

Table S2: Site classification

Data sources:

¹ Area classified by natural structure, biogeographic region, protected areas, land use: BfN-Geodienste: BfN, <https://geodienste.bfn.de/schutzgebiete?lang=de>

² Risk of wind erosion: Bundesanstalt für Geowissenschaften und Rohstoffe, <http://geoportal.de>

³ Site factors in the immediate surrounding according to GIS maps (ArcGIS) as well as Satellite data and data gathered on site in a 2 x 2 km area

⁴ When no value was available, the site factors were estimated by averaging data in adjacent squares

Site		Site classification									
Site No. 1.	Site No. 2	Collection method	Area classified by underlying natural structure ¹	Biogeographical region ¹	Protected areas ¹	Classification of protected area	Agricultural land use ³	Agri-Intens Class ³	Distance ³	Risk of wind erosion ^{2,4}	Bio/Not Bio ^{1, 3}
702	707	Passive sampler	Östliches Mittelgebirge	Continental	LSG	1	AB intensive	3	medium	1	1
703	709	Passive sampler	Nordostdeutsches Tiefland	Continental		0	AB intensive	3	medium	1	1
704	710	Passive sampler	Nordostdeutsches Tiefland	Continental	LSG	1	AB intensive/extensive	2	far	2	1
705	732	Passive sampler	Nordwestdeutsches Tiefland	Atlantic		0	AB extensive	1	medium	3	1
706	764	Passive sampler	Südwestdeutsches Mittelgebirge / Stufenland	Continental	NP	1	AB extensive	1	medium	1	1
707	770	Passive sampler	Nordostdeutsches Tiefland	Continental	LSG	1	AB intensive/extensive	2	close	3	1
708	775	Passive sampler	Nordostdeutsches Tiefland	Continental	LSG, VSG	1	AB intensive/extensive	2	far	3	1
710	784	Passive sampler	Nordostdeutsches Tiefland	Continental		0	Town	1	far	3,5	1
711	786	Passive sampler	Nordwestdeutsches Tiefland	Atlantic		0	AB intensive/extensive	2	medium	3	1
712	787	Passive sampler	Südwestdeutsches Mittelgebirge / Stufenland	Continental	LSG, NP	1	Organic Prod.	3	medium	0	2
713	803	Passive sampler	Nordostdeutsches Tiefland	Continental	NP	1	AB intensive	3	medium	1	1
714	806	Passive sampler	Alpenvorland	Continental		0	AB extensive	1	medium	1	1
716	827	Passive sampler	Südwestdeutsches Mittelgebirge / Stufenland	Continental		0	AB intensive	3	close	1	1
717	831	Passive sampler	Westliches Mittelgebirge	Continental	LSG	1	AB intensive/extensive	2	far	2	1
718	839	Passive sampler	Nordwestdeutsches Tiefland	Atlantic		0	AB intensive	3	medium	1	1
719	850	Passive sampler	Alpenvorland	Continental		0	AB intensive	3	close	1	1
720	851	Passive sampler	Nordostdeutsches Tiefland	Continental		0	AB intensive	3	far	2	1
721	854	Passive sampler	Nordwestdeutsches Tiefland	Atlantic	LSG, VSG	1	AB intensive	3	medium	3	1
722	859	Passive sampler	Westliches Mittelgebirge	Continental		0	AB intensive/extensive	2	medium	1	1
723	869	Passive sampler	Östliches Mittelgebirge	Continental	LSG, NP	1	Wine Biol. Prod.	3	medium	1	2
724	877	Passive sampler	Alpenvorland	Continental		0	AB intensive	3	close	1	1

Site classification											
Site No. 1.	Site No. 2	Collection method	Area classified by underlying natural structure ¹	Biogeographical region ¹	Protected areas ¹	Classification of protected area	Agricultural land use ³	Agri-Intens Class ³	Distance ³	Risk of wind erosion ²	Bio/Not Bio ^{1, 3}
725	878	Passive sampler	Nordwestdeutsches Tiefland	Atlantic		0	AB intensive	3	close	3	1
726	879	Passive sampler	Nordwestdeutsches Tiefland	Atlantic		0	AB intensive	3	medium	3	1
727	890	Passive sampler	Südwestdeutsches Mittelgebirge / Stufenland	Continental		0	Town	1	far	1	1
728	898	Passive sampler	Südwestdeutsches Mittelgebirge / Stufenland	Continental		0	AB extensive	1	far	1,5	1
729	900	Passive sampler	Nordostdeutsches Tiefland	Continental		0	AB intensive	3	far	1	1
730	904	Passive sampler	Nordwestdeutsches Tiefland	Continental	NP	1	AB intensive/extensive	2	close	1	1
731	918	Passive sampler	Alpenvorland	Continental		0	Organic Prod.	2	far	1	2
732	940	Passive sampler	Westliches Mittelgebirge	Continental		0	AB intensive/extensive	2	medium	1	1
733	942	Passive sampler	Westliches Mittelgebirge	Continental	NP	1	Organic Prod.	2	close	1	2
734	944	Passive sampler	Nordostdeutsches Tiefland	Continental	FFH, VSG, BR	1	AB intensive/extensive	2	close	1	1
735	945	Passive sampler	Östliches Mittelgebirge	Continental		0	Organic Prod.	3	medium	2	2
736	948	Passive sampler	Südwestdeutsches Mittelgebirge / Stufenland	Continental	NP	1	Wine	2	close	1	1
737	960	Passive sampler	Alpenvorland	Continental	LSG	1	Fruit	3	close	1	1
738	865	Passive sampler	Nordostdeutsches Tiefland	Continental		0	AB intensive	3	medium	2,5	1
740	1000	Passive sampler	Westliches Mittelgebirge	Continental	LSG, NLP, NP, FFH, VSG	1	Forest	1	far	1	2
741	1001	Passive sampler	Westliches Mittelgebirge	Continental		0	Organic Prod.	3	close	2	2
742	1002	Passive sampler	Westliches Mittelgebirge	Continental		0	Organic Prod.	3	close	1	2
743	1003	Passive sampler	Südwestdeutsches Mittelgebirge / Stufenland	Continental		0	AB intensive/extensive	2	medium	2	1
744	1004	Passive sampler	Westliches Mittelgebirge	Continental	NP	1	Organic Prod.	3	medium	1	2
745	906	Passive sampler	Nordwestdeutsches Tiefland	Atlantic		0	AB intensive	3	medium	3	1
746	778	Passive sampler	Nordwestdeutsches Tiefland	Atlantic	LSG, NP	1	AB intensive	3	close	1	1
747	1006	Passive sampler	Nordwestdeutsches Tiefland	Atlantic	NP	1	AB intensive	3	close	1	1

Site	Site classification										
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748	1007	Passive sampler	Östliches Mittelgebirge	Continental	LSG, NLP, VSG, FFH	1	Forest	1	far	0,5	2
749	1008	Passive sampler	Nordostdeutsches Tiefland	Continental	LSG, NP, VSG	1	AB intensive	3	medium	3	1
750	1009	Passive sampler	Nordostdeutsches Tiefland	Continental	NP	1	AB intensive	3	close	3	1
751	1010	Passive sampler	Nordostdeutsches Tiefland	Continental		0	Town	1	far	4	1
808	880	Passive sampler	Nordwestdeutsches Tiefland	Continental		0	AB intensive	3	close	1	1
809	886	Passive sampler	Südwestdeutsches Mittelgebirge / Stufenland	Continental		0	AB extensive	1	medium	3	1
801	779	Filter	Westliches Mittelgebirge	Continental	LSG	1	AB extensive	1	far	1,5	
802	799	Filter	Alpenvorland	Continental		0	AB intensive/extensive	2	close	1	
803	806	Filter	Alpenvorland	Continental		0	AB intensive/extensive	2	medium	1	
804	807	Filter	Alpenvorland	Continental		0	AB extensive	1	medium	1	
805	824	Filter	Nordwestdeutsches Tiefland	Atlantic		0	AB intensive	3	close	3	
806	838	Filter	Nordostdeutsches Tiefland	Continental	NP	1	AB extensive	1	far	3,5	
807	876	Filter	Alpenvorland	Continental		0	AB intensive	3	medium	2,5	
808	880	Filter	Nordwestdeutsches Tiefland	Continental		0	AB intensive	3	close	1	
809	886	Filter	Südwestdeutsches Mittelgebirge / Stufenland	Continental		0	AB extensive	1	close	2	
810	924	Filter	Nordwestdeutsches Tiefland	Atlantic	NP	1	AB intensive/extensive	2	medium	5	
811	954	Filter	Westliches Mittelgebirge	Continental	LSG	1	AB intensive	3	medium	1	
812	963	Filter	Südwestdeutsches Mittelgebirge / Stufenland	Continental		0	AB intensive/extensive	2	medium	1	
814		Filter	Südwestdeutsches Mittelgebirge / Stufenland	Continental		0	AB extensive	1	far	3	
815		Filter	Südwestdeutsches Mittelgebirge / Stufenland	Continental		0	AB intensive/extensive	2	medium	0,5	
816		Filter	Nordostdeutsches Tiefland	Continental		0	AB intensive	3	medium	1	
817		Filter	Nordwestdeutsches Tiefland	Atlantic		0	AB extensive	1	far	1	
818		Filter	Westliches Mittelgebirge	Continental	NP	1	AB extensive	1	medium	1	
819		Filter	Nordwestdeutsches Tiefland	Atlantic		0	AB extensive	1	far	1	

Site		Site classification									
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820		Filter	Nordostdeutsches Tiefland	Continental		0	AB intensive	3	far	3	
824		Filter	Östliches Mittelgebirge	Continental		0	AB intensive	3	medium	1	

Agri-Intens Class =

Classification of agricultural intensity in an 4 km² area around the site

- 1 low (Ratio 0 - 20%)
- 2 medium (Ratio 20 - 50%)
- 3 high (Ratio > 50%)

Bio/Not Bio

- 1 no organic production on site
- 2 organic production on site or national park

Abbreviation protected areas

BR	Biosphere reserve
FFH	Fauna-Flora-Habitat-area
LSG	landscape protected area
NP	Nature park
NLP	National park
NSG	Nature conservation area
VSG	Bird sanctuary

Value

Risk of wind erosion

0	none
1	very small
2	small
3	medium
4	high
5	very high

Classification of protected areas

0	no protected area
1	protected area

References

Bundesamt für Naturschutz (BfN), GeoBasis-DE/BKG, eurogeographics bruxelles, bundesamt für schifffahrt und hydrographie, BfN-geodienste: Schutzgebiete in Deutschland. <https://geodienste.bfn.de/schutzgebiete?lang=de>. Accessed 20 Apr 2020.

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