 3.6.2.3).

Once all planned wind farms are installed, conflicts may arise with lesser spotted eagles, white storks, cranes, common buzzards, and red kites – species that fly at high altitudes.



3.6.2.8 Image. Flight altitude of sensitive birds as a percentage by altitude class (altitude in meters).

3.6.2.3 Table. Distribution of flights of sensitive bird species by altitude up to and at dangerous altitudes

Group	Species	Ind. number up to 40 m	Ind. number 40–250 m	Ind. number over 250 m	% at sensitive dangerous height
Cranes and storks	White stork	7	82	1	5
	Black stork			1	0
	Grey heron	2	1	4	3
Birds of prey	Lesser spotted eagle		7	1	87.5
	Marsh harrier	1	2		1
	Common buzzard	1			0
	Common buzzard	1	1	8	4
	Brown longhorn beetle	1	1		50
	Startsakalis	1			0

Most birds sensitive to the impact of wind turbines flew at an altitude of 40–250 meters, therefore these bird species – lesser spotted eagles, buzzards, red kites, storks, and cranes – are at risk of colliding with rotating blades.

When analyzing the layout of the planned wind farms in the area, the most frequent bird flyovers were recorded in the planned wind farms VE02 and VE04. The rarest flyovers were recorded in wind farms VE09, VE17, VE19, and VE22 (Table 3.6.2.4).

3.6.2.4 Table Observed bird flyovers at planned wind farm sites

Planned VE	Group					Total
	Storks and cranes	Birds of prey	Seeds	Buntings	Sparrow	
VE01	1		2		9	3
VE02	1	1	449			451
VE03	3	3	233			239
VE04	61	3	395		1	460
VE05	46	1	35		17	99
VE06	1	1	130		4	136
VE07	23	4	231		6	264
VE08	1	3			48	52
VE09	4		294			298
VE10	3		63			66
VE11					5	5
VE12			30	74	11	11
VE13	1	1				2
VE14			221			221
VE15		1	3		2	6
VE16	6				14	2
VE17		1			1	1
VE18					5	5
VE19		1			1	11
VE20	9				3	12
VE21		3			37	40
VE22	2	2		2	7	13
VE23	2	2			14	18
VE24	4					4
VE25		1			13	14
VE26		3	64		82	149
VE27	1			74	2	77
VE28	3	1			55	59
VE29	4	2	81	92	28	207
VE30		1			32	33
VE31	1	3			46	50
VE32	5	1		60	5	71
Total	285	79	2819	305	2181	5671

Bird flocks

In total, 8,004 birds forming flocks were counted during the 2022 April–May census. Most birds were recorded in arable fields, rapeseed fields, winter crop fields, and dry meadows.

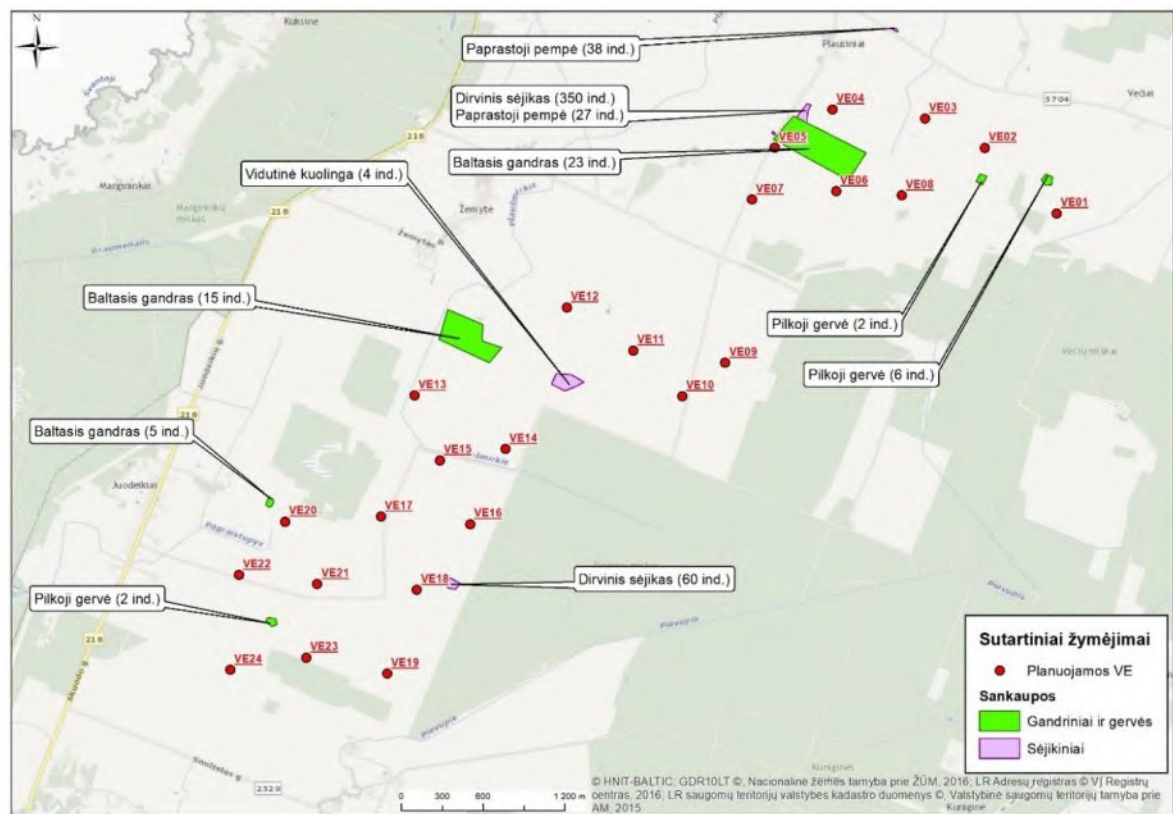
Gulls and corvids were not very abundant in the planned VE. Four flocks were recorded – three in the northeast and one in the center of the territory. A flock of white storks (23 individuals) was recorded in the northeast between the planned VE04, VE05, and VE06 sites (Table 3.6.2.5, Fig. 3.4.1).

Three flocks of seed-eating birds were recorded, consisting of corn buntings, common buntings, and medium-sized buntings. No flocks of birds of prey were recorded. Flocks of passerines were observed in eight locations. A flock of corncrakes (17 individuals) was observed between the planned sites VE04, VE05, and VE06. A flock of corn buntings (400 individuals) was recorded near the planned site VE21. Waterfowl formed one small flock.

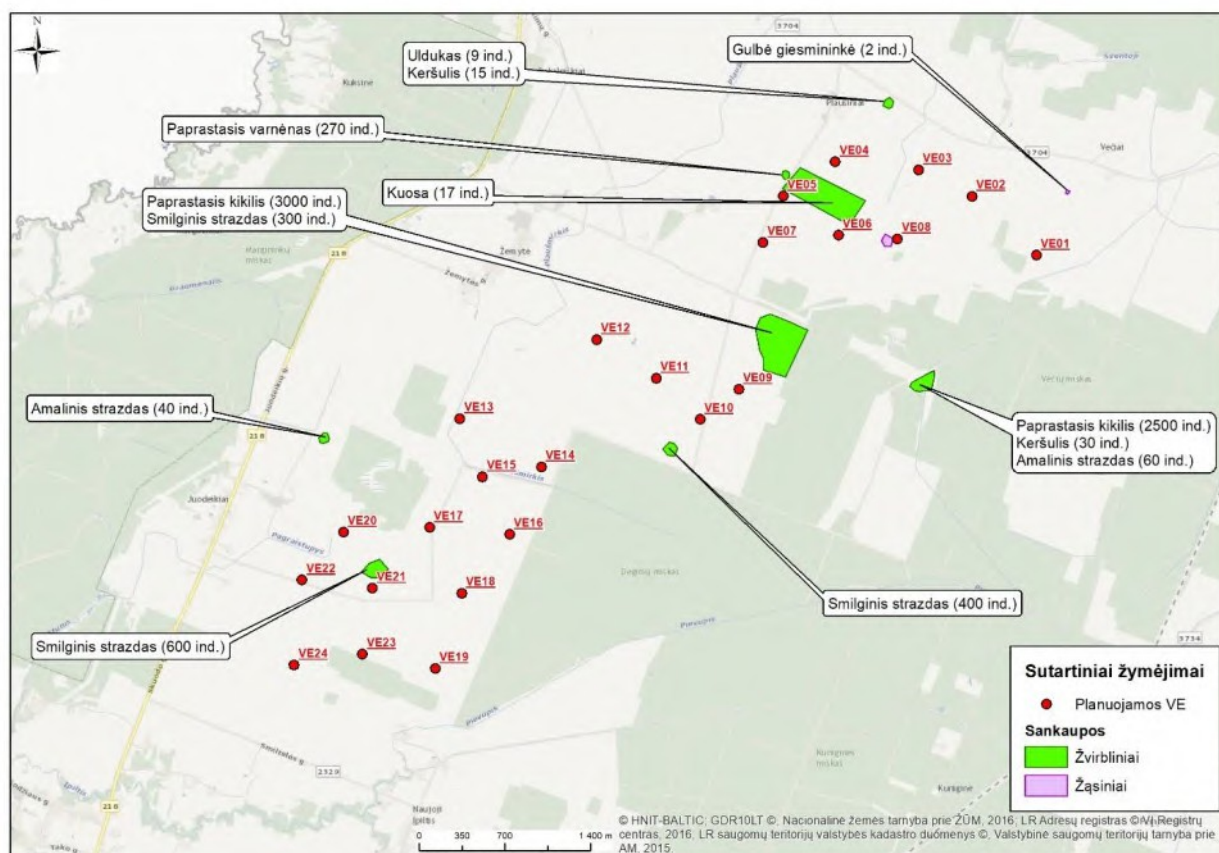
3.6.2.5 Table. Total number of bird flocks in April–May

Group	Species	Total
Cranes and storks	White stork	4
	Grey heron	1
Seeds	Field lark	630
	Common linnet	6

Group	Species	Total
	Thunderbird	3
	Average size	4
Goose	Swan singer	7
Sparrow	Amalinis thrush	1
	Wren	4
	Kuosa	1
	Common chickweed	55
	Common raven	27
	Fieldfare	1
	Uldukas	9
Total		8



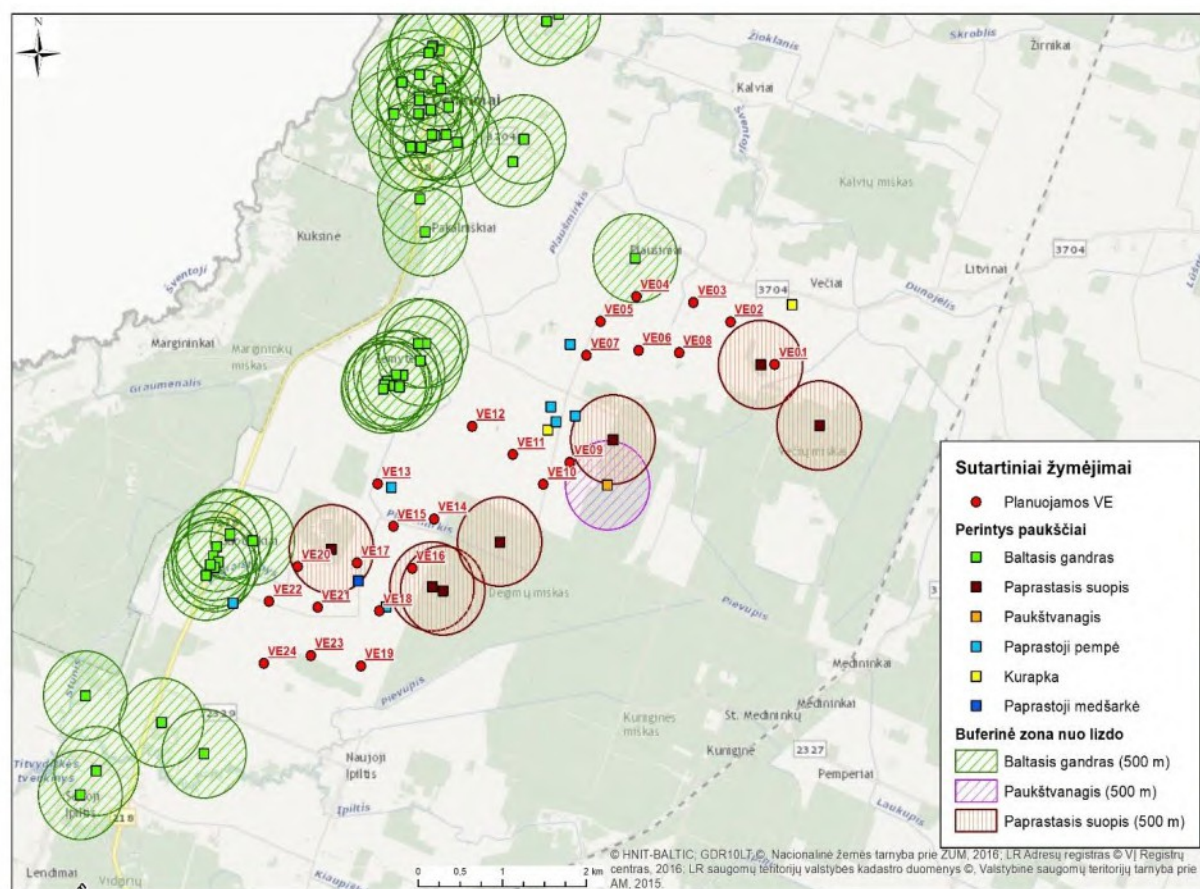
3.6.2.9 Fig. Locations of heronries and rookeries and seed-eating birds.



3.6.2.10 Fig. Locations of passerine and goose bird roosts.

Counting breeding birds

Breeding birds were identified based on observed chicks, the behavior of adult birds in the area, songs, and nests found. Seven pairs of common buzzards and one pair of black kites bred in the forests adjacent to the VE area. White storks migrated in large numbers to the north and west of the planned VE territory.



3.6.2.11 Fig. Locations of breeding birds' nests and nest sites identified during observations.

It is known that bird species sensitive to the impact of wind farms most often use areas close to their nests, so most of their flights take place at a certain distance from the nest. The most sensitive distance for each identified nest was marked: 500 m for the common buzzard, 500 m for the white stork, and 500 m for the harrier (Fig. 3.6.10).

According to the identified nesting sites and nesting areas of birds sensitive to the impact of wind farms, six planned wind farms fall within the sensitive nesting distance: VE01, VE04, VE09, VE16, VE17, and VE20. Four planned wind farms (VE01, VE16, VE17, and VE20) fall within the nesting areas of the common buzzard. Wind farm VE04 falls within the nesting areas of the white stork, and wind farm VE09 falls within the nesting areas of the common buzzard. It is likely that the wind turbines located in the nesting areas of several bird species will have the greatest negative impact. In the case under analysis, the location of wind turbine VE16, which falls within two nesting areas of the common buzzard, is noteworthy.

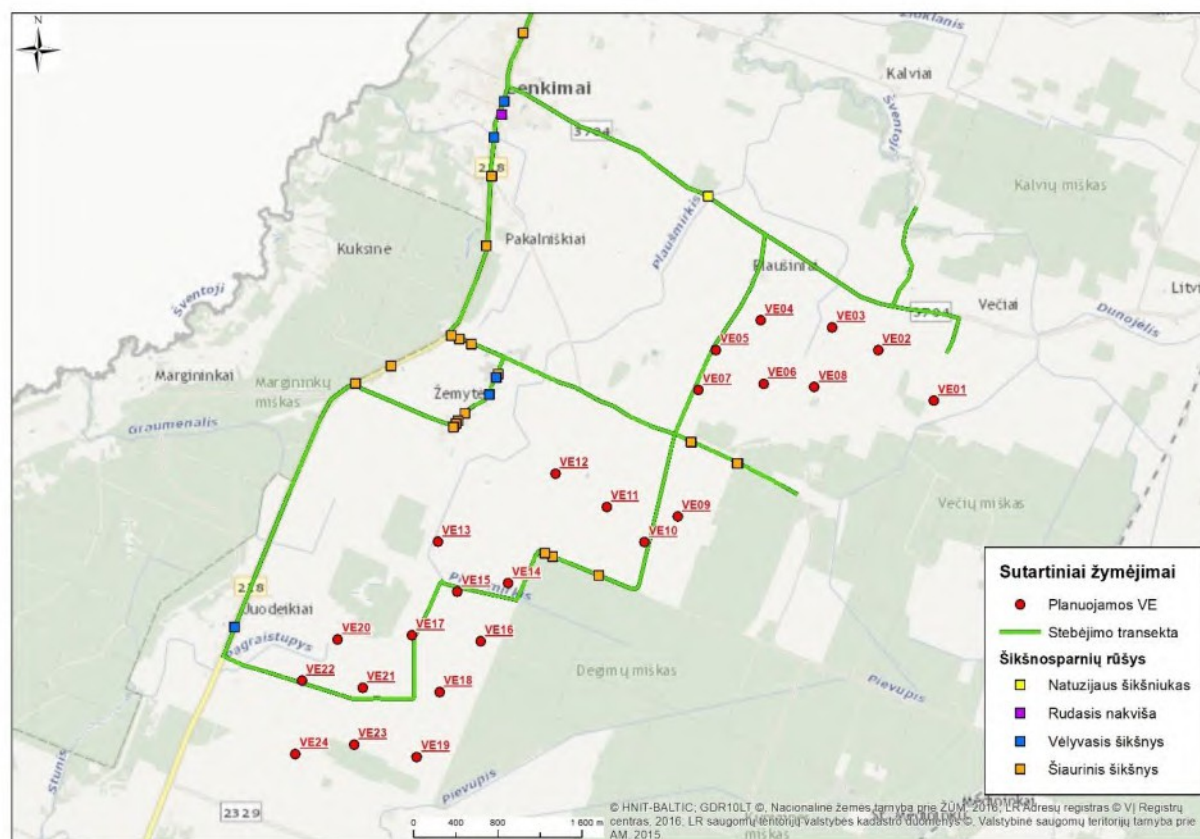
3.6.2.6 Table. Distribution of wind turbines according to their location and bird nesting areas sensitive to wind turbine impact

Wind farm No.	Hawk (500 m)	Common buzzard (500 m)	White stork (500 m)	Total
VE01		1		1
VE04			1	1
VE09	1			1
VE16		2		2
VE17		1		1
VE20		1		1

Bat census

Bats were surveyed during the breeding season in June in the planned VE park and surrounding areas. Four bat species were recorded during the breeding season, the most abundant of which was the northern bat. According to the list of protected species in Lithuania, one species was recorded: the late bat (3.6.2.7

table). Individual specimens of the following species were also recorded: late bat, brown long-eared bat, and Natuzio's pipistrelle. Bat signals were most frequently recorded in the Degimai and Marginikai forest edges (northern and late bats) and in settlements – northern and late bats were more abundant in Žemytė, while in Lenkimai, late bats and brown long-eared bats were more common, where they find suitable food – a variety of insects (Fig. 3.6.2.12).



3.6.2.12 Fig. Species composition of bats in the observed area.

In open agricultural fields, bat activity was not high, with only isolated cases of northern and late bats, Natuz's pipistrelle, and brown long-eared bats recorded. Observation data showed that isolated signals were recorded for the brown long-eared bat and Natuzio's pipistrelle, which are classified as high risk, while more intense signals were recorded for the northern and late pipistrelle, which are classified as medium risk.

3.6.2.7 Table. Bat species composition, conservation status, and abundance

No	Name	Number of records	Risk group	Protected species / Habitats Directive	LRK
1	Northern hawk owl	1	Average		
2	Late shrub	5	Average		Yes
3	Brown nightjar	1	Tall		
4	Natuzijaus šikšniukas	1	Tall		
	Total	25			

The planned area where the wind farm will be built is relatively sparsely populated and dominated by agricultural land used for monoculture: rapeseed, various cereal crops, legumes, etc. There are no larger bodies of water in the area, which are necessary for some bat species. Observations show that during the breeding season in the planned wind farm area, all bats are observed near settlements and local

There should be no collisions between bats and wind turbine rotors, or only isolated cases with no significant impact on the local population.

According to EUROBATS recommendations, wind turbines should be installed no closer than 200 m from forests, tree alleys, or green areas to protect bats. If it is not possible to maintain a distance of 200 m from the listed habitats. In the case under analysis, the locations of VE01, VE08, VE13, VE14, VE16, VE17, VE19, VE20, and VE23 are planned at a distance of less than 200 m from the forest (Fig. 3.6.2.13).



3.6.2.13 Fig. Planned location of wind farms in relation to the forest (200 m buffer zone).

VE located less than 200 m from the forest must be operated in a safe mode and the minimum wind speed for the start of operation (cut-in wind speed) must be increased during the bat breeding season from the beginning of May to the end of October (nights from sunset to sunrise) in order to reduce the possible death of bats (if such an impact is identified during monitoring). At wind turbines located at a distance of less than 200 m from the forest, a minimum wind speed for the start of operation (cut-in wind speed, which in most wind turbine models is 3.5 m/s) must be increased to 5.5–6 m/s.

3.7. Information about environmentally sensitive areas in the planned economic activity area and adjacent land plots or areas – water body protection zones and coastal protection strips, flood zones, karst regions, groundwater aquifers and their protection zones

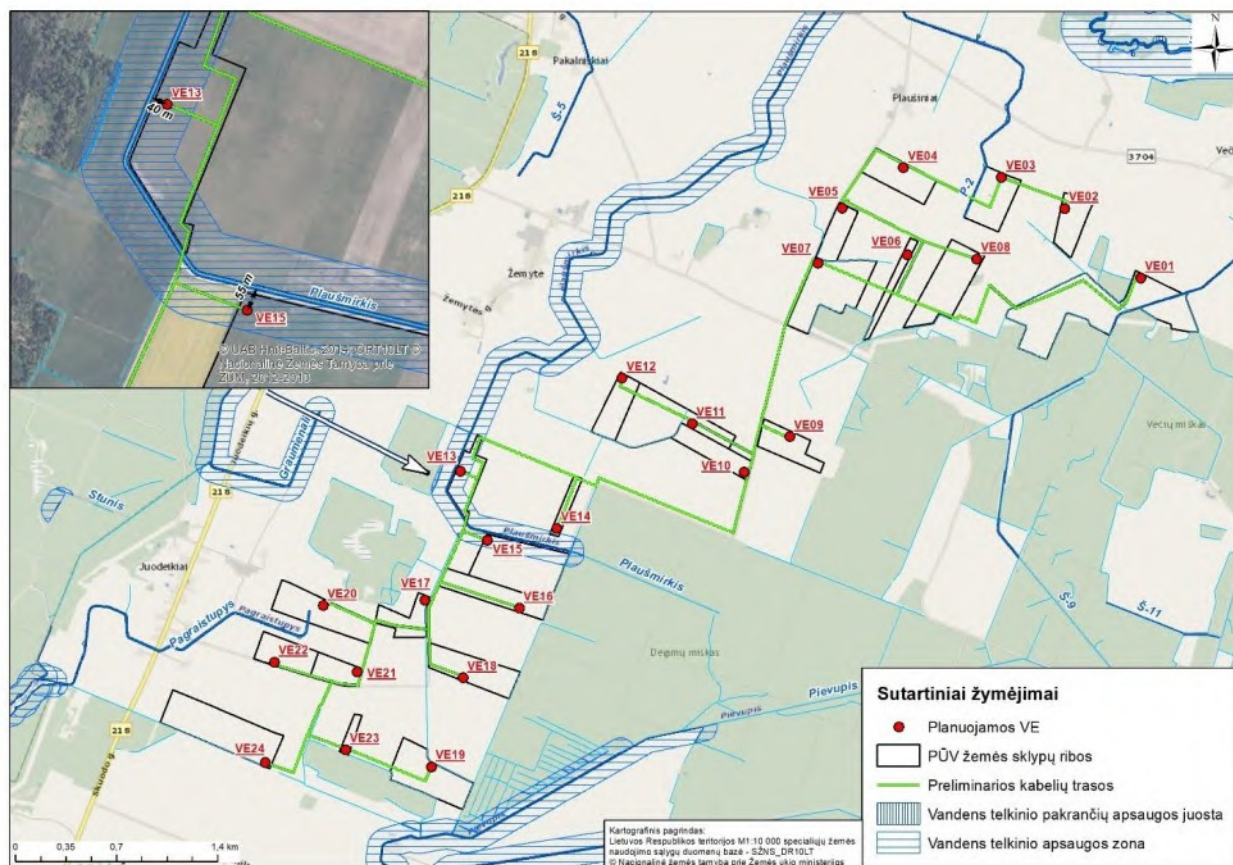
The PŪV territory is located in the Lithuanian coastal river basin. The Šventoji River flows to the northeast of the PŪV territory, and the Plaušmirkis (left tributary of the Šventoji), P2 (tributary of the Plaušmirkis), and Pagraistupys (left tributary of the Stutnis). The planned locations of VE13 and VE15 fall within the boundaries of the Plaušmirkis stream protection zone.

In accordance with paragraphs 9.3 and 5.2 of Order No. 540 of the Minister of the Environment of the Republic of Lithuania of 7 November 2001 "On the Approval of the Procedure for Establishing Protection Zones for Surface Water Bodies and Shore Protection Strips," the Plaušmirkis River is assigned a 100 m protection zone and a 2.5 m shore protection strip.

Taking into account the requirements of Article 100(4) of the Law on Special Land Use Conditions (No. XIII-2166 of 6 June 2019), *engineering infrastructure in the shore protection strips of surface water bodies*

Installation is prohibited. The installation of the wind farm is planned outside the coastal protection zone established for the Plaušmirkis River: the distance from the planned VE15 to the coastal protection zone is approximately 55 m, and from VE13 – 40 m.

Activities in the planned area will be developed without violating the requirements for surface water body protection zones and coastal protection strips set out in Articles 99 and 100 of the Law on Special Land Use Conditions of the Republic of Lithuania (Fig. 3.7.1).



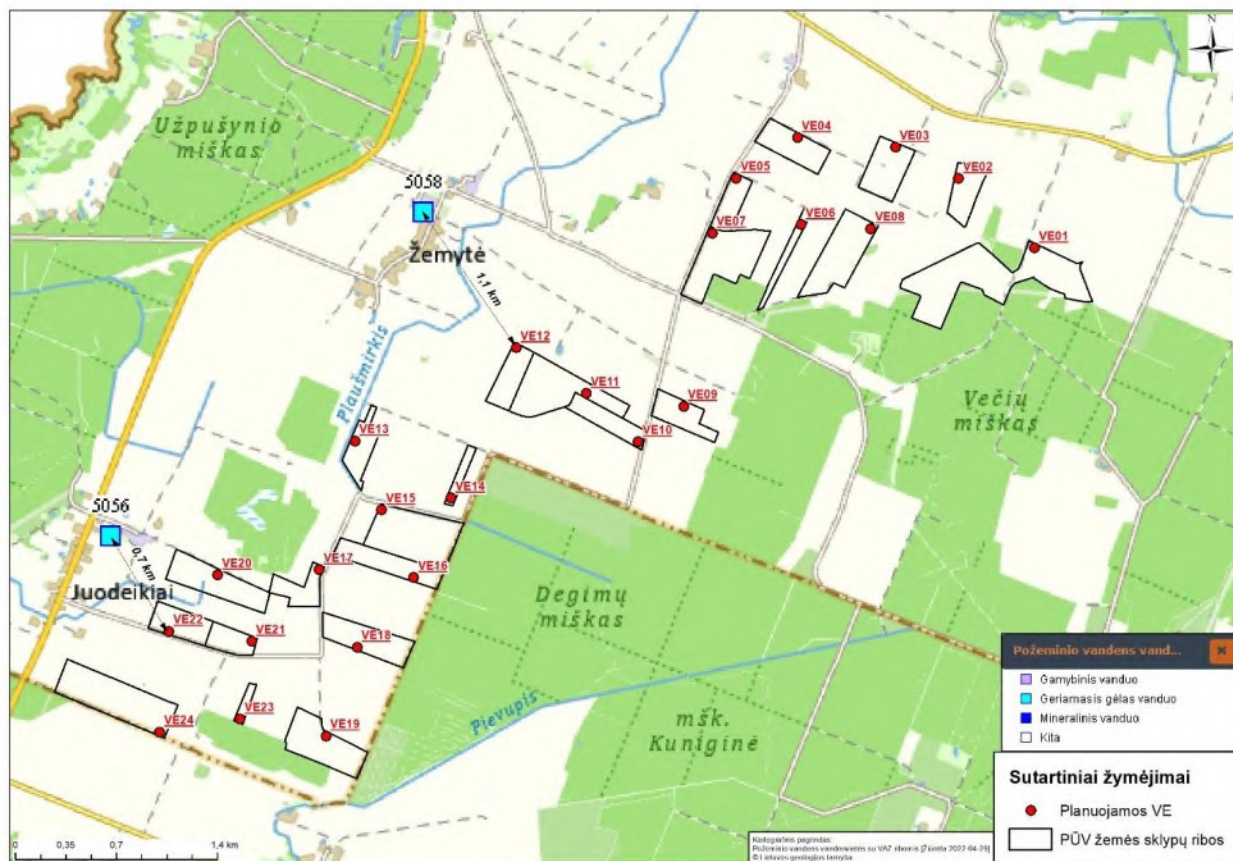
3.7.1 Fig. Information on surface water body protection strips and zones.

Electricity transmission cable lines are planned to be laid along access roads, with minimal restrictions on agricultural activities in the area.

The Law on Special Land Use Conditions does not regulate the laying of electricity transmission cable lines in surface water body protection strips or zones or their intersection with water bodies. In accordance with Article 20(5) of the Law on Protected Areas of the Republic of Lithuania (No. I-301 of November 9, 1993), roads and engineering networks crossing the shore protection strip of a water body may be constructed in the shore protection strip.

In order to reduce the potential environmental impact of cable laying across water bodies, cable lines will be laid using the push-through method, i.e., river beds will not be disturbed by open excavation. Cable lines running parallel to the river will be laid outside the coastal protection zone.

There are no registered underground water sources on the land plots covered by the PŪV. The distance to the nearest underground drinking water source No. 5056 is 0.7 km. Information on the nearest underground water sources is provided in Fig. 3.7.2.



3.7.2 Fig. Underground water sources.

There are no other environmentally sensitive areas (flood zones, karst regions) in the planned economic activity area.

3.8. Information on past pollution of the planned economic activity area and adjacent land plots or areas, if environmental quality standards were not complied with during economic activities carried out there

There is no information that the area of the planned economic activity and adjacent land plots may have been polluted in the past. There are no potentially polluting enterprises in the area, no environmental monitoring is carried out, and no eco-geological studies have been conducted.

3.9. The location of the land plot or territory of the planned economic activity in relation to recreational, resort, residential, public, industrial, and storage areas, engineering infrastructure areas, indicating the distances from these areas and/or existing buildings to the planned economic activity site

The planned economic activity area is located away from recreational and resort areas. Information on the nearest residential environment and public facilities is provided in Table 3.9.1 and Figures 3.9.1–3.9.2.

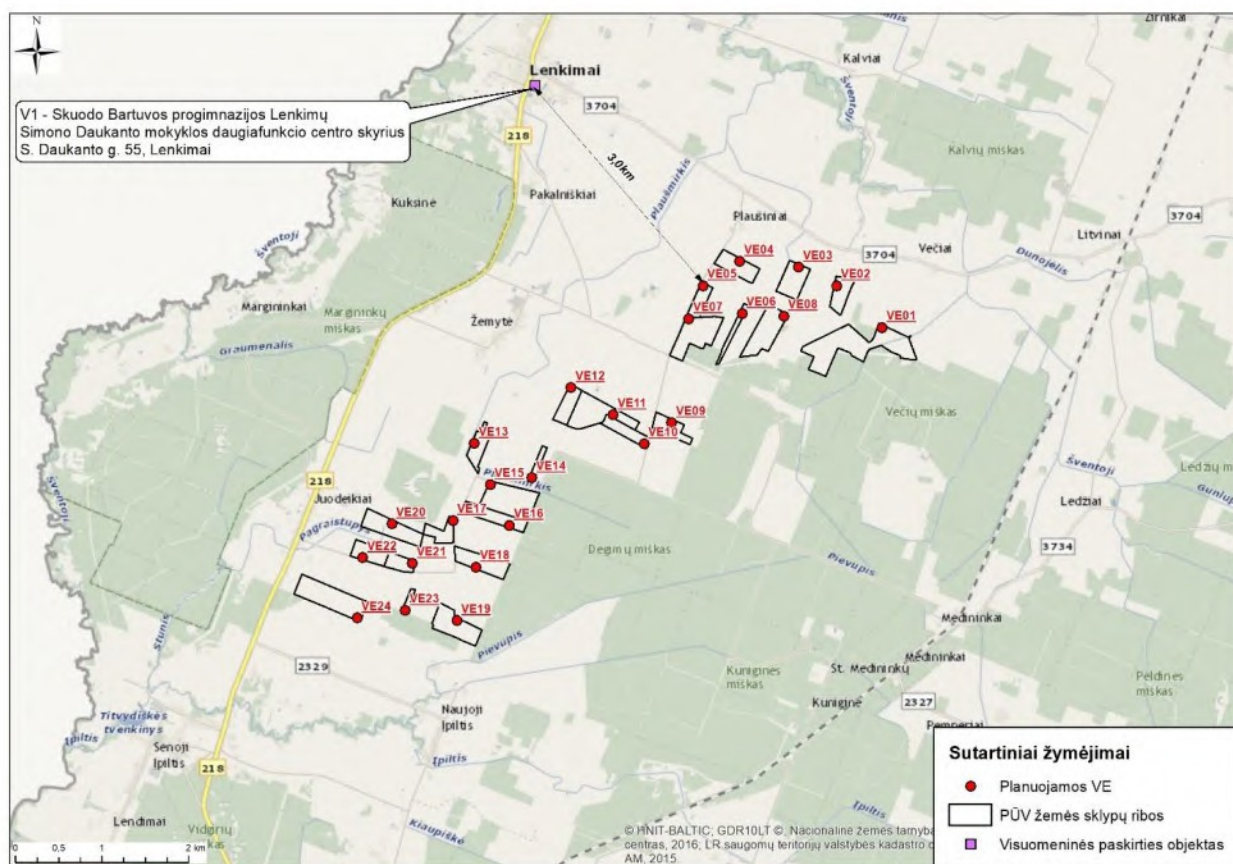
Table 3.9.1. Distances to the nearest residential environment and public facilities

Nearest Residential area	Address	Distance from nearest planned VE
Residential environment		
G	Naujosios Iplities village, Centrinė street 27	605
G	Juodeikių village, Juodeikių street 26	627
G	Juodeikiai village, Juodeikiai street 22	621
G	Juodeikiai village, Juodeikiai street 2	546

Nearest residential area	Address	Distance from the nearest planned VE
G5	Žemytės village, Žemytės street 40	957
G	Plaušinių village, 5	472
G	Plaušinių k. 3	436
G	Večių village 2	884
Public buildings		
V	Bartuvos Progymnasium Lenkimų Simono Daukanto School Multifunctional Center Branch, S. Daukanto St. 55, Lenkimai	4.1 km



3.9.1 fig. Distances to the nearest residential areas.

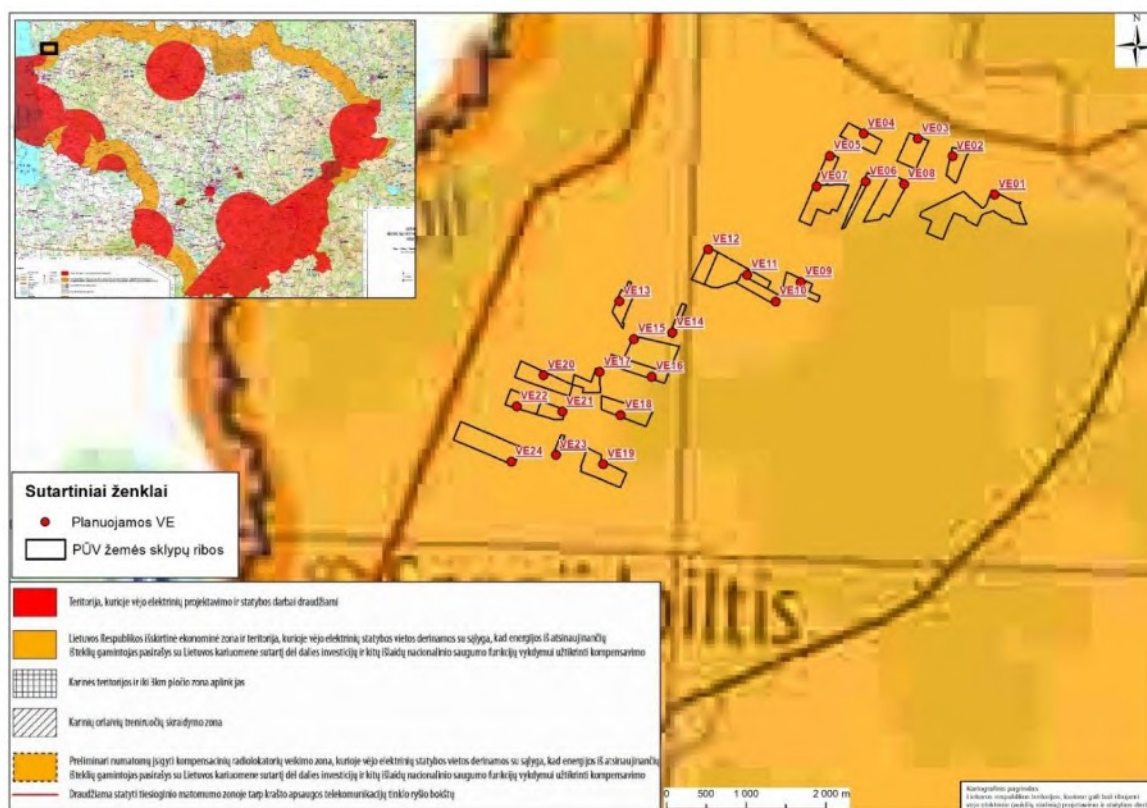


3.9.2 Fig. Distance to public facilities.

There are no industrial or storage facilities in the vicinity of the PŪV.

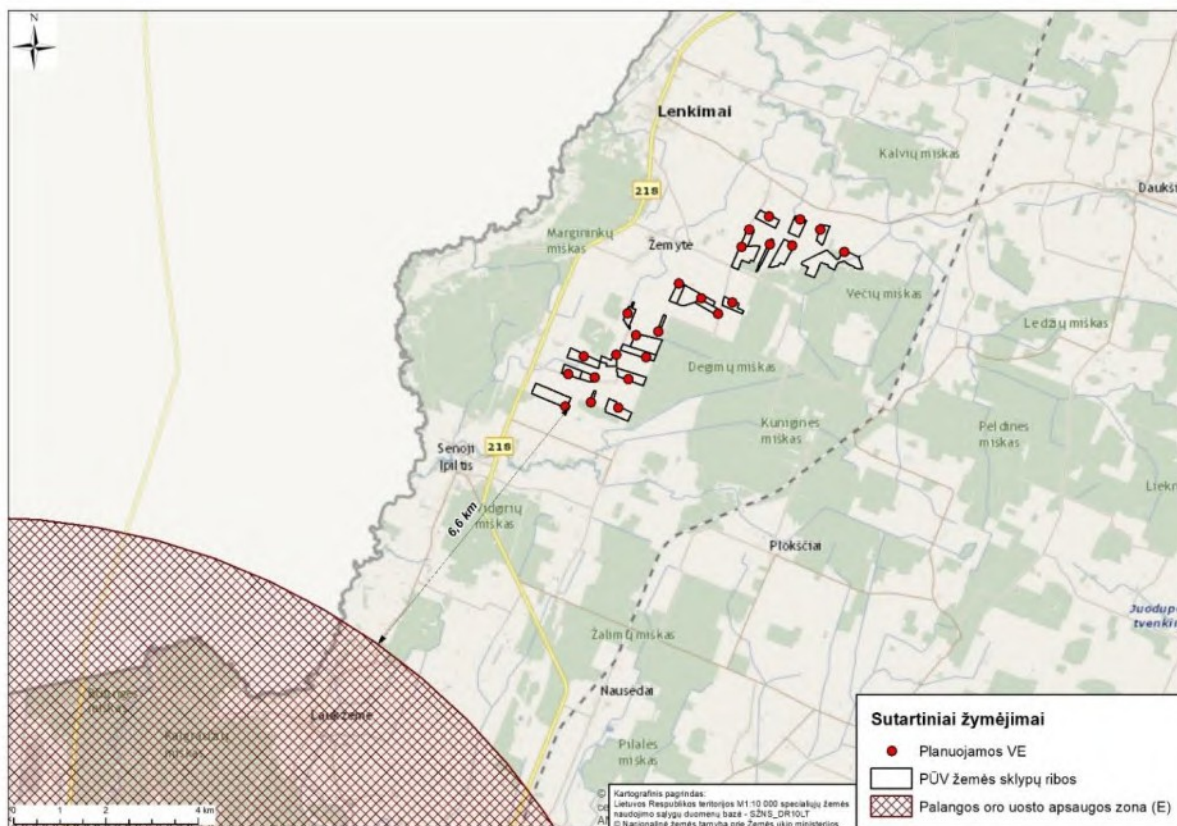
The planned area falls within the territory of the Republic of Lithuania, where, according to the map approved by Order No. V-217 of the Commander of the Lithuanian Armed Forces on February 15, 2016, the construction of the VE is coordinated on the condition that the producer of energy from renewable sources signs a contract with the Lithuanian Armed Forces. V-217 of the Commander of the Lithuanian Armed Forces on February 15, 2016, the construction sites of the VE are coordinated on the condition that the renewable energy producer signs an agreement with the Lithuanian Armed Forces on compensation for part of the investments and other expenses incurred in ensuring the performance of national security functions (Fig. 3.9.3). Appendix 6 contains the letter KVS-352 of the Lithuanian Armed Forces dated 6 June 2022, which approves the installation of the VE in the analyzed area.

The distance from the PŪV territory to the boundary of the Palanga Airport protection zone (E) is approximately 6.6 km.



3.9.3 Fig. Location of the PŪV in terms of areas in the Republic of Lithuania where the design and construction of wind farms (tall structures) may be restricted (source: map approved by Order No. V-217 of the Commander of the Lithuanian Armed Forces of 15 February 2016).

Order No. V-217).



3.9.4 Fig. Location of the PŪV in relation to the Palanga Airport security zones.

3.10. Information about immovable cultural heritage sites registered in the Cultural Heritage Register, their protection regulations and zones, and the distance from the planned economic activity site

There are no cultural heritage assets registered on the land plots of the planned economic activity. Information on the nearest registered immovable cultural heritage assets is provided in Table 3.10.1.

3.10.1 Table Information on the nearest cultural heritage sites (Cultural Heritage Register. Available online: <http://kvr.kpd.lt/#/static-heritage-search>, 2022-04-06).

Code	Name	Address	Area	Protection zone	Distance to planned park
27081	Ancient settlement of Įpiltis	Kretinga district, Darbėnai municipality, Naujosios Įpilties village	KVR object: 40500.00 sq. m	-	1.1
30301	Ancient settlement of Žemytė	Skuodas district, Lenkimai parish, Žemytės village,	KVR object: 7727.00 sq. m	Physical protection zone: 7805.00 sq. m	1.5

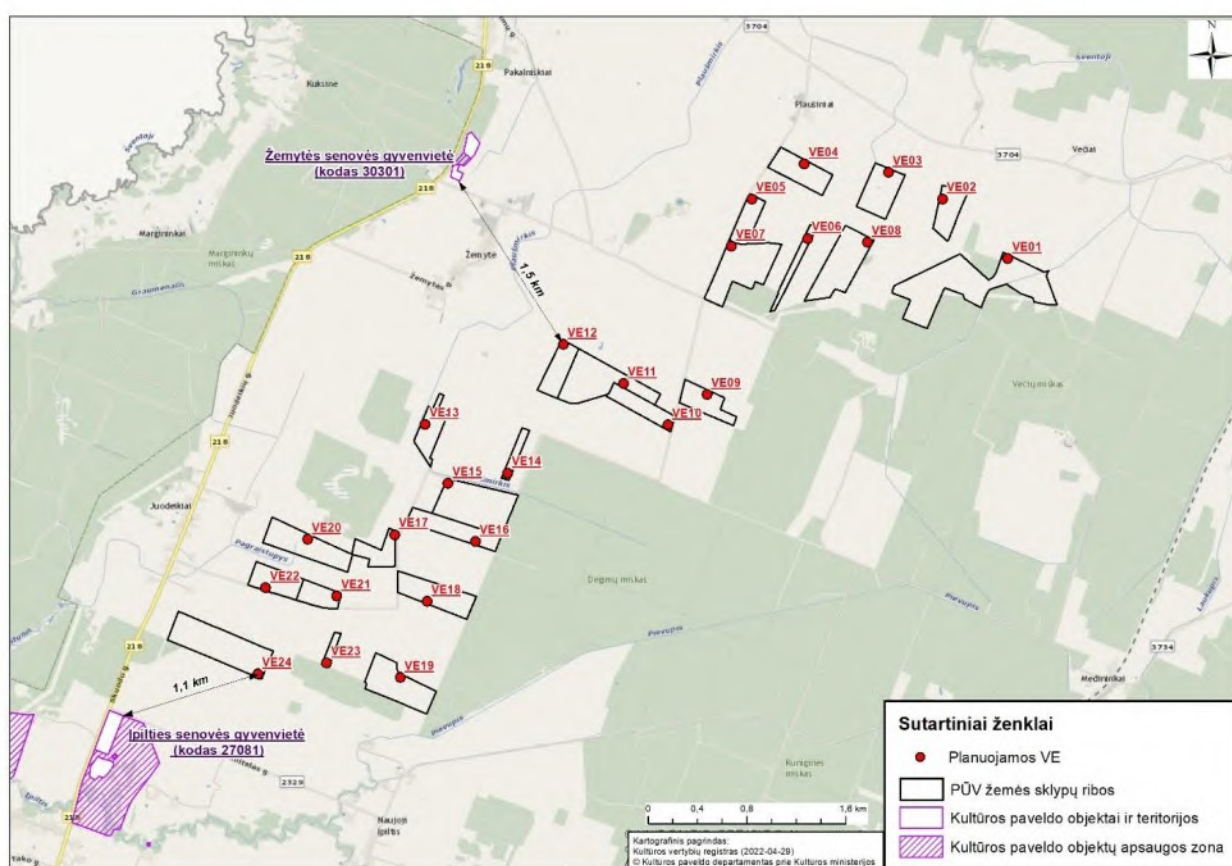


Fig. 3.10.1. Nearest registered cultural heritage sites.

The PŪV will not have a negative impact on registered cultural heritage sites.

4. TYPES AND DESCRIPTION OF POSSIBLE ENVIRONMENTAL IMPACT

4.1. Impact on residents and public health, including possible impact on the residential, recreational, and social environment due to physical, chemical, biological pollution, and odors

The main factors analyzed in the VE that may pose a risk to human health are noise, shadows, infrasound, and electromagnetic radiation. Both quantitative (noise, shadows) and descriptive assessment, based on studies of similar objects (infrasound) and foreign scientific research (electromagnetic radiation), showed that the PŪV will not have a significant impact/risk to human health.

The results of the calculation of noise dispersion affected by the operation of wind farms show that the predicted noise indicator affected by the operation of wind farms in the nearest residential environment does not exceed the maximum permissible noise limits established in Lithuanian hygiene standard HN 33:2011 "Noise limits in residential and public buildings and their surroundings" for residential and public buildings and their surroundings during all three periods of the day.

According to the shadow analysis, the annual shadow flicker duration of 30 hours may be exceeded in the vicinity of residential farmsteads G2, G3, G4, G6, and G7. This exceedance is influenced by: in the vicinity of farmsteads G2, G3, and G4 – VE20, VE22; in the vicinity of farmstead G6 – VE04, VE05, VE07; and in the vicinity of farmstead G7 – VE04, therefore, shadow reduction measures must be applied in these VE. After assessing the duration of shadowing in the specified VE and applying shadow reduction measures in the residential farmstead area (G1–G8) after applying shadow reduction measures, no exceedances of the maximum permissible number of shadow hours (30 hours per year (according to German standards)) were found.

According to scientific research, wind turbines do not generate infrasound levels that could have a negative impact on public health. Modern wind turbines cause pulsations that can be analyzed as infrasound, but these are typically between 50 and 70 dB, well below the impact threshold. When analyzing the environmental impact of modern wind turbines, infrasound can be disregarded as insignificant.

The intensity of the electromagnetic field generated by wind power plants in the immediate vicinity of the power plant generators does not exceed the maximum permissible values according to HN 104:2011 "Safety of residents from electromagnetic fields generated by power lines."

Chemical air pollution is only possible during the installation of wind turbines and during the operation of machinery and mechanisms with internal combustion engines, when internal combustion engine gases are emitted into the ambient air. This impact will be local – only at the place of operation of machinery and mechanisms, temporary, episodic – only during the operation of machinery and mechanisms, and therefore will not have a significant impact on residents and public health.

4.2. Impact on biological diversity, including possible impact on natural habitats due to their occupation or other types of destruction, damage or fragmentation, changes in the hydrological regime, forest fragmentation, destruction of vegetation, etc.; possible reduction in the area of natural habitat types, disappearance or damage to protected species, their habitats and breeding sites, possible significant impact on animal feeding, migration, breeding or wintering

The planned economic activity is envisaged in areas where agricultural activity is currently carried out.

During the implementation of the project, natural habitats will not be built on or otherwise destroyed, damaged or fragmented. The land plots under analysis have been drained, therefore the installation of the wind farm will not affect changes in the hydrological regime. No forest clearing or fragmentation is planned. The area of natural habitat types will not decrease.

Based on the specific nature of the activity, the main impacts of the installation and operation of the wind farm on birds and bats are likely to be due to direct collision with the wind turbines, disturbance, habitat change or loss.

According to SRIS system data, the following species have been observed in the vicinity of the PŪV territory: the hen harrier (*Circus cyaneus*) (2014-12-03) and the lynx (*Lynx lynx*) (1993-05-05). White stork nesting sites have been identified nearby (at a distance of 450–740 m).

According to VENBIS project data, the northern and southwestern parts of the analyzed territory are assessed as highly sensitive areas in terms of bird species. The common buzzard and the hen harrier were observed in the northern part, while the hen harrier and the gray heron were observed in the southwestern part. The analyzed area was not thoroughly investigated for bats during the VENBIS project. The neighboring areas where VENBIS surveys were conducted are classified as low and medium sensitivity areas.

Bird and bat observations were carried out in the PŪV area in the spring of 2022. A total of 4,471 individuals of passing and migrating birds were counted in April–May 2022,

belonging to 39 species. Of these, three species are classified as near threatened according to the IUCN classification. According to the list in Annex 1 of the EU PD, eight bird species were observed, and according to the LSRS, eight bird species were observed. The most numerous birds flying over the territories were passerines (47.8%) and seed-eaters (42.2%), while birds sensitive to the impact of wind turbines, such as corvids and cranes, accounted for 4.7% of all bird migrations observed.

Birds flew across the planned wind farm mostly from the southwest to the northeast. Most of the birds recorded were passerines and seed-eaters, which fed in flocks above the fields and flew from one field to another. Birds of prey also used agricultural fields during tillage. Bird species sensitive to the impact of wind farms (white storks, cranes, and birds of prey) mostly flew over the planned wind farm sites, between the nearby forests.

About 50% of storks and cranes flew at an altitude of 40 to 250 meters. 50.9% of white stork flights and flights took place at a sensitive altitude (possible impact of wind turbines). 34% of gray herons were recorded flying at an altitude of 40–250 meters. Birds of prey flew in a fairly even distribution, but there were very large differences between species. Approximately 40% of birds flew at sensitive altitudes. In the group of seed-eating birds, approximately 60% flew at 40–250 m, while almost all geese flew at 40–250 m. A few percent of geese flew up to 40 m, and the rest at an altitude of 40–250 m. About 90% of passerines flew up to 40 m, and the rest at an altitude of 40–250 m.

Two flocks of white storks (23 and 15 individuals) were observed in the wind farm area, near the planned wind turbine sites. Seed-eating birds formed numerous flocks near three planned wind turbines. Sparrow flocks were also numerous, but only one of them was near the planned wind farm site. Birds tended to use areas where food resources were more readily available and agricultural work was being carried out. After plowing, the areas attracted birds of prey and seed-eating birds.

White storks, common buzzards, harriers, common snipes, partridges, and common woodpeckers were recorded breeding in the area and its vicinity. Six of the planned wind farm sites are located at a sensitive distance from the nesting sites or nesting areas of bird species sensitive to the impact of wind farms: VE01, VE04, VE09, VE16, VE17, and VE20. VE01, VE16, VE17, and VE20 are located within a sensitive distance from the nesting areas of the common buzzard, VE04 is located within the nesting areas of the white stork, and VE09 is located within the nesting areas of the black kite. VE16, which falls within the sensitive areas of two common buzzard nesting sites, may be most affected.

During the breeding season, four species of bats were recorded in the monitored area, with the northern bat being the most abundant. According to the list of protected species in Lithuania, one species was observed – the late bat. Individual specimens of other species were recorded: the late bat, the brown long-eared bat, and Natuzio's pipistrelle. Bat calls were most frequently recorded in the Degimai and Marginikai forest edges (northern and late bats) and in settlements – northern and late bats were recorded in large numbers in Žemytė, while in Lenkimai, late bats and brown long-eared bats were recorded, where they find suitable food – a variety of insects. The planned area where the wind farms will be built is relatively sparsely populated and dominated by agricultural land where monocultures are grown: rapeseed, various cereal crops, legumes, etc. There are no large bodies of water in the area, which are necessary for some bat species. Observations show that during the breeding season in the planned wind farm area, all bats are observed near settlements, and collisions between local bats and wind turbine rotors should not occur or only in isolated cases with no significant impact on the local population.

Possible impact of the planned economic activity on birds and bats and recommendations for mitigation measures

A bird and bat monitoring program is planned to be prepared and agreed upon to assess the impact of the wind farm on migratory and breeding birds and breeding and migratory bats. The program must cover at least one year prior to the construction or commissioning of the VE and three years after the commissioning of the VE. Once operations commence, monitoring of bird and bat mortality will be carried out to determine the significance of the potential impact of the specific wind farm and to propose the most effective measures to prevent, reduce to insignificant levels, or compensate for the impact. Subsequent monitoring studies will be repeated every 5 years.

Measures to reduce the impact on birds and bats:

- For wind farms located less than 200 m from the forest, in order to reduce potential bat mortality (if such an impact is identified during monitoring), Increase the minimum wind speed (which is 3.5 m/s in most wind turbine models) at the start of wind turbine operation to 5.5–6 m/s during the bat breeding and migration period, applying this measure from sunset to sunrise.

migration periods, applying this measure from sunset to sunrise. The measure must be adjusted after monitoring after each sensitive wind farm.

- To reduce the negative impact on birds of prey, stop the operation of wind turbines for 3 days (during daylight hours) during agricultural work (mowing, plowing, threshing, etc.) in April–September if the work is carried out in the following areas: in fields up to 500 m away from the VE, VE operation may be suspended during the day, during the most active period of birds of prey, from 10:00 to 16:00, during agricultural work and for 3 days after.
- Contribute to the conservation of rare and vulnerable bird species by monitoring and observing them using remote telemetry devices. Fit 2–4 telemetry devices (transmitters) to birds sensitive to the impact of wind turbines (birds of prey) nesting in the vicinity and monitor the movement of sensitive species and the areas they use before and after the construction of wind turbines. This will provide knowledge about possible ways of managing conflicts arising from wind farm operations and allow the accumulated knowledge to be applied in practice to reduce the impact on bird species sensitive to wind farms by determining the wind farm shutdown period, dangerous flight altitudes and other effective measures to prevent bird collisions with the VE;
- Changing feeding habitats near wind farms to make them less attractive to bird or bat species sensitive to wind farms. And restoring natural habitats in cultivated fields further away from wind farms to make them attractive to birds of prey. These measures could only be implemented if the owner of the wind farm had the rights to use these land plots.
- Installation of artificial nesting and breeding sites. In order to improve nesting conditions for birds of prey, new nesting sites may be installed. To increase the bat population, roosting and breeding boxes may be installed. The work must be carried out outside the VE park in Skuodas district or Kretinga district.
- Compensatory measures contributing to the conservation and restoration of species sensitive to the impact of the VE throughout the territory of Lithuania.

4.3. Impact on protected areas and Natura 2000 sites

The planned wind farm is located in areas of intensive agriculture that are not characterized by high biological diversity, but there are protected areas and Natura 2000 sites in the surrounding areas.

4.3.1 Table Assessment of the potential impact on the values of protected areas and Natura 2000 sites

Protected area	Protected values	Description of the potential impact of the PDP
Natura 2000 BAST Večių Forest	Habitats of European importance: 91E0 Alluvial forests, 9070 Wooded pastures, 6410 Melvenynai	These habitats are spread over an area of 15.45 ha on both sides of the upper reaches of the Šventoji River, about 1.1 km from the PŪV site. The protected values are exclusively related to the habitat. There will be no impact, as the protected values cannot be affected by the PŪV.
Margininkai	Margininkai Flora and fauna of the Šventoji river banks	The distance from the PŪV site to the boundary of the protected area is 1.3 km. The habitats of protected plants (blue moor grass, Baltic, red and spotted heath) are only associated with the protected habitats of , , where the activities of is not planned and no negative impact is expected.
Natura 2000 BAST Šventoji River Valley near Margininkai II	6270 Species-rich grasslands; 6510 Mesophytic hay meadows; 9010 Western taiga; 9050 Herb-rich spruce forests; 91D0 Bog forests	The distance between the PŪV site and the protected habitats is 1.7 km, and no negative impact is expected.
"Natura 2000 BAST Šventoji River Valley Marginal	6270 Species-rich grasslands; 6510 Mesic meadows; 6450 Alluvial meadows; 6530 Wooded meadows	The distance from the PŪV site to the protected habitats is 2.6 km , negative impact is not expected.
Natura 2000 BAST Senosios Ipaties surroundings	6430, Eutrophic tall grasslands; 6450, Alluvial meadows; 6510 Mowed mesophytic meadows; Smooth newt	The distance between the PŪV site and the protected habitats is 3.0 km, and no negative impact is expected.
Sudėnai Botanical and zoological reserve	to preserve the section of the Šventoji River valley, which is characterized by a high diversity of ecotopes	The protected values are related exclusively to the habitat, which is located at a distance of approximately 5.3 km.

Protected area	Protected values	Description of the possible impact of the planned activity
	with plant and animal species listed in the Lithuanian Red Book	No impact, protected values cannot be affected by the PŪV.
Natura 2000 BAST Sudėnų meadows	6410, Melvenynai; 6430, Eutrophic tall grasslands; 6450, Alluvial meadows; 7230 Species-rich elk	The distance from the PŪV site to the protected habitats is 5.3 km, and no negative impact is expected.
Salantai Regional Park	to preserve the landscape of the Erlos–Salanto–Minijos senslėnis and its surroundings, its natural ecosystem and cultural heritage values	There will be no impact, as the protected values cannot be affected by the PŪV. The distance of 7.1 km is sufficient to ensure that the VE will not have an impact on these protected areas.
Erlos geomorphological reserve	To preserve the fluvioglacial Erlos senslėnis with the Igarių and Erlėnų boulder fields and Alko Mountain, protected habitats of corncrakes and growth sites of keyflower;	

Based on the data collected, it can be concluded that no significant negative impact on the nearest protected areas and the habitats protected therein is expected.

4.4. Impact on land and soil, for example due to chemical pollution; due to the planned large-scale earthworks; extensive use of natural resources; change in the main land use

During construction works (construction of the power plant, technical infrastructure, yards, access roads, and cables), there may be a short-term impact on the subsoil and soil due to earthworks. It is estimated that approximately 0.3 ha of land will be required for the installation of one VE. During the construction of yards, access roads, and cables, the fertile soil layer will be moved to piles, stored, and used for landscaping after the completion of construction and installation works.

There will be no impact on the soil during the operation of the wind turbines. No significant negative impact on the land and soil is expected from the analyzed object.

The only natural resource that will be used is wind energy, and no negative impact due to the extensive use of natural resources is expected.

Only the legal formalities for the land plots for the operation of the wind farm will be completed: the land plots will be divided, and the purpose of the part of the land plot where the wind farm will be built will be changed to "Other."

4.5. Impact on water, surface water protection zones and/or coastal protection strips, the marine environment

The PŪV will not affect water use or the generation of domestic or industrial waste.

The planned locations of VE13 and VE15 fall within the boundaries of the Plaušmirkis stream protection zone: the distance from the planned VE15 to the coastal protection strip is approximately 55 m, and from VE13 – 40 m.

In accordance with the requirements of Article 100(4) of the Law on Special Land Use Conditions, the installation of engineering infrastructure (wind farms) in the coastal protection zones of surface water bodies is prohibited, therefore the locations of the wind farms have been selected outside the protection zone.

The Law on Special Land Use Conditions does not regulate the laying of power transmission cable lines in protection strips or zones of surface water bodies or their intersection with water bodies. In accordance with Article 20(5) of the Law on Protected Areas (No. I-301 of November 9, 1993), roads and engineering networks crossing the shore protection strip of a water body may be constructed in the shore protection strip.

In order to reduce the potential impact of cable laying on the environment, the cable line will be laid across surface water bodies using a closed push-through method, i.e., the riverbed will not be disturbed by open excavation.

Economic activity will be planned in accordance with all restrictions set out in the Special Land Use Conditions and in accordance with the requirements of Article 20 of the Law on Protected Areas of the Republic of Lithuania.

State-owned land improvement and drainage systems are registered on the land plots analyzed in the PŪV. If necessary, the land improvement facilities will be relocated during the construction of the VE without damaging their system, so the installation of the VE will not affect the existing hydrological regime.

4.6. Impact on air and climate (e.g., ambient air quality, microclimate)

During construction, there may be temporary and local effects on air due to pollution from exhaust gases emitted by internal combustion engines of machinery and equipment. There are no sources of air pollution during the operation of the PŪV.

Wind energy is a renewable energy source, the use of which reduces the consumption of fossil fuels and, consequently, CO₂ and other pollutants emitted into the ambient air during fuel combustion.

4.7. Impact on the landscape, characterized by aesthetic, immovable cultural or other values, recreational resources, especially visual impact due to changes in landforms (e.g., lowering, raising, leveling), impact on the natural framework

The planned facility is located in areas surrounded by agricultural land. There are no landscape reserves or other valuable landscape features in the vicinity of the areas where wind farms are planned. No changes in the relief are expected.

When assessing the visual structure and nature of land use in the vicinity of the territory, it can be stated that the territory under consideration falls within the category of intensively used landscapes. The planned economic activity will result in the appearance of dominant vertical elements in the landscape, which will be clearly visible from a distance in the prevailing landscape with a weak vertical component.

According to the list of the most valuable landscape viewpoints in the country, the nearest landscape viewpoint – Imbarės piliakalnis (viewpoint) – is located about 19.4 km from the analyzed VE park.

Using the visual impact ZVI module, the area in which the vertical viewing angle of a 252 m high wind farm could exceed the 2.80° limit is calculated to be about 5.1 km from the wind farm. There are no important landscape viewpoints at this distance. According to the assessment, the installation of the wind farm will not have a significant impact on the visual aesthetic potential of the landscape.

The following measures are planned to reduce the visual impact:

- VE layout on the planned plots without violating the regulations of the cultural heritage protection zone;
- preservation of the fertile soil layer that has been removed, using it to restore damaged land;
- Planning of power cable routes for the connection of wind turbines so that no forest clearing is required.
- The locations of the VE towers and internal access roads will be selected in such a way as to preserve the field groves and groups of trees in the area.

4.8. Impact on material assets

No negative impact on material assets is expected from the planned economic activity, construction, and further operation. No real estate (land, buildings) will be expropriated for public needs, and no impact on buildings due to noise caused by the activity is expected due to the planned restrictions on the use of real estate.

4.9. Impact on immovable cultural heritage

There are no registered cultural heritage assets on the land plots where the planned economic activities will take place. The nearest registered immovable cultural heritage asset is the ancient settlement of Įpiltis (unique object code 27081), located 1.1 km west of the nearest VE24.

No activities are planned in the territories of cultural heritage objects and protection zones that could physically damage the valuable properties of cultural heritage objects or obstruct the view of cultural heritage objects.

During the construction of the VE park, there may be an impact on unregistered cultural heritage if such heritage is discovered during earthworks at the VE installation sites, access roads, or underground electrical cable routes.

During the construction of the VE park involving excavation work, if any archaeological finds are discovered, the municipal heritage protection department must be notified, which will inform the Department of Cultural Heritage, as specified in Article 9(3) of the Law on the Protection of Immovable Cultural Heritage of the Republic of Lithuania.

4.10. Possible significant impact on the interaction of all factors analyzed

According to the analysis of the impact of the PŪV on various environmental components, the PŪV will not have a significant impact on the interaction between the environmental factors examined.

4.11. Potential significant impact on the environmental factors analyzed, determined by the vulnerability risk of the planned economic activity due to extreme events

The impact of the PŪV on the environmental factors analyzed due to vulnerability risk and extreme events is unlikely.

Extreme situations may cause accidents, i.e., collapse of towers or blades, collapse of the upper part of the tower together with the blades and rotor, etc., which could affect the immediate environment and cause danger in the vicinity of the tower.

4.12. Possible significant transboundary environmental impact

The distance from the PŪV territory to the state border with Latvia is 3.0 km.

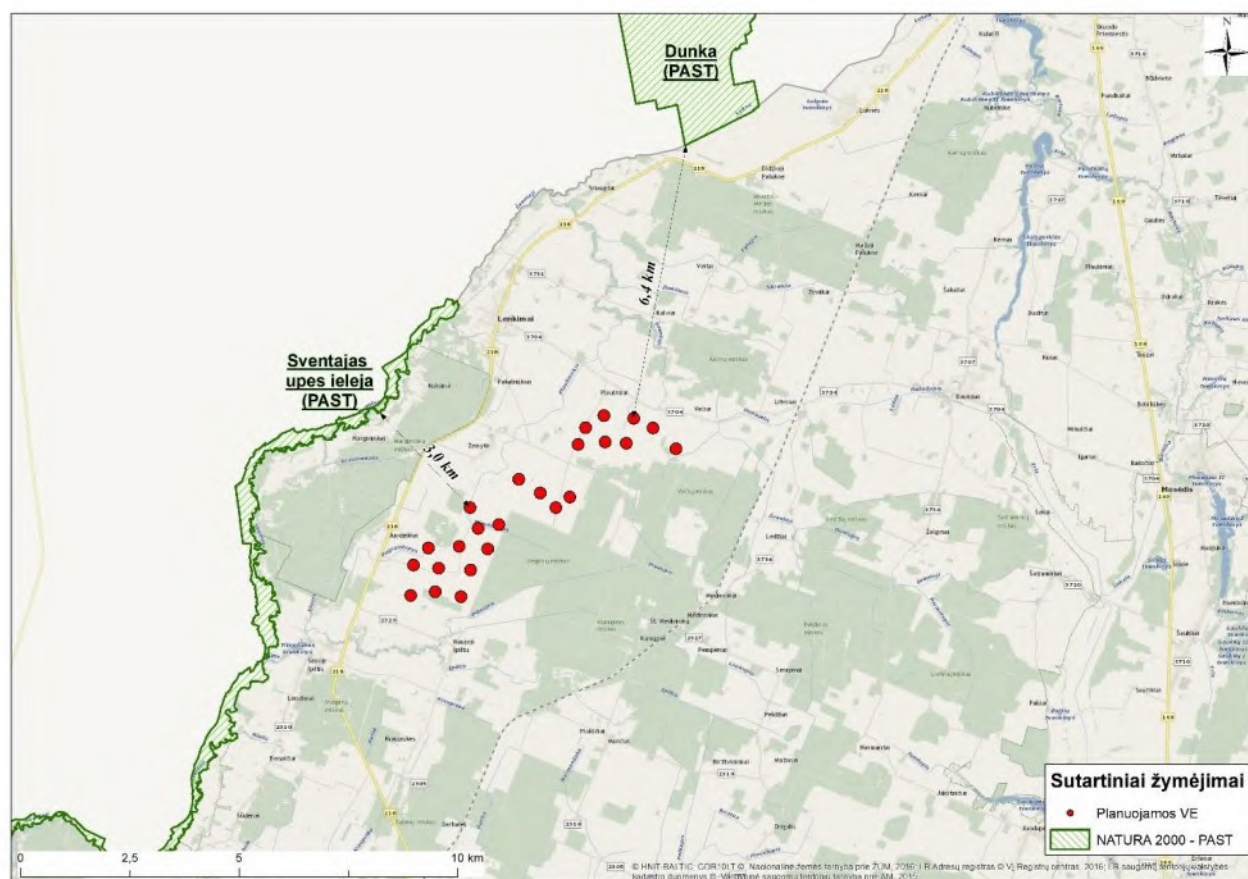
The noise impact of the planned economic activity will be reduced to non-hazardous limits at a distance of 275–374 m from the VE installation sites. The shadowing impact, after applying mitigation measures, will not exceed the permissible values in the nearest residential farms located 436–957 m from the VE. No significant transboundary impact is expected in this respect.

No impact on surface water (the Šventoji River, which flows through the territories of Lithuania and Latvia, and its tributaries) is expected, as no hazardous chemicals or mixtures are planned to be used or stored at the planned economic activity site, and the VE will only be installed outside the established coastal protection zone. No significant transboundary impact is expected in this respect.

The analyzed land plots do not border any protected areas or NATURA 2000 sites, and the nearest protected areas (Margininkai Botanical-Zoological Reserve) and NATURA 2000 sites (Večių Forest, BAST; Sudėnų Meadows, BAST; Senosios Įpilties apylinkės, BAST) are located at a distance of 1.1–5.3 km from the planned economic activity site.

Within a 10 km radius of the VE park, there are two areas important for bird protection in the territory of the Republic of Latvia:

- PAST Sventajas river valley – 3.0 km away from the PŪV;
- PAST Dunka – 6.4 km from the PŪV.



4.12.1 Distances to the nearest areas important for bird protection in the Republic of Latvia.

The Sventajų River Valley is home to bird species such as the bittern, the corncrake, the white-tailed eagle (a species sensitive to the impact of VE), the cormorant, the middle spotted woodpecker, the black woodpecker, the grey heron (a species sensitive to the impact of VE), the common buzzard, the lark, and the spotted crane.

PAST Dunka protected species include the white-fronted goose and the bean goose (species sensitive to the effects of VE), the hoopoe, the black stork (species sensitive to the effects of VE), white-backed woodpecker, middle spotted woodpecker, black woodpecker, starling, lesser spotted woodpecker, grey heron (species sensitive to the effects of VE), green woodpecker, grey woodpecker, corn bunting, black grouse, corncrake, and wood sandpiper.

According to VENBIS project data ²⁰, the sensitivity distances for target bird species sensitive to the effects of VE are as follows: white stork – 500 m; grey heron – 2000 m; black stork – 2000 m; white-fronted goose and bean goose – 500 m.

Areas important for bird protection located in Latvia are further away than the sensitivity distances established for the protection of sensitive bird species, therefore no significant negative impact is expected in this respect.

4.13. Measures planned to prevent or mitigate any significant adverse effects on the environment

One of the preventive measures for reducing environmental impact is proper land-use planning, where a suitable area is selected for development, and its suitability is assessed when preparing land-use planning documents (general plans or special plans) according to the specific characteristics of the area, landscape, activities carried out, and other aspects. In accordance with the special plan for the development of alternative energy sources (wind and solar power plants) in the territory of Skuodas District Municipality and the recommendations for reducing negative impacts at the national, municipal, individual wind farm, and species levels presented therein.

²⁰Recommendations for mitigating negative impacts at the level of the country, individual municipalities, individual wind farm territories or types. 2017. Pajūrio tyrimų ir planavimo institutas (Pajūrio Research and Planning Institute). Available online: http://corpi.lt/venbis/files/reports/VENBIS_3_2_1.pdf

The decisions show that the planned RE sites fall within the wind farm areas planned in the Skuodas district master plan.

An important aspect of planning is the appropriate layout of wind farms on specific plots of land. When selecting wind farm sites, an important factor is the layout of the wind turbines in relation to each other in order to make optimal use of the wind and generate maximum amounts of electricity. In addition to this energy analysis, when selecting locations for wind turbines on the analyzed land plots, attention was paid to the existing land use – wind turbines are located on the edges of plots, thus reducing restrictions on existing activities and reducing the length of access roads that need to be built on cultivated land.

The following environmental impact mitigation measures are planned during the implementation of the PŪV:

No	Environmental component	Measure	Implementation stage
1	Water	In the planned land plots, VE will be located outside the protection zones of surface water bodies.	Planning stage
		In order to reduce the potential environmental impact of cable laying across water bodies, underground cables will be laid across surface water bodies using a closed pipe method, i.e., the stream bed will not be disturbed by open excavation.	Construction
		During the installation of the VE, drainage facilities will be relocated as necessary without damaging their system.	Construction
2	Soil	During the installation of the VE, the construction of the transformer substation, the laying of cables, and the construction of access roads, the fertile layer of soil () with a depth of will be removed and stored in a designated place. stored in a designated location.	Construction work
		Upon completion of the VE park construction, the work area will be cleaned up, the remaining soil will be evenly distributed throughout the territory, and the fertile soil layer will be spread throughout the park territory and planted. xml-ph-0002@deepl.internal and planted.	Construction work
3.	Landscape	The routes of the VE connection cable lines have been selected so as not to involve the felling of trees or other vegetation.	Planning stage
		The locations of the VE towers and internal access roads have been selected to preserve the small forests, groups of trees and individual trees growing in the area. The planning stage for the construction of the wind farm has been completed.	Planning stage
		The fertile soil layer that has been removed will be used to restore damaged land.	Construction works
4	Public health	Construction work will be carried out only with technically sound machinery whose noise level does not exceed STR 2.01.08:2003 "Control of noise emitted into the environment by equipment used in outdoor conditions" (approved by Order No. 325 of the Minister of the Environment of the Republic of Lithuania on June 30, 2003) equipment.	Construction work
		The construction of the VE park is planned to be carried out only on working days during daytime hours.	Construction work
		According to the shadow analysis, the annual shadow flicker duration may exceed 30 hours in the vicinity of residential farmsteads G2, G3, G4, G6, and G7. This exceedance is influenced by: in the vicinity of farmsteads G2, G3, and VE04, VE05, VE07 in the vicinity of farmstead G6; and VE08 in the vicinity of farmstead G7.	Operation

No.	Environmental component	Measure	Implementation stage
		in the environment – VE04, therefore shadowing reduction measures must be applied in these VEs.	
5	Socio-economic environment	Existing field roads that will be used for the installation and maintenance of the VE will be reinforced as necessary: graded, existing potholes will be filled, and the gravel surface will be renewed. Local roads are maintained periodically.	Construction works/Operation
6	Biodiversity: birds and bats	A bird and bat monitoring program is planned to be prepared and coordinated to assess the impact of the VE park on migratory, nesting, and breeding birds and bats. and migrating bats. The program shall cover at least one year prior to the construction or commissioning of the VE and three years after the commissioning of the VE. Once operations have started, monitoring of bird and bat mortality will be carried out to determine the significance of the potential impact of the specific wind farm and to propose the most effective measures to prevent, reduce to insignificant levels or offset the impact. Subsequent monitoring studies will be repeated every 5 years.	Planning stage
		When preparing the construction sites for the VE during the peak nesting season for common birds (May–June), no trees or shrubs will be removed, and the surface layer of the meadow will not be mowed, thus protecting the nesting sites of common birds. If vegetation removal is necessary, the plants to be removed must be checked before work begins. If nesting birds or their nests are found, work will be suspended until the young birds have left the nests.	Construction work
		For wind turbines located less than 200 m from the forest, in order to reduce the potential mortality of bats (if such an impact is identified during monitoring), Increase the minimum wind speed (which is 3.5 m/s in most wind farm models) at the start of wind farm operation to 5.5–6 m/s during the bat breeding and migration period, applying this measure from sunset to sunrise. The measure must be adjusted after monitoring after each sensitive wind farm. To reduce the negative impact on birds of prey, stop the operation of wind turbines for 3 days (during daylight hours) during agricultural work (mowing, plowing, threshing, etc.) in April–September if the work is carried out in the adjacent area: in fields up to 500 m away from the wind farm, wind farm operation may be suspended during the day, during the most active period of birds of prey, from 10:00 to 16:00, during agricultural work and for 3 days after. These measures require agreements with farmers using the area to provide information about planned agricultural work. Contribute to the conservation of rare and vulnerable bird species affected by wind turbines by monitoring and observing them using remote telemetry devices. For birds vulnerable to wind turbines nesting in the vicinity birds (birds of prey) 2–4 telemetry devices (transmitters) shall be attached and	Operation

No	Environmental component	Measure	Implementation stage
		Monitor the movement of sensitive species and the areas they use in the area before construction and after the completion of the project. This will provide knowledge about possible ways of managing conflicts arising from the operation of the VE and allow the accumulated knowledge to be applied in practice to reduce the impact on sensitive bird species affected by the VE by determining the VE shutdown period, dangerous flight altitudes and other effective measures to prevent bird collisions with the VE; Changing feeding habitats near wind farms to make them less attractive to bird or bat species sensitive to wind farms. Restoring natural habitats in cultivated fields further away from wind farms to make them attractive to birds of prey. These measures could only be implemented if the owner of the VE had the rights to use these land plots. Installation of artificial nesting and breeding sites. In order to improve nesting conditions for birds of prey, new nesting sites may be established. To increase the bat population, roosting and breeding boxes may be installed. The work must be carried out outside the boundaries of the VE park in Skuodas district and/or Kretinga district. Compensatory measures contributing to the conservation and restoration of species sensitive to the impact of the VE throughout the territory of Lithuania...	

APPENDICES

1 APPENDIX

Declaration

DECLARATION

June 20, 2022

Klaipėda

Organiser of the planned economic activity **UAB Skuodas Wind** declares that the authorized EIA document preparer, **VšĮ Pajūrio tyrimų ir planavimo institutas (Coastal Research and Planning Institute)**, meets the requirements set forth in Article 5(1)(4) of the Law on Environmental Impact Assessment of Planned Economic Activities of the Republic of Lithuania.

The Pajūrio tyrimų ir planavimo institutas employs specialists with higher education or qualifications in a field that corresponds to the specific nature of the environmental impact assessment documents being prepared.

Organiser of the planned economic activity:

UAB “Skuodas Wind”

Director

Andrius Čypas



Preparer of EIA documents:

Public Institution Pajūrio tyrimų ir planavimo institutas

Director

Rosita Milerienė



2 APPENDIX

Extracts from the central database of the Real Estate Register with anonymized data

EXCERPT FROM THE REAL ESTATE REGISTER DATABASE
2022-02-09

1. Property registered in the Real Estate Register:

Registration No.: **44/517589**
Type of register: **Land plot**
Date of conclusion: **2005-12-28**
Skuodo district, Lenkimų sen., Plaušinių k.

2. Real estate:

2.1.

Land
Skuodo district, Lenkimų sen., Plaušinių k.
Unique property number: **4400-0761-2735**
Land plot cadastral number and cadastral area
name: **7520/0003:219 Lenkimų k.v.**
Main purpose of use of the property: **Agriculture**
Land use type: **Other agricultural land**
Land plot area: **33.7000 ha** Total
agricultural land area: **32.2000 ha** Of which: arable land
area: **32.2000 ha**
Forest area registered in the State Forest Register: **0.1082 ha**
Data on the forest area registered in the State Forest Register
Date of submission: **2021-09-15**
Road area: **0.1000 ha**
Water body area: **1.4000 ha**
Area of drained land: **32.2000 ha**
Agricultural land productivity score: **40.9**
Type of measurement: **Land plot formed by preliminary measurements**
Indexed land plot value: **21,195 EUR** Land plot value:
13,247 EUR Average market value:
81,300 EUR
Date of average market value determination: **30 November 2021**
Method of determining average market value: **Mass appraisal**
Date of cadastral data determination: **15 March 2005**

3. Appurtenances of the property from another register: no entries

4. Ownership

4.

Ownership
Owner
Property: **land plot No. 4400-0761-2735, described in section 2.1.**
Basis for registration: **2010-06-29 Transfer and acceptance act No. 161-17**
2010-06-29 State land purchase and sale agreement No. 2233
Entry valid: **From 2010-07-12**

5. State and municipal land trust rights: no entries

6. Other rights in rem:

6.

Right of way (servitude)
Object: **land plot No. 4400-0761-2735, described in section 2.1.**
Basis for registration: **2005-12-02 County Governor's Order No. 13.6-5526**
Area: **0.10 ha**
Entry valid: **From 19 January 2006**

7. Legal facts:

7.

Lease agreement concluded
Tenant
Property: **land plot No. 4400-0761-2735, described in section 2.1.**
Basis for registration: **2021-12-01 Lease agreement No. 5316**
Area: **33.70 ha**
Entry valid: **From 2021-12-03**
Term: **From 2021-12-01 to 2041-12-01**

8. Tags: no entries

9. Territories subject to special land use conditions:

9.

Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II)
Object: **land plot No. 4400-0761-2735, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Land Use Conditions No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **33.70 ha**
Entry valid: **From 2 January 2020**

9.

Surface water bodies (Chapter VI, Section 6)
Object: **land plot No. 4400-0761-2735, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
2019-12-19 Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania
Area: **0.25 ha**

Entry valid: **From 2 January 2020**

9.

Shore protection strips for surface water bodies (Chapter VI, Section 8)

Object: **land plot No. 4400-0761-2735, described in section 2.1.**

Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Land Use Conditions No. XIII-2166**

Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019

Area: **0.72 ha**

Entry valid: **From 2 January 2020**

9.

Surface water protection zones (Chapter VI, Section 7)

Object: **land plot No. 4400-0761-2735, described in section 2.1.**

Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**

2019-12-19 Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania

Area: **0.72 ha**

Entry valid: **From 2 January 2020**

10. Registration of the object and cadastral marks: no entries

11. Register notes and references: no entries

12. Other information: no entries

13. Information on data transaction verification: no entries

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STASĖ ŽEBULIENĖ

EXCERPT FROM THE REAL ESTATE REGISTER DATABASE
2022-02-09

1. Property registered in the Real Estate Register:

Registry No.: **44/1482083**
Type of register: **Land plot**
Date of conclusion: **2012-01-11**
Skuodo district, Lenkimų parish, Plaušinių village

2. Real estate:
2.1.

Land
Skuodo district, Lenkimų sen., Plaušinių k.
Unique property number: **4400-2279-7302**
Land plot cadastral number and cadastral area
name: **7520/0003:281 Lenkimų k.v.**
Main purpose of use of the property: **Agriculture**
Land use type: **Other agricultural land**
Land plot area: **7.2116 ha** Total
agricultural land area: **7.2116 ha** of which: arable land
area: **7.2116 ha** Drained land area: **7.2116 ha**
Agricultural land productivity rating: **41.0**
Type of measurement: **Land plot formed by cadastral measurements**
Indexed land plot value: **4912 EUR** Land plot value:
3070 EUR Average market value:
11000 EUR
Date of average market value determination: **2017-05-11**
Method of determining average market value: **Mass appraisal**
Date of cadastral data establishment: **2011-10-21**

3. Appurtenances of the property from another register: no entries

4. Ownership:
4.

Ownership
Owner
Property: **land plot No. 4400-2279-7302, described in section 2.1.**
Basis for registration: **2013-06-21 Purchase and sale agreement No. 1-3138**
Entry valid: **From 2013-07-04**

5. State and municipal land trust rights: no entries

6. Other rights in rem:
6.

Mortgage
Object: **land plot No. 4400-2279-7302, described in section 2.1.**
Basis for registration: **2017-05-16 Contractual mortgage No. 1-2221**
2017-05-17 IDK No. 20120170037018
Entry valid: **From 2022-01-01**

7. Legal facts:
7.

Joint property of spouses
Item: **land plot No. 4400-2279-7302, described in section 2.1.**
Basis for registration: **2013-06-21 Purchase and sale agreement No. 1-3138**
Entry valid: **From 2013-07-04**

8. Notes

8.
Restriction under the Temporary Law on the Acquisition of Agricultural Land: not to change the main purpose of land use for 5 years
Object: **land plot No. 4400-2279-7302, described in section 2.1.**
Basis for registration: **2013-06-21 Purchase and sale agreement No. 1-3138**
Entry valid: **From 2013-07-04**

9. Territories subject to special land use conditions:
9.

Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II)
Object: **land plot No. 4400-2279-7302, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
2019-12-19 Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania
Area: **7.2116 ha**
Entry valid from: **2 January 2020**

10. Registration of the object and cadastral marks:
10.

Newly formed (registration of property)
Property: **land plot No. 4400-2279-7302, described in section 2.1.**
Basis for registration: **2011-10-21 Real estate cadastral data file No. 619**
2011-12-30 Order No. 15V-(14.15.2.)-915 of the Head of the Territorial Land Management Department of the National Land Service
Entry valid: **From 2012-05-16**

10.
Cadastral measurements performed by (cadastral mark)

UAB "Geodemos planai", company code 300538849

Object: land plot No. 4400-2279-7302, described in p. 2.1.

Basis for registration: 2008-05-07 Qualification certificate No. 2M-M-81

2011-10-21 Real estate cadastre data file No. 619

Entry valid: From 2012-05-16

11. Register notes and references: no entries

12. Other information: no entries

13. Information on data transaction verification: no entries

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EXCERPT FROM THE REAL ESTATE REGISTRY DATABASE
2022-02-09

1. Property registered in the Real Estate Register:

Register No.: **75/8640**
Type of register: **Land plot**
Date of conclusion: **1999-07-21**
Skuodas district, Lenkimai parish, Plaušinių village

2. Real estate:
2.1.

Land
Skuodas district, Lenkimai municipality, Plaušinių village
Unique property number: **7520-0003-0114**
Land plot cadastral number and cadastral area
name: **7520/0003:114 Lenkimų k.v.**
Main purpose of use of the property: **Agriculture**
Land plot area: **9.9300 ha** Total
agricultural land area: **9.8100 ha** of which: arable land
area: **9.8100 ha** Water body area: **0.1200 ha** Drained
land area: **9.8100 ha**
Agricultural land productivity rating: **43.6**
Type of measurement: **Land plot formed by preliminary measurements**
Indexed land plot value: **7179 EUR** Land plot value:
4487 EUR Average market value:
9586 EUR
Date of average market value determination: **2010-10-05**
Method of determining average market value: **Mass appraisal**
Date of cadastral data determination: **1999-07-21**

3. Appurtenances of the property from another register: no entries

4. Ownership:
4.1.

Ownership
Owner
Item: **235/331 of land plot No. 7520-0003-0114, described in section 2.1.**
Basis for registration: **2010-10-08 Purchase and sale agreement No. 11743**
Entry valid: **From 25 November 2010**

4.

Ownership
Owner
Item: **288/993 of land plot No. 7520-0003-0114, described in section 2.1.**
Basis for registration: **2006-07-12 Purchase and sale agreement No. 4016**
2006-07-12 Transfer and acceptance act No. 4018
Entry valid: **From 21 September 2006**

5. State and municipal land trust rights: no entries

6. Other rights in rem: no entries

7. Legal facts:
7.

Joint property of spouses
Item: **235/331 of land plot No. 7520-0003-0114, described in sections 2.1. and 4.1.**
Basis for registration: **2010-10-08 Purchase and sale agreement No. 11743**
Entry valid: **From 25 November 2010**

8. Notes: no entries

9. Territories subject to special land use conditions:

9.

Shore protection strips of surface water bodies (Chapter VI, Section 8)
Object: **land plot No. 7520-0003-0114, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Land Use Conditions No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **0.08 ha**
Entry valid: **From 2 January 2020**

9.

Protection zones for surface water bodies (Chapter VI, Section 7)
Item: **land plot No. 7520-0003-0114, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **0.08 ha**
Entry valid: **From 2 January 2020**

9.

Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II)
Object: **land plot No. 7520-0003-0114, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **9.81 ha**

Entry valid: **From 2 January 2020**

10. Registration of the object and cadastral marks: no entries

11. Register notes and references: no entries

12. Other information: no entries

13. Information about data transaction correction: no records

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EXTRACT FROM THE REAL ESTATE REGISTER DATABASE

2022-02-09

1. Property registered in the Real Estate Register:

Registration No.: 75/9488
Type of register: Land plot
Date of conclusion: 02/02/2000
Skuodo district, Lenkimų sen., Plaušinių k.

2. Real estate:

2.1.

Land
Skuodo district, Lenkimų sen., Plaušinių k.
Unique property number: 7520-0003-0121
Land plot cadastral number and cadastral area
name: 7520/0003:121 Lenkimų k.v.
Main purpose of use of the property: Agriculture
Land plot area: 9.4000 ha Total
agricultural land area: 9.4000 ha of which: arable land
area: 9.4000 ha Drained land area: 9.4000 ha
Agricultural land productivity rating: 49.0
Type of measurement: Land plot formed by preliminary measurements
Indexed land plot value: EUR 8,154 Land plot
value: EUR 5,096 Average market
value: EUR 9,644
Date of average market value determination: 01/02/2013
Method of determining average market value: Mass appraisal
Date of cadastral data determination: 02/02/2000

3. Appurtenances of the property from another register: no entries

4. Ownership

4.

Ownership
Owner
Property: 190/940 of land plot No. 7520-0003-0121, described in section 2.1.
Basis for registration: 2013-05-27 Purchase and sale agreement No. 1-2645
Entry valid: From 2013-06-05

4.

Ownership
Owner:
Object: 750/940 of land plot No. 7520-0003-0121, described in section 2.1.
Basis for registration: 2006-06-14 Transfer and acceptance act No. 3369
2006-06-14 Purchase and sale agreement No. 3367
Entry valid: From 2006-06-19

5. State and municipal land trust rights: no entries

6. Other rights in rem: no entries

7. Legal facts:

7.

Personal property
Object: 190/940 of land plot No. 7520-0003-0121, described in sections 2.1. and 4.1.
Basis for registration: 2013-05-27 Purchase and sale agreement No. 1-2645
Entry valid: From 2013-06-05

8. Notes: no entries

9. Territories subject to special land use conditions:

9.

Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II)
Object: land plot No. 7520-0003-0121, described in section 2.1.
Basis for registration: 2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166
19 December 2019 Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania
Area: 9.40 ha
Entry valid: From 2 January 2020

10. Registration of the object and cadastral marks: no entries

11. Registry notes and references: no entries

12. Other information: no entries

13. Information on data transaction verification: no entries

REAL ESTATE REGISTRY DATABASE EXTRACT

2022-02-09

1. Property registered in the Real Estate Register:

Registration No.: **75/7026**
Type of register: **Land plot**
Date of creation: **1998-06-23**
Skuodo r. sav., Lenkimų sen., Plaušinių k.

2. Real estate:**2.1.**

Land
Skuodo district municipality, Lenkimų sen., Plaušinių village
Unique property number: **7520-0003-0099**
Land plot cadastral number and cadastral area
Name: **7520/0003:99 Lenkimų k.v.**
Main purpose of use of the property: **Agriculture**
Land plot area: **5.7000 ha** Total
agricultural land area: **5.4400 ha** of which: arable land
area: **5.4400 ha** Water body area: **0.2600 ha** Drained
land area: **5.4400 ha**
Agricultural productivity rating: **50.0**
Type of measurement: **Land plot formed by preliminary measurements**
Indexed land plot value: **4598 EUR** Land plot value:
2874 EUR Average market value:
5792 EUR
Date of average market value determination: **2010-04-20**
Method of determining average market value: **Mass appraisal**
Date of cadastral data determination: **1998-06-23**

3. Appurtenances of the property from another register: no entries**4. Ownership****4.**

Ownership
Owner:
Property: **land plot No. 7520-0003-0099, described in section 2.1.**
Basis for registration: **2010-04-26 Purchase and sale agreement No. 1-1574**
Entry valid: **From 2010-05-04**

5. State and municipal land trust rights: no entries**6. Other rights in rem: no entries****7. Legal facts: no entries****8. Tags: no entries****9. Territories subject to special land use conditions:****9.**

Shore protection strips for surface water bodies (Chapter VI, Section 8)
Object: **land plot No. 7520-0003-0099, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Land Use Conditions No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **0.13 ha**
Entry valid: **From 2 January 2020**

9.

Surface water protection zones (Chapter VI, Section 7)
Object: **land plot No. 7520-0003-0099, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
2019-12-19 Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania
Area: **0.13 ha**
Entry valid: **From 2 January 2020**

9.

Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II)
Object: **land plot No. 7520-0003-0099, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **5.44 ha**
Entry valid: **From 2 January 2020**

10. Registration of the object and cadastral marks: no entries**11. Register notes and references: no entries****12. Other information: no entries****13. Information about data transaction verification: no records**

EXCERPT FROM THE REAL ESTATE REGISTER DATABASE
2022-02-09

1. Property registered in the Real Estate Register:

Registration No.: 44/426582
Type of register: Land plot
Date of conclusion: 2005-06-30
Skudo district, Lenkimų sen., Plaušinių k.

2. Real estate:
2.1.

Land
Skudodas district municipality, Lenkimai parish, Plaušinių village
Unique property number: 4400-0629-1710
Land plot cadastral number and cadastral area
name: 7520/0003:214 Lenkimų k.v.
Main purpose of use of the property: Agriculture
Land use type: Other agricultural land
Land plot area: 3.6280 ha Total
agricultural land area: 3.5760 ha of which: arable land
area: 3.5760 ha Built-up area: 0.0520 ha
Drained land area: 3.6280 ha
Agricultural land productivity rating: 38.9
Type of measurement: Land plot formed by cadastral measurements
Indexed land plot value: 2109 EUR Land plot value:
1318 EUR Average market value:
7470 EUR
Date of average market value determination: 2019-09-20
Method of determining average market value: Mass appraisal
Date of cadastral data determination: 27 May 2019

3. Appurtenances of the property from another register: no entries

4. Ownership
4.

Ownership
Owner
Property: land plot No. 4400-0629-1710, described in section 2.1.
Basis for registration: 2007-02-07 Gift agreement No. 758
Entry valid: From 09/02/2007

5. State and municipal land trust rights: no entries

6. Other rights in rem: no entries

7. Legal facts:
7.

Personal property
Object: land plot No. 4400-0629-1710, described in section 2.1.
Basis for registration: 2007-02-07 Gift agreement No. 758
Entry valid: From 09/02/2007

8. Notes: no entries

9. Territories subject to special land use conditions:
9.

Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II)
Object: land plot No. 4400-0629-1710, described in section 2.1.
Basis for registration: 2019-06-06 Law of the Republic of Lithuania on Special Land Use Conditions No. XIII-2166
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: 36280.00 sq. m
Entry valid: From 2020-01-02

10. Registration of the property and cadastral marks:
10.

Cadastral measurements performed by (cadastral mark)
KESTUTIS SIMUTIS
Property: land plot No. 4400-0629-1710, described in section 2.1.
Basis for registration: 2008-05-07 Qualification certificate No. 2M-M-81
2019-05-27 Real estate cadastral data file
Entry valid: From 2019-09-20

10.

Correction of cadastral data (registration of an object)
Object: land plot No. 4400-0629-1710, described in section 2.1.
Basis for registration: 2019-05-27 Real estate cadastral data file
2019-08-19 Decision of the head of the territorial division of the National Land Service No. 15SK-507-
(14.15.110 E.)
Entry valid: From 2019-09-20

11. Register notes and references: no entries

12. Other information: no entries

13. Information on the correction of data for the transaction: no entries

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EXCERPT FROM THE REAL ESTATE REGISTER DATABASE
2022-02-09

1. Property registered in the Real Estate Register:

Registry No.: **75/6352**
Type of register: **Land plot**
Date of conclusion: **04/08/1993**
Skudodo district, Lenkimų sen., Plaušinių k.

2. Real estate:
2.1.

Land
Skudodas district, Lenkimai parish, Plaušinių village
Unique property number: **7520-0003-0048**
Land plot cadastral number and cadastral area
name: **7520/0003:48 Lenkimų k.v.**
Main purpose of use of the property: **Agriculture**
Land plot area: **16.7200 ha** Total
agricultural land area: **16.4200 ha** of which: arable land
area: **16.4200 ha**
Water bodies: **0.3000 ha**
Area of drained land: **16.4200 ha**
Agricultural land productivity rating: **42.0**
Type of measurement: **Land plot formed by preliminary measurements**
Indexed land plot value: **12,211 EUR** Land plot value:
7,632 EUR Average market value:
40,300 EUR
Date of average market value determination: **2020-07-27**
Method of determining average market value: **Mass appraisal**
Date of cadastral data determination: **2021-01-13**

3. Appurtenances of the property from another register: no entries

4. Ownership

Ownership
Owner
Property: **land plot No. 7520-0003-0048, described in section 2.1.**
Basis for registration: **2013-02-21 Purchase and sale agreement No. VK-1139**
Entry valid: **From 2013-03-06**

5. State and municipal land trust rights: no entries

6. Other rights in rem:

Mortgage
Object: **land plot No. 7520-0003-0048, described in section 2.1.**
Basis for registration: **2020-08-07 IDK No. 20120200046279**
2020-08-07 Contractual mortgage No. K1ES-6196
Entry valid: **From 2022-01-01**

7. Legal facts:

Joint property of spouses
Object: **land plot No. 7520-0003-0048, described in section 2.1.**
Basis for registration: **2013-02-21 Purchase and sale agreement No. VK-1139**
Entry valid: **From 2013-03-06**

8. Notes: no entries

9. Territories subject to special land use conditions:

Electricity network protection zones (Chapter III, Section IV)
Property: **land plot No. 7520-0003-0048, described in section 2.1.**
Basis for registration: **Decision No. 15SK-136-(14.15.110 E.) of the head of the territorial division of the National Land Service dated 16 March 2021.**
Area: **7493.00 sq. m**
Entry valid: **From 2021-03-29**

Shore protection strips for surface water bodies (Chapter VI, Section 8)
Object: **land plot No. 7520-0003-0048, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **0.10 ha**
Entry valid: **From 2 January 2020**

Surface water protection zones (Chapter VI, Section VII)
Object: **land plot No. 7520-0003-0048, described in section 2.1.**

Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
2019-12-19 Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania
Area: **0.10 ha**
Entry valid **from: 2 January 2020**

9. **Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section 2)**
Item: **land plot No. 7520-0003-0048, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **16.72 ha**
Entry valid: **From 2 January 2020**

10. Registration of the object and cadastral marks:

10. **Correction of cadastral data (registration of property)**
Property: **land plot No. 7520-0003-0048, described in section 2.1.**
Basis for registration: **2021-01-13 Real estate cadastral data file**
2021-03-16 Decision of the head of the territorial division of the National Land Service No. 15SK-136-
(14.15.110 E.)
Entry valid: **From 2021-03-29**

10. **Cadastral measurements performed by (cadastral mark)**
KĘSTUTIS KAZLAUSKAS
Object: **land plot No. 7520-0003-0048, described in p. 2.1.**
Basis for registration: **2011-06-16 Qualification certificate No. 2M-M-1525**
2021-01-13 Real estate cadastral data file
Entry valid: **From 2021-03-29**

11. Register notes and references: no entries

12. Other information: no entries

13. Information on data transaction correction: no entries

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EXCERPT FROM THE REAL ESTATE REGISTRY DATABASE
2022-02-09**1. Property registered in the Real Estate Register:**

Registry No.: **75/757353941**
Type of register: **Land plot**
Date of conclusion: **1996-09-26**
Skuodo district, Lenkimų sen., Plaušinių k.

2. Real estate:
2.1.

Land
Skuodas District Municipality, Lenkimai Parish, Plaušinių Village
Unique property number: **7520-0003-0001**
Land plot cadastral number and cadastral area
name: **7520/0003:1 Lenkimų k.v.**
Main purpose of use of the property: **Agriculture**
Land use type: **Other agricultural land**
Land plot area: **15.1223 ha** Total
agricultural land area: **15.1223 ha** of which: arable land
area: **15.1223 ha** Drained land area: **15.1223 ha**
Agricultural land productivity rating: **44.5**
Type of measurement: **Land plot formed by cadastral measurements**
Indexed land plot value: **11,563 EUR** Land plot value:
7,227 EUR Average market value:
17,300 EUR
Date of average market value determination: **2015-04-24**
Method of determining average market value: **Mass appraisal**
Date of cadastral data determination: **2013-10-28**

3. Appurtenances of the property from another register: no entries**4. Ownership:**
4.

Ownership
Owner
Property: **land plot No. 7520-0003-0001, described in section 2.1.**
Basis for registration: **2015-04-29 Certificate of inheritance rights under a will No. 1-1690**
Entry valid: **From 2015-05-06**

5. State and municipal land trust rights: no entries**6. Other rights in rem:**
6.1

Right of way (servitude)
Object: **land plot No. 7520-0003-0001, described in section 2.1.**
Basis for registration: **1996-07-23 County Governor's Decision No. 28-3079 1996-07-23 County Governor's Order No. 679**
Description: **Permission to use a 4.5 m wide public road**
Entry valid: **From 1996-09-26**

6.
Road easement (dominant)
Object: **land plot No. 7520-0003-0001, described in section 2.1.**
Basis for registration: **1996-07-23 County Governor's Decision No. 28-3079 1996-07-23 County Governor's Order No. 679**
Description: **4.5 m wide public road**
Entry valid: **From 1996-09-26**

7. Legal facts:
7.

Personal property
Item: **land plot No. 7520-0003-0001, described in section 2.1.**
Basis for registration: **2015-04-29 Certificate of inheritance rights under a will No. 1-1690**
Entry valid: **From 2015-05-06**

8. Notes: no entries**9. Territories subject to special land use conditions:**
9.

Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II)
Object: **land plot No. 7520-0003-0001, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Land Use Conditions No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **15.1223 ha**
Entry valid: **From 2 January 2020**

9.
Road protection zones (Chapter III, Section II)
Item: **land plot No. 7520-0003-0001, described in section 2.1.**

Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
2019-12-19 Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania
Area: **0.355 ha**
Entry valid: **From 2 January 2020**

10. Registration of the item and cadastral marks:

10.

Correction of cadastral data (registration of the item)

Property: **land plot No. 7520-0003-0001**, described in section 2.1.

Basis for registration: **2013-10-28 Real estate cadastral data file**

**2013-11-22 Decision of the head of the territorial division of the National Land Service No. 15SK-
(14.15.110.)-871**

Entry valid: **From 2013-12-09**

10.

Cadastral measurements performed by (cadastral mark)

State enterprise State Land Fund, company code 120093212

Object: **land plot No. 7520-0003-0001**, described in section 2.1.

Basis for registration: **2008-05-07 Qualification certificate No. 2M-M-83**

2013-10-28 Real estate cadastre data file

Entry valid: **From 2013-12-09**

11. Register notes and references: no entries

12. Other information: no entries

13. Information on data transaction correction: no entries

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EXTRACT FROM THE REAL ESTATE REGISTER DATABASE
2022-02-09**1. Property registered in the Real Estate Register:**

Registry No.: **44/1596111**
Type of register: **Land plot**
Date of conclusion: **2013-03-29**
Skuodo r. sav., Lenkimų sen., Žemytės k.

2. Real estate:
2.1.

Land
Skuodas district, Lenkimai parish, Žemytės village
Unique property number: **4400-2629-2217**
Land plot cadastral number and cadastral area
name: **7520/0004:63 Lenkimų k.v.**
Main purpose of use of the property: **Agriculture**
Land plot usage type: **Other land plots for agricultural purposes**
Land plot area: **7.4768 ha** Total
agricultural land area: **7.1159 ha** Of which: arable land
area: **7.1159 ha**
Road area: **0.3609 ha**
Drained land area: **7.4768 ha**
Agricultural land productivity rating: **56.3**
Type of measurement: **Land plot formed by cadastral measurements**
Indexed land plot value: **7421 EUR** Land plot value:
4638 EUR Average market value:
13000 EUR
Date of average market value determination: **2017-05-11**
Method of determining average market value: **Mass appraisal**
Date of cadastral data determination: **03/07/2009**

3. Appurtenances of the property from another register: no entries**4. Ownership**
4.

Ownership
Owner:
Property: **land plot No. 4400-2629-2217, described in section 2.1.**
Basis for registration: **2013-12-27 Purchase and sale agreement No. 1-6535**
Entry valid: **From 10 January 2014**

5. State and municipal land trust rights: no entries**6. Other rights in rem:**
6.

Mortgage
Object: **land plot No. 4400-2629-2217, described in section 2.1.**
Basis for registration: **2017-05-16 Contractual mortgage No. 1-2217**
2017-05-17 IDK No. 20120170037017
Entry valid: **From 2022-01-01**

Right of way – right to drive vehicles and use the footpath
(servient)
Object: **land plot No. 4400-2629-2217, described in section 2.1.**
Basis for registration: **Decision No. 15SK-(14.15.110.)-132 of the head of the territorial division of the National Land Service dated 19 March 2013**
Area: **0.3609 ha**
Entry valid: **From 29/08/2013**

7. Legal facts: no entries**8. Notes: no entries****9. Territories subject to special land use conditions:**
9.

Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II)
Item: **land plot No. 4400-2629-2217, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **7.4768 ha**
Entry valid: **From 2 January 2020**

Electricity network protection zones (Chapter III, Section IV)
Object: **land plot No. 4400-2629-2217, described in p. 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **0.1013 ha**
Entry valid: **From 2 January 2020**

Road protection zones (Chapter III, Section II)
Item: **land plot No. 4400-2629-2217, described in section 2.1.**
Basis for registration: **Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166 of 06-06-2019.**

No.
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: 0.3413 ha
Entry valid: From 2 January 2020

10. Registration of the object and cadastral marks:

10. **Newly formed (registration of property)**
Property: land plot No. 4400-2629-2217, described in section 2.1.
Basis for registration: 2009-07-03 Real estate cadastral data file No. -
2013-03-19 Decision of the Head of the Territorial Division of the National Land Service No. 15SK-
(14.15.110.)-132
2013-08-14 Order of the Head of the Territorial Division of the National Land Service No. 15V[-
(14.15.2.)-1021
Entry valid: From 2013-08-29
10. **Cadastral measurements performed by (cadastral mark)**
State enterprise State Land Fund, company code 120093212
Item: land plot No. 4400-2629-2217, described in section 2.1.
Basis for registration: 2008-05-07 Qualification certificate No. 2M-M-79
2009-07-03 Real estate cadastral data file No. -
Entry valid: From 2013-08-29

11. Register notes and references: no entries

12. Other information: no entries

13. Information on data transaction correction: no entries

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EXTRACT FROM THE REAL ESTATE REGISTRY DATABASE
2022-02-01

1. Property registered in the Real Estate Register:

Registration No.: **75/757352248**
Type of register: **Land plot**
Date of conclusion: **06/02/1995**
Skuodo district, Lenkimų municipality, Palegijos village

2. Real estate:

2.1.

Land
Skuodo district, Lenkimų sen., Palegijos k.
Unique property number: **7520-0004-0019**
Land plot cadastral number and cadastral area
name: **7520/0004:19 Lenkimų k.v.**
Main purpose of use of the property: **Agriculture**
Land plot area: **7.3100 ha** Total
agricultural land area: **7.2600 ha** of which: arable land
area: **7.2600 ha** Water body area: **0.0500 ha** Drained
land area: **7.3100 ha**
Agricultural land productivity rating: **46.0**
Type of measurement: **Land plot formed by preliminary measurements**
Indexed land plot value: **5570 EUR** Land plot value:
3481 EUR Average market value:
9280 EUR
Date of average market value determination: **2016-04-27**
Method of determining average market value: **Mass appraisal**
Date of cadastral data determination: **01/09/1994**

3. Appurtenances of the property from another register: no entries

4. Ownership

4.

Ownership
Owner
Property: **land plot No. 7520-0004-0019, described in section 2.1.**
Basis for registration: **2005-02-25 Transfer and acceptance act No. 1-910**
2005-02-25 Purchase and sale agreement No. 1-908
Entry valid: **From 2005-03-14**

5. State and municipal land trust rights: no entries

6. Other rights in rem:

6.

Mortgage
Object: **land plot No. 7520-0004-0019, described in section 2.1.**
Basis for registration: **2016-05-20 Contractual mortgage No. 2375**
2016-05-24 IDK No. 20120160031142
Entry valid: **From 2022-01-01**

7. Legal facts:

7.

Personal property
Object: **land plot No. 7520-0004-0019, described in section 2.1.**
Basis for registration: **2005-02-25 Transfer and acceptance act No. 1-910**
2005-02-25 Purchase and sale agreement No. 1-908
Entry valid: **From 14 March 2005**

8. Notes: no entries

9. Territories subject to special land use conditions:

9.

Shore protection strips for surface water bodies (Chapter VI, Section 8)
Object: **land plot No. 7520-0004-0019, described in section 2.1.**
Basis for registration: **Law of the Republic of Lithuania on Special Land Use Conditions No. XIII-2166 of 6 June 2019.**
2019-12-19 Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania
Area: **0.01 ha**
Entry valid: **From 2020-01-02**

9.

Surface water protection zones (Chapter VI, Section 7)
Object: **land plot No. 7520-0004-0019, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **0.01 ha**
Entry valid: **From 2 January 2020**

9.

Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II)
Object: **land plot No. 7520-0004-0019, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
2019-12-19 Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania

Area: **7.31 ha**
Entry valid: **From 2 January 2020**

10. Registration of the object and cadastral marks: no entries

11. Register notes and references:

1977-03-30 Abolished by order of the Presidium of the Supreme Council in Palegijos k.

12. Other information: no entries

13. Information on data transaction verification: no records

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EXCERPT FROM THE REAL ESTATE REGISTER DATABASE
2022-02-01

1. Property registered in the Real Estate Register:

Registry No.: **75/7535**
Type of register: **Land plot**
Date of creation: **1998-12-19**
Skuodo district, Lenkimų municipality, Palegijos village

2. Real estate:
2.1.

Land
Skuodo district, Lenkimų sen., Palegijos village
Unique property number: **7520-0004-0111**
Land plot cadastral number and cadastral area
name: **7520/0004:111 Lenkimų k.v.**
Main purpose of use of the property: **Agriculture**
Land plot area: **17.3500 ha** Total
agricultural land area: **17.0900 ha** of which: arable land
area: **17.0900 ha**
Area of water bodies: **0.2600 ha**
Area of drained land: **17.0900 ha**
Agricultural land productivity rating: **50.0**
Type of measurement: **Land plot formed by preliminary measurements**
Indexed land plot value: **13,627 EUR** Land plot value:
8,517 EUR Average market value:
28,700 EUR
Date of average market value determination: **2017-04-10**
Method of determining average market value: **Mass appraisal**
Date of cadastral data establishment: **1998-08-14**

3. Appurtenances of the property from another register: no entries

4. Ownership:
4.

Ownership
Owner:
Property: **land plot No. 7520-0004-0111, described in section 2.1.**
Basis for registration: **2005-08-31 Purchase and sale agreement No. 9196**
31 August 2005 Transfer and acceptance act No. 9198 6
October 2005 Purchase and sale agreement No. 10115 6
October 2005 Transfer and acceptance act No. 10117
Entry valid: **From 2005-11-23**

5. State and municipal land trust rights: no entries

6. Other rights in rem:
6.

Mortgage
Object: **land plot No. 7520-0004-0111, described in section 2.1.**
Basis for registration: **Contractual mortgage No. 1-1553 dated 11 April 2017**
2017-04-12 IDK No. 20120170028697
Entry valid: **From 2022-01-01**

6.

Mortgage
Object: **land plot No. 7520-0004-0111, described in section 2.1.**
Basis for registration: **Contractual mortgage No. 1166 dated 23 December 2005**
2005-12-29 IDK No. 13120050001211
Entry valid: **From 1 January 2022**

7. Legal facts: no entries

8. Notes: no entries

9. Territories subject to special land use conditions:
9.

Shore protection strips for surface water bodies (Chapter VI, Section 8)
Object: **land plot No. 7520-0004-0111, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Land Use Conditions No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **0.15 ha**
Entry valid: **From 2 January 2020**

9.2.

Surface water protection zones (Chapter VI, Section 7)
Object: **land plot No. 7520-0004-0111, described in section 2.1.**
Basis for registration: **Law of the Republic of Lithuania on Special Land Use Conditions No. XIII-2166 of 6 June 2019**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **0.15 ha**
Entry valid: **From 2 January 2020**

9.

Surface water bodies (Chapter VI, Section 6)
Object: **land plot No. 7520-0004-0111, described in section 2.1.**
Basis for registration: **2019-06-06 Law on Special Conditions for Land Use of the Republic of Lithuania**

No.

Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019

Area: 0.04 ha

Entry valid: From 2 January 2020

9.

Protection zones for reclaimed land and land improvement structures (Chapter VI, Section II)

Object: land plot No. 7520-0004-0111, described in section 2.1.

Basis for registration: 2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166

2019-12-19 Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania

Area: 17.09 ha

Entry valid from: 2 January 2020

10. Registration of the object and cadastral marks: no entries

11. Registry notes and references:

1977-03-30 Abolished by order of the Presidium of the Supreme Council in Palegijos village.

12. Other information: no entries

13. Information on data transaction verification: no records

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EXCERPT FROM THE REAL ESTATE REGISTRY DATABASE
2022-02-01

1. Property registered in the Real Estate Register:

Registration No.: **44/1482085**
Type of register: **Land plot**
Date of conclusion: **2012-01-11**
Skuodo district, Lenkimų sen., Žemytės k.

2. Real estate:
2.1.

Land
Skuodo district, Lenkimų sen., Žemytės k.
Unique property number: **4400-2279-7324**
Land plot cadastral number and cadastral area
name: **7520/0004:342 Lenkimų k.v.**
Main purpose of use of the property: **Agriculture**
Land use type: **Other agricultural land**
Land plot area: **7.3031 ha** Total
agricultural land area: **7.2330 ha** of which: arable land
area: **7.2330 ha** Water body area: **0.0701 ha** Drained
land area: **7.3031 ha**
Agricultural land productivity rating: **39.7**
Type of measurement: **Land plot formed by cadastral measurements**
Indexed land plot value: **5034 EUR** Land plot value:
3146 EUR Average market value:
11600 EUR
Date of average market value determination: **2017-05-11**
Method of determining average market value: **Mass appraisal**
Date of cadastral data determination: **2011-10-21**

3. Appurtenances of the property from another register: no entries

4. Ownership
4.

Ownership
Owner
Property: **land plot No. 4400-2279-7324, described in section 2.1.**
Basis for registration: **2012-12-19 Purchase and sale agreement No. 1-5792**
Entry valid: **From 04/01/2013**

5. State and municipal land trust rights: no entries

6. Other rights in rem:
6.

Mortgage
Object: **land plot No. 4400-2279-7324, described in section 2.1.**
Basis for registration: **2017-05-16 Contractual mortgage No. 1-2221**
2017-05-17 IDK No. 20120170037018
Entry valid: **From 2022-01-01**

7. Legal facts:
7.1.

Joint property of spouses
Item: **land plot No. 4400-2279-7324, described in section 2.1.**
Basis for registration: **2012-12-19 Purchase and sale agreement No. 1-5792**
Entry valid: **From 04/01/2013**

8. Notes

8.
Restriction under the Temporary Law on the Acquisition of Agricultural Land: not to change the main purpose of land use for 5 years
Object: **land plot No. 4400-2279-7324, described in section 2.1.**
Basis for registration: **2012-12-19 Purchase and sale agreement No. 1-5792**
Entry valid **from: 04/01/2013**

9. Territories subject to special land use conditions:
9.

Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II)
Object: **land plot No. 4400-2279-7324, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
19 December 2019 Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania
Area: **7.3031 ha**
Entry valid **from: 2 January 2020**

10. Registration of the object and cadastral marks:
10.

Cadastral measurements performed by (cadastral mark)
UAB "Geodemos planai", company code 300538849
Property: **land plot No. 4400-2279-7324, described in section 2.1.**
Basis for registration: **2008-05-07 Qualification certificate No. 2-M-M-81**
2011-10-21 Real estate cadastral data file No. 620
Entry valid: **From 17/01/2012**

10.

Newly formed (registration of object)

Object: **land plot No. 4400-2279-7324, described in section 2.1.**

Basis for registration: **2011-10-21 Real estate cadastre data file No. 620**

30 December 2011 Order No. 15V[-(14.15.2.)-915 of the Head of the Territorial Land Management Division of the National Land Service

Entry valid: **From 2012-01-17**

11. Registry notes and references: no entries

12. Other information: no entries

13. Information on the correction of data transactions: no entries

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EXCERPT FROM THE REAL ESTATE REGISTER DATABASE
2022-02-01**1. Property registered in the Real Estate Register:**

Registration No.: **44/1343374**
Type of register: **Land plot**
Date of conclusion: **2010-01-08**
Skuodo district, Lenkimai municipality, Žemytės village

2. Real estate:**2.1.**

Land
Skuodas district, Lenkimai municipality, Žemytės village
Unique property number: **4400-2012-8574**
Land plot cadastral number and cadastral area
name: **7520/0004:330 Lenkimų k.v.**
Main purpose of use of the property: **Agriculture**
Land use type: **Other agricultural land**
Land plot area: **6.8277 ha** Total
agricultural land area: **6.8277 ha** of which: arable land
area: **6.8277 ha** Drained land area: **6.8277 ha**
Agricultural land productivity rating: **43.7**
Type of measurement: **Land plot formed by cadastral measurements**
Indexed land plot value: **5117 EUR** Land plot value:
3198 EUR Average market value:
11200 EUR
Date of average market value determination: **2017-05-11**
Method of determining average market value: **Mass appraisal**
Date of cadastral data determination: **2009-07-03**

3. Appurtenances of the property from another register: no entries**4. Ownership****4.**

Ownership
Owner:
Item: **land plot No. 4400-2012-8574, described in section 2.1.**
Basis for registration: **2012-04-27 Purchase and sale agreement No. 1-1901**
Entry valid: **From 11 May 2012**

5. State and municipal land trust rights: no entries**6. Other rights in rem:****6.**

Mortgage
Object: **land plot No. 4400-2012-8574, described in section 2.1.**
Basis for registration: **2017-05-16 Contractual mortgage No. 1-2217**
2017-05-17 IDK No. 20120170037017
Entry valid: **From 2022-01-01**

7. Legal facts: no entries**8. Notes: no entries****9. Territories subject to special land use conditions:****9.**

Shore protection strips for surface water bodies (Chapter VI, Section 8)
Object: **land plot No. 4400-2012-8574, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Land Use Conditions No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **4.5452 ha**
Entry valid: **From 2 January 2020**

9.

Surface water protection zones (Chapter VI, Section 7)
Object: **land plot No. 4400-2012-8574, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Land Use Conditions No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **4.5452 ha**
Entry valid: **From 2 January 2020**

9.

Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II)
Object: **land plot No. 4400-2012-8574, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
2019-12-19 Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania
Area: **6.8277 ha**
Entry valid: **From 2 January 2020**

9.

Electricity network protection zones (Chapter III, Section IV)
Object: **land plot No. 4400-2012-8574, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**

10. Registration of the object and cadastral marks:

10.

Cadastral measurements performed by (cadastral mark)
State enterprise State Land Fund, company code 120093212
Item: land plot No. 4400-2012-8574, described in section 2.1.
Basis for registration: 2008-05-07 Qualification certificate No. 2M-M-79
2008-09-25 License No. G-814-(40)
2009-07-03 Real estate cadastral data file No. 247-1
Entry valid: From 2010-02-23

10.

Newly formed (registration of object)
Object: land plot No. 4400-2012-8574, described in section 2.1.
Basis for registration: 2009-07-03 Real estate cadastre data file No. 247-1 2009-12-14 County Governor's Order
No. 4-7347-(1.3)
Entry valid: From 2010-02-23

11. Register notes and references: no entries

12. Other information: no entries

13. Information on data transaction correction: no entries

EXCERPT FROM THE REAL ESTATE REGISTER DATABASE
2022-02-01**1. Property registered in the Real Estate Register:**

Registration No.: **44/1480687**
Type of register: **Land plot**
Date of conclusion: **2012-01-06**
Skuodo r. sav., Lenkimų sen., Žemytės k.

2. Real estate:
2.1.

Land
Skuodo district municipality, Lenkimų sen., Žemytės village
Unique property number: **4400-2276-2405**
Land plot cadastral number and cadastral area
name: **7520/0004:341 Lenkimų k.v.**
Main purpose of use of the property: **Agriculture**
Land plot use: **Other land plots for agricultural purposes**
Land plot area: **2.6936 ha** Total
agricultural land area: **2.6936 ha** of which: arable land
area: **2.6936 ha** Drained land area: **2.6936 ha**
Agricultural land productivity rating: **45.0**
Type of measurement: **Land plot formed by cadastral measurements**
Indexed land plot value: **2059 EUR** Land plot value:
1287 EUR Average market value:
4350 EUR
Date of average market value determination: **2017-05-11**
Method of determining average market value: **Mass appraisal**
Date of cadastral data determination: **2021-01-14**

3. Appurtenances of the property from another register: no entries**4. Ownership:**
4.

Ownership
Owner:
Property: **land plot No. 4400-2276-2405, described in section 2.1.**
Basis for registration: **2012-12-19 Purchase and sale agreement No. 1-5792**
Entry valid: **From 2013-01-04**

5. State and municipal land trust rights: no entries**6. Other rights in rem:**
6.

Mortgage
Object: **land plot No. 4400-2276-2405, described in section 2.1.**
Basis for registration: **2017-05-16 Contractual mortgage No. 1-2221**
2017-05-17 IDK No. 20120170037018
Entry valid: **From 2022-01-01**

7. Legal facts:
7.

Joint property of spouses
Item: **land plot No. 4400-2276-2405, described in section 2.1.**
Basis for registration: **2012-12-19 Purchase and sale agreement No. 1-5792**
Entry valid: **From 04/01/2013**

8. Notes

8.
Restriction under the Temporary Law on the Acquisition of Agricultural Land: the main purpose of land use may not be changed for 5 years.
Item: **land plot No. 4400-2276-2405, described in section 2.1.**
Basis for registration: **2012-12-19 Purchase and sale agreement No. 1-5792**
Entry valid: **From 04/01/2013**

9. Territories subject to special land use conditions:

9.
Electricity network protection zones (Chapter III, Section IV)
Object: **land plot No. 4400-2276-2405, described in section 2.1.**
Basis for registration: **Decision No. 15SK-133-(14.15.110 E.) of the Head of the Territorial Division of the National Land Service dated 16 March 2021**
Area: **145.00 sq. m**
Entry valid: **From 2021-03-29**

9.
Protection zones for reclaimed land and reclamation structures (Chapter VI, Section II)
Object: **land plot No. 4400-2276-2405, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166 2019-12-19 Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania**
Area: **2.6936 ha**
Entry valid: **From 2 January 2020**

10. Registration of the object and cadastral marks:

10.
Correction of cadastral data (registration of property)

Property: **land plot No. 4400-2276-2405**, described in section 2.1.
Basis for registration: **2021-01-14 Real estate cadastral data file**
2021-03-16 Decision of the head of the territorial division of the National Land Service No. 15SK-133-
(14.15.110 E.)
Entry valid: **From 2021-03-29**

10. **Cadastral measurements performed by (cadastral mark)**
KĘSTUTIS KAZLAUSKAS
Object: **land plot No. 4400-2276-2405**, described in p. 2.1.
Basis for registration: **2011-06-16 Qualification certificate No. 2M-M-1525**
2021-01-14 Real estate cadastral data file
Entry valid: **From 2021-03-29**

10. **Cadastral measurements performed by (cadastral mark)**
UAB "Geodemos planai", company code 300538849
Object: **land plot No. 4400-2276-2405**, described in p. 2.1.
Basis for registration: **2008-05-07 Qualification certificate No. 2M-M-79**
2011-10-21 Real estate cadastre data file No. 621
Entry valid: **From 2012-01-10**

10. **Newly formed (registration of object)**
Object: **land plot No. 4400-2276-2405**, described in section 2.1.
Basis for registration: **2011-10-21 Real estate cadastre data file No. 621**
2011-12-29 Order No. 15VI-(14.15.2.)-909 of the Head of the Territorial Land Management Division of the
National Land Service
Entry valid: **From 2012-01-10**

11. Registry notes and references: no entries

12. Other information: no entries

13. Information on the correction of data for the transaction: no entries

EXCERPT FROM THE REAL ESTATE REGISTER DATABASE
2022-02-01

1. Property registered in the Real Estate Register:

Registry No.: **44/31578**
Type of register: **Land plot**
Date of creation: **2003-07-16**
Skuodo district, Lenkimų municipality, Juodeikių village

2. Real estate:
2.1.

Land
Skuodo district, Lenkimų sen., Juodeikių village
Unique property number: **4400-0045-4484**
Land plot cadastral number and cadastral area
name: **7520/0004:228 Lenkimų k.v.**
Main purpose of use of the property: **Agriculture**
Land use type: **Other agricultural land**
Land plot area: **19.3000 ha** Total
agricultural land area: **18.9900 ha** of which: arable land
area: **18.9900 ha**
Road area: **0.2100 ha**
Water bodies: **0.1000 ha**
Area of drained land: **19.2000 ha**
Agricultural land productivity rating: **43.2**
Type of measurement: **Land plot formed by preliminary measurements**
Indexed land plot value: **14,072 EUR** Land plot value:
8,795 EUR Average market value:
28,383 EUR
Date of average market value determination: **21 December 2009**
Method of determining average market value: **Mass appraisal**
Date of cadastral data determination: **2007-02-12**

3. Appurtenances of the property from another register: no entries

4. Ownership
4.

Ownership
Owner
Property: **land plot No. 4400-0045-4484, described in section 2.1.**
Basis for registration: **2009-12-30 Transfer-acceptance act No. 234-15**
2009-12-30 State land plot purchase and sale agreement No. 4755
Entry valid: **From 2010-01-07**

5. State and municipal land trust rights: no entries

6. Other rights in rem:
6.1

Right of way (servitude)
Object: **land plot No. 4400-0045-4484, described in section 2.1.**
Basis for registration: **2007-05-05 County Governor's Order No. 4-2452-(1.3)**
Area: **0.21 ha**
Entry valid: **From 01-06-2007**

7. Legal facts: no entries

8. Notes:

8.
Restriction under the Temporary Law on the Acquisition of Agricultural Land: the main purpose of land use may not be changed for 5 years
Object: **land plot No. 4400-0045-4484, described in section 2.1.**
Basis for registration: **2009-12-30 Transfer and acceptance act No. 234-15**
2009-12-30 State land purchase and sale agreement No. 4755
Entry valid: **From 07/01/2010**

9. Territories subject to special land use conditions:
9.

Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II)
Object: **land plot No. 4400-0045-4484, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Land Use Conditions No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **19.30 ha**
Entry valid: **From 2 January 2020**

9.
Road protection zones (Chapter III, Section II)
Object: **land plot No. 4400-0045-4484, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
2019-12-19 Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania
Area: **0.59 ha**
Entry valid: **From 2 January 2020**

9.
Shore protection strips for surface water bodies (Chapter VI, Section 8)
Object: **land plot No. 4400-0045-4484, described in section 2.1.**

Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019

Area: **0.07 ha**

Entry valid: **From 2 January 2020**

9.

Surface water protection zones (Chapter VI, Section 7)

Object: **land plot No. 4400-0045-4484, described in section 2.1.**

Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
2019-12-19 Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania

Area: **0.07 ha**

Entry valid: **From 2 January 2020**

10. Registration of the object and cadastral marks: no entries

11. Register notes and references: no entries

12. Other information: no entries

13. Information about data transaction verification: no records

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EXCERPT FROM THE REAL ESTATE REGISTER DATABASE
2022-02-01

1. Property registered in the Real Estate Register:

Registry No.: **75/18435**
Type of register: **Land plot**
Date of conclusion: **2003-06-13**
Skuodo district, Lenkimų municipality, Juodeikių village

2. Real estate:
2.1.

Land
Skuodas district municipality, Lenkimai parish, Juodeikiai village
Unique property number: **7520-0004-0225**
Land plot cadastral number and cadastral area
name: **7520/0004:225 Lenkimų k.v.**
Main purpose of use of the property: **Agriculture**
Land plot area: **10.0000 ha**
Total area of agricultural land: **9.9700 ha** of which:
arable land: **9.9700 ha** Area of water bodies:
0.0300 ha Area of drained land: **9.9700 ha**
Agricultural land productivity rating: **40.5**
Type of measurement: **Land plot formed by preliminary measurements**
Indexed land plot value: **6622 EUR** Land plot value:
4139 EUR Average market value:
9760 EUR
Date of average market value determination: **2010-10-04**
Method of determining average market value: **Mass appraisal**
Date of cadastral data determination: **25 April 2003**

3. Appurtenances of the property from another register: no entries

4. Ownership:

Ownership
Owner
Property: **land plot No. 7520-0004-0225, described in section 2.1.**
Basis for registration: **2010-10-22 Transfer and acceptance act No. 47-8**
2010-10-22 State land plot purchase and sale agreement No. 1-4033
Entry valid: **From 10/11/2010**

5. State and municipal land trust rights: no entries

6. Other rights in rem:

Mortgage
Object: **land plot No. 7520-0004-0225, described in section 2.1.**
Basis for registration: **2016-09-09 IDK No. 20520160070239**
2016-09-09 Compulsory mortgage No. 1-4077
Entry valid: **From 2022-01-01**

7. Legal facts: no entries

8. Tags

8
Restriction under the Temporary Law on the Acquisition of Agricultural Land: the main purpose of land use may not be changed for 5 years
Object: **land plot No. 7520-0004-0225, described in section 2.1.**
Basis for registration: **2010-10-22 Transfer and acceptance act No. 47-8**
2010-10-22 State land purchase and sale agreement No. 1-4033
Entry valid: **From 10/11/2010**

8
Prohibition on transfer of ownership
Object: **land plot No. 7520-0004-0225, described in section 2.1.**
Basis for registration: **2010-10-22 Transfer and acceptance act No. 47-8**
2010-10-22 State land plot purchase and sale agreement No. 1-4033
Description: **The buyer acquires the right to mortgage or transfer the land plot to other persons no earlier than after paying the full price of the land plot.**
Entry valid: **From 2010-11-10**

8
Debt for the acquired property
Item: **land plot No. 7520-0004-0225, described in section 2.1.**
Basis for registration: **2010-10-22 Transfer and acceptance act No. 47-8**
2010-10-22 State land plot purchase and sale agreement No. 1-4033
Entry valid: **From 10/11/2010**

9. Territories subject to special land use conditions:

9.
Shore protection strips of surface water bodies (Chapter VI, Section 8)

Item: **land plot No. 7520-0004-0225, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**

2019-12-19 Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania
Area: 0.02 ha
Entry valid: From 2 January 2020

9. **Surface water body protection zones (Chapter VI, Section 7)**
Object: land plot No. 7520-0004-0225, described in section 2.1.
Basis for registration: 2019-06-06 Law of the Republic of Lithuania on Special Land Use Conditions No. XIII-2166
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: 0.02 ha
Entry valid: From 2 January 2020

9. **Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II)**
Object: land plot No. 7520-0004-0225, described in p. 2.1.
Basis for registration: 2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166
2019-12-19 Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania
Area: 10.00 ha
Entry valid: From 2 January 2020

9. **Road protection zones (Chapter III, Section II)**
Object: land plot No. 7520-0004-0225, described in section 2.1.
Basis for registration: 2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: 0.13 ha
Entry valid: From 2 January 2020

10. Registration of the object and cadastral marks: no entries

11. Register notes and references: no entries

12. Other information: no entries

13. Information on data transaction verification: no records

EXCERPT FROM THE REAL ESTATE REGISTER DATABASE
2022-02-01

1. Property registered in the Real Estate Register:

Registry No.: **44/424072**
Type of register: **Land plot**
Date of conclusion: **2005-06-23**
Skuodo district, Lenkimų municipality, Juodeikių village

2. Real estate:

2.1.

Land
Skuodo district municipality, Lenkimų sen., Juodeikių village
Unique property number: **4400-0625-4260**
Land plot cadastral number and cadastral area
name: **7520/0004:273 Lenkimų k.v.**
Main purpose of use of the property: **Agriculture**
Land use type: **Other agricultural land**
Land plot area: **6.2100 ha** Total
agricultural land area: **5.8500 ha** of which: arable land
area: **5.8500 ha**
Road area: **0.1500 ha** Water
body area: **0.2100 ha** Drained land area:
5.8500 ha
Agricultural land productivity rating: **34.6**
Type of measurement: **Land plot formed by preliminary measurements**
Indexed land plot value: **3,274 EUR** Land plot
value: **2,046 EUR** Average market
value: **5,619 EUR**
Date of average market value determination: **2014-04-26**
Method of determining average market value: **Mass appraisal**
Date of cadastral data determination: **26 May 2004**

3. Appurtenances of the property from another register: no entries

4. Ownership

4.

Ownership
Owner
Property: **land plot No. 4400-0625-4260, described in section 2.1.**
Basis for registration: **2014-04-30 Purchase and sale agreement No. 3346**
Entry valid: **From 13 May 2014**

5. State and municipal land trust rights: no entries

6. Other rights in rem:

6.1

Right of way (servitude)
Object: **land plot No. 4400-0625-4260, described in section 2.1.**
Basis for registration: **2005-06-10 Decision of the County Governor No. 28-12918 2005-06-10 Order of
the County Governor No. 13.6-2375**
Area: **0.15 ha**
Entry valid: **From 2006-04-12**

7. Legal facts:

7.

Lease agreement concluded
Tenant
Property: **land plot No. 4400-0625-4260, described in section 2.1.**
Basis for registration: **2015-03-29 Lease agreement**
Area: **6.21 ha**
Entry valid: **From 2 April 2015**
Term: **From 2015-03-29 to 2020-03-29**

7.

Joint property of spouses
Item: **land plot No. 4400-0625-4260, described in section 2.1.**
Basis for registration: **2014-04-30 Purchase and sale agreement No. 3346**
Entry valid: **From 13 May 2014**

8. Tags: no entries

9. Territories subject to special land use conditions:

9.

Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II)
Object: **land plot No. 4400-0625-4260, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Land Use Conditions No. XIII-2166
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019**
Area: **6.21 ha**
Entry valid: **From 2 January 2020**

9.

Surface water bodies (Chapter VI, Section 6)

Item: **land plot No. 4400-0625-4260, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**

Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: 0.21 ha
Entry valid from: 2020-01-02

9

Shore protection strips for surface water bodies (Chapter VI, Section 8)
Item: land plot No. 4400-0625-4260, described in section 2.1.
Basis for registration: 2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: 0.11 ha
Entry valid: From 2 January 2020

9.

Surface water protection zones (Chapter VI, Section 7)
Object: land plot No. 4400-0625-4260, described in section 2.1.
Basis for registration: 2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: 0.11 ha
Entry valid: From 2 January 2020

10. Registration of the object and cadastral marks: no entries

11. Register notes and references: no entries

12. Other information: no records

13. Information on the rectification of data: no records

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EXTRACT FROM THE REAL ESTATE REGISTER DATABASE
2022-02-01

1. Property registered in the Real Estate Register:

Registry No.: **75/18434**
Type of register: **Land plot**
Date of conclusion: **2003-06-13**
Skuodo district, Lenkimų sen., Juodeikių k.

2. Real estate:
2.1.

Land
Skuodo district, Lenkimų sen., Juodeikių k.
Unique property number: **7520-0004-0224**
Land plot cadastral number and cadastral area
name: **7520/0004:224 Lenkimų k.v.**
Main purpose of use of the property: **Agriculture**
Land plot area: **11.4000 ha** Total
agricultural land area: **11.3600 ha** of which: arable land
area: **11.3600 ha**
Area of water bodies: **0.0400 ha**
Area of drained land: **11.3600 ha**
Agricultural land productivity rating: **39.4**
Type of measurement: **Land plot formed by preliminary measurements**
Indexed land plot value: **7541 EUR** Land plot value:
4713 EUR Average market value:
11035 EUR
Date of average market value determination: **2010-10-04**
Method of determining average market value: **Mass appraisal**
Date of cadastral data determination: **25/04/2003**

3. Appurtenances of the property from another register: no entries

4. Ownership
4.

Ownership
Owner
Property: **land plot No. 7520-0004-0224, described in section 2.1.**
Basis for registration: **2010-10-22 Transfer-acceptance act No. 47-8**
2010-10-22 State land plot purchase and sale agreement No. 1-4032
Entry valid: **From 2010-11-10**

5. State and municipal land trust rights: no entries

6. Other rights in rem:
6.

Mortgage
Object: **land plot No. 7520-0004-0224, described in section 2.1.**
Basis for registration: **2016-09-09 IDK No. 20520160070239**
2016-09-09 Compulsory mortgage No. 1-4077
Entry valid: **From 2022-01-01**

7. Legal facts: no entries

8. Notes:
8

Prohibition on transfer of ownership
Object: **land plot No. 7520-0004-0224, described in section 2.1.**
Basis for registration: **2010-10-22 Transfer-acceptance act No. 47-8**
2010-10-22 State land plot purchase and sale agreement No. 1-4032
Description: **The buyer acquires the right to mortgage or transfer the land plot to other persons no earlier than after paying the full price of the land plot.**
Entry valid **from: 2010-11-10**
Restriction under the Temporary Law on the Acquisition of Agricultural Land: not to change the main purpose of land use for 5 years
8 Object: **land plot No. 7520-0004-0224, described in section 2.1.**
Basis for registration: **2010-10-22 Transfer and acceptance act No. 47-8**
2010-10-22 State land purchase and sale agreement No. 1-4032
Entry valid: **From 10/11/2010**
Debt for the acquired property
8 Item: **land plot No. 7520-0004-0224, described in section 2.1.**
Basis for registration: **2010-10-22 Transfer and acceptance act No. 47-8**
2010-10-22 State land plot purchase and sale agreement No. 1-4032
Entry valid: **From 10/11/2010**

9. Territories subject to special land use conditions:
9.

Shore protection strips of surface water bodies (Chapter VI, Section 8)
Item: **land plot No. 7520-0004-0224, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**

19 December 2019 Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania
Area: 0.02 ha
Entry valid: From 2 January 2020

9. **Protection zones for surface water bodies (Chapter VI, Section 7)**
Object: land plot No. 7520-0004-0224, described in section 2.1.
Basis for registration: 2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166
2019-12-19 Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania
Area: 0.02 ha
Entry valid: From 2 January 2020
9. **Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II)**
Object: land plot No. 7520-0004-0224, described in section 2.1.
Basis for registration: 2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: 11.40 ha
Entry valid: From 2 January 2020
9. **Road protection zones (Chapter III, Section II)**
Object: land plot No. 7520-0004-0224, described in section 2.1.
Basis for registration: 2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166
19 December 2019 Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania
Area: 0.17 ha
Entry valid: From 2 January 2020

10. Registration of the object and cadastral marks: no entries

11. Register notes and references: no entries

12. Other information: no entries

13. Information on data transaction verification: no entries

EXCERPT FROM THE REAL ESTATE REGISTRY DATABASE
2022-02-09

1. Property registered in the Real Estate Register:

Registry No.: **75/7067**
Type of register: **Land plot**
Date of creation: **1998-07-01**
Skuodo district, Lenkimų municipality, Juodeikių village

2. Real estate:

2.1.

Land
Skuodo district, Lenkimų sen., Juodeikių k.
Unique property number: **7520-0004-0107**
Land plot cadastral number and cadastral area
name: **7520/0004:107 Lenkimų k.v.**
Main purpose of use of the property: **Agriculture**
Land plot area: **13.2600 ha** Total
agricultural land area: **12.9400 ha** of which: arable land
area: **12.9400 ha**
Area of water bodies: **0.3200 ha**
Area of drained land: **12.9400 ha**
Agricultural land productivity rating: **46.0**
Type of measurement: **Land plot formed by preliminary measurements**
Indexed land plot value: **9,296 EUR** Land plot value:
5,810 EUR Average market value:
27,700 EUR
Date of average market value determination: **2018-12-10**
Method of determining average market value: **Mass appraisal**
Date of cadastral data establishment: **1998-07-01**

3. Appurtenances of the property from another register: no entries

4. Ownership:

4.

Ownership
Owner

Property: **200/663 of land plot No. 7520-0004-0107, described in section 2.1.**
Basis for registration: **2018-12-12 Purchase and sale agreement No. 1-6135**
Entry valid: **From 18 December 2018**

4.

Ownership
Owner

Item: **926/1326 of land plot No. 7520-0004-0107, described in section 2.1.**
Basis for registration: **1998-06-12 Decision of the County Governor No. 28-4513**
Entry valid: **From 1998-07-01**

5. State and municipal land trust rights: no entries

6. Other rights in rem: no entries

7. Legal facts:

7.

Joint property of spouses
Item: **200/663 of land plot No. 7520-0004-0107, described in sections 2.1. and 4.1.**
Basis for registration: **2018-12-12 Purchase and sale agreement No. 1-6135**
Entry valid: **From 18 December 2018**

8. Notes: no entries

9. Territories subject to special land use conditions:

9.

Shore protection strips for surface water bodies (Chapter VI, Section 8)
Object: **land plot No. 7520-0004-0107, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Land Use Conditions No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **0.10 ha**
Entry valid: **From 2 January 2020**

9.

Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II)
Item: **land plot No. 7520-0004-0107, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **13.26 ha**
Entry valid: **From 2 January 2020**

10. Registration of the object and cadastral marks: no entries

11. Register notes and references: no entries

12. Other information: no entries

13. Information on data transaction verification: no records

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EXCERPT FROM THE REAL ESTATE REGISTRY DATABASE

2022-02-01 15:58:13

1. Property registered in the Real Estate Register:

Registration No.: 75/6657
Type of register: **Land plot**
Date of conclusion: 1998-03-24
Skudo district, Lenkimų sen., Juodeikių k.

2. Real estate:

2.1.

Land
Skudo district, Lenkimų sen., Juodeikių village
Unique property number: 7520-0004-0031
Land plot cadastral number and cadastral area
name: 7520/0004:31 Lenkimų k.v.
Main purpose of use of the property: **Agriculture**
Land use type: **Other agricultural land**
Land plot area: 13.1773 ha Total
agricultural land area: 13.1132 ha of which: arable land
area: 13.1132 ha
Area of water bodies: 0.0641 ha
Area of drained land: 13.1773 ha
Agricultural land productivity rating: 42.0
Type of measurement: **Land plot formed by cadastral measurements**
Indexed land plot value: 9576 EUR
Land plot value: EUR 5,985
Date of cadastral data determination: 2015-02-20

3. Appurtenances of the property from another register: no entries

4. Ownership:

4.

Ownership
Owner
Property: land plot No. 7520-0004-0031, described in section 2.1.
Basis for registration: Decision No. 28-4103 of the County Governor dated 31 December 1997
2015-05-08 Decision of the Head of the Territorial Division of the National Land Service No. 15SK-170-
(14.15.110.)
Entry valid: From 2015-06-16

5. State and municipal land trust rights: no entries

6. Other rights in rem: no entries

7. Legal facts: no entries

8. Notes: no entries

9. Territories subject to special land use conditions:

9.

Shore protection strips for surface water bodies (Chapter VI, Section 8)
Object: land plot No. 7520-0004-0031, described in section 2.1.
Basis for registration: 2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166
2019-12-19 Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania
Area: 0.032 ha
Entry valid: From 2 January 2020

9.

Surface water protection zones (Chapter VI, Section 7)
Object: land plot No. 7520-0004-0031, described in section 2.1.
Basis for registration: 2019-06-06 Law of the Republic of Lithuania on Special Land Use Conditions No. XIII-2166
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: 0.032 ha
Entry valid: From 2 January 2020

9.

Surface water bodies (Chapter VI, Section 6)
Object: land plot No. 7520-0004-0031, described in section 2.1.
Basis for registration: 2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166
2019-12-19 Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania
Area: 0.0641 ha
Entry valid: From 2 January 2020

9.

Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II)
Object: land plot No. 7520-0004-0031, described in section 2.1.
Basis for registration: 2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: 13.1773 ha
Entry valid: From 2 January 2020

10. Registration of the object and cadastral marks:

10.

Cadastral measurements performed by (cadastral mark)
State enterprise State Land Fund, company code 120093212
Item: land plot No. 7520-0004-0031, described in section 2.1.
Basis for registration: 2008-05-07 Qualification certificate No. 2M-M-77
20 February 2015 Real estate cadastre data file
Entry valid: From 2015-06-16

10.

Correction of cadastral data (registration of an object)
Object: land plot No. 7520-0004-0031, described in section 2.1.
Basis for registration: 2015-02-20 Real estate cadastre data file
2015-05-08 Decision of the head of the territorial division of the National Land Service No. 15SK-170-
(14.15.110.)
Entry valid: From 2015-06-16

11. Register notes and references: no entries

12. Other information: no entries

13. Information on the correction of data for the transaction: no entries

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EXTRACT FROM THE REAL ESTATE REGISTER DATABASE

2022-02-01

1. Property registered in the Real Estate Register:

Registration No.: **75/4525**
Type of register: **Land plot**
Date of conclusion: **1996-12-18**
Skuodas district, Lenkimai municipality, Juodeikiai village

2. Real estate:

2.1.

Land
Skuodas district, Lenkimai municipality, Juodeikiai village
Unique property number: **7520-0004-0034**
Land plot cadastral number and cadastral area
name: **7520/0004:34 Lenkimų k.v.**
Main purpose of use of the property: **Agriculture**
Land plot area: **5.6600 ha** Total
agricultural land area: **5.6600 ha** of which: arable land
area: **5.6600 ha** Drained land area: **5.6600 ha**
Agricultural land productivity rating: **42.0**
Type of measurement: **Land plot formed by preliminary measurements**
Indexed land plot value: **3885 EUR** Land plot value:
2426 EUR Average market value:
5532 EUR
Date of average market value determination: **2014-01-02**
Method of determining average market value: **Mass appraisal**
Date of cadastral data determination: **1995-12-01**

3. Appurtenances of the property from another register: no entries

4. Ownership

4.

Ownership
Owner

Item: **land plot No. 7520-0004-0034, described in section 2.1.**
Basis for registration: **2014-01-09 Purchase and sale agreement No. 141**
Entry valid: **From 10 January 2014**

5. State and municipal land trust rights: no entries

6. Other rights in rem: no entries

7. Legal facts:

7.

Lease agreement concluded
Tenant
Property: **land plot No. 7520-0004-0034, described in section 2.1.**
Basis for registration: **2014-06-04 Lease agreement No. 2**
Area: **5.66 ha**
Entry valid: **From 2014-06-06**
Term: **From 2014-06-04 to 2018-10-01**

7.2

Joint property of spouses
Item: **land plot No. 7520-0004-0034, described in section 2.1.**
Basis for registration: **2014-01-09 Purchase and sale agreement No. 141**
Entry valid: **From 2014-01-10**

8. Tags: no entries

9. Territories subject to special land use conditions:

9.

Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II)
Object: **land plot No. 7520-0004-0034, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Land Use Conditions No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **5.66 ha**
Entry valid: **From 2 January 2020**

10. Registration of the object and cadastral marks: no entries

11. Register notes and references: no entries

12. Other information: no entries

13. Information on data transaction verification: no entries

EXTRACT FROM THE REAL ESTATE REGISTER DATABASE
2022-02-01

1. Property registered in the Real Estate Register:

Registry No.: **75/4524**
Type of register: **Land plot**
Date of conclusion: **18 December 1996**
Skuodo district, Lenkimų municipality, Juodeikių village

2. Real estate:

2.1.

Land
Skuodo district municipality, Lenkimų sen., Juodeikių village
Unique property number: **7520-0004-0033**
Land plot cadastral number and cadastral area
name: **7520/0004:33 Lenkimų k.v.**
Main purpose of use of the property: **Agriculture**
Land plot area: **8.1700 ha** Total
agricultural land area: **8.1700 ha** of which: arable land
area: **8.1700 ha** Drained land area: **8.1700 ha**
Agricultural land productivity rating: **46.0**
Type of measurement: **Land plot formed by preliminary measurements**
Indexed land plot value: **6138 EUR** Land plot value:
3836 EUR Average market value:
9370 EUR
Date of average market value determination: **2015-07-02**
Method of determining average market value: **Mass appraisal**
Date of cadastral data determination: **1995-12-01**

3. Appurtenances of the property from another register: no entries

4. Ownership:

4.

Ownership
Owner

Property: **land plot No. 7520-0004-0033, described in section 2.1.**
Basis for registration: **2015-07-30 Purchase and sale agreement No. 4119**
Entry valid: **From 14/08/2015**

5. State and municipal land trust rights: no entries

6. Other rights in rem: no entries

7. Legal facts:

7.

Joint property of spouses
Object: **land plot No. 7520-0004-0033, described in section 2.1.**
Basis for registration: **2015-07-30 Purchase and sale agreement No. 4119**
Entry valid: **From 14/08/2015**

7.

Lease agreement concluded
Tenant
Item: **land plot No. 7520-0004-0033, described in section 2.1.**
Registration basis: **2015-04-04 Lease agreement No. 1**
Area: **8.17 ha**
Entry valid: **From 2015-04-07**
Term: **From 2015-04-04 to 2020-03-29**

8. Tags: no entries

9. Territories subject to special land use conditions:

9.

Protected areas of reclaimed land and land reclamation structures (Chapter VI, Section II)
Object: **land plot No. 7520-0004-0033, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Land Use Conditions No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **8.17 ha**
Entry valid: **From 2 January 2020**

10. Registration of the object and cadastral marks: no entries

11. Register notes and references: no entries

12. Other information: no entries

13. Information about data transaction verification: no entries

EXCERPT FROM THE REAL ESTATE REGISTRY DATABASE

2022-02-09

1. Property registered in the Real Estate Register:

Registration No.: **75/12110**
Type of register: **Land plot**
Date of conclusion: **2001-03-20**
Skuodo district, Lenkimų sen., Juodeikių k.

2. Real estate:

2.1.

Land
Skuodo district municipality, Lenkimų sen., Juodeikių village
Unique property number: **7520-0004-0160**
Land plot cadastral number and cadastral area
name: **7520/0004:160 Lenkimų k.v.**
Main purpose of use of the property: **Agriculture**
Land plot area: **1.5800 ha** Total
agricultural land area: **1.5700 ha** of which: arable land
area: **1.5700 ha** Water body area: **0.0100 ha** Drained
land area: **1.5700 ha**
Agricultural land productivity rating: **46.0**
Type of measurement: **Land plot formed by preliminary measurements**
Indexed land plot value: **1216 EUR** Land plot value: **760**
EUR Average market value: **1570 EUR**
Date of average market value determination: **2013-08-16**
Method of determining average market value: **Mass appraisal**
Date of cadastral data determination: **15/11/2000**

3. Appurtenances of the property from another register: no entries

4. Ownership

4.

Ownership
Owner
Property: **land plot No. 7520-0004-0160, described in section 2.1.**
Basis for registration: **2013-08-26 Certificate of inheritance by law No. 1-4120**
Entry valid: **From 2013-09-04**

5. State and municipal land trust rights: no entries

6. Other rights in rem: no entries

7. Legal facts:

7.

Personal property
Object: **land plot No. 7520-0004-0160, described in section 2.1.**
Basis for registration: **2013-08-26 Certificate of inheritance by law No. 1-4120**
Entry valid: **From 2013-09-04**

8. Tags: no entries

9. Territories subject to special land use conditions:

9.

Shore protection strips for surface water bodies (Chapter VI, Section 8)
Object: **land plot No. 7520-0004-0160, described in p. 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Land Use Conditions No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **0.01 ha**
Entry valid: **From 2 January 2020**

9.

Surface water protection zones (Chapter VI, Section 7)
Object: **land plot No. 7520-0004-0160, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Land Use Conditions No. XIII-2166**
2019-12-19 Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania
Area: **0.01 ha**
Entry valid: **From 2020-01-02**

9

Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II)
Object: **land plot No. 7520-0004-0160, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **1.57 ha**
Entry valid: **From 2 January 2020**

10. Registration of the object and cadastral marks: no entries

11. Register notes and references: no entries

12. Other information: no entries

13. Information about data transaction verification: no entries

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EXCERPT FROM THE REAL ESTATE REGISTER DATABASE
2022-02-09

1. Property registered in the Real Estate Register:

Registration No.: **75/4425**
Type of register: **Land plot**
Date of conclusion: **1996-12-11**
Skuodo district, Lenkimų sen., Juodeikių k.

2. Real estate:
2.1.

Land
Skuodas district municipality, Lenkimai parish, Juodeikiai village
Unique property number: **7520-0004-0045**
Land plot cadastral number and cadastral area
name: **7520/0004:45 Lenkimų k.v.**
Main purpose of use of the property: **Agriculture**
Land plot area: **20.2400 ha** Total
agricultural land area: **19.8600 ha** of which: arable land
area: **19.8600 ha**
Road area: **0.3800 ha**
Area of drained land: **19.8600 ha**
Agricultural land productivity rating: **46.0**
Type of measurement: **Land plot formed by preliminary measurements**
Indexed land plot value: **15,208 EUR** Land plot value:
9,505 EUR Average market value:
54,100 EUR
Date of average market value determination: **2021-11-23**
Method of determining average market value: **Mass appraisal**
Date of cadastral data determination: **1995-12-12**

3. Appurtenances of the property from another register: no entries

4. Ownership

Ownership
Owner
Property: **5/8 of land plot No. 7520-0004-0045, described in section 2.1.**
Basis for registration: **2011-11-07 Purchase and sale agreement No. 1-4392**
2014-02-27 Purchase and sale agreement No. 1-1013
Entry valid: **From 2014-03-12**
Ownership
Owner
Item: **3/8 of land plot No. 7520-0004-0045, described in section 2.1.**
Basis for registration: **2010-03-22 Certificate of inheritance by law No. 1-998**
Entry valid: **From 24 March 2010**

5. State and municipal land trust rights: no entries

6. Other rights in rem:

6.1
Right of way (servitude)
Object: **land plot No. 7520-0004-0045, described in p. 2.1.**
Basis for registration: **1996-07-23 County Governor's Decision No. 28-3081 1996-07-23 County Governor's Order No. 679**
Description: **Permission to use a 4.5 m wide public road.**
Entry valid: **From 1996-12-11**

7. Legal facts:

7.
Joint property of spouses
Item: **5/8 of land plot No. 7520-0004-0045, described in sections 2.1. and 4.1.**
Basis for registration: **2011-11-07 Purchase and sale agreement No. 1-4392**
2014-02-27 Purchase and sale agreement No. 1-1013
Entry valid: **From 12 March 2014**

8. Tags: no entries

9. Territories subject to special land use conditions:

9.
Shore protection strips of surface water bodies (Chapter VI, Section 8)
Object: **land plot No. 7520-0004-0045, described in p. 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Land Use Conditions No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **0.04 ha**
Entry valid: **From 2 January 2020**
9.2.
Surface water protection zones (Chapter VI, Section 7)
Object: **land plot No. 7520-0004-0045, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019

Area: **0.04 ha**
Entry valid: **From 2 January 2020**

9. **Protection zones for reclaimed land and land reclamation structures (Chapter VI, Section II)**
Object: **land plot No. 7520-0004-0045, described in p. 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **19.86 ha**
Entry valid: **From 2 January 2020**

Section **Protection zones for main gas and oil pipelines (product pipelines) (Chapter III, Section 5)**
Item: **land plot No. 7520-0004-0045, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **1.20 ha**
Entry valid: **From 2 January 2020**

9. **Electricity network protection zones (Chapter III, Section IV)**
Object: **land plot No. 7520-0004-0045, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **0.01 ha**
Entry valid: **From 2 January 2020**

Protection zones for electronic communications infrastructure of public communications networks (Chapter III, Section 11)
Item: **land plot No. 7520-0004-0045, described in section 2.1.**
Basis for registration: **2019-06-06 Law of the Republic of Lithuania on Special Conditions for Land Use No. XIII-2166**
Order No. 3D-711 of the Minister of Agriculture of the Republic of Lithuania dated 19 December 2019
Area: **0.16 ha**
Entry valid: **From 2 January 2020**

10. Registration of the object and cadastral marks: no entries

11. Register notes and references: no entries

12. Other information: no entries

13. Information about data transaction verification: no entries

3 APPENDIX

Noise dispersion modeling results

Project:

Planned VE

Licensed user:

Vsi Pajurio Research and Planning Institute

KMTP 206 kab., V. Berbomo g.10 LT-92221 Klaipeda

+37

Viaceslav / gis@corpi.lt

Calculated:

2022-08-29 15:16/3.5.584

DECIBEL - Main Result

Calculation: PUV

Noise calculation model:

ISO 9613-2 General

Wind speed (at a height of 10 m):

10.0 m/s

Ground attenuation:

General, Ground factor: 0.7

Meteorological coefficient, C0:

0.0 dB

Type of demand in calculation:

1: WTG noise is compared to demand (DK, DE, SE, NL, etc.)

Noise values in calculation:

All noise values are mean values (Lwa) (Normal)

Pure tones:

Pure tones penalty is added to total noise impact at receptors WTG catalogue

Height above ground level, when no value in NSA object: 1.5 m; Allow

override of model height with height from NSA object **Uncertainty margin:**

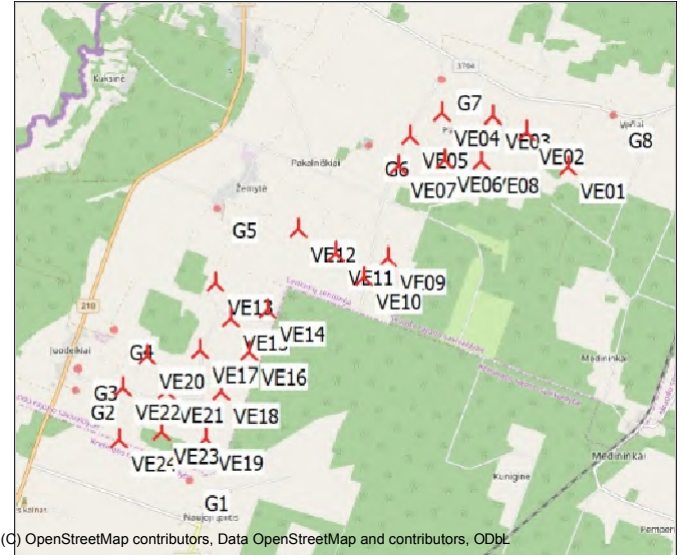
0.0 dB; Uncertainty margin in NSA has priority

Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.

0.0 dB(A)

All coordinates are in

Lithuanian TM LKS94-LKS94 (LT)



(C) OpenStreetMap contributors, Data OpenStreetMap and contributors, ODbL

WTGs

Y	X	Z Row data/Description	WTG type Valid Manufact.	Type generator Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Noise data Creator Name	Wind speed [m/s]	Status	LWA_ref Pure [dB(A)] tones
VE01	337,439	6,228,918	32.2 GE WIND ENERGY 6.0-164 60...Yes GE WIND ENERGY 6.0-164-6,000	6	164	161.0	USER	6.0-164 NO	10.0 From other hub height	107.0 No f
VE02	336,911	6,229,400	31.2 GE WIND ENERGY 6.0-164 60...Yes GE WIND ENERGY 6.0-164-6,000	6	164	161.0	USER	6.0-164 NO	10.0 From other hub height	107 No f
VE03	336,473	6,229,617	31.0 GE WIND ENERGY 6.0-164 60...Yes GE WIND ENERGY 6.0-164-6,000	6	164	161.0	USER	6.0-164 NO	10.0 From other hub height	107 No f
VE04	335,793	6,229,683	32.6 GE WIND ENERGY 6.0-164 60...Yes GE WIND ENERGY 6.0-164-6,000	6,000	164.0	161.0	USER	6.0-164 NO	10.0 From other hub height	107 No f
VE05	335,367	6,229,401	31.7 GE WIND ENERGY 6.0-164 60...Yes GE WIND ENERGY 6.0-164-6,000	6	164	161.0	USER	6.0-164 NO	10.0 From other hub height	107 No f
VE06	335,819	6,229,080	31.0 GE WIND ENERGY 6.0-164 60...Yes GE WIND ENERGY 6.0-164-6,000	6,000	164	161.0	USER	6.0-164 NO	10.0 From other hub height	107 No f
VE07	335,201	6,229,021	32.1 GE WIND ENERGY 6.0-164 60...Yes GE WIND ENERGY 6.0-164-6,000	6	164	161.0	USER	6.0-164 NO	10.0 From other hub height	107 No f
VE08	336,302	6,229,050	32.0 GE WIND ENERGY 6.0-164 60...Yes GE WIND ENERGY 6.0-164-6,000	6,000	164	161.0	USER	6.0-164 NO	10.0 From other hub height	107 No f
VE09	335,004	6,227,819	36.0 GE WIND ENERGY 6.0-164 60...Yes GE WIND ENERGY 6.0-164-6,000	6	164	161.0	USER	6.0-164 NO	10.0 From other hub height	107 No f
VE10	334,688	6,227,574	35.4 GE WIND ENERGY 6.0-164 60...Yes GE WIND ENERGY 6.0-164-6,000	6,000	164	161.0	USER	6.0-164 NO	10.0 From other hub height	107 No f
VE11	334,328	6,227,909	35.2 GE WIND ENERGY 6.0-164 60...Yes GE WIND ENERGY 6.0-164-6,000	6	164	161.0	USER	6.0-164 NO	10.0 From other hub height	107 No f
VE12	333,841	6,228,226	34.0 GE WIND ENERGY 6.0-164 60...Yes GE WIND ENERGY 6.0-164-6,000	6,000	164	161.0	USER	6.0-164 NO	10.0 From other hub height	107 No f
VE13	332,722	6,227,578	33.7 GE WIND ENERGY 6.0-164 60...Yes GE WIND ENERGY 6.0-164-6,000	6	164	161.0	USER	6.0-164 NO	10.0 From other hub height	107 No f
VE14	333,389	6,227,184	34.5 GE WIND ENERGY 6.0-164 60...Yes GE WIND ENERGY 6.0-164-6,000	6,000	164.0	161.0	USER	6.0-164 NO	10.0 From other hub height	107 No f
VE15	332,907	6,227,101	33.9 GE WIND ENERGY 6.0-164 60...Yes GE WIND ENERGY 6.0-164-6,000	6	164	161.0	USER	6.0-164 NO	10.0 From other hub height	107 No f
VE16	333,130	6,226,631	33.7 GE WIND ENERGY 6.0-164 60...Yes GE WIND ENERGY 6.0-164-6,000	6,000	164	161.0	USER	6.0-164 NO	10.0 From other hub height	107 No f
VE17	332,475	6,226,687	33.5 GE WIND ENERGY 6.0-164 60...Yes GE WIND ENERGY 6.0-164-6,000	6	164	161.0	USER	6.0-164 NO	10.0 From other hub height	107 No f
VE18	332,739	6,226,148	33.8 GE WIND ENERGY 6.0-164 60...Yes GE WIND ENERGY 6.0-164-6,000	6,000	164.0	161.0	USER	6.0-164 NO	10.0 From other hub height	107 No f
VE19	332,520	6,225,531	33.0 GE WIND ENERGY 6.0-164 60...Yes GE WIND ENERGY 6.0-164-6,000	6	164	161.0	USER	6.0-164 NO	10.0 From other hub height	107 No f
VE20	331,770	6,226,649	34.7 GE WIND ENERGY 6.0-164 60...Yes GE WIND ENERGY 6.0-164-6,000	6,000	164.0	161.0	USER	6.0-164 NO	10.0 From other hub height	107 No f
VE21	332,006	6,226,190	35.0 GE WIND ENERGY 6.0-164 60...Yes GE WIND ENERGY 6.0-164-6,000	6	164	161.0	USER	6.0-164 NO	10.0 From other hub height	107 No f
VE22	331,431	6,226,257	35.4 GE WIND ENERGY 6.0-164 60...Yes GE WIND ENERGY 6.0-164-6,000	6,000	164.0	161.0	USER	6.0-164 NO	10.0 From other hub height	107 No f
VE23	331,925	6,225,649	37.0 GE WIND ENERGY 6.0-164 60...Yes GE WIND ENERGY 6.0-164-6,000	6	164	161.0	USER	6.0-164 NO	10.0 From other hub height	107 No f
VE24	331,367	6,225,560	37.0 GE WIND ENERGY 6.0-164 60...Yes GE WIND ENERGY 6.0-164-6,000	6,000	164	161.0	USER	6.0-164 NO	10.0 From other hub height	107 No

f) From other hub height

Calculation Results

Sound level

Noise sensitive area

No.		Y	X	Z	Immission height [m]	Demands Noise [dB(A)]	Sound level From WTGs [dB(A)]
G	Noise sensitive area: User defined (51)	332	6	225,015	1	45	41
G	Noise sensitive area: User defined (57)	330	6,226,239	35.5	1.5	45.	40.
G	Noise sensitive area: User defined (58)	330	6	226,482	1	45	40
G4	Noise sensitive area: User defined (59)	331	6	226,970	1	45	42
G5	Noise sensitive area: User defined (60)	332	6,228,500		1	45	37
G	Noise sensitive area: User defined (61)	334	6	229,276	1	45	43
G7	Noise sensitive area: User defined (62)	335	6	230,082	1	45	43.3
G8	Noise sensitive area: User defined (63)	338	6	229,537	1	45	36

Project:

Planned VE

Licensed user:

Vsi Pajurio Research and Planning Institute

KMTP 206 kab., V. Berbomo g.10 LT-
92221 Klaipeda

+37

Viacoslav / gis@corpi.lt

Calculated:

2022-08-29 15:16/3.5.584

DECIBEL - Main Result

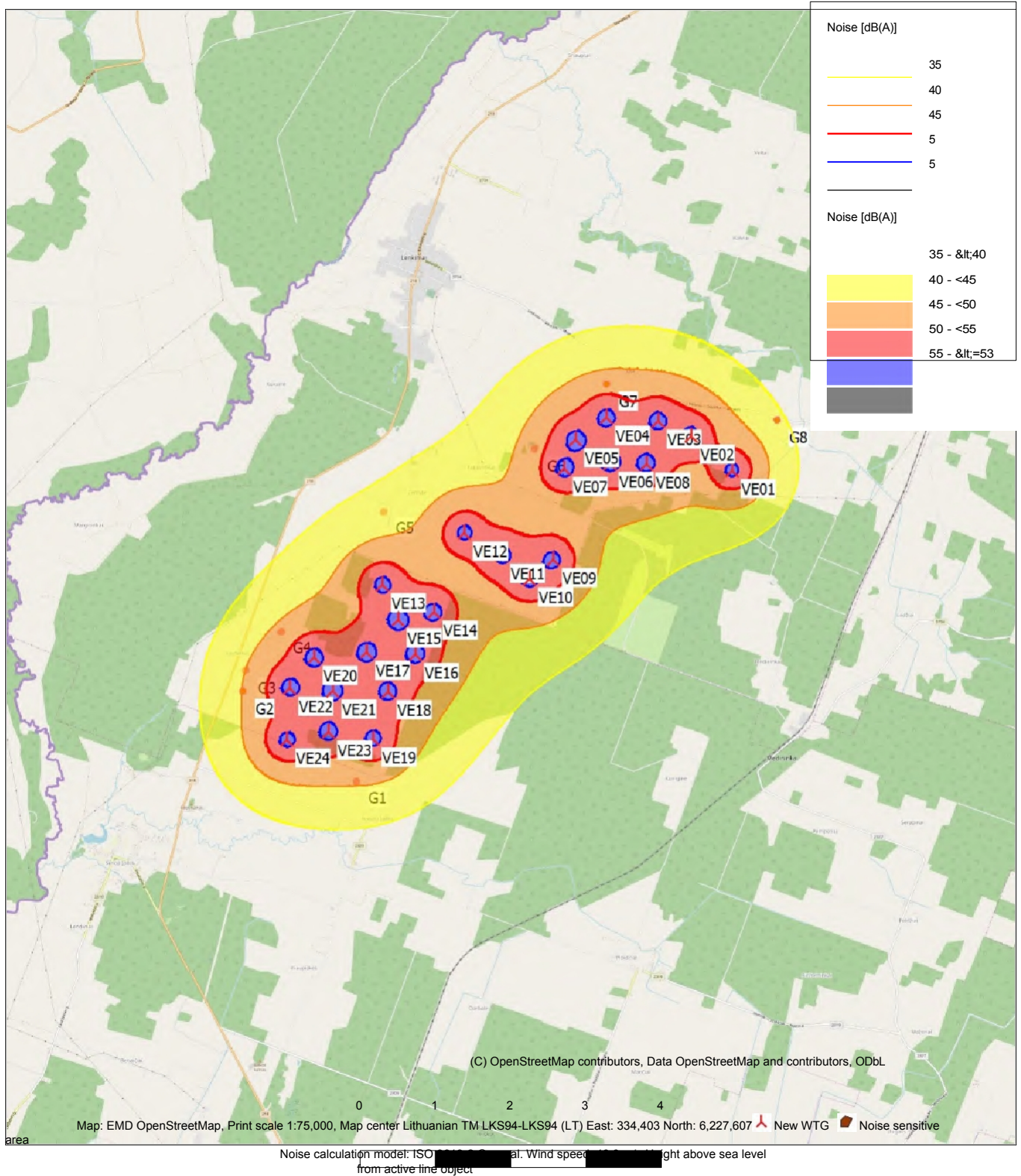
Calculation: PUV

Distances (m)

WTG	G	G	G	G	G5	G	G7	G8
VE01	6451	7107	6963	6337	4630	2604	1979	848
VE02	6363	6828	6663	6011	4175	2049	1270	1112
VE03	6213	6550	6371	5706	3802	1638	788	1541
VE04	5833	6014	5821	5143	3178	1001	399	2223
VE05	5356	5504	5311	4634	2683	512	803	2649
VE06	5379	5716	5543	4884	3043	982	1002	2242
VE07	4949	5155	4971	4303	2425	430	1216	2860
VE08	5684	6126	5963	5314	3514	1462	1140	1782
VE09	3897	4440	4304	3699	2298	1452	2398	3469
VE10	3502	4059	3931	3341	2096	1688	2741	3866
VE11	3539	3853	3699	3069	1631	1429	2620	4031
VE12	3567	3582	3397	2732	1067	1404	2688	4375
VE13	2600	2293	2104	1445	921	2663	3954	5644
VE14	2433	2705	2576	2002	1448	2507	3762	5191
VE15	2177	2227	2090	1515	1403	2865	4144	5660
VE16	1823	2310	2232	1774	1901	3111	4356	5686
VE17	1683	1682	1584	1124	1834	3461	4742	6231
VE18	1221	1888	1875	1582	2349	3728	4977	6271
VE19	568	1805	1885	1831	2976	4366	5602	680
VE20	1705	1004	880	500	2096	3989	5280	6880
VE21	1202	1155	1152	996	2428	4143	5424	6878
VE22	1490	578	583	700	2603	4503	5793	7356
VE23	716	1214	1326	1424	2969	4610	5879	7226
VE24	1031	829	1036	1392	3250	5039	6321	7747

DECIBEL - Map 10.0 m/s

Calculation: PUV



4 APPENDIX

Shadow modeling results

Project:

Planned VE

Licensed user:

Vsi Pajurio Research and Planning Institute

KMTP 206 kab., V. Berbomo g.10 LT-

92221 Klaipeda

+37

Viaceslav / gis@corpi.lt

Calculated:

2022-08-29 15:13/3.5.584

SHADOW - Main Result

Assumptions for shadow calculations

Maximum distance for influence

Calculate only when more than 20% of the sun is covered by the blade Please look in WTG table

Minimum sun height over horizon for influence

3 °

Day step for calculation

1 days

Time step for calculation

1 minutes

Sunshine probability S (Average daily sunshine hours) [KAUNAS]

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	1.41	2.36	4.03	5.55	8.35	8.3	6
S	8.16	7.72	5.06	3.23	1.33	0.98													

Operational time

	NNE	ENE	E	ESE	SSE	S	SSW	WSW		W	WNW	NNW	Sum
377,509,581,675,761,591,688,985,													
1,255,	1,174,												
													442 8 760

A ZVI (Zones of Visual Influence) calculation is performed before flicker calculation so non visible WTG do not contribute to calculated flicker values. A WTG will be visible if it is visible from any part of the receiver window. The ZVI calculation is based on the following assumptions:

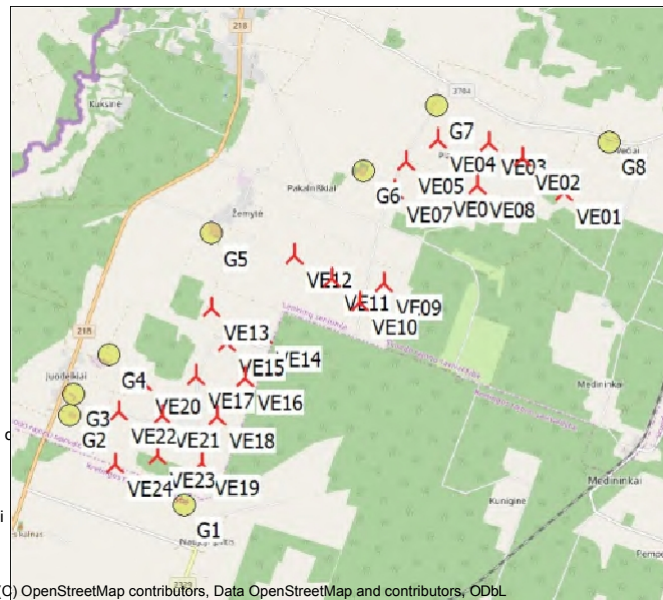
Height contours used: Elevation Grid Data Object: PUV_Vestas_V172_EMDGr Obstacles used in calculation

Receptor grid resolution: 1.0 m

All coordinates are in

Lithuanian TM LKS94-LKS94 (LT)

WTGs



(C) OpenStreetMap contributors, Data OpenStreetMap and contributors, ODbL

	Y	X	Row data/Description	WTG type		Power rated [kW]	Rotor diameter [m]	Hub height [m]	Shadow data	
				Valid	Manufact.	Type-generator			Calculation distance [m]	RPM [RPM]
			[m]							
VE01	337	6,228,918	32.2 VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037 0
VE02	336,911	6,229,400	31.2 VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037 0
VE03	336	6,229,617	31.0 VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037 0
VE04	335,793	6,229,683	32.6 VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037 0
VE05	335	6,229,401	31.7 VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037 0
VE06	335,819	6,229,080	31.0 VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037 0
VE07	335	6,229,021	32.1 VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037 0
VE08	336	6,229,050	32.0 VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037 0
VE09	335,004	6,227,819	36.0 VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037 0
VE10	334	6,227,574	35.4 VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037 0
VE11	334	6,227,909	35.2 VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037 0
VE12	333,841	6,228	34.0 VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037 0
VE13	332,722	6,227,578	33.7 VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037 0
VE14	333	6,227,184	34.5 VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037 0
VE15	332,907	6,227	33.9 VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037 0
VE16	333	6,226,631	33.7 VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037 0
VE17	332	6,226,687	33.5 VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7,200	172	166	2,037 0
VE18	332	6,226,148	33.8 VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037 0
VE19	332,520	6,225,531	33.0 VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037 0
VE	331	6,226,649	34.7 VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172.0	166	2,037 0
VE21	332,006	6,226,190	35.0 VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037 0
VE22	331	6,226,257	35.4 VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037 0
VE23	331,925	6,225,649	37.0 VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037 0
VE24	331	6,225,560	37.0 VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037 0

Shadow receptor-Input

No	Y	X	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
			[m]	[m]	[m]	[m]	[°]		[m]
G	332	6,224,969	34.0	1	1	1	90	"Green house mode"	2
G	330	6,226,233	35.4	1	1	1	90	"Green house mode"	2
G3	330	6,226,505	35	1	1	1	90	"Green house mode"	2
G	331	6,226,997	37	1	1	1	90	"Green house mode"	2
G	332,765	6,228,541	41.5	1	1	1	90	"Green house mode"	2
G	334	6,229,301	34.	1	1	1.5	90	"Green house mode"	2

To be continued on next page...



Project:

Planned VE

Licensed user:

Vsi Pajurio Research and Planning Institute

KMTP 206 kab., V. Berbomo g.10 LT-

92221 Klaipeda

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Viaceslav / gis@corpi.lt

Calculated:

2022-08-29 15:13/3.5.584

SHADOW - Main Result

...continued from previous page

No	Y	X	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
			[m]	[m]	[m]	[m]	[°]		[m]
G7	335,801	6,230,124	31.2	1	1	1	90	"Green house mode"	2
G8	338,060	6,229,557	33.0	1	1	1	90	"Green house mode"	2

Calculation Results

Shadow receptor

Shadow, expected values

No. Shadow hours

per year

[h/year]

G	10:41
G	61:01
G	40:27
G4	46:26
G5	11:32
G6	95:23
G7	44:22
G	15:41

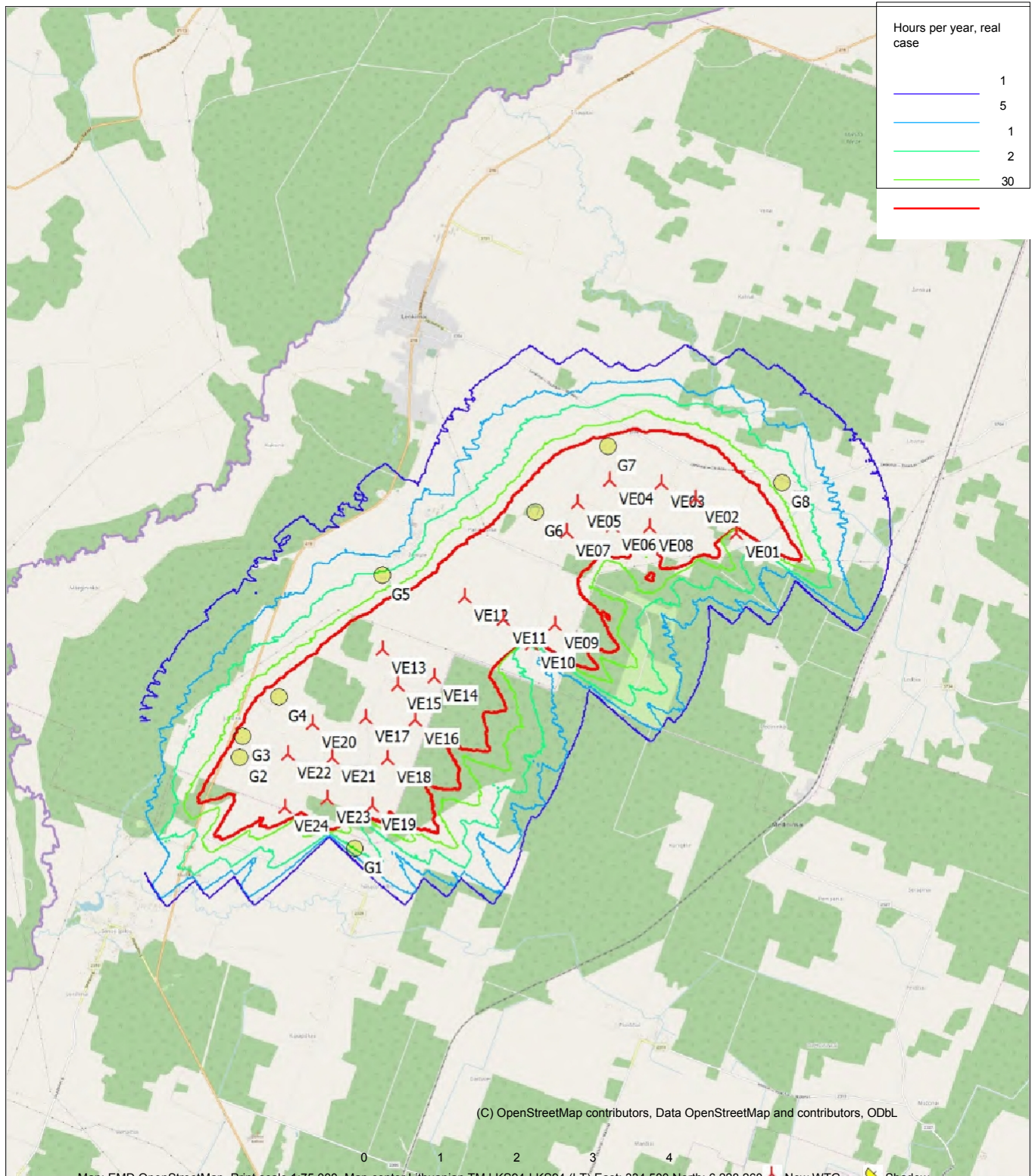
Total amount of flickering on the shadow receptors caused by each WTG

No	Name	Expected [h/year]
VE01	VESTAS V172-7.2 7200 172.0 !OI! hub: 166.0 m (TOT: 252.0 m) (282)	7:2
VE02	VESTAS V172-7.2 7200 172.0 !OI! hub: 166.0 m (TOT: 252.0 m) (283)	7:40
VE03	VESTAS V172-7.2 7200 172.0 !OI! hub: 166.0 m (TOT: 252.0 m) (284)	12:38
VE04	VESTAS V172-7.2 7200 172.0 !OI! hub: 166.0 m (TOT: 252.0 m) (288)	41:01
VE05	VESTAS V172-7.2 7200 172.0 !OI! hub: 166.0 m (TOT: 252.0 m) (287)	51:29
VE06	VESTAS V172-7.2 7200 172.0 !OI! hub: 166.0 m (TOT: 252.0 m) (286)	8:40
VE07	VESTAS V172-7.2 7200 172.0 !OI! hub: 166.0 m (TOT: 252.0 m) (289)	24:
VE08	VESTAS V172-7.2 7200 172.0 !OI! hub: 166.0 m (TOT: 252.0 m) (285)	8:09
VE09	VESTAS V172-7.2 7200 172.0 !OI! hub: 166.0 m (TOT: 252.0 m) (290)	0
VE10	VESTAS V172-7.2 7200 172.0 !OI! hub: 166.0 m (TOT: 252.0 m) (291)	0
VE11	VESTAS V172-7.2 7200 172.0 !OI! hub: 166.0 m (TOT: 252.0 m) (292)	2:26
VE12	VESTAS V172-7.2 7200 172.0 !OI! hub: 166.0 m (TOT: 252.0 m) (293)	7:24
VE13	VESTAS V172-7.2 7200 172.0 !OI! hub: 166.0 m (TOT: 252.0 m) (294)	11
VE14	VESTAS V172-7.2 7200 172.0 !OI! hub: 166.0 m (TOT: 252.0 m) (296)	1
VE15	VESTAS V172-7.2 7200 172.0 !OI! hub: 166.0 m (TOT: 252.0 m) (295)	3:15
VE16	VESTAS V172-7.2 7200 172.0 !OI! hub: 166.0 m (TOT: 252.0 m) (305)	1:43
VE17	VESTAS V172-7.2 7200 172.0 !OI! hub: 166.0 m (TOT: 252.0 m) (297)	10:51
VE18	VESTAS V172-7.2 7200 172.0 !OI! hub: 166.0 m (TOT: 252.0 m) (298)	4:59
VE19	VESTAS V172-7.2 7200 172.0 !OI! hub: 166.0 m (TOT: 252.0 m) (301)	3:56
VE20	VESTAS V172-7.2 7200 172.0 !OI! hub: 166.0 m (TOT: 252.0 m) (300)	46:
VE21	VESTAS V172-7.2 7200 172.0 !OI! hub: 166.0 m (TOT: 252.0 m) (299)	12:57
VE22	VESTAS V172-7.2 7200 172.0 !OI! hub: 166.0 m (TOT: 252.0 m) (304)	48:34
VE23	VESTAS V172-7.2 7200 172.0 !OI! hub: 166.0 m (TOT: 252.0 m) (302)	7:34
VE24	VESTAS V172-7.2 7200 172.0 !OI! hub: 166.0 m (TOT: 252.0 m) (303)	20:

The total times in the Receptor wise and WTG wise tables may differ, as a WTG can cause flicker at two or more receptors simultaneously and/or receptors may receive flicker from two or more WTGs simultaneously.

The calculation of the total expected values for a given receptor assumes a weighted average directional reduction for all WTGs contributing to shadow flicker within the same day. In the case where shadow flicker from different WTGs is not concurrent within the day, the total expected time at a given receptor may deviate marginally from the individual flicker time caused by each turbine separately.

SHADOW - Map



Flicker map level: Elevation Grid Data Object: PUV_Vestas_V172_EMDGrid_1.wpg (22)
Time step: 3 minutes, Day step: 7 days, Map resolution: 20 m, Visibility resolution: 10 m, Eye height: 1.5 m

Project:

Planned VE

Licensed user:

Vsi Pajurio Research and Planning Institute

KMTP 206 kab., V. Berbomo g.10 LT-

92221 Klaipeda

+37

Viaceslav / gis@corpi.lt

Calculated:

2022-08-29 15:17/3.5.584

SHADOW - Main Result**Calculation: shutdown****Assumptions for shadow calculations**

Maximum distance for influence

Calculate only when more than 20% of the sun is covered by the blade Please look in WTG table

Minimum sun height over horizon for influence

3 °

Day step for calculation

1 day

Time step for calculation

1 minute

Sunshine probability S (Average daily sunshine hours) [KAUNAS]

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1.41	2.36	4.03	5.55	8.35	8.36	8.16	7.72	5.06	3.23	1.33	0.98	

Operational time

	NNE	ENE	E	ESE	SSE	S	SSW	WSW	W	WNW	NNW	Sum
377,509,581,675,761,591,688,985, 1,255, 1,174, ,722												442 8 760

Flicker curtailment by stopping specific turbines

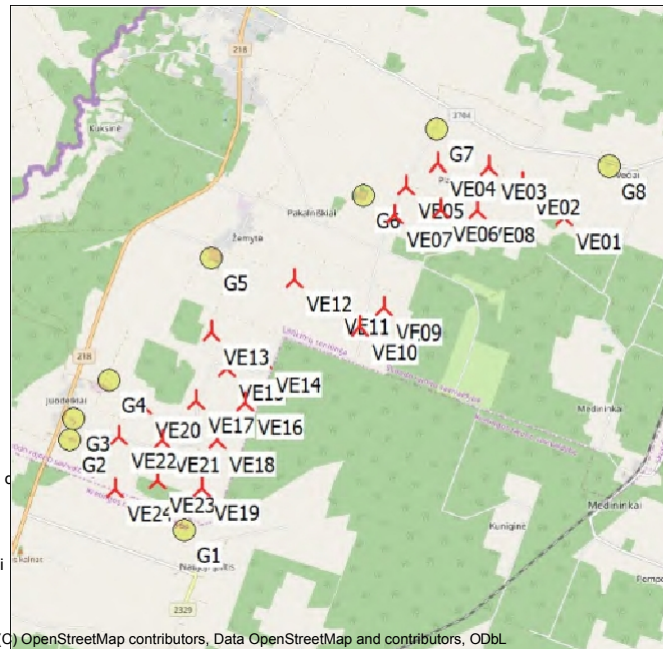
A ZVI (Zones of Visual Influence) calculation is performed before flicker calculation so non visible WTG do not contribute to calculated flicker values. A WTG will be visible if it is visible from any part of the receiver window. The ZVI calculation is based on the following assumptions:

Height contours used: Elevation Grid Data Object: PUV_Vestas_V172_EMDGr Obstacles used in calculation

Receptor grid resolution: 1.0 m

All coordinates are in

Lithuanian TM LKS94-LKS94 (LT)

WTGs**WTG type****Shadow data**

	Y	X	Z	Row data/Description	Valid	Manufact.	Type-generator	Power rated [kW]	Rotor diameter [m]	Hub height [m]	Calculation distance [m]	RPM [RPM]
			[m]									
VE01	337	6,228,918	32.2	VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037	0
VE02	336,911	6,229,400	31.2	VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037	0
VE03	336	6,229,617	31.0	VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037	0
VE04	335,793	6,229,683	32.6	VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037	0
VE05	335	6,229,401	31.7	VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037	0
VE06	335,819	6,229,080	31.0	VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037	0
VE07	335	6,229,021	32.1	VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037	0
VE08	336	6,229,050	32.0	VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7,200	172	166	2,037	0
VE09	335,004	6,227,819	36.0	VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037	0
VE10	334	6,227,574	35.4	VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037	0
VE11	334	6,227,909	35.2	VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037	0
VE12	333,841	6,228	34.0	VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037	0
VE13	332,722	6,227,578	33.7	VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037	0
VE14	333	6,227,184	34.5	VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037	0
VE15	332,907	6,227	33.9	VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037	0
VE16	333	6,226,631	33.7	VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037	0
VE17	332	6,226,687	33.5	VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037	0
VE18	332	6,226,148	33.8	VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037	0
VE19	332,520	6,225,531	33.0	VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172.0	166	2,037	0
VE	331	6,226,649	34.7	VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172.0	166	2,037	0
VE21	332,006	6,226,190	35.0	VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037	0
VE22	331	6,226,257	35.4	VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037	0
VE23	331,925	6,225,649	37.0	VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037	0
VE24	331	6,225,560	37.0	VESTAS V172-7.2 7200 172.0 !O!...	Yes	VESTAS	V172-7.2-7 200	7	172	166	2,037	0

Shadow receptor-Input

No	Y	X	Z	Width	Height	Elevation a.g.l. [m]	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]
			[m]	[m]	[m]				
G	332	6,224,969	34	1	1	1	90	"Green house mode"	2
G	330	6,226,233	35.4	1	1	1	90	"Green house mode"	2
G3	330	6,226,505	35	1	1	1	90	"Green house mode"	2
G	331	6,226,997	37	1	1	1	90	"Green house mode"	2

To be continued on next page...

Project:

Planned VE

Licensed user:

Vsi Pajurio Research and Planning Institute

KMTP 206 kab., V. Berbomo g.10 LT-

92221 Klaipeda

+37

Viaceslav / gis@corpi.lt

Calculated:

2022-08-29 15:17/3.5.584

SHADOW - Main Result

Calculation: shutdown

...continued from previous page

No	Y	X	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
			[m]	[m]	[m]	[m]	[°]		[m]
G	332	6,228,541	41.5	1	1	1	90	"Green house mode"	2
G	334	6,229,301	34.	1	1	1.5	90	"Green house mode"	2
G	335	6,230,124	31	1	1	1	90	"Green house mode"	2
G	338,060	6,229,557	3	1	1	1	90	"Green house mode"	2

Calculation Results

Shadow receptor

Shadow, expected values

No. Shadow hours Avoided hours per year

	[h/year 10:41	[h/year per year [h/year]
G1	18	43:26
G2	16:34	24:09
G3	23:30	23:
G4	11:32	
G5	13:39	81:37
G6	24:23	19:57
G7	15:41	
G8		

* Receptors where shadow flicker is reduced by curtailment

Total amount of flickering on the shadow receptors caused by each WTG

No	Name	Stopped due to flicker curtailment Expected [h/year]	[h/year]
VE01	VESTAS V172-7.2 7200 172.0 !O! hub: 166.0 m (TOT: 252.0 m) (282)		7:29
VE02	VESTAS V172-7.2 7200 172.0 !O! hub: 166.0 m (TOT: 252.0 m) (283)		7:40
VE03	VESTAS V172-7.2 7200 172.0 !O! hub: 166.0 m (TOT: 252.0 m) (284)		12:38
VE04	VESTAS V172-7.2 7200 172.0 !O! hub: 166.0 m (TOT: 252.0 m) (288)	217	0
VE05	VESTAS V172-7.2 7200 172.0 !O! hub: 166.0 m (TOT: 252.0 m) (287)	129:15	8
VE06	VESTAS V172-7.2 7200 172.0 !O! hub: 166.0 m (TOT: 252.0 m) (286)		8:40
VE07	VESTAS V172-7.2 7200 172.0 !O! hub: 166.0 m (TOT: 252.0 m) (289)	98:29	3:42
VE08	VESTAS V172-7.2 7200 172.0 !O! hub: 166.0 m (TOT: 252.0 m) (285)		8:09
VE09	VESTAS V172-7.2 7200 172.0 !O! hub: 166.0 m (TOT: 252.0 m) (290)		0
VE10	VESTAS V172-7.2 7200 172.0 !O! hub: 166.0 m (TOT: 252.0 m) (291)		0
VE11	VESTAS V172-7.2 7200 172.0 !O! hub: 166.0 m (TOT: 252.0 m) (292)		2
VE12	VESTAS V172-7.2 7200 172.0 !O! hub: 166.0 m (TOT: 252.0 m) (293)		7:24
VE13	VESTAS V172-7.2 7200 172.0 !O! hub: 166.0 m (TOT: 252.0 m) (294)		11
VE14	VESTAS V172-7.2 7200 172.0 !O! hub: 166.0 m (TOT: 252.0 m) (296)		1
VE15	VESTAS V172-7.2 7200 172.0 !O! hub: 166.0 m (TOT: 252.0 m) (295)		3
VE16	VESTAS V172-7.2 7200 172.0 !O! hub: 166.0 m (TOT: 252.0 m) (305)		1:43
VE17	VESTAS V172-7.2 7200 172.0 !O! hub: 166.0 m (TOT: 252.0 m) (297)		10:51
VE18	VESTAS V172-7.2 7200 172.0 !O! hub: 166.0 m (TOT: 252.0 m) (298)		4:59
VE19	VESTAS V172-7.2 7200 172.0 !O! hub: 166.0 m (TOT: 252.0 m) (301)		3:56
VE20	VESTAS V172-7.2 7200 172.0 !O! hub: 166.0 m (TOT: 252.0 m) (300)	171	0
VE21	VESTAS V172-7.2 7200 172.0 !O! hub: 166.0 m (TOT: 252.0 m) (299)		12:57
VE22	VESTAS V172-7.2 7200 172.0 !O! hub: 166.0 m (TOT: 252.0 m) (304)	224	0:
VE23	VESTAS V172-7.2 7200 172.0 !O! hub: 166.0 m (TOT: 252.0 m) (302)		7:34
VE24	VESTAS V172-7.2 7200 172.0 !O! hub: 166.0 m (TOT: 252.0 m) (303)		20:

Total times in Receptor wise and WTG wise tables can differ, as a WTG can lead to flicker at 2 or more receptors simultaneously and/or receptors may receive flicker from 2 or more WTGs simultaneously.

The calculation of the total expected values for a given receptor assumes a weighted average directional reduction for all WTGs contributing to shadow flicker within the same day. In the case where shadow flicker from different WTGs is not concurrent within the day, the total expected time at a given receptor may deviate marginally from the individual flicker time caused by each turbine separately.



5 ANNEX

Extract from the information system on protected species (an extract from the SRIS issued for the selection of a solar energy VE park for the EIA document was used, as the VE park is planned to be built in the same area)



EXCERPT
FROM THE PROTECTED AREAS INFORMATION SYSTEM No.
SRIS-2022-15715775

Date of extract: 2022-04-08 11:56:08

Request number	SRIS-2022-15715775
Date of request	Purpose
Purpose of extract	Planned economic activity – installation of a solar power plant in the Skuodas district, on land plots located in the territories of the Lenkimai eldership – selection for environmental impact assessment.

Requested area: Freely marked area

Requested species: All species

Extract prepared by: *Protected Species Information System*

The extract reflects the situation as of: 2022-04-08

ATTENTION! The data in the extract, which contains the exact coordinates of the locations or habitats of protected animals, plants, and animal species, may only be used for the specified purposes and may not be disclosed to other persons if this could endanger the survival of the protected species.

The following pages provide detailed information on the locations and habitats of protected species found in the requested area, as well as observation data:

1. RAD-CICCIC015046 (White stork)

Data on locations/habitats:

Location code	RAD-CICCIC015046
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2009	First observation	Young, immature individual	nest, burrow, etc.

Coordinates of location/growing site:

Point [330786.00 6226638.00]

2. RAD-CICCIC063324 (White stork)

Habitat/growing site data:

Location code	RAD-CICCIC063324
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding sites	Stage of development	Signs of activity
2009	First observation	Adult individual	nest, burrow, etc.

Coordinates of location/growing site:

Point [333283.00 6230413.00]

3. RAD-CICCIC015060 (White stork)

Habitat/growing site data:

Location code	RAD-CICCIC015060
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2009	First observation	Young, immature individual	nest, burrow, etc.

Coordinates of location/habitat:

Point [332921.00 6231734.00]

4. RAD-CICCIC063319 (White stork)

Habitat/growing site data:

Location code	RAD-CICCIC063319
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of distribution/breeding sites:



Data from observations of radavietės/augavietės:

Observation date	Radavietės status	Stage of development	Signs of activity
2009	First observation	Adult individual	nest, burrow, etc.

Coordinates of location/growing site:

Point [330490.00 6226325.00]

5. RAD-CICCIC063326 (White stork)

Habitat/growing site data:

Location code	RAD-CICCIC063326
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2009	First observation	Adult individual	nest, burrow, etc.

Coordinates of location/growing site:

Point [333111.00 6231372.00]

6. RAD-CICCIC015057 (White stork)

Habitat/growing site data:

Location code	RAD-CICCIC015057
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Breeding site/feeding site observation data:

Observation date	Breeding site status	Development stage	Signs of activity
2009	First observation	Young, immature individual	nest, burrow, etc.

Coordinates of location/growing site:

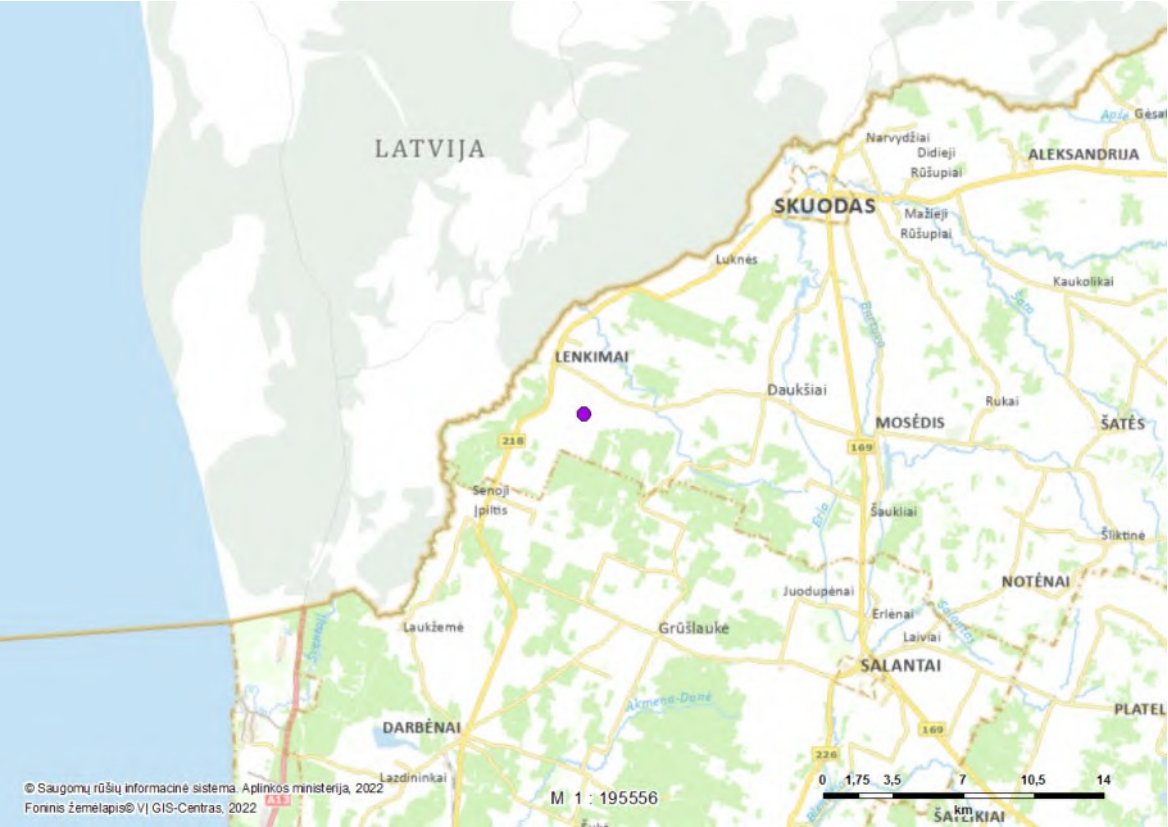
Point [331544.00 6230498.00]

7. RAD-CICCIC063331 (White stork)

Habitat/growing site data:

Location code	RAD-CICCIC063331
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2009	First observation	Adult individual	nest, burrow, etc.

Coordinates of location/growing site:

Point [334780.00 6229323.00]

8. RAD-CICCIC015054 (White stork)

Habitat/growing site data:

Location code	RAD-CICCIC015054
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Breeding site/habitat observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2009	First observation	Young, immature individual	nest, burrow, etc.

Coordinates of location/growing site:

Point [333204.00 6229157.00]

9. RAD-CICCIC063332 (White stork)

Habitat/growing site data:

Location code	RAD-CICCIC063332
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2009	First observation	Adult individual	nest, burrow, etc.

Coordinates of location/growing site:

Point [339754.00 6229701.00]

10. RAD-CICCIC063320 (White Stork)

Habitat/growing site data:

Location code	RAD-CICCIC063320
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2009	First observation	Adult individual	nest, burrow, etc.

Coordinates of location/growing site:

Point [330805.00 6226885.00]

11. RAD-CICCIC063330 (White Stork)

Habitat/growing site data:

Location code	RAD-CICCIC063330
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2009	First observation	Adult individual	nest, burrow, etc.

Coordinates of location/growing site:

Point [335783.00 6230116.00]

12. RAD-CICCIC063329 (White stork)

Data on the location of the site:

Radavietės/augavietės code	RAD-CICCIC063329
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2009	First observation	Adult individual	nest, burrow, etc.

Coordinates of location/growing site:

Point [333476.00 6232023.00]

13. RAD-CICCIC015062 (White stork)

Habitat/growing site data:

Location code	RAD-CICCIC015062
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2009	First observation	Young, immature individual	nest, burrow, etc.

Coordinates of location/growing site:

Point [340814.00 6230227.00]

14. RAD-CICCIC063327 (White stork)

Location data:

Location/habitat code	RAD-CICCIC063327
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2009	First observation	Adult individual	nest, burrow, etc.

Coordinates of location/growing site:

Point [333137.00 6232185.00]

15. RAD-CICCIC015051 (White Stork)

Habitat/growing site data:

Location code	RAD-CICCIC015051
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2009	First observation	young, immature individual	nest, burrow, etc.

Coordinates of the location where found:

Point [332262.00 6229117.00]

16. RAD-CICCIC015061 (White stork)

Location data:

Location code	RAD-CICCIC015061
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2009	First observation	Young, immature individual	nest, burrow, etc.

Coordinates of location/growing site:

Point [332553.00 6232005.00]

17. RAD-CICCIC063323 (White stork)

Data on the location/growing site:

Location code	RAD-CICCIC063323
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding sites	Stage of development	Signs of activity
2009	First observation	Adult individual	nest, burrow, etc.

Coordinates of location/habitat:

Point [333228.00 6228962.00]

18. RAD-CICCIC015075 (White stork)

Habitat/growing site data:

Location code	RAD-CICCIC015075
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2009	First observation	Young, immature individual	nest, burrow, etc.

Coordinates of location/growing site:

Point [341981.00 6230420.00]

19. RAD-CICCIC055072 (White stork)

Habitat/growing site data:

Location code	RAD-CICCIC055072
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of distribution/breeding sites:



Data from observations of radavietės/augavietės:

Observation date	Radavietės status	Stage of development	Signs of activity
2009	First observation	Young, immature individual	nest, burrow, etc.

Coordinates of location/growing site:

Point [330654.00 6224546.00]

20. RAD-CICCIC066067 (White stork)

Habitat/growing site data:

Location code	RAD-CICCIC066067
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2009	First observation	Adult individual	nest, burrow, etc.

Coordinates of location/growing site:

Point [332082.00 6223941.00]

21. RAD-CICCIC050387 (White stork)

Habitat/growing site data:

Location code	RAD-CICCIC050387
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2009	First observation	Young, immature individual	nest, burrow, etc.

Coordinates of location/growing site:

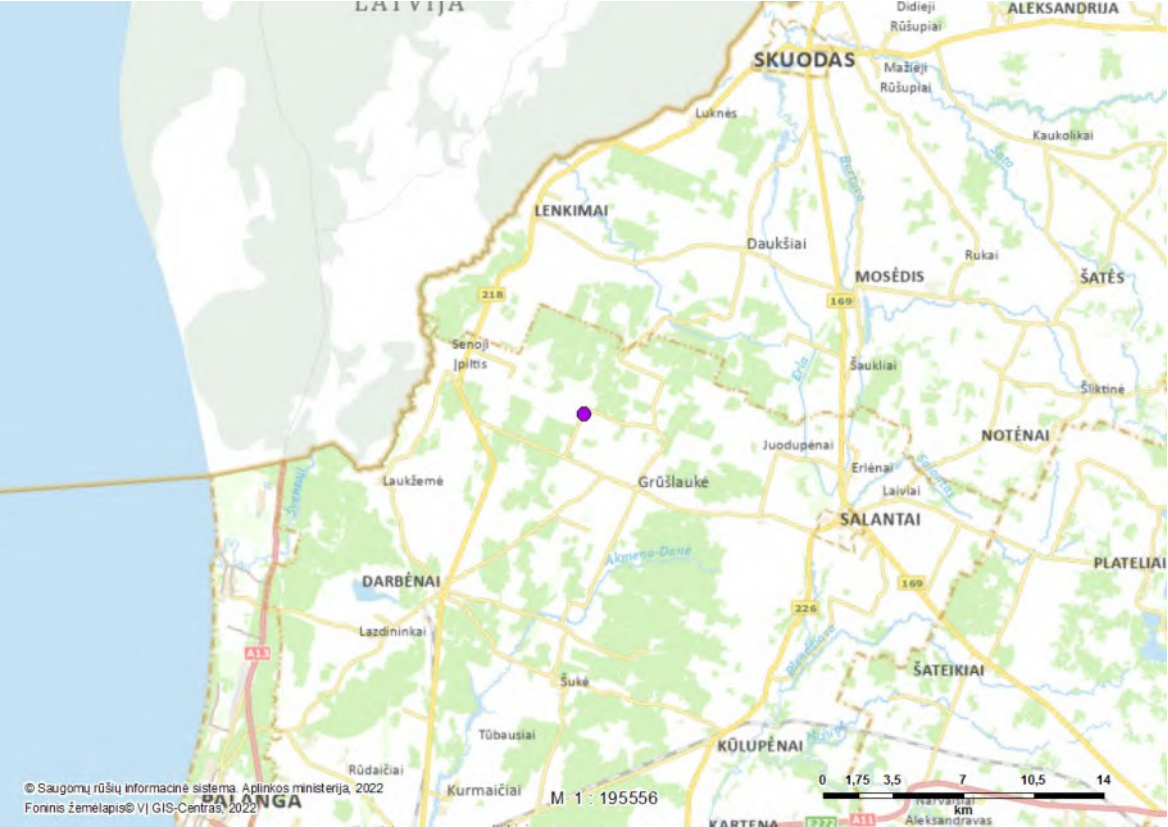
Point [333083.00 6233069.00]

22. RAD-CICCIC066263 (White stork)

Habitat/growing site data:

Location code	RAD-CICCIC066263
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2009	First observation	Adult individual	nest, burrow, etc.

Coordinates of location/growing site:

Point [335800.00 6222051.00]

23. RAD-CICCIC048323 (White stork)

Habitat/growing site data:

Location code	RAD-CICCIC048323
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2010	First observation	young, immature individual	nest, burrow, etc.

Coordinates of location/growing site:

Point [329970.00 6223906.00]

24. RAD-CICCIC048325 (White stork)

Habitat/growing site data:

Location code	RAD-CICCIC048325
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2010	First observation	young, immature individual	nest, burrow, etc.

Coordinates of location/growing site:

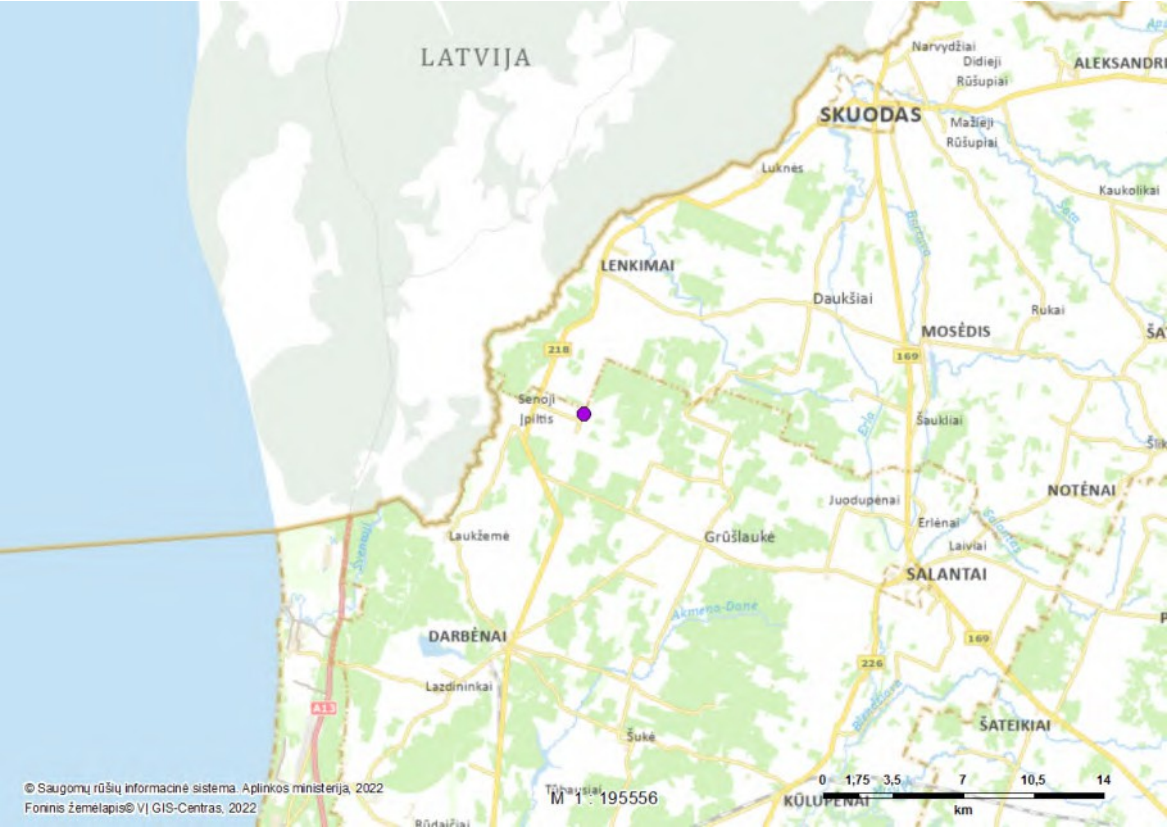
Point [329750.00 6224262.00]

25. RAD-CICCIC048333 (White stork)

Data on the location of the site:

Location code	RAD-CICCIC048333
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2010	First observation	young, immature individual	nest, burrow, etc.

Coordinates of location/growing site:

Point [332500.00 6224784.00]

26. RAD-CICCIC048331 (White stork)

Habitat/growing site data:

Location code	RAD-CICCIC048331
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2010	First observation	young, immature individual	nest, burrow, etc.

Coordinates of location/growing site:

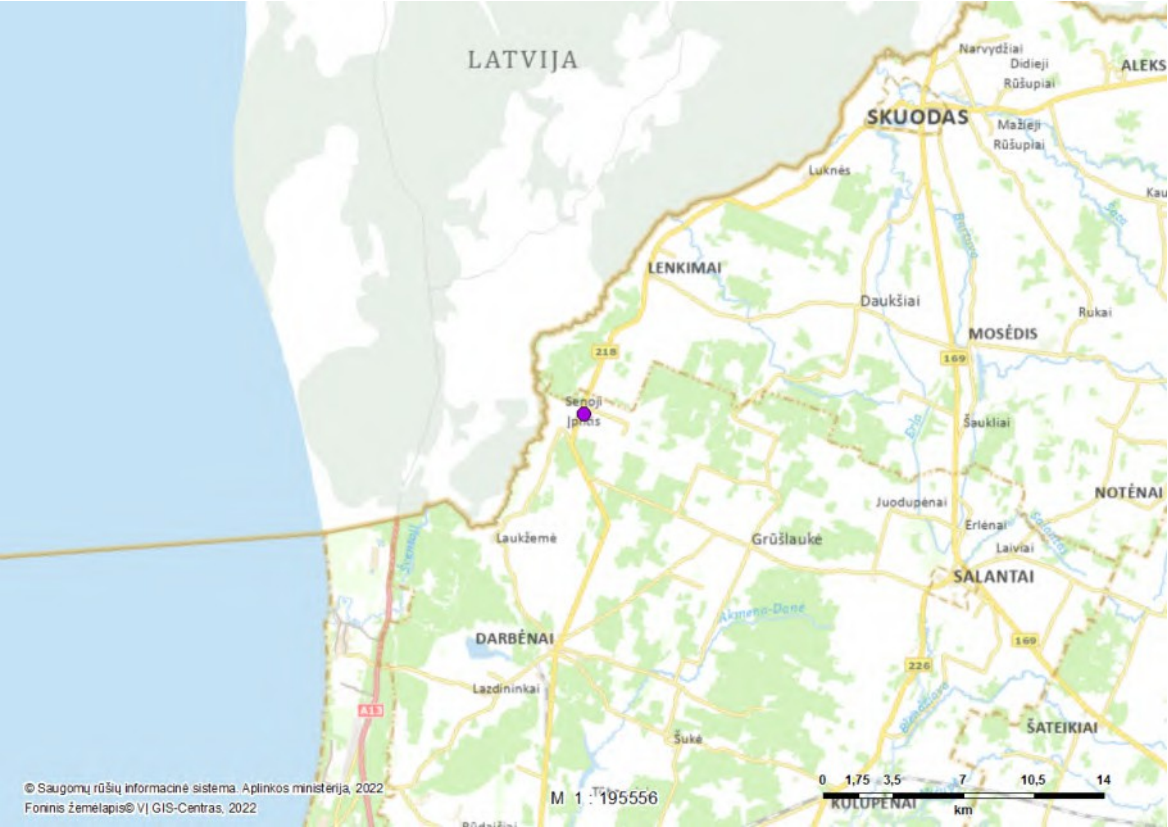
Point [332085.00 6224436.00]

27. RAD-CICCIC048328 (White stork)

Location/growth site data:

Location/growing site code	RAD-CICCIC048328
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2010	First observation	young, immature individual	nest, burrow, etc.

Coordinates of location/growing site:

Point [330152.00 6224897.00]

28. RAD-CICCIC048345 (White stork)

Location data:

Location code	RAD-CICCIC048345
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2010	First observation	young, immature individual	nest, burrow, etc.

Coordinates of the location/place of growth:

Point [331952.00 6223337.00]

29. RAD-CICCIC048338 (White stork)

Location data:

Location code	RAD-CICCIC048338
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2010	First observation	young, immature individual	nest, burrow, etc.

Coordinates of location/growing site:

Point [332183.00 6224037.00]

30. RAD-CICCIC048318 (White stork)

Habitat/growing site data:

Location code	RAD-CICCIC048318
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding sites	Stage of development	Signs of activity
2010	First observation	young, immature individual	nest, burrow, etc.

Coordinates of location/growing site:

Point [329181.00 6224084.00]

31. RAD-CICCIC048342 (White stork)

Habitat/growing site data:

Location code	RAD-CICCIC048342
Species (English name)	White stork
Species (Latin name)	Ciconia ciconia

Map of breeding sites/feeding grounds:



Observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2010	First observation	young, immature individual	nest, burrow, etc.

Coordinates of location/growing site:

Point [332519.00 6223995.00]

32. RAD-LEPTIM050697 (White hare)

Habitat/growing site data:

Location code	RAD-LEPTIM050697
Species (English name)	White hare
Species (Latin name)	Lepus timidus

Map of distribution/growth sites:



Data from observations of radavietės/augavietės:

Observation date	Radavietės status	Stage of development	Signs of activity
1991	[no data]	Adult individual	observed alive (flying, feeding, etc.)

Coordinates of location/habitat:

Point [328999.00 6227003.00]

33. AUG-DACLON084331 (Baltic longhorn beetle)

Location/habitat data:

Location code	AUG-DACLON084331
Species (English name)	Baltic hawkweed
Species (Latin name)	Dactylorhiza longifolia

Map of locations/habitats:



Habitat/growth site observation data:

Observation date	Status of location	Stage of development	Signs of activity
2013	First observation	flowering plant	[no data]

Coordinates of location/habitat:

Point [331371.85 6231168.27]

34. AUG-DACMAC045607 (Spotted lousewort)

Habitat/growth site data:

Location code	AUG-DACMAC045607
Species (English name)	Spotted woodpecker
Species (Latin name)	Dactylorhiza maculata

Map of locations/habitats:



Data from observations of radavietės/augavietės:

Observation date	Radavietės status	Stage of development	Signs of activity
1972	First observation	flowering plant	[no data]

Coordinates of location/habitat:

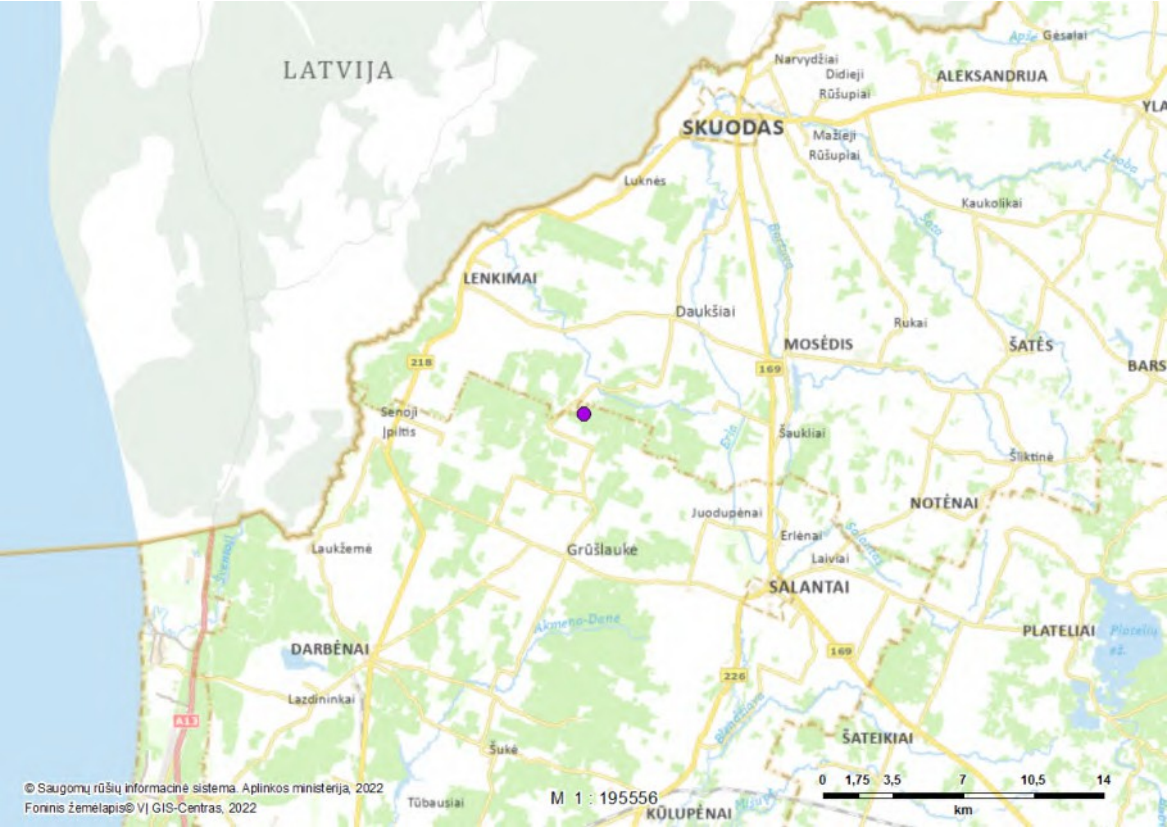
Point [330821.00 6226896.00]

35. AUG-DACMAC076894 (Spotted lousewort)

Location data:

Location code	AUG-DACMAC076894
Species (English name)	Spotted woodpecker
Species (Latin name)	Dactylorhiza maculata

Map of locations/habitats:



Habitat/growth site observation data:

Observation date	Habitat status	Stage of development	Signs of activity
1985	First observation	flowering plant	[no data]

Coordinates of location/habitat:

Point [339344.00 6225421.00]

36. AUG-DACMAC006191 (Spotted cat's ear)

Location data:

Location code	AUG-DACMAC006191
Species (English name)	Spotted lady's slipper
Species (Latin name)	Dactylorhiza maculata

Map of locations/habitats:



Data from observations of radavietės/augavietės:

Observation date	Radavietės status	Stage of development	Signs of activity
1991	First observation	seedling/vegetative plant	[no data]

Coordinates of location/growing site:

Point [328906.00 6225969.00]

37. RAD-CIRCYA061249 (Common ragwort)

Data on the location/growing site:

Site/growth location code	RAD-CIRCYA061249
Species (English name)	Corn louse
Species (Latin name)	Circus cyaneus

Map of distribution/habitat:



Habitat/growing site observation data:

Observation date	Habitat status	Development stage	Signs of activity
2014-12	[no data]	young, immature individual	observed alive (flying, feeding, etc.)

Coordinates of location/habitat:

Point [331191.84 6225325.63]

38. RAD-CIRCYA061248 (Javinė lingė)

Habitat/growing site data:

Location code	RAD-CIRCYA061248
Species (English name)	Corn louse
Species (Latin name)	Circus cyaneus

Map of radavietės/augavietės:



Radavietės/augavietės observation data:

Observation date	Status of radavietės	Development stage	Signs of activity
2014-12	[no data]	young, immature individual	observed alive (flying, feeding, etc.)

Coordinates of location/habitat:

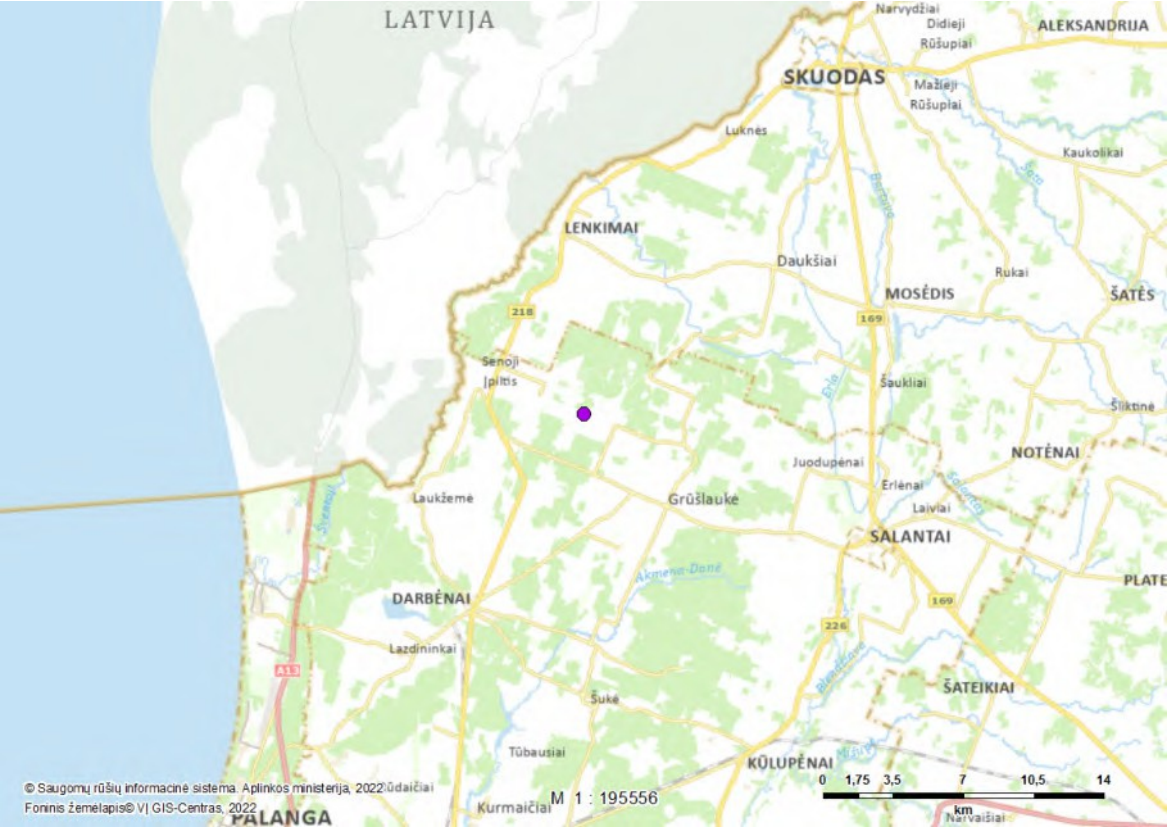
Point [334451.00 6231751.75]

39. AUG-PEDSCE005476 (Karališkoji glindė)

Habitat/growing site data:

Location code	AUG-PEDSCE005476
Species (English name)	Royal fern
Species (Latin name)	Pedicularis sceptrum-carolinum

Map of distribution/growth sites:



Habitat/growth site observation data:

Observation date	Habitat status	Development stage	Signs of activity
May	First observation	seedling/vegetative plant	[no data]

Coordinates of location/growing site:

Point [334303.00 6222908.00]

40. AUG-ERIGRA021738 (Slender sedge)

Site/growth location data:

Site/growth location code	AUG-ERIGRA021738
Species (English name)	Slender sedge
Species (Latin name)	Eriophorum gracile

Map of distribution/habitat:



Habitat/growth site observation data:

Observation date	Habitat status	Development stage	Signs of activity
2012	First observation	seedling/vegetative plant	[no data]

Coordinates of location/growing site:

Point [328991.00 6227107.00]

41. RAD-LYNLYN040370 (Lūšis)

Location/growing site data:

Site/growing location code	RAD-LYNLYN040370
Species (Lithuanian name)	Lynx
Species (Latin name)	Lynx lynx

Map of distribution/habitat:



Habitat/growing site observation data:

Observation date	Habitat condition	Development stage	Signs of activity
1993	[no data]	[no data]	Observed alive (flying, feeding, etc.)

Coordinates of location/habitat:

Point [336001.00 6228005.00]

42. RAD-LYNLYN042108 (Lūšis)

Habitat/growing site data:

Location code	RAD-LYNLYN042108
Species (English name)	Lynx
Species (Latin name)	Lynx lynx

Map of distribution/habitat:



Habitat/growing site observation data:

Observation date	Habitat condition	Development stage	Signs of activity
1996	[no data]	Signs of activity observed	Traces observed

Coordinates of location/growth site:

Point [327999.00 6226005.00]

43. RAD-LYNLYN042113 (Lūšis)

Find spot/growth site data:

Site/growth location code	RAD-LYNLYN042113
Species (Lithuanian name)	Lynx
Species (Latin name)	Lynx lynx

Map of distribution/habitat:



Habitat/growing site observation data:

Observation date	Habitat condition	Development stage	Signs of activity
1996	[no data]	Signs of activity observed	Traces observed

Coordinates of location/growth site:

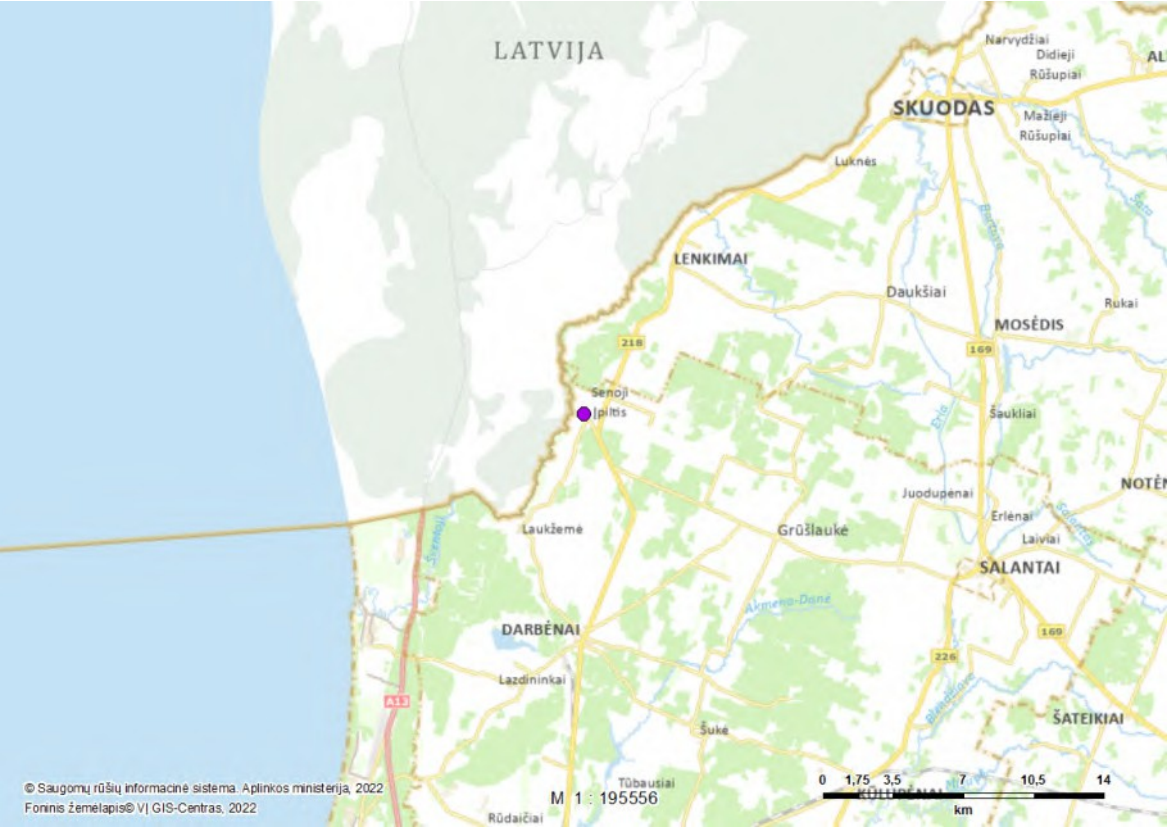
Point [337319.00 6226304.00]

44. RAD-PAPMAC054400 (Machaonas)

Find spot/growth site data:

Site/growth location code	RAD-PAPMAC054400
Species (English name)	Machaonas
Species (Latin name)	Papilio machaon

Map of distribution/habitat:



Habitat/growing site observation data:

Observation date	Habitat status	Development stage	Signs of activity
2011	[no data]	Adult	observed alive (flying, feeding, etc.)

Coordinates of location/habitat:

Point [328853.00 6224448.00]

45. AUG-ORCMOR048961 (Small anacanthopus)

Location data:

Location code	AUG-ORCMOR048961
Species (English name)	Small anachanthus
Species (Latin name)	Anacamptis morio

Map of distribution/growth sites:



Habitat/growth site observation data:

Observation date	Habitat status	Development stage	Signs of activity
1970	First observation	flowering plant	[no data]

Coordinates of location/habitat:

Point [332480.00 6232281.00]

46. AUG-ORCMOR006002 (Small anacanthus)

Data on location/growing site:

Find spot/growth site code	AUG-ORCMOR006002
Species (English name)	Small anacanthus
Species (Latin name)	Anacamptis morio

Map of distribution/growth sites:



Habitat/growth site observation data:

Observation date	Habitat status	Development stage	Signs of activity
1992	[no data]	flowering plant	[no data]

Coordinates of location/habitat:

Point [328292.27 6227199.98]

47. RAD-ISCPUM084324 (Mažoji išnura)

Data on the location/growing site:

Site/growth location code	RAD-ISCPUM084324
Type (Lithuanian name)	Small ishnura
Species (Latin name)	Ischnura pumilio

Map of distribution/habitat:



Habitat/growing site observation data:

Observation date	Habitat status	Development stage	Signs of activity
2013	First observation	Adult individual	observed alive (flying, feeding, etc.)

Coordinates of location/habitat:

Point [331548.37 6231003.17]

48. AUG-SESCAE078522 (Blue-winged skimmer)

Find site/growth site data:

Location code	AUG-SESCAE078522
Species (English name)	Melsvasis mėlitas
Species (Latin name)	Sesleria caerulea

Map of distribution/habitat:



Habitat/growth site observation data:

Observation date	Habitat condition	Development stage	Signs of activity
1940	First observation	seedling/vegetative plant	[no data]

Coordinates of location/growing site:

Point [330597.00 6226951.00]

49. AUG-SESCAE078489 (Blue moor grass)

Location data:

Site/location code	AUG-SESCAE078489
Species (English name)	Blue-veined
Species (Latin name)	Sesleria caerulea

Map of distribution/habitat:



Habitat/growth site observation data:

Observation date	Habitat condition	Development stage	Signs of activity
1940	First observation	seedling/vegetative plant	[no data]

Coordinates of location/growing site:

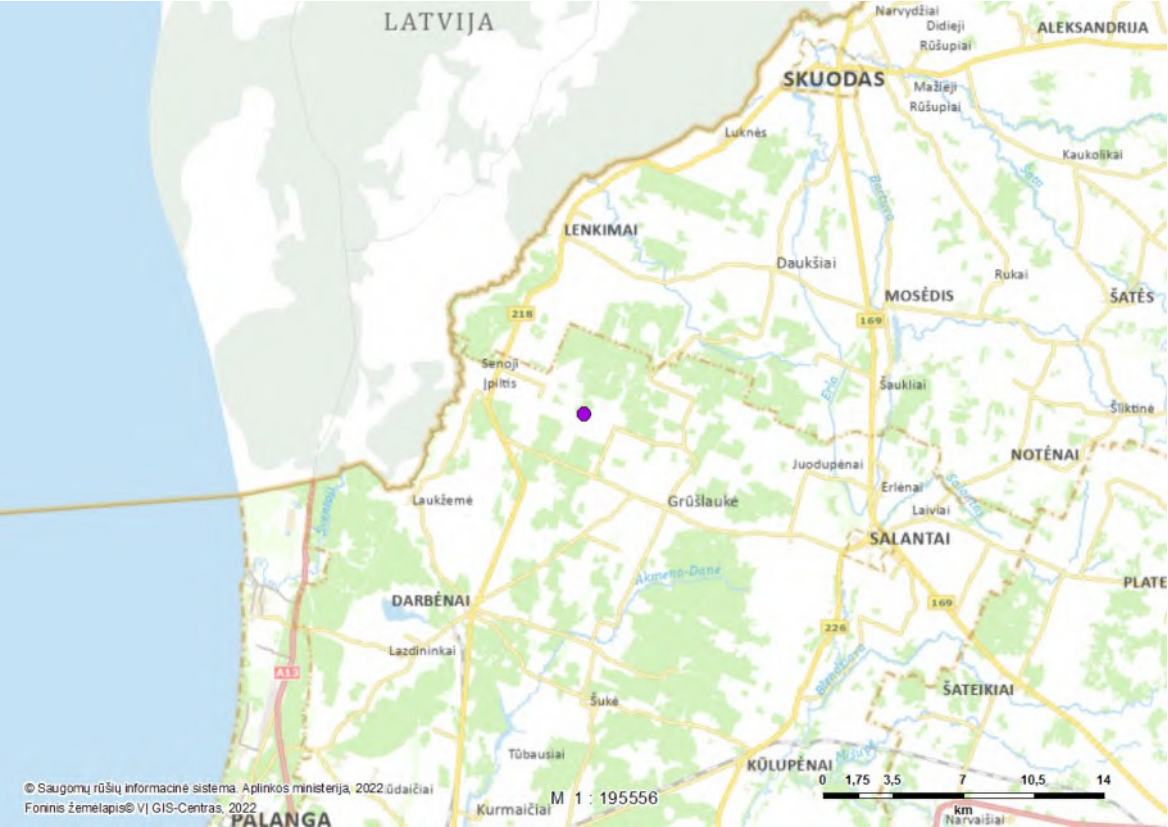
Point [330397.00 6225948.00]

50. AUG-SESCAE005459 (Blue-grey moth)

Location/growing site data:

Location code	AUG-SESCAE005459
Species (English name)	Blue-veined
Species (Latin name)	Sesleria caerulea

Map of distribution/growth sites:



Habitat/growth site observation data:

Observation date	Habitat condition	Development stage	Signs of activity
May	First observation	seedling/vegetative plant	[no data]

Coordinates of location/growing site:

Point [334325.63 6223012.19]

51. AUG-SESCAE006192 (Blue moor grass)

Habitat/growth site data:

Site/location code	AUG-SESCAE006192
Species (English name)	Melsvasis mėlitas
Species (Latin name)	Sesleria caerulea

Map of distribution/growth sites:



Habitat/growth site observation data:

Observation date	Habitat condition	Development stage	Signs of activity
1991	First observation	seedling/vegetative plant	[no data]

Coordinates of location/growing site:

Point [328909.00 6225975.00]

52. AUG-SESCAE005190 (Blueberry)

Location/growing site data:

Location code	AUG-SESCAE005190
Species (English name)	Blue moor grass
Species (Latin name)	Sesleria caerulea

Map of distribution/growth sites:



Habitat/growth site observation data:

Observation date	Habitat condition	Development stage	Signs of activity
1992	[no data]	flowering plant	[no data]

Coordinates of location/habitat:

Point [328911.69 6225996.57]

53. AUG-SESCAE024541 (Blue moor grass)

Habitat/growth site data:

Site/location code	AUG-SESCAE024541
Species (English name)	Blue-veined
Species (Latin name)	Sesleria caerulea

Map of distribution/habitat:



Habitat/growth site observation data:

Observation date	Habitat condition	Development stage	Signs of activity
2012	First observation	seedling/vegetative plant	[no data available]

Coordinates of the site/location:

Point [334984.00 6226047.00]

54. AUG-SESCAE024540 (Blue-grey moth)

Find spot/growth site data:

Site/location code	AUG-SESCAE024540
Species (English name)	Melsvasis mėlitas
Species (Latin name)	Sesleria caerulea

Map of distribution/habitat:



Habitat/growth site observation data:

Observation date	Habitat condition	Development stage	Signs of activity
2012	First observation	seedling/vegetative plant	[no data]

Coordinates of location/growing site:

Point [334170.00 6222964.00]

55. AUG-SESCAE024546 (Blue moor grass)

Location/growth site data:

Site/location code	AUG-SESCAE024546
Species (English name)	Melsvasis mėlitas
Species (Latin name)	Sesleria caerulea

Map of distribution/habitat:



Habitat/growth site observation data:

Observation date	Habitat condition	Development stage	Signs of activity
2012-08	First observation	seedling/vegetative plant	[no data]

Coordinates of location/growing site:

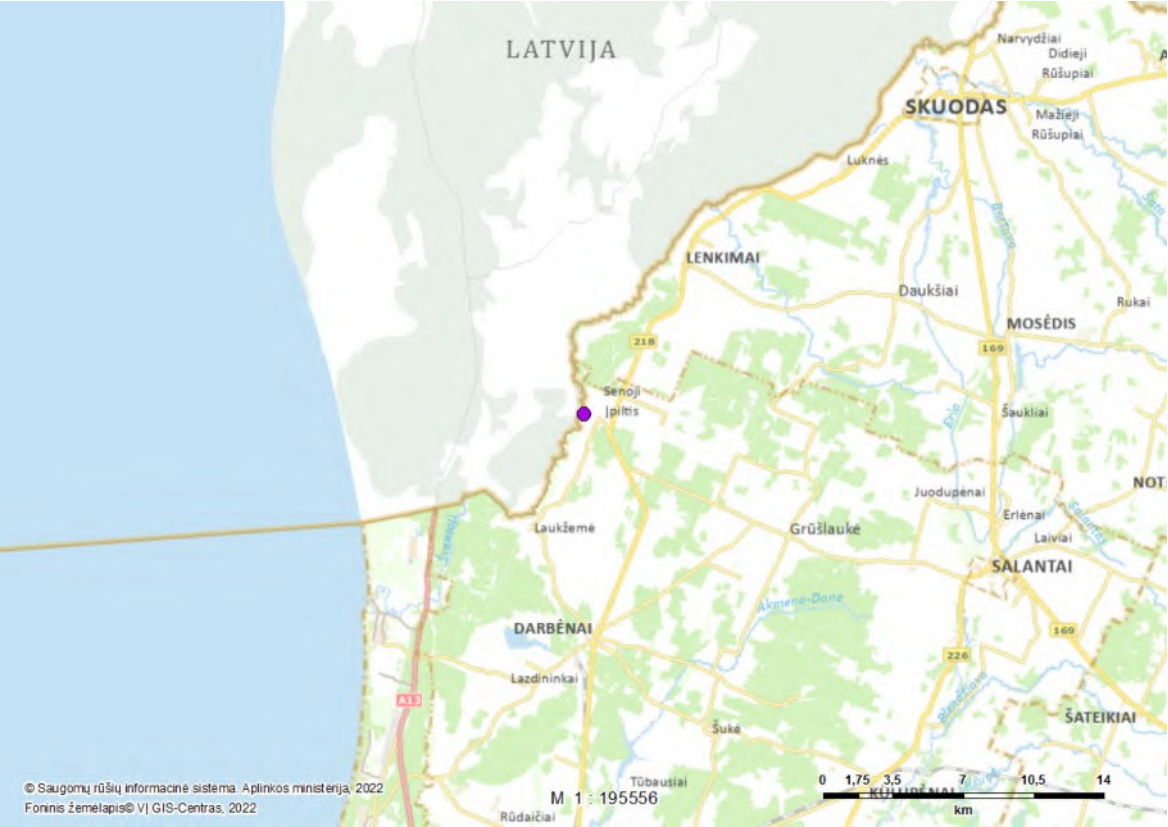
Point [335641.00 6227342.00]

56. RAD-UNICRA098048 (Oval leaf)

Site/growth location data:

Site/location code	RAD-UNICRA098048
Species (English name)	Oval-leaved bedstraw
Species (Latin name)	Unio crassus

Map of distribution/growth sites:



Habitat/growth site observation data:

Observation date	Habitat condition	Stage of development	Signs of activity
2016	[no data]	Adult individual at breeding site (nest, burrow, etc.)	observed alive (flying, feeding, etc.)

Coordinates of the location/growing site:

Point [328246.26 6224389.56]

57. RAD-CRECRE084544 (Common buzzard)

Location/growing site data:

Location code	RAD-CRECRE084544
Species (English name)	Common ragwort
Species (Latin name)	Crex crex

Map of locations/habitats:



Habitat/growing site observation data:

Observation date	Status of location	Stage of development	Signs of activity
2015-07-02	First observation	adult individual	other signs of presence (voices, etc.)

Coordinates of location/growth site:

Point [331398.83 6231230.45]

58. AUG-LEJCAV048488 (Common plover)

Find site/growth site data:

Location code	AUG-LEJCAV048488
Species (English name)	Common ragwort
Species (Latin name)	Lejeunea cavifolia

Map of distribution/growth sites:



Habitat/growth site observation data:

Observation date	Habitat status	Development stage	Signs of activity
2002	First observation	seedling/vegetative plant	[no data]

Coordinates of location/growing site:

Point [335972.00 6224922.00]

59. AUG-PINVUL006003 (Common tuft)

Location/growth site data:

Location code	AUG-PINVUL006003
Species (English name)	Common buckthorn
Species (Latin name)	Pinguicula vulgaris

Map of locations/habitats:



Habitat/growth site observation data:

Observation date	Habitat condition	Stage of development	Signs of activity
July 2, 1990	[no data]	flowering plant	[no data]

Coordinates of location/growth site:

Line [331810.06 6226935.74, 331788.89 6226963.26]

60. AUG-HELPR074406 (Meadow oatgrass)

Data on location/habitat:

Location code	AUG-HELPR074406
Species (English name)	Pievinė avižaitė
Species (Latin name)	Helictotrichon pratense

Distribution map:



Habitat/growth site observation data:

Observation date	Habitat status	Development stage	Signs of activity
1970	First observation	seedling/vegetative plant	[no data]

Coordinates of location/growing site:

Point [332320.00 6231925.00]

61. AUG-CARBUX073198 (Meadow vetchling)

Habitat/growing site data:

Site/growing location code	AUG-CARBUX073198
Species (English name)	Meadow vetchling
Species (Latin name)	Carex buxbaumii

Map of distribution/habitat:



Habitat/growth site observation data:

Observation date	Habitat condition	Development stage	Signs of activity
1972	First observation	seedling/vegetative plant	[no data]

Coordinates of location/growing site:

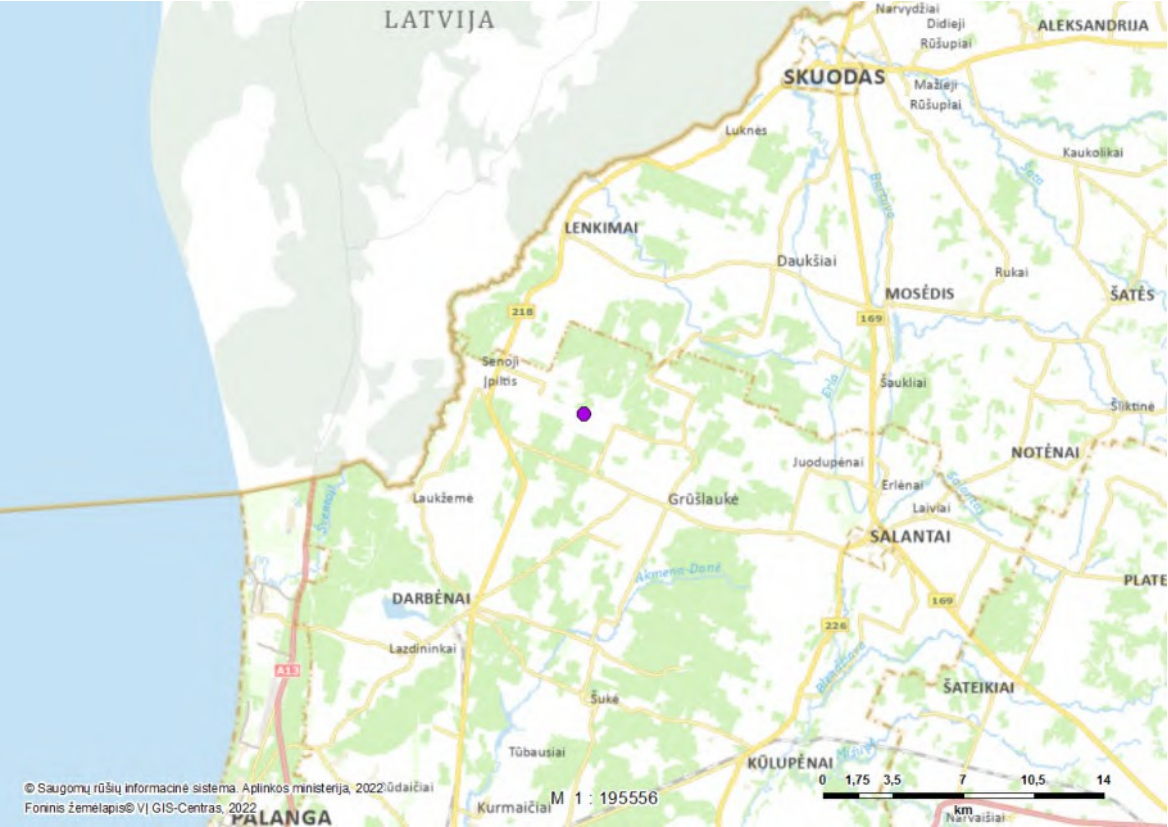
Point [330259.00 6228705.00]

62. AUG-CARBUX005464 (Meadow vetchling)

Habitat/growth site data:

Site/growing location code	AUG-CARBUX005464
Species (English name)	Meadow vetchling
Species (Latin name)	Carex buxbaumii

Distribution map:



Habitat/growth site observation data:

Observation date	Habitat condition	Development stage	Signs of activity
May	First observation	seedling/vegetative plant	[no data]

Coordinates of location/growing site:

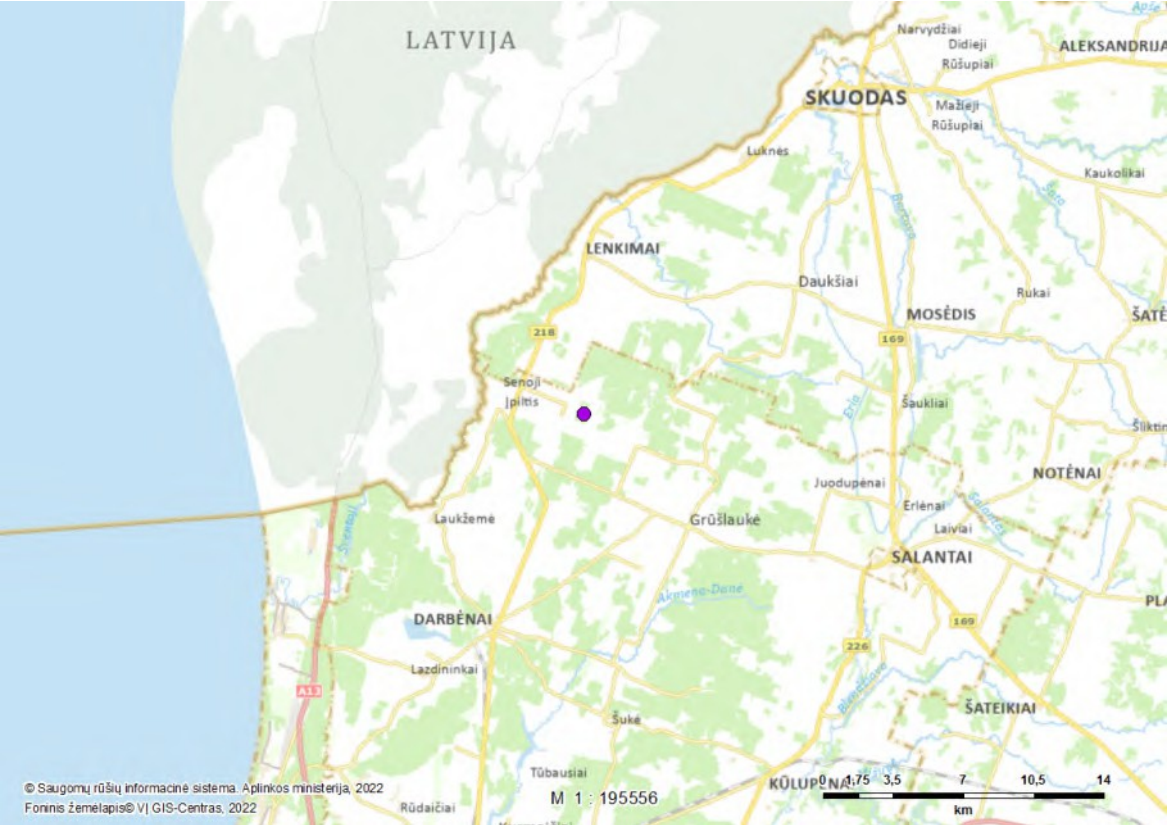
Point [334305.00 6222907.00]

63. RAD-ASTAST036739 (Broad-leaved marshwort)

Habitat/growth site data:

Site/location code	RAD-ASTAST036739
Species (English name)	Broad-clawed crayfish
Species (Latin name)	Astacus astacus

Map of distribution/growth sites:



Habitat/growing site observation data:

Observation date	Status of habitat	Development stage	Signs of activity
September 30, 1969	Disappeared	[no data]	[no data]

Coordinates of the site/location:

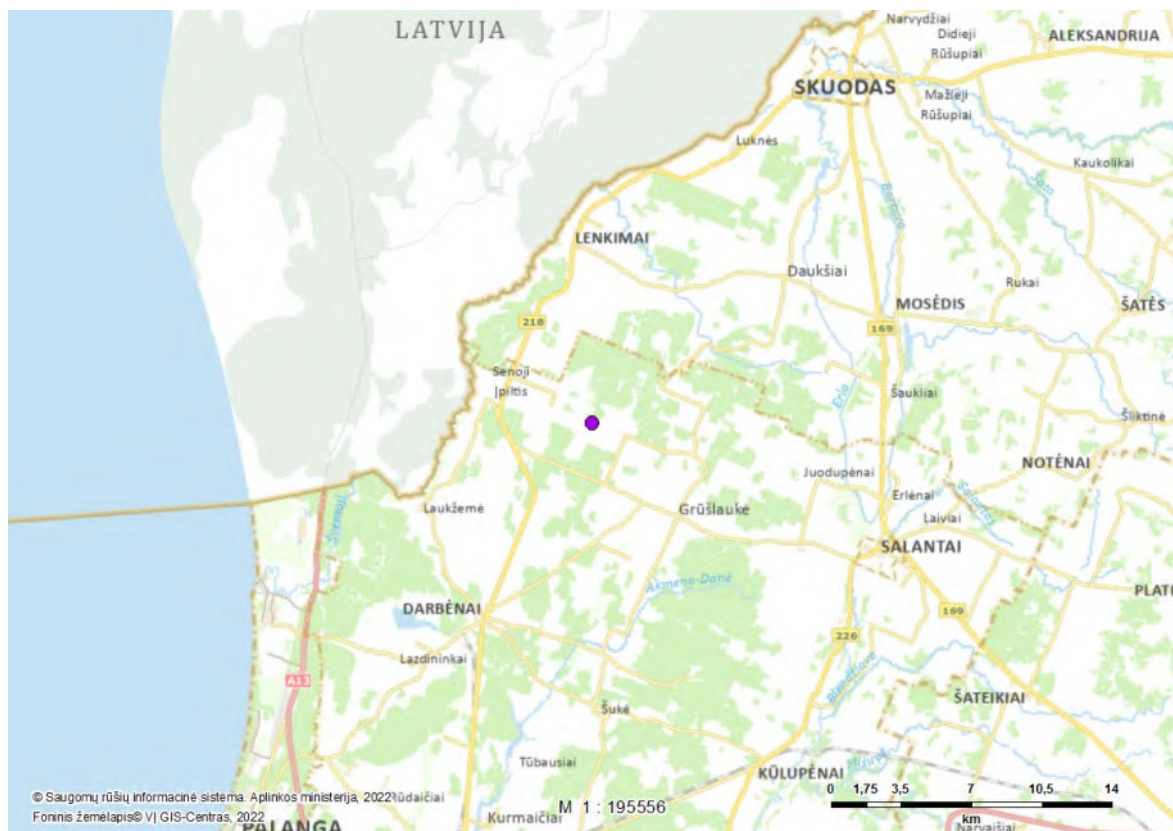
Point [333229.07 6223930.71]

64. AUG-CARDIS014271 (Intermittent stream)

Findspot/growth site data:

Find spot/growing site code	AUG-CARDIS014271
Species (English name)	Intermittent buckthorn
Species (Latin name)	Carex distans

Map of location/habitat:



Habitat/growth site observation data:

Observation date	Habitat condition	Development stage	Signs of activity
2012	First observation	seedling/vegetative plant	[no data]

Coordinates of location/growing site:

Point [334170.00 6222964.00]

65. RAD-NYCNOC084543 (Red nightshade)

Location/growing site data:

Location code	RAD-NYCNOC084543
Species (English name)	Red nakviša
Species (Latin name)	Nyctalus noctula

Map of breeding sites/feeding grounds:



Habitat/growing site observation data:

Observation date	Status of breeding site	Development stage	Signs of activity
2013-06-29	First observation	adult individual	observed alive (flying, feeding, etc.)

Coordinates of location/habitat:

Point [331770.04 6231225.16]

66. AUG-IRISIB076998 (Siberian wolf)

Habitat/growing site data:

Location code	AUG-IRISIB076998
Species (English name)	Siberian wolf's-bane
Species (Latin name)	Iris sibirica

Map of distribution/growth sites:



Habitat/growth site observation data:

Observation date	Habitat status	Development stage	Signs of activity
1985	First observation	flowering plant	[no data]

Coordinates of location/habitat:

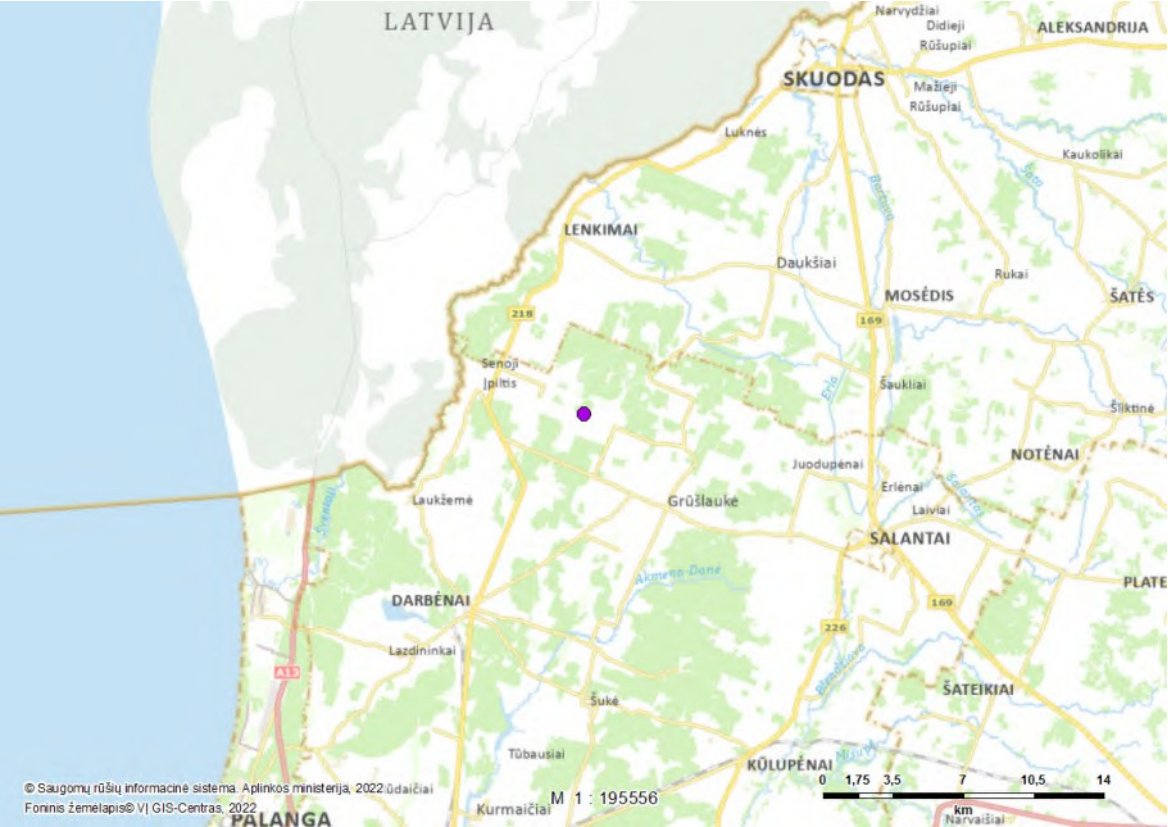
Point [336862.00 6226906.00]

67. AUG-IRISIB005457 (Siberian wolfsbane)

Habitat/growing site data:

Location code	AUG-IRISIB005457
Species (English name)	Siberian wolfsbane
Species (Latin name)	Iris sibirica

Distribution map:



Habitat/growth site observation data:

Observation date	Location	Stage of development	Signs of activity
May 30	First observation	Flowering plant	[no data]

Coordinates of location/site:

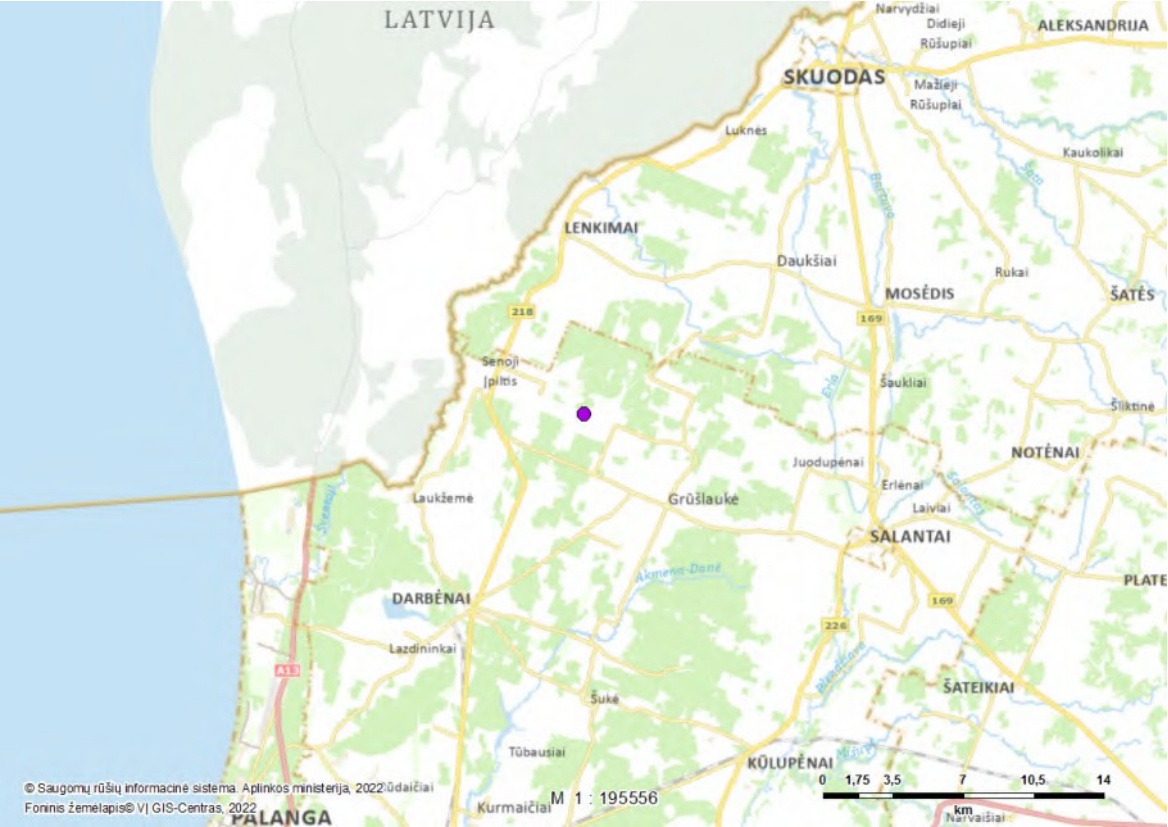
Point [334324.31 6223001.35]

68. AUG-IRISIB005462 (Siberian wolfsbane)

Habitat/growth site data:

Location code	AUG-IRISIB005462
Species (English name)	Siberian wolfsbane
Species (Latin name)	Iris sibirica

Map of distribution/growth sites:



Habitat/growth site observation data:

Observation date	Habitat status	Development stage	Signs of activity
May	First observation	Flowering plant	[no data]

Coordinates of location/habitat:

Point [334304.00 6222906.00]

69. AUG-IRISIB006004 (Siberian iris)

Habitat/growing site data:

Location code	AUG-IRISIB006004
Species (English name)	Siberian wolfsbane
Species (Latin name)	Iris sibirica

Map of radavietės/augavietės:



Radavietės/augavietės observation data:

Observation date	Status of radavietės	Development stage	Signs of activity
1990	[no data]	flowering plant	[no data]

Coordinates of location/growth site:

Polygon [335419.45 6228450.91, 335411.51 6228476.05, 335402.25 6228493.25, 335390.35 6228511.77, 335240.86 6228576.59, 335190.59 6228577.91, 335170.74 6228555.42, 335170.74 6228528.96, 335217.04 6228505.15, 335422.10 6228412.55 335563.65 6228341.11, 335572.91 6228359.63, 335562.33 6228391.38, 335512.05 6228433.71, 335484.27 6228446.94, 335439.29 6228439.01, 335419.45 6228450.91]

70. AUG-IRISIB006196 (Siberian wolf)

Location/growth site data:

Location/growth site code	AUG-IRISIB006196
Species (English name)	Siberian wolf's bane
Species (Latin name)	Iris sibirica

Map of distribution/growth sites:



Habitat/growth site observation data:

Observation date	Habitat status	Development stage	Signs of activity
1991	First observation	seedling/vegetative plant	[no data]

Coordinates of location/growing site:

Point [329516.00 6226250.00]

71. AUG-IRISIB006195 (Siberian wolfsbane)

Data on the location of the site:

Location code	AUG-IRISIB006195
Species (English name)	Siberian wolf's bane
Species (Latin name)	Iris sibirica

Distribution map:



Habitat/growth site observation data:

Observation date	Habitat status	Development stage	Signs of activity
1991	First observation	seedling/vegetative plant	[no data]

Coordinates of location/growing site:

Point [328841.00 6226535.00]

72. AUG-IRISIB006194 (Siberian wolfsbane)

Habitat/growth site data:

Location code	AUG-IRISIB006194
Species (English name)	Siberian wolfsbane
Species (Latin name)	Iris sibirica

Map of distribution/growth sites:



Habitat/growth site observation data:

Observation date	Habitat status	Development stage	Signs of activity
1991	First observation	seedling/vegetative plant	[no data]

Coordinates of location/growing site:

Point [328874.00 6227097.00]

73. AUG-IRISIB006193 (Siberian wolf)

Location/growth site data:

Location/growing site code	AUG-IRISIB006193
Species (English name)	Siberian wolf's bane
Species (Latin name)	Iris sibirica

Distribution map:



Habitat/growth site observation data:

Observation date	Habitat status	Development stage	Signs of activity
1991	First observation	seedling/vegetative plant	[no data]

Coordinates of location/growing site:

Point [329410.00 6227465.00]

74. AUG-IRISIB006197 (Siberian wolfsbane)

Habitat/growth site data:

Location code	AUG-IRISIB006197
Species (English name)	Siberian wolf's-bane
Species (Latin name)	Iris sibirica

Map of distribution/habitat:



Habitat/growth site observation data:

Observation date	Habitat status	Development stage	Signs of activity
1991	First observation	seedling/vegetative plant	[no data]

Coordinates of the location/growing site:

Point [328623.00 6226078.00]

75. AUG-IRISIB006190 (Siberian wolfsbane)

Location data:

Location code	AUG-IRISIB006190
Species (English name)	Siberian wolf's-bane
Species (Latin name)	Iris sibirica

Map of distribution/growth sites:



Habitat/growth site observation data:

Observation date	Habitat status	Development stage	Signs of activity
1991	First observation	seedling/vegetative plant	[no data]

Coordinates of location/growing site:

Point [328905.00 6225964.00]

76. AUG-IRISIB005126 (Siberian wolfsbane)

Habitat/growing site data:

Location code	AUG-IRISIB005126
Species (English name)	Siberian wolf's-bane
Species (Latin name)	Iris sibirica

Map of distribution/growth sites:



Habitat/growth site observation data:

Observation date	Habitat status	Stage of development	Signs of activity
31 May 1992	[no data]	flowering plant	[no data]

Coordinates of location/growth site:

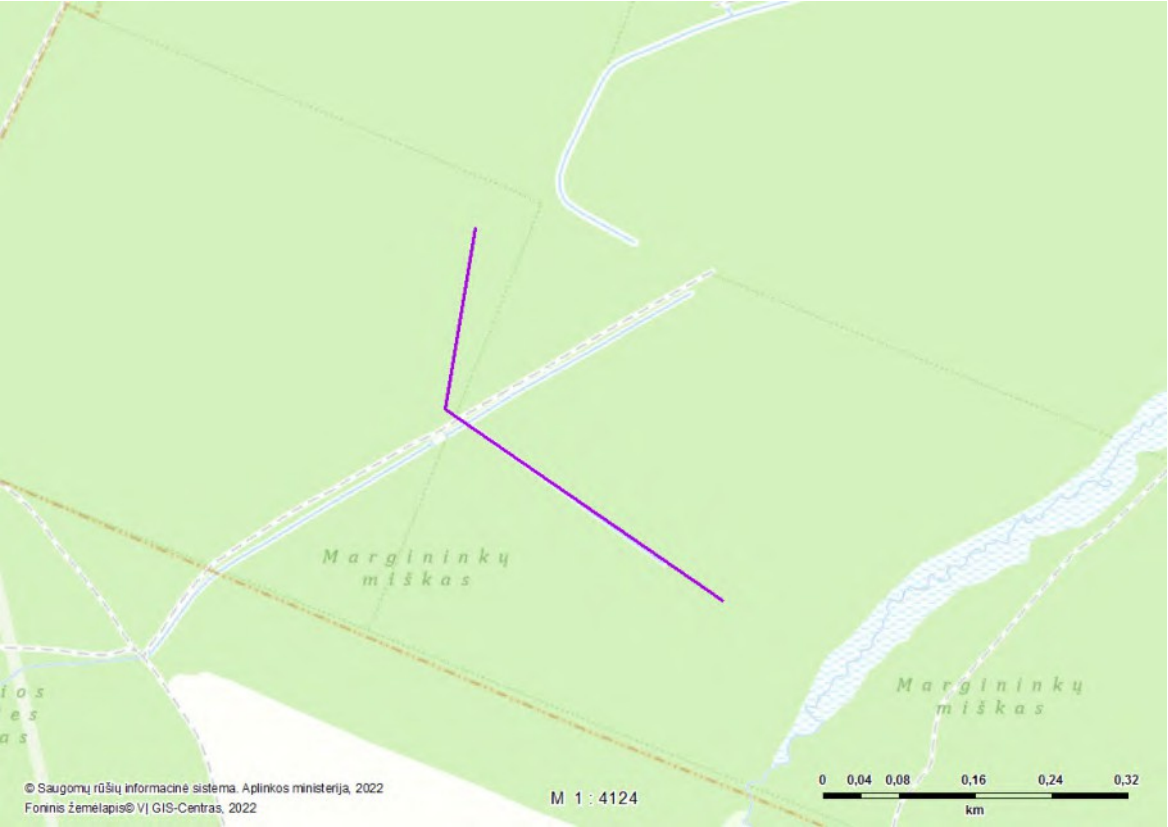
Polygon [335359.27 6224708.98, 334978.27 6224828.05, 334835.39 6224476.15, 335208.46 6224322.69, 335359.27 6224708.98]

77. AUG-IRISIB005129 (Siberian wolf)

Location/growth site data:

Location/growing site code	AUG-IRISIB005129
Species (English name)	Siberian wolf's bane
Species (Latin name)	Iris sibirica

Map of distribution/growth sites:



Habitat/growth site observation data:

Observation date	Habitat status	Development stage	Signs of activity
1992	[no data]	flowering plant	[no data]

Coordinates of location/habitat:

Line [329196.47 6225792.37, 328905.43 6225993.45, 328937.18 6226183.95]

78. AUG-IRISIB005191 (Siberian wolfsbane)

Location/growing site data:

Location/growth site code	AUG-IRISIB005191
Species (English name)	Siberian wolfsbane
Species (Latin name)	Iris sibirica

Map of distribution/growth sites:



Data from observations of radavietės/augavietės:

Observation date	Radavietės status	Stage of development	Signs of activity
1992	[no data]	seedling/vegetative plant	[no data]

Coordinates of location/growing site:

Point [328915.06 6225991.99]

79. AUG-IRISIB005130 (Siberian wolfberry)

Location data:

Location code	AUG-IRISIB005130
Species (English name)	Siberian wolf's bane
Species (Latin name)	Iris sibirica

Map of distribution/growth sites:



Habitat/growth site observation data:

Observation date	Habitat status	Development stage	Signs of activity
1992	[no data]	flowering plant	[no data]

Coordinates of location/growth site:

Polygon [329264.47 6227267.42, 329452.32 6227346.80, 329447.03 6227405.00, 329248.59 6227534.65, 329129.53 6227545.23, 328894.05 6227457.92, 328846.42 6227405.00, 328867.59 6227360.02, 329118.95 6227251.55, 329264.47 6227267.42]

80. AUG-IRISIB005128 (Siberian wolf)

Location/growth site data:

Find site/growth site code	AUG-IRISIB005128
Species (English name)	Siberian wolf
Species (Latin name)	Iris sibirica

Map of distribution/growth sites:



Habitat/growth site observation data:

Observation date	Habitat status	Stage of development	Signs of activity
1992	[no data]	flowering plant	[no data]

Coordinates of location/growth site:

Polygon [328259.31 6227148.62, 328261.96 6227160.26, 328256.14 6227180.37, 328245.56 6227187.78, 328238.15 6227189.90, 328230.74 6227188.31, 328224.39 6227175.08, 328227.56 6227157.09, 328237.62 6227144.39, 328249.26 6227143.86, 328259.31 6227148.62]

81. AUG-EPIATR048314 (Dark-leaved skiautalūpis)

Location/growth site data:

Location/growth site code	AUG-EPIATR048314
Species (English name)	Dark-leaved skiautalūpis
Species (Latin name)	Epipactis atrorubens

Map of location/habitat:



Habitat/growth site observation data:

Observation date	Habitat status	Development stage	Signs of activity
1960	First observation	Flowering plant	[no data]

Coordinates of the site/location:

Point [333381.00 6231812.00]

82. RAD-MELDIA084317 (Dark-colored skipper)

Data on the location of the site/growing site:

Location code	RAD-MELDIA084317
Species (English name)	Dark-winged skipper
Species (Latin name)	Melitaea diamina

Map of distribution/habitat:



Habitat/growing site observation data:

Observation date	Habitat status	Development stage	Signs of activity
2013	First observation	Adult individual	observed alive (flying, feeding, etc.)

Coordinates of location/habitat:

Point [331667.92 6231408.52]

83. AUG-ORCMAS049914 (Male cuckoo)

Find site/growth site data:

Location code	AUG-ORCMAS049914
Species (English name)	Male lily
Species (Latin name)	Orchis mascula

Map of location/habitat:



Habitat/growth site observation data:

Observation date	Habitat status	Stage of development	Signs of activity
1972	First observation	flowering plant	[no data available]

Coordinates of the site/place of origin:

Point [337125.00 6231669.00]

84. AUG-ORCMAS006000 (Male cuckoo)

Data on the location/growing site:

Location code	AUG-ORCMAS006000
Species (English name)	Male lily of the valley
Species (Latin name)	Orchis mascula

Map of location/habitat:



Habitat/growth site observation data:

Observation date	Habitat status	Stage of development	Signs of activity
1992	[no data]	flowering plant	[no data]

Coordinates of location/growth site:

Point [328253.23 6227214.24]

85. AUG-CIRHET005249 (Variable-leaved usnis)

Location/habitat data:

Location code	AUG-CIRHET005249
Species (English name)	Variable-leaved usnis
Species (Latin name)	Cirsium heterophyllum

Map of locations/habitats:



Distribution/habitat observation data:

Observation date	Habitat status	Development stage	Signs of activity
1991	[no data]	flowering plant	[no data]

Coordinates of the site/location:

Line [338917.08 6230808.77, 339048.84 6230757.44]

86. RAD-EPTNIL084542 (Northern thicket)

Data on the site/location:

Site code	RAD-EPTNIL084542
Species (Lithuanian name)	Northern bog
Species (Latin name)	Eptesicus nilssoni

Map of breeding sites/feeding grounds:



Habitat/feeding site observation data:

Observation date	Habitat status	Development stage	Signs of activity
2013	First observation	Signs of activity observed	observed alive (flying, feeding, etc.)

Coordinates of location/habitat:

Point [331716.33 6231199.23]

87. RAD-LUTLUT047617 (Otter)

Find site/growth site data:

Location code	RAD-LUTLUT047617
Species (English name)	Otter
Species (Latin name)	Lutra lutra

Map of distribution/growth sites:



Habitat/growing site observation data:

Observation date	Habitat status	Stage of development	Signs of activity
1994	[no data]	monitor signs of activity	observe traces

Coordinates of the find/growth site:

Point [333690.14 6232811.42]

88. RAD-LUTLUT040945 (Ūdra)

Find spot/growth site data:

Find spot/growth site code	RAD-LUTLUT040945
Species (English name)	Ūdra
Species (Latin name)	Lutra lutra

Map of distribution/growth sites:



Habitat/growing site observation data:

Observation date	Habitat status	Stage of development	Signs of activity
1996	[no data]	Signs of activity observed	Traces observed

Coordinates of location/growth site:

Point [337931.00 6226187.00]

89. RAD-LUTLUT040943 (Ūdra)

Find spot/growth site data:

Site/location code	RAD-LUTLUT040943
Species (English name)	Otter
Species (Latin name)	Lutra lutra

Map of distribution/growth sites:



Habitat/growing site observation data:

Observation date	Habitat status	Stage of development	Signs of activity
1996	[no data]	monitor signs of activity	observe traces

Coordinates of the location where found:

Point [337931.00 6226187.00]

90. RAD-LUTLUT040940 (Ūdra)

Find spot/growth site data:

Site/location code	RAD-LUTLUT040940
Species (English name)	Otter
Species (Latin name)	Lutra lutra

Map of distribution/growth sites:



Habitat/growing site observation data:

Observation date	Habitat status	Stage of development	Signs of activity
1996	[no data]	Signs of activity observed	Traces observed

Coordinates of location/growth site:

Point [327936.00 6226004.00]

91. RAD-LUTLUT043945 (Ūdra)

Find spot/growth site data:

Find spot/growth site code	RAD-LUTLUT043945
Species (English name)	Otter
Species (Latin name)	Lutra lutra

Map of distribution/growth sites:



Habitat/growing site observation data:

Observation date	Habitat status	Stage of development	Signs of activity
2008	[no data]	monitor signs of activity	feces

Coordinates of the location where found:

Point [329887.75 6224519.64]

92. RAD-LUTLUT084541 (Otter)

Data on the location of the find/growth site:

Location code	RAD-LUTLUT084541
Species (English name)	Otter
Species (Latin name)	Lutra lutra

Map of distribution/growth sites:



Habitat/growing site observation data:

Observation date	Habitat status	Stage of development	Signs of activity
2013	First observation	Adult individual	Traces observed

Coordinates of the location/growth site:

Point [331466.04 6231322.79]

93. AUG-COEVIR047956 (Green clearing)

Find spot/growth site data:

Find spot/growth site code	AUG-COEVIR047956
Species (English name)	Green plate
Species (Latin name)	Coeloglossum viride

Map of locations/habitats:



Habitat observation data:

Observation date	Habitat condition	Stage of development	Signs of activity
1970	First observation	flowering plant	[no data]

Coordinates of location/growing site:

Point [332406.00 6232038.00]

94. AUG-PLACHL047057 (Green-flowered blandis)

Habitat/growth site data:

Site/location code	AUG-PLACHL047057
Species (English name)	Green-winged orchid
Species (Latin name)	Platanthera chlorantha

Map of locations/habitats:



Habitat/growth site observation data:

Observation date	Habitat status	Stage of development	Signs of activity
1970	First observation	flowering plant	[no data]

Coordinates of location/habitat:

Point [331961.00 6231696.00]

No.	Species (English name)	Species (Latin name)	Location code	Date of last observation
12	White stork	<i>Ciconia ciconia</i>	RAD-CICCIC063329	2009
13	White stork	<i>Ciconia ciconia</i>	RAD-CICCIC015062	13
14	White stork	<i>Ciconia ciconia</i>	RAD-CICCIC063327	12
15	White stork	<i>Ciconia ciconia</i>	RAD-CICCIC015051	12
16	White stork	<i>Ciconia ciconia</i>	RAD-CICCIC015061	12
17	White stork	<i>Ciconia ciconia</i>	RAD-CICCIC063323	12
18	White stork	<i>Ciconia ciconia</i>	RAD-CICCIC015075	13
19	White stork	<i>Ciconia ciconia</i>	RAD-CICCIC055072	2009
20	White stork	<i>Ciconia ciconia</i>	RAD-CICCIC066067	2009
21	White stork	<i>Ciconia ciconia</i>	RAD-CICCIC050387	2009
22	White stork	<i>Ciconia ciconia</i>	RAD-CICCIC066263	2009
23	White stork	<i>Ciconia ciconia</i>	RAD-CICCIC048323	2010
24	White stork	<i>Ciconia ciconia</i>	RAD-CICCIC048325	27
25	White stork	<i>Ciconia ciconia</i>	RAD-CICCIC048333	27
26	White stork	<i>Ciconia ciconia</i>	RAD-CICCIC048331	27
27	White stork	<i>Ciconia ciconia</i>	RAD-CICCIC048328	27
28	White stork	<i>Ciconia ciconia</i>	RAD-CICCIC048345	2010
29	White stork	<i>Ciconia ciconia</i>	RAD-CICCIC048338	2010
30	White stork	<i>Ciconia ciconia</i>	RAD-CICCIC048318	2010
31	White stork	<i>Ciconia ciconia</i>	RAD-CICCIC048342	2010
32	White hare	<i>Lepus timidus</i>	RAD-LEPTIM050697	33.
33	Baltic marsh orchid	<i>Dactylorhiza longifolia</i>	AUG-DACLON084331	2013
34	Spotted orchid	<i>Dactylorhiza maculata</i>	AUG-DACMAC045607	17 June 1972
35	Spotted orchid	<i>Dactylorhiza maculata</i>	AUG-DACMAC076894	1985
36	Spotted orchid	<i>Dactylorhiza maculata</i>	AUG-DACMAC006191	1991
37	Circus cyaneus	<i>Circus cyaneus</i>	RAD-CIRCYA061249	37
38	Kestrel	<i>Circus cyaneus</i>	RAD-CIRCYA061248	38
39	Royal lousewort	<i>Pedicularis sceptrum-carolinum</i>	AUG-PEDSCE005476	30
40	Slender sedge	<i>Eriophorum gracile</i>	AUG-ERIGRA021738	2012
41	Lynx	<i>Lynx lynx</i>	RAD-LYNLYN040370	1993
42	Lynx	<i>Lynx lynx</i>	RAD-LYNLYN042108	1996
43	Lynx	<i>Lynx lynx</i>	RAD-LYNLYN042113	31
44	Swallowtail	<i>Papilio machaon</i>	RAD-PAPMAC054400	2011
45	Small swallowtail	<i>Anacamptis morio</i>	AUG-ORCMOR048961	1970
46	Small anacamptis	<i>Anacamptis morio</i>	AUG-ORCMOR006002	1992

No	Species (English name)	Species (Latin name)	Habitat code	Date of last observation
47	Small bluet	<i>Ischnura pumilio</i>	RAD-ISCPUM084324	2013
48	Blue moor grass	<i>Sesleria caerulea</i>	AUG-SESCAE078522	1940
49	Blue moor grass	<i>Sesleria caerulea</i>	AUG-SESCAE078489	1940
50	Blue moor grass	<i>Sesleria caerulea</i>	AUG-SESCAE005459	1990
51	Blue moor grass	<i>Sesleria caerulea</i>	AUG-SESCAE006192	1991
52	Blue moor grass	<i>Sesleria caerulea</i>	AUG-SESCAE005190	1992
53	Blue moor grass	<i>Sesleria caerulea</i>	AUG-SESCAE024541	2012
54	Blue moor grass	<i>Sesleria caerulea</i>	AUG-SESCAE024540	2012
55	Blue moor grass	<i>Sesleria caerulea</i>	AUG-SESCAE024546	2012
56	Oval sedge	<i>Unio crassus</i>	RAD-UNICRA098048	2016
57	Common curlew	<i>Crex crex</i>	RAD-CRECRE084544	2015
58	Common plover	<i>Lejeunea cavifolia</i>	AUG-LEJCAV048488	2002-07-09
59	Common butterwort	<i>Pinguicula vulgaris</i>	AUG-PINVUL006003	02
60	Meadow butterwort	<i>Helictotrichon pratense</i>	AUG-HELPR074406	1970
61	Meadow sedge	<i>Carex buxbaumii</i>	AUG-CARBUX073198	1972
62	Meadow sedge	<i>Carex buxbaumii</i>	AUG-CARBUX005464	1990
63	Broad-clawed crayfish	<i>Astacus astacus</i>	RAD-ASTAST036739	1969
64	Intermittent wicker	<i>Carex distans</i>	AUG-CARDIS014271	2012
65	Brown hawk moth	<i>Nyctalus noctula</i>	RAD-NYCNO084543	2013
66	Siberian wolf	<i>Iris sibirica</i>	AUG-IRISIB076998	1985
67	Siberian iris	<i>Iris sibirica</i>	AUG-IRISIB005457	1990
68	Siberian iris	<i>Iris sibirica</i>	AUG-IRISIB005462	1990
69	Siberian iris	<i>Iris sibirica</i>	AUG-IRISIB006004	1990
70	Siberian iris	<i>Iris sibirica</i>	AUG-IRISIB006196	July 20, 1991
71	Siberian wolfsbane	<i>Iris sibirica</i>	AUG-IRISIB006195	19
72	Siberian iris	<i>Iris sibirica</i>	AUG-IRISIB006194	19
73	Siberian iris	<i>Iris sibirica</i>	AUG-IRISIB006193	1
74	Siberian iris	<i>Iris sibirica</i>	AUG-IRISIB006197	19
75	Siberian iris	<i>Iris sibirica</i>	AUG-IRISIB006190	19
76	Siberian iris	<i>Iris sibirica</i>	AUG-IRISIB005126	1992
77	Siberian iris	<i>Iris sibirica</i>	AUG-IRISIB005129	1992
78	Siberian iris	<i>Iris sibirica</i>	AUG-IRISIB005191	1992
79	Siberian iris	<i>Iris sibirica</i>	AUG-IRISIB005130	1992
80	Siberian iris	<i>Iris sibirica</i>	AUG-IRISIB005128	1992
81	Dark-leaved helleborine	<i>Epipactis atrorubens</i>	AUG-EPIATR048314	1960

No	Species (English name)	Species (Latin name)	Habitat code	Last observation date
82	Dark fritillary	<i>Melitaea diamina</i>	RAD-MELDIA084317	2013
83	Male orchid	<i>Orchis mascula</i>	AUG-ORCMAS049914	20
84	Male orchid	<i>Orchis mascula</i>	AUG-ORCMAS006000	1992
85	Cirsium heterophyllum	<i>Cirsium heterophyllum</i>	AUG-CIRHET005249	1991
86	Northern bat	<i>Eptesicus nilssoni</i>	RAD-EPTNIL084542	2013
87	Otter	<i>Lutra lutra</i>	RAD-LUTLUT047617	1994
88	Otter	<i>Lutra lutra</i>	RAD-LUTLUT040945	1996
89	Otter	<i>Lutra lutra</i>	RAD-LUTLUT040943	31
90	Otter	<i>Lutra lutra</i>	RAD-LUTLUT040940	31
91	Otter	<i>Lutra lutra</i>	RAD-LUTLUT043945	2008
92	Otter	<i>Lutra lutra</i>	RAD-LUTLUT084541	2013
93	Green-winged moorhen	<i>Coeloglossum viride</i>	AUG-COEVIR047956	July 16, 1970
94	Green-winged orchid	<i>Platanthera chlorantha</i>	AUG-PLACHL047057	1970

6 APPENDIX

Letter from the Lithuanian Armed Forces dated 6 June 2022, ref. no. KVS-352



LITHUANIAN ARMED FORCES

Budgetary institution, Šv. Ignoto g. 8, LT-01144 Vilnius, tel. (8 5) 278 5001, fax (8 5) 212 6170, e-mail LK.kanceliarija@mil.lt Data is collected and stored in the Register of Legal Entities, code 188732677, VAT payer code LT 887326716.

UAB Skuodas renew
Bajorų g. 26, Lindiniškių k., 14181 Vilnius district
March 2022
E-mail eastwindbrokers@gmail.com

2022 No. KVS-
To the letter dated 15

REGARDING THE COORDINATION OF WIND POWER PLANT CONSTRUCTION

We hereby inform you that the Lithuanian Armed Forces (hereinafter referred to as LAF) has examined your request (hereinafter referred to as the Request) for approval/conclusion regarding the planned construction of 29 (twenty-nine) wind power plants (with an installed capacity of up to 6000 kW (inclusive) and a total height of up to 250 m (inclusive), including the wings) on the plots of land specified in the Request, located in the Lenkimų eldership of the Skuodas district municipality (1 plot cadastral No. **7520/0004:0017**, 2 plot cadastral No. **7520/0004:0018**, 3 plot cadastral No. **7520/0004:0019**, 4 plot cadastral No. **7520/0004:0023**, plot 5 cadastral No. **7520/0004:0025**, plot 6 cadastral No. **7520/0004:0031**, plot 7 cadastral No. **7520/0004:0033**, 8 plot cadastral No. **7520/0004:0034**, 9 plot cadastral No. **7520/0004:0042**, 10 plot cadastral No. **7520/0003:0048**, plot 11 cadastral No. **7520/0004:0063**, plot 12 cadastral No. **7520/0004:0107**, plot 13 cadastral No. **7520/0004:0108**, 14 plot cadastral No. **7520/0004:0109**, 15 plot cadastral No. **7520/0003:0110**, 16 plot cadastral No. **7520/0004:0111**, 17 plot cadastral No. **7520/0003:0114**, 18 plot cadastral No. **7520/0003:0121**, 19 plot cadastral No. **7520/0004:0227**, 20 plot cadastral No. **7520/0004:0273**, 21 plot cadastral No. **7520/0003:0281**, 22 plot cadastral No. **7520/0004:0288**, 23 plot cadastral No. **7520/0004:0330**, 24 plot cadastral No. **7520/0004:0335**, 25 plot cadastral No. **7520/0004:0336**, 26 plot cadastral No. **7520/0004:0341**, plot 27 cadastral No. **7520/0004:0342**, plot 28 cadastral No. **7520/0003:0271**, plot 29 cadastral No. **7520/0003:0219**) (hereinafter referred to as plots).

In assessing the potential impact of wind farms on the performance of the national defense system and in fulfilling our statutory national security function, we hereby inform you that:

1. in accordance with the provisions of Article 13(4) of the Aviation Law of the Republic of Lithuania (hereinafter referred to as the AL), the construction and reconstruction or installation of structures and equipment with a height of 100 m or more above ground level construction, reconstruction, or installation of structures and facilities in the territory of the Republic of Lithuania, except for aerodromes, radar stations, and meteorological radar stations, must be coordinated with the Commander of the Lithuanian Armed Forces in accordance with the procedure established by the Government of the Republic of Lithuania.

Wind farms with a total height (including wings) of up to 250 m are planned to be built on the plots specified in the application;

2. in accordance with the provisions of Articles 14-16 of the Law on Special Conditions for Land Use of the Republic of Lithuania (hereinafter referred to as SŽNSĮ), without coordination with the head of the LK, the construction, reconstruction, installation of equipment and planting (introduction) of vegetation, approved by Resolution No. 625 of the Government of the Republic of Lithuania on May 29, 2012, In the military aerodrome protection zones specified in Article 16 of the SŽNSĮ, it is prohibited to construct and/or reconstruct structures, install equipment and/or plant (introduce) vegetation,

and the commander of the LK does not approve the project or planned activities in the military aerodrome protection zones if such works pose a threat to military aviation safety.

The LK determined that the plots specified in the Application do not fall within the military airfield protection zones;

3. in accordance with the provisions of Articles 118–120 of the SŽNSĮ, issues related to the construction, reconstruction, and installation of structures in the general military radar protection zone must be coordinated with the head of the LK in accordance with the procedure established by the Government of the Republic of Lithuania; and issues related to the construction, reconstruction, or installation of structures and equipment with a height of 50 meters or more above ground level in the special radar protection zone must be coordinated with the commander of the LK. The procedure for coordinating the construction, reconstruction, installation of structures and planting (introduction) of vegetation shall be coordinated in accordance with the procedure established by Resolution No. 625 of the Government of the Republic of Lithuania of May 29, 2012, and the commander of the LK must submit conclusions as to whether the construction, reconstruction, and installation of structures will not interfere with the observation, control, and defense of the airspace.

The LK has established that the plots of land specified in the Application do not fall within the special protection zones of the radar station;

4. in accordance with the provisions of Article 120(3) of the SŽNSĮ, the commander of the LK shall submit conclusions as to whether the construction and reconstruction of buildings and the installation of equipment will not interfere with the observation, control, and defense of airspace, and, pursuant to the provisions of Article 135(2), the commander of the LK does not approve the project if the wind farms planned for construction at the specified construction sites would interfere with the monitoring, control, and defense of airspace.

The LK has determined that the plots specified in the Application fall within the territory of the Republic of Lithuania where the design and construction of wind farms (tall structures) may be restricted, as indicated on the map approved by Order No. V-217 of the head of the LK on February 15, 2016 "On the approval of the map of the territories of the Republic of Lithuania where the design and construction of wind farms (tall structures) may be restricted" (hereinafter referred to as the Map), drawn up with the mediation of national security institutions and in accordance with the Methodology for the compilation of the map of territories where restrictions on the construction of wind power plants apply in accordance with national security requirements the methodology for drawing up the map, approved by Order No. V-921 of the Minister of National Defense of the Republic of Lithuania of August 22, 2012, "On the approval of the methodology for drawing up the map of territories where restrictions on the construction of wind power plants apply, taking into account national security requirements," (map fragment attached), and falls within the territories where construction restrictions apply in accordance with national security requirements.

Conclusion. LK, taking into account that the total height of the wind turbines planned on the plot specified in the Application would be 250 m above ground level (including the rotor), and also taking into account that they would interfere with the performance/ensuring of the functions of the national defense system and national security (*wind farms built on the plots would interfere with the monitoring and control of the airspace of the Republic of Lithuania and its approaches, and their operation would have a negative impact on the security of the state border of the Republic of Lithuania, which is also the internal border of the European Union / European Union internal border, and wind farms would be located in areas marked on the map where the design and construction of wind farms is restricted, as well as in areas where, in accordance with national security requirements, construction restrictions apply*), and, in accordance with Article 13(4) of the AI, Article 16(2), Article 120(3) and Article 135(2) of the SŽNSĮ, the provisions of Article 49(8) of the AIEĮ (*obstacles that have arisen can be avoided by using additional measures*), the Procedure for the Coordination of the Construction and Reconstruction of Structures and the Installation of Equipment that may Interfere with Aviation, approved by Resolution No. 625 of the Government of the Republic of Lithuania on May 29, 2012 "On the Approval of the Procedure for the Coordination of the Construction and Reconstruction of Structures and the Installation of Equipment that may Interfere with Aviation," Information on areas where, in accordance with national security requirements, restrictions on the construction of wind farms apply, the coordination of wind farm construction sites in these areas and the payment of compensation, approved by Resolution No. 626 of the Government of the Republic of Lithuania of May 29, 2012 "On information about areas where, in accordance with national security requirements, restrictions apply

restrictions on the construction of wind power plants, the approval of the procedure for the provision of information, the coordination of wind power plant construction sites in these territories, and the payment of compensation (hereinafter referred to as the Procedure for the Provision of Information, Coordination of Wind Power Plants, and the Payment of Compensation) and the Map, adopted a decision to approve (with the specified conditions) wind power plants and compensation payment procedure) and the Map, decided **to approve (with the conditions specified)** (*structures or facilities may be built, reconstructed or installed in the specified location only after the specified conditions have been met*) **29 (twenty-nine)** wind power plants (**with an installed capacity of up to 6000 kW (inclusive) and a total height of up to 250 m (inclusive), including the wings**) for construction on the plots specified in the application, provided that the producer of energy from renewable sources submits an approved construction project to the authority that issued the territorial planning conditions no later than the date of issue of the construction permit and signs a compensation agreement with it for the part of the investment and other expenses necessary to ensure the performance of national security functions, as well as provide a guarantee of the fulfillment of this obligation in the form of a bank guarantee or a letter of guarantee from an insurance company.

The amount of compensation shall be calculated in accordance with the provisions of Article 49(8) of the AIEĮ. Compensation shall be paid in accordance with the provisions of Chapter IV, "Procedure for the payment of compensation," of the Description of the Procedure for the Provision of Information, Coordination of Wind Power Plants, and Payment of Compensation. For questions regarding the calculation of compensation, the preparation, coordination, and signing of the compensation agreement, please contact the representative of the Legal Department of the LK Chancellery, Maj. Laurynas Mikelėnas, tel. 8 706 83 524, e-mail: laurynas.mikelenas@mil.lt.

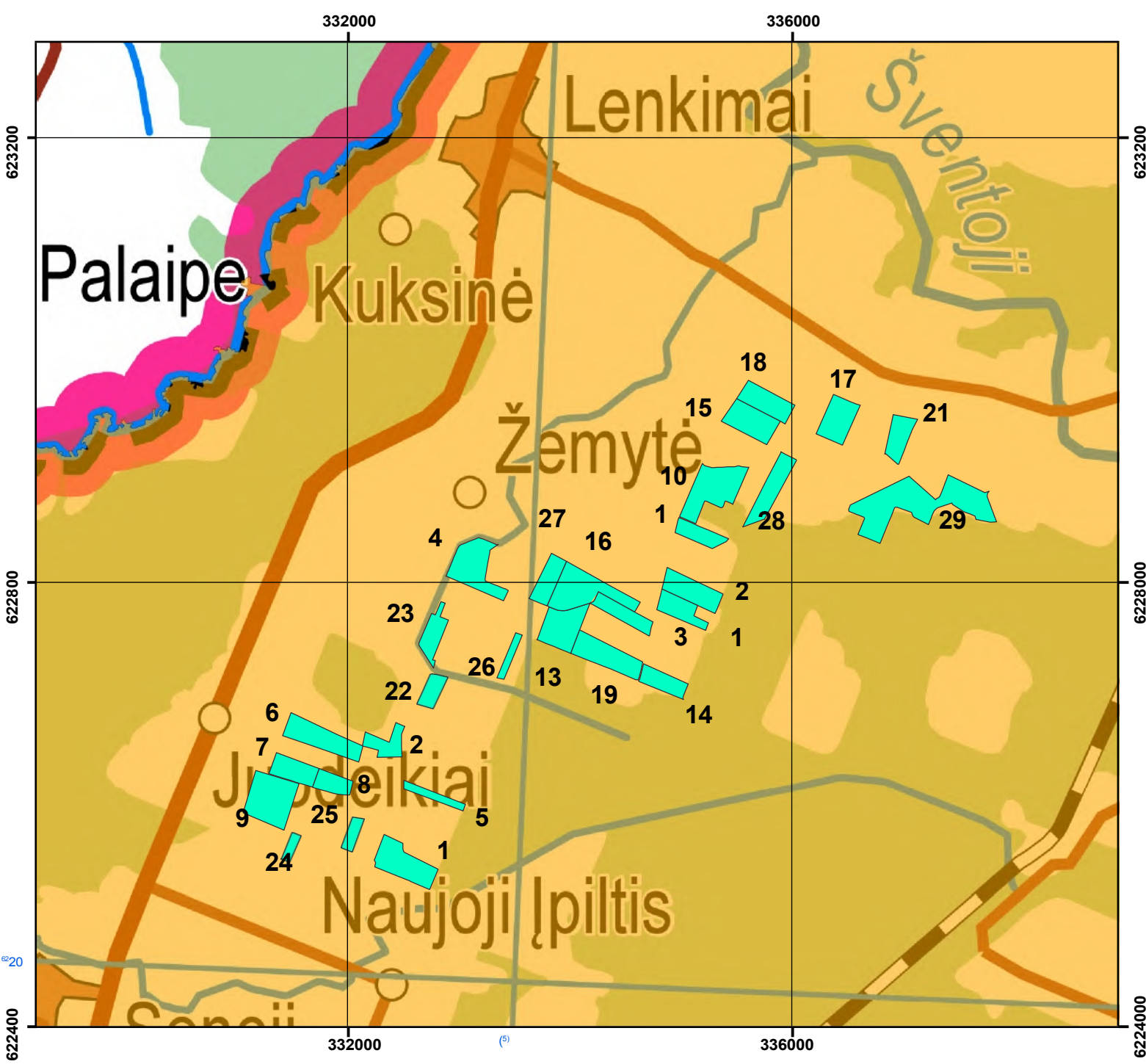
This response may be appealed in accordance with the procedure established by the Law on Administrative Proceedings of the Republic of Lithuania.

ATTACHED Map of the territories of the Republic of Lithuania where the design and construction of wind farms (tall structures) may be restricted, approved by Order No. V-217 of the Commander of the Lithuanian Armed Forces on February 15, 2016 "On the approval of the map of territories of the Republic of Lithuania where the design and construction of wind power plants (high-rise structures) may be restricted," excerpt (with the plots indicated in the Application), 1 page.

Commander of the Lithuanian Armed Forces

Lt. Gen. Valdemaras Rupšys

Capt. T. Leontjevas, tel. (8 706) 81 397, e-mail: tomas.leontjevas@mil.lt Original will not be sent

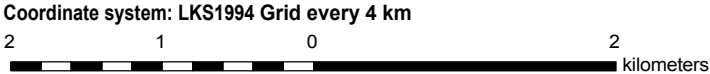


Skuodas District Municipality, Lenkimai Parish
 Cadastral numbers of land plots planned for wind farms:

No	Cadastral No.	No.	Cadastral No.
1	7520/0004:0017	1	7520/0004:0111
2	7520/0004:0018	17	7520/0003:0114
3	7520/0004:0019	1	7520/0003:0121
4	7520/0004:0023	19	7520/0004:0227
5	7520/0004:0025	20	7520/0004:0273
6	7520/0004:0031	21	7520/0003:0281
7	7520/0004:0033	22	7520/0004:0288
8	7520/0004:0034	23	7520/0004:0330
9	7520/0004:0042	24	7520/0004:0335
10	7520/0003:0048	25	7520/0004:0336
11	7520/0004:0063	26	7520/0004:0341
12	7520/0004:0107	27	7520/0004:0342
13	7520/0004:0108	28	7520/0003:0271
14	7520/0004:0109	29	7520/0003:0219
15	7520/0003:0110		

Contract symbols

-  Plot boundary
-  Exclusive economic zone of the Republic of Lithuania and territory where wind farm construction sites are coordinated on condition that the renewable energy producer signs an agreement with the Lithuanian Armed Forces on compensation for part of the investment and other expenses incurred in ensuring national security functions.



Created: June 6, 2022, 2:31 p.m. Created by:
Specialist SAMANTA RAIŠYTĖ

Document to be sent

Registration	
Status	Registered
Registration	KVS-352
Registration date	2022
Register	KVS: Register of outgoing documents
File	1.42E: Correspondence with ministries and institutions of the Republic of Lithuania on organizational matters
Registrar	Specialist SAMANTA RAIŠYTĖ
Electronic	Yes
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Senders	Lithuanian Armed Forces
Recipients	UAB "Skuodas renew"
Recipient (delivery method)	UAB "Skuodas renew"
Document prepared	Senior Operations Officer TOMAS LEONTJEVAS, Commander ARŪNAS ČERIAUKA
Document signed by	Commander of the Lithuanian Armed Forces VALDEMARAS RUPŠYS
Document coordinated by	Chief RIMAS MACUTKEVIČIUS, Commander of the Air Force DAINIUS GUZAS, Director AIDAS ŠUOPYS, Department Director DARIUS SENIKAS, Chief of the Board AURELIJUS ALASAUSKAS (from 06-06-2022 to 06-12-2022, replaced by Chief of the Board AURELIJUS ALASAUSKAS), Deputy Chief of Staff for Operations ARTŪRAS RADVILAS, Acting Director of the Service EDVARDAS IŠKAUSKAS (from 6 June 2022 to 23 June 2022, replaced by Director SAULIUS JUŠKEVIČIUS), Chief of Staff MINDAUGAS STEPONAVIČIUS, Specialist performing the functions of Head of the LKK Document Administration Subdivision SAMANTA RAIŠYTĖ (from 6 June 2022 to 10 June 2022, replaced by Head of Subdivision RITA MICEVIČIENĖ)
Title	REGARDING THE COORDINATION OF THE CONSTRUCTION OF WIND TURBINES (UAB "SKUODAS RENEW")
Document	Response
Number	3
Number of pages in appendices	1
Related documents	
Original document (1)	
GI-471	2022-03-15 Regarding the coordination of the design and construction site for wind power plants design and construction site coordination
Request	Completed
Commander ARŪNAS ČERIAUKA	2022-05-03
Tasks	
10716834	2022-03-18 Task
Completed	2022
Commander ARŪNAS ČERIAUKA	
ADOC	
KV_response_(GI-471)_v.3.adoc	
KV_response_(GI-471)_v.3.docx	
Appendices	
20220323_Skuodo_r_sav(GI-471).pdf	
Attached documents	
Completed works	
Supervisor RIMAS MACUTKEVIČIUS	2022-06-02
Approved version 3.0. Comments	
Commander of the Air Force DAINIUS GUZAS	2022-06-02
Approved version 3.0. Comments:	
Director AIDAS ŠUOPYS	2022-06-02
Approved version 3.0. Comments:	
Department Director DARIUS SENIKAS 2022-06-03 07:28:38	
Approved version 3.0. Comments	
Head of the Board AURELIJUS ALASAUSKAS (from 2022-06-06 to 2022-06-12, replaced by Head of the Board AURELIJUS ALASAUSKAS)	2022-06-03
Approved version 3.0. Comments:	

Deputy Head of Staff for Operations ARTŪRAS RADVILAS	2022-06-03	Approved version 3.0. Comments:
Acting Director of the Service EDVARDAS IŠKAUSKAS (from 6 June 2022 to 23 June 2022, replaced by Director SAULIUS JUŠKEVIČIUS) 23, replaced by Director SAULIUS JUŠKEVIČIUS)	2022-06-06 10:31:54	Approved version 3.0. Comments:
Head of Staff MINDAUGAS STEPONAVIČIUS	2022-06-06	Approved version 3.0. Comments:
Specialist performing the duties of Head of the Document Administration Subdivision of the LKK SAMANTA RAIŠYTĖ (from 2022-06-06 to 2022-06-10, replaced by Head of the Subdivision RITA MICEVIČIENĖ)	2022-06-06	Approved version 3.0. Comments:
Commander of the Lithuanian Armed Forces VALDEMARAS RUPŠYS	2022-06-06 14:16:04	Signed version 3.0. Comments:
Specialist SAMANTA RAIŠYTĖ	2022-06-06	Registered document: KVS: Register of outgoing documents 1.42E: Correspondence with ministries and institutions of the Republic of Lithuania on organizational matters