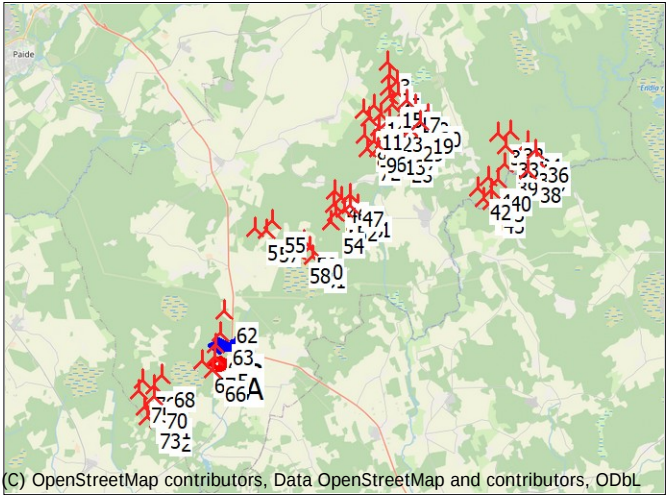


Project:
Järva_tuulikud

Licensed user:
Lemma OÜ
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EE-10621 Tallinn
+3725059914
Piret Toonpere / piret@lemma.ee
Calculated:
25.03.2024 10:30/4.0.531

VISUAL - Main result

Calculation: fotomontaaaz_report_25032024



A IMG_8167.JPG



Estonian Lambert L-EST97-EST97 (EE) East North Z Clouds :Clear sky (0/8) Landscape picture file: 4272 x 2848 pixels
Eye point 602 381 6 512 489 71.5 Visibility :Normal IMG_8167.JPG
Target point 602 270 6 512 484 77.1 Sun :Normal Field of view: 25,6°x17,4° Lens: 79 mm Film: 36x24 mm
Photo dir. 269° Wind dir. :0°

B IMG_8186.JPG



Estonian Lambert L-EST97-EST97 (EE) East North Z Clouds :Clear sky (0/8) Landscape picture file: 4272 x 2848 pixels
Eye point 602 366 6 513 213 71.5 Visibility :Normal IMG_8186.JPG
Target point 601 964 6 513 286 93.1 Sun :Normal Field of view: 27,6°x17,4° Lens: 79 mm Film: 36x24 mm
Photo dir. 282° Wind dir. :0°

C IMG_8171.JPG



Estonian Lambert L-EST97-EST97 (EE) East North Z Clouds :Clear sky (0/8) Landscape picture file: 4272 x 2848 pixels
Eye point 602 381 6 512 489 71.5 Visibility :Normal IMG_8171.JPG
Target point 602 357 6 512 680 83.4 Sun :Normal Field of view: 27,6°x17,4° Lens: 79 mm Film: 36x24 mm
Photo dir. 354° Wind dir. :0°

VISUAL - Main result

Calculation: fotomontaaz_report_25032024

WTG siting

	WTG type			Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Distance to camera		
	Valid	Manufact.	Type-generator				A [m]	B [m]	C [m]
1 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	17 230	16 588	17 230
2 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	13 582	12 977	13 582
3 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	17 815	17 166	17 815
4 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	16 661	16 025	16 661
5 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	17 106	16 475	17 106
6 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	14 135	13 529	14 135
7 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	13 259	12 640	13 259
8 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	13 786	13 153	13 786
9 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	13 794	13 176	13 794
10 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	14 510	13 889	14 510
11 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	14 711	14 072	14 711
12 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	14 944	14 294	14 944
13 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	14 231	13 639	14 231
14 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	15 443	14 803	15 443
15 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	16 273	15 643	16 273
16 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	16 657	16 034	16 657
17 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	16 531	15 922	16 531
18 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	16 559	15 963	16 559
19 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	16 003	15 426	16 003
20 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	15 742	15 148	15 742
21 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	15 231	14 602	15 231
22 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	15 929	15 308	15 929
23 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	15 182	14 568	15 182
24 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	16 043	15 439	16 043
25 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	15 247	14 650	15 247
26 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	14 625	14 023	14 625
27 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	14 789	14 208	14 789
28 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	14 124	13 549	14 124
29 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	15 405	14 823	15 405
30 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	16 511	15 937	16 511
31 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	18 342	17 865	18 342
32 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	18 917	18 451	18 917
33 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	18 260	17 806	18 260
34 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	19 267	18 830	19 267
35 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	18 788	18 369	18 788
36 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	19 341	18 922	19 341
37 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	19 119	18 714	19 119
38 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	18 424	18 027	18 424
39 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	17 591	17 162	17 591
40 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	16 861	16 449	16 861
41 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	16 438	16 011	16 438
42 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	15 692	15 270	15 692
43 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	16 222	15 818	16 222
44 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	15 606	15 209	15 606
45 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	15 931	15 547	15 931
46 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	10 448	9 818	10 448
47 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	10 732	10 130	10 732
48 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	10 339	9 728	10 339
49 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	9 796	9 177	9 796
50 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	10 261	9 674	10 261
51 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	10 496	9 923	10 496
52 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	9 879	9 286	9 879
53 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	9 461	8 856	9 461
54 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	8 940	8 339	8 940
55 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	7 765	7 060	7 765
56 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	7 198	6 479	7 198
57 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	7 226	6 517	7 226
58 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	6 721	6 084	6 721
59 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	7 356	6 722	7 356
60 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	7 200	6 590	7 200
61 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	6 854	6 265	6 854
62 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	2 919	2 235	2 919
63 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	1 953	1 391	1 953
64 New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	1 649	1 335	1 649

To be continued on next page...

VISUAL - Main result

Calculation: fotomontaaz_report_25032024

...continued from previous page

		WTG type					Distance to camera			
	Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	A [m]	B [m]	C [m]	
65	New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	1 374	1 387	1 374
66	New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	1 456	1 758	1 456
67	New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	2 009	2 092	2 009
68	New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	4 163	4 333	4 163
69	New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	4 703	4 934	4 703
70	New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	4 889	5 191	4 889
71	New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	4 915	5 300	4 915
72	New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	5 226	5 667	5 226
73	New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	5 668	6 062	5 668
74	New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	5 590	5 929	5 590
75	New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	5 537	5 772	5 537
76	New	Yes	VESTAS	V172-7.2-7 200	7 200	180,0	180,0	5 244	5 415	5 244



Project:
Järva_tuulikud

Recommended observation distance: 50 cm

Photo exposed: 12.09.2023 12:02:08

Field of view: 25,8°x17,4° Lens: 79 mm Film: 36x24 mm Pixels: 4272x2848

Eye point: Estonian Lambert L-EST97-EST97 (EE) East: 602 381 North: 6 512 489

Wind direction: 0° Direction of photo: 269°

Software: windPRO version 4.0.531

Photo: C:\...\Astrid Koplimäe - Järva valla lõunaosa 12.09.2023\IMG_8167.JPG

Created by:

Lemma OÜ

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Project:
Järva_tuulikud

Recommended observation distance: 50 cm

Photo exposed: 12.09.2023 12:06:20

Field of view: 27,6°x17,4° Lens: 79 mm Film: 36x24 mm Pixels: 4272x2848

Eye point: Estonian Lambert L-EST97-EST97 (EE) East: 602 366 North: 6 513 213

Wind direction: 0° Direction of photo: 282°

Software: windPRO version 4.0.531

Photo: C:\...\Astrid Koplimäe - Järva valla lõunaosa 12.09.2023\IMG_8186.JPG

Created by:

Lemma OÜ

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+3725059914

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Project:
Järva_tuulikud

Recommended observation distance: 50 cm

Photo exposed: 12.09.2023 12:02:26

Field of view: 27,6°x17,4° Lens: 79 mm Film: 36x24 mm Pixels: 4272x2848

Eye point: Estonian Lambert L-EST97-EST97 (EE) East: 602 381 North: 6 512 489

Wind direction: 0° Direction of photo: 354°

Software: windPRO version 4.0.531

Photo: C:\...\Astrid Koplimäe - Järva valla lõunaosa 12.09.2023\IMG_8171.JPG

Created by:

Lemma OÜ

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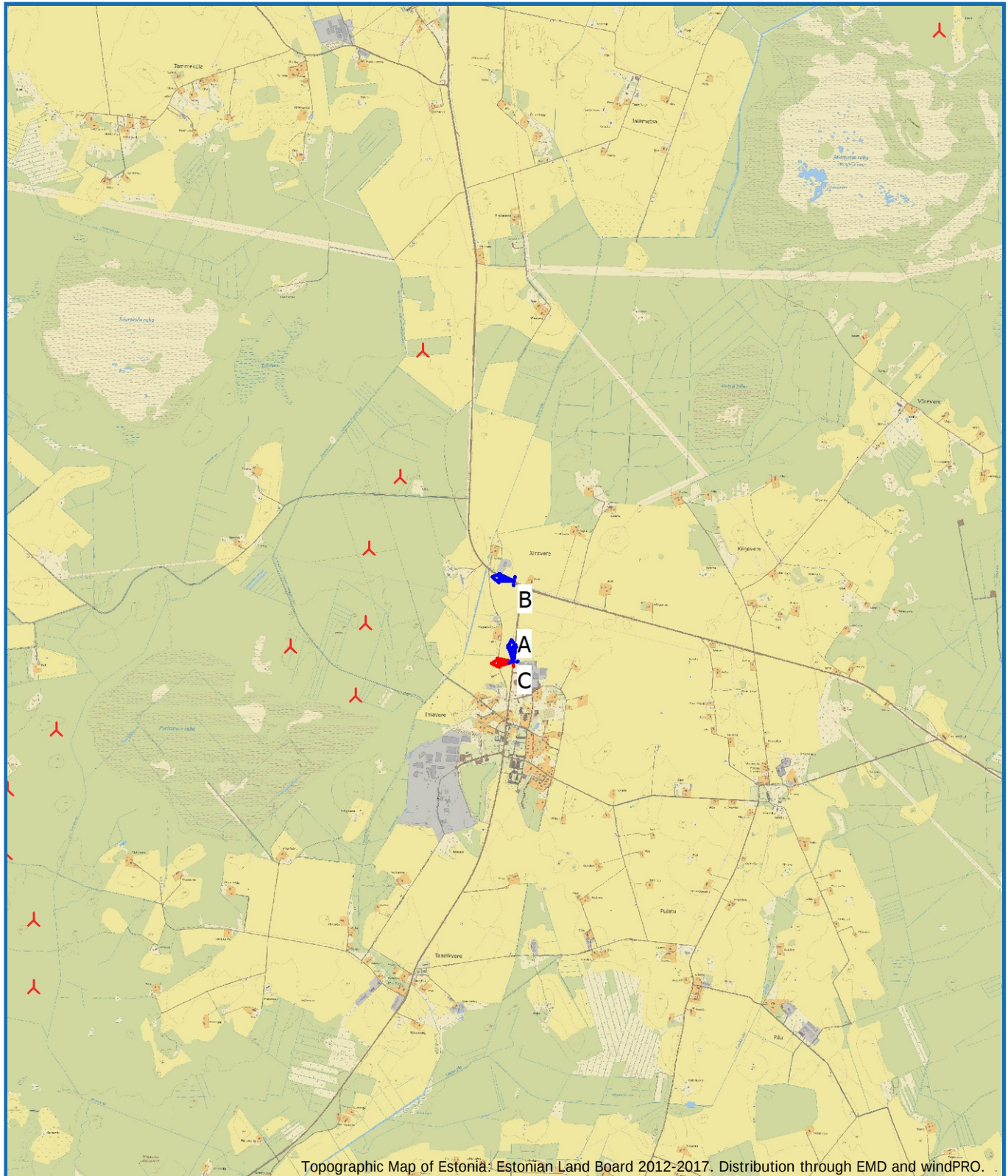
Piret Toonpere / piret@lemma.ee

Project:
Järva_tuulikud

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Calculated:
25.03.2024 10:30/4.0.531

VISUAL - Map

Calculation: fotomontaaaz_report_25032024



0 500 1000 1500 2000 m

Map: Estonian Topographic Map, Print scale 1:50 000, Map center Estonian Lambert L-EST97-EST97 (EE) East: 602 370 North: 6 513 216
New WTG Camera