



Shadow Flicker Assessment to support a planning application for a single wind turbine, up to 135m to tip, on land at Higher Biscovillack Farm, Greensplat, St. Austell, PL26 8XY.

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1. Executive Summary

Clean Earth (The Applicant) is seeking planning permission from Cornwall Council for the approval of single wind turbine up to 135m to tip on land at Higher Biscovillack Farm, Greensplat, St Austell, PL26 8XY.

Under certain combinations of geographical position and time of day, the sun may pass behind the rotor of a wind turbine and cast a shadow over neighbouring properties. When the blades rotate, the shadow flicks on and off; the effect is known as ‘shadow flicker’. It only occurs inside buildings where the flicker appears through a narrow window or opening.

The assessment is based on a candidate turbine with a rotor diameter of 117m. Accordingly, a 1,170m radius from the turbine location was defined and modelled as the study area. This study area was determined in line with guidance from the *Update of UK Shadow Flicker Evidence Base*¹ which recommends properties within 10 rotor diameters of the turbine model should be assessed. Beyond this distance, shadow flicker effects are considered negligible.

A total of 39 residential properties were identified within the study area. Of these, 23 could theoretically experience shadow flicker over the course of a year. Ten of these properties are predicted to experience shadow flicker above the threshold of acceptability, with Property 39 potentially subject to a theoretical maximum of up to 0.97 hours in a day. The assessment took into account the Department of Energy and Climate Change (DECC) guidance, which recommends that shadow flicker should not exceed 30 hours per year or 30 minutes per day as a theoretical maximum.

The model does not account for variations in weather conditions or for screening from trees, hedges, or buildings, all of which are expected to substantially reduce potential shadow flicker effects on surrounding properties. In addition, it represents a worst-case scenario, assuming that property windows directly face the turbine and that weather conditions remain clear and sunny throughout the year. In reality, considering typical UK weather patterns and unmodelled screening effects, actual shadow flicker levels are expected to be considerably lower than the predicted values.

Research studies into the effects of shadow flicker has found that the shadow effect from turbines of this scale does not occur at frequencies that may cause human health problems².

¹ GOV.UK (2011) Update of UK Shadow Flicker evidence base [online] Available at: <https://www.gov.uk/government/publications/update-of-uk-shadow-flicker-evidence-base> [Accessed 08 Oct 2025]

² Epilepsysociety.org.uk. 2025. Wind turbines and photosensitive epilepsy | Epilepsy Society. [online] Available at: <https://epilepsysociety.org.uk/about-epilepsy/epileptic-seizures/seizure-triggers/photosensitive-epilepsy> [Accessed 08 Oct 2025]

2. Introduction

The Applicant is seeking planning permission from Cornwall Council for the approval of a single wind turbine of up to 135m to tip on land at Higher Biscovillack Farm, Greensplat, St Austell, PL26 8XY. The site lies approximately 2.8km northwest of St Austell, within a landscape that has been extensively modified by human and industrial activity. The surrounding area is largely characterised by the influence of the China Clay industry.

Under certain combinations of geographical position and time of day, the sun may pass behind the rotor of a wind turbine and cast a shadow over neighbouring properties. When the blades rotate, the shadow flicks on and off; this effect is known as 'shadow flicker'. This phenomenon only occurs inside buildings, where the flicker appears through a narrow window or opening.

3. Risk and Shadow Flicker Effects

Historically, concerns have arisen that the stroboscopic effects of shadow flicker may induce epilepsy or similar symptoms. The effects of light flicker on humans concerning shadow flicker from wind turbines have been reviewed by Clarke³ and more recently by Brinckerhoff⁴. Both studies conclude that the frequencies capable of triggering epilepsy and general disturbance lie between 2.5Hz and 3Hz.

The proposed turbine model has a rated speed of 12.3 revolutions per minute (rpm). Given that the turbine will have three blades, the frequency at which the blade will pass a particular point will be on the order of 36.9 times a minute which equates to 0.615 flashes per second (hertz). This is substantially less than the 2.5 and 3Hz frequency range generally thought to induce photosensitive epilepsy. As a result, the issue of photosensitive epilepsy is not considered further in this assessment as no adverse health effects are predicted.

4. Planning and Shadow Flicker

In December 2024, the UK Government published the new National Planning Policy Framework (NPPF). The NPPF makes it clear that the purpose of the planning system is to contribute to the achievement of sustainable development.

³ Clarke, A. D. A Case of Shadow Flicker/Flashing: Assessment and Solution, British Wind Energy Association Annual Conference 1981

⁴ Brinckerhoff, P. Update of UK Shadow Flicker Evidence Base, Department of Energy and Climate Change, 2016.

The NPPF replaces most of the existing Planning Policy Statements (PPS's), Planning Policy Guidance (PPG's), and a number of Planning Circulars with a single policy document. However, whilst the policies in the NPPF are material considerations for the near future, existing policies and guidelines continue to carry significant weight in their existing form.

Planning for Renewable Energy - A Companion Guide to PPS22 (2004), provided the following guidance about shadow flicker:

“Under certain combinations of geographical position and time of day, the sun may pass behind the rotors of a wind turbine and cast a shadow over neighbouring properties. When the blades rotate, the shadow flicks on and off; the effect is known as ‘shadow flicker’. It only occurs inside buildings where the flicker appears through a narrow window or opening. The seasonal duration of this effect can be calculated from the geometry of the machine and the latitude of the site. Although problems caused by shadow flicker are rare, for sites where existing development may be subject to this problem, applicants for planning permission for wind turbine installations should provide an analysis to quantify the effect. A single window in a single building is likely to be affected for a few minutes at certain times of the day during short periods of the year. The likelihood of this occurring and the duration of such an effect depends upon:

- *The direction of the residence relative to the turbine(s);*
- *The distance from the turbine(s);*
- *The turbine hub-height and rotor diameter;*
- *The time of year;*
- *The proportion of day-light hours in which the turbines operate;*
- *The frequency of bright sunshine and cloudless skies (particularly at low elevations above the horizon); and,*
- *The prevailing wind direction.*

Only properties within 130 degrees either side of north, relative to the turbines can be affected at these latitudes in the UK - turbines do not cast long shadows on their southern side.

The further the observer is from the turbine the less pronounced the effect will be... There are several reasons for this:

- *There are fewer times when the sun is low enough to cast a long shadow;*
- *When the sun is low it is more likely to be obscured by either cloud on the horizon or intervening buildings and vegetation; and,*

- *The centre of the rotor's shadow passes more quickly over the land reducing the duration of the effect.*

At a distance, the blades do not cover the sun but only partly mask it, substantially weakening the shadow. This effect occurs first with the shadow from the blade tip, the tips being thinner in section than the rest of the blade. The shadows from the tips extend the furthest and so only a very weak effect is observed at distance from the turbines.

Shadow flicker can be mitigated by siting wind turbines at sufficient distance from residences likely to be affected. Flicker effects have been proven to occur only within ten rotor diameters of a turbine. Therefore, if the turbine has 80m diameter blades, the potential shadow flicker effect could be felt up to 800m from a turbine.

Around 0.5% of the population is epileptic and of those around 5% are photo sensitive. Of photo-sensitive epileptics less than 5% are sensitive to the lowest frequencies of 2.5-3Hz, the remainder are sensitive only to higher frequencies. The flicker caused by wind turbines is equal to the blade passing frequency. A fast moving three-bladed machine will give rise to the highest levels of flicker frequency. These levels are well below 2Hz. The new generation of wind turbines is known to operate at levels below 1Hz.

Turbines can also cause flashes of reflected light, which can be visible for some distance. It is possible to ameliorate the flashing, but it is not possible to eliminate it. Careful choice of blade colour and surface finish can help reduce the effect. Light grey semi-matt finishes are often used for this. Other colours and patterns can also be used to reduce the effect further (see "The influence of Colour on the Aesthetics of Wind Turbine Generators" - ETSU W/14/00533/00/00)".

"At a distance of 10 rotor diameters a person should not perceive a wind turbine to be chopping through sunlight, but rather as an object with the sun behind it"⁶.

Further to this, the Department of Energy and Climate Change's Renewable Energy National Policy Statement (EN-3) states the following:

⁶ Onshore Wind: Shadow Flicker. Accessed via: <https://webarchive.nationalarchives.gov.uk/ukgwa/20090609022927/http://www.berr.gov.uk/energy/sources/renewables/planning/ons-hore-wind/shadow-flicker/page18736.html> (Accessed 10th October 2025).

“The intensity of the shadow of the rotating blades from the turbines at distances from such buildings of 10 rotor diameters and beyond is sufficiently diminished so as to have no significant impact on occupied buildings”⁷

Another recently published report by the Department of Energy and Climate Change, ‘Update of UK Shadow Flicker Evidence Base’ states:

“On health effects and nuisance of the shadow flicker effect, it is considered that the frequency of the flickering caused by the wind turbine rotation is such that it should not cause a significant risk to health. Mitigation measures by which have been employed to operational wind farms such as turbine shut down strategies, have proved very successful, to the extent that shadow flicker cannot be considered to be a major issue in the UK”.

Furthermore, the report also highlights the best practice guidance implemented by the Northern Ireland Department of the Environment (2009) which:

“Recommends that shadow flickering at neighbouring offices and dwellings within 500m should not exceed 30 hours per year or 30 minutes per day”⁸.

The guidance references a survey undertaken by Predac, a European Union Sponsored organisation that promotes best practice in energy use and supply.

5. Methodology

The seasonal duration of shadow flicker can be calculated from the geometry of the turbine and the latitude and topography of the potential site (Planning Policy Guidance Note, PPS 22, Department of the Environment, 2004).

Assessment of potential shadow flicker from the turbine has been undertaken using Resoft WindFarm®, an industry-standard software package widely used for the design and assessment of wind farms. It should be noted that the software does not take into account any screening between the houses and turbine and assumes perfect weather conditions, representing a worst-case scenario for potential shadow flicker. In addition, Resoft

⁷ Department of Energy & Climate Change: National Policy Statement for Renewable Energy (EN-3). Accessed via: https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/37048/1940-nps-renewable-energy-en3.pdf (Accessed 10th October 2025).

⁸ Department of Energy and Climate Change, Update of UK Shadow Flicker Evidence Base. Accessed via: https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/48052/1416-update-uk-shadow-flicker-evidence-base.pdf (Accessed 11th October 2025)

WindFarm® does not consider daylight savings time, which should be applied to any timing data presented in this report.

Shadow strength decreases with distance from the source and it is generally accepted that shadow flicker becomes insignificant at distances greater than 10 times the turbine rotor diameter. The candidate turbine model selected for this study has a rotor diameter of 117m, resulting in a study area extending 1,170m. The shadow flicker effects beyond the distance of 1,170m can be considered insignificant.

Google Earth satellite imagery and Ordnance Survey maps were used to identify properties in the study area. In total, 39 properties were identified - their locations can be seen within **Appendix C**. The theoretical extent of shadow flicker from the proposed wind turbine was then calculated at all properties within 1,170m.

The location of the turbine used for the analysis is given in **Table 1** below.

<i>Table 1: Turbine location</i>		
Turbine	Easting	Northing
1	199806	054453

As standard industry practice dictates, it has been assumed that each house within the study area has a window of 1m x 1m, located at the nearest point of the house to the turbine and positioned at a height-to-centre of 2m above ground level directly facing the proposed wind turbine. This allows for the consideration of 1 representative window per receptor and represents a worst-case scenario in relation to conditions assuming the window directly faces Turbine 1, that there is no screening between residential properties and the turbine and all year round clear, sunny weather.

6. Predicted Impacts

The summarised result of the modelling is presented in the **Table 2** below.

Table 2: Summary of merged shadow times on each property for the proposed turbine

House	Window	Easting	Northing	Degrees	No. of Days	Max hours per day	Mean hours per day	Total

					per year			
1	1	200392	55450	210	0	0	0	0
2	1	200743	55152	233	40	0.43	0.29	11.44
3	1	200749	55141	234	40	0.43	0.28	11.23
4	1	200810	55047	239	36	0.43	0.28	10.06
5	1	200824	55023	241	36	0.42	0.27	9.79
6	1	200789	55028	240	35	0.42	0.27	9.4
7	1	200803	55000	241	33	0.41	0.27	8.84
8	1	200808	54973	243	34	0.42	0.25	8.67
9	1	200847	54984	243	33	0.41	0.28	9.15
10	1	200908	54785	253	29	0.41	0.25	7.29
11	1	200961	54605	263	17	0.16	0.11	1.82
12	1	200966	54578	264	15	0.14	0.1	1.46
13	1	200970	54552	265	15	0.11	0.08	1.13
14	1	200971	54527	266	11	0.06	0.04	0.43
15	1	200760	54409	273	40	0.51	0.38	15.28
16	1	200743	54393	274	42	0.52	0.38	16.05
17	1	200685	54129	290	69	0.54	0.41	28.17
18	1	200620	54045	297	80	0.57	0.51	40.47
19	1	200455	54216	290	106	0.72	0.57	60.7
10	1	200449	54232	289	110	0.73	0.55	60.5
11	1	200303	54209	296	81	0.84	0.66	53.46
12	1	200277	53941	317	0	0	0	0
13	1	200277	53966	316	0	0	0	0
14	1	200238	53567	334	0	0	0	0
15	1	200168	54058	317	0	0	0	0
16	1	199737	53310	3	0	0	0	0
17	1	199692	53296	6	0	0	0	0
18	1	199745	53352	3	0	0	0	0
19	1	199642	53435	9	0	0	0	0
20	1	199603	53525	12	0	0	0	0
21	1	199706	53664	7	0	0	0	0
22	1	199561	53670	17	0	0	0	0
23	1	199991	53923	341	0	0	0	0

24	1	199585	54061	29	0	0	0	0
25	1	199569	54084	33	0	0	0	0
26	1	199178	53837	46	0	0	0	0
27	1	199112	54147	66	89	0.67	0.59	52.64
28	1	199830	54827	184	53	0.86	0.69	36.57
29	1	199839	54813	185	59	0.97	0.77	45.65
30	1	200392	55450	210	0	0	0	0
31	1	200743	55152	233	40	0.43	0.29	11.44
32	1	200749	55141	234	40	0.43	0.28	11.23
33	1	200810	55047	239	36	0.43	0.28	10.06
34	1	200824	55023	241	36	0.42	0.27	9.79
35	1	200789	55028	240	35	0.42	0.27	9.4
36	1	200803	55000	241	33	0.41	0.27	8.84
37	1	200808	54973	243	34	0.42	0.25	8.67
38	1	200847	54984	243	33	0.41	0.28	9.15
39	1	200908	54785	253	29	0.41	0.25	7.29

The modelling shows that seven properties within the study area could theoretically experience shadow flicker exceeding the 30 hours per year threshold, with ten properties potentially experiencing over 30 minutes on any day.

The analysis showcases the theoretical maximum shadow flicker and is based on a worst-case scenario, which assumes sunny weather conditions all year round and does not take into account common UK winter weather conditions (cloud cover, wind speed and direction), or any screening between the properties and wind turbine. In the UK, bright sunshine is typically known to occur for only 30% of daylight hours per annum. Therefore, in reality, the actual amount of shadow flicker experienced by these properties is likely to be significantly lower.

The occurrence of shadow flicker is only possible during the operation of the wind turbine (i.e. when the rotor blades are turning) and when the sky is clear enough to cast shadows. It is therefore important to consider the following facts when making an assessment:

- Climatic conditions dictate that the sun is not always shining. Cloud cover/mist and fog at all other times obscure the sun and prevent shadow flicker occurrences. It is considered that weather conditions could reduce the actual occurrence of shadow flicker by at least half, compared to calculated levels.

- Objects such as trees or walls may surround windows and obscure the view of the turbine and hence prevent shadow flicker.
- During operation, the turbine rotors automatically orientate themselves to face the prevailing wind direction. This means the turbine rotors will not always be facing the affected window. Very little of the blade movement would be visible during such occurrences and therefore the potential for shadow flicker is reduced.
- The turbine will not operate for 100% daylight hours. During periods of very low wind speed, very high wind speed or maintenance-related shut-downs, the rotors do not turn. During such periods shadow flicker is not possible.

7. Mitigation Measures

Minimising any potential effects of shadow flicker on neighbouring properties has been considered in the positioning of the proposed turbine to provide the maximum possible distance between properties and the proposed turbine. In addition, monitoring and mitigating measures will be put in place to address any potential effects of shadow flicker that may arise.

To mitigate against shadow flicker, a shadow flicker mitigation programme will be installed into the turbine to ensure that all impacts can be nullified. This is achieved by installing light meters on the wind turbine and programming the turbine to switch off during potential shadow flicker occurrences that have been pre-determined. This programme can be initiated at any time during the operational life of the proposed wind turbine and will allow for the turbines shutdown immediately if a valid complaint from an impacted receptor is received, effectively eliminating any shadow flicker impact.

Further possible mitigation measures also include, but are not limited to, the planting of additional trees and shrubs at affected dwellings to generate screening, which can be implemented upon a valid complaint.

8. Conclusion

The shadow flicker assessment concludes that 39 properties lie within the 1,170 m study area, of which 23 could experience shadow flicker, with 10 which could theoretically experience over 30 minutes of flicker on any day or over 30 days per year.

It is important to note that all shadow flicker values presented represent the theoretical maximum duration. The modelling does not account for weather conditions (such as cloud

cover or wind direction and speed) or screening from trees, hedges, or other structures, all of which are expected to substantially reduce actual shadow flicker effects. Consequently, the actual amount of shadow flicker experienced by these properties is likely to be significantly lower than predicted.

The proposed turbine will be installed with a precautionary shadow flicker mitigation programme, allowing the turbine to be switched off which will effectively nullify any shadow flicker impact should a valid complaint arise. In addition, supplementary mitigation measures, such as the planting of trees and shrubs to provide screening, could be implemented to further reduce effects.

Importantly, research evidence shows that shadow flicker does not occur at frequencies which may cause human health problems.

9. Appendices

Appendix A

Detailed Listing of Shadow Flicker Events for All Houses & Respective Turbine Causing Flicker

House	Easting	Northing
1	200392	55450

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
There are no shadows cast on this window.							

House	Easting	Northing
2	200743	55152

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
1	199806	54453	25	16:08:08	16:09:32	00:01:24	78.87
1	199806	54453	26	16:06:48	16:11:23	00:04:36	100
1	199806	54453	27	16:05:48	16:13:16	00:07:28	100
1	199806	54453	28	16:05:02	16:15:09	00:10:07	100
1	199806	54453	29	16:04:26	16:17:04	00:12:38	100
1	199806	54453	30	16:03:58	16:19:00	00:15:02	100
1	199806	54453	31	16:03:38	16:20:58	00:17:19	100
1	199806	54453	32	16:03:25	16:22:56	00:19:31	100
1	199806	54453	33	16:03:17	16:24:55	00:21:38	100
1	199806	54453	34	16:03:16	16:26:55	00:23:39	100
1	199806	54453	35	16:03:21	16:28:56	00:25:35	100
1	199806	54453	36	16:03:33	16:29:19	00:25:46	100
1	199806	54453	37	16:03:51	16:29:08	00:25:17	100
1	199806	54453	38	16:04:16	16:28:48	00:24:32	100
1	199806	54453	39	16:04:49	16:28:17	00:23:28	100
1	199806	54453	40	16:05:33	16:27:35	00:22:02	100
1	199806	54453	41	16:06:29	16:26:38	00:20:09	100
1	199806	54453	42	16:07:43	16:25:23	00:17:40	100
1	199806	54453	43	16:09:25	16:23:38	00:14:13	100
1	199806	54453	44	16:12:06	16:20:52	00:08:46	36.01
1	199806	54453	300	15:43:11	15:49:14	00:06:03	16.75
1	199806	54453	301	15:39:42	15:52:34	00:12:51	79.86
1	199806	54453	302	15:37:44	15:54:26	00:16:41	100
1	199806	54453	303	15:36:20	15:55:44	00:19:25	100
1	199806	54453	304	15:35:17	15:56:43	00:21:27	100
1	199806	54453	305	15:34:29	15:57:30	00:23:01	100
1	199806	54453	306	15:33:54	15:58:05	00:24:12	100

Shadow Flicker assessment for single wind turbine on land at Higher Biscovillack Farm

1	199806	54453	307	15:33:29	15:58:31	00:25:02	100
1	199806	54453	308	15:33:12	15:58:49	00:25:37	100
1	199806	54453	309	15:33:04	15:59:00	00:25:57	100
1	199806	54453	310	15:33:04	15:57:31	00:24:28	100
1	199806	54453	311	15:33:11	15:55:42	00:22:30	100
1	199806	54453	312	15:33:27	15:53:55	00:20:28	100
1	199806	54453	313	15:33:50	15:52:10	00:18:20	100
1	199806	54453	314	15:34:21	15:50:28	00:16:07	100
1	199806	54453	315	15:35:00	15:48:49	00:13:48	100
1	199806	54453	316	15:35:49	15:47:12	00:11:23	100
1	199806	54453	317	15:36:49	15:45:39	00:08:50	100
1	199806	54453	318	15:38:01	15:44:08	00:06:06	100
1	199806	54453	319	15:39:32	15:42:40	00:03:08	100

House	Easting	Northing
3	200749	55141

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
1	199806	54453	26	16:11:05	16:11:16	00:00:11	63.15
1	199806	54453	27	16:09:30	16:13:09	00:03:38	100
1	199806	54453	28	16:08:22	16:15:01	00:06:39	100
1	199806	54453	29	16:07:31	16:16:55	00:09:25	100
1	199806	54453	30	16:06:50	16:18:50	00:11:59	100
1	199806	54453	31	16:06:19	16:20:46	00:14:27	100
1	199806	54453	32	16:05:56	16:22:43	00:16:48	100
1	199806	54453	33	16:05:40	16:24:42	00:19:02	100
1	199806	54453	34	16:05:30	16:26:41	00:21:11	100
1	199806	54453	35	16:05:27	16:28:41	00:23:14	100
1	199806	54453	36	16:05:30	16:30:41	00:25:11	100
1	199806	54453	37	16:05:40	16:31:28	00:25:48	100
1	199806	54453	38	16:05:57	16:31:17	00:25:20	100
1	199806	54453	39	16:06:21	16:30:57	00:24:36	100
1	199806	54453	40	16:06:53	16:30:26	00:23:33	100
1	199806	54453	41	16:07:35	16:29:42	00:22:07	100
1	199806	54453	42	16:08:31	16:28:45	00:20:14	100
1	199806	54453	43	16:09:44	16:27:29	00:17:45	100
1	199806	54453	44	16:11:25	16:25:43	00:14:18	100
1	199806	54453	45	16:14:06	16:22:56	00:08:51	36.72
1	199806	54453	299	15:45:13	15:51:31	00:06:18	18.23
1	199806	54453	300	15:41:47	15:54:47	00:13:00	81.96
1	199806	54453	301	15:39:49	15:56:38	00:16:49	100
1	199806	54453	302	15:38:24	15:57:55	00:19:32	100
1	199806	54453	303	15:37:20	15:58:53	00:21:33	100
1	199806	54453	304	15:36:32	15:59:39	00:23:07	100
1	199806	54453	305	15:35:57	16:00:13	00:24:16	100

1	199806	54453	306	15:35:32	16:00:38	00:25:06	100
1	199806	54453	307	15:35:15	16:00:54	00:25:40	100
1	199806	54453	308	15:35:06	16:01:01	00:25:55	100
1	199806	54453	309	15:35:06	15:59:07	00:24:01	100
1	199806	54453	310	15:35:14	15:57:16	00:22:02	100
1	199806	54453	311	15:35:30	15:55:28	00:19:58	100
1	199806	54453	312	15:35:54	15:53:42	00:17:48	100
1	199806	54453	313	15:36:26	15:51:58	00:15:32	100
1	199806	54453	314	15:37:07	15:50:17	00:13:10	100
1	199806	54453	315	15:37:59	15:48:39	00:10:41	100
1	199806	54453	316	15:39:02	15:47:04	00:08:02	100
1	199806	54453	317	15:40:19	15:45:31	00:05:12	100
1	199806	54453	318	15:41:58	15:44:01	00:02:03	87.58

House	Easting	Northing
4	200810	55047

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
1	199806	54453	37	16:30:32	16:33:30	00:02:58	84.57
1	199806	54453	38	16:28:48	16:35:22	00:06:34	100
1	199806	54453	39	16:27:33	16:37:14	00:09:41	100
1	199806	54453	40	16:26:35	16:39:07	00:12:32	100
1	199806	54453	41	16:25:50	16:41:01	00:15:10	100
1	199806	54453	42	16:25:16	16:42:55	00:17:38	100
1	199806	54453	43	16:24:52	16:44:49	00:19:57	100
1	199806	54453	44	16:24:36	16:46:44	00:22:08	100
1	199806	54453	45	16:24:29	16:48:39	00:24:10	100
1	199806	54453	46	16:24:30	16:50:02	00:25:32	100
1	199806	54453	47	16:24:40	16:49:45	00:25:04	100
1	199806	54453	48	16:24:58	16:49:16	00:24:18	100
1	199806	54453	49	16:25:27	16:48:35	00:23:08	100
1	199806	54453	50	16:26:08	16:47:40	00:21:31	100
1	199806	54453	51	16:27:06	16:46:28	00:19:22	100
1	199806	54453	52	16:28:27	16:44:52	00:16:25	100
1	199806	54453	53	16:30:29	16:42:34	00:12:05	72.05
1	199806	54453	54	16:35:15	16:37:29	00:02:14	2.33
1	199806	54453	291	16:02:38	16:13:51	00:11:13	60.98
1	199806	54453	292	16:00:09	16:15:58	00:15:49	100
1	199806	54453	293	15:58:27	16:17:21	00:18:54	100
1	199806	54453	294	15:57:10	16:18:19	00:21:09	100
1	199806	54453	295	15:56:11	16:19:02	00:22:51	100
1	199806	54453	296	15:55:27	16:19:32	00:24:05	100
1	199806	54453	297	15:54:54	16:19:50	00:24:56	100
1	199806	54453	298	15:54:32	16:19:59	00:25:27	100
1	199806	54453	299	15:54:19	16:18:58	00:24:39	100

Shadow Flicker assessment for single wind turbine on land at Higher Biscovillack Farm

1	199806	54453	300	15:54:16	16:16:57	00:22:41	100
1	199806	54453	301	15:54:22	16:14:57	00:20:35	100
1	199806	54453	302	15:54:39	16:12:59	00:18:21	100
1	199806	54453	303	15:55:05	16:11:04	00:15:58	100
1	199806	54453	304	15:55:44	16:09:10	00:13:26	100
1	199806	54453	305	15:56:36	16:07:18	00:10:42	100
1	199806	54453	306	15:57:45	16:05:28	00:07:43	100
1	199806	54453	307	15:59:18	16:03:40	00:04:22	100
1	199806	54453	308	16:01:35	16:01:53	00:00:18	47.35

House	Easting	Northing
5	200824	55023

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
1	199806	54453	39	16:36:31	16:36:47	00:00:16	50.13
1	199806	54453	40	16:34:14	16:38:39	00:04:26	100
1	199806	54453	41	16:32:40	16:40:31	00:07:51	100
1	199806	54453	42	16:31:31	16:42:24	00:10:53	100
1	199806	54453	43	16:30:37	16:44:17	00:13:40	100
1	199806	54453	44	16:29:55	16:46:10	00:16:14	100
1	199806	54453	45	16:29:25	16:48:03	00:18:39	100
1	199806	54453	46	16:29:03	16:49:57	00:20:54	100
1	199806	54453	47	16:28:51	16:51:51	00:23:00	100
1	199806	54453	48	16:28:48	16:53:46	00:24:58	100
1	199806	54453	49	16:28:54	16:54:03	00:25:10	100
1	199806	54453	50	16:29:08	16:53:36	00:24:29	100
1	199806	54453	51	16:29:32	16:52:57	00:23:25	100
1	199806	54453	52	16:30:09	16:52:04	00:21:55	100
1	199806	54453	53	16:31:02	16:50:54	00:19:52	100
1	199806	54453	54	16:32:17	16:49:22	00:17:05	100
1	199806	54453	55	16:34:07	16:47:12	00:13:05	85.9
1	199806	54453	56	16:37:39	16:43:21	00:05:42	15.31
1	199806	54453	288	16:11:13	16:15:19	00:04:06	7.83
1	199806	54453	289	16:06:50	16:19:18	00:12:29	76.97
1	199806	54453	290	16:04:33	16:21:11	00:16:39	100
1	199806	54453	291	16:02:55	16:22:26	00:19:31	100
1	199806	54453	292	16:01:42	16:23:19	00:21:38	100
1	199806	54453	293	16:00:45	16:23:57	00:23:12	100
1	199806	54453	294	16:00:03	16:24:22	00:24:19	100
1	199806	54453	295	15:59:32	16:24:36	00:25:04	100
1	199806	54453	296	15:59:11	16:24:32	00:25:21	100
1	199806	54453	297	15:58:59	16:22:27	00:23:27	100
1	199806	54453	298	15:58:59	16:20:24	00:21:25	100
1	199806	54453	299	15:59:08	16:18:23	00:19:14	100
1	199806	54453	300	15:59:28	16:16:23	00:16:55	100

1	199806	54453	301	15:59:59	16:14:24	00:14:25	100
1	199806	54453	302	16:00:43	16:12:28	00:11:45	100
1	199806	54453	303	16:01:43	16:10:34	00:08:50	100
1	199806	54453	304	16:03:05	16:08:41	00:05:36	100
1	199806	54453	305	16:05:01	16:06:51	00:01:49	69.9

House	Easting	Northing
6	200789	55028

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
1	199806	54453	39	16:29:11	16:32:07	00:02:56	100
1	199806	54453	40	16:27:49	16:33:59	00:06:11	100
1	199806	54453	41	16:26:46	16:35:52	00:09:06	100
1	199806	54453	42	16:25:57	16:37:45	00:11:48	100
1	199806	54453	43	16:25:19	16:39:39	00:14:19	100
1	199806	54453	44	16:24:52	16:41:32	00:16:41	100
1	199806	54453	45	16:24:33	16:43:27	00:18:54	100
1	199806	54453	46	16:24:22	16:45:21	00:20:59	100
1	199806	54453	47	16:24:21	16:47:16	00:22:55	100
1	199806	54453	48	16:24:28	16:49:11	00:24:43	100
1	199806	54453	49	16:24:42	16:49:45	00:25:02	100
1	199806	54453	50	16:25:07	16:49:06	00:23:59	100
1	199806	54453	51	16:25:44	16:48:14	00:22:30	100
1	199806	54453	52	16:26:36	16:47:06	00:20:30	100
1	199806	54453	53	16:27:48	16:45:38	00:17:50	100
1	199806	54453	54	16:29:33	16:43:36	00:14:03	97.5
1	199806	54453	55	16:32:35	16:40:15	00:07:40	27.33
1	199806	54453	289	16:05:39	16:11:59	00:06:20	18.41
1	199806	54453	290	16:01:56	16:15:19	00:13:23	87.16
1	199806	54453	291	15:59:46	16:17:06	00:17:21	100
1	199806	54453	292	15:58:12	16:18:19	00:20:07	100
1	199806	54453	293	15:57:00	16:19:12	00:22:12	100
1	199806	54453	294	15:56:05	16:19:50	00:23:45	100
1	199806	54453	295	15:55:23	16:20:15	00:24:52	100
1	199806	54453	296	15:54:53	16:19:58	00:25:05	100
1	199806	54453	297	15:54:32	16:17:53	00:23:21	100
1	199806	54453	298	15:54:21	16:15:49	00:21:28	100
1	199806	54453	299	15:54:19	16:13:47	00:19:28	100
1	199806	54453	300	15:54:28	16:11:46	00:17:19	100
1	199806	54453	301	15:54:46	16:09:47	00:15:02	100
1	199806	54453	302	15:55:15	16:07:50	00:12:36	100
1	199806	54453	303	15:55:56	16:05:55	00:09:59	100
1	199806	54453	304	15:56:51	16:04:02	00:07:11	100
1	199806	54453	305	15:58:05	16:02:11	00:04:06	100
1	199806	54453	306	15:59:45	16:00:22	00:00:37	94.92

House	Easting	Northing
7	200803	55000

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
1	199806	54453	42	16:34:11	16:36:45	00:02:34	100
1	199806	54453	43	16:32:45	16:38:36	00:05:51	100
1	199806	54453	44	16:31:40	16:40:27	00:08:48	100
1	199806	54453	45	16:30:49	16:42:19	00:11:30	100
1	199806	54453	46	16:30:10	16:44:11	00:14:01	100
1	199806	54453	47	16:29:41	16:46:03	00:16:22	100
1	199806	54453	48	16:29:21	16:47:55	00:18:34	100
1	199806	54453	49	16:29:11	16:49:48	00:20:37	100
1	199806	54453	50	16:29:09	16:51:40	00:22:31	100
1	199806	54453	51	16:29:17	16:53:33	00:24:16	100
1	199806	54453	52	16:29:33	16:54:15	00:24:42	100
1	199806	54453	53	16:30:01	16:53:31	00:23:30	100
1	199806	54453	54	16:30:41	16:52:31	00:21:50	100
1	199806	54453	55	16:31:39	16:51:14	00:19:35	100
1	199806	54453	56	16:33:01	16:49:32	00:16:31	100
1	199806	54453	57	16:35:07	16:47:06	00:11:59	69.59
1	199806	54453	287	16:08:32	16:19:59	00:11:28	62.78
1	199806	54453	288	16:05:59	16:22:07	00:16:08	100
1	199806	54453	289	16:04:12	16:23:29	00:19:17	100
1	199806	54453	290	16:02:51	16:24:26	00:21:34	100
1	199806	54453	291	16:01:49	16:25:07	00:23:18	100
1	199806	54453	292	16:01:02	16:25:34	00:24:33	100
1	199806	54453	293	16:00:26	16:24:59	00:24:33	100
1	199806	54453	294	16:00:01	16:22:52	00:22:51	100
1	199806	54453	295	15:59:46	16:20:46	00:21:01	100
1	199806	54453	296	15:59:41	16:18:42	00:19:02	100
1	199806	54453	297	15:59:45	16:16:39	00:16:54	100
1	199806	54453	298	16:00:01	16:14:38	00:14:37	100
1	199806	54453	299	16:00:27	16:12:38	00:12:11	100
1	199806	54453	300	16:01:06	16:10:41	00:09:34	100
1	199806	54453	301	16:02:00	16:08:44	00:06:44	100
1	199806	54453	302	16:03:13	16:06:50	00:03:37	100
1	199806	54453	303	16:04:55	16:04:56	00:00:01	93.45

House	Easting	Northing
8	200808	54973

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
1	199806	54453	44	16:39:03	16:39:25	00:00:23	100
1	199806	54453	45	16:37:20	16:41:15	00:03:55	100
1	199806	54453	46	16:36:04	16:43:06	00:07:02	100

1	199806	54453	47	16:35:05	16:44:57	00:09:52	100
1	199806	54453	48	16:34:19	16:46:48	00:12:29	100
1	199806	54453	49	16:33:44	16:48:39	00:14:55	100
1	199806	54453	50	16:33:19	16:50:31	00:17:11	100
1	199806	54453	51	16:33:04	16:52:22	00:19:18	100
1	199806	54453	52	16:32:58	16:54:14	00:21:16	100
1	199806	54453	53	16:33:02	16:56:06	00:23:04	100
1	199806	54453	54	16:33:14	16:57:58	00:24:44	100
1	199806	54453	55	16:33:37	16:57:36	00:23:59	100
1	199806	54453	56	16:34:13	16:56:39	00:22:26	100
1	199806	54453	57	16:35:05	16:55:25	00:20:21	100
1	199806	54453	58	16:36:19	16:53:49	00:17:30	100
1	199806	54453	59	16:38:10	16:51:36	00:13:26	88.61
1	199806	54453	60	16:41:41	16:47:40	00:05:59	16.56
1	199806	54453	284	16:16:23	16:21:51	00:05:27	13.63
1	199806	54453	285	16:12:17	16:25:27	00:13:10	84.1
1	199806	54453	286	16:09:59	16:27:16	00:17:17	100
1	199806	54453	287	16:08:20	16:28:29	00:20:09	100
1	199806	54453	288	16:07:04	16:29:20	00:22:16	100
1	199806	54453	289	16:06:04	16:29:55	00:23:51	100
1	199806	54453	290	16:05:19	16:30:14	00:24:55	100
1	199806	54453	291	16:04:46	16:28:04	00:23:18	100
1	199806	54453	292	16:04:22	16:25:56	00:21:33	100
1	199806	54453	293	16:04:09	16:23:48	00:19:39	100
1	199806	54453	294	16:04:06	16:21:42	00:17:36	100
1	199806	54453	295	16:04:14	16:19:38	00:15:24	100
1	199806	54453	296	16:04:32	16:17:35	00:13:02	100
1	199806	54453	297	16:05:03	16:15:33	00:10:30	100
1	199806	54453	298	16:05:47	16:13:33	00:07:46	100
1	199806	54453	299	16:06:49	16:11:35	00:04:46	100
1	199806	54453	300	16:08:13	16:09:38	00:01:25	100

House	Easting	Northing
9	200847	54984

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
1	199806	54453	44	16:41:32	16:44:59	00:03:27	100
1	199806	54453	45	16:39:49	16:46:49	00:07:00	100
1	199806	54453	46	16:38:32	16:48:39	00:10:08	100
1	199806	54453	47	16:37:33	16:50:30	00:12:57	100
1	199806	54453	48	16:36:48	16:52:21	00:15:33	100
1	199806	54453	49	16:36:14	16:54:12	00:17:58	100
1	199806	54453	50	16:35:51	16:56:04	00:20:13	100
1	199806	54453	51	16:35:37	16:57:55	00:22:18	100
1	199806	54453	52	16:35:33	16:59:47	00:24:14	100

1	199806	54453	53	16:35:38	17:00:31	00:24:52	100
1	199806	54453	54	16:35:53	16:59:58	00:24:05	100
1	199806	54453	55	16:36:19	16:59:12	00:22:53	100
1	199806	54453	56	16:36:59	16:58:11	00:21:11	100
1	199806	54453	57	16:37:58	16:56:51	00:18:53	100
1	199806	54453	58	16:39:23	16:55:04	00:15:42	100
1	199806	54453	59	16:41:37	16:52:27	00:10:50	57.91
1	199806	54453	285	16:15:47	16:26:17	00:10:30	53.84
1	199806	54453	286	16:13:04	16:28:31	00:15:27	100
1	199806	54453	287	16:11:14	16:29:54	00:18:40	100
1	199806	54453	288	16:09:51	16:30:51	00:21:00	100
1	199806	54453	289	16:08:47	16:31:31	00:22:44	100
1	199806	54453	290	16:07:58	16:31:57	00:23:59	100
1	199806	54453	291	16:07:23	16:32:11	00:24:48	100
1	199806	54453	292	16:06:57	16:31:27	00:24:30	100
1	199806	54453	293	16:06:42	16:29:20	00:22:38	100
1	199806	54453	294	16:06:38	16:27:14	00:20:37	100
1	199806	54453	295	16:06:44	16:25:10	00:18:26	100
1	199806	54453	296	16:07:02	16:23:07	00:16:05	100
1	199806	54453	297	16:07:32	16:21:06	00:13:34	100
1	199806	54453	298	16:08:15	16:19:06	00:10:50	100
1	199806	54453	299	16:09:17	16:17:08	00:07:51	100
1	199806	54453	300	16:10:43	16:15:11	00:04:28	100
1	199806	54453	301	16:12:52	16:13:15	00:00:23	56.81

House	Easting	Northing
10	200908	54785

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
1	199806	54453	62	17:09:51	17:10:18	00:00:27	100
1	199806	54453	63	17:08:16	17:12:38	00:04:22	100
1	199806	54453	64	17:07:03	17:14:58	00:07:54	100
1	199806	54453	65	17:06:07	17:17:17	00:11:10	100
1	199806	54453	66	17:05:25	17:19:37	00:14:12	100
1	199806	54453	67	17:04:54	17:21:56	00:17:02	100
1	199806	54453	68	17:04:35	17:24:15	00:19:40	100
1	199806	54453	69	17:04:28	17:26:34	00:22:07	100
1	199806	54453	70	17:04:30	17:28:49	00:24:18	100
1	199806	54453	71	17:04:45	17:28:11	00:23:26	100
1	199806	54453	72	17:05:15	17:27:07	00:21:52	100
1	199806	54453	73	17:06:03	17:25:43	00:19:40	100
1	199806	54453	74	17:07:16	17:23:56	00:16:40	100
1	199806	54453	75	17:09:13	17:21:25	00:12:11	74.41
1	199806	54453	268	16:55:17	17:01:30	00:06:13	18.31
1	199806	54453	269	16:51:20	17:04:46	00:13:27	91.15

1	199806	54453	270	16:48:59	17:06:25	00:17:26	100
1	199806	54453	271	16:47:17	17:07:28	00:20:11	100
1	199806	54453	272	16:45:57	17:08:10	00:22:13	100
1	199806	54453	273	16:44:55	17:08:34	00:23:40	100
1	199806	54453	274	16:44:07	17:08:08	00:24:01	100
1	199806	54453	275	16:43:31	17:05:17	00:21:46	100
1	199806	54453	276	16:43:06	17:02:26	00:19:21	100
1	199806	54453	277	16:42:52	16:59:36	00:16:45	100
1	199806	54453	278	16:42:50	16:56:47	00:13:57	100
1	199806	54453	279	16:43:01	16:53:58	00:10:57	100
1	199806	54453	280	16:43:26	16:51:10	00:07:44	100
1	199806	54453	281	16:44:09	16:48:23	00:04:14	100
1	199806	54453	282	16:45:14	16:45:37	00:00:23	100

House	Easting	Northing
11	200961	54605

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
1	199806	54453	82	17:29:45	17:30:07	00:00:22	100
1	199806	54453	83	17:29:32	17:31:59	00:02:28	100
1	199806	54453	84	17:29:28	17:33:52	00:04:23	100
1	199806	54453	85	17:29:38	17:35:44	00:06:06	100
1	199806	54453	86	17:30:01	17:37:35	00:07:34	100
1	199806	54453	87	17:30:42	17:39:26	00:08:44	100
1	199806	54453	88	17:31:46	17:41:17	00:09:31	100
1	199806	54453	89	17:33:27	17:43:08	00:09:41	90.71
1	199806	54453	90	17:36:45	17:42:54	00:06:09	18.04
1	199806	54453	254	17:27:03	17:36:23	00:09:19	54.08
1	199806	54453	255	17:24:13	17:33:55	00:09:42	100
1	199806	54453	256	17:22:15	17:31:28	00:09:13	100
1	199806	54453	257	17:20:44	17:28:59	00:08:16	100
1	199806	54453	258	17:19:32	17:26:31	00:06:59	100
1	199806	54453	259	17:18:36	17:24:02	00:05:27	100
1	199806	54453	260	17:17:53	17:21:33	00:03:41	100
1	199806	54453	261	17:17:21	17:19:04	00:01:44	100

House	Easting	Northing
12	200966	54578

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
1	199806	54453	85	17:33:06	17:33:52	00:00:47	100
1	199806	54453	86	17:33:01	17:35:46	00:02:45	100
1	199806	54453	87	17:33:09	17:37:39	00:04:31	100
1	199806	54453	88	17:33:30	17:39:32	00:06:02	100
1	199806	54453	89	17:34:09	17:41:25	00:07:16	100

Shadow Flicker assessment for single wind turbine on land at Higher Biscovillack Farm

1	199806	54453	90	17:35:09	17:43:17	00:08:08	100
1	199806	54453	91	17:36:43	17:45:09	00:08:26	100
1	199806	54453	92	17:39:35	17:46:52	00:07:17	28.18
1	199806	54453	252	17:31:23	17:39:37	00:08:14	66.52
1	199806	54453	253	17:28:47	17:37:09	00:08:22	100
1	199806	54453	254	17:26:55	17:34:41	00:07:46	100
1	199806	54453	255	17:25:28	17:32:12	00:06:43	100
1	199806	54453	256	17:24:20	17:29:42	00:05:22	100
1	199806	54453	257	17:23:26	17:27:12	00:03:46	100
1	199806	54453	258	17:22:44	17:24:42	00:01:57	100

House	Easting	Northing
13	200970	54552

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
1	199806	54453	88	17:36:25	17:37:59	00:01:35	100
1	199806	54453	89	17:36:30	17:39:43	00:03:13	100
1	199806	54453	90	17:36:51	17:41:26	00:04:36	100
1	199806	54453	91	17:37:28	17:43:09	00:05:42	100
1	199806	54453	92	17:38:26	17:44:52	00:06:26	100
1	199806	54453	93	17:39:56	17:46:34	00:06:38	100
1	199806	54453	94	17:42:35	17:48:16	00:05:41	34.26
1	199806	54453	249	17:40:33	17:42:46	00:02:13	5.12
1	199806	54453	250	17:35:44	17:42:11	00:06:27	74.8
1	199806	54453	251	17:33:16	17:39:53	00:06:37	100
1	199806	54453	252	17:31:28	17:37:34	00:06:06	100
1	199806	54453	253	17:30:04	17:35:15	00:05:11	100
1	199806	54453	254	17:28:57	17:32:55	00:03:58	100
1	199806	54453	255	17:28:05	17:30:35	00:02:30	100
1	199806	54453	256	17:27:26	17:28:14	00:00:48	100

House	Easting	Northing
14	200971	54527

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
1	199806	54453	92	17:39:50	17:41:07	00:01:18	100
1	199806	54453	93	17:40:27	17:42:50	00:02:23	100
1	199806	54453	94	17:41:25	17:44:32	00:03:07	100
1	199806	54453	95	17:42:54	17:46:14	00:03:20	100
1	199806	54453	96	17:45:24	17:47:56	00:02:32	39.93
1	199806	54453	247	17:43:54	17:45:19	00:01:24	13.51
1	199806	54453	248	17:39:49	17:43:02	00:03:13	82.52
1	199806	54453	249	17:37:28	17:40:45	00:03:17	100
1	199806	54453	250	17:35:41	17:38:27	00:02:46	100
1	199806	54453	251	17:34:18	17:36:09	00:01:51	100

1	199806	54453	252	17:33:12	17:33:50	00:00:38	100
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House	Easting	Northing
15	200760	54409

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
1	199806	54453	88	18:08:40	18:14:51	00:06:11	31.84
1	199806	54453	89	18:04:57	18:16:12	00:11:15	100
1	199806	54453	90	18:02:34	18:17:33	00:14:59	100
1	199806	54453	91	18:00:45	18:18:55	00:18:10	100
1	199806	54453	92	17:59:18	18:20:16	00:20:57	100
1	199806	54453	93	17:58:08	18:21:37	00:23:28	100
1	199806	54453	94	17:57:11	18:22:58	00:25:46	100
1	199806	54453	95	17:56:26	18:24:18	00:27:52	100
1	199806	54453	96	17:55:51	18:25:39	00:29:48	100
1	199806	54453	97	17:55:25	18:25:46	00:30:20	100
1	199806	54453	98	17:55:09	18:25:29	00:30:20	100
1	199806	54453	99	17:55:01	18:25:04	00:30:03	100
1	199806	54453	100	17:55:02	18:24:30	00:29:29	100
1	199806	54453	101	17:55:12	18:23:47	00:28:35	100
1	199806	54453	102	17:55:32	18:22:53	00:27:21	100
1	199806	54453	103	17:56:05	18:21:48	00:25:44	100
1	199806	54453	104	17:56:51	18:20:30	00:23:38	100
1	199806	54453	105	17:57:55	18:18:55	00:20:59	100
1	199806	54453	106	17:59:25	18:16:57	00:17:32	100
1	199806	54453	107	18:01:40	18:14:14	00:12:34	62.47
1	199806	54453	236	18:05:09	18:16:26	00:11:17	49.56
1	199806	54453	237	18:02:11	18:18:51	00:16:40	100
1	199806	54453	238	18:00:05	18:20:24	00:20:20	100
1	199806	54453	239	17:58:25	18:21:30	00:23:05	100
1	199806	54453	240	17:57:02	18:22:19	00:25:16	100
1	199806	54453	241	17:55:54	18:22:53	00:26:59	100
1	199806	54453	242	17:54:57	18:23:15	00:28:18	100
1	199806	54453	243	17:54:10	18:23:26	00:29:16	100
1	199806	54453	244	17:53:31	18:23:27	00:29:55	100
1	199806	54453	245	17:53:01	18:23:19	00:30:17	100
1	199806	54453	246	17:52:38	18:23:01	00:30:23	100
1	199806	54453	247	17:52:24	18:22:35	00:30:11	100
1	199806	54453	248	17:52:18	18:20:53	00:28:35	100
1	199806	54453	249	17:52:21	18:18:56	00:26:36	100
1	199806	54453	250	17:52:35	18:16:59	00:24:25	100
1	199806	54453	251	17:52:59	18:15:02	00:22:02	100
1	199806	54453	252	17:53:39	18:13:04	00:19:25	100
1	199806	54453	253	17:54:37	18:11:06	00:16:29	100
1	199806	54453	254	17:56:01	18:09:08	00:13:06	100
1	199806	54453	255	17:58:14	18:07:09	00:08:55	66.29

House	Easting	Northing
16	200743	54393

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
1	199806	54453	90	18:09:27	18:18:03	00:08:36	59.51
1	199806	54453	91	18:06:24	18:19:24	00:12:59	100
1	199806	54453	92	18:04:16	18:20:45	00:16:29	100
1	199806	54453	93	18:02:36	18:22:05	00:19:30	100
1	199806	54453	94	18:01:15	18:23:26	00:22:11	100
1	199806	54453	95	18:00:09	18:24:47	00:24:38	100
1	199806	54453	96	17:59:16	18:26:07	00:26:51	100
1	199806	54453	97	17:58:33	18:27:27	00:28:54	100
1	199806	54453	98	17:58:00	18:28:38	00:30:38	100
1	199806	54453	99	17:57:37	18:28:30	00:30:53	100
1	199806	54453	100	17:57:22	18:28:13	00:30:51	100
1	199806	54453	101	17:57:15	18:27:47	00:30:32	100
1	199806	54453	102	17:57:17	18:27:13	00:29:57	100
1	199806	54453	103	17:57:28	18:26:30	00:29:03	100
1	199806	54453	104	17:57:49	18:25:38	00:27:49	100
1	199806	54453	105	17:58:21	18:24:34	00:26:13	100
1	199806	54453	106	17:59:07	18:23:17	00:24:10	100
1	199806	54453	107	18:00:10	18:21:46	00:21:36	100
1	199806	54453	108	18:01:36	18:19:53	00:18:17	100
1	199806	54453	109	18:03:42	18:17:20	00:13:39	72.65
1	199806	54453	110	18:07:52	18:12:44	00:04:53	8.84
1	199806	54453	234	18:07:59	18:20:40	00:12:41	61.82
1	199806	54453	235	18:05:17	18:22:52	00:17:35	100
1	199806	54453	236	18:03:17	18:24:20	00:21:03	100
1	199806	54453	237	18:01:41	18:25:23	00:23:42	100
1	199806	54453	238	18:00:22	18:26:11	00:25:49	100
1	199806	54453	239	17:59:15	18:26:45	00:27:29	100
1	199806	54453	240	17:58:19	18:27:06	00:28:47	100
1	199806	54453	241	17:57:33	18:27:18	00:29:45	100
1	199806	54453	242	17:56:55	18:27:20	00:30:25	100
1	199806	54453	243	17:56:25	18:27:13	00:30:48	100
1	199806	54453	244	17:56:02	18:26:57	00:30:55	100
1	199806	54453	245	17:55:47	18:26:32	00:30:46	100
1	199806	54453	246	17:55:40	18:25:12	00:29:32	100
1	199806	54453	247	17:55:42	18:23:17	00:27:35	100
1	199806	54453	248	17:55:53	18:21:21	00:25:28	100
1	199806	54453	249	17:56:16	18:19:25	00:23:09	100
1	199806	54453	250	17:56:52	18:17:28	00:20:36	100
1	199806	54453	251	17:57:44	18:15:31	00:17:47	100
1	199806	54453	252	17:58:59	18:13:33	00:14:35	100
1	199806	54453	253	18:00:51	18:11:36	00:10:45	90.95
1	199806	54453	254	18:04:22	18:09:37	00:05:16	20.09

House	Easting	Northing
17	200685	54129

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
1	199806	54453	119	18:56:30	19:05:16	00:08:45	27.93
1	199806	54453	120	18:53:17	19:06:38	00:13:21	84.87
1	199806	54453	121	18:51:13	19:07:53	00:16:40	100
1	199806	54453	122	18:49:39	19:09:08	00:19:29	100
1	199806	54453	123	18:48:24	19:10:23	00:21:59	100
1	199806	54453	124	18:47:22	19:11:37	00:24:14	100
1	199806	54453	125	18:46:32	19:12:51	00:26:19	100
1	199806	54453	126	18:45:51	19:14:04	00:28:13	100
1	199806	54453	127	18:45:17	19:15:17	00:29:59	100
1	199806	54453	128	18:44:51	19:15:41	00:30:51	100
1	199806	54453	129	18:44:30	19:15:58	00:31:28	100
1	199806	54453	130	18:44:15	19:16:10	00:31:55	100
1	199806	54453	131	18:44:05	19:16:17	00:32:12	100
1	199806	54453	132	18:44:00	19:16:21	00:32:20	100
1	199806	54453	133	18:44:00	19:16:21	00:32:21	100
1	199806	54453	134	18:44:04	19:16:17	00:32:13	100
1	199806	54453	135	18:44:11	19:16:11	00:31:59	100
1	199806	54453	136	18:44:22	19:16:01	00:31:39	100
1	199806	54453	137	18:44:37	19:15:49	00:31:12	100
1	199806	54453	138	18:44:56	19:15:34	00:30:38	100
1	199806	54453	139	18:45:18	19:15:15	00:29:57	100
1	199806	54453	140	18:45:44	19:14:55	00:29:10	100
1	199806	54453	141	18:46:14	19:14:31	00:28:17	100
1	199806	54453	142	18:46:47	19:14:04	00:27:17	100
1	199806	54453	143	18:47:25	19:13:35	00:26:10	100
1	199806	54453	144	18:48:06	19:13:03	00:24:57	100
1	199806	54453	145	18:48:51	19:12:29	00:23:38	100
1	199806	54453	146	18:49:41	19:11:51	00:22:10	100
1	199806	54453	147	18:50:36	19:11:09	00:20:34	100
1	199806	54453	148	18:51:36	19:10:23	00:18:47	100
1	199806	54453	149	18:52:43	19:09:30	00:16:47	100
1	199806	54453	150	18:53:59	19:08:29	00:14:30	73.01
1	199806	54453	151	18:55:29	19:07:16	00:11:47	47.2
1	199806	54453	152	18:57:24	19:05:37	00:08:14	22.59
1	199806	54453	190	19:06:39	19:11:12	00:04:34	6.84
1	199806	54453	191	19:04:19	19:13:51	00:09:32	30.45
1	199806	54453	192	19:02:52	19:15:35	00:12:43	55.24
1	199806	54453	193	19:01:44	19:16:59	00:15:16	81.18
1	199806	54453	194	19:00:47	19:18:12	00:17:26	100
1	199806	54453	195	18:59:56	19:19:17	00:19:20	100
1	199806	54453	196	18:59:12	19:20:15	00:21:03	100
1	199806	54453	197	18:58:32	19:21:08	00:22:36	100

1	199806	54453	198	18:57:55	19:21:56	00:24:01	100
1	199806	54453	199	18:57:22	19:22:40	00:25:18	100
1	199806	54453	200	18:56:51	19:23:20	00:26:29	100
1	199806	54453	201	18:56:23	19:23:57	00:27:34	100
1	199806	54453	202	18:55:58	19:24:30	00:28:31	100
1	199806	54453	203	18:55:36	19:24:59	00:29:23	100
1	199806	54453	204	18:55:16	19:25:24	00:30:08	100
1	199806	54453	205	18:54:59	19:25:45	00:30:47	100
1	199806	54453	206	18:54:44	19:26:03	00:31:19	100
1	199806	54453	207	18:54:31	19:26:16	00:31:45	100
1	199806	54453	208	18:54:22	19:26:25	00:32:04	100
1	199806	54453	209	18:54:14	19:26:30	00:32:16	100
1	199806	54453	210	18:54:09	19:26:31	00:32:22	100
1	199806	54453	211	18:54:07	19:26:27	00:32:20	100
1	199806	54453	212	18:54:08	19:26:19	00:32:10	100
1	199806	54453	213	18:54:13	19:26:05	00:31:52	100
1	199806	54453	214	18:54:22	19:25:46	00:31:24	100
1	199806	54453	215	18:54:36	19:25:21	00:30:45	100
1	199806	54453	216	18:54:54	19:24:40	00:29:47	100
1	199806	54453	217	18:55:17	19:23:18	00:28:01	100
1	199806	54453	218	18:55:48	19:21:54	00:26:07	100
1	199806	54453	219	18:56:26	19:20:29	00:24:03	100
1	199806	54453	220	18:57:14	19:19:02	00:21:48	100
1	199806	54453	221	18:58:14	19:17:34	00:19:20	100
1	199806	54453	222	18:59:33	19:16:05	00:16:32	100
1	199806	54453	223	19:01:21	19:14:34	00:13:13	82.12
1	199806	54453	224	19:04:17	19:12:48	00:08:31	26.2

House	Easting	Northing
18	200620	54045

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
1	199806	54453	132	19:17:10	19:26:21	00:09:11	28.63
1	199806	54453	133	19:14:29	19:29:04	00:14:35	74.18
1	199806	54453	134	19:12:43	19:30:40	00:17:57	100
1	199806	54453	135	19:11:22	19:31:49	00:20:26	100
1	199806	54453	136	19:10:18	19:32:57	00:22:39	100
1	199806	54453	137	19:09:26	19:34:05	00:24:39	100
1	199806	54453	138	19:08:42	19:35:12	00:26:29	100
1	199806	54453	139	19:08:07	19:36:06	00:27:59	100
1	199806	54453	140	19:07:37	19:36:45	00:29:07	100
1	199806	54453	141	19:07:13	19:37:19	00:30:06	100
1	199806	54453	142	19:06:54	19:37:49	00:30:55	100
1	199806	54453	143	19:06:39	19:38:16	00:31:37	100
1	199806	54453	144	19:06:28	19:38:41	00:32:12	100

1	199806	54453	145	19:06:21	19:39:02	00:32:41	100
1	199806	54453	146	19:06:16	19:39:21	00:33:05	100
1	199806	54453	147	19:06:14	19:39:39	00:33:24	100
1	199806	54453	148	19:06:15	19:39:54	00:33:39	100
1	199806	54453	149	19:06:18	19:40:08	00:33:50	100
1	199806	54453	150	19:06:23	19:40:21	00:33:58	100
1	199806	54453	151	19:06:30	19:40:32	00:34:02	100
1	199806	54453	152	19:06:39	19:40:43	00:34:04	100
1	199806	54453	153	19:06:49	19:40:53	00:34:04	100
1	199806	54453	154	19:06:59	19:41:02	00:34:02	100
1	199806	54453	155	19:07:12	19:41:10	00:33:58	100
1	199806	54453	156	19:07:26	19:41:18	00:33:52	100
1	199806	54453	157	19:07:39	19:41:26	00:33:46	100
1	199806	54453	158	19:07:54	19:41:34	00:33:40	100
1	199806	54453	159	19:08:09	19:41:41	00:33:32	100
1	199806	54453	160	19:08:24	19:41:49	00:33:25	100
1	199806	54453	161	19:08:40	19:41:56	00:33:17	100
1	199806	54453	162	19:08:56	19:42:04	00:33:09	100
1	199806	54453	163	19:09:12	19:42:13	00:33:01	100
1	199806	54453	164	19:09:27	19:42:21	00:32:54	100
1	199806	54453	165	19:09:43	19:42:31	00:32:47	100
1	199806	54453	166	19:09:59	19:42:40	00:32:41	100
1	199806	54453	167	19:10:14	19:42:50	00:32:36	100
1	199806	54453	168	19:10:29	19:43:01	00:32:32	100
1	199806	54453	169	19:10:44	19:43:13	00:32:29	100
1	199806	54453	170	19:10:58	19:43:25	00:32:27	100
1	199806	54453	171	19:11:12	19:43:37	00:32:26	100
1	199806	54453	172	19:11:25	19:43:51	00:32:26	100
1	199806	54453	173	19:11:37	19:44:04	00:32:27	100
1	199806	54453	174	19:11:49	19:44:19	00:32:30	100
1	199806	54453	175	19:12:00	19:44:34	00:32:34	100
1	199806	54453	176	19:12:11	19:44:49	00:32:38	100
1	199806	54453	177	19:12:21	19:45:05	00:32:44	100
1	199806	54453	178	19:12:31	19:45:20	00:32:50	100
1	199806	54453	179	19:12:40	19:45:37	00:32:57	100
1	199806	54453	180	19:12:48	19:45:53	00:33:04	100
1	199806	54453	181	19:12:57	19:46:09	00:33:12	100
1	199806	54453	182	19:13:04	19:46:24	00:33:20	100
1	199806	54453	183	19:13:12	19:46:40	00:33:28	100
1	199806	54453	184	19:13:19	19:46:55	00:33:35	100
1	199806	54453	185	19:13:27	19:47:09	00:33:43	100
1	199806	54453	186	19:13:34	19:47:23	00:33:49	100
1	199806	54453	187	19:13:41	19:47:36	00:33:55	100
1	199806	54453	188	19:13:48	19:47:48	00:33:59	100
1	199806	54453	189	19:13:56	19:47:59	00:34:03	100
1	199806	54453	190	19:14:03	19:48:08	00:34:05	100

1	199806	54453	191	19:14:12	19:48:16	00:34:04	100
1	199806	54453	192	19:14:21	19:48:22	00:34:01	100
1	199806	54453	193	19:14:30	19:48:26	00:33:56	100
1	199806	54453	194	19:14:41	19:48:28	00:33:47	100
1	199806	54453	195	19:14:53	19:48:28	00:33:35	100
1	199806	54453	196	19:15:07	19:48:26	00:33:19	100
1	199806	54453	197	19:15:22	19:48:20	00:32:59	100
1	199806	54453	198	19:15:39	19:48:12	00:32:33	100
1	199806	54453	199	19:15:58	19:48:00	00:32:03	100
1	199806	54453	200	19:16:19	19:47:45	00:31:26	100
1	199806	54453	201	19:16:43	19:47:26	00:30:42	100
1	199806	54453	202	19:17:11	19:47:02	00:29:51	100
1	199806	54453	203	19:17:42	19:46:32	00:28:50	100
1	199806	54453	204	19:18:18	19:45:57	00:27:40	100
1	199806	54453	205	19:18:59	19:45:01	00:26:02	100
1	199806	54453	206	19:19:46	19:43:58	00:24:11	100
1	199806	54453	207	19:20:43	19:42:52	00:22:10	100
1	199806	54453	208	19:21:50	19:41:45	00:19:55	100
1	199806	54453	209	19:23:14	19:40:35	00:17:22	100
1	199806	54453	210	19:25:05	19:38:44	00:13:40	64.43
1	199806	54453	211	19:28:03	19:35:38	00:07:35	19.31

House	Easting	Northing
19	200455	54216

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
1	199806	54453	119	18:51:11	18:56:57	00:05:45	17.45
1	199806	54453	120	18:46:57	18:58:12	00:11:15	74.42
1	199806	54453	121	18:44:21	18:59:27	00:15:06	100
1	199806	54453	122	18:42:24	19:00:42	00:18:18	100
1	199806	54453	123	18:40:48	19:01:56	00:21:08	100
1	199806	54453	124	18:39:29	19:03:10	00:23:41	100
1	199806	54453	125	18:38:21	19:04:24	00:26:03	100
1	199806	54453	126	18:37:24	19:05:37	00:28:14	100
1	199806	54453	127	18:36:34	19:06:50	00:30:16	100
1	199806	54453	128	18:35:51	19:08:02	00:32:11	100
1	199806	54453	129	18:35:15	19:09:14	00:33:59	100
1	199806	54453	130	18:34:44	19:10:26	00:35:41	100
1	199806	54453	131	18:34:18	19:11:36	00:37:18	100
1	199806	54453	132	18:33:57	19:12:47	00:38:49	100
1	199806	54453	133	18:33:40	19:13:56	00:40:16	100
1	199806	54453	134	18:33:27	19:15:05	00:41:38	100
1	199806	54453	135	18:33:18	19:15:59	00:42:41	100
1	199806	54453	136	18:33:12	19:16:09	00:42:56	100
1	199806	54453	137	18:33:10	19:16:16	00:43:06	100

1	199806	54453	138	18:33:10	19:16:21	00:43:11	100
1	199806	54453	139	18:33:14	19:16:24	00:43:10	100
1	199806	54453	140	18:33:20	19:16:26	00:43:06	100
1	199806	54453	141	18:33:28	19:16:26	00:42:58	100
1	199806	54453	142	18:33:38	19:16:24	00:42:46	100
1	199806	54453	143	18:33:50	19:16:21	00:42:32	100
1	199806	54453	144	18:34:04	19:16:17	00:42:14	100
1	199806	54453	145	18:34:20	19:16:12	00:41:52	100
1	199806	54453	146	18:34:38	19:16:06	00:41:29	100
1	199806	54453	147	18:34:57	19:15:59	00:41:02	100
1	199806	54453	148	18:35:18	19:15:52	00:40:34	100
1	199806	54453	149	18:35:41	19:15:44	00:40:04	100
1	199806	54453	150	18:36:04	19:15:36	00:39:32	100
1	199806	54453	151	18:36:29	19:15:28	00:38:58	100
1	199806	54453	152	18:36:55	19:15:19	00:38:24	100
1	199806	54453	153	18:37:21	19:15:10	00:37:48	100
1	199806	54453	154	18:37:48	19:15:01	00:37:12	100
1	199806	54453	155	18:38:16	19:14:52	00:36:36	100
1	199806	54453	156	18:38:44	19:14:44	00:35:59	100
1	199806	54453	157	18:39:12	19:14:36	00:35:24	100
1	199806	54453	158	18:39:40	19:14:28	00:34:48	100
1	199806	54453	159	18:40:08	19:14:22	00:34:14	100
1	199806	54453	160	18:40:36	19:14:16	00:33:41	100
1	199806	54453	161	18:41:03	19:14:12	00:33:09	100
1	199806	54453	162	18:41:29	19:14:09	00:32:40	100
1	199806	54453	163	18:41:55	19:14:07	00:32:12	100
1	199806	54453	164	18:42:20	19:14:07	00:31:47	100
1	199806	54453	165	18:42:44	19:14:08	00:31:24	100
1	199806	54453	166	18:43:06	19:14:10	00:31:04	100
1	199806	54453	167	18:43:27	19:14:14	00:30:47	100
1	199806	54453	168	18:43:47	19:14:20	00:30:33	100
1	199806	54453	169	18:44:05	19:14:28	00:30:23	100
1	199806	54453	170	18:44:21	19:14:38	00:30:17	100
1	199806	54453	171	18:44:36	19:14:50	00:30:14	100
1	199806	54453	172	18:44:49	19:15:03	00:30:14	100
1	199806	54453	173	18:44:59	19:15:19	00:30:19	100
1	199806	54453	174	18:45:09	19:15:36	00:30:27	100
1	199806	54453	175	18:45:16	19:15:55	00:30:38	100
1	199806	54453	176	18:45:22	19:16:15	00:30:53	100
1	199806	54453	177	18:45:26	19:16:37	00:31:11	100
1	199806	54453	178	18:45:29	19:17:00	00:31:32	100
1	199806	54453	179	18:45:29	19:17:25	00:31:56	100
1	199806	54453	180	18:45:29	19:17:51	00:32:22	100
1	199806	54453	181	18:45:27	19:18:17	00:32:50	100
1	199806	54453	182	18:45:24	19:18:44	00:33:20	100
1	199806	54453	183	18:45:20	19:19:12	00:33:52	100

1	199806	54453	184	18:45:15	19:19:41	00:34:26	100
1	199806	54453	185	18:45:09	19:20:10	00:35:01	100
1	199806	54453	186	18:45:02	19:20:38	00:35:36	100
1	199806	54453	187	18:44:55	19:21:07	00:36:12	100
1	199806	54453	188	18:44:47	19:21:36	00:36:48	100
1	199806	54453	189	18:44:39	19:22:04	00:37:25	100
1	199806	54453	190	18:44:31	19:22:31	00:38:00	100
1	199806	54453	191	18:44:23	19:22:58	00:38:35	100
1	199806	54453	192	18:44:15	19:23:24	00:39:09	100
1	199806	54453	193	18:44:06	19:23:48	00:39:42	100
1	199806	54453	194	18:43:59	19:24:12	00:40:13	100
1	199806	54453	195	18:43:51	19:24:34	00:40:43	100
1	199806	54453	196	18:43:44	19:24:54	00:41:11	100
1	199806	54453	197	18:43:37	19:25:13	00:41:36	100
1	199806	54453	198	18:43:32	19:25:30	00:41:59	100
1	199806	54453	199	18:43:27	19:25:46	00:42:19	100
1	199806	54453	200	18:43:23	19:25:59	00:42:36	100
1	199806	54453	201	18:43:20	19:26:10	00:42:50	100
1	199806	54453	202	18:43:18	19:26:18	00:43:00	100
1	199806	54453	203	18:43:16	19:26:24	00:43:08	100
1	199806	54453	204	18:43:16	19:26:27	00:43:11	100
1	199806	54453	205	18:43:17	19:26:28	00:43:11	100
1	199806	54453	206	18:43:20	19:26:25	00:43:05	100
1	199806	54453	207	18:43:25	19:26:19	00:42:54	100
1	199806	54453	208	18:43:32	19:26:09	00:42:38	100
1	199806	54453	209	18:43:41	19:25:03	00:41:22	100
1	199806	54453	210	18:43:52	19:23:52	00:40:00	100
1	199806	54453	211	18:44:06	19:22:40	00:38:34	100
1	199806	54453	212	18:44:24	19:21:26	00:37:03	100
1	199806	54453	213	18:44:44	19:20:11	00:35:27	100
1	199806	54453	214	18:45:09	19:18:54	00:33:45	100
1	199806	54453	215	18:45:38	19:17:35	00:31:57	100
1	199806	54453	216	18:46:11	19:16:14	00:30:03	100
1	199806	54453	217	18:46:51	19:14:52	00:28:01	100
1	199806	54453	218	18:47:38	19:13:28	00:25:51	100
1	199806	54453	219	18:48:33	19:12:03	00:23:30	100
1	199806	54453	220	18:49:39	19:10:37	00:20:58	100
1	199806	54453	221	18:50:59	19:09:09	00:18:09	100
1	199806	54453	222	18:52:41	19:07:39	00:14:58	100
1	199806	54453	223	18:54:59	19:06:09	00:11:09	72.17
1	199806	54453	224	18:58:59	19:04:37	00:05:38	16.21

House	Easting	Northing
20	200449	54232

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
1	199806	54453	117	18:47:11	18:52:18	00:05:07	20.36
1	199806	54453	118	18:42:59	18:53:34	00:10:35	78.85
1	199806	54453	119	18:40:22	18:54:50	00:14:28	100
1	199806	54453	120	18:38:23	18:56:06	00:17:43	100
1	199806	54453	121	18:36:46	18:57:21	00:20:35	100
1	199806	54453	122	18:35:24	18:58:36	00:23:12	100
1	199806	54453	123	18:34:15	18:59:51	00:25:36	100
1	199806	54453	124	18:33:16	19:01:05	00:27:50	100
1	199806	54453	125	18:32:25	19:02:19	00:29:55	100
1	199806	54453	126	18:31:41	19:03:33	00:31:53	100
1	199806	54453	127	18:31:03	19:04:46	00:33:43	100
1	199806	54453	128	18:30:31	19:05:59	00:35:28	100
1	199806	54453	129	18:30:04	19:07:11	00:37:07	100
1	199806	54453	130	18:29:42	19:08:23	00:38:40	100
1	199806	54453	131	18:29:25	19:09:34	00:40:09	100
1	199806	54453	132	18:29:11	19:10:44	00:41:33	100
1	199806	54453	133	18:29:02	19:11:54	00:42:53	100
1	199806	54453	134	18:28:56	19:12:26	00:43:30	100
1	199806	54453	135	18:28:53	19:12:31	00:43:38	100
1	199806	54453	136	18:28:53	19:12:34	00:43:40	100
1	199806	54453	137	18:28:57	19:12:34	00:43:37	100
1	199806	54453	138	18:29:03	19:12:33	00:43:30	100
1	199806	54453	139	18:29:11	19:12:30	00:43:19	100
1	199806	54453	140	18:29:22	19:12:25	00:43:03	100
1	199806	54453	141	18:29:35	19:12:19	00:42:44	100
1	199806	54453	142	18:29:50	19:12:12	00:42:22	100
1	199806	54453	143	18:30:08	19:12:03	00:41:55	100
1	199806	54453	144	18:30:27	19:11:53	00:41:26	100
1	199806	54453	145	18:30:49	19:11:42	00:40:54	100
1	199806	54453	146	18:31:12	19:11:31	00:40:19	100
1	199806	54453	147	18:31:37	19:11:18	00:39:41	100
1	199806	54453	148	18:32:03	19:11:05	00:39:02	100
1	199806	54453	149	18:32:31	19:10:51	00:38:20	100
1	199806	54453	150	18:33:00	19:10:37	00:37:37	100
1	199806	54453	151	18:33:30	19:10:23	00:36:52	100
1	199806	54453	152	18:34:02	19:10:08	00:36:06	100
1	199806	54453	153	18:34:34	19:09:53	00:35:19	100
1	199806	54453	154	18:35:06	19:09:38	00:34:32	100
1	199806	54453	155	18:35:39	19:09:24	00:33:45	100
1	199806	54453	156	18:36:13	19:09:11	00:32:58	100
1	199806	54453	157	18:36:46	19:08:58	00:32:11	100
1	199806	54453	158	18:37:20	19:08:45	00:31:25	100
1	199806	54453	159	18:37:53	19:08:34	00:30:40	100
1	199806	54453	160	18:38:26	19:08:23	00:29:57	100
1	199806	54453	161	18:38:59	19:08:13	00:29:15	100

1	199806	54453	162	18:39:30	19:08:05	00:28:35	100
1	199806	54453	163	18:40:01	19:07:58	00:27:58	100
1	199806	54453	164	18:40:30	19:07:53	00:27:24	100
1	199806	54453	165	18:40:57	19:07:50	00:26:53	100
1	199806	54453	166	18:41:24	19:07:49	00:26:26	100
1	199806	54453	167	18:41:48	19:07:50	00:26:03	100
1	199806	54453	168	18:42:10	19:07:54	00:25:44	100
1	199806	54453	169	18:42:30	19:07:59	00:25:30	100
1	199806	54453	170	18:42:47	19:08:08	00:25:21	100
1	199806	54453	171	18:43:03	19:08:19	00:25:17	100
1	199806	54453	172	18:43:15	19:08:33	00:25:17	100
1	199806	54453	173	18:43:26	19:08:49	00:25:23	100
1	199806	54453	174	18:43:33	19:09:08	00:25:34	100
1	199806	54453	175	18:43:39	19:09:29	00:25:50	100
1	199806	54453	176	18:43:42	19:09:52	00:26:10	100
1	199806	54453	177	18:43:42	19:10:17	00:26:35	100
1	199806	54453	178	18:43:41	19:10:45	00:27:04	100
1	199806	54453	179	18:43:38	19:11:13	00:27:36	100
1	199806	54453	180	18:43:33	19:11:44	00:28:11	100
1	199806	54453	181	18:43:26	19:12:15	00:28:49	100
1	199806	54453	182	18:43:18	19:12:47	00:29:29	100
1	199806	54453	183	18:43:09	19:13:20	00:30:12	100
1	199806	54453	184	18:42:58	19:13:54	00:30:56	100
1	199806	54453	185	18:42:47	19:14:28	00:31:41	100
1	199806	54453	186	18:42:35	19:15:02	00:32:27	100
1	199806	54453	187	18:42:22	19:15:36	00:33:14	100
1	199806	54453	188	18:42:09	19:16:10	00:34:01	100
1	199806	54453	189	18:41:56	19:16:43	00:34:48	100
1	199806	54453	190	18:41:42	19:17:17	00:35:35	100
1	199806	54453	191	18:41:28	19:17:49	00:36:21	100
1	199806	54453	192	18:41:14	19:18:21	00:37:06	100
1	199806	54453	193	18:41:01	19:18:51	00:37:50	100
1	199806	54453	194	18:40:48	19:19:20	00:38:33	100
1	199806	54453	195	18:40:35	19:19:48	00:39:14	100
1	199806	54453	196	18:40:22	19:20:15	00:39:53	100
1	199806	54453	197	18:40:10	19:20:39	00:40:29	100
1	199806	54453	198	18:39:59	19:21:02	00:41:03	100
1	199806	54453	199	18:39:49	19:21:23	00:41:34	100
1	199806	54453	200	18:39:39	19:21:42	00:42:03	100
1	199806	54453	201	18:39:31	19:21:59	00:42:28	100
1	199806	54453	202	18:39:23	19:22:13	00:42:50	100
1	199806	54453	203	18:39:17	19:22:25	00:43:08	100
1	199806	54453	204	18:39:12	19:22:34	00:43:22	100
1	199806	54453	205	18:39:09	19:22:41	00:43:32	100
1	199806	54453	206	18:39:06	19:22:45	00:43:39	100
1	199806	54453	207	18:39:05	19:22:45	00:43:41	100

1	199806	54453	208	18:39:05	19:22:43	00:43:38	100
1	199806	54453	209	18:39:08	19:22:37	00:43:29	100
1	199806	54453	210	18:39:12	19:21:51	00:42:38	100
1	199806	54453	211	18:39:19	19:20:38	00:41:19	100
1	199806	54453	212	18:39:29	19:19:24	00:39:55	100
1	199806	54453	213	18:39:41	19:18:08	00:38:27	100
1	199806	54453	214	18:39:57	19:16:51	00:36:54	100
1	199806	54453	215	18:40:16	19:15:31	00:35:15	100
1	199806	54453	216	18:40:39	19:14:11	00:33:31	100
1	199806	54453	217	18:41:07	19:12:48	00:31:41	100
1	199806	54453	218	18:41:40	19:11:24	00:29:45	100
1	199806	54453	219	18:42:18	19:09:59	00:27:41	100
1	199806	54453	220	18:43:04	19:08:32	00:25:28	100
1	199806	54453	221	18:43:58	19:07:03	00:23:05	100
1	199806	54453	222	18:45:03	19:05:34	00:20:30	100
1	199806	54453	223	18:46:23	19:04:03	00:17:40	100
1	199806	54453	224	18:48:04	19:02:30	00:14:26	100
1	199806	54453	225	18:50:20	19:00:56	00:10:37	78.28
1	199806	54453	226	18:54:07	18:59:22	00:05:14	20.88

House	Easting	Northing
21	200303	54209

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
1	199806	54453	131	19:09:12	19:12:28	00:03:16	2.25
1	199806	54453	132	19:03:19	19:13:45	00:10:27	48.85
1	199806	54453	133	19:00:29	19:14:56	00:14:27	94.47
1	199806	54453	134	18:58:25	19:16:05	00:17:41	100
1	199806	54453	135	18:56:45	19:17:15	00:20:30	100
1	199806	54453	136	18:55:22	19:18:23	00:23:01	100
1	199806	54453	137	18:54:12	19:19:31	00:25:19	100
1	199806	54453	138	18:53:11	19:20:38	00:27:27	100
1	199806	54453	139	18:52:19	19:21:44	00:29:25	100
1	199806	54453	140	18:51:33	19:22:49	00:31:16	100
1	199806	54453	141	18:50:53	19:23:53	00:33:01	100
1	199806	54453	142	18:50:18	19:24:57	00:34:39	100
1	199806	54453	143	18:49:48	19:25:59	00:36:12	100
1	199806	54453	144	18:49:21	19:27:00	00:37:39	100
1	199806	54453	145	18:48:59	19:28:01	00:39:02	100
1	199806	54453	146	18:48:40	19:28:59	00:40:20	100
1	199806	54453	147	18:48:24	19:29:57	00:41:34	100
1	199806	54453	148	18:48:11	19:30:54	00:42:44	100
1	199806	54453	149	18:47:59	19:31:49	00:43:49	100
1	199806	54453	150	18:47:51	19:32:43	00:44:52	100
1	199806	54453	151	18:47:45	19:33:36	00:45:50	100

1	199806	54453	152	18:47:41	19:34:26	00:46:46	100
1	199806	54453	153	18:47:38	19:35:16	00:47:37	100
1	199806	54453	154	18:47:38	19:33:46	00:46:08	100
1	199806	54453	155	18:47:38	19:32:53	00:45:15	100
1	199806	54453	156	18:47:41	19:33:38	00:45:57	100
1	199806	54453	157	18:47:44	19:34:21	00:46:37	100
1	199806	54453	158	18:47:49	19:35:02	00:47:13	100
1	199806	54453	159	18:47:54	19:35:41	00:47:47	100
1	199806	54453	160	18:48:01	19:36:18	00:48:17	100
1	199806	54453	161	18:48:09	19:36:54	00:48:45	100
1	199806	54453	162	18:48:17	19:37:27	00:49:10	100
1	199806	54453	163	18:48:26	19:37:59	00:49:33	100
1	199806	54453	164	18:48:36	19:38:24	00:49:48	100
1	199806	54453	165	18:48:46	19:38:39	00:49:53	100
1	199806	54453	166	18:48:57	19:38:54	00:49:57	100
1	199806	54453	167	18:49:08	19:39:09	00:50:01	100
1	199806	54453	168	18:49:20	19:39:23	00:50:03	100
1	199806	54453	169	18:49:32	19:39:38	00:50:05	100
1	199806	54453	170	18:49:45	19:39:51	00:50:06	100
1	199806	54453	171	18:49:58	19:40:05	00:50:07	100
1	199806	54453	172	18:50:11	19:40:18	00:50:07	100
1	199806	54453	173	18:50:25	19:40:30	00:50:06	100
1	199806	54453	174	18:50:38	19:40:43	00:50:04	100
1	199806	54453	175	18:50:52	19:40:55	00:50:02	100
1	199806	54453	176	18:51:06	19:41:06	00:49:59	100
1	199806	54453	177	18:51:21	19:41:17	00:49:56	100
1	199806	54453	178	18:51:35	19:41:27	00:49:51	100
1	199806	54453	179	18:51:50	19:41:35	00:49:45	100
1	199806	54453	180	18:52:05	19:41:29	00:49:24	100
1	199806	54453	181	18:52:20	19:41:21	00:49:01	100
1	199806	54453	182	18:52:36	19:41:11	00:48:35	100
1	199806	54453	183	18:52:52	19:40:58	00:48:06	100
1	199806	54453	184	18:53:08	19:40:42	00:47:34	100
1	199806	54453	185	18:53:25	19:40:24	00:46:59	100
1	199806	54453	186	18:53:42	19:40:04	00:46:22	100
1	199806	54453	187	18:53:59	19:39:42	00:45:42	100
1	199806	54453	188	18:54:18	19:39:17	00:44:59	100
1	199806	54453	189	18:54:37	19:40:28	00:45:51	100
1	199806	54453	190	18:54:57	19:42:16	00:47:20	100
1	199806	54453	191	18:55:18	19:41:45	00:46:27	100
1	199806	54453	192	18:55:39	19:41:10	00:45:31	100
1	199806	54453	193	18:56:02	19:40:34	00:44:32	100
1	199806	54453	194	18:56:27	19:39:55	00:43:29	100
1	199806	54453	195	18:56:52	19:39:14	00:42:22	100
1	199806	54453	196	18:57:20	19:38:31	00:41:12	100
1	199806	54453	197	18:57:49	19:37:46	00:39:57	100

Shadow Flicker assessment for single wind turbine on land at Higher Biscovillack Farm

1	199806	54453	198	18:58:20	19:36:59	00:38:38	100
1	199806	54453	199	18:58:54	19:36:09	00:37:15	100
1	199806	54453	200	18:59:30	19:35:17	00:35:47	100
1	199806	54453	201	19:00:10	19:34:24	00:34:14	100
1	199806	54453	202	19:00:53	19:33:28	00:32:35	100
1	199806	54453	203	19:01:40	19:32:30	00:30:50	100
1	199806	54453	204	19:02:32	19:31:30	00:28:58	100
1	199806	54453	205	19:03:30	19:30:29	00:26:58	100
1	199806	54453	206	19:04:35	19:29:25	00:24:50	100
1	199806	54453	207	19:05:49	19:28:19	00:22:30	100
1	199806	54453	208	19:07:15	19:27:12	00:19:57	100
1	199806	54453	209	19:08:57	19:26:03	00:17:06	100
1	199806	54453	210	19:11:05	19:24:51	00:13:47	85.27
1	199806	54453	211	19:14:03	19:23:39	00:09:35	40.08

House	Easting	Northing
22	200277	53941

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
There are no shadows cast on this window.							

House	Easting	Northing
23	200277	53966

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
There are no shadows cast on this window.							

House	Easting	Northing
24	200238	53567

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
There are no shadows cast on this window.							

House	Easting	Northing
25	200168	54058

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
There are no shadows cast on this window.							

House	Easting	Northing
26	199737	53310

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
There are no shadows cast on this window.							

House	Easting	Northing
27	199692	53296

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
There are no shadows cast on this window.							

House	Easting	Northing
28	199745	53352

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
There are no shadows cast on this window.							

House	Easting	Northing
29	199642	53435

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
There are no shadows cast on this window.							

House	Easting	Northing
30	199603	53525

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
There are no shadows cast on this window.							

House	Easting	Northing
31	199706	53664

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
There are no shadows cast on this window.							

House	Easting	Northing
32	199561	53670

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
There are no shadows cast on this window.							

House	Easting	Northing
33	199991	53923

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
There are no shadows cast on this window.							

House	Easting	Northing
34	199585	54061

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
There are no shadows cast on this window.							

House	Easting	Northing
35	199569	54084

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
There are no shadows cast on this window.							

House	Easting	Northing
36	199178	53837

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
There are no shadows cast on this window.							

House	Easting	Northing
37	199112	54147

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
1	199806	54453	128	05:22:59	05:25:15	00:02:17	1.48
1	199806	54453	129	05:17:25	05:30:39	00:13:14	51.35
1	199806	54453	130	05:14:51	05:33:05	00:18:14	100
1	199806	54453	131	05:12:58	05:34:51	00:21:53	100
1	199806	54453	132	05:11:28	05:36:15	00:24:47	100
1	199806	54453	133	05:10:12	05:37:24	00:27:13	100
1	199806	54453	134	05:09:08	05:38:23	00:29:15	100
1	199806	54453	135	05:08:14	05:39:15	00:31:01	100
1	199806	54453	136	05:07:28	05:40:01	00:32:33	100
1	199806	54453	137	05:06:49	05:40:41	00:33:52	100
1	199806	54453	138	05:06:16	05:41:16	00:35:01	100
1	199806	54453	139	05:05:48	05:41:48	00:35:59	100
1	199806	54453	140	05:05:25	05:42:16	00:36:51	100
1	199806	54453	141	05:05:06	05:42:41	00:37:35	100
1	199806	54453	142	05:04:51	05:43:04	00:38:12	100
1	199806	54453	143	05:04:40	05:43:24	00:38:43	100
1	199806	54453	144	05:04:32	05:43:42	00:39:10	100
1	199806	54453	145	05:04:27	05:43:58	00:39:31	100
1	199806	54453	146	05:04:25	05:44:13	00:39:48	100
1	199806	54453	147	05:04:25	05:44:26	00:40:01	100
1	199806	54453	148	05:04:28	05:44:38	00:40:10	100
1	199806	54453	149	05:04:32	05:44:49	00:40:17	100
1	199806	54453	150	05:04:39	05:44:59	00:40:20	100
1	199806	54453	151	05:04:47	05:45:09	00:40:21	100
1	199806	54453	152	05:04:57	05:45:17	00:40:20	100
1	199806	54453	153	05:05:08	05:45:25	00:40:17	100
1	199806	54453	154	05:05:20	05:45:33	00:40:12	100
1	199806	54453	155	05:05:34	05:45:40	00:40:06	100
1	199806	54453	156	05:05:48	05:45:47	00:39:59	100
1	199806	54453	157	05:06:03	05:45:54	00:39:51	100
1	199806	54453	158	05:06:19	05:46:01	00:39:42	100
1	199806	54453	159	05:06:35	05:46:08	00:39:33	100
1	199806	54453	160	05:06:52	05:46:15	00:39:23	100
1	199806	54453	161	05:07:09	05:46:22	00:39:14	100
1	199806	54453	162	05:07:26	05:46:30	00:39:04	100
1	199806	54453	163	05:07:43	05:46:38	00:38:55	100
1	199806	54453	164	05:07:59	05:46:46	00:38:47	100
1	199806	54453	165	05:08:16	05:46:55	00:38:39	100
1	199806	54453	166	05:08:33	05:47:04	00:38:32	100
1	199806	54453	167	05:08:49	05:47:14	00:38:25	100
1	199806	54453	168	05:09:05	05:47:25	00:38:20	100
1	199806	54453	169	05:09:20	05:47:36	00:38:16	100

1	199806	54453	170	05:09:34	05:47:48	00:38:13	100
1	199806	54453	171	05:09:48	05:47:59	00:38:12	100
1	199806	54453	172	05:10:02	05:48:13	00:38:11	100
1	199806	54453	173	05:10:14	05:48:26	00:38:12	100
1	199806	54453	174	05:10:27	05:48:40	00:38:14	100
1	199806	54453	175	05:10:38	05:48:55	00:38:17	100
1	199806	54453	176	05:10:49	05:49:10	00:38:21	100
1	199806	54453	177	05:10:58	05:49:25	00:38:27	100
1	199806	54453	178	05:11:08	05:49:41	00:38:33	100
1	199806	54453	179	05:11:16	05:49:57	00:38:41	100
1	199806	54453	180	05:11:24	05:50:13	00:38:49	100
1	199806	54453	181	05:11:32	05:50:29	00:38:57	100
1	199806	54453	182	05:11:39	05:50:45	00:39:07	100
1	199806	54453	183	05:11:45	05:51:01	00:39:16	100
1	199806	54453	184	05:11:51	05:51:17	00:39:26	100
1	199806	54453	185	05:11:57	05:51:32	00:39:35	100
1	199806	54453	186	05:12:03	05:51:47	00:39:44	100
1	199806	54453	187	05:12:09	05:52:01	00:39:53	100
1	199806	54453	188	05:12:14	05:52:15	00:40:01	100
1	199806	54453	189	05:12:20	05:52:28	00:40:08	100
1	199806	54453	190	05:12:26	05:52:39	00:40:14	100
1	199806	54453	191	05:12:32	05:52:50	00:40:18	100
1	199806	54453	192	05:12:38	05:52:59	00:40:21	100
1	199806	54453	193	05:12:45	05:53:07	00:40:22	100
1	199806	54453	194	05:12:53	05:53:14	00:40:20	100
1	199806	54453	195	05:13:02	05:53:18	00:40:16	100
1	199806	54453	196	05:13:12	05:53:21	00:40:10	100
1	199806	54453	197	05:13:22	05:53:22	00:39:59	100
1	199806	54453	198	05:13:35	05:53:21	00:39:46	100
1	199806	54453	199	05:13:48	05:53:17	00:39:29	100
1	199806	54453	200	05:14:04	05:53:10	00:39:07	100
1	199806	54453	201	05:14:21	05:53:01	00:38:40	100
1	199806	54453	202	05:14:40	05:52:49	00:38:08	100
1	199806	54453	203	05:15:02	05:52:33	00:37:31	100
1	199806	54453	204	05:15:27	05:52:13	00:36:47	100
1	199806	54453	205	05:15:55	05:51:50	00:35:55	100
1	199806	54453	206	05:16:26	05:51:22	00:34:56	100
1	199806	54453	207	05:17:02	05:50:48	00:33:47	100
1	199806	54453	208	05:17:42	05:50:09	00:32:27	100
1	199806	54453	209	05:18:28	05:49:23	00:30:55	100
1	199806	54453	210	05:19:20	05:48:30	00:29:10	100
1	199806	54453	211	05:20:22	05:47:29	00:27:07	100
1	199806	54453	212	05:21:34	05:46:16	00:24:42	100
1	199806	54453	213	05:22:59	05:44:47	00:21:49	100
1	199806	54453	214	05:24:45	05:42:56	00:18:11	99.15
1	199806	54453	215	05:27:11	05:40:24	00:13:12	50.93

1	199806	54453	216	05:32:28	05:34:59	00:02:31	1.81
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House	Easting	Northing
38	199830	54827

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
1	199806	54453	1	12:14:31	13:01:29	00:46:58	100
1	199806	54453	2	12:15:27	13:01:28	00:46:00	100
1	199806	54453	3	12:16:27	13:01:23	00:44:56	100
1	199806	54453	4	12:17:30	13:01:14	00:43:44	100
1	199806	54453	5	12:18:37	13:01:01	00:42:24	100
1	199806	54453	6	12:19:47	13:00:43	00:40:55	100
1	199806	54453	7	12:21:02	13:00:19	00:39:17	100
1	199806	54453	8	12:22:22	13:02:47	00:40:25	100
1	199806	54453	9	12:23:48	13:03:09	00:39:21	100
1	199806	54453	10	12:25:21	13:02:23	00:37:03	100
1	199806	54453	11	12:27:03	13:01:29	00:34:26	100
1	199806	54453	12	12:28:55	13:00:21	00:31:26	100
1	199806	54453	13	12:31:03	12:58:58	00:27:55	100
1	199806	54453	14	12:33:32	12:57:11	00:23:39	84.19
1	199806	54453	15	12:36:39	12:54:46	00:18:06	48.99
1	199806	54453	16	12:41:27	12:50:38	00:09:11	12.52
1	199806	54453	329	12:17:55	12:28:43	00:10:48	17.25
1	199806	54453	330	12:14:11	12:33:05	00:18:54	53.21
1	199806	54453	331	12:11:52	12:36:04	00:24:12	87.94
1	199806	54453	332	12:10:08	12:38:29	00:28:21	100
1	199806	54453	333	12:08:46	12:40:33	00:31:46	100
1	199806	54453	334	12:07:40	12:42:23	00:34:43	100
1	199806	54453	335	12:06:46	12:44:02	00:37:16	100
1	199806	54453	336	12:06:01	12:45:33	00:39:32	100
1	199806	54453	337	12:05:24	12:45:59	00:40:35	100
1	199806	54453	338	12:04:54	12:44:19	00:39:25	100
1	199806	54453	339	12:04:30	12:45:32	00:41:02	100
1	199806	54453	340	12:04:12	12:46:42	00:42:30	100
1	199806	54453	341	12:03:58	12:47:47	00:43:49	100
1	199806	54453	342	12:03:49	12:48:49	00:44:59	100
1	199806	54453	343	12:03:44	12:49:47	00:46:04	100
1	199806	54453	344	12:03:42	12:50:43	00:47:01	100
1	199806	54453	345	12:03:44	12:51:36	00:47:52	100
1	199806	54453	346	12:03:50	12:52:27	00:48:37	100
1	199806	54453	347	12:03:58	12:53:15	00:49:17	100
1	199806	54453	348	12:04:09	12:54:01	00:49:52	100
1	199806	54453	349	12:04:23	12:54:45	00:50:21	100
1	199806	54453	350	12:04:40	12:55:26	00:50:46	100
1	199806	54453	351	12:04:59	12:56:06	00:51:06	100

1	199806	54453	352	12:05:21	12:56:43	00:51:22	100
1	199806	54453	353	12:05:45	12:57:19	00:51:33	100
1	199806	54453	354	12:06:11	12:57:52	00:51:40	100
1	199806	54453	355	12:06:40	12:58:23	00:51:43	100
1	199806	54453	356	12:07:11	12:58:52	00:51:41	100
1	199806	54453	357	12:07:44	12:59:19	00:51:35	100
1	199806	54453	358	12:08:19	12:59:43	00:51:25	100
1	199806	54453	359	12:08:56	13:00:06	00:51:10	100
1	199806	54453	360	12:09:35	13:00:26	00:50:50	100
1	199806	54453	361	12:10:17	13:00:43	00:50:27	100
1	199806	54453	362	12:11:00	13:00:58	00:49:58	100
1	199806	54453	363	12:11:46	13:01:10	00:49:24	100
1	199806	54453	364	12:12:34	13:01:19	00:48:45	100
1	199806	54453	365	12:13:25	13:01:26	00:48:01	100

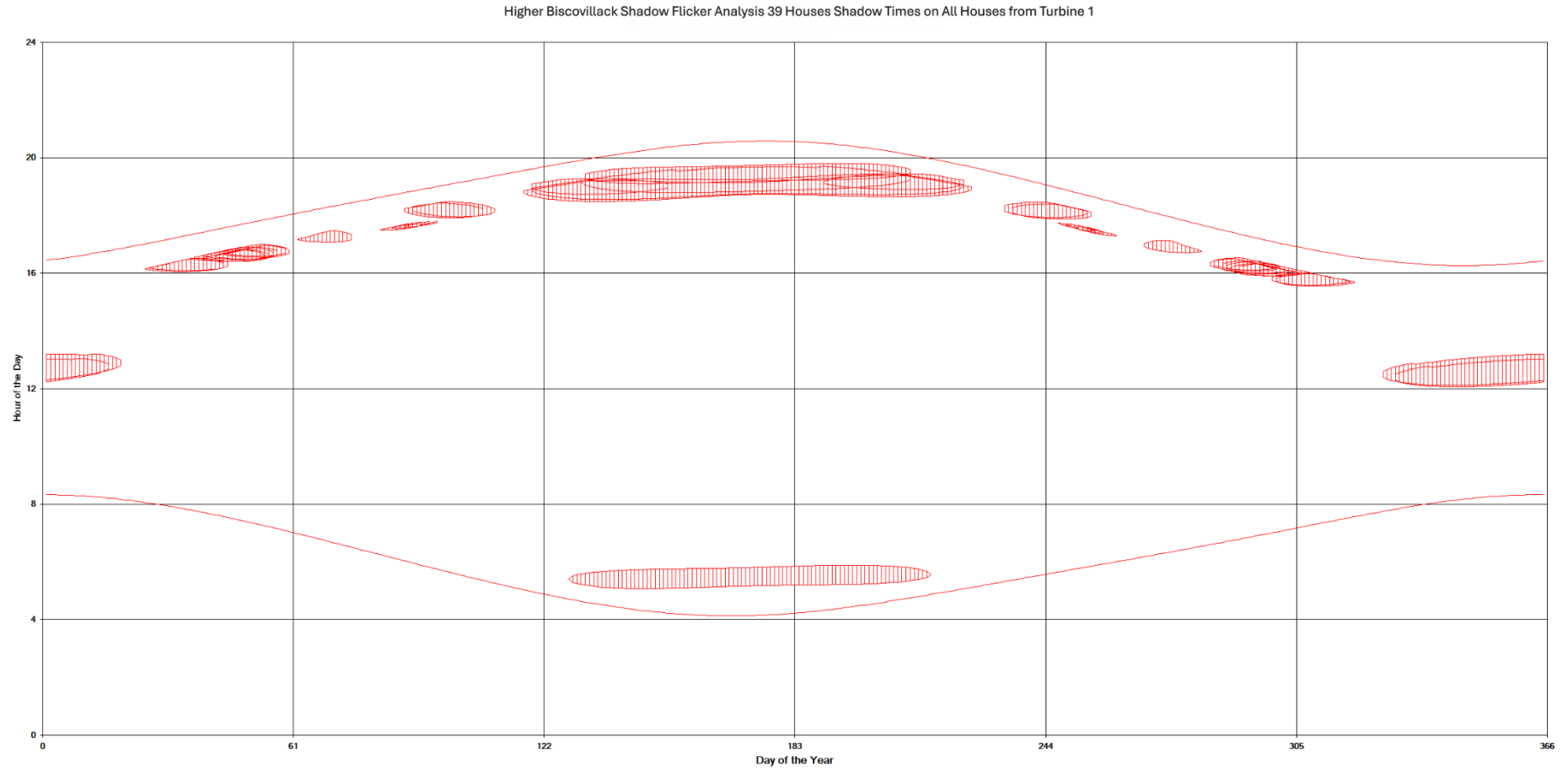
House	Easting	Northing
39	199839	54813

Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
1	199806	54453	1	12:18:05	13:12:01	00:53:55	100
1	199806	54453	2	12:18:58	13:12:04	00:53:06	100
1	199806	54453	3	12:19:53	13:12:04	00:52:11	100
1	199806	54453	4	12:20:50	13:12:01	00:51:11	100
1	199806	54453	5	12:21:50	13:11:54	00:50:04	100
1	199806	54453	6	12:22:53	13:11:43	00:48:50	100
1	199806	54453	7	12:23:59	13:11:28	00:47:29	100
1	199806	54453	8	12:25:08	13:11:09	00:46:00	100
1	199806	54453	9	12:26:22	13:10:44	00:44:22	100
1	199806	54453	10	12:27:40	13:10:14	00:42:34	100
1	199806	54453	11	12:29:03	13:09:37	00:40:34	100
1	199806	54453	12	12:30:32	13:11:50	00:41:18	100
1	199806	54453	13	12:32:08	13:11:57	00:39:49	100
1	199806	54453	14	12:33:54	13:10:55	00:37:01	100
1	199806	54453	15	12:35:50	13:09:39	00:33:49	100
1	199806	54453	16	12:38:02	13:08:08	00:30:06	100
1	199806	54453	17	12:40:35	13:06:12	00:25:37	96.54
1	199806	54453	18	12:43:47	13:03:38	00:19:51	57.56
1	199806	54453	19	12:48:32	12:59:28	00:10:57	17.36
1	199806	54453	326	12:23:03	12:35:52	00:12:49	23.74
1	199806	54453	327	12:19:19	12:40:10	00:20:51	63.33
1	199806	54453	328	12:16:53	12:43:13	00:26:20	100
1	199806	54453	329	12:15:01	12:45:41	00:30:40	100
1	199806	54453	330	12:13:32	12:47:49	00:34:17	100
1	199806	54453	331	12:12:19	12:49:42	00:37:24	100
1	199806	54453	332	12:11:17	12:51:25	00:40:08	100

1	199806	54453	333	12:10:25	12:51:59	00:41:34	100
1	199806	54453	334	12:09:42	12:50:30	00:40:48	100
1	199806	54453	335	12:09:06	12:51:51	00:42:46	100
1	199806	54453	336	12:08:35	12:53:08	00:44:32	100
1	199806	54453	337	12:08:11	12:54:20	00:46:09	100
1	199806	54453	338	12:07:51	12:55:28	00:47:37	100
1	199806	54453	339	12:07:36	12:56:33	00:48:57	100
1	199806	54453	340	12:07:25	12:57:34	00:50:10	100
1	199806	54453	341	12:07:18	12:58:33	00:51:16	100
1	199806	54453	342	12:07:14	12:59:30	00:52:15	100
1	199806	54453	343	12:07:14	13:00:23	00:53:09	100
1	199806	54453	344	12:07:17	13:01:15	00:53:58	100
1	199806	54453	345	12:07:22	13:02:04	00:54:43	100
1	199806	54453	346	12:07:30	13:02:52	00:55:22	100
1	199806	54453	347	12:07:40	13:03:37	00:55:57	100
1	199806	54453	348	12:07:53	13:04:21	00:56:27	100
1	199806	54453	349	12:08:09	13:05:02	00:56:54	100
1	199806	54453	350	12:08:27	13:05:42	00:57:15	100
1	199806	54453	351	12:08:47	13:06:21	00:57:33	100
1	199806	54453	352	12:09:10	13:06:57	00:57:47	100
1	199806	54453	353	12:09:34	13:07:31	00:57:57	100
1	199806	54453	354	12:10:01	13:08:04	00:58:03	100
1	199806	54453	355	12:10:30	13:08:35	00:58:05	100
1	199806	54453	356	12:11:01	13:09:04	00:58:04	100
1	199806	54453	357	12:11:33	13:09:32	00:57:58	100
1	199806	54453	358	12:12:08	13:09:57	00:57:49	100
1	199806	54453	359	12:12:44	13:10:20	00:57:36	100
1	199806	54453	360	12:13:22	13:10:41	00:57:19	100
1	199806	54453	361	12:14:02	13:11:00	00:56:58	100
1	199806	54453	362	12:14:45	13:11:17	00:56:33	100
1	199806	54453	363	12:15:29	13:11:32	00:56:03	100
1	199806	54453	364	12:16:15	13:11:44	00:55:29	100
1	199806	54453	365	12:17:03	13:11:53	00:54:50	100

Appendix B

Graphical output of shadow flicker events for all houses



Appendix C

Map Showing Modelled Properties

