

Kompletterande skuggberäkningar

Vindpark Stora Uvberget

Sweco Sverige AB 556767-9849
Uppdrag Stora Uvberget – Skuggberäkning
Uppdragsnummer 15006977
Kund RES
Upprättad av Karl Spansk
Datum 2023-06-1622
Dokumentreferens 230616_Kompletterande_skuggberäkningar - Granskad - Korrigerad

Ändringsförteckning

Ver	Datum	Ändringsbeskrivning	Granskad
1.0	230622	-	Sophia Nilsson

Innehållsförteckning

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1 Indata och beräkningsgång

Detta dokument beskriver metod, data och resultat för kompletterande skuggberäkningar för vindparken Stora Uvberget utförda efter föreläggande från beslutande myndighet.

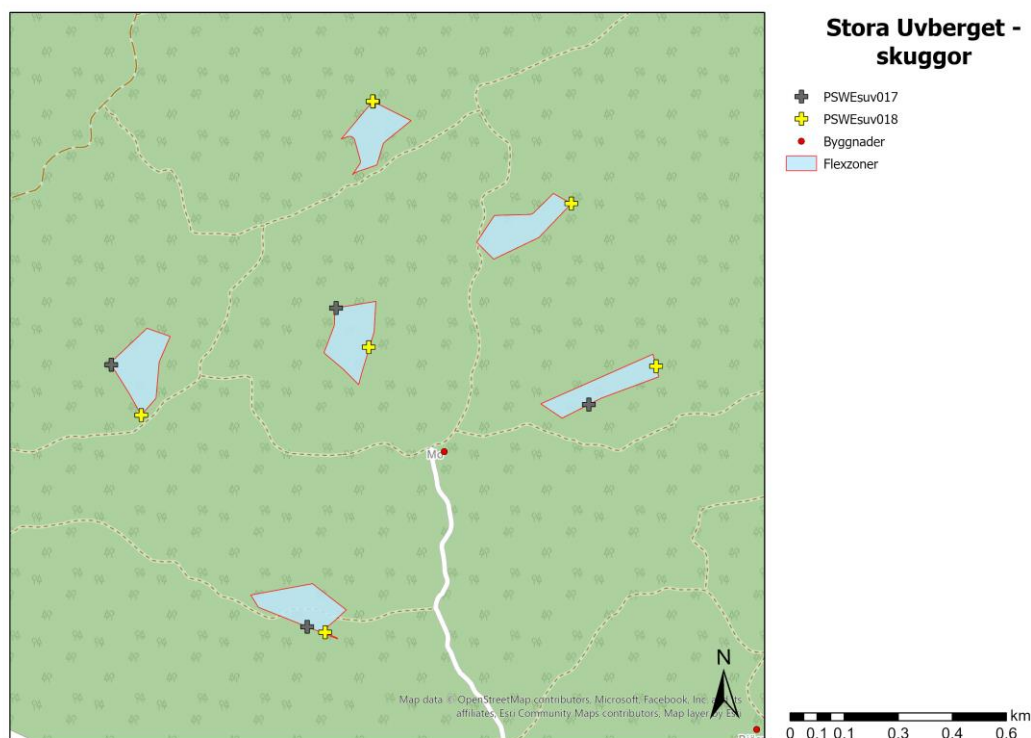
1.1 Vindkraftverk

I beräkningarna har följande vindkraftverk använts:

Tillverkare	Siemens Gamesa
Rotordiameter	170 m
Navhöjd	205 m
Totalhöjd	290 m
Märkeffekt	6 MW

1.2 Parklayout

Två olika parklayouter har analyserats. Dels den tidigare använda layouten fast med ovanstående vindkraftverk (benämning PSWsu017). I den andra layouten (benämning PSWsu018) har ovan nämnda vindkraftverk flyttats (inom flexzonen för varje enskilt vindkraftsverk) för att utreda hur skuggutbredning påverkas av en annorlunda layout. Som resultatet nedan visar så utgör layout PSWsu017, ur störningssynpunkt, en sämsta placering med avseende på skuggningspåverkan.



Figur 1: De två parklayouterna.

1.3 Driftstatistik

För att jämföra med tidigare beräkningar, har samma värden gällande drifttid per vindriktning använts. Denna statistik är framtagen från modelldata (EMD-EUROPE-ERA5).

Riktning	N	NNÖ	ÖNÖ	Ö	ÖSÖ	SSÖ	S	SSV	VSV	V	VNV	NNV
Timmar	566	660	592	457	432	570	671	889	1213	1421	547	544

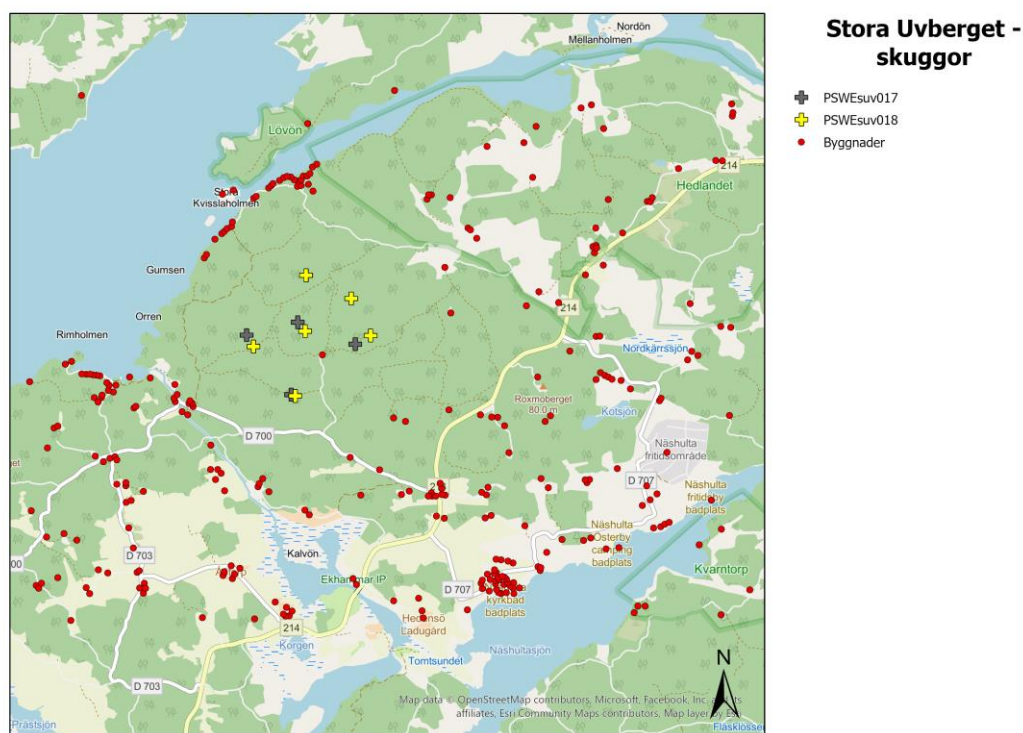
1.4 Solinstrålning

För att jämföra med tidigare beräkningar, har samma värden på förväntad solinstrålning använts.

Månad	Jan	Feb	Mar	Apr	Maj	Jun	Jul	Aug	Sep	Okt	Nov	Dec
Timmar/dag	1,44	2,57	5,10	7,68	8,91	9,21	8,94	6,93	5,45	3,02	1,56	1,16

1.5 Byggnader

I anslutning till varje närliggande fastighet har skuggtider beräknats med så kallade skuggreceptorer. Dessa har utformats efter gällande riktlinjer (5x5 m² på en höjd av 1 m ovanför marknivå). Totalt har 286 receptorer placerats i området (benämnda som Byggnader i kartan nedan).



Figur 2: Närliggande byggnader relativt parklayouterna.

1.6 Höjddata

Höjddata i studien har tagits från den svenska höjddmodellen.

1.7 Skogsdata

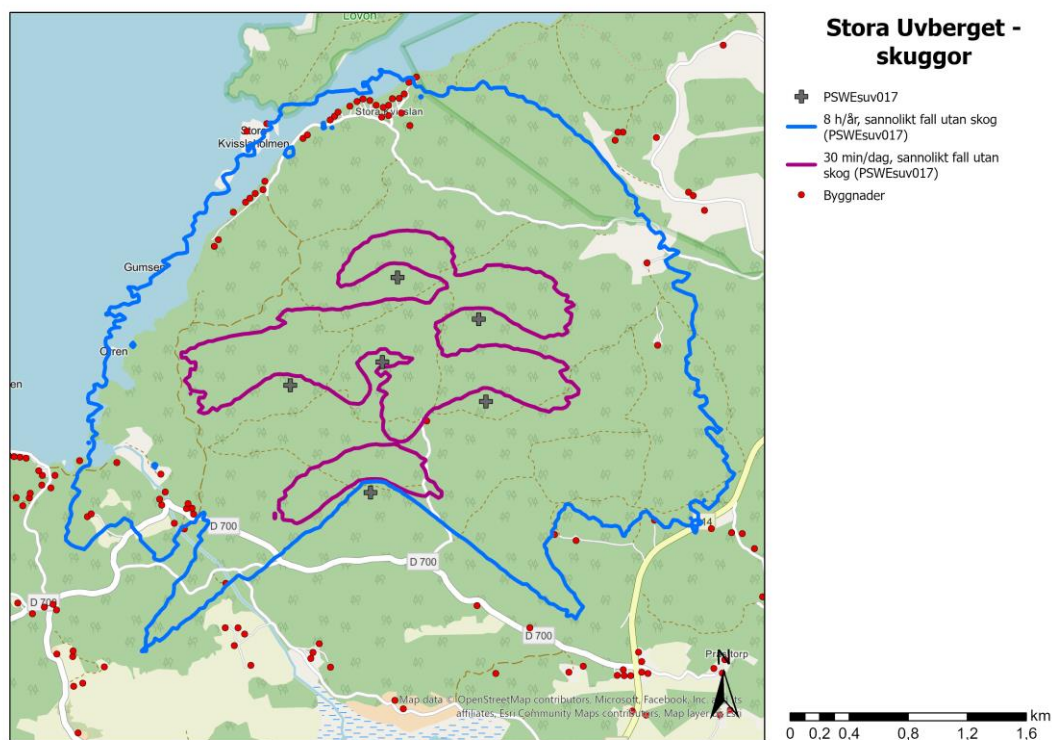
Skogsdata har tagits från en kombination av 2015 och 2021 års laserkarteringar av svenska skogsbeståndet. För en del av det analyserade området saknas data från år 2021 vilket var anledningen till att data från år 2015 krävdes.

1.8 Beräkningsgång

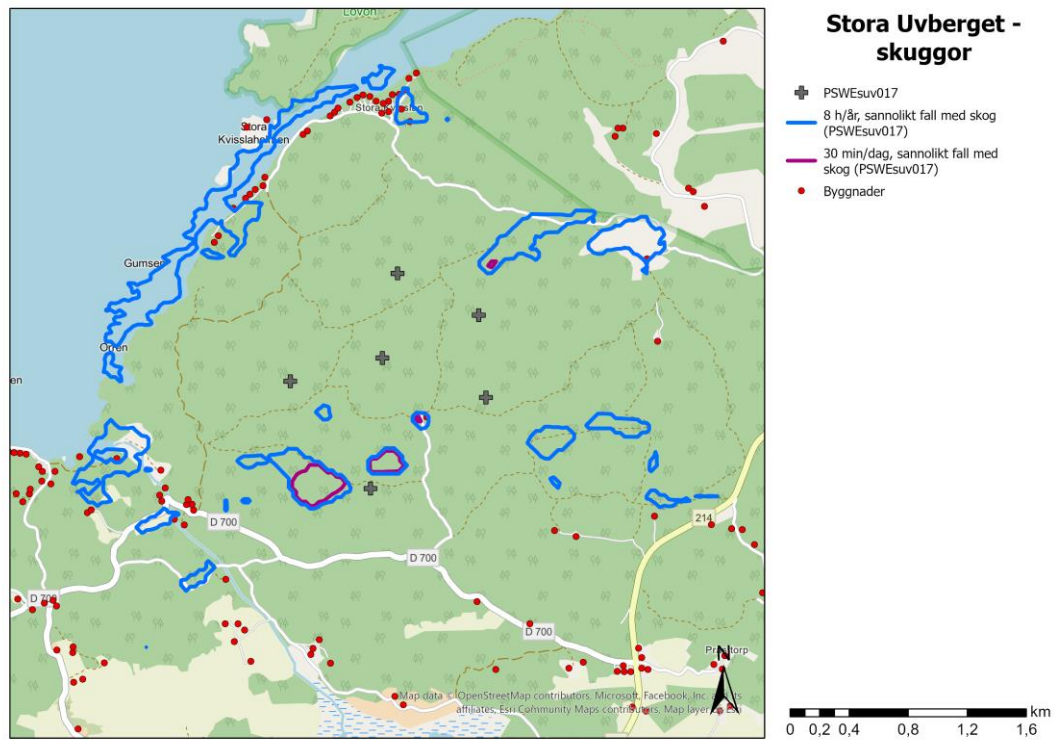
Skuggutbredning har beräknats med ovan nämnda vindkraftverk, solinstrålning, driftstatistik och höjddata. Användningen av parklayouter och skogsdata har varierats och sammantaget har fyra beräkningar utförts (en med och en utan skog för varje parklayout).

2 Resultat

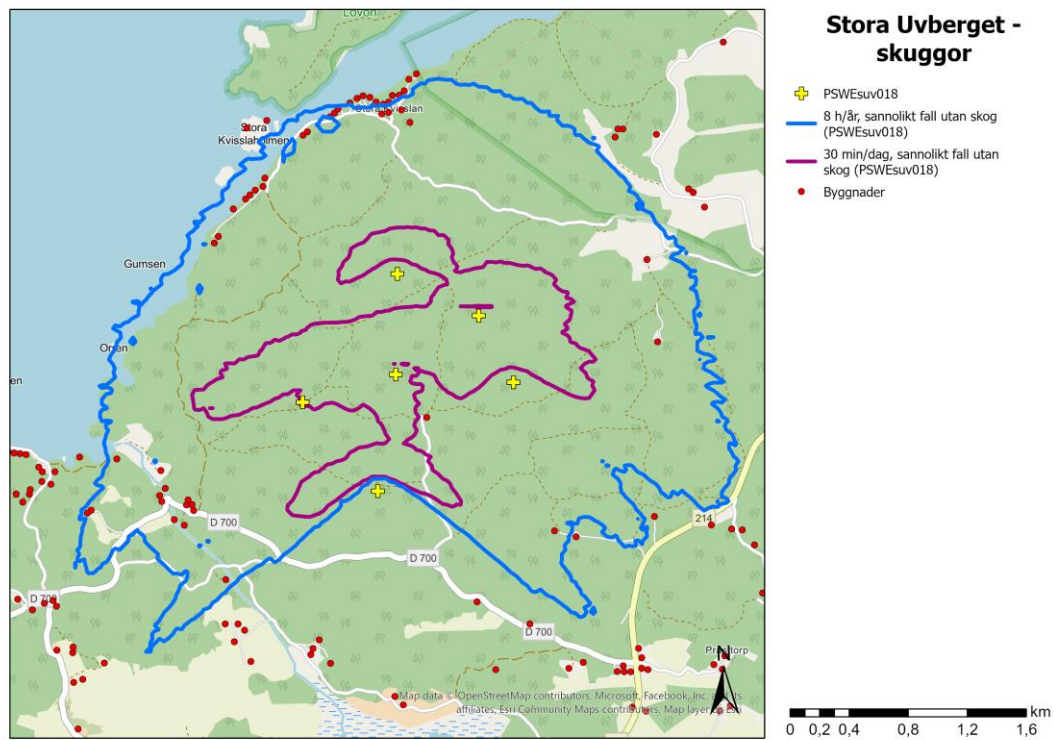
I bilderna nedan visas skuggpåverkan för de olika parklayouterna samt med och utan hänsyn tagen till skog och vegetation. Det är tydligt att layout PSWEsuv017 har en bredare skuggpåverkan där fler byggnader faller innanför 8 timmarslinjen jämfört med alternativ layout PSWEsub018. Som förväntat reducerar en inkludering av skog skuggpåverkan drastiskt. Endast ett fåtal byggnader faller inom 8-timmarslinjen (6 byggnader för PSWEsuv017 och 7 byggnader för PSWEsuv018). Resultatet visar även att ingen byggnad ligger innanför 30-minuterslinjen oberoende av layout samt om skog tas med i beräkningen eller ej. En förändring av layouten enligt fastställd flyttmån bedöms inte negativt påverka skuggpåverkan generellt sett.



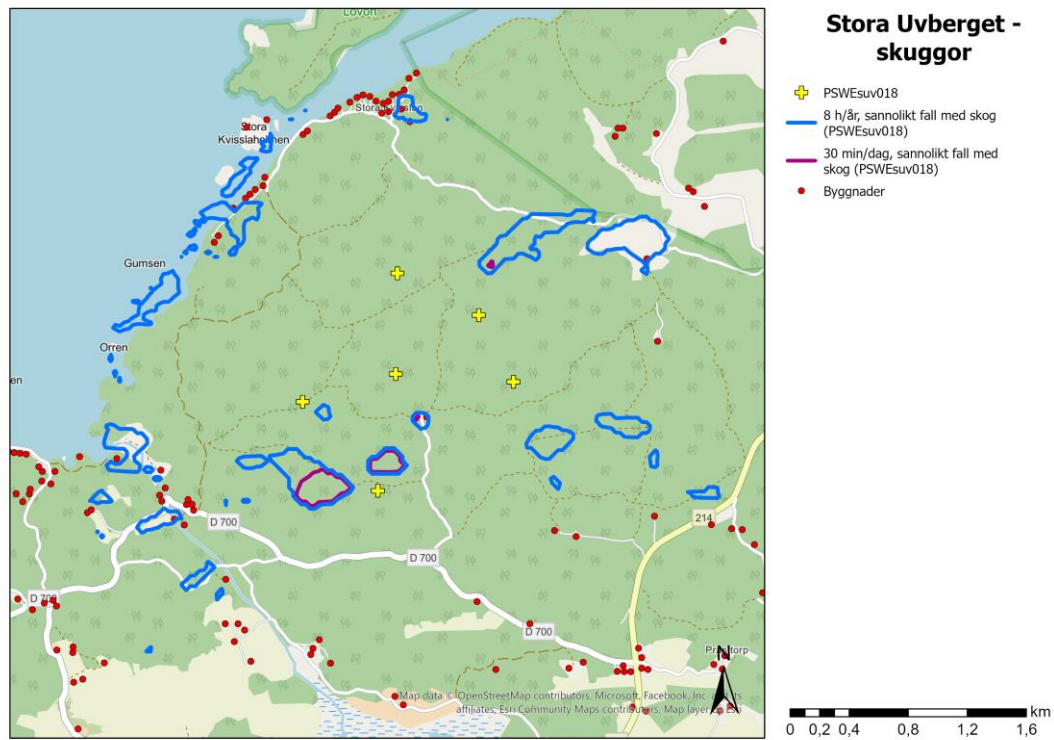
Figur 3: Skuggutbredning för layout PSWEsuv017 utan hänsyn tagen till skog.



Figur 4: Skuggutbredning för layout PSWEsuv017 med hänsyn tagen till skog.



Figur 5: Skuggutbredning för layout PSWEsuv018 utan hänsyn tagen till skog.



Figur 6: Skuggutbredning för layout PSWEsuv018 med hänsyn tagen till skog.

WindPRO-rapporter

SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_PSWEsuv017_locked_SG170

Assumptions for shadow calculations

Maximum distance for influence
Calculate only when more than 20 % of 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) []
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,44 2,57 5,10 7,68 8,91 9,21 8,94 6,93 5,45 3,02 1,56 1,16

Operational time
N NNE ENE E ESE SSE S SSW WSW W WNW NNW Sum
566 660 592 457 432 570 671 889 1 213 1 421 547 544 8 563

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: Height Contours: CONTOURLINE_ONLINEDATA_0(1).w
Receptor grid resolution: 1,0 m

All coordinates are in
Swedish UTM 33-SWREF99 (SE)

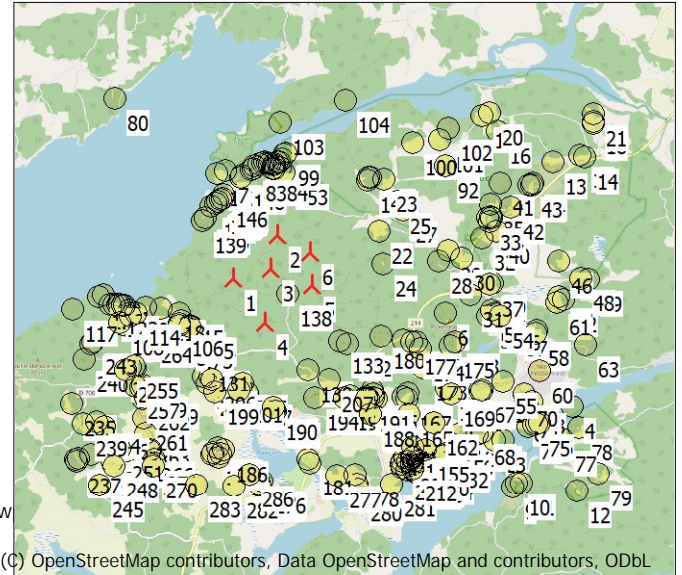
WTGs

	Easting	Northing	Z	Row data/Description	WTG type		Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Shadow data	
					Valid	Manufact.					Calculation distance [m]	RPM [RPM]
1	573 706	6 569 249	60,0	Siemens Gamesa SG 6.0-1...	Yes	Siemens Gamesa	SG 6.0-170-6 200	6 200	170,0	205,0	2 034	8,8
2	574 433	6 569 978	65,0	Siemens Gamesa SG 6.0-1...	Yes	Siemens Gamesa	SG 6.0-170-6 200	6 200	170,0	205,0	2 034	8,8
3	574 330	6 569 406	64,9	Siemens Gamesa SG 6.0-1...	Yes	Siemens Gamesa	SG 6.0-170-6 200	6 200	170,0	205,0	2 034	8,8
4	574 249	6 568 523	60,0	Siemens Gamesa SG 6.0-1...	Yes	Siemens Gamesa	SG 6.0-170-6 200	6 200	170,0	205,0	2 034	8,8
5	575 031	6 569 139	56,9	Siemens Gamesa SG 6.0-1...	Yes	Siemens Gamesa	SG 6.0-170-6 200	6 200	170,0	205,0	2 034	8,8
6	574 983	6 569 695	65,0	Siemens Gamesa SG 6.0-1...	Yes	Siemens Gamesa	SG 6.0-170-6 200	6 200	170,0	205,0	2 034	8,8

Shadow receptor-Input

No.	Name	Easting	Northing	Z	Width	Height	Elevation	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
		[m]			[m]	[m]	a.g.l. [m]	[°]		[m]
1	Fotbollsplan	575 005	6 566 282	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
2	Campingplats	578 089	6 566 644	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
3	Badplats	578 245	6 566 658	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
4	Badplats	579 375	6 567 239	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
5	Dammbyggnad, mindre	572 920	6 568 316	35,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
6	Mast	577 256	6 568 740	73,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
7	Gästhamn	573 546	6 571 018	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
8	Kyrka	576 966	6 566 097	41,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
9	Hus, storleksklass 1	578 431	6 565 866	43,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
10	Hus, storleksklass 1	578 479	6 565 944	42,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
11	Hus, storleksklass 1	578 566	6 565 945	46,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
12	Gård	579 493	6 565 837	55,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
13	Hus, storleksklass 1	578 972	6 571 279	35,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
14	Hus, storleksklass 1	579 507	6 571 373	32,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
15	Hus, storleksklass 1	579 427	6 571 380	32,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
16	Hus, storleksklass 1	578 058	6 571 766	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
17	Hus, storleksklass 1	579 628	6 571 921	30,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
18	Hus, storleksklass 1	579 636	6 571 962	30,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
19	Gård	577 785	6 572 018	26,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
20	Hus, storleksklass 1	577 909	6 572 056	38,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
21	Hus, storleksklass 1	579 623	6 572 068	32,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
22	Gård	576 123	6 570 075	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
23	Hus, storleksklass 1	576 187	6 570 924	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
24	Hus, storleksklass 1	576 195	6 569 519	46,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
25	Hus, storleksklass 1	576 405	6 570 555	48,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0

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SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_PSWEsuv017_locked_SG170

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No.	Name	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]		[m]
26	Hus, storleksklass 1	576 435	6 570 532	47,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
27	Hus, storleksklass 3	576 512	6 570 431	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
28	Gård	577 118	6 569 608	48,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
29	Gård	577 269	6 569 778	41,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
30	Hus, storleksklass 1	577 510	6 569 646	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
31	Hus, storleksklass 1	577 647	6 569 054	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
32	Hus, storleksklass 1	577 840	6 569 983	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
33	Hus, storleksklass 1	577 930	6 570 326	46,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
34	Hus, storleksklass 1	577 947	6 570 254	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
35	Hus, storleksklass 1	577 964	6 570 557	57,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
36	Hus, storleksklass 1	577 967	6 570 344	47,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
37	Hus, storleksklass 1	577 969	6 569 235	56,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
38	Hus, storleksklass 1	577 976	6 570 312	46,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
39	Hus, storleksklass 1	578 015	6 569 239	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
40	Gård	578 057	6 570 101	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
41	Hus, storleksklass 1	578 115	6 570 904	37,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
42	Hus, storleksklass 1	578 292	6 570 495	50,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
43	Hus, storleksklass 1	578 594	6 570 879	49,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
44	Hus, storleksklass 1	578 629	6 570 874	48,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
45	Hus, storleksklass 1	578 655	6 570 925	47,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
46	Hus, storleksklass 1	579 115	6 569 632	48,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
47	Hus, storleksklass 1	579 132	6 569 051	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
48	Hus, storleksklass 1	579 488	6 569 356	46,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
49	Gård	579 611	6 569 344	47,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
50	Hus, storleksklass 1	577 966	6 568 706	56,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
51	Hus, storleksklass 1	578 022	6 568 791	61,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
52	Hus, storleksklass 1	578 073	6 568 756	58,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
53	Hus, storleksklass 1	578 116	6 568 738	58,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
54	Hus, storleksklass 1	578 161	6 568 712	59,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
55	Hus, storleksklass 1	578 227	6 567 623	51,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
56	Gård	578 274	6 568 695	59,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
57	Hus, storleksklass 1	578 387	6 568 594	55,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
58	Hus, storleksklass 1	578 740	6 568 448	50,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
59	Hus, storleksklass 1	578 761	6 568 480	50,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
60	Hus, storleksklass 1	578 834	6 567 822	58,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
61	Gård	579 085	6 568 948	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
62	Hus, storleksklass 1	579 208	6 569 001	49,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
63	Hus, storleksklass 1	579 593	6 568 269	59,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
64	Hus, storleksklass 1	575 961	6 567 325	47,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
65	Hus, storleksklass 1	576 754	6 566 354	41,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
66	Hus, storleksklass 1	577 859	6 567 452	46,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
67	Hus, storleksklass 2	577 888	6 567 487	48,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
68	Hus, storleksklass 1	577 904	6 566 778	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
69	Hus, storleksklass 1	578 533	6 567 171	40,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
70	Hus, storleksklass 1	578 584	6 567 412	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
71	Hus, storleksklass 1	578 626	6 567 242	42,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
72	Herrgård	578 669	6 566 897	42,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
73	Hus, storleksklass 1	578 711	6 567 312	42,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
74	Hus, storleksklass 1	578 758	6 566 914	44,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
75	Hus, storleksklass 1	578 805	6 566 943	42,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
76	Hus, storleksklass 1	578 861	6 566 967	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
77	Hus, storleksklass 1	579 225	6 566 694	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
78	Hus, storleksklass 1	579 497	6 566 883	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
79	Hus, storleksklass 1	579 841	6 566 144	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
80	Hus, storleksklass 1	571 692	6 572 170	25,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
81	Hus, storleksklass 1	573 976	6 571 043	26,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
82	Hus, storleksklass 1	574 326	6 571 062	37,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
83	Hus, storleksklass 1	574 005	6 571 069	27,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
84	Hus, storleksklass 1	574 371	6 571 074	35,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
85	Hus, storleksklass 1	574 458	6 571 089	35,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
86	Hus, storleksklass 1	574 029	6 571 097	27,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
87	Hus, storleksklass 1	574 337	6 571 128	30,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
88	Hus, storleksklass 1	574 110	6 571 136	27,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
89	Hus, storleksklass 1	574 287	6 571 142	29,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0

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SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_PSWEsuv017_locked_SG170

...continued from previous page

No.	Name	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]		[m]
90	Hus, storleksklass 1	574 372	6 571 143	29,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
91	Hus, storleksklass 1	574 159	6 571 168	27,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
92	Hus, storleksklass 1	577 195	6 571 174	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
93	Hus, storleksklass 1	574 246	6 571 175	27,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
94	Hus, storleksklass 1	574 199	6 571 186	27,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
95	Hus, storleksklass 1	574 397	6 571 188	26,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
96	Hus, storleksklass 1	574 445	6 571 189	28,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
97	Hus, storleksklass 1	574 478	6 571 219	28,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
98	Hus, storleksklass 1	574 510	6 571 298	25,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
99	Hus, storleksklass 1	574 560	6 571 334	27,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
100	Hus, storleksklass 1	576 638	6 571 549	40,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
101	Gård	577 087	6 571 596	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
102	Hus, storleksklass 1	577 236	6 571 793	47,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
103	Hus, storleksklass 1	574 452	6 571 828	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
104	Hus, storleksklass 1	575 512	6 572 231	28,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
105	Hus, storleksklass 1	572 835	6 568 437	41,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
106	Hus, storleksklass 1	572 821	6 568 479	34,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
107	Hus, storleksklass 1	571 937	6 568 486	45,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
108	Hus, storleksklass 1	571 849	6 568 488	48,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
109	Hus, storleksklass 1	571 944	6 568 518	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
110	Hus, storleksklass 1	572 859	6 568 526	29,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
111	Hus, storleksklass 1	572 083	6 568 554	38,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
112	Hus, storleksklass 1	572 022	6 568 574	35,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
113	Hus, storleksklass 1	572 027	6 568 638	28,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
114	Hus, storleksklass 1	572 112	6 568 639	30,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
115	Hus, storleksklass 1	572 830	6 568 648	28,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
116	Hus, storleksklass 1	572 002	6 568 670	31,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
117	Hus, storleksklass 1	571 062	6 568 680	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
118	Hus, storleksklass 1	572 531	6 568 725	30,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
119	Hus, storleksklass 1	572 279	6 568 738	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
120	Hus, storleksklass 1	571 916	6 568 755	33,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
121	Hus, storleksklass 1	571 874	6 568 762	33,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
122	Hus, storleksklass 1	571 835	6 568 766	33,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
123	Hus, storleksklass 1	571 748	6 568 772	35,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
124	Hus, storleksklass 1	571 796	6 568 773	32,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
125	Hus, storleksklass 1	571 697	6 568 778	34,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
126	Hus, storleksklass 1	571 494	6 568 895	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
127	Hus, storleksklass 1	571 572	6 568 928	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
128	Hus, storleksklass 1	573 265	6 567 609	41,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
129	Hus, storleksklass 1	573 352	6 567 609	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
130	Gård	574 971	6 567 758	50,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
131	Hus, storleksklass 1	573 270	6 567 909	40,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
132	Hus, storleksklass 1	575 642	6 568 198	55,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
133	Gård	575 497	6 568 238	56,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
134	Hus, storleksklass 1	573 051	6 568 377	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
135	Hus, storleksklass 1	573 003	6 568 415	43,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
136	Hus, storleksklass 1	573 040	6 568 417	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
137	Hus, storleksklass 1	573 013	6 568 449	48,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
138	Hus, storleksklass 1	574 630	6 569 008	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
139	Hus, storleksklass 1	573 191	6 570 189	38,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
140	Hus, storleksklass 1	573 218	6 570 233	35,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
141	Hus, storleksklass 1	573 320	6 570 420	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
142	Hus, storleksklass 1	573 403	6 570 486	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
143	Hus, storleksklass 1	573 433	6 570 514	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
144	Hus, storleksklass 1	573 469	6 570 547	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
145	Hus, storleksklass 1	573 521	6 570 572	28,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
146	Hus, storleksklass 1	573 534	6 570 628	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
147	Hus, storleksklass 1	575 906	6 570 906	48,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
148	Hus, storleksklass 1	573 791	6 570 919	31,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
149	Hus, storleksklass 1	573 821	6 570 942	32,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
150	Hus, storleksklass 1	575 960	6 570 960	52,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
151	Hus, storleksklass 1	575 925	6 570 960	50,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
152	Hus, storleksklass 1	573 410	6 570 967	28,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
153	Hus, storleksklass 1	574 516	6 571 006	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0

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SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_PSWEsuv017_locked_SG170

...continued from previous page

No.	Name	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]		[m]
154	Hus, storleksklass 1	577 259	6 566 425	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
155	Hus, storleksklass 1	576 955	6 566 472	42,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
156	Hus, storleksklass 1	576 895	6 566 495	43,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
157	Hus, storleksklass 1	576 811	6 566 511	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
158	Hus, storleksklass 1	576 750	6 566 516	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
159	Hus, storleksklass 1	577 367	6 566 600	45,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
160	Hus, storleksklass 1	577 815	6 566 744	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
161	Hus, storleksklass 1	577 551	6 566 756	43,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
162	Hus, storleksklass 1	577 100	6 566 926	48,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
163	Hus, storleksklass 1	576 117	6 567 017	40,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
164	Hus, storleksklass 1	576 615	6 567 020	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
165	Hus, storleksklass 1	576 686	6 567 052	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
166	Hus, storleksklass 1	576 129	6 567 298	45,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
167	Hus, storleksklass 1	576 632	6 567 301	51,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
168	Hus, storleksklass 1	576 575	6 567 333	54,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
169	Hus, storleksklass 1	577 385	6 567 388	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
170	Hus, storleksklass 1	576 650	6 567 392	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
171	Gård	577 836	6 567 484	47,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
172	Hus, storleksklass 1	577 299	6 567 499	48,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
173	Gård	576 906	6 567 818	53,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
174	Hus, storleksklass 1	576 851	6 568 143	51,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
175	Hus, storleksklass 1	577 348	6 568 198	52,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
176	Gård	576 769	6 568 245	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
177	Hus, storleksklass 1	576 696	6 568 252	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
178	Hus, storleksklass 1	577 412	6 568 264	53,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
179	Hus, storleksklass 1	576 559	6 568 279	58,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
180	Hus, storleksklass 1	576 173	6 568 337	60,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
181	Hus, storleksklass 1	575 045	6 566 209	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
182	Hus, storleksklass 1	573 533	6 566 281	41,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
183	Hus, storleksklass 2	573 417	6 566 318	42,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
184	Hus, storleksklass 1	573 558	6 566 335	43,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
185	Hus, storleksklass 3	573 433	6 566 366	43,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
186	Gård	573 623	6 566 407	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
187	Hus, storleksklass 1	573 519	6 566 438	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
188	Hus, storleksklass 1	576 022	6 567 044	43,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
189	Hus, storleksklass 1	574 472	6 567 059	42,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
190	Hus, storleksklass 1	574 415	6 567 116	45,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
191	Hus, storleksklass 1	575 968	6 567 285	45,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
192	Hus, storleksklass 1	576 013	6 567 285	46,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
193	Hus, storleksklass 1	575 922	6 567 287	46,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
194	Hus, storleksklass 1	575 098	6 567 298	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
195	Hus, storleksklass 1	576 086	6 567 307	46,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
196	Hus, storleksklass 1	575 593	6 567 307	46,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
197	Hus, storleksklass 1	573 978	6 567 341	47,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
198	Hus, storleksklass 1	575 690	6 567 347	47,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
199	Gård	573 439	6 567 353	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
200	Hus, storleksklass 1	576 087	6 567 379	47,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
201	Hus, storleksklass 1	573 846	6 567 400	43,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
202	Hus, storleksklass 1	573 860	6 567 441	47,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
203	Hus, storleksklass 1	576 065	6 567 442	48,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
204	Hus, storleksklass 1	573 326	6 567 487	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
205	Hus, storleksklass 1	573 902	6 567 499	50,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
206	Hus, storleksklass 1	573 397	6 567 565	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
207	Hus, storleksklass 1	575 328	6 567 607	48,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
208	Hus, storleksklass 1	576 811	6 566 098	41,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
209	Hus, storleksklass 1	576 778	6 566 109	40,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
210	Hus, storleksklass 1	576 873	6 566 111	42,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
211	Hus, storleksklass 1	576 665	6 566 129	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
212	Hus, storleksklass 1	576 758	6 566 145	41,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
213	Hus, storleksklass 1	576 581	6 566 158	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
214	Hus, storleksklass 1	577 033	6 566 167	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
215	Klockstapel	576 956	6 566 168	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
216	Hus, storleksklass 1	576 920	6 566 189	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
217	Hus, storleksklass 2	576 844	6 566 210	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0

To be continued on next page...

SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_PSWEsuv017_locked_SG170

...continued from previous page

No.	Name	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]		[m]
218	Hus, storleksklass 2	576 742	6 566 217	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
219	Hus, storleksklass 1	576 565	6 566 224	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
220	Hus, storleksklass 1	576 962	6 566 231	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
221	Hus, storleksklass 1	576 891	6 566 231	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
222	Hus, storleksklass 1	576 741	6 566 256	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
223	Hus, storleksklass 1	576 580	6 566 263	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
224	Hus, storleksklass 1	576 787	6 566 264	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
225	Hus, storleksklass 3	576 677	6 566 271	42,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
226	Hus, storleksklass 1	576 876	6 566 273	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
227	Hus, storleksklass 1	576 775	6 566 294	43,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
228	Hus, storleksklass 1	576 853	6 566 297	43,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
229	Hus, storleksklass 1	576 823	6 566 309	43,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
230	Hus, storleksklass 3	576 642	6 566 336	40,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
231	Hus, storleksklass 1	576 726	6 566 341	42,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
232	Hus, storleksklass 1	577 285	6 566 380	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
233	Hus, storleksklass 1	576 731	6 566 387	40,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
234	Hus, storleksklass 1	577 295	6 566 415	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
235	Hus, storleksklass 1	571 080	6 567 109	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
236	Hus, storleksklass 1	571 140	6 566 198	60,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
237	Hus, storleksklass 1	571 171	6 566 164	58,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
238	Gård	571 206	6 566 225	59,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
239	Hus, storleksklass 1	571 267	6 566 789	51,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
240	Hus, storleksklass 1	571 278	6 567 873	60,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
241	Hus, storleksklass 1	571 357	6 568 117	57,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
242	Hus, storleksklass 1	571 402	6 566 291	54,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
243	Hus, storleksklass 1	571 404	6 568 139	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
244	Hus, storleksklass 1	571 480	6 566 828	50,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
245	Hus, storleksklass 1	571 564	6 565 770	51,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
246	Hus, storleksklass 1	571 636	6 566 751	50,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
247	Hus, storleksklass 3	571 749	6 566 169	50,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
248	Gård	571 792	6 566 098	49,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
249	Hus, storleksklass 1	571 859	6 567 775	61,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
250	Hus, storleksklass 1	571 893	6 568 433	50,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
251	Hus, storleksklass 1	571 897	6 566 387	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
252	Hus, storleksklass 1	571 958	6 567 704	61,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
253	Hus, storleksklass 1	572 011	6 566 348	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
254	Hus, storleksklass 1	572 039	6 567 747	63,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
255	Hus, storleksklass 1	572 099	6 567 766	64,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
256	Hus, storleksklass 1	572 123	6 567 729	62,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
257	Hus, storleksklass 1	572 124	6 567 430	50,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
258	Hus, storleksklass 1	572 232	6 567 413	50,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
259	Hus, storleksklass 1	572 235	6 567 452	51,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
260	Hus, storleksklass 1	572 238	6 567 212	47,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
261	Gård	572 268	6 566 897	49,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
262	Hus, storleksklass 1	572 299	6 567 233	46,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
263	Hus, storleksklass 1	572 325	6 566 653	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
264	Hus, storleksklass 1	572 331	6 568 360	52,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
265	Hus, storleksklass 1	572 357	6 568 379	51,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
266	Hus, storleksklass 1	572 371	6 566 358	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
267	Hus, storleksklass 1	572 397	6 566 378	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
268	Hus, storleksklass 1	572 403	6 566 168	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
269	Gård	572 446	6 567 343	49,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
270	Hus, storleksklass 1	572 448	6 566 102	44,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
271	Hus, storleksklass 1	572 457	6 566 223	43,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
272	Hus, storleksklass 1	572 475	6 566 163	43,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
273	Hus, storleksklass 1	572 987	6 568 276	39,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
274	Hus, storleksklass 1	574 191	6 565 932	44,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
275	Hus, storleksklass 1	574 227	6 565 827	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
276	Hus, storleksklass 1	574 259	6 565 884	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
277	Hus, storleksklass 1	575 497	6 566 009	43,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
278	Hus, storleksklass 1	575 802	6 566 041	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
279	Hus, storleksklass 1	575 847	6 565 887	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
280	Hus, storleksklass 1	575 860	6 565 801	44,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
281	Hus, storleksklass 2	576 398	6 565 898	40,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0

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SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_PSWEsuv017_locked_SG170

...continued from previous page

No.	Name	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]		[m]
282	Hus, storleksklass 1	573 804	6 565 790	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
283	Hus, storleksklass 1	573 168	6 565 805	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
284	Hus, storleksklass 1	574 182	6 565 822	41,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
285	Gård	574 153	6 565 846	43,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
286	Hus, storleksklass 1	574 054	6 565 996	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0

Calculation Results

Shadow receptor

No.	Name	Shadow, worst case			Shadow, expected values
		Shadow hours per year [h/year]	Shadow days per year [days/year]	Max shadow hours per day [h/day]	Shadow hours per year [h/year]
1	Fotbollsplan	0:00	0	0:00	0:00
2	Campingplats	0:00	0	0:00	0:00
3	Badplats	0:00	0	0:00	0:00
4	Badplats	0:00	0	0:00	0:00
5	Dammybyggnad, mindre	30:55	89	0:30	10:05
6	Mast	0:00	0	0:00	0:00
7	Gästhamn	62:31	123	0:51	8:06
8	Kyrka	0:00	0	0:00	0:00
9	Hus, storleksklass 1	0:00	0	0:00	0:00
10	Hus, storleksklass 1	0:00	0	0:00	0:00
11	Hus, storleksklass 1	0:00	0	0:00	0:00
12	Gård	0:00	0	0:00	0:00
13	Hus, storleksklass 1	0:00	0	0:00	0:00
14	Hus, storleksklass 1	0:00	0	0:00	0:00
15	Hus, storleksklass 1	0:00	0	0:00	0:00
16	Hus, storleksklass 1	0:00	0	0:00	0:00
17	Hus, storleksklass 1	0:00	0	0:00	0:00
18	Hus, storleksklass 1	0:00	0	0:00	0:00
19	Gård	0:00	0	0:00	0:00
20	Hus, storleksklass 1	0:00	0	0:00	0:00
21	Hus, storleksklass 1	0:00	0	0:00	0:00
22	Gård	45:36	115	0:40	11:35
23	Hus, storleksklass 1	17:58	62	0:24	3:26
24	Hus, storleksklass 1	56:15	109	0:56	16:14
25	Hus, storleksklass 1	18:36	63	0:24	3:35
26	Hus, storleksklass 1	18:20	63	0:24	3:37
27	Hus, storleksklass 3	17:16	59	0:24	3:43
28	Gård	0:00	0	0:00	0:00
29	Gård	0:00	0	0:00	0:00
30	Hus, storleksklass 1	0:00	0	0:00	0:00
31	Hus, storleksklass 1	0:00	0	0:00	0:00
32	Hus, storleksklass 1	0:00	0	0:00	0:00
33	Hus, storleksklass 1	0:00	0	0:00	0:00
34	Hus, storleksklass 1	0:00	0	0:00	0:00
35	Hus, storleksklass 1	0:00	0	0:00	0:00
36	Hus, storleksklass 1	0:00	0	0:00	0:00
37	Hus, storleksklass 1	0:00	0	0:00	0:00
38	Hus, storleksklass 1	0:00	0	0:00	0:00
39	Hus, storleksklass 1	0:00	0	0:00	0:00
40	Gård	0:00	0	0:00	0:00
41	Hus, storleksklass 1	0:00	0	0:00	0:00
42	Hus, storleksklass 1	0:00	0	0:00	0:00
43	Hus, storleksklass 1	0:00	0	0:00	0:00
44	Hus, storleksklass 1	0:00	0	0:00	0:00
45	Hus, storleksklass 1	0:00	0	0:00	0:00
46	Hus, storleksklass 1	0:00	0	0:00	0:00
47	Hus, storleksklass 1	0:00	0	0:00	0:00
48	Hus, storleksklass 1	0:00	0	0:00	0:00
49	Gård	0:00	0	0:00	0:00
50	Hus, storleksklass 1	0:00	0	0:00	0:00
51	Hus, storleksklass 1	0:00	0	0:00	0:00

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SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_PSWEsuv017_locked_SG170

...continued from previous page

No.	Name	Shadow, worst case		Shadow, expected values	
		Shadow hours per year [h/year]	Shadow days per year [days/year]	Max shadow hours per day [h/day]	Shadow hours per year [h/year]
52	Hus, storleksklass 1	0:00	0	0:00	0:00
53	Hus, storleksklass 1	0:00	0	0:00	0:00
54	Hus, storleksklass 1	0:00	0	0:00	0:00
55	Hus, storleksklass 1	0:00	0	0:00	0:00
56	Gård	0:00	0	0:00	0:00
57	Hus, storleksklass 1	0:00	0	0:00	0:00
58	Hus, storleksklass 1	0:00	0	0:00	0:00
59	Hus, storleksklass 1	0:00	0	0:00	0:00
60	Hus, storleksklass 1	0:00	0	0:00	0:00
61	Gård	0:00	0	0:00	0:00
62	Hus, storleksklass 1	0:00	0	0:00	0:00
63	Hus, storleksklass 1	0:00	0	0:00	0:00
64	Hus, storleksklass 1	0:00	0	0:00	0:00
65	Hus, storleksklass 1	0:00	0	0:00	0:00
66	Hus, storleksklass 1	0:00	0	0:00	0:00
67	Hus, storleksklass 2	0:00	0	0:00	0:00
68	Hus, storleksklass 1	0:00	0	0:00	0:00
69	Hus, storleksklass 1	0:00	0	0:00	0:00
70	Hus, storleksklass 1	0:00	0	0:00	0:00
71	Hus, storleksklass 1	0:00	0	0:00	0:00
72	Herrgård	0:00	0	0:00	0:00
73	Hus, storleksklass 1	0:00	0	0:00	0:00
74	Hus, storleksklass 1	0:00	0	0:00	0:00
75	Hus, storleksklass 1	0:00	0	0:00	0:00
76	Hus, storleksklass 1	0:00	0	0:00	0:00
77	Hus, storleksklass 1	0:00	0	0:00	0:00
78	Hus, storleksklass 1	0:00	0	0:00	0:00
79	Hus, storleksklass 1	0:00	0	0:00	0:00
80	Hus, storleksklass 1	0:00	0	0:00	0:00
81	Hus, storleksklass 1	86:28	111	1:01	10:42
82	Hus, storleksklass 1	102:28	101	1:34	12:47
83	Hus, storleksklass 1	85:44	108	1:01	10:31
84	Hus, storleksklass 1	101:02	100	1:32	12:41
85	Hus, storleksklass 1	99:13	100	1:28	12:30
86	Hus, storleksklass 1	84:52	105	1:00	10:20
87	Hus, storleksklass 1	96:18	98	1:30	11:57
88	Hus, storleksklass 1	85:52	100	1:12	10:20
89	Hus, storleksklass 1	94:35	97	1:30	11:39
90	Hus, storleksklass 1	95:34	96	1:29	11:54
91	Hus, storleksklass 1	86:07	97	1:18	10:23
92	Hus, storleksklass 1	0:00	0	0:00	0:00
93	Hus, storleksklass 1	90:09	95	1:27	10:59
94	Hus, storleksklass 1	87:19	94	1:23	10:33
95	Hus, storleksklass 1	73:42	94	1:07	9:02
96	Hus, storleksklass 1	75:09	93	1:05	9:12
97	Hus, storleksklass 1	73:58	91	1:03	9:02
98	Hus, storleksklass 1	68:11	86	0:59	8:15
99	Hus, storleksklass 1	64:21	84	0:57	7:47
100	Hus, storleksklass 1	0:00	0	0:00	0:00
101	Gård	0:00	0	0:00	0:00
102	Hus, storleksklass 1	0:00	0	0:00	0:00
103	Hus, storleksklass 1	18:46	54	0:24	2:16
104	Hus, storleksklass 1	0:00	0	0:00	0:00
105	Hus, storleksklass 1	38:48	108	0:29	12:51
106	Hus, storleksklass 1	39:03	112	0:28	12:56
107	Hus, storleksklass 1	10:36	38	0:22	3:29
108	Hus, storleksklass 1	9:11	34	0:21	2:58
109	Hus, storleksklass 1	10:34	37	0:22	3:27
110	Hus, storleksklass 1	40:38	112	0:29	13:25
111	Hus, storleksklass 1	13:12	44	0:24	4:22
112	Hus, storleksklass 1	11:49	40	0:23	3:51
113	Hus, storleksklass 1	11:37	39	0:23	3:44
114	Hus, storleksklass 1	13:23	42	0:25	4:22

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SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_PSWEsuv017_locked_SG170

...continued from previous page

No.	Name	Shadow, worst case		Shadow, expected values	
		Shadow hours per year [h/year]	Shadow days per year [days/year]	Max shadow hours per day [h/day]	Shadow hours per year [h/year]
115	Hus, storleksklass 1	38:38	124	0:28	12:28
116	Hus, storleksklass 1	10:56	36	0:23	3:29
117	Hus, storleksklass 1	0:00	0	0:00	0:00
118	Hus, storleksklass 1	55:47	143	0:33	18:08
119	Hus, storleksklass 1	24:01	75	0:27	7:25
120	Hus, storleksklass 1	9:30	34	0:22	2:59
121	Hus, storleksklass 1	8:58	32	0:22	2:48
122	Hus, storleksklass 1	8:28	30	0:21	2:39
123	Hus, storleksklass 1	7:36	29	0:20	2:23
124	Hus, storleksklass 1	8:08	30	0:21	2:33
125	Hus, storleksklass 1	0:00	0	0:00	0:00
126	Hus, storleksklass 1	0:00	0	0:00	0:00
127	Hus, storleksklass 1	0:00	0	0:00	0:00
128	Hus, storleksklass 1	0:00	0	0:00	0:00
129	Hus, storleksklass 1	0:00	0	0:00	0:00
130	Gård	0:00	0	0:00	0:00
131	Hus, storleksklass 1	26:48	56	0:35	9:10
132	Hus, storleksklass 1	16:36	45	0:29	4:46
133	Gård	21:17	51	0:32	6:08
134	Hus, storleksklass 1	31:21	85	0:33	10:06
135	Hus, storleksklass 1	36:05	95	0:32	11:46
136	Hus, storleksklass 1	34:47	92	0:33	11:17
137	Hus, storleksklass 1	38:50	99	0:33	12:41
138	Hus, storleksklass 1	172:08	189	1:24	49:29
139	Hus, storleksklass 1	79:30	178	0:45	14:06
140	Hus, storleksklass 1	67:30	153	0:38	12:22
141	Hus, storleksklass 1	65:36	153	0:38	10:51
142	Hus, storleksklass 1	70:15	160	0:42	11:11
143	Hus, storleksklass 1	73:01	168	0:43	11:25
144	Hus, storleksklass 1	76:42	171	0:45	11:44
145	Hus, storleksklass 1	80:38	167	0:47	12:08
146	Hus, storleksklass 1	79:06	160	0:47	11:34
147	Hus, storleksklass 1	42:31	143	0:27	6:49
148	Hus, storleksklass 1	73:48	127	0:50	9:27
149	Hus, storleksklass 1	85:42	124	1:00	11:00
150	Hus, storleksklass 1	22:37	72	0:26	3:58
151	Hus, storleksklass 1	41:59	137	0:27	6:33
152	Hus, storleksklass 1	58:44	128	0:48	7:40
153	Hus, storleksklass 1	117:48	106	1:35	14:50
154	Hus, storleksklass 1	0:00	0	0:00	0:00
155	Hus, storleksklass 1	0:00	0	0:00	0:00
156	Hus, storleksklass 1	0:00	0	0:00	0:00
157	Hus, storleksklass 1	0:00	0	0:00	0:00
158	Hus, storleksklass 1	0:00	0	0:00	0:00
159	Hus, storleksklass 1	0:00	0	0:00	0:00
160	Hus, storleksklass 1	0:00	0	0:00	0:00
161	Hus, storleksklass 1	0:00	0	0:00	0:00
162	Hus, storleksklass 1	0:00	0	0:00	0:00
163	Hus, storleksklass 1	0:00	0	0:00	0:00
164	Hus, storleksklass 1	0:00	0	0:00	0:00
165	Hus, storleksklass 1	0:00	0	0:00	0:00
166	Hus, storleksklass 1	0:00	0	0:00	0:00
167	Hus, storleksklass 1	0:00	0	0:00	0:00
168	Hus, storleksklass 1	0:00	0	0:00	0:00
169	Hus, storleksklass 1	0:00	0	0:00	0:00
170	Hus, storleksklass 1	0:00	0	0:00	0:00
171	Gård	0:00	0	0:00	0:00
172	Hus, storleksklass 1	0:00	0	0:00	0:00
173	Gård	0:00	0	0:00	0:00
174	Hus, storleksklass 1	0:00	0	0:00	0:00
175	Hus, storleksklass 1	0:00	0	0:00	0:00
176	Gård	13:08	47	0:22	3:54
177	Hus, storleksklass 1	15:30	54	0:23	4:37

To be continued on next page...

SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_PSWEsuv017_locked_SG170

...continued from previous page

No.	Name	Shadow, worst case			Shadow, expected values	
		Shadow hours per year [h/year]	Shadow days per year [days/year]	Max shadow hours per day [h/day]	Shadow hours per year [h/year]	
178	Hus, storleksklass 1	0:00	0	0:00	0:00	
179	Hus, storleksklass 1	24:11	81	0:25	7:09	
180	Hus, storleksklass 1	26:17	77	0:29	7:38	
181	Hus, storleksklass 1	0:00	0	0:00	0:00	
182	Hus, storleksklass 1	0:00	0	0:00	0:00	
183	Hus, storleksklass 2	0:00	0	0:00	0:00	
184	Hus, storleksklass 1	0:00	0	0:00	0:00	
185	Hus, storleksklass 3	0:00	0	0:00	0:00	
186	Gård	0:00	0	0:00	0:00	
187	Hus, storleksklass 1	0:00	0	0:00	0:00	
188	Hus, storleksklass 1	0:00	0	0:00	0:00	
189	Hus, storleksklass 1	0:00	0	0:00	0:00	
190	Hus, storleksklass 1	0:00	0	0:00	0:00	
191	Hus, storleksklass 1	0:00	0	0:00	0:00	
192	Hus, storleksklass 1	0:00	0	0:00	0:00	
193	Hus, storleksklass 1	0:00	0	0:00	0:00	
194	Hus, storleksklass 1	0:00	0	0:00	0:00	
195	Hus, storleksklass 1	0:00	0	0:00	0:00	
196	Hus, storleksklass 1	0:00	0	0:00	0:00	
197	Hus, storleksklass 1	0:00	0	0:00	0:00	
198	Hus, storleksklass 1	6:05	29	0:16	1:42	
199	Gård	0:00	0	0:00	0:00	
200	Hus, storleksklass 1	0:00	0	0:00	0:00	
201	Hus, storleksklass 1	0:00	0	0:00	0:00	
202	Hus, storleksklass 1	0:00	0	0:00	0:00	
203	Hus, storleksklass 1	0:00	0	0:00	0:00	
204	Hus, storleksklass 1	0:00	0	0:00	0:00	
205	Hus, storleksklass 1	0:00	0	0:00	0:00	
206	Hus, storleksklass 1	0:00	0	0:00	0:00	
207	Hus, storleksklass 1	0:00	0	0:00	0:00	
208	Hus, storleksklass 1	0:00	0	0:00	0:00	
209	Hus, storleksklass 1	0:00	0	0:00	0:00	
210	Hus, storleksklass 1	0:00	0	0:00	0:00	
211	Hus, storleksklass 1	0:00	0	0:00	0:00	
212	Hus, storleksklass 1	0:00	0	0:00	0:00	
213	Hus, storleksklass 1	0:00	0	0:00	0:00	
214	Hus, storleksklass 1	0:00	0	0:00	0:00	
215	Klockstapel	0:00	0	0:00	0:00	
216	Hus, storleksklass 1	0:00	0	0:00	0:00	
217	Hus, storleksklass 2	0:00	0	0:00	0:00	
218	Hus, storleksklass 2	0:00	0	0:00	0:00	
219	Hus, storleksklass 1	0:00	0	0:00	0:00	
220	Hus, storleksklass 1	0:00	0	0:00	0:00	
221	Hus, storleksklass 1	0:00	0	0:00	0:00	
222	Hus, storleksklass 1	0:00	0	0:00	0:00	
223	Hus, storleksklass 1	0:00	0	0:00	0:00	
224	Hus, storleksklass 1	0:00	0	0:00	0:00	
225	Hus, storleksklass 3	0:00	0	0:00	0:00	
226	Hus, storleksklass 1	0:00	0	0:00	0:00	
227	Hus, storleksklass 1	0:00	0	0:00	0:00	
228	Hus, storleksklass 1	0:00	0	0:00	0:00	
229	Hus, storleksklass 1	0:00	0	0:00	0:00	
230	Hus, storleksklass 3	0:00	0	0:00	0:00	
231	Hus, storleksklass 1	0:00	0	0:00	0:00	
232	Hus, storleksklass 1	0:00	0	0:00	0:00	
233	Hus, storleksklass 1	0:00	0	0:00	0:00	
234	Hus, storleksklass 1	0:00	0	0:00	0:00	
235	Hus, storleksklass 1	0:00	0	0:00	0:00	
236	Hus, storleksklass 1	0:00	0	0:00	0:00	
237	Hus, storleksklass 1	0:00	0	0:00	0:00	
238	Gård	0:00	0	0:00	0:00	
239	Hus, storleksklass 1	0:00	0	0:00	0:00	
240	Hus, storleksklass 1	0:00	0	0:00	0:00	

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SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_PSWEsuv017_locked_SG170

...continued from previous page

No.	Name	Shadow, worst case		Shadow, expected values	
		Shadow hours per year [h/year]	Shadow days per year [days/year]	Max shadow hours per day [h/day]	Shadow hours per year [h/year]
241	Hus, storleksklass 1	0:00	0	0:00	0:00
242	Hus, storleksklass 1	0:00	0	0:00	0:00
243	Hus, storleksklass 1	0:00	0	0:00	0:00
244	Hus, storleksklass 1	0:00	0	0:00	0:00
245	Hus, storleksklass 1	0:00	0	0:00	0:00
246	Hus, storleksklass 1	0:00	0	0:00	0:00
247	Hus, storleksklass 3	0:00	0	0:00	0:00
248	Gård	0:00	0	0:00	0:00
249	Hus, storleksklass 1	0:00	0	0:00	0:00
250	Hus, storleksklass 1	9:58	36	0:21	3:17
251	Hus, storleksklass 1	0:00	0	0:00	0:00
252	Hus, storleksklass 1	0:00	0	0:00	0:00
253	Hus, storleksklass 1	0:00	0	0:00	0:00
254	Hus, storleksklass 1	0:00	0	0:00	0:00
255	Hus, storleksklass 1	0:00	0	0:00	0:00
256	Hus, storleksklass 1	0:00	0	0:00	0:00
257	Hus, storleksklass 1	0:00	0	0:00	0:00
258	Hus, storleksklass 1	0:00	0	0:00	0:00
259	Hus, storleksklass 1	0:00	0	0:00	0:00
260	Hus, storleksklass 1	0:00	0	0:00	0:00
261	Gård	0:00	0	0:00	0:00
262	Hus, storleksklass 1	0:00	0	0:00	0:00
263	Hus, storleksklass 1	0:00	0	0:00	0:00
264	Hus, storleksklass 1	35:20	100	0:27	11:53
265	Hus, storleksklass 1	35:47	99	0:27	12:02
266	Hus, storleksklass 1	0:00	0	0:00	0:00
267	Hus, storleksklass 1	0:00	0	0:00	0:00
268	Hus, storleksklass 1	0:00	0	0:00	0:00
269	Gård	0:00	0	0:00	0:00
270	Hus, storleksklass 1	0:00	0	0:00	0:00
271	Hus, storleksklass 1	0:00	0	0:00	0:00
272	Hus, storleksklass 1	0:00	0	0:00	0:00
273	Hus, storleksklass 1	25:49	76	0:32	8:16
274	Hus, storleksklass 1	0:00	0	0:00	0:00
275	Hus, storleksklass 1	0:00	0	0:00	0:00
276	Hus, storleksklass 1	0:00	0	0:00	0:00
277	Hus, storleksklass 1	0:00	0	0:00	0:00
278	Hus, storleksklass 1	0:00	0	0:00	0:00
279	Hus, storleksklass 1	0:00	0	0:00	0:00
280	Hus, storleksklass 1	0:00	0	0:00	0:00
281	Hus, storleksklass 2	0:00	0	0:00	0:00
282	Hus, storleksklass 1	0:00	0	0:00	0:00
283	Hus, storleksklass 1	0:00	0	0:00	0:00
284	Hus, storleksklass 1	0:00	0	0:00	0:00
285	Gård	0:00	0	0:00	0:00
286	Hus, storleksklass 1	0:00	0	0:00	0:00

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

No.	Name	Worst case [h/year]	Expected [h/year]
1	Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 205,0 m (TOT: 290,0 m) (32)	406:10	82:10
2	Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 205,0 m (TOT: 290,0 m) (33)	367:49	61:53
3	Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 205,0 m (TOT: 290,0 m) (34)	325:43	60:48
4	Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 205,0 m (TOT: 290,0 m) (35)	205:50	56:46
5	Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 205,0 m (TOT: 290,0 m) (36)	180:58	45:18
6	Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 205,0 m (TOT: 290,0 m) (37)	261:54	44:52

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.

SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_FOREST_PSWEsuv017_locked_SG170

Assumptions for shadow calculations

Maximum distance for influence
 Calculate only when more than 20 % of 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) []
 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
 1,44 2,57 5,10 7,68 8,91 9,21 8,94 6,93 5,45 3,02 1,56 1,16

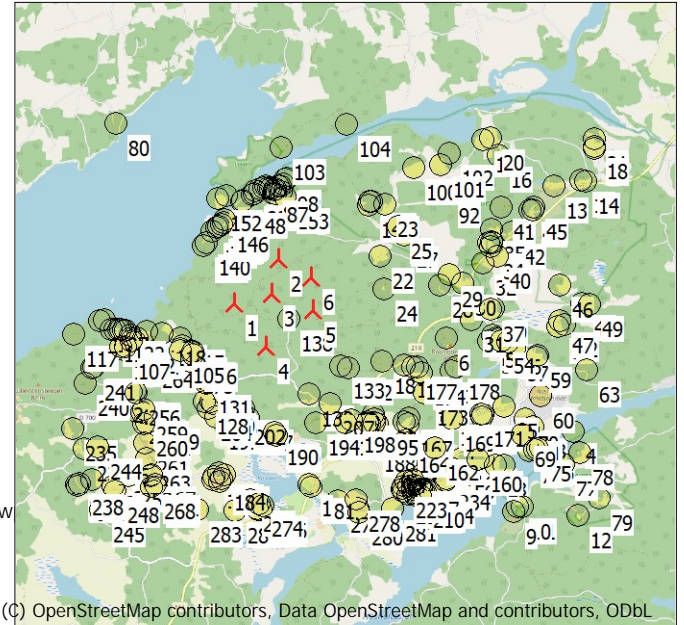
Operational time
 N NNE ENE E ESE SSE S SSW WSW W WNW NNW Sum
 566 660 592 457 432 570 671 889 1 213 1 421 547 544 8 562

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: Height Contours: CONTOURLINE_ONLINEDATA_0(1).w
 Area object(s) used in calculation:
 Merged forest data SkogligGrunddata2021lev2+SLU2015
 Receptor grid resolution: 1,0 m

All coordinates are in Swedish UTM 33-SWREF99 (SE)

WTGs

Easting	Northing	Z	Row data/Description	WTG type			Shadow data				
				Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Calculation distance [m]	RPM [RPM]
1	573 706	6 569 249	60,0 Siemens Gamesa SG 6.0-1...	Yes	Siemens Gamesa	SG 6.0-170-6 200	6 200	170,0	205,0	2 034	8,8
2	574 433	6 569 978	65,0 Siemens Gamesa SG 6.0-1...	Yes	Siemens Gamesa	SG 6.0-170-6 200	6 200	170,0	205,0	2 034	8,8
3	574 330	6 569 406	64,9 Siemens Gamesa SG 6.0-1...	Yes	Siemens Gamesa	SG 6.0-170-6 200	6 200	170,0	205,0	2 034	8,8
4	574 249	6 568 523	60,0 Siemens Gamesa SG 6.0-1...	Yes	Siemens Gamesa	SG 6.0-170-6 200	6 200	170,0	205,0	2 034	8,8
5	575 031	6 569 139	56,9 Siemens Gamesa SG 6.0-1...	Yes	Siemens Gamesa	SG 6.0-170-6 200	6 200	170,0	205,0	2 034	8,8
6	574 983	6 569 695	65,0 Siemens Gamesa SG 6.0-1...	Yes	Siemens Gamesa	SG 6.0-170-6 200	6 200	170,0	205,0	2 034	8,8



Scale 1:125 000
 New WTG Shadow receptor

Shadow receptor-Input

No.	Name	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]
1	Fotbollsplan	575 005	6 566 282	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
2	Campingplats	578 089	6 566 644	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
3	Badplats	578 245	6 566 658	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
4	Badplats	579 375	6 567 239	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
5	Dammybyggnad, mindre	572 920	6 568 316	35,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
6	Mast	577 256	6 568 740	73,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
7	Gästhamn	573 546	6 571 018	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
8	Kyrka	576 966	6 566 097	41,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
9	Hus, storleksklass 1	578 431	6 565 866	43,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
10	Hus, storleksklass 1	578 479	6 565 944	42,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
11	Hus, storleksklass 1	578 566	6 565 945	46,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
12	Gård	579 493	6 565 837	55,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
13	Hus, storleksklass 1	578 972	6 571 279	35,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
14	Hus, storleksklass 1	579 507	6 571 373	32,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
15	Hus, storleksklass 1	579 427	6 571 380	32,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
16	Hus, storleksklass 1	578 058	6 571 766	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
17	Hus, storleksklass 1	579 628	6 571 921	30,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
18	Hus, storleksklass 1	579 636	6 571 962	30,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
19	Gård	577 785	6 572 018	26,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
20	Hus, storleksklass 1	577 909	6 572 056	38,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
21	Hus, storleksklass 1	579 623	6 572 068	32,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
22	Gård	576 123	6 570 075	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
23	Hus, storleksklass 1	576 187	6 570 924	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0

To be continued on next page...

SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_FOREST_PSWEsuv017_locked_SG170

...continued from previous page

No.	Name	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]		[m]
24	Hus, storleksklass 1	576 195	6 569 519	46,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
25	Hus, storleksklass 1	576 405	6 570 555	48,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
26	Hus, storleksklass 1	576 435	6 570 532	47,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
27	Hus, storleksklass 3	576 512	6 570 431	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
28	Gård	577 118	6 569 608	48,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
29	Gård	577 269	6 569 778	41,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
30	Hus, storleksklass 1	577 510	6 569 646	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
31	Hus, storleksklass 1	577 647	6 569 054	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
32	Hus, storleksklass 1	577 840	6 569 983	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
33	Hus, storleksklass 1	577 930	6 570 326	46,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
34	Hus, storleksklass 1	577 947	6 570 254	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
35	Hus, storleksklass 1	577 964	6 570 557	57,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
36	Hus, storleksklass 1	577 967	6 570 344	47,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
37	Hus, storleksklass 1	577 969	6 569 235	56,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
38	Hus, storleksklass 1	577 976	6 570 312	46,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
39	Hus, storleksklass 1	578 015	6 569 239	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
40	Gård	578 057	6 570 101	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
41	Hus, storleksklass 1	578 115	6 570 904	37,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
42	Hus, storleksklass 1	578 292	6 570 495	50,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
43	Hus, storleksklass 1	578 594	6 570 879	49,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
44	Hus, storleksklass 1	578 629	6 570 874	48,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
45	Hus, storleksklass 1	578 655	6 570 925	47,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
46	Hus, storleksklass 1	579 115	6 569 632	48,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
47	Hus, storleksklass 1	579 132	6 569 051	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
48	Hus, storleksklass 1	579 488	6 569 356	46,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
49	Gård	579 611	6 569 344	47,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
50	Hus, storleksklass 1	577 966	6 568 706	56,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
51	Hus, storleksklass 1	578 022	6 568 791	61,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
52	Hus, storleksklass 1	578 073	6 568 756	58,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
53	Hus, storleksklass 1	578 116	6 568 738	58,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
54	Hus, storleksklass 1	578 161	6 568 712	59,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
55	Hus, storleksklass 1	578 227	6 567 623	51,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
56	Gård	578 274	6 568 695	59,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
57	Hus, storleksklass 1	578 387	6 568 594	55,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
58	Hus, storleksklass 1	578 740	6 568 448	50,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
59	Hus, storleksklass 1	578 761	6 568 480	50,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
60	Hus, storleksklass 1	578 834	6 567 822	58,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
61	Gård	579 085	6 568 948	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
62	Hus, storleksklass 1	579 208	6 569 001	49,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
63	Hus, storleksklass 1	579 593	6 568 269	59,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
64	Hus, storleksklass 1	575 961	6 567 325	47,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
65	Hus, storleksklass 1	576 754	6 566 354	41,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
66	Hus, storleksklass 1	577 859	6 567 452	46,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
67	Hus, storleksklass 2	577 888	6 567 487	48,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
68	Hus, storleksklass 1	577 904	6 566 778	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
69	Hus, storleksklass 1	578 533	6 567 171	40,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
70	Hus, storleksklass 1	578 584	6 567 412	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
71	Hus, storleksklass 1	578 626	6 567 242	42,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
72	Herrgård	578 669	6 566 897	42,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
73	Hus, storleksklass 1	578 711	6 567 312	42,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
74	Hus, storleksklass 1	578 758	6 566 914	44,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
75	Hus, storleksklass 1	578 805	6 566 943	42,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
76	Hus, storleksklass 1	578 861	6 566 967	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
77	Hus, storleksklass 1	579 225	6 566 694	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
78	Hus, storleksklass 1	579 497	6 566 883	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
79	Hus, storleksklass 1	579 841	6 566 144	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
80	Hus, storleksklass 1	571 692	6 572 170	25,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
81	Hus, storleksklass 1	573 976	6 571 043	26,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
82	Hus, storleksklass 1	574 326	6 571 062	37,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
83	Hus, storleksklass 1	574 005	6 571 069	27,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
84	Hus, storleksklass 1	574 371	6 571 074	35,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
85	Hus, storleksklass 1	574 458	6 571 089	35,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
86	Hus, storleksklass 1	574 029	6 571 097	27,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
87	Hus, storleksklass 1	574 337	6 571 128	30,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0

To be continued on next page...

SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_FOREST_PSWEsuv017_locked_SG170

...continued from previous page

No.	Name	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]		[m]
88	Hus, storleksklass 1	574 110	6 571 136	27,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
89	Hus, storleksklass 1	574 287	6 571 142	29,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
90	Hus, storleksklass 1	574 372	6 571 143	29,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
91	Hus, storleksklass 1	574 159	6 571 168	27,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
92	Hus, storleksklass 1	577 195	6 571 174	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
93	Hus, storleksklass 1	574 246	6 571 175	27,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
94	Hus, storleksklass 1	574 199	6 571 186	27,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
95	Hus, storleksklass 1	574 397	6 571 188	26,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
96	Hus, storleksklass 1	574 445	6 571 189	28,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
97	Hus, storleksklass 1	574 478	6 571 219	28,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
98	Hus, storleksklass 1	574 510	6 571 298	25,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
99	Hus, storleksklass 1	574 560	6 571 334	27,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
100	Hus, storleksklass 1	576 638	6 571 549	40,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
101	Gård	577 087	6 571 596	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
102	Hus, storleksklass 1	577 236	6 571 793	47,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
103	Hus, storleksklass 1	574 452	6 571 828	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
104	Hus, storleksklass 1	575 512	6 572 231	28,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
105	Hus, storleksklass 1	572 835	6 568 437	41,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
106	Hus, storleksklass 1	572 821	6 568 479	34,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
107	Hus, storleksklass 1	571 937	6 568 486	45,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
108	Hus, storleksklass 1	571 849	6 568 488	48,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
109	Hus, storleksklass 1	571 944	6 568 518	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
110	Hus, storleksklass 1	572 859	6 568 526	29,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
111	Hus, storleksklass 1	572 083	6 568 554	38,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
112	Hus, storleksklass 1	572 022	6 568 574	35,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
113	Hus, storleksklass 1	572 027	6 568 638	28,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
114	Hus, storleksklass 1	572 112	6 568 639	30,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
115	Hus, storleksklass 1	572 830	6 568 648	28,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
116	Hus, storleksklass 1	572 002	6 568 670	31,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
117	Hus, storleksklass 1	571 062	6 568 680	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
118	Hus, storleksklass 1	572 531	6 568 725	30,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
119	Hus, storleksklass 1	572 279	6 568 738	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
120	Hus, storleksklass 1	571 916	6 568 755	33,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
121	Hus, storleksklass 1	571 874	6 568 762	33,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
122	Hus, storleksklass 1	571 835	6 568 766	33,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
123	Hus, storleksklass 1	571 748	6 568 772	35,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
124	Hus, storleksklass 1	571 796	6 568 773	32,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
125	Hus, storleksklass 1	571 697	6 568 778	34,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
126	Hus, storleksklass 1	571 494	6 568 895	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
127	Hus, storleksklass 1	571 572	6 568 928	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
128	Hus, storleksklass 1	573 265	6 567 609	41,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
129	Hus, storleksklass 1	573 352	6 567 609	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
130	Gård	574 971	6 567 758	50,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
131	Hus, storleksklass 1	573 270	6 567 909	40,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
132	Hus, storleksklass 1	575 642	6 568 198	55,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
133	Gård	575 497	6 568 238	56,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
134	Hus, storleksklass 1	573 051	6 568 377	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
135	Hus, storleksklass 1	573 003	6 568 415	43,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
136	Hus, storleksklass 1	573 040	6 568 417	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
137	Hus, storleksklass 1	573 013	6 568 449	48,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
138	Hus, storleksklass 1	574 630	6 569 008	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
139	Hus, storleksklass 1	573 191	6 570 189	38,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
140	Hus, storleksklass 1	573 218	6 570 233	35,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
141	Hus, storleksklass 1	573 320	6 570 420	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
142	Hus, storleksklass 1	573 403	6 570 486	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
143	Hus, storleksklass 1	573 433	6 570 514	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
144	Hus, storleksklass 1	573 469	6 570 547	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
145	Hus, storleksklass 1	573 521	6 570 572	28,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
146	Hus, storleksklass 1	573 534	6 570 628	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
147	Hus, storleksklass 1	575 906	6 570 906	48,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
148	Hus, storleksklass 1	573 791	6 570 919	31,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
149	Hus, storleksklass 1	573 821	6 570 942	32,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
150	Hus, storleksklass 1	575 960	6 570 960	52,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
151	Hus, storleksklass 1	575 925	6 570 960	50,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0

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SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_FOREST_PSWEsuv017_locked_SG170

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No.	Name	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]		[m]
152	Hus, storleksklass 1	573 410	6 570 967	28,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
153	Hus, storleksklass 1	574 516	6 571 006	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
154	Hus, storleksklass 1	577 259	6 566 425	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
155	Hus, storleksklass 1	576 955	6 566 472	42,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
156	Hus, storleksklass 1	576 895	6 566 495	43,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
157	Hus, storleksklass 1	576 811	6 566 511	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
158	Hus, storleksklass 1	576 750	6 566 516	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
159	Hus, storleksklass 1	577 367	6 566 600	45,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
160	Hus, storleksklass 1	577 815	6 566 744	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
161	Hus, storleksklass 1	577 551	6 566 756	43,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
162	Hus, storleksklass 1	577 100	6 566 926	48,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
163	Hus, storleksklass 1	576 117	6 567 017	40,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
164	Hus, storleksklass 1	576 615	6 567 020	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
165	Hus, storleksklass 1	576 686	6 567 052	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
166	Hus, storleksklass 1	576 129	6 567 298	45,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
167	Hus, storleksklass 1	576 632	6 567 301	51,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
168	Hus, storleksklass 1	576 575	6 567 333	54,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
169	Hus, storleksklass 1	577 385	6 567 388	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
170	Hus, storleksklass 1	576 650	6 567 392	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
171	Gård	577 836	6 567 484	47,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
172	Hus, storleksklass 1	577 299	6 567 499	48,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
173	Gård	576 906	6 567 818	53,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
174	Hus, storleksklass 1	576 851	6 568 143	51,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
175	Hus, storleksklass 1	577 348	6 568 198	52,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
176	Gård	576 769	6 568 245	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
177	Hus, storleksklass 1	576 696	6 568 252	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
178	Hus, storleksklass 1	577 412	6 568 264	53,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
179	Hus, storleksklass 1	576 559	6 568 279	58,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
180	Hus, storleksklass 1	576 173	6 568 337	60,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
181	Hus, storleksklass 1	575 045	6 566 209	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
182	Hus, storleksklass 1	573 533	6 566 281	41,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
183	Hus, storleksklass 2	573 417	6 566 318	42,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
184	Hus, storleksklass 1	573 558	6 566 335	43,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
185	Hus, storleksklass 3	573 433	6 566 366	43,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
186	Gård	573 623	6 566 407	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
187	Hus, storleksklass 1	573 519	6 566 438	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
188	Hus, storleksklass 1	576 022	6 567 044	43,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
189	Hus, storleksklass 1	574 472	6 567 059	42,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
190	Hus, storleksklass 1	574 415	6 567 116	45,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
191	Hus, storleksklass 1	575 968	6 567 285	45,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
192	Hus, storleksklass 1	576 013	6 567 285	46,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
193	Hus, storleksklass 1	575 922	6 567 287	46,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
194	Hus, storleksklass 1	575 098	6 567 298	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
195	Hus, storleksklass 1	576 086	6 567 307	46,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
196	Hus, storleksklass 1	575 593	6 567 307	46,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
197	Hus, storleksklass 1	573 978	6 567 341	47,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
198	Hus, storleksklass 1	575 690	6 567 347	47,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
199	Gård	573 439	6 567 353	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
200	Hus, storleksklass 1	576 087	6 567 379	47,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
201	Hus, storleksklass 1	573 846	6 567 400	43,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
202	Hus, storleksklass 1	573 860	6 567 441	47,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
203	Hus, storleksklass 1	576 065	6 567 442	48,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
204	Hus, storleksklass 1	573 326	6 567 487	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
205	Hus, storleksklass 1	573 902	6 567 499	50,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
206	Hus, storleksklass 1	573 397	6 567 565	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
207	Hus, storleksklass 1	575 328	6 567 607	48,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
208	Hus, storleksklass 1	576 811	6 566 098	41,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
209	Hus, storleksklass 1	576 778	6 566 109	40,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
210	Hus, storleksklass 1	576 873	6 566 111	42,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
211	Hus, storleksklass 1	576 665	6 566 129	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
212	Hus, storleksklass 1	576 758	6 566 145	41,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
213	Hus, storleksklass 1	576 581	6 566 158	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
214	Hus, storleksklass 1	577 033	6 566 167	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
215	Klockstapel	576 956	6 566 168	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0

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SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_FOREST_PSWEsuv017_locked_SG170

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No.	Name	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]		[m]
216	Hus, storleksklass 1	576 920	6 566 189	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
217	Hus, storleksklass 2	576 844	6 566 210	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
218	Hus, storleksklass 2	576 742	6 566 217	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
219	Hus, storleksklass 1	576 565	6 566 224	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
220	Hus, storleksklass 1	576 962	6 566 231	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
221	Hus, storleksklass 1	576 891	6 566 231	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
222	Hus, storleksklass 1	576 741	6 566 256	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
223	Hus, storleksklass 1	576 580	6 566 263	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
224	Hus, storleksklass 1	576 787	6 566 264	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
225	Hus, storleksklass 3	576 677	6 566 271	42,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
226	Hus, storleksklass 1	576 876	6 566 273	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
227	Hus, storleksklass 1	576 775	6 566 294	43,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
228	Hus, storleksklass 1	576 853	6 566 297	43,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
229	Hus, storleksklass 1	576 823	6 566 309	43,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
230	Hus, storleksklass 3	576 642	6 566 336	40,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
231	Hus, storleksklass 1	576 726	6 566 341	42,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
232	Hus, storleksklass 1	577 285	6 566 380	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
233	Hus, storleksklass 1	576 731	6 566 387	40,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
234	Hus, storleksklass 1	577 295	6 566 415	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
235	Hus, storleksklass 1	571 080	6 567 109	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
236	Hus, storleksklass 1	571 140	6 566 198	60,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
237	Hus, storleksklass 1	571 171	6 566 164	58,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
238	Gård	571 206	6 566 225	59,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
239	Hus, storleksklass 1	571 267	6 566 789	51,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
240	Hus, storleksklass 1	571 278	6 567 873	60,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
241	Hus, storleksklass 1	571 357	6 568 117	57,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
242	Hus, storleksklass 1	571 402	6 566 291	54,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
243	Hus, storleksklass 1	571 404	6 568 139	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
244	Hus, storleksklass 1	571 480	6 566 828	50,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
245	Hus, storleksklass 1	571 564	6 565 770	51,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
246	Hus, storleksklass 1	571 636	6 566 751	50,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
247	Hus, storleksklass 3	571 749	6 566 169	50,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
248	Gård	571 792	6 566 098	49,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
249	Hus, storleksklass 1	571 859	6 567 775	61,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
250	Hus, storleksklass 1	571 893	6 568 433	50,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
251	Hus, storleksklass 1	571 897	6 566 387	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
252	Hus, storleksklass 1	571 958	6 567 704	61,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
253	Hus, storleksklass 1	572 011	6 566 348	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
254	Hus, storleksklass 1	572 039	6 567 747	63,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
255	Hus, storleksklass 1	572 099	6 567 766	64,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
256	Hus, storleksklass 1	572 123	6 567 729	62,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
257	Hus, storleksklass 1	572 124	6 567 430	50,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
258	Hus, storleksklass 1	572 232	6 567 413	50,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
259	Hus, storleksklass 1	572 235	6 567 452	51,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
260	Hus, storleksklass 1	572 238	6 567 212	47,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
261	Gård	572 268	6 566 897	49,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
262	Hus, storleksklass 1	572 299	6 567 233	46,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
263	Hus, storleksklass 1	572 325	6 566 653	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
264	Hus, storleksklass 1	572 331	6 568 360	52,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
265	Hus, storleksklass 1	572 357	6 568 379	51,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
266	Hus, storleksklass 1	572 371	6 566 358	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
267	Hus, storleksklass 1	572 397	6 566 378	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
268	Hus, storleksklass 1	572 403	6 566 168	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
269	Gård	572 446	6 567 343	49,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
270	Hus, storleksklass 1	572 448	6 566 102	44,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
271	Hus, storleksklass 1	572 457	6 566 223	43,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
272	Hus, storleksklass 1	572 475	6 566 163	43,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
273	Hus, storleksklass 1	572 987	6 568 276	39,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
274	Hus, storleksklass 1	574 191	6 565 932	44,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
275	Hus, storleksklass 1	574 227	6 565 827	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
276	Hus, storleksklass 1	574 259	6 565 884	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
277	Hus, storleksklass 1	575 497	6 566 009	43,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
278	Hus, storleksklass 1	575 802	6 566 041	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
279	Hus, storleksklass 1	575 847	6 565 887	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0

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SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_FOREST_PSWEsuv017_locked_SG170

...continued from previous page

No.	Name	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]		[m]
280	Hus, storleksklass 1	575 860	6 565 801	44,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
281	Hus, storleksklass 2	576 398	6 565 898	40,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
282	Hus, storleksklass 1	573 804	6 565 790	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
283	Hus, storleksklass 1	573 168	6 565 805	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
284	Hus, storleksklass 1	574 182	6 565 822	41,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
285	Gård	574 153	6 565 846	43,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
286	Hus, storleksklass 1	574 054	6 565 996	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0

Calculation Results

Shadow receptor

No.	Name	Shadow, worst case			Shadow, expected values
		Shadow hours per year [h/year]	Shadow days per year [days/year]	Max shadow hours per day [h/day]	Shadow hours per year [h/year]
1	Fotbollsplan	0:00	0	0:00	0:00
2	Campingplats	0:00	0	0:00	0:00
3	Badplats	0:00	0	0:00	0:00
4	Badplats	0:00	0	0:00	0:00
5	Dammybyggnad, mindre	13:59	45	0:23	4:46
6	Mast	0:00	0	0:00	0:00
7	Gästhamn	41:41	97	0:51	5:37
8	Kyrka	0:00	0	0:00	0:00
9	Hus, storleksklass 1	0:00	0	0:00	0:00
10	Hus, storleksklass 1	0:00	0	0:00	0:00
11	Hus, storleksklass 1	0:00	0	0:00	0:00
12	Gård	0:00	0	0:00	0:00
13	Hus, storleksklass 1	0:00	0	0:00	0:00
14	Hus, storleksklass 1	0:00	0	0:00	0:00
15	Hus, storleksklass 1	0:00	0	0:00	0:00
16	Hus, storleksklass 1	0:00	0	0:00	0:00
17	Hus, storleksklass 1	0:00	0	0:00	0:00
18	Hus, storleksklass 1	0:00	0	0:00	0:00
19	Gård	0:00	0	0:00	0:00
20	Hus, storleksklass 1	0:00	0	0:00	0:00
21	Hus, storleksklass 1	0:00	0	0:00	0:00
22	Gård	40:45	100	0:40	10:25
23	Hus, storleksklass 1	0:00	0	0:00	0:00
24	Hus, storleksklass 1	0:00	0	0:00	0:00
25	Hus, storleksklass 1	0:00	0	0:00	0:00
26	Hus, storleksklass 1	18:20	63	0:24	3:37
27	Hus, storleksklass 3	17:16	59	0:24	3:43
28	Gård	0:00	0	0:00	0:00
29	Gård	0:00	0	0:00	0:00
30	Hus, storleksklass 1	0:00	0	0:00	0:00
31	Hus, storleksklass 1	0:00	0	0:00	0:00
32	Hus, storleksklass 1	0:00	0	0:00	0:00
33	Hus, storleksklass 1	0:00	0	0:00	0:00
34	Hus, storleksklass 1	0:00	0	0:00	0:00
35	Hus, storleksklass 1	0:00	0	0:00	0:00
36	Hus, storleksklass 1	0:00	0	0:00	0:00
37	Hus, storleksklass 1	0:00	0	0:00	0:00
38	Hus, storleksklass 1	0:00	0	0:00	0:00
39	Hus, storleksklass 1	0:00	0	0:00	0:00
40	Gård	0:00	0	0:00	0:00
41	Hus, storleksklass 1	0:00	0	0:00	0:00
42	Hus, storleksklass 1	0:00	0	0:00	0:00
43	Hus, storleksklass 1	0:00	0	0:00	0:00
44	Hus, storleksklass 1	0:00	0	0:00	0:00
45	Hus, storleksklass 1	0:00	0	0:00	0:00
46	Hus, storleksklass 1	0:00	0	0:00	0:00
47	Hus, storleksklass 1	0:00	0	0:00	0:00
48	Hus, storleksklass 1	0:00	0	0:00	0:00
49	Gård	0:00	0	0:00	0:00

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SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_FOREST_PSWEsuv017_locked_SG170

...continued from previous page

No.	Name	Shadow, worst case			Shadow, expected values	
		Shadow hours per year [h/year]	Shadow days per year [days/year]	Max shadow hours per day [h/day]	Shadow hours per year [h/year]	
50	Hus, storleksklass 1	0:00	0	0:00	0:00	
51	Hus, storleksklass 1	0:00	0	0:00	0:00	
52	Hus, storleksklass 1	0:00	0	0:00	0:00	
53	Hus, storleksklass 1	0:00	0	0:00	0:00	
54	Hus, storleksklass 1	0:00	0	0:00	0:00	
55	Hus, storleksklass 1	0:00	0	0:00	0:00	
56	Gård	0:00	0	0:00	0:00	
57	Hus, storleksklass 1	0:00	0	0:00	0:00	
58	Hus, storleksklass 1	0:00	0	0:00	0:00	
59	Hus, storleksklass 1	0:00	0	0:00	0:00	
60	Hus, storleksklass 1	0:00	0	0:00	0:00	
61	Gård	0:00	0	0:00	0:00	
62	Hus, storleksklass 1	0:00	0	0:00	0:00	
63	Hus, storleksklass 1	0:00	0	0:00	0:00	
64	Hus, storleksklass 1	0:00	0	0:00	0:00	
65	Hus, storleksklass 1	0:00	0	0:00	0:00	
66	Hus, storleksklass 1	0:00	0	0:00	0:00	
67	Hus, storleksklass 2	0:00	0	0:00	0:00	
68	Hus, storleksklass 1	0:00	0	0:00	0:00	
69	Hus, storleksklass 1	0:00	0	0:00	0:00	
70	Hus, storleksklass 1	0:00	0	0:00	0:00	
71	Hus, storleksklass 1	0:00	0	0:00	0:00	
72	Herrgård	0:00	0	0:00	0:00	
73	Hus, storleksklass 1	0:00	0	0:00	0:00	
74	Hus, storleksklass 1	0:00	0	0:00	0:00	
75	Hus, storleksklass 1	0:00	0	0:00	0:00	
76	Hus, storleksklass 1	0:00	0	0:00	0:00	
77	Hus, storleksklass 1	0:00	0	0:00	0:00	
78	Hus, storleksklass 1	0:00	0	0:00	0:00	
79	Hus, storleksklass 1	0:00	0	0:00	0:00	
80	Hus, storleksklass 1	0:00	0	0:00	0:00	
81	Hus, storleksklass 1	0:00	0	0:00	0:00	
82	Hus, storleksklass 1	0:00	0	0:00	0:00	
83	Hus, storleksklass 1	27:40	61	0:36	3:31	
84	Hus, storleksklass 1	21:35	60	0:28	2:31	
85	Hus, storleksklass 1	99:13	100	1:28	12:30	
86	Hus, storleksklass 1	0:00	0	0:00	0:00	
87	Hus, storleksklass 1	0:00	0	0:00	0:00	
88	Hus, storleksklass 1	0:00	0	0:00	0:00	
89	Hus, storleksklass 1	0:00	0	0:00	0:00	
90	Hus, storleksklass 1	0:00	0	0:00	0:00	
91	Hus, storleksklass 1	0:00	0	0:00	0:00	
92	Hus, storleksklass 1	0:00	0	0:00	0:00	
93	Hus, storleksklass 1	0:00	0	0:00	0:00	
94	Hus, storleksklass 1	0:00	0	0:00	0:00	
95	Hus, storleksklass 1	0:00	0	0:00	0:00	
96	Hus, storleksklass 1	75:09	93	1:05	9:12	
97	Hus, storleksklass 1	73:58	91	1:03	9:02	
98	Hus, storleksklass 1	0:00	0	0:00	0:00	
99	Hus, storleksklass 1	0:00	0	0:00	0:00	
100	Hus, storleksklass 1	0:00	0	0:00	0:00	
101	Gård	0:00	0	0:00	0:00	
102	Hus, storleksklass 1	0:00	0	0:00	0:00	
103	Hus, storleksklass 1	0:00	0	0:00	0:00	
104	Hus, storleksklass 1	0:00	0	0:00	0:00	
105	Hus, storleksklass 1	0:00	0	0:00	0:00	
106	Hus, storleksklass 1	0:00	0	0:00	0:00	
107	Hus, storleksklass 1	0:00	0	0:00	0:00	
108	Hus, storleksklass 1	0:00	0	0:00	0:00	
109	Hus, storleksklass 1	0:00	0	0:00	0:00	
110	Hus, storleksklass 1	0:00	0	0:00	0:00	
111	Hus, storleksklass 1	0:00	0	0:00	0:00	
112	Hus, storleksklass 1	0:00	0	0:00	0:00	

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SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_FOREST_PSWEsuv017_locked_SG170

...continued from previous page

No.	Name	Shadow, worst case			Shadow, expected values	
		Shadow hours per year [h/year]	Shadow days per year [days/year]	Max shadow hours per day [h/day]	Shadow hours per year [h/year]	
113	Hus, storleksklass 1	11:37	39	0:23	3:44	
114	Hus, storleksklass 1	0:00	0	0:00	0:00	
115	Hus, storleksklass 1	0:00	0	0:00	0:00	
116	Hus, storleksklass 1	0:00	0	0:00	0:00	
117	Hus, storleksklass 1	0:00	0	0:00	0:00	
118	Hus, storleksklass 1	8:47	30	0:23	2:20	
119	Hus, storleksklass 1	0:00	0	0:00	0:00	
120	Hus, storleksklass 1	0:00	0	0:00	0:00	
121	Hus, storleksklass 1	0:00	0	0:00	0:00	
122	Hus, storleksklass 1	0:00	0	0:00	0:00	
123	Hus, storleksklass 1	0:00	0	0:00	0:00	
124	Hus, storleksklass 1	0:00	0	0:00	0:00	
125	Hus, storleksklass 1	0:00	0	0:00	0:00	
126	Hus, storleksklass 1	0:00	0	0:00	0:00	
127	Hus, storleksklass 1	0:00	0	0:00	0:00	
128	Hus, storleksklass 1	0:00	0	0:00	0:00	
129	Hus, storleksklass 1	0:00	0	0:00	0:00	
130	Gård	0:00	0	0:00	0:00	
131	Hus, storleksklass 1	0:00	0	0:00	0:00	
132	Hus, storleksklass 1	0:00	0	0:00	0:00	
133	Gård	0:00	0	0:00	0:00	
134	Hus, storleksklass 1	0:00	0	0:00	0:00	
135	Hus, storleksklass 1	18:39	45	0:32	5:48	
136	Hus, storleksklass 1	0:00	0	0:00	0:00	
137	Hus, storleksklass 1	0:00	0	0:00	0:00	
138	Hus, storleksklass 1	172:08	189	1:24	49:29	
139	Hus, storleksklass 1	0:00	0	0:00	0:00	
140	Hus, storleksklass 1	0:00	0	0:00	0:00	
141	Hus, storleksklass 1	0:00	0	0:00	0:00	
142	Hus, storleksklass 1	0:00	0	0:00	0:00	
143	Hus, storleksklass 1	0:00	0	0:00	0:00	
144	Hus, storleksklass 1	0:00	0	0:00	0:00	
145	Hus, storleksklass 1	0:00	0	0:00	0:00	
146	Hus, storleksklass 1	0:00	0	0:00	0:00	
147	Hus, storleksklass 1	0:00	0	0:00	0:00	
148	Hus, storleksklass 1	0:00	0	0:00	0:00	
149	Hus, storleksklass 1	0:00	0	0:00	0:00	
150	Hus, storleksklass 1	0:00	0	0:00	0:00	
151	Hus, storleksklass 1	0:00	0	0:00	0:00	
152	Hus, storleksklass 1	0:00	0	0:00	0:00	
153	Hus, storleksklass 1	84:14	106	1:09	10:46	
154	Hus, storleksklass 1	0:00	0	0:00	0:00	
155	Hus, storleksklass 1	0:00	0	0:00	0:00	
156	Hus, storleksklass 1	0:00	0	0:00	0:00	
157	Hus, storleksklass 1	0:00	0	0:00	0:00	
158	Hus, storleksklass 1	0:00	0	0:00	0:00	
159	Hus, storleksklass 1	0:00	0	0:00	0:00	
160	Hus, storleksklass 1	0:00	0	0:00	0:00	
161	Hus, storleksklass 1	0:00	0	0:00	0:00	
162	Hus, storleksklass 1	0:00	0	0:00	0:00	
163	Hus, storleksklass 1	0:00	0	0:00	0:00	
164	Hus, storleksklass 1	0:00	0	0:00	0:00	
165	Hus, storleksklass 1	0:00	0	0:00	0:00	
166	Hus, storleksklass 1	0:00	0	0:00	0:00	
167	Hus, storleksklass 1	0:00	0	0:00	0:00	
168	Hus, storleksklass 1	0:00	0	0:00	0:00	
169	Hus, storleksklass 1	0:00	0	0:00	0:00	
170	Hus, storleksklass 1	0:00	0	0:00	0:00	
171	Gård	0:00	0	0:00	0:00	
172	Hus, storleksklass 1	0:00	0	0:00	0:00	
173	Gård	0:00	0	0:00	0:00	
174	Hus, storleksklass 1	0:00	0	0:00	0:00	
175	Hus, storleksklass 1	0:00	0	0:00	0:00	

To be continued on next page...

SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_FOREST_PSWEsuv017_locked_SG170

...continued from previous page

No.	Name	Shadow, worst case			Shadow, expected values	
		Shadow hours per year [h/year]	Shadow days per year [days/year]	Max shadow hours per day [h/day]	Shadow hours per year [h/year]	
176	Gård	0:00	0	0:00	0:00	
177	Hus, storleksklass 1	0:00	0	0:00	0:00	
178	Hus, storleksklass 1	0:00	0	0:00	0:00	
179	Hus, storleksklass 1	0:00	0	0:00	0:00	
180	Hus, storleksklass 1	0:00	0	0:00	0:00	
181	Hus, storleksklass 1	0:00	0	0:00	0:00	
182	Hus, storleksklass 1	0:00	0	0:00	0:00	
183	Hus, storleksklass 2	0:00	0	0:00	0:00	
184	Hus, storleksklass 1	0:00	0	0:00	0:00	
185	Hus, storleksklass 3	0:00	0	0:00	0:00	
186	Gård	0:00	0	0:00	0:00	
187	Hus, storleksklass 1	0:00	0	0:00	0:00	
188	Hus, storleksklass 1	0:00	0	0:00	0:00	
189	Hus, storleksklass 1	0:00	0	0:00	0:00	
190	Hus, storleksklass 1	0:00	0	0:00	0:00	
191	Hus, storleksklass 1	0:00	0	0:00	0:00	
192	Hus, storleksklass 1	0:00	0	0:00	0:00	
193	Hus, storleksklass 1	0:00	0	0:00	0:00	
194	Hus, storleksklass 1	0:00	0	0:00	0:00	
195	Hus, storleksklass 1	0:00	0	0:00	0:00	
196	Hus, storleksklass 1	0:00	0	0:00	0:00	
197	Hus, storleksklass 1	0:00	0	0:00	0:00	
198	Hus, storleksklass 1	0:00	0	0:00	0:00	
199	Gård	0:00	0	0:00	0:00	
200	Hus, storleksklass 1	0:00	0	0:00	0:00	
201	Hus, storleksklass 1	0:00	0	0:00	0:00	
202	Hus, storleksklass 1	0:00	0	0:00	0:00	
203	Hus, storleksklass 1	0:00	0	0:00	0:00	
204	Hus, storleksklass 1	0:00	0	0:00	0:00	
205	Hus, storleksklass 1	0:00	0	0:00	0:00	
206	Hus, storleksklass 1	0:00	0	0:00	0:00	
207	Hus, storleksklass 1	0:00	0	0:00	0:00	
208	Hus, storleksklass 1	0:00	0	0:00	0:00	
209	Hus, storleksklass 1	0:00	0	0:00	0:00	
210	Hus, storleksklass 1	0:00	0	0:00	0:00	
211	Hus, storleksklass 1	0:00	0	0:00	0:00	
212	Hus, storleksklass 1	0:00	0	0:00	0:00	
213	Hus, storleksklass 1	0:00	0	0:00	0:00	
214	Hus, storleksklass 1	0:00	0	0:00	0:00	
215	Klockstapel	0:00	0	0:00	0:00	
216	Hus, storleksklass 1	0:00	0	0:00	0:00	
217	Hus, storleksklass 2	0:00	0	0:00	0:00	
218	Hus, storleksklass 2	0:00	0	0:00	0:00	
219	Hus, storleksklass 1	0:00	0	0:00	0:00	
220	Hus, storleksklass 1	0:00	0	0:00	0:00	
221	Hus, storleksklass 1	0:00	0	0:00	0:00	
222	Hus, storleksklass 1	0:00	0	0:00	0:00	
223	Hus, storleksklass 1	0:00	0	0:00	0:00	
224	Hus, storleksklass 1	0:00	0	0:00	0:00	
225	Hus, storleksklass 3	0:00	0	0:00	0:00	
226	Hus, storleksklass 1	0:00	0	0:00	0:00	
227	Hus, storleksklass 1	0:00	0	0:00	0:00	
228	Hus, storleksklass 1	0:00	0	0:00	0:00	
229	Hus, storleksklass 1	0:00	0	0:00	0:00	
230	Hus, storleksklass 3	0:00	0	0:00	0:00	
231	Hus, storleksklass 1	0:00	0	0:00	0:00	
232	Hus, storleksklass 1	0:00	0	0:00	0:00	
233	Hus, storleksklass 1	0:00	0	0:00	0:00	
234	Hus, storleksklass 1	0:00	0	0:00	0:00	
235	Hus, storleksklass 1	0:00	0	0:00	0:00	
236	Hus, storleksklass 1	0:00	0	0:00	0:00	
237	Hus, storleksklass 1	0:00	0	0:00	0:00	
238	Gård	0:00	0	0:00	0:00	

To be continued on next page...

SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_FOREST_PSWEsuv017_locked_SG170

...continued from previous page

No.	Name	Shadow, worst case			Shadow, expected values	
		Shadow hours per year [h/year]	Shadow days per year [days/year]	Max shadow hours per day [h/day]	Shadow hours per year [h/year]	Shadow hours per year [h/year]
239	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
240	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
241	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
242	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
243	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
244	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
245	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
246	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
247	Hus, storleksklass 3	0:00	0	0:00	0:00	0:00
248	Gård	0:00	0	0:00	0:00	0:00
249	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
250	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
251	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
252	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
253	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
254	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
255	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
256	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
257	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
258	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
259	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
260	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
261	Gård	0:00	0	0:00	0:00	0:00
262	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
263	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
264	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
265	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
266	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
267	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
268	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
269	Gård	0:00	0	0:00	0:00	0:00
270	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
271	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
272	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
273	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
274	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
275	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
276	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
277	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
278	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
279	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
280	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
281	Hus, storleksklass 2	0:00	0	0:00	0:00	0:00
282	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
283	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
284	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
285	Gård	0:00	0	0:00	0:00	0:00
286	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00

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

No.	Name	Worst case [h/year]	Expected [h/year]
1	Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 205,0 m (TOT: 290,0 m) (32)	87:57	22:52
2	Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 205,0 m (TOT: 290,0 m) (33)	119:03	17:30
3	Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 205,0 m (TOT: 290,0 m) (34)	67:21	11:17
4	Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 205,0 m (TOT: 290,0 m) (35)	89:26	23:04
5	Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 205,0 m (TOT: 290,0 m) (36)	77:32	22:02
6	Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 205,0 m (TOT: 290,0 m) (37)	96:28	16:13

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.

SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_PSWEsuv018_locked_SG170

Assumptions for shadow calculations

Maximum distance for influence
Calculate only when more than 20 % of 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) []
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,44 2,57 5,10 7,68 8,91 9,21 8,94 6,93 5,45 3,02 1,56 1,16

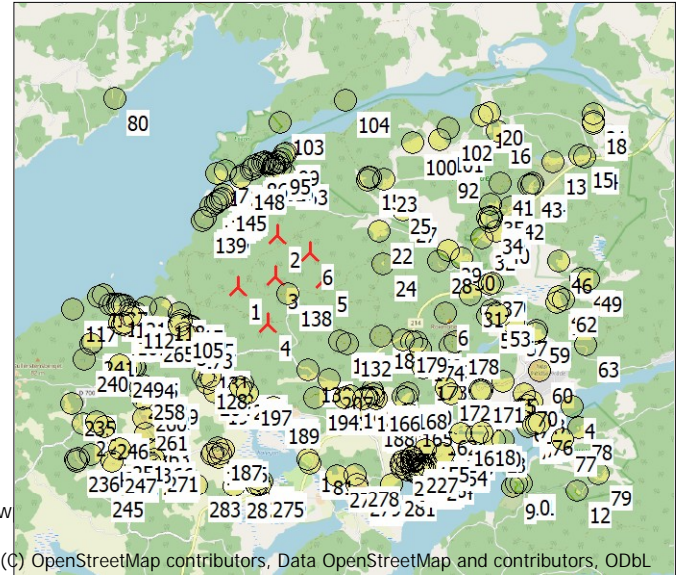
Operational time
N NNE ENE E ESE SSE S SSW WSW W WNW NNW Sum
566 660 592 457 432 570 671 889 1 213 1 421 547 544 8 562

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: Height Contours: CONTOURLINE_ONLINEDATA_0(1).w
Receptor grid resolution: 1,0 m

All coordinates are in
Swedish UTM 33-SWREF99 (SE)

WTGs

	Easting	Northing	Z	Row data/Description	WTG type		Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Shadow data	
					Valid	Manufact.					Calculation distance [m]	RPM [RPM]
1	573 789	6 569 109	60,0	Siemens Gamesa SG 6.0-1...	Yes	Siemens Gamesa	SG 6.0-170-6 200	6 200	170,0	205,0	2 034	8,8
2	574 431	6 569 979	65,0	Siemens Gamesa SG 6.0-1...	Yes	Siemens Gamesa	SG 6.0-170-6 200	6 200	170,0	205,0	2 034	8,8
3	574 420	6 569 298	62,5	Siemens Gamesa SG 6.0-1...	Yes	Siemens Gamesa	SG 6.0-170-6 200	6 200	170,0	205,0	2 034	8,8
4	574 299	6 568 508	60,0	Siemens Gamesa SG 6.0-1...	Yes	Siemens Gamesa	SG 6.0-170-6 200	6 200	170,0	205,0	2 034	8,8
5	575 218	6 569 245	60,0	Siemens Gamesa SG 6.0-1...	Yes	Siemens Gamesa	SG 6.0-170-6 200	6 200	170,0	205,0	2 034	8,8
6	574 983	6 569 695	65,0	Siemens Gamesa SG 6.0-1...	Yes	Siemens Gamesa	SG 6.0-170-6 200	6 200	170,0	205,0	2 034	8,8



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

Scale 1:125 000

▲ New WTG

● Shadow receptor

Shadow receptor-Input

No.	Name	Easting	Northing	Z	Width	Height	Elevation	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	a.g.l. [m]	[°]		[m]
1	Fotbollsplan	575 005	6 566 282	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
2	Campingplats	578 089	6 566 644	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
3	Badplats	578 245	6 566 658	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
4	Badplats	579 375	6 567 239	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
5	Dammbyggnad, mindre	572 920	6 568 316	35,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
6	Mast	577 256	6 568 740	73,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
7	Gästhamn	573 546	6 571 018	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
8	Kyrka	576 966	6 566 097	41,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
9	Hus, storleksklass 1	578 431	6 565 866	43,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
10	Hus, storleksklass 1	578 479	6 565 944	42,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
11	Hus, storleksklass 1	578 566	6 565 945	46,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
12	Gård	579 493	6 565 837	55,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
13	Hus, storleksklass 1	578 972	6 571 279	35,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
14	Hus, storleksklass 1	579 507	6 571 373	32,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
15	Hus, storleksklass 1	579 427	6 571 380	32,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
16	Hus, storleksklass 1	578 058	6 571 766	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
17	Hus, storleksklass 1	579 628	6 571 921	30,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
18	Hus, storleksklass 1	579 636	6 571 962	30,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
19	Gård	577 785	6 572 018	26,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
20	Hus, storleksklass 1	577 909	6 572 056	38,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
21	Hus, storleksklass 1	579 623	6 572 068	32,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
22	Gård	576 123	6 570 075	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
23	Hus, storleksklass 1	576 187	6 570 924	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
24	Hus, storleksklass 1	576 195	6 569 519	46,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
25	Hus, storleksklass 1	576 405	6 570 555	48,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0

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SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_PSWEsuv018_locked_SG170

...continued from previous page

No.	Name	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]		[m]
26	Hus, storleksklass 1	576 435	6 570 532	47,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
27	Hus, storleksklass 3	576 512	6 570 431	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
28	Gård	577 118	6 569 608	48,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
29	Gård	577 269	6 569 778	41,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
30	Hus, storleksklass 1	577 510	6 569 646	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
31	Hus, storleksklass 1	577 647	6 569 054	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
32	Hus, storleksklass 1	577 840	6 569 983	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
33	Hus, storleksklass 1	577 930	6 570 326	46,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
34	Hus, storleksklass 1	577 947	6 570 254	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
35	Hus, storleksklass 1	577 964	6 570 557	57,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
36	Hus, storleksklass 1	577 967	6 570 344	47,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
37	Hus, storleksklass 1	577 969	6 569 235	56,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
38	Hus, storleksklass 1	577 976	6 570 312	46,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
39	Hus, storleksklass 1	578 015	6 569 239	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
40	Gård	578 057	6 570 101	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
41	Hus, storleksklass 1	578 115	6 570 904	37,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
42	Hus, storleksklass 1	578 292	6 570 495	50,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
43	Hus, storleksklass 1	578 594	6 570 879	49,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
44	Hus, storleksklass 1	578 629	6 570 874	48,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
45	Hus, storleksklass 1	578 655	6 570 925	47,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
46	Hus, storleksklass 1	579 115	6 569 632	48,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
47	Hus, storleksklass 1	579 132	6 569 051	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
48	Hus, storleksklass 1	579 488	6 569 356	46,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
49	Gård	579 611	6 569 344	47,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
50	Hus, storleksklass 1	577 966	6 568 706	56,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
51	Hus, storleksklass 1	578 022	6 568 791	61,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
52	Hus, storleksklass 1	578 073	6 568 756	58,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
53	Hus, storleksklass 1	578 116	6 568 738	58,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
54	Hus, storleksklass 1	578 161	6 568 712	59,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
55	Hus, storleksklass 1	578 227	6 567 623	51,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
56	Gård	578 274	6 568 695	59,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
57	Hus, storleksklass 1	578 387	6 568 594	55,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
58	Hus, storleksklass 1	578 740	6 568 448	50,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
59	Hus, storleksklass 1	578 761	6 568 480	50,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
60	Hus, storleksklass 1	578 834	6 567 822	58,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
61	Gård	579 085	6 568 948	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
62	Hus, storleksklass 1	579 208	6 569 001	49,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
63	Hus, storleksklass 1	579 593	6 568 269	59,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
64	Hus, storleksklass 1	575 961	6 567 325	47,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
65	Hus, storleksklass 1	576 754	6 566 354	41,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
66	Hus, storleksklass 1	577 859	6 567 452	46,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
67	Hus, storleksklass 2	577 888	6 567 487	48,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
68	Hus, storleksklass 1	577 904	6 566 778	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
69	Hus, storleksklass 1	578 533	6 567 171	40,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
70	Hus, storleksklass 1	578 584	6 567 412	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
71	Hus, storleksklass 1	578 626	6 567 242	42,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
72	Herrgård	578 669	6 566 897	42,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
73	Hus, storleksklass 1	578 711	6 567 312	42,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
74	Hus, storleksklass 1	578 758	6 566 914	44,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
75	Hus, storleksklass 1	578 805	6 566 943	42,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
76	Hus, storleksklass 1	578 861	6 566 967	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
77	Hus, storleksklass 1	579 225	6 566 694	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
78	Hus, storleksklass 1	579 497	6 566 883	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
79	Hus, storleksklass 1	579 841	6 566 144	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
80	Hus, storleksklass 1	571 692	6 572 170	25,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
81	Hus, storleksklass 1	573 976	6 571 043	26,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
82	Hus, storleksklass 1	574 326	6 571 062	37,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
83	Hus, storleksklass 1	574 005	6 571 069	27,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
84	Hus, storleksklass 1	574 371	6 571 074	35,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
85	Hus, storleksklass 1	574 458	6 571 089	35,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
86	Hus, storleksklass 1	574 029	6 571 097	27,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
87	Hus, storleksklass 1	574 337	6 571 128	30,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
88	Hus, storleksklass 1	574 110	6 571 136	27,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
89	Hus, storleksklass 1	574 287	6 571 142	29,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0

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SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_PSWEsuv018_locked_SG170

...continued from previous page

No.	Name	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]		[m]
90	Hus, storleksklass 1	574 372	6 571 143	29,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
91	Hus, storleksklass 1	574 159	6 571 168	27,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
92	Hus, storleksklass 1	577 195	6 571 174	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
93	Hus, storleksklass 1	574 246	6 571 175	27,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
94	Hus, storleksklass 1	574 199	6 571 186	27,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
95	Hus, storleksklass 1	574 397	6 571 188	26,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
96	Hus, storleksklass 1	574 445	6 571 189	28,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
97	Hus, storleksklass 1	574 478	6 571 219	28,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
98	Hus, storleksklass 1	574 510	6 571 298	25,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
99	Hus, storleksklass 1	574 560	6 571 334	27,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
100	Hus, storleksklass 1	576 638	6 571 549	40,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
101	Gård	577 087	6 571 596	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
102	Hus, storleksklass 1	577 236	6 571 793	47,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
103	Hus, storleksklass 1	574 452	6 571 828	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
104	Hus, storleksklass 1	575 512	6 572 231	28,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
105	Hus, storleksklass 1	572 835	6 568 437	41,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
106	Hus, storleksklass 1	572 821	6 568 479	34,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
107	Hus, storleksklass 1	571 937	6 568 486	45,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
108	Hus, storleksklass 1	571 849	6 568 488	48,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
109	Hus, storleksklass 1	571 944	6 568 518	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
110	Hus, storleksklass 1	572 859	6 568 526	29,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
111	Hus, storleksklass 1	572 083	6 568 554	38,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
112	Hus, storleksklass 1	572 022	6 568 574	35,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
113	Hus, storleksklass 1	572 027	6 568 638	28,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
114	Hus, storleksklass 1	572 112	6 568 639	30,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
115	Hus, storleksklass 1	572 830	6 568 648	28,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
116	Hus, storleksklass 1	572 002	6 568 670	31,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
117	Hus, storleksklass 1	571 062	6 568 680	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
118	Hus, storleksklass 1	572 531	6 568 725	30,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
119	Hus, storleksklass 1	572 279	6 568 738	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
120	Hus, storleksklass 1	571 916	6 568 755	33,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
121	Hus, storleksklass 1	571 874	6 568 762	33,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
122	Hus, storleksklass 1	571 835	6 568 766	33,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
123	Hus, storleksklass 1	571 748	6 568 772	35,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
124	Hus, storleksklass 1	571 796	6 568 773	32,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
125	Hus, storleksklass 1	571 697	6 568 778	34,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
126	Hus, storleksklass 1	571 494	6 568 895	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
127	Hus, storleksklass 1	571 572	6 568 928	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
128	Hus, storleksklass 1	573 265	6 567 609	41,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
129	Hus, storleksklass 1	573 352	6 567 609	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
130	Gård	574 971	6 567 758	50,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
131	Hus, storleksklass 1	573 270	6 567 909	40,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
132	Hus, storleksklass 1	575 642	6 568 198	55,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
133	Gård	575 497	6 568 238	56,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
134	Hus, storleksklass 1	573 051	6 568 377	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
135	Hus, storleksklass 1	573 003	6 568 415	43,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
136	Hus, storleksklass 1	573 040	6 568 417	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
137	Hus, storleksklass 1	573 013	6 568 449	48,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
138	Hus, storleksklass 1	574 630	6 569 008	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
139	Hus, storleksklass 1	573 191	6 570 189	38,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
140	Hus, storleksklass 1	573 218	6 570 233	35,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
141	Hus, storleksklass 1	573 320	6 570 420	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
142	Hus, storleksklass 1	573 403	6 570 486	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
143	Hus, storleksklass 1	573 433	6 570 514	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
144	Hus, storleksklass 1	573 469	6 570 547	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
145	Hus, storleksklass 1	573 521	6 570 572	28,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
146	Hus, storleksklass 1	573 534	6 570 628	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
147	Hus, storleksklass 1	575 906	6 570 906	48,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
148	Hus, storleksklass 1	573 791	6 570 919	31,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
149	Hus, storleksklass 1	573 821	6 570 942	32,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
150	Hus, storleksklass 1	575 960	6 570 960	52,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
151	Hus, storleksklass 1	575 925	6 570 960	50,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
152	Hus, storleksklass 1	573 410	6 570 967	28,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
153	Hus, storleksklass 1	574 516	6 571 006	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0

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SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_PSWEsuv018_locked_SG170

...continued from previous page

No.	Name	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]		[m]
154	Hus, storleksklass 1	577 259	6 566 425	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
155	Hus, storleksklass 1	576 955	6 566 472	42,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
156	Hus, storleksklass 1	576 895	6 566 495	43,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
157	Hus, storleksklass 1	576 811	6 566 511	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
158	Hus, storleksklass 1	576 750	6 566 516	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
159	Hus, storleksklass 1	577 367	6 566 600	45,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
160	Hus, storleksklass 1	577 815	6 566 744	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
161	Hus, storleksklass 1	577 551	6 566 756	43,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
162	Hus, storleksklass 1	577 100	6 566 926	48,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
163	Hus, storleksklass 1	576 117	6 567 017	40,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
164	Hus, storleksklass 1	576 615	6 567 020	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
165	Hus, storleksklass 1	576 686	6 567 052	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
166	Hus, storleksklass 1	576 129	6 567 298	45,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
167	Hus, storleksklass 1	576 632	6 567 301	51,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
168	Hus, storleksklass 1	576 575	6 567 333	54,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
169	Hus, storleksklass 1	577 385	6 567 388	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
170	Hus, storleksklass 1	576 650	6 567 392	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
171	Gård	577 836	6 567 484	47,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
172	Hus, storleksklass 1	577 299	6 567 499	48,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
173	Gård	576 906	6 567 818	53,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
174	Hus, storleksklass 1	576 851	6 568 143	51,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
175	Hus, storleksklass 1	577 348	6 568 198	52,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
176	Gård	576 769	6 568 245	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
177	Hus, storleksklass 1	576 696	6 568 252	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
178	Hus, storleksklass 1	577 412	6 568 264	53,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
179	Hus, storleksklass 1	576 559	6 568 279	58,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
180	Hus, storleksklass 1	576 173	6 568 337	60,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
181	Hus, storleksklass 1	575 045	6 566 209	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
182	Hus, storleksklass 1	573 533	6 566 281	41,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
183	Hus, storleksklass 2	573 417	6 566 318	42,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
184	Hus, storleksklass 1	573 558	6 566 335	43,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
185	Hus, storleksklass 3	573 433	6 566 366	43,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
186	Gård	573 623	6 566 407	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
187	Hus, storleksklass 1	573 519	6 566 438	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
188	Hus, storleksklass 1	576 022	6 567 044	43,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
189	Hus, storleksklass 1	574 472	6 567 059	42,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
190	Hus, storleksklass 1	574 415	6 567 116	45,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
191	Hus, storleksklass 1	575 968	6 567 285	45,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
192	Hus, storleksklass 1	576 013	6 567 285	46,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
193	Hus, storleksklass 1	575 922	6 567 287	46,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
194	Hus, storleksklass 1	575 098	6 567 298	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
195	Hus, storleksklass 1	576 086	6 567 307	46,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
196	Hus, storleksklass 1	575 593	6 567 307	46,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
197	Hus, storleksklass 1	573 978	6 567 341	47,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
198	Hus, storleksklass 1	575 690	6 567 347	47,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
199	Gård	573 439	6 567 353	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
200	Hus, storleksklass 1	576 087	6 567 379	47,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
201	Hus, storleksklass 1	573 846	6 567 400	43,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
202	Hus, storleksklass 1	573 860	6 567 441	47,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
203	Hus, storleksklass 1	576 065	6 567 442	48,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
204	Hus, storleksklass 1	573 326	6 567 487	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
205	Hus, storleksklass 1	573 902	6 567 499	50,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
206	Hus, storleksklass 1	573 397	6 567 565	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
207	Hus, storleksklass 1	575 328	6 567 607	48,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
208	Hus, storleksklass 1	576 811	6 566 098	41,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
209	Hus, storleksklass 1	576 778	6 566 109	40,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
210	Hus, storleksklass 1	576 873	6 566 111	42,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
211	Hus, storleksklass 1	576 665	6 566 129	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
212	Hus, storleksklass 1	576 758	6 566 145	41,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
213	Hus, storleksklass 1	576 581	6 566 158	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
214	Hus, storleksklass 1	577 033	6 566 167	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
215	Klockstapel	576 956	6 566 168	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
216	Hus, storleksklass 1	576 920	6 566 189	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
217	Hus, storleksklass 2	576 844	6 566 210	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0

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SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_PSWEsuv018_locked_SG170

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No.	Name	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]		[m]
218	Hus, storleksklass 2	576 742	6 566 217	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
219	Hus, storleksklass 1	576 565	6 566 224	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
220	Hus, storleksklass 1	576 962	6 566 231	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
221	Hus, storleksklass 1	576 891	6 566 231	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
222	Hus, storleksklass 1	576 741	6 566 256	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
223	Hus, storleksklass 1	576 580	6 566 263	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
224	Hus, storleksklass 1	576 787	6 566 264	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
225	Hus, storleksklass 3	576 677	6 566 271	42,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
226	Hus, storleksklass 1	576 876	6 566 273	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
227	Hus, storleksklass 1	576 775	6 566 294	43,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
228	Hus, storleksklass 1	576 853	6 566 297	43,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
229	Hus, storleksklass 1	576 823	6 566 309	43,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
230	Hus, storleksklass 3	576 642	6 566 336	40,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
231	Hus, storleksklass 1	576 726	6 566 341	42,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
232	Hus, storleksklass 1	577 285	6 566 380	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
233	Hus, storleksklass 1	576 731	6 566 387	40,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
234	Hus, storleksklass 1	577 295	6 566 415	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
235	Hus, storleksklass 1	571 080	6 567 109	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
236	Hus, storleksklass 1	571 140	6 566 198	60,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
237	Hus, storleksklass 1	571 171	6 566 164	58,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
238	Gård	571 206	6 566 225	59,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
239	Hus, storleksklass 1	571 267	6 566 789	51,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
240	Hus, storleksklass 1	571 278	6 567 873	60,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
241	Hus, storleksklass 1	571 357	6 568 117	57,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
242	Hus, storleksklass 1	571 402	6 566 291	54,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
243	Hus, storleksklass 1	571 404	6 568 139	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
244	Hus, storleksklass 1	571 480	6 566 828	50,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
245	Hus, storleksklass 1	571 564	6 565 770	51,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
246	Hus, storleksklass 1	571 636	6 566 751	50,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
247	Hus, storleksklass 3	571 749	6 566 169	50,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
248	Gård	571 792	6 566 098	49,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
249	Hus, storleksklass 1	571 859	6 567 775	61,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
250	Hus, storleksklass 1	571 893	6 568 433	50,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
251	Hus, storleksklass 1	571 897	6 566 387	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
252	Hus, storleksklass 1	571 958	6 567 704	61,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
253	Hus, storleksklass 1	572 011	6 566 348	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
254	Hus, storleksklass 1	572 039	6 567 747	63,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
255	Hus, storleksklass 1	572 099	6 567 766	64,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
256	Hus, storleksklass 1	572 123	6 567 729	62,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
257	Hus, storleksklass 1	572 124	6 567 430	50,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
258	Hus, storleksklass 1	572 232	6 567 413	50,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
259	Hus, storleksklass 1	572 235	6 567 452	51,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
260	Hus, storleksklass 1	572 238	6 567 212	47,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
261	Gård	572 268	6 566 897	49,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
262	Hus, storleksklass 1	572 299	6 567 233	46,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
263	Hus, storleksklass 1	572 325	6 566 653	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
264	Hus, storleksklass 1	572 331	6 568 360	52,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
265	Hus, storleksklass 1	572 357	6 568 379	51,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
266	Hus, storleksklass 1	572 371	6 566 358	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
267	Hus, storleksklass 1	572 397	6 566 378	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
268	Hus, storleksklass 1	572 403	6 566 168	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
269	Gård	572 446	6 567 343	49,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
270	Hus, storleksklass 1	572 448	6 566 102	44,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
271	Hus, storleksklass 1	572 457	6 566 223	43,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
272	Hus, storleksklass 1	572 475	6 566 163	43,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
273	Hus, storleksklass 1	572 987	6 568 276	39,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
274	Hus, storleksklass 1	574 191	6 565 932	44,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
275	Hus, storleksklass 1	574 227	6 565 827	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
276	Hus, storleksklass 1	574 259	6 565 884	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
277	Hus, storleksklass 1	575 497	6 566 009	43,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
278	Hus, storleksklass 1	575 802	6 566 041	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
279	Hus, storleksklass 1	575 847	6 565 887	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
280	Hus, storleksklass 1	575 860	6 565 801	44,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
281	Hus, storleksklass 2	576 398	6 565 898	40,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0

To be continued on next page...

SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_PSWEsuv018_locked_SG170

...continued from previous page

No.	Name	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]		[m]
282	Hus, storleksklass 1	573 804	6 565 790	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
283	Hus, storleksklass 1	573 168	6 565 805	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
284	Hus, storleksklass 1	574 182	6 565 822	41,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
285	Gård	574 153	6 565 846	43,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
286	Hus, storleksklass 1	574 054	6 565 996	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0

Calculation Results

Shadow receptor

No.	Name	Shadow, expected values Shadow hours per year [h/year]
1	Fotbollsplan	0:00
2	Campingplats	0:00
3	Badplats	0:00
4	Badplats	0:00
5	Dammybyggnad, mindre	13:08
6	Mast	0:00
7	Gästhamn	7:26
8	Kyrka	0:00
9	Hus, storleksklass 1	0:00
10	Hus, storleksklass 1	0:00
11	Hus, storleksklass 1	0:00
12	Gård	0:00
13	Hus, storleksklass 1	0:00
14	Hus, storleksklass 1	0:00
15	Hus, storleksklass 1	0:00
16	Hus, storleksklass 1	0:00
17	Hus, storleksklass 1	0:00
18	Hus, storleksklass 1	0:00
19	Gård	0:00
20	Hus, storleksklass 1	0:00
21	Hus, storleksklass 1	0:00
22	Gård	13:16
23	Hus, storleksklass 1	5:23
24	Hus, storleksklass 1	18:36
25	Hus, storleksklass 1	3:58
26	Hus, storleksklass 1	3:58
27	Hus, storleksklass 3	4:05
28	Gård	1:55
29	Gård	0:00
30	Hus, storleksklass 1	0:00
31	Hus, storleksklass 1	0:00
32	Hus, storleksklass 1	0:00
33	Hus, storleksklass 1	0:00
34	Hus, storleksklass 1	0:00
35	Hus, storleksklass 1	0:00
36	Hus, storleksklass 1	0:00
37	Hus, storleksklass 1	0:00
38	Hus, storleksklass 1	0:00
39	Hus, storleksklass 1	0:00
40	Gård	0:00
41	Hus, storleksklass 1	0:00
42	Hus, storleksklass 1	0:00
43	Hus, storleksklass 1	0:00
44	Hus, storleksklass 1	0:00
45	Hus, storleksklass 1	0:00
46	Hus, storleksklass 1	0:00
47	Hus, storleksklass 1	0:00
48	Hus, storleksklass 1	0:00
49	Gård	0:00
50	Hus, storleksklass 1	0:00
51	Hus, storleksklass 1	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_PSWEsuv018_locked_SG170

...continued from previous page

No.	Name	Shadow, expected values
		Shadow hours per year [h/year]
52	Hus, storleksklass 1	0:00
53	Hus, storleksklass 1	0:00
54	Hus, storleksklass 1	0:00
55	Hus, storleksklass 1	0:00
56	Gård	0:00
57	Hus, storleksklass 1	0:00
58	Hus, storleksklass 1	0:00
59	Hus, storleksklass 1	0:00
60	Hus, storleksklass 1	0:00
61	Gård	0:00
62	Hus, storleksklass 1	0:00
63	Hus, storleksklass 1	0:00
64	Hus, storleksklass 1	0:00
65	Hus, storleksklass 1	0:00
66	Hus, storleksklass 1	0:00
67	Hus, storleksklass 2	0:00
68	Hus, storleksklass 1	0:00
69	Hus, storleksklass 1	0:00
70	Hus, storleksklass 1	0:00
71	Hus, storleksklass 1	0:00
72	Herrgård	0:00
73	Hus, storleksklass 1	0:00
74	Hus, storleksklass 1	0:00
75	Hus, storleksklass 1	0:00
76	Hus, storleksklass 1	0:00
77	Hus, storleksklass 1	0:00
78	Hus, storleksklass 1	0:00
79	Hus, storleksklass 1	0:00
80	Hus, storleksklass 1	0:00
81	Hus, storleksklass 1	7:12
82	Hus, storleksklass 1	12:08
83	Hus, storleksklass 1	9:27
84	Hus, storleksklass 1	9:58
85	Hus, storleksklass 1	10:15
86	Hus, storleksklass 1	9:17
87	Hus, storleksklass 1	8:15
88	Hus, storleksklass 1	7:33
89	Hus, storleksklass 1	8:06
90	Hus, storleksklass 1	8:12
91	Hus, storleksklass 1	7:34
92	Hus, storleksklass 1	0:00
93	Hus, storleksklass 1	7:46
94	Hus, storleksklass 1	7:37
95	Hus, storleksklass 1	7:54
96	Hus, storleksklass 1	8:12
97	Hus, storleksklass 1	8:09
98	Hus, storleksklass 1	7:36
99	Hus, storleksklass 1	7:09
100	Hus, storleksklass 1	0:00
101	Gård	0:00
102	Hus, storleksklass 1	0:00
103	Hus, storleksklass 1	2:16
104	Hus, storleksklass 1	0:00
105	Hus, storleksklass 1	14:35
106	Hus, storleksklass 1	16:11
107	Hus, storleksklass 1	2:50
108	Hus, storleksklass 1	0:00
109	Hus, storleksklass 1	2:50
110	Hus, storleksklass 1	16:42
111	Hus, storleksklass 1	3:25
112	Hus, storleksklass 1	3:06
113	Hus, storleksklass 1	3:04
114	Hus, storleksklass 1	3:26

To be continued on next page...

Project:

210311_Stora_Uvberget_ShadowZVI_SEMIOW

Licensed user:

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Karl Nilsson / karl.nilsson2@sweco.se

Calculated:

2023-06-20 09:49/3.6.361

SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_PSWEsuv018_locked_SG170

...continued from previous page

No.	Name	Shadow, expected values
		Shadow hours per year [h/year]
115	Hus, storleksklass 1	21:57
116	Hus, storleksklass 1	2:56
117	Hus, storleksklass 1	0:00
118	Hus, storleksklass 1	10:32
119	Hus, storleksklass 1	4:16
120	Hus, storleksklass 1	2:35
121	Hus, storleksklass 1	2:26
122	Hus, storleksklass 1	2:21
123	Hus, storleksklass 1	0:00
124	Hus, storleksklass 1	2:13
125	Hus, storleksklass 1	0:00
126	Hus, storleksklass 1	0:00
127	Hus, storleksklass 1	0:00
128	Hus, storleksklass 1	0:00
129	Hus, storleksklass 1	0:00
130	Gård	0:00
131	Hus, storleksklass 1	11:44
132	Hus, storleksklass 1	5:11
133	Gård	10:51
134	Hus, storleksklass 1	14:31
135	Hus, storleksklass 1	14:41
136	Hus, storleksklass 1	15:01
137	Hus, storleksklass 1	14:58
138	Hus, storleksklass 1	51:55
139	Hus, storleksklass 1	12:37
140	Hus, storleksklass 1	11:05
141	Hus, storleksklass 1	10:03
142	Hus, storleksklass 1	10:37
143	Hus, storleksklass 1	10:42
144	Hus, storleksklass 1	10:46
145	Hus, storleksklass 1	11:07
146	Hus, storleksklass 1	10:34
147	Hus, storleksklass 1	7:23
148	Hus, storleksklass 1	8:32
149	Hus, storleksklass 1	10:04
150	Hus, storleksklass 1	6:51
151	Hus, storleksklass 1	7:00
152	Hus, storleksklass 1	7:00
153	Hus, storleksklass 1	14:15
154	Hus, storleksklass 1	0:00
155	Hus, storleksklass 1	0:00
156	Hus, storleksklass 1	0:00
157	Hus, storleksklass 1	0:00
158	Hus, storleksklass 1	0:00
159	Hus, storleksklass 1	0:00
160	Hus, storleksklass 1	0:00
161	Hus, storleksklass 1	0:00
162	Hus, storleksklass 1	0:00
163	Hus, storleksklass 1	0:00
164	Hus, storleksklass 1	0:00
165	Hus, storleksklass 1	0:00
166	Hus, storleksklass 1	0:00
167	Hus, storleksklass 1	0:00
168	Hus, storleksklass 1	0:00
169	Hus, storleksklass 1	0:00
170	Hus, storleksklass 1	0:00
171	Gård	0:00
172	Hus, storleksklass 1	0:00
173	Gård	0:00
174	Hus, storleksklass 1	5:55
175	Hus, storleksklass 1	0:00
176	Gård	6:45
177	Hus, storleksklass 1	6:21

To be continued on next page...

SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_PSWEsuv018_locked_SG170

...continued from previous page

No.	Name	Shadow, expected values	
		Shadow hours	
		per year [h/year]	
178	Hus, storleksklass 1	0:00	
179	Hus, storleksklass 1	5:05	
180	Hus, storleksklass 1	6:28	
181	Hus, storleksklass 1	0:00	
182	Hus, storleksklass 1	0:00	
183	Hus, storleksklass 2	0:00	
184	Hus, storleksklass 1	0:00	
185	Hus, storleksklass 3	0:00	
186	Gård	0:00	
187	Hus, storleksklass 1	0:00	
188	Hus, storleksklass 1	0:00	
189	Hus, storleksklass 1	0:00	
190	Hus, storleksklass 1	0:00	
191	Hus, storleksklass 1	0:00	
192	Hus, storleksklass 1	0:00	
193	Hus, storleksklass 1	4:00	
194	Hus, storleksklass 1	0:00	
195	Hus, storleksklass 1	0:00	
196	Hus, storleksklass 1	0:00	
197	Hus, storleksklass 1	0:00	
198	Hus, storleksklass 1	0:50	
199	Gård	0:00	
200	Hus, storleksklass 1	0:00	
201	Hus, storleksklass 1	0:00	
202	Hus, storleksklass 1	0:00	
203	Hus, storleksklass 1	0:00	
204	Hus, storleksklass 1	0:00	
205	Hus, storleksklass 1	0:00	
206	Hus, storleksklass 1	0:00	
207	Hus, storleksklass 1	0:00	
208	Hus, storleksklass 1	0:00	
209	Hus, storleksklass 1	0:00	
210	Hus, storleksklass 1	0:00	
211	Hus, storleksklass 1	0:00	
212	Hus, storleksklass 1	0:00	
213	Hus, storleksklass 1	0:00	
214	Hus, storleksklass 1	0:00	
215	Klockstapel	0:00	
216	Hus, storleksklass 1	0:00	
217	Hus, storleksklass 2	0:00	
218	Hus, storleksklass 2	0:00	
219	Hus, storleksklass 1	0:00	
220	Hus, storleksklass 1	0:00	
221	Hus, storleksklass 1	0:00	
222	Hus, storleksklass 1	0:00	
223	Hus, storleksklass 1	0:00	
224	Hus, storleksklass 1	0:00	
225	Hus, storleksklass 3	0:00	
226	Hus, storleksklass 1	0:00	
227	Hus, storleksklass 1	0:00	
228	Hus, storleksklass 1	0:00	
229	Hus, storleksklass 1	0:00	
230	Hus, storleksklass 3	0:00	
231	Hus, storleksklass 1	0:00	
232	Hus, storleksklass 1	0:00	
233	Hus, storleksklass 1	0:00	
234	Hus, storleksklass 1	0:00	
235	Hus, storleksklass 1	0:00	
236	Hus, storleksklass 1	0:00	
237	Hus, storleksklass 1	0:00	
238	Gård	0:00	
239	Hus, storleksklass 1	0:00	
240	Hus, storleksklass 1	0:00	

To be continued on next page...

SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_PSWEsuv018_locked_SG170

...continued from previous page

No.	Name	Shadow, expected values	
		Shadow hours	per year [h/year]
241	Hus, storleksklass 1	0:00	
242	Hus, storleksklass 1	0:00	
243	Hus, storleksklass 1	0:00	
244	Hus, storleksklass 1	0:00	
245	Hus, storleksklass 1	0:00	
246	Hus, storleksklass 1	0:00	
247	Hus, storleksklass 3	0:00	
248	Gård	0:00	
249	Hus, storleksklass 1	0:00	
250	Hus, storleksklass 1	2:43	
251	Hus, storleksklass 1	0:00	
252	Hus, storleksklass 1	0:00	
253	Hus, storleksklass 1	0:00	
254	Hus, storleksklass 1	0:00	
255	Hus, storleksklass 1	0:00	
256	Hus, storleksklass 1	0:00	
257	Hus, storleksklass 1	0:00	
258	Hus, storleksklass 1	0:00	
259	Hus, storleksklass 1	0:00	
260	Hus, storleksklass 1	0:00	
261	Gård	0:00	
262	Hus, storleksklass 1	0:00	
263	Hus, storleksklass 1	0:00	
264	Hus, storleksklass 1	8:44	
265	Hus, storleksklass 1	9:05	
266	Hus, storleksklass 1	0:00	
267	Hus, storleksklass 1	0:00	
268	Hus, storleksklass 1	0:00	
269	Gård	0:00	
270	Hus, storleksklass 1	0:00	
271	Hus, storleksklass 1	0:00	
272	Hus, storleksklass 1	0:00	
273	Hus, storleksklass 1	12:42	
274	Hus, storleksklass 1	0:00	
275	Hus, storleksklass 1	0:00	
276	Hus, storleksklass 1	0:00	
277	Hus, storleksklass 1	0:00	
278	Hus, storleksklass 1	0:00	
279	Hus, storleksklass 1	0:00	
280	Hus, storleksklass 1	0:00	
281	Hus, storleksklass 2	0:00	
282	Hus, storleksklass 1	0:00	
283	Hus, storleksklass 1	0:00	
284	Hus, storleksklass 1	0:00	
285	Gård	0:00	
286	Hus, storleksklass 1	0:00	

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

No.	Name	Expected [h/year]
1	Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 205,0 m (TOT: 290,0 m) (26)	84:52
2	Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 205,0 m (TOT: 290,0 m) (27)	62:03
3	Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 205,0 m (TOT: 290,0 m) (28)	60:33
4	Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 205,0 m (TOT: 290,0 m) (29)	61:07
5	Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 205,0 m (TOT: 290,0 m) (30)	55:18
6	Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 205,0 m (TOT: 290,0 m) (31)	44:52

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.

SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_FOREST_PSWEsuv018_locked_SG170

Assumptions for shadow calculations

Maximum distance for influence
Calculate only when more than 20 % of 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) []
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,44 2,57 5,10 7,68 8,91 9,21 8,94 6,93 5,45 3,02 1,56 1,16

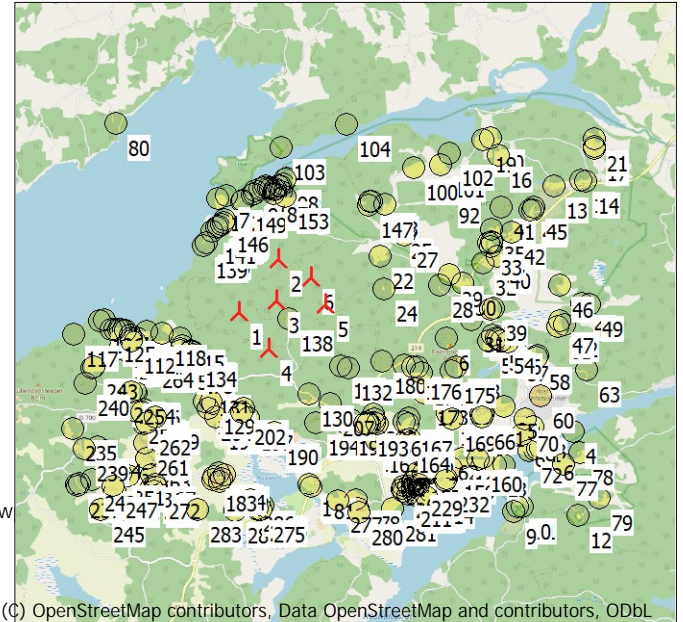
Operational time
N NNE ENE E ESE SSE S SSW WSW W WNW NNW Sum
566 660 592 457 432 570 671 889 1 213 1 421 547 544 8 562

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: Height Contours: CONTOURLINE_ONLINEDATA_0(1).w
Area object(s) used in calculation:
Merged forest data SkogligGrunddata2021lev2+SLU2015
Receptor grid resolution: 1,0 m

All coordinates are in
Swedish UTM 33-SWREF99 (SE)

WTGs

Easting	Northing	Z	Row data/Description	WTG type		Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Shadow data	
				Valid	Manufact.					Calculation distance [m]	RPM [RPM]
1	573 789	6 569 109	60,0 Siemens Gamesa SG 6.0-1...	Yes	Siemens Gamesa	SG 6.0-170-6 200	6 200	170,0	205,0	2 034	8,8
2	574 431	6 569 979	65,0 Siemens Gamesa SG 6.0-1...	Yes	Siemens Gamesa	SG 6.0-170-6 200	6 200	170,0	205,0	2 034	8,8
3	574 420	6 569 298	62,5 Siemens Gamesa SG 6.0-1...	Yes	Siemens Gamesa	SG 6.0-170-6 200	6 200	170,0	205,0	2 034	8,8
4	574 299	6 568 508	60,0 Siemens Gamesa SG 6.0-1...	Yes	Siemens Gamesa	SG 6.0-170-6 200	6 200	170,0	205,0	2 034	8,8
5	575 218	6 569 245	60,0 Siemens Gamesa SG 6.0-1...	Yes	Siemens Gamesa	SG 6.0-170-6 200	6 200	170,0	205,0	2 034	8,8
6	574 983	6 569 695	65,0 Siemens Gamesa SG 6.0-1...	Yes	Siemens Gamesa	SG 6.0-170-6 200	6 200	170,0	205,0	2 034	8,8



Shadow receptor-Input

No.	Name	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]
1	Fotbollsplan	575 005	6 566 282	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
2	Campingplats	578 089	6 566 644	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
3	Badplats	578 245	6 566 658	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
4	Badplats	579 375	6 567 239	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
5	Dammybyggnad, mindre	572 920	6 568 316	35,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
6	Mast	577 256	6 568 740	73,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
7	Gästhamn	573 546	6 571 018	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
8	Kyrka	576 966	6 566 097	41,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
9	Hus, storleksklass 1	578 431	6 565 866	43,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
10	Hus, storleksklass 1	578 479	6 565 944	42,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
11	Hus, storleksklass 1	578 566	6 565 945	46,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
12	Gård	579 493	6 565 837	55,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
13	Hus, storleksklass 1	578 972	6 571 279	35,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
14	Hus, storleksklass 1	579 507	6 571 373	32,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
15	Hus, storleksklass 1	579 427	6 571 380	32,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
16	Hus, storleksklass 1	578 058	6 571 766	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
17	Hus, storleksklass 1	579 628	6 571 921	30,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
18	Hus, storleksklass 1	579 636	6 571 962	30,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
19	Gård	577 785	6 572 018	26,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
20	Hus, storleksklass 1	577 909	6 572 056	38,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
21	Hus, storleksklass 1	579 623	6 572 068	32,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
22	Gård	576 123	6 570 075	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
23	Hus, storleksklass 1	576 187	6 570 924	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0

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SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_FOREST_PSWEsuv018_locked_SG170

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No.	Name	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]		[m]
24	Hus, storleksklass 1	576 195	6 569 519	46,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
25	Hus, storleksklass 1	576 405	6 570 555	48,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
26	Hus, storleksklass 1	576 435	6 570 532	47,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
27	Hus, storleksklass 3	576 512	6 570 431	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
28	Gård	577 118	6 569 608	48,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
29	Gård	577 269	6 569 778	41,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
30	Hus, storleksklass 1	577 510	6 569 646	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
31	Hus, storleksklass 1	577 647	6 569 054	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
32	Hus, storleksklass 1	577 840	6 569 983	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
33	Hus, storleksklass 1	577 930	6 570 326	46,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
34	Hus, storleksklass 1	577 947	6 570 254	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
35	Hus, storleksklass 1	577 964	6 570 557	57,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
36	Hus, storleksklass 1	577 967	6 570 344	47,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
37	Hus, storleksklass 1	577 969	6 569 235	56,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
38	Hus, storleksklass 1	577 976	6 570 312	46,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
39	Hus, storleksklass 1	578 015	6 569 239	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
40	Gård	578 057	6 570 101	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
41	Hus, storleksklass 1	578 115	6 570 904	37,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
42	Hus, storleksklass 1	578 292	6 570 495	50,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
43	Hus, storleksklass 1	578 594	6 570 879	49,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
44	Hus, storleksklass 1	578 629	6 570 874	48,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
45	Hus, storleksklass 1	578 655	6 570 925	47,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
46	Hus, storleksklass 1	579 115	6 569 632	48,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
47	Hus, storleksklass 1	579 132	6 569 051	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
48	Hus, storleksklass 1	579 488	6 569 356	46,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
49	Gård	579 611	6 569 344	47,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
50	Hus, storleksklass 1	577 966	6 568 706	56,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
51	Hus, storleksklass 1	578 022	6 568 791	61,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
52	Hus, storleksklass 1	578 073	6 568 756	58,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
53	Hus, storleksklass 1	578 116	6 568 738	58,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
54	Hus, storleksklass 1	578 161	6 568 712	59,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
55	Hus, storleksklass 1	578 227	6 567 623	51,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
56	Gård	578 274	6 568 695	59,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
57	Hus, storleksklass 1	578 387	6 568 594	55,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
58	Hus, storleksklass 1	578 740	6 568 448	50,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
59	Hus, storleksklass 1	578 761	6 568 480	50,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
60	Hus, storleksklass 1	578 834	6 567 822	58,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
61	Gård	579 085	6 568 948	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
62	Hus, storleksklass 1	579 208	6 569 001	49,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
63	Hus, storleksklass 1	579 593	6 568 269	59,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
64	Hus, storleksklass 1	575 961	6 567 325	47,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
65	Hus, storleksklass 1	576 754	6 566 354	41,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
66	Hus, storleksklass 1	577 859	6 567 452	46,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
67	Hus, storleksklass 2	577 888	6 567 487	48,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
68	Hus, storleksklass 1	577 904	6 566 778	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
69	Hus, storleksklass 1	578 533	6 567 171	40,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
70	Hus, storleksklass 1	578 584	6 567 412	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
71	Hus, storleksklass 1	578 626	6 567 242	42,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
72	Herrgård	578 669	6 566 897	42,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
73	Hus, storleksklass 1	578 711	6 567 312	42,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
74	Hus, storleksklass 1	578 758	6 566 914	44,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
75	Hus, storleksklass 1	578 805	6 566 943	42,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
76	Hus, storleksklass 1	578 861	6 566 967	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
77	Hus, storleksklass 1	579 225	6 566 694	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
78	Hus, storleksklass 1	579 497	6 566 883	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
79	Hus, storleksklass 1	579 841	6 566 144	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
80	Hus, storleksklass 1	571 692	6 572 170	25,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
81	Hus, storleksklass 1	573 976	6 571 043	26,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
82	Hus, storleksklass 1	574 326	6 571 062	37,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
83	Hus, storleksklass 1	574 005	6 571 069	27,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
84	Hus, storleksklass 1	574 371	6 571 074	35,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
85	Hus, storleksklass 1	574 458	6 571 089	35,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
86	Hus, storleksklass 1	574 029	6 571 097	27,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
87	Hus, storleksklass 1	574 337	6 571 128	30,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0

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SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_FOREST_PSWEsuv018_locked_SG170

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No.	Name	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]		[m]
88	Hus, storleksklass 1	574 110	6 571 136	27,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
89	Hus, storleksklass 1	574 287	6 571 142	29,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
90	Hus, storleksklass 1	574 372	6 571 143	29,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
91	Hus, storleksklass 1	574 159	6 571 168	27,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
92	Hus, storleksklass 1	577 195	6 571 174	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
93	Hus, storleksklass 1	574 246	6 571 175	27,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
94	Hus, storleksklass 1	574 199	6 571 186	27,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
95	Hus, storleksklass 1	574 397	6 571 188	26,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
96	Hus, storleksklass 1	574 445	6 571 189	28,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
97	Hus, storleksklass 1	574 478	6 571 219	28,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
98	Hus, storleksklass 1	574 510	6 571 298	25,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
99	Hus, storleksklass 1	574 560	6 571 334	27,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
100	Hus, storleksklass 1	576 638	6 571 549	40,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
101	Gård	577 087	6 571 596	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
102	Hus, storleksklass 1	577 236	6 571 793	47,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
103	Hus, storleksklass 1	574 452	6 571 828	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
104	Hus, storleksklass 1	575 512	6 572 231	28,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
105	Hus, storleksklass 1	572 835	6 568 437	41,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
106	Hus, storleksklass 1	572 821	6 568 479	34,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
107	Hus, storleksklass 1	571 937	6 568 486	45,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
108	Hus, storleksklass 1	571 849	6 568 488	48,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
109	Hus, storleksklass 1	571 944	6 568 518	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
110	Hus, storleksklass 1	572 859	6 568 526	29,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
111	Hus, storleksklass 1	572 083	6 568 554	38,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
112	Hus, storleksklass 1	572 022	6 568 574	35,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
113	Hus, storleksklass 1	572 027	6 568 638	28,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
114	Hus, storleksklass 1	572 112	6 568 639	30,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
115	Hus, storleksklass 1	572 830	6 568 648	28,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
116	Hus, storleksklass 1	572 002	6 568 670	31,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
117	Hus, storleksklass 1	571 062	6 568 680	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
118	Hus, storleksklass 1	572 531	6 568 725	30,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
119	Hus, storleksklass 1	572 279	6 568 738	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
120	Hus, storleksklass 1	571 916	6 568 755	33,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
121	Hus, storleksklass 1	571 874	6 568 762	33,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
122	Hus, storleksklass 1	571 835	6 568 766	33,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
123	Hus, storleksklass 1	571 748	6 568 772	35,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
124	Hus, storleksklass 1	571 796	6 568 773	32,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
125	Hus, storleksklass 1	571 697	6 568 778	34,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
126	Hus, storleksklass 1	571 494	6 568 895	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
127	Hus, storleksklass 1	571 572	6 568 928	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
128	Hus, storleksklass 1	573 265	6 567 609	41,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
129	Hus, storleksklass 1	573 352	6 567 609	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
130	Gård	574 971	6 567 758	50,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
131	Hus, storleksklass 1	573 270	6 567 909	40,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
132	Hus, storleksklass 1	575 642	6 568 198	55,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
133	Gård	575 497	6 568 238	56,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
134	Hus, storleksklass 1	573 051	6 568 377	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
135	Hus, storleksklass 1	573 003	6 568 415	43,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
136	Hus, storleksklass 1	573 040	6 568 417	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
137	Hus, storleksklass 1	573 013	6 568 449	48,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
138	Hus, storleksklass 1	574 630	6 569 008	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
139	Hus, storleksklass 1	573 191	6 570 189	38,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
140	Hus, storleksklass 1	573 218	6 570 233	35,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
141	Hus, storleksklass 1	573 320	6 570 420	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
142	Hus, storleksklass 1	573 403	6 570 486	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
143	Hus, storleksklass 1	573 433	6 570 514	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
144	Hus, storleksklass 1	573 469	6 570 547	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
145	Hus, storleksklass 1	573 521	6 570 572	28,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
146	Hus, storleksklass 1	573 534	6 570 628	25,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
147	Hus, storleksklass 1	575 906	6 570 906	48,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
148	Hus, storleksklass 1	573 791	6 570 919	31,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
149	Hus, storleksklass 1	573 821	6 570 942	32,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
150	Hus, storleksklass 1	575 960	6 570 960	52,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
151	Hus, storleksklass 1	575 925	6 570 960	50,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0

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SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_FOREST_PSWEsuv018_locked_SG170

...continued from previous page

No.	Name	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]		[m]
152	Hus, storleksklass 1	573 410	6 570 967	28,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
153	Hus, storleksklass 1	574 516	6 571 006	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
154	Hus, storleksklass 1	577 259	6 566 425	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
155	Hus, storleksklass 1	576 955	6 566 472	42,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
156	Hus, storleksklass 1	576 895	6 566 495	43,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
157	Hus, storleksklass 1	576 811	6 566 511	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
158	Hus, storleksklass 1	576 750	6 566 516	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
159	Hus, storleksklass 1	577 367	6 566 600	45,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
160	Hus, storleksklass 1	577 815	6 566 744	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
161	Hus, storleksklass 1	577 551	6 566 756	43,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
162	Hus, storleksklass 1	577 100	6 566 926	48,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
163	Hus, storleksklass 1	576 117	6 567 017	40,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
164	Hus, storleksklass 1	576 615	6 567 020	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
165	Hus, storleksklass 1	576 686	6 567 052	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
166	Hus, storleksklass 1	576 129	6 567 298	45,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
167	Hus, storleksklass 1	576 632	6 567 301	51,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
168	Hus, storleksklass 1	576 575	6 567 333	54,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
169	Hus, storleksklass 1	577 385	6 567 388	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
170	Hus, storleksklass 1	576 650	6 567 392	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
171	Gård	577 836	6 567 484	47,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
172	Hus, storleksklass 1	577 299	6 567 499	48,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
173	Gård	576 906	6 567 818	53,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
174	Hus, storleksklass 1	576 851	6 568 143	51,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
175	Hus, storleksklass 1	577 348	6 568 198	52,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
176	Gård	576 769	6 568 245	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
177	Hus, storleksklass 1	576 696	6 568 252	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
178	Hus, storleksklass 1	577 412	6 568 264	53,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
179	Hus, storleksklass 1	576 559	6 568 279	58,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
180	Hus, storleksklass 1	576 173	6 568 337	60,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
181	Hus, storleksklass 1	575 045	6 566 209	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
182	Hus, storleksklass 1	573 533	6 566 281	41,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
183	Hus, storleksklass 2	573 417	6 566 318	42,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
184	Hus, storleksklass 1	573 558	6 566 335	43,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
185	Hus, storleksklass 3	573 433	6 566 366	43,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
186	Gård	573 623	6 566 407	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
187	Hus, storleksklass 1	573 519	6 566 438	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
188	Hus, storleksklass 1	576 022	6 567 044	43,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
189	Hus, storleksklass 1	574 472	6 567 059	42,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
190	Hus, storleksklass 1	574 415	6 567 116	45,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
191	Hus, storleksklass 1	575 968	6 567 285	45,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
192	Hus, storleksklass 1	576 013	6 567 285	46,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
193	Hus, storleksklass 1	575 922	6 567 287	46,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
194	Hus, storleksklass 1	575 098	6 567 298	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
195	Hus, storleksklass 1	576 086	6 567 307	46,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
196	Hus, storleksklass 1	575 593	6 567 307	46,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
197	Hus, storleksklass 1	573 978	6 567 341	47,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
198	Hus, storleksklass 1	575 690	6 567 347	47,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
199	Gård	573 439	6 567 353	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
200	Hus, storleksklass 1	576 087	6 567 379	47,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
201	Hus, storleksklass 1	573 846	6 567 400	43,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
202	Hus, storleksklass 1	573 860	6 567 441	47,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
203	Hus, storleksklass 1	576 065	6 567 442	48,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
204	Hus, storleksklass 1	573 326	6 567 487	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
205	Hus, storleksklass 1	573 902	6 567 499	50,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
206	Hus, storleksklass 1	573 397	6 567 565	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
207	Hus, storleksklass 1	575 328	6 567 607	48,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
208	Hus, storleksklass 1	576 811	6 566 098	41,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
209	Hus, storleksklass 1	576 778	6 566 109	40,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
210	Hus, storleksklass 1	576 873	6 566 111	42,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
211	Hus, storleksklass 1	576 665	6 566 129	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
212	Hus, storleksklass 1	576 758	6 566 145	41,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
213	Hus, storleksklass 1	576 581	6 566 158	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
214	Hus, storleksklass 1	577 033	6 566 167	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
215	Klockstapel	576 956	6 566 168	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0

To be continued on next page...

SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_FOREST_PSWEsuv018_locked_SG170

...continued from previous page

No.	Name	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]		[m]
216	Hus, storleksklass 1	576 920	6 566 189	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
217	Hus, storleksklass 2	576 844	6 566 210	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
218	Hus, storleksklass 2	576 742	6 566 217	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
219	Hus, storleksklass 1	576 565	6 566 224	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
220	Hus, storleksklass 1	576 962	6 566 231	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
221	Hus, storleksklass 1	576 891	6 566 231	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
222	Hus, storleksklass 1	576 741	6 566 256	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
223	Hus, storleksklass 1	576 580	6 566 263	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
224	Hus, storleksklass 1	576 787	6 566 264	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
225	Hus, storleksklass 3	576 677	6 566 271	42,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
226	Hus, storleksklass 1	576 876	6 566 273	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
227	Hus, storleksklass 1	576 775	6 566 294	43,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
228	Hus, storleksklass 1	576 853	6 566 297	43,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
229	Hus, storleksklass 1	576 823	6 566 309	43,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
230	Hus, storleksklass 3	576 642	6 566 336	40,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
231	Hus, storleksklass 1	576 726	6 566 341	42,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
232	Hus, storleksklass 1	577 285	6 566 380	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
233	Hus, storleksklass 1	576 731	6 566 387	40,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
234	Hus, storleksklass 1	577 295	6 566 415	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
235	Hus, storleksklass 1	571 080	6 567 109	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
236	Hus, storleksklass 1	571 140	6 566 198	60,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
237	Hus, storleksklass 1	571 171	6 566 164	58,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
238	Gård	571 206	6 566 225	59,7	5,0	5,0	1,0	0,0	"Green house mode"	1,0
239	Hus, storleksklass 1	571 267	6 566 789	51,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
240	Hus, storleksklass 1	571 278	6 567 873	60,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
241	Hus, storleksklass 1	571 357	6 568 117	57,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
242	Hus, storleksklass 1	571 402	6 566 291	54,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
243	Hus, storleksklass 1	571 404	6 568 139	55,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
244	Hus, storleksklass 1	571 480	6 566 828	50,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
245	Hus, storleksklass 1	571 564	6 565 770	51,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
246	Hus, storleksklass 1	571 636	6 566 751	50,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
247	Hus, storleksklass 3	571 749	6 566 169	50,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
248	Gård	571 792	6 566 098	49,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
249	Hus, storleksklass 1	571 859	6 567 775	61,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
250	Hus, storleksklass 1	571 893	6 568 433	50,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
251	Hus, storleksklass 1	571 897	6 566 387	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
252	Hus, storleksklass 1	571 958	6 567 704	61,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
253	Hus, storleksklass 1	572 011	6 566 348	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
254	Hus, storleksklass 1	572 039	6 567 747	63,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
255	Hus, storleksklass 1	572 099	6 567 766	64,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
256	Hus, storleksklass 1	572 123	6 567 729	62,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
257	Hus, storleksklass 1	572 124	6 567 430	50,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
258	Hus, storleksklass 1	572 232	6 567 413	50,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
259	Hus, storleksklass 1	572 235	6 567 452	51,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
260	Hus, storleksklass 1	572 238	6 567 212	47,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
261	Gård	572 268	6 566 897	49,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
262	Hus, storleksklass 1	572 299	6 567 233	46,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
263	Hus, storleksklass 1	572 325	6 566 653	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
264	Hus, storleksklass 1	572 331	6 568 360	52,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
265	Hus, storleksklass 1	572 357	6 568 379	51,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
266	Hus, storleksklass 1	572 371	6 566 358	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
267	Hus, storleksklass 1	572 397	6 566 378	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
268	Hus, storleksklass 1	572 403	6 566 168	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
269	Gård	572 446	6 567 343	49,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
270	Hus, storleksklass 1	572 448	6 566 102	44,9	5,0	5,0	1,0	0,0	"Green house mode"	1,0
271	Hus, storleksklass 1	572 457	6 566 223	43,5	5,0	5,0	1,0	0,0	"Green house mode"	1,0
272	Hus, storleksklass 1	572 475	6 566 163	43,1	5,0	5,0	1,0	0,0	"Green house mode"	1,0
273	Hus, storleksklass 1	572 987	6 568 276	39,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
274	Hus, storleksklass 1	574 191	6 565 932	44,4	5,0	5,0	1,0	0,0	"Green house mode"	1,0
275	Hus, storleksklass 1	574 227	6 565 827	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
276	Hus, storleksklass 1	574 259	6 565 884	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
277	Hus, storleksklass 1	575 497	6 566 009	43,3	5,0	5,0	1,0	0,0	"Green house mode"	1,0
278	Hus, storleksklass 1	575 802	6 566 041	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
279	Hus, storleksklass 1	575 847	6 565 887	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0

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SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_FOREST_PSWEsuv018_locked_SG170

...continued from previous page

No.	Name	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]		[m]
280	Hus, storleksklass 1	575 860	6 565 801	44,8	5,0	5,0	1,0	0,0	"Green house mode"	1,0
281	Hus, storleksklass 2	576 398	6 565 898	40,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
282	Hus, storleksklass 1	573 804	6 565 790	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
283	Hus, storleksklass 1	573 168	6 565 805	45,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0
284	Hus, storleksklass 1	574 182	6 565 822	41,2	5,0	5,0	1,0	0,0	"Green house mode"	1,0
285	Gård	574 153	6 565 846	43,6	5,0	5,0	1,0	0,0	"Green house mode"	1,0
286	Hus, storleksklass 1	574 054	6 565 996	40,0	5,0	5,0	1,0	0,0	"Green house mode"	1,0

Calculation Results

Shadow receptor

No.	Name	Shadow, worst case			Shadow, expected values
		Shadow hours per year [h/year]	Shadow days per year [days/year]	Max shadow hours per day [h/day]	Shadow hours per year [h/year]
1	Fotbollsplan	0:00	0	0:00	0:00
2	Campingplats	0:00	0	0:00	0:00
3	Badplats	0:00	0	0:00	0:00
4	Badplats	0:00	0	0:00	0:00
5	Dammybyggnad, mindre	24:07	68	0:24	8:18
6	Mast	0:00	0	0:00	0:00
7	Gästhamn	40:40	97	0:51	5:30
8	Kyrka	0:00	0	0:00	0:00
9	Hus, storleksklass 1	0:00	0	0:00	0:00
10	Hus, storleksklass 1	0:00	0	0:00	0:00
11	Hus, storleksklass 1	0:00	0	0:00	0:00
12	Gård	0:00	0	0:00	0:00
13	Hus, storleksklass 1	0:00	0	0:00	0:00
14	Hus, storleksklass 1	0:00	0	0:00	0:00
15	Hus, storleksklass 1	0:00	0	0:00	0:00
16	Hus, storleksklass 1	0:00	0	0:00	0:00
17	Hus, storleksklass 1	0:00	0	0:00	0:00
18	Hus, storleksklass 1	0:00	0	0:00	0:00
19	Gård	0:00	0	0:00	0:00
20	Hus, storleksklass 1	0:00	0	0:00	0:00
21	Hus, storleksklass 1	0:00	0	0:00	0:00
22	Gård	45:29	106	0:40	11:26
23	Hus, storleksklass 1	0:00	0	0:00	0:00
24	Hus, storleksklass 1	0:00	0	0:00	0:00
25	Hus, storleksklass 1	0:00	0	0:00	0:00
26	Hus, storleksklass 1	20:18	66	0:24	3:58
27	Hus, storleksklass 3	19:09	62	0:24	4:05
28	Gård	0:00	0	0:00	0:00
29	Gård	0:00	0	0:00	0:00
30	Hus, storleksklass 1	0:00	0	0:00	0:00
31	Hus, storleksklass 1	0:00	0	0:00	0:00
32	Hus, storleksklass 1	0:00	0	0:00	0:00
33	Hus, storleksklass 1	0:00	0	0:00	0:00
34	Hus, storleksklass 1	0:00	0	0:00	0:00
35	Hus, storleksklass 1	0:00	0	0:00	0:00
36	Hus, storleksklass 1	0:00	0	0:00	0:00
37	Hus, storleksklass 1	0:00	0	0:00	0:00
38	Hus, storleksklass 1	0:00	0	0:00	0:00
39	Hus, storleksklass 1	0:00	0	0:00	0:00
40	Gård	0:00	0	0:00	0:00
41	Hus, storleksklass 1	0:00	0	0:00	0:00
42	Hus, storleksklass 1	0:00	0	0:00	0:00
43	Hus, storleksklass 1	0:00	0	0:00	0:00
44	Hus, storleksklass 1	0:00	0	0:00	0:00
45	Hus, storleksklass 1	0:00	0	0:00	0:00
46	Hus, storleksklass 1	0:00	0	0:00	0:00
47	Hus, storleksklass 1	0:00	0	0:00	0:00
48	Hus, storleksklass 1	0:00	0	0:00	0:00
49	Gård	0:00	0	0:00	0:00

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SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_FOREST_PSWEsuv018_locked_SG170

...continued from previous page

No.	Name	Shadow, worst case			Shadow, expected values	
		Shadow hours per year [h/year]	Shadow days per year [days/year]	Max shadow hours per day [h/day]	Shadow hours per year [h/year]	Shadow hours per year [h/year]
50	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
51	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
52	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
53	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
54	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
55	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
56	Gård	0:00	0	0:00	0:00	0:00
57	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
58	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
59	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
60	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
61	Gård	0:00	0	0:00	0:00	0:00
62	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
63	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
64	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
65	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
66	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
67	Hus, storleksklass 2	0:00	0	0:00	0:00	0:00
68	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
69	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
70	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
71	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
72	Herrgård	0:00	0	0:00	0:00	0:00
73	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
74	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
75	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
76	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
77	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
78	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
79	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
80	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
81	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
82	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
83	Hus, storleksklass 1	27:45	62	0:36	3:31	3:31
84	Hus, storleksklass 1	21:35	60	0:28	2:31	2:31
85	Hus, storleksklass 1	83:52	100	1:07	10:15	10:15
86	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
87	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
88	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
89	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
90	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
91	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
92	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
93	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
94	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
95	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
96	Hus, storleksklass 1	67:04	93	1:01	8:12	8:12
97	Hus, storleksklass 1	66:55	91	1:01	8:09	8:09
98	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
99	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
100	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
101	Gård	0:00	0	0:00	0:00	0:00
102	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
103	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
104	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
105	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
106	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
107	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
108	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
109	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
110	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
111	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00
112	Hus, storleksklass 1	0:00	0	0:00	0:00	0:00

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SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_FOREST_PSWEsuv018_locked_SG170

...continued from previous page

No.	Name	Shadow, worst case			Shadow, expected values	
		Shadow hours per year [h/year]	Shadow days per year [days/year]	Max shadow hours per day [h/day]	Shadow hours per year [h/year]	
113	Hus, storleksklass 1	9:49	34	0:23	3:04	
114	Hus, storleksklass 1	0:00	0	0:00	0:00	
115	Hus, storleksklass 1	0:00	0	0:00	0:00	
116	Hus, storleksklass 1	0:00	0	0:00	0:00	
117	Hus, storleksklass 1	0:00	0	0:00	0:00	
118	Hus, storleksklass 1	8:10	29	0:22	2:09	
119	Hus, storleksklass 1	0:00	0	0:00	0:00	
120	Hus, storleksklass 1	0:00	0	0:00	0:00	
121	Hus, storleksklass 1	0:00	0	0:00	0:00	
122	Hus, storleksklass 1	0:00	0	0:00	0:00	
123	Hus, storleksklass 1	0:00	0	0:00	0:00	
124	Hus, storleksklass 1	0:00	0	0:00	0:00	
125	Hus, storleksklass 1	0:00	0	0:00	0:00	
126	Hus, storleksklass 1	0:00	0	0:00	0:00	
127	Hus, storleksklass 1	0:00	0	0:00	0:00	
128	Hus, storleksklass 1	0:00	0	0:00	0:00	
129	Hus, storleksklass 1	0:00	0	0:00	0:00	
130	Gård	0:00	0	0:00	0:00	
131	Hus, storleksklass 1	0:00	0	0:00	0:00	
132	Hus, storleksklass 1	0:00	0	0:00	0:00	
133	Gård	0:00	0	0:00	0:00	
134	Hus, storleksklass 1	0:00	0	0:00	0:00	
135	Hus, storleksklass 1	0:00	0	0:00	0:00	
136	Hus, storleksklass 1	0:00	0	0:00	0:00	
137	Hus, storleksklass 1	0:00	0	0:00	0:00	
138	Hus, storleksklass 1	116:34	163	1:04	31:09	
139	Hus, storleksklass 1	0:00	0	0:00	0:00	
140	Hus, storleksklass 1	0:00	0	0:00	0:00	
141	Hus, storleksklass 1	0:00	0	0:00	0:00	
142	Hus, storleksklass 1	0:00	0	0:00	0:00	
143	Hus, storleksklass 1	0:00	0	0:00	0:00	
144	Hus, storleksklass 1	0:00	0	0:00	0:00	
145	Hus, storleksklass 1	0:00	0	0:00	0:00	
146	Hus, storleksklass 1	0:00	0	0:00	0:00	
147	Hus, storleksklass 1	0:00	0	0:00	0:00	
148	Hus, storleksklass 1	0:00	0	0:00	0:00	
149	Hus, storleksklass 1	0:00	0	0:00	0:00	
150	Hus, storleksklass 1	0:00	0	0:00	0:00	
151	Hus, storleksklass 1	0:00	0	0:00	0:00	
152	Hus, storleksklass 1	0:00	0	0:00	0:00	
153	Hus, storleksklass 1	67:15	92	1:09	8:37	
154	Hus, storleksklass 1	0:00	0	0:00	0:00	
155	Hus, storleksklass 1	0:00	0	0:00	0:00	
156	Hus, storleksklass 1	0:00	0	0:00	0:00	
157	Hus, storleksklass 1	0:00	0	0:00	0:00	
158	Hus, storleksklass 1	0:00	0	0:00	0:00	
159	Hus, storleksklass 1	0:00	0	0:00	0:00	
160	Hus, storleksklass 1	0:00	0	0:00	0:00	
161	Hus, storleksklass 1	0:00	0	0:00	0:00	
162	Hus, storleksklass 1	0:00	0	0:00	0:00	
163	Hus, storleksklass 1	0:00	0	0:00	0:00	
164	Hus, storleksklass 1	0:00	0	0:00	0:00	
165	Hus, storleksklass 1	0:00	0	0:00	0:00	
166	Hus, storleksklass 1	0:00	0	0:00	0:00	
167	Hus, storleksklass 1	0:00	0	0:00	0:00	
168	Hus, storleksklass 1	0:00	0	0:00	0:00	
169	Hus, storleksklass 1	0:00	0	0:00	0:00	
170	Hus, storleksklass 1	0:00	0	0:00	0:00	
171	Gård	0:00	0	0:00	0:00	
172	Hus, storleksklass 1	0:00	0	0:00	0:00	
173	Gård	0:00	0	0:00	0:00	
174	Hus, storleksklass 1	0:00	0	0:00	0:00	
175	Hus, storleksklass 1	0:00	0	0:00	0:00	

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SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_FOREST_PSWEsuv018_locked_SG170

...continued from previous page

No.	Name	Shadow, worst case			Shadow, expected values	
		Shadow hours per year [h/year]	Shadow days per year [days/year]	Max shadow hours per day [h/day]	Shadow hours per year [h/year]	
176	Gård	0:00	0	0:00	0:00	
177	Hus, storleksklass 1	0:00	0	0:00	0:00	
178	Hus, storleksklass 1	0:00	0	0:00	0:00	
179	Hus, storleksklass 1	0:00	0	0:00	0:00	
180	Hus, storleksklass 1	0:00	0	0:00	0:00	
181	Hus, storleksklass 1	0:00	0	0:00	0:00	
182	Hus, storleksklass 1	0:00	0	0:00	0:00	
183	Hus, storleksklass 2	0:00	0	0:00	0:00	
184	Hus, storleksklass 1	0:00	0	0:00	0:00	
185	Hus, storleksklass 3	0:00	0	0:00	0:00	
186	Gård	0:00	0	0:00	0:00	
187	Hus, storleksklass 1	0:00	0	0:00	0:00	
188	Hus, storleksklass 1	0:00	0	0:00	0:00	
189	Hus, storleksklass 1	0:00	0	0:00	0:00	
190	Hus, storleksklass 1	0:00	0	0:00	0:00	
191	Hus, storleksklass 1	0:00	0	0:00	0:00	
192	Hus, storleksklass 1	0:00	0	0:00	0:00	
193	Hus, storleksklass 1	0:00	0	0:00	0:00	
194	Hus, storleksklass 1	0:00	0	0:00	0:00	
195	Hus, storleksklass 1	0:00	0	0:00	0:00	
196	Hus, storleksklass 1	0:00	0	0:00	0:00	
197	Hus, storleksklass 1	0:00	0	0:00	0:00	
198	Hus, storleksklass 1	0:00	0	0:00	0:00	
199	Gård	0:00	0	0:00	0:00	
200	Hus, storleksklass 1	0:00	0	0:00	0:00	
201	Hus, storleksklass 1	0:00	0	0:00	0:00	
202	Hus, storleksklass 1	0:00	0	0:00	0:00	
203	Hus, storleksklass 1	0:00	0	0:00	0:00	
204	Hus, storleksklass 1	0:00	0	0:00	0:00	
205	Hus, storleksklass 1	0:00	0	0:00	0:00	
206	Hus, storleksklass 1	0:00	0	0:00	0:00	
207	Hus, storleksklass 1	0:00	0	0:00	0:00	
208	Hus, storleksklass 1	0:00	0	0:00	0:00	
209	Hus, storleksklass 1	0:00	0	0:00	0:00	
210	Hus, storleksklass 1	0:00	0	0:00	0:00	
211	Hus, storleksklass 1	0:00	0	0:00	0:00	
212	Hus, storleksklass 1	0:00	0	0:00	0:00	
213	Hus, storleksklass 1	0:00	0	0:00	0:00	
214	Hus, storleksklass 1	0:00	0	0:00	0:00	
215	Klockstapel	0:00	0	0:00	0:00	
216	Hus, storleksklass 1	0:00	0	0:00	0:00	
217	Hus, storleksklass 2	0:00	0	0:00	0:00	
218	Hus, storleksklass 2	0:00	0	0:00	0:00	
219	Hus, storleksklass 1	0:00	0	0:00	0:00	
220	Hus, storleksklass 1	0:00	0	0:00	0:00	
221	Hus, storleksklass 1	0:00	0	0:00	0:00	
222	Hus, storleksklass 1	0:00	0	0:00	0:00	
223	Hus, storleksklass 1	0:00	0	0:00	0:00	
224	Hus, storleksklass 1	0:00	0	0:00	0:00	
225	Hus, storleksklass 3	0:00	0	0:00	0:00	
226	Hus, storleksklass 1	0:00	0	0:00	0:00	
227	Hus, storleksklass 1	0:00	0	0:00	0:00	
228	Hus, storleksklass 1	0:00	0	0:00	0:00	
229	Hus, storleksklass 1	0:00	0	0:00	0:00	
230	Hus, storleksklass 3	0:00	0	0:00	0:00	
231	Hus, storleksklass 1	0:00	0	0:00	0:00	
232	Hus, storleksklass 1	0:00	0	0:00	0:00	
233	Hus, storleksklass 1	0:00	0	0:00	0:00	
234	Hus, storleksklass 1	0:00	0	0:00	0:00	
235	Hus, storleksklass 1	0:00	0	0:00	0:00	
236	Hus, storleksklass 1	0:00	0	0:00	0:00	
237	Hus, storleksklass 1	0:00	0	0:00	0:00	
238	Gård	0:00	0	0:00	0:00	

To be continued on next page...

SHADOW - Main Result

Calculation: 230616_real_statistics_case with Habitations_20200114_5by5_FOREST_PSWEsuv018_locked_SG170

...continued from previous page

No.	Name	Shadow, worst case			Shadow, expected values	
		Shadow hours per year [h/year]	Shadow days per year [days/year]	Max shadow hours per day [h/day]	Shadow hours per year [h/year]	
239	Hus, storleksklass 1	0:00	0	0:00	0:00	
240	Hus, storleksklass 1	0:00	0	0:00	0:00	
241	Hus, storleksklass 1	0:00	0	0:00	0:00	
242	Hus, storleksklass 1	0:00	0	0:00	0:00	
243	Hus, storleksklass 1	0:00	0	0:00	0:00	
244	Hus, storleksklass 1	0:00	0	0:00	0:00	
245	Hus, storleksklass 1	0:00	0	0:00	0:00	
246	Hus, storleksklass 1	0:00	0	0:00	0:00	
247	Hus, storleksklass 3	0:00	0	0:00	0:00	
248	Gård	0:00	0	0:00	0:00	
249	Hus, storleksklass 1	0:00	0	0:00	0:00	
250	Hus, storleksklass 1	0:00	0	0:00	0:00	
251	Hus, storleksklass 1	0:00	0	0:00	0:00	
252	Hus, storleksklass 1	0:00	0	0:00	0:00	
253	Hus, storleksklass 1	0:00	0	0:00	0:00	
254	Hus, storleksklass 1	0:00	0	0:00	0:00	
255	Hus, storleksklass 1	0:00	0	0:00	0:00	
256	Hus, storleksklass 1	0:00	0	0:00	0:00	
257	Hus, storleksklass 1	0:00	0	0:00	0:00	
258	Hus, storleksklass 1	0:00	0	0:00	0:00	
259	Hus, storleksklass 1	0:00	0	0:00	0:00	
260	Hus, storleksklass 1	0:00	0	0:00	0:00	
261	Gård	0:00	0	0:00	0:00	
262	Hus, storleksklass 1	0:00	0	0:00	0:00	
263	Hus, storleksklass 1	0:00	0	0:00	0:00	
264	Hus, storleksklass 1	0:00	0	0:00	0:00	
265	Hus, storleksklass 1	0:00	0	0:00	0:00	
266	Hus, storleksklass 1	0:00	0	0:00	0:00	
267	Hus, storleksklass 1	0:00	0	0:00	0:00	
268	Hus, storleksklass 1	0:00	0	0:00	0:00	
269	Gård	0:00	0	0:00	0:00	
270	Hus, storleksklass 1	0:00	0	0:00	0:00	
271	Hus, storleksklass 1	0:00	0	0:00	0:00	
272	Hus, storleksklass 1	0:00	0	0:00	0:00	
273	Hus, storleksklass 1	0:00	0	0:00	0:00	
274	Hus, storleksklass 1	0:00	0	0:00	0:00	
275	Hus, storleksklass 1	0:00	0	0:00	0:00	
276	Hus, storleksklass 1	0:00	0	0:00	0:00	
277	Hus, storleksklass 1	0:00	0	0:00	0:00	
278	Hus, storleksklass 1	0:00	0	0:00	0:00	
279	Hus, storleksklass 1	0:00	0	0:00	0:00	
280	Hus, storleksklass 1	0:00	0	0:00	0:00	
281	Hus, storleksklass 2	0:00	0	0:00	0:00	
282	Hus, storleksklass 1	0:00	0	0:00	0:00	
283	Hus, storleksklass 1	0:00	0	0:00	0:00	
284	Hus, storleksklass 1	0:00	0	0:00	0:00	
285	Gård	0:00	0	0:00	0:00	
286	Hus, storleksklass 1	0:00	0	0:00	0:00	

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

No.	Name	Worst case [h/year]	Expected [h/year]
1	Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 205,0 m (TOT: 290,0 m) (26)	60:26	18:29
2	Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 205,0 m (TOT: 290,0 m) (27)	119:21	17:32
3	Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 205,0 m (TOT: 290,0 m) (28)	60:08	12:35
4	Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 205,0 m (TOT: 290,0 m) (29)	74:07	17:36
5	Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 205,0 m (TOT: 290,0 m) (30)	50:36	8:00
6	Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 205,0 m (TOT: 290,0 m) (31)	96:28	16:13

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.