



D162509899

Calculation Feitelijk gebruik

- Characterization
- Emission
- Deposition nature areas
- Deposition habitat types

AERIUS CALCULATOR

Dit document bevat resultaten van een stikstofdepositieberekening met AERIUS Calculator. U dient dit document te gebruiken ter onderbouwing van een vergunningaanvraag in het kader van de Natuurbeschermingswet 1998.

De resultaten geven de stikstofeffecten van deze activiteit weer voor haar omgeving. Tot de omgeving behoren zowel Natura 2000-gebieden als beschermde natuurmonumenten. Calculator maakt enkel voor de PAS-gebieden inzichtelijk welke stikstofgevoelige habitattypen er voor komen en op welke hiervan een effect is. Op basis hiervan is aangegeven voor hoeveel hectares ontwikkelingsruimte benodigd is.

De berekening op basis van stikstofemissies gaat uit van de componenten ammoniak (NH_3) en stikstofoxide (NO_x), of één van beide. Hiermee is de depositie van de activiteit berekend en uitgewerkt.

Wilt u verder rekenen of gegevens wijzigen? Importeer de pdf dan in de Calculator.

Further explanation of this PDF can be found in a corresponding tassel. This reading guide and other documentation can be accessed via: www.aerius.nl.

AERIUS CALCULATOR

Contact

Legal entity	Facility Location
NXP Semiconductors Nijmegen	Gerstweg 2, 6534 AE Nijmegen

Activity

Description	AERIUS reference
Aanvraag Nb-wet vergunning	RmZFbiZRLKRP
Calculation date	Calculation year
12 October 2016, 09:15	2016

Total emission

	Situation 1	Situation 2	Difference
NOx	13,374.00 kg/y	34.73 ton/y	21.35 ton/y
NH ₃	1,285.00 kg/y	2,000.00 kg/y	715.00 kg/y

Deposition

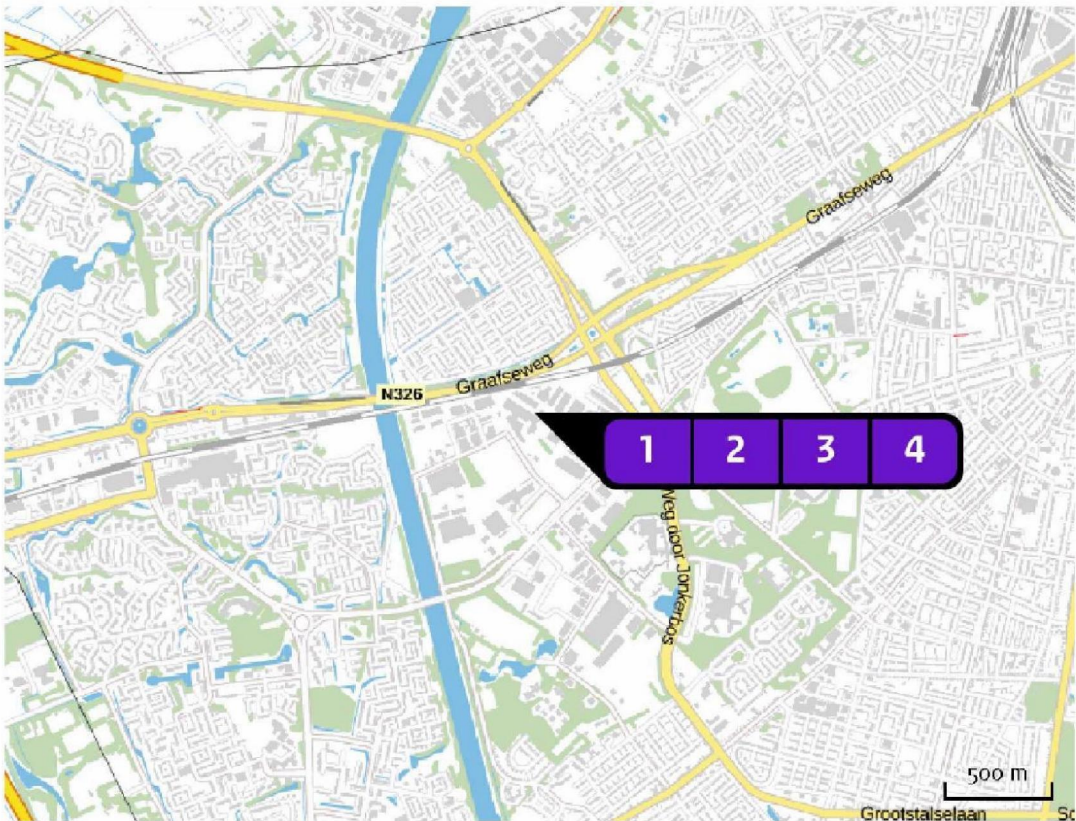
Hectare with
highest delta
project
contribution
(mol/ha/y)

Nature area		Province
Rijntakken		Gelderland
Situation 1	Situation 2	Difference
0.43	0.84	+ 0.41

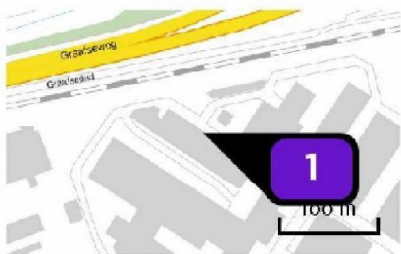
Explanation

AERIUS-berekening 12-10-2016

Location
Feitelijk gebruik



Emission
(by source)
Feitelijk gebruik



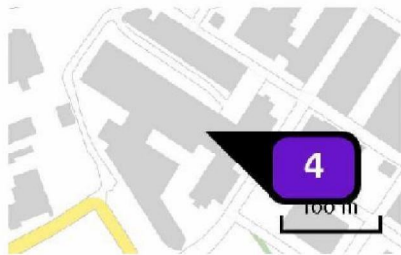
Name Stookketel 5 + 6 (FE)
Location (X,Y) 184706, 426484
Height 35.0 m
Heat content 0.280 MW
Diurnal variation Standard profile industry
NOx 5,104.00 kg/y



Name Stookketel 4 (K)
Location (X,Y) 184924, 426334
Height 35.0 m
Heat content 0.280 MW
Diurnal variation Standard profile industry
NOx 4,904.00 kg/y

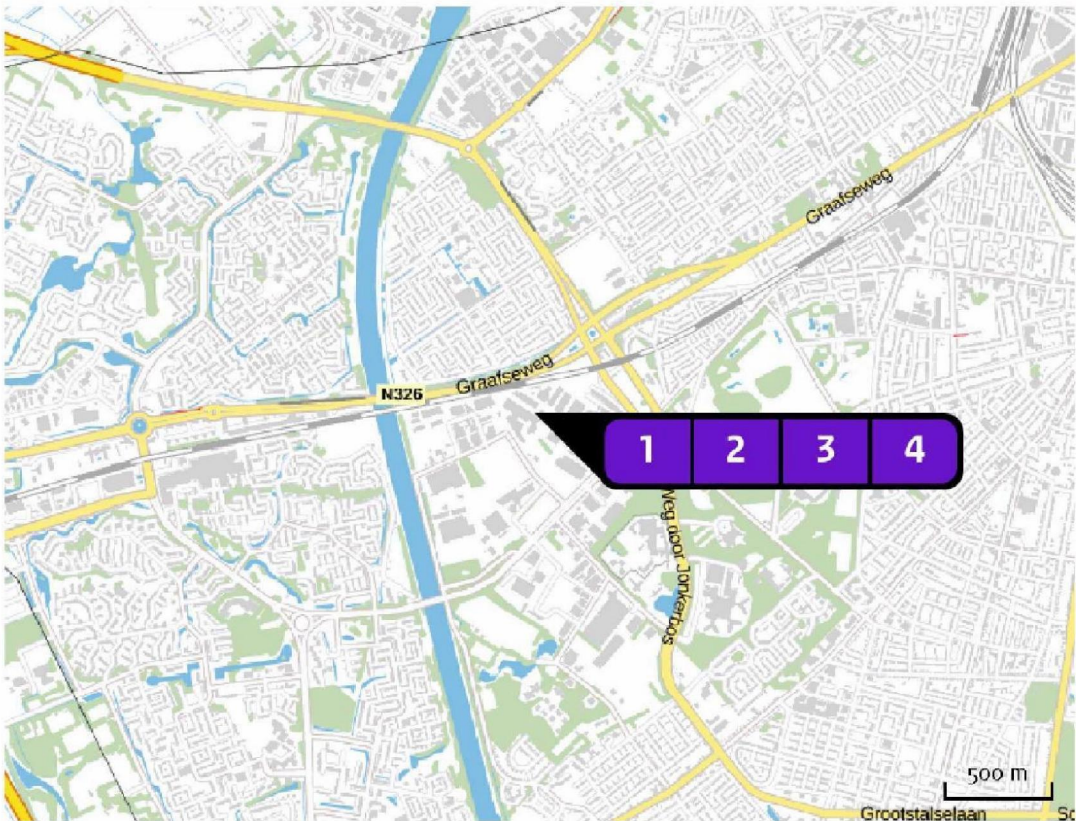


Name ICN-8 M4
Location (X,Y) 184604, 426458
Height 45.0 m
Heat content 0.280 MW
Diurnal variation Standard profile industry
NOx 1,346.00 kg/y
NH3 643.00 kg/y

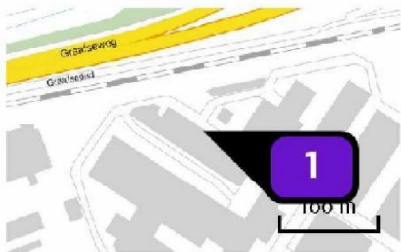


Name ICN-8 M3
Location (X,Y) 184716, 426387
Height 45.0 m
Heat content 0.280 MW
Diurnal variation Standard profile industry
NOx 2,020.00 kg/y
NH3 642.00 kg/y

Location
Beoogde situatie



Emission
(by source)
Beoogde situatie



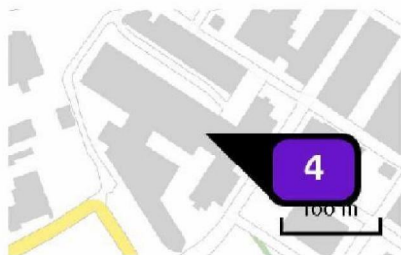
Name	Stookketel 5 + 6 (FE)
Location (X,Y)	184706, 426484
Height	35.0 m
Heat content	0.280 MW
Diurnal variation	Standard profile industry
NOx	14,104.00 kg/y



Name	Stookketel 4 (K)
Location (X,Y)	184924, 426334
Height	35.0 m
Heat content	0.280 MW
Diurnal variation	Standard profile industry
NOx	10,624.00 kg/y

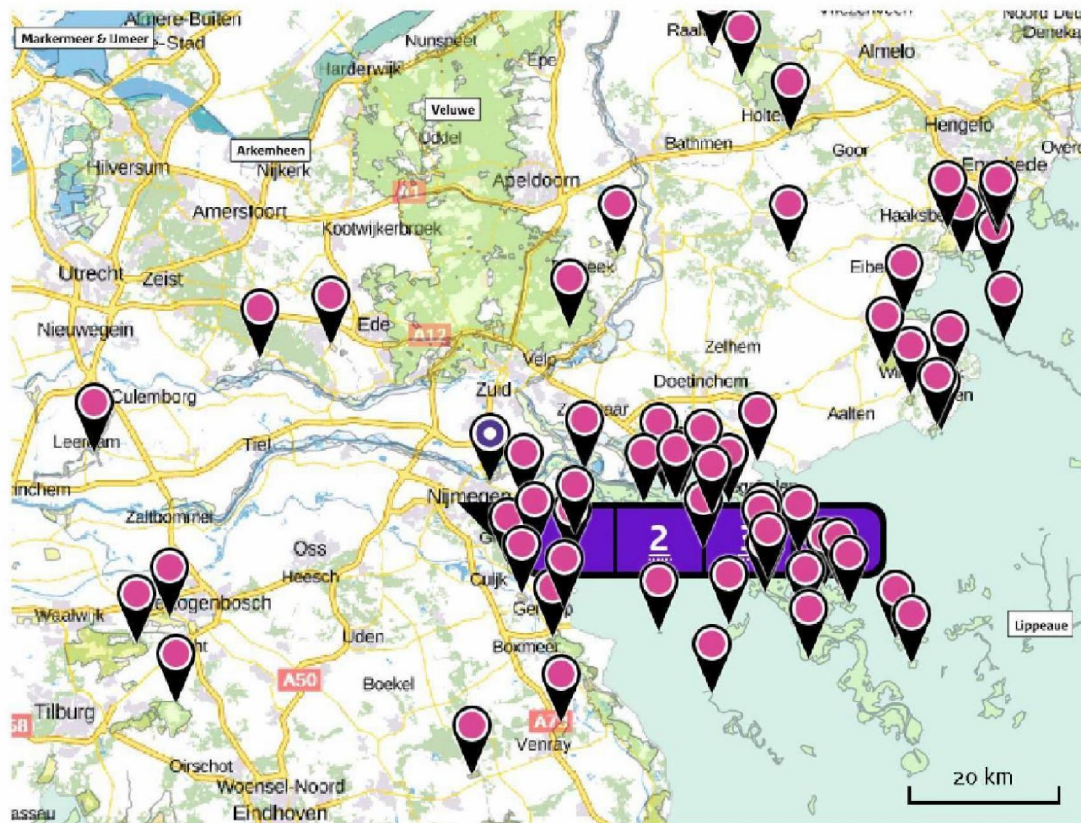


Name ICN-8 M4
Location (X,Y) 184604, 426458
Height 45.0 m
Heat content 0.280 MW
Diurnal variation Standard profile industry
NOx 5,000.00 kg/y
NH3 1,000.00 kg/y



Name ICN-8 M3
Location (X,Y) 184716, 426387
Height 45.0 m
Heat content 0.280 MW
Diurnal variation Standard profile industry
NOx 5,000.00 kg/y
NH3 1,000.00 kg/y

Deposition











 Highest delta project contribution (Rijntakken)

 Highest delta project contribution per nature area

-  Habitat directive
-  Bird directive
-  Natural monument
-  Habitat directive, Bird directive
-  Habitat directive, Natural monument
-  Bird directive, Natural monument
-  Habitat directive, Bird directive, Natural monument

Deposition
PAS areas

Area	Hectare with highest difference (mol/ha/y)			Highest deposition Situation 2 (mol/ha/y)	Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference			
Rijntakken	0.43	0.84	+ 0.41	0.84		
Sint Jansberg	0.12	0.24	+ 0.12	0.24		
Veluwe	0.12	0.24	+ 0.12	0.24		
De Bruuk	0.11	0.21	+ 0.10	0.21		
Landgoederen Brummen	0.08	0.15	+ 0.08	0.15		
Maasduinen	0.06	0.12	+ 0.06	0.12		
Zeldersche Driessen	0.06	0.13	+ 0.06	0.13		
Oeffelter Meent	0.06	0.11	+ 0.06	0.11		
Boschhuizerbergen	0.04	0.09	+ 0.05	0.09		
Stelkampsveld	0.04	0.09	+ 0.05	0.09		
Borkeld	0.04	0.07	+ 0.04	0.07		
Sallandse Heuvelrug	0.03	0.07	+ 0.04	0.07		
Bekendelle	0.03	0.07	+ 0.04	0.07		
Deurnsche Peel & Mariapeel	0.03	0.07	+ 0.04	0.07		
Kolland & Overlangbroek	0.03	0.07	+ 0.03	0.07		
Korenburgherveen	0.03	0.07	+ 0.03	0.07		
Boetelerveld	0.03	0.06	+ 0.03	0.06		
Binnenveld	0.03	0.07	+ 0.03	0.07		

Area	Hectare with highest difference (mol/ha/y)			Highest deposition Situation 2 (mol/ha/y)	Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference			
Loonse en Drunense Duinen & Leemkuilen	0.03	0.06	+ 0.03	0.06		
Kampina & Oisterwijkse Vennen	0.03	0.06	+ 0.03	0.06		
Buurserzand & Haaksbergerveen	0.03	0.06	+ 0.03	0.06		
Willinks Weust	0.03	>0.05	+ 0.03	>0.05		
Witte Veen	0.03	>0.05	+ 0.03	>0.05		
Vlijmens Ven, Moerputten & Bossche Broek	0.03	>0.05	+ 0.03	>0.05		
Wooldse Veen	0.02	>0.05	+ 0.03	>0.05		
Lingegebied & Diefdijk-Zuid	0.03	>0.05	+ 0.03	>0.05		

 No exceedance*

 Exceedance

 Development space available**

 No development space available

 There is no effect here which is relevant for the development space

* This result is not taken into account when assessing under the Nature Conservation Act. When assessing under the Nature Conservation Act the relevant hexagons for which development space is reserved will be looked at.









** When assessing a permit application under the Nature Conservation Act it will be determined whether there is sufficient development space available and that significant deterioration can be excluded.

Deposition per
habitat

Rijntakken

Habitattype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H6120 Stroomdalgraslanden	0.43	0.84	+ 0.41	●	✓
H6510A Glanshaver- en vossenstaarthooilanden (glanshaver)	0.36	0.71	+ 0.35	●	✓
H3150baz Meren met krabbenscheer en fonteinkruiden, buiten afgesloten zeearmen	0.35	0.69	+ 0.34	●	✓
H91EoB Vochtige alluviale bossen (essen- iepenbossen)	0.30	0.58	+ 0.28	●	✓
ZGH91EoB Vochtige alluviale bossen (essen- iepenbossen)	0.17	0.32	+ 0.15	○	✓
H6430C Ruigten en zomen (droge bosranden)	0.17	0.32	+ 0.15	○	✓
H91Fo Droge hardhoutooibossen	0.15	0.30	+ 0.14	●	✓
ZGH91Fo Droge hardhoutooibossen	0.05	0.10	+ 0.05	○	⊘
H6510B Glanshaver- en vossenstaarthooilanden (grote vossenstaart)	0.05	0.10	+ 0.05	●	✓

Sint Jansberg

Habitattype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
ZGH9120 Beuken-eikenbossen met hulst	0.12	0.24	+ 0.12		
H9120 Beuken-eikenbossen met hulst	0.12	0.24	+ 0.12		
H91EoC Vochtige alluviale bossen (beekbegeleidende bossen)	0.10	0.20	+ 0.10		
H7210 Galigaanmoerassen	0.10	0.19	+ 0.09		

Veluwe

Habitattype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg120 Beuken-eikenbossen met hulst	0.12	0.24	+ 0.12		
H2330 Zandverstuivingen	0.11	0.22	+ 0.11		
H2310 Stuifzandheiden met struikhei	0.11	0.21	+ 0.11		
H4030 Droge heiden	0.11	0.22	+ 0.11		
H9190 Oude eikenbossen	0.10	0.21	+ 0.11		
H6230vka Heischrale graslanden, vochtig kalkarm	0.09	0.18	+ 0.09		
H91EoC Vochtige alluviale bossen (beekbegeleidende bossen)	0.10	0.19	+ 0.09		
H4010A Vochtige heiden (hogere zandgronden)	0.08	0.16	+ 0.08		
H5130 Jeneverbesstruwelen	0.07	0.15	+ 0.08		
ZGH2310 Stuifzandheiden met struikhei	0.07	0.15	+ 0.07		
H7150 Pioniervegetaties met snavelbiezen	0.06	0.13	+ 0.06		
H3130 Zwakgebufferde vennen	0.06	0.13	+ 0.06		
H3160 Zure vennen	>0.05	0.10	+ >0.05		
ZGHg120 Beuken-eikenbossen met hulst	>0.05	0.10	+ >0.05		
ZGHg190 Oude eikenbossen	0.04	0.09	+ 0.05		
ZGH4030 Droge heiden	0.04	0.09	+ 0.05		
H7110B Actieve hoogvenen (heideveentjes)	0.04	0.09	+ 0.04		

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H2320 Binnenlandse kraaiheibegroeiingen	0.04	0.07	+ 0.04	●	✓
ZGH4010A Vochtige heiden (hogere zandgronden)	0.03	0.06	+ 0.03	●	✓

De Bruuk



Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H6410 Blauwgraslanden	0.11	0.21	+ 0.10	●	✓

Landgoederen Brummen









Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H91EoC Vochtige alluviale bossen (beekbegeleidende bossen)	0.08	0.15	+ 0.08	●	✓
H623ovka Heischrale graslanden, vochtig kalkarm	0.07	0.14	+ 0.07	●	✓
H9120 Beuken-eikenbossen met hulst	0.07	0.14	+ 0.07	●	✓
H6410 Blauwgraslanden	0.07	0.14	+ 0.07	●	✓
H7150 Pioniervegetaties met snavelbiezen	0.06	0.13	+ 0.06	●	✓
H3130 Zwakgebufferde vennen	0.06	0.12	+ 0.06	●	✓
H4010A Vochtige heiden (hogere zandgronden)	>0.05	0.10	+ >0.05	●	✓
ZGH3130 Zwakgebufferde vennen	0.04	0.09	+ 0.04	●	✓

Maasduinen





Habitattype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H4030 Droge heiden	0.06	0.12	+ 0.06	●	✓
H2330 Zandverstuivingen	0.06	0.12	+ 0.06	●	✓
ZGH9190 Oude eikenbossen	>0.05	0.11	+ 0.06	●	✓
H4010A Vochtige heiden (hogere zandgronden)	0.06	0.11	+ 0.06	●	✓
H2310 Stuifzandheiden met struikhei	>0.05	0.11	+ 0.06	●	✓
H3160 Zure vennen	0.06	0.12	+ 0.06	●	✓
H7110B Actieve hoogvenen (heideveentjes)	>0.05	0.11	+ 0.06	●	✓
H9120 Beuken-eikenbossen met hulst	>0.05	0.11	+ 0.06	●	✓
ZGH9120 Beuken-eikenbossen met hulst	>0.05	0.10	+ >0.05	●	✓
H3130 Zwakgebufferde vennen	0.05	0.10	+ >0.05	●	✓
ZGH3130 Zwakgebufferde vennen	0.05	0.10	+ 0.05	●	✓
H91EoC Vochtige alluviale bossen (beekbegeleidende bossen)	0.04	0.09	+ 0.04	●	✓
H7150 Pioniervegetaties met snavelbiezen	0.04	0.09	+ 0.04	●	✓
H91Do Hoogveenbossen	0.03	0.07	+ 0.03	●	✓
ZGH91Do Hoogveenbossen	0.03	0.06	+ 0.03	●	✓
H6230dka Heischrale graslanden, droog kalkarm	0.03	0.06	+ 0.03	●	✓
H9190 Oude eikenbossen	0.03	0.06	+ 0.03	●	✓

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
ZGH91EoC Vochtige alluviale bossen (beekbegeleidende bossen)	0.03	>0.05	+ 0.03		

Zeldersche Driessen

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H9120 Beuken-eikenbossen met hulst	0.06	0.13	+ 0.06		
H91Fo Droge hardhoutooibossen	0.06	0.12	+ 0.06		
H6120 Stroomdalgraslanden	0.06	0.12	+ 0.06		
H6430C Ruigten en zomen (droge bosranden)	0.06	0.12	+ 0.06		

Oeffelter Meent

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H6510A Glanshaver- en vossenstaarthooilanden (glanshaver)	0.06	0.11	+ 0.06		
H6120 Stroomdalgraslanden	0.06	0.11	+ 0.06		





Boschhuizerbergen

Habitattype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H2310 Stuifzandheiden met struikhei	0.04	0.09	+ 0.05	●	✓
H5130 Jeneverbesstruwelen	0.04	0.09	+ 0.05	●	✓
H2330 Zandverstuivingen	0.04	0.09	+ 0.05	●	✓
ZGH3130 Zwakgebufferde vennen	0.03	0.06	+ 0.03	●	✓
H3130 Zwakgebufferde vennen	0.03	0.06	+ 0.03	●	✓

Stelkampsveld

Habitattype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H4010A Vochtige heiden (hogere zandgronden)	0.04	0.09	+ 0.05	●	✓
H91EoC Vochtige alluviale bossen (beekbegeleidende bossen)	0.04	0.08	+ 0.04	●	✓
H4030 Droge heiden	0.04	0.08	+ 0.04	●	✓
H3130 Zwakgebufferde vennen	0.04	0.08	+ 0.04	●	✓
H7150 Pioniervegetaties met snavelbiezen	0.04	0.08	+ 0.04	●	✓
H6410 Blauwgraslanden	0.04	0.08	+ 0.04	●	✓
H6230vka Heischrale graslanden, vochtig kalkarm	0.04	0.07	+ 0.04	●	✓
H7230 Kalkmoerassen	0.03	0.07	+ 0.04	●	✓







Borkeld

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H2310 Stuifzandheiden met struikhei	0.04	0.07	+ 0.04		
H5130 Jeneverbesstruwelen	0.03	0.07	+ 0.04		
H4030 Droge heiden	0.03	0.07	+ 0.04		
H6230vka Heischrale graslanden, vochtig kalkarm	0.03	0.06	+ 0.03		
H4010A Vochtige heiden (hogere zandgronden)	0.02	>0.05	+ 0.03		





Sallandse Heuvelrug

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H4030 Droge heiden	0.03	0.07	+ 0.04		
H6230vka Heischrale graslanden, vochtig kalkarm	0.03	0.07	+ 0.04		
H4010A Vochtige heiden (hogere zandgronden)	0.03	0.07	+ 0.03		
H9999:42 Habitatype onbekend/onzeker KDW op basis meest kritische aangewezen type (H3160, H6230)	0.03	0.06	+ 0.03		
H5130 Jeneverbesstruwelen	0.03	0.06	+ 0.03		
H7110B Actieve hoogvenen (heideveentjes)	0.03	0.06	+ 0.03		



Bekendelle

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg120 Beuken-eikenbossen met hulst	0.03	0.07	+ 0.04		
Hg160A Eiken-haagbeukenbossen (hogere zandgronden)	0.03	0.07	+ 0.04		
Hg1EoC Vochtige alluviale bossen (beekbegeleidende bossen)	0.03	0.07	+ 0.04		





















Deurnsche Peel & Mariapeel

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H7120ah Herstellende hoogvenen, actief hoogveen	0.03	0.07	+ 0.04		
ZGH7120ah Herstellende hoogvenen, actief hoogveen	0.02	>0.05	+ 0.03		

Kolland & Overlangbroek

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg1EoC Vochtige alluviale bossen (beekbegeleidende bossen)	0.03	0.07	+ 0.03		

Korenburgerveen

Habitattype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H7120ah Herstellende hoogvenen, actief hoogveen	0.03	0.07	+ 0.03		
H91EoC Vochtige alluviale bossen (beekbegeleidende bossen)	0.03	0.07	+ 0.03		
H7210 Galigaanmoerassen	0.03	0.07	+ 0.03		
H7140A Overgangs- en trilvenen (trilvenen)	0.03	0.06	+ 0.03		
H7110A Actieve hoogvenen (hoogveenlandschap)	0.03	0.06	+ 0.03		
H6230vka Heischrale graslanden, vochtig kalkarm	0.03	0.06	+ 0.03		
H6410 Blauwgraslanden	0.03	0.06	+ 0.03		
H3130 Zwakgebufferde vennen	0.03	0.06	+ 0.03		
ZGH7140A Overgangs- en trilvenen (trilvenen)	0.03	0.06	+ 0.03		
ZGH3130 Zwakgebufferde vennen	0.03	>0.05	+ 0.03		

Boetelerveld

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H4010A Vochtige heiden (hogere zandgronden)	0.03	0.06	+ 0.03	●	✓
H7150 Pioniervegetaties met snavelbiezen	0.03	0.06	+ 0.03	●	✓
ZGH3130 Zwakgebufferde vennen	0.03	0.06	+ 0.03	●	✓
H5130 Jeneverbesstruwelen	0.03	0.06	+ 0.03	●	✓
H3130 Zwakgebufferde vennen	0.02	>0.05	+ 0.03	●	✓





















Binnenveld

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H7140A Overgangs- en trilvenen (trilvenen)	0.03	0.07	+ 0.03	●	✓
H7140B Overgangs- en trilvenen (veenmosrietlanden)	0.03	0.06	+ 0.03	●	✓
H6410 Blauwgraslanden	0.03	0.06	+ 0.03	●	✓











Loonse en Drunense Duinen & Leemkuilen

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H2330 Zandverstuivingen	0.03	0.06	+ 0.03	●	✓
H9190 Oude eikenbossen	0.03	0.06	+ 0.03	●	✓
H2310 Stuifzandheiden met struikhei	0.03	0.06	+ 0.03	●	✓

Kampina & Oisterwijkse Vennen

Habitattype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H3160 Zure vennen	0.03	0.06	+ 0.03		
H2310 Stuifzandheiden met struikhei	0.03	0.06	+ 0.03		
H7110B Actieve hoogvenen (heideveentjes)	0.03	0.06	+ 0.03		
H4010A Vochtige heiden (hogere zandgronden)	0.03	0.06	+ 0.03		
H3130 Zwakgebufferde vennen	0.03	>0.05	+ 0.03		
H7150 Pioniervegetaties met snavelbiezen	0.03	>0.05	+ 0.03		
H91EoC Vochtige alluviale bossen (beekbegeleidende bossen)	0.03	>0.05	+ 0.03		
H2330 Zandverstuivingen	0.02	>0.05	+ 0.03		
H4030 Droge heiden	0.02	>0.05	+ 0.03		
H9190 Oude eikenbossen	0.02	>0.05	+ 0.03		





Buurserzand & Haaksbergerveen

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H4010A Vochtige heiden (hogere zandgronden)	0.03	0.06	+ 0.03		
Hg1Do Hoogveenbossen	0.03	0.06	+ 0.03		
H7120ah Herstellende hoogvenen, actief hoogveen	0.03	>0.05	+ 0.03		
Hg1EoC Vochtige alluviale bossen (beekbegeleidende bossen)	0.03	>0.05	+ 0.03		
H4030 Droge heiden	0.03	>0.05	+ 0.03		





Willinks Weust

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg160A Eiken-haagbeukenbossen (hogere zandgronden)	0.03	>0.05	+ 0.03		
Hg120 Beuken-eikenbossen met hulst	0.03	>0.05	+ 0.03		
H5130 Jeneverbesstruwelen	0.02	>0.05	+ 0.03		
H6410 Blauwgraslanden	0.02	>0.05	+ 0.03		
H6230vka Heischrale graslanden, vochtig kalkarm	0.02	>0.05	+ 0.03		

Witte Veen

Habitattype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H4010A Vochtige heiden (hogere zandgronden)	0.03	>0.05	+ 0.03		
H4030 Droge heiden	0.02	>0.05	+ 0.03		

Vlijmens Ven, Moerputten & Bossche Broek

Habitattype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H6510A Glanshaver- en vossenstaarthooilanden (glanshaver)	0.03	>0.05	+ 0.03		
H6410 Blauwgraslanden	0.02	>0.05	+ 0.03		

Wooldse Veen

Habitattype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H7120ah Herstellende hoogvenen, actief hoogveen	0.02	>0.05	+ 0.03		

Lingegebied & Diefdijk-Zuid

Habitattype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H9999:70 Habitattype onbekend/onzeker KDW op basis meest kritische aangewezen type (H7230)	0.03	>0.05	+ 0.03		

- ☐ No exceedance*
- ☒ Exceedance
- ☒ Development space available**
- ☒ No development space available
- ☒ There is no effect here which is relevant for the development space

















* This result is not taken into account when assessing under the Nature Conservation Act. When assessing under the Nature Conservation Act the relevant hexagons for which development space is reserved will be looked at.

** When assessing a permit application under the Nature Conservation Act it will be determined whether there is sufficient development space available and that significant deterioration can be excluded.

Deposition
remaining
areas

Area	Hectare with highest difference (mol/ha/y)			Highest deposition Situation 2 (mol/ha/y)	Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference			
Wyler Meer (Teilfläche des NSG Düffel)	0.21	0.40	+ 0.19	0.40		
Vogelschutzgebiet 'Unterer Niederrhein'	0.21	0.40	+ 0.19	0.40		
Reichswald	0.11	0.23	+ 0.12	0.23		
NSG Salmorth, nur Teilfläche	0.12	0.22	+ 0.11	0.22		
Rhein-Fischschutzzonen zwischen Emmerich und Bad Honnef	0.10	0.20	+ 0.10	0.20		
NSG Kranenburger Bruch	0.10	0.20	+ 0.09	0.20		
NSG Emmericher Ward	0.09	0.17	+ 0.08	0.17		
Dornicksche Ward	0.09	0.17	+ 0.08	0.17		
'Brutbaeume' des Heldbock (Grosser Eichenbock) in Emmerich	0.06	0.13	+ 0.07	0.13		
NSG Kellener Altrhein, nur Teilfläche, mit Erweiterung	0.06	0.12	+ 0.06	0.12		
Wisseler Dünen	0.07	0.13	+ 0.06	0.13		
Erlenwälder bei Gut Hovesaat	>0.05	0.11	+ 0.06	0.11		
NSG Bienener Altrhein, Millinger u. Hurler Meer u. NSG Empeler M	0.07	0.12	+ 0.06	0.12		
Kalflack	>0.05	0.10	+ >0.05	0.10		
Uedemer Hochwald	0.05	0.10	+ >0.05	0.10		

Area	Hectare with highest difference (mol/ha/y)			Highest deposition Situation 2 (mol/ha/y)	Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference			
NSG Hetter-Millinger Bruch, mit Erweiterung	0.05	0.09	+ 0.05	0.09		
Diersfordter Wald/ Schnepfenberg	0.04	0.08	+ 0.04	0.08		
Klevsche Landwehr, Anholt. Issel, Feldschlaggr. u. Regnieter Bac	0.04	0.08	+ 0.04	0.08		
NSG Grietherorter Altrhein	0.04	0.08	+ 0.04	0.08		
Grosses Veen	0.03	0.07	+ 0.04	0.07		
Fleuthkuhlen	0.03	0.07	+ 0.04	0.07		
Schwarzes Wasser	0.03	0.07	+ 0.04	0.07		
Burlo-Vardingholter Venn und Entenschlatt	0.03	0.06	+ 0.03	0.06		
Vogelschutzgebiet 'Moore und Heiden des westlichen Münsterlandes	0.03	0.06	+ 0.03	0.06		
Lüntener Fischteich u. Ammeloer Venn	0.03	0.06	+ 0.03	0.06		
NSG Rheinaue Bislich-Vahnum, nur Teilfläche	0.03	0.06	+ 0.03	0.06		
NSG Sonsfeldsche Bruch, Hagener Meer und Düne, mit Erweiterung	0.03	0.06	+ 0.03	0.06		
Zwillbrocker Venn u. Ellewicker Feld	0.03	0.06	+ 0.03	0.06		
NSG Altrhein Reeser Eyland, mit Erweiterung	0.03	0.06	+ 0.03	0.06		

Area	Hectare with highest difference (mol/ha/y)			Highest deposition Situation 2 (mol/ha/y)	Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference			
NSG Reeser Schanz	0.03	0.06	+ 0.03	0.06		
Schwattet Gatt	0.03	0.06	+ 0.03	0.06		
NSG - Komplex In den Drevenacker Dünen, mit Erweiterung	0.03	0.06	+ 0.03	0.06		
Berkel	0.03	>0.05	+ 0.03	>0.05		
NSG Gut Grindt u. NSG Rheinaue zw. Km 830,7 - 833,2 , nur Teilfl	0.03	>0.05	+ 0.03	>0.05		
NSG Lohwardt/Reckerfeld, Hübsche Grändort, nur Teilfl., mit Erw.	0.03	>0.05	+ 0.03	>0.05		
Kaninchenberge	0.02	>0.05	+ 0.03	>0.05		
Witte Venn, Krosewicker Grenzwald	0.02	>0.05	+ 0.03	>0.05		
NSG Bislicher Insel, nur Teilfläche	0.03	>0.05	+ 0.03	>0.05		



 No exceedance*

 Exceedance



* This result is not taken into account when assessing under the Nature Conservation Act. When assessing under the Nature Conservation Act the relevant hexagons for which development space is reserved will be looked at.

Deposition per
habitat



Wylter Meer (Teilfläche des NSG Düffel)

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedanc e critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg999:1180c Habitatype onbekend/onzeker (buitenland)	0.21	0.40	+ 0.19		



Vogelschutzgebiet 'Unterer Niederrhein'

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedanc e critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg999:1198c Habitatype onbekend/onzeker (buitenland)	0.21	0.40	+ 0.19		



Reichswald

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedanc e critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg999:1194c Habitatype onbekend/onzeker (buitenland)	0.11	0.23	+ 0.12		



NSG Salmorth, nur Teilfläche

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedanc e critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg999:1181c Habitatype onbekend/onzeker (buitenland)	0.12	0.22	+ 0.11		

Rhein-Fischschutzzonen zwischen Emmerich und Bad Honnef

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg999:1235c Habitatype onbekend/onzekeer (buitenland)	0.10	0.20	+ 0.10		



NSG Kranenburger Bruch

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg999:1193c Habitatype onbekend/onzekeer (buitenland)	0.10	0.20	+ 0.09		



NSG Emmericher Ward

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg999:1183c Habitatype onbekend/onzekeer (buitenland)	0.09	0.17	+ 0.08		



Dornicksche Ward

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg999:1182c Habitatype onbekend/onzekeer (buitenland)	0.09	0.17	+ 0.08		



'Brutbaeume' des Heldbock (Grosser Eichenbock) in Emmerich

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg999:1185c Habitatype onbekend/onzekeer (buitenland)	0.06	0.13	+ 0.07		



NSG Kellener Altrhein, nur Teilfläche, mit Erweiterung

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H9999:1184c Habitatype onbekend/onzekeer (buitenland)	0.06	0.12	+ 0.06		



Wisseler Dünen

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H9999:1195c Habitatype onbekend/onzekeer (buitenland)	0.07	0.13	+ 0.06		



Erlenwälder bei Gut Hovesaat

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H9999:1217c Habitatype onbekend/onzekeer (buitenland)	>0.05	0.11	+ 0.06		



NSG Bienener Altrhein, Millinger u. Hurler Meer u. NSG Empeler M

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H9999:1187c Habitatype onbekend/onzekeer (buitenland)	0.07	0.12	+ 0.06		



Kalflack

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg999:1196c Habitatype onbekend/onzeker (buitenland)	>0.05	0.10	+ >0.05		



Uedemer Hochwald

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg999:1218c Habitatype onbekend/onzeker (buitenland)	0.05	0.10	+ >0.05		



NSG Hetter-Millinger Bruch, mit Erweiterung

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg999:1186c Habitatype onbekend/onzeker (buitenland)	0.05	0.09	+ 0.05		



Diersfordter Wald/ Schnepfenberg

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg999:1205c Habitatype onbekend/onzeker (buitenland)	0.04	0.08	+ 0.04		



Klevsche Landwehr, Anholt. Issel, Feldschlaggr. u. Regnieter Bac

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg999:1188c Habitatype onbekend/onzeker (buitenland)	0.04	0.08	+ 0.04		



NSG Grietherorter Altrhein

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H9999:1197c Habitatype onbekend/onzekeer (buitenland)	0.04	0.08	+ 0.04		



Grosses Veen

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H9999:1204c Habitatype onbekend/onzekeer (buitenland)	0.03	0.07	+ 0.04		



Fleuthkuhlen

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H9999:1233c Habitatype onbekend/onzekeer (buitenland)	0.03	0.07	+ 0.04		



Schwarzes Wasser

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H9999:1223c Habitatype onbekend/onzekeer (buitenland)	0.03	0.07	+ 0.04		



Burlo-Vardingholter Venn und Entenschlatt

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg999:1171c Habitatype onbekend/onzekeer (buitenland)	0.03	0.06	+ 0.03		



Vogelschutzgebiet 'Moore und Heiden des westlichen Münsterlandes

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg999:1157c Habitatype onbekend/onzekeer (buitenland)	0.03	0.06	+ 0.03		



Lüntener Fischteich u. Ammeloer Venn

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg999:1153c Habitatype onbekend/onzekeer (buitenland)	0.03	0.06	+ 0.03		



NSG Rheinaue Bislich-Vahnum, nur Teilfläche

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg999:1219c Habitatype onbekend/onzekeer (buitenland)	0.03	0.06	+ 0.03		



NSG Sonsfeldsche Bruch, Hagener Meer und Düne, mit Erweiterung

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg999:1202c Habitatype onbekend/onzekeer (buitenland)	0.03	0.06	+ 0.03		



Zwillbrocker Venn u. Ellewicker Feld

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H9999:1164c Habitatype onbekend/onzekeer (buitenland)	0.03	0.06	+ 0.03		



NSG Altrhein Reeser Eyland, mit Erweiterung

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H9999:1201c Habitatype onbekend/onzekeer (buitenland)	0.03	0.06	+ 0.03		

NSG Reeser Schanz

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H9999:1199c Habitatype onbekend/onzekeer (buitenland)	0.03	0.06	+ 0.03		

Schwattet Gatt

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H9999:1165c Habitatype onbekend/onzekeer (buitenland)	0.03	0.06	+ 0.03		

NSG - Komplex In den Drevenacker Dünen, mit Erweiterung

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg999:1226c Habitatype onbekend/onzekeer (buitenland)	0.03	0.06	+ 0.03		

Berkel

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg999:1172c Habitatype onbekend/onzekeer (buitenland)	0.03	>0.05	+ 0.03		

NSG Gut Grindt u. NSG Rheinaue zw. Km 830,7 - 833,2 , nur Teilfl

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg999:1203c Habitatype onbekend/onzekeer (buitenland)	0.03	>0.05	+ 0.03		



NSG Lohwardt/Reckerfeld, Hübsche Grändort, nur Teilfl., mit Erw.

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg999:1200c Habitatype onbekend/onzekeer (buitenland)	0.03	>0.05	+ 0.03		



Kaninchenberge

Habitatype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
Hg999:1227c Habitatype onbekend/onzekeer (buitenland)	0.02	>0.05	+ 0.03		

Witte Venn, Krosewicker Grenzwald

Habitattype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H9999:1155c Habitattype onbekend/onzekeer (buitenland)	0.02	>0.05	+ 0.03		

NSG Bislicher Insel, nur Teilfläche

Habitattype	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development space available
	Situation 1	Situation 2	Difference		
H9999:1220c Habitattype onbekend/onzekeer (buitenland)	0.03	>0.05	+ 0.03		

 No exceedance* Exceedance

* This result is not taken into account when assessing under the Nature Conservation Act. When assessing under the Nature Conservation Act the relevant hexagons for which development space is reserved will be looked at.

Disclaimer

Although the calculation is made with the utmost care, no responsibility will be taken with respect to the decisions taken based on the results of the calculation. The information provided can be used to substantiate a permit request. AERIUS accepts no responsibility for the content of information provided by third parties. The above data and corresponding results are valid till a new version of AERIUS is available. AERIUS is a registered trademark in Europe. All rights not expressly granted herein are reserved.

References for calculations

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For more information about the methodology and data see:

<https://www.aerius.nl/nl/factsheets/release/aerius-calculator-2015-handboek-0>

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