

BIJLAGE 8 AERIUS-BEREKENING EN VEESALDOKAART

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 Wet natuurbescherming.

De resultaten geven de stikstofeffecten van deze activiteit weer voor Natura 2000-gebieden. AERIUS 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.

Calculation aanvraag

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

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

www.aerius.nl.

AERIUS CALCULATOR

Contact

Legal entity	Facility Location
Duijnhoven	Noormansweg 3, 4693 RP Poortvliet

Activity

Description	AERIUS reference
Duijnhoven Tholen	RaGEBd76RCAD

Calculation date	Calculation year
25 July 2017, 18:34	2017

Total emission

	Situation 1	Situation 2	Difference
NOx	-	-	-
NH ₃	6,480.00 kg/y	6,463.20 kg/y	-16.80 kg/y

Deposition

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

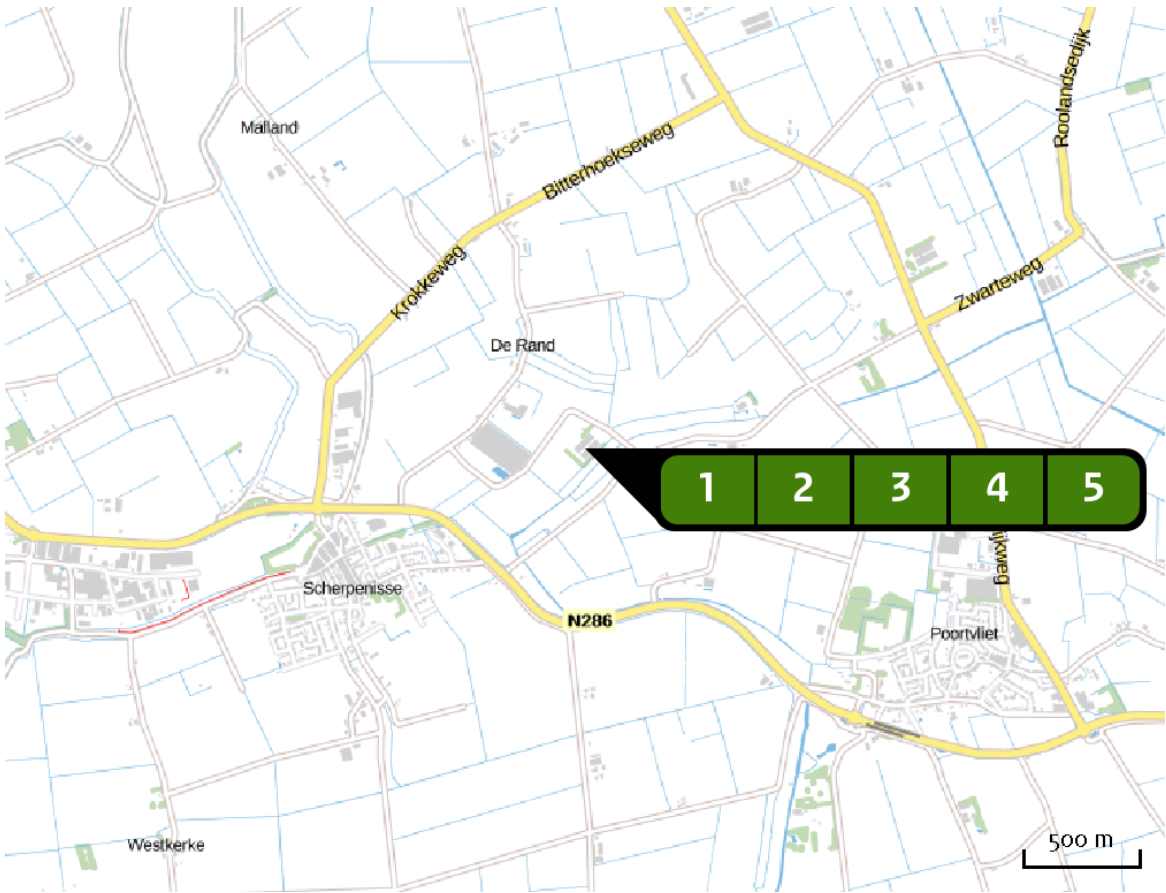
Nature area	Province
Grevelingen	Zuid-Holland

Situation 1	Situation 2	Difference
0.13	0.17	+ 0.04

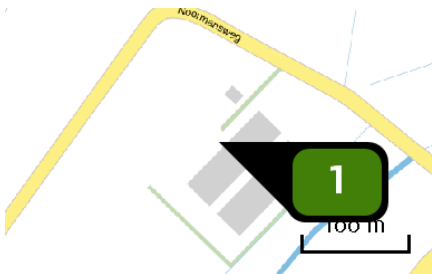
Clarification

vergunning 2017 vs feitelijk

Location
aanvraag



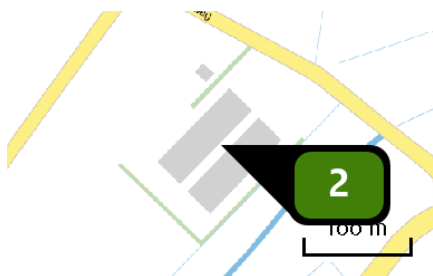
Emission
(by source)
aanvraag



Name
Location (X,Y)
Height
Heat content
NH3

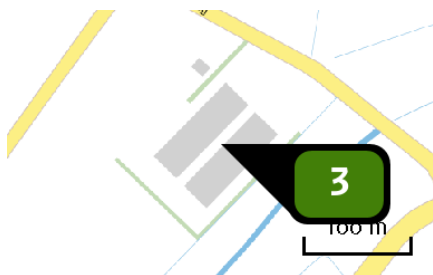
Stal 1
67084, 396750
1.0 m
0.000 MW
1,425.60 kg/y

Anim al	RAV code	Description	Amount	Substa nce	Emission factor (kg/animal/y)	Emission
	CST	RAV090106	1,188	NH3	1.200	1,425.60 kg/y



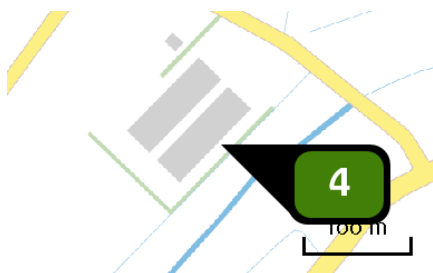
Name **Stal 2**
Location (X,Y) **67113, 396726**
Height **1.0 m**
Heat content **0.000 MW**
NH₃ **1,425.60 kg/y**

Animal	RAV code	Description	Amount	Substance	Emission factor (kg/animal/y)	Emission
	CST	RAV090106	1,188	NH ₃	1.200	1,425.60 kg/y



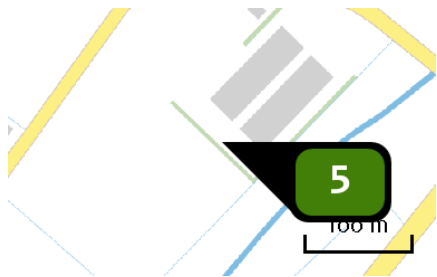
Name **Stal 3**
Location (X,Y) **67117, 396722**
Height **1.0 m**
Heat content **0.000 MW**
NH₃ **907.20 kg/y**

Animal	RAV code	Description	Amount	Substance	Emission factor (kg/animal/y)	Emission
	CST	RAV090106	756	NH ₃	1.200	907.20 kg/y



Name **Stal 4**
Location (X,Y) **67142, 396698**
Height **1.0 m**
Heat content **0.000 MW**
NH₃ **1,425.60 kg/y**

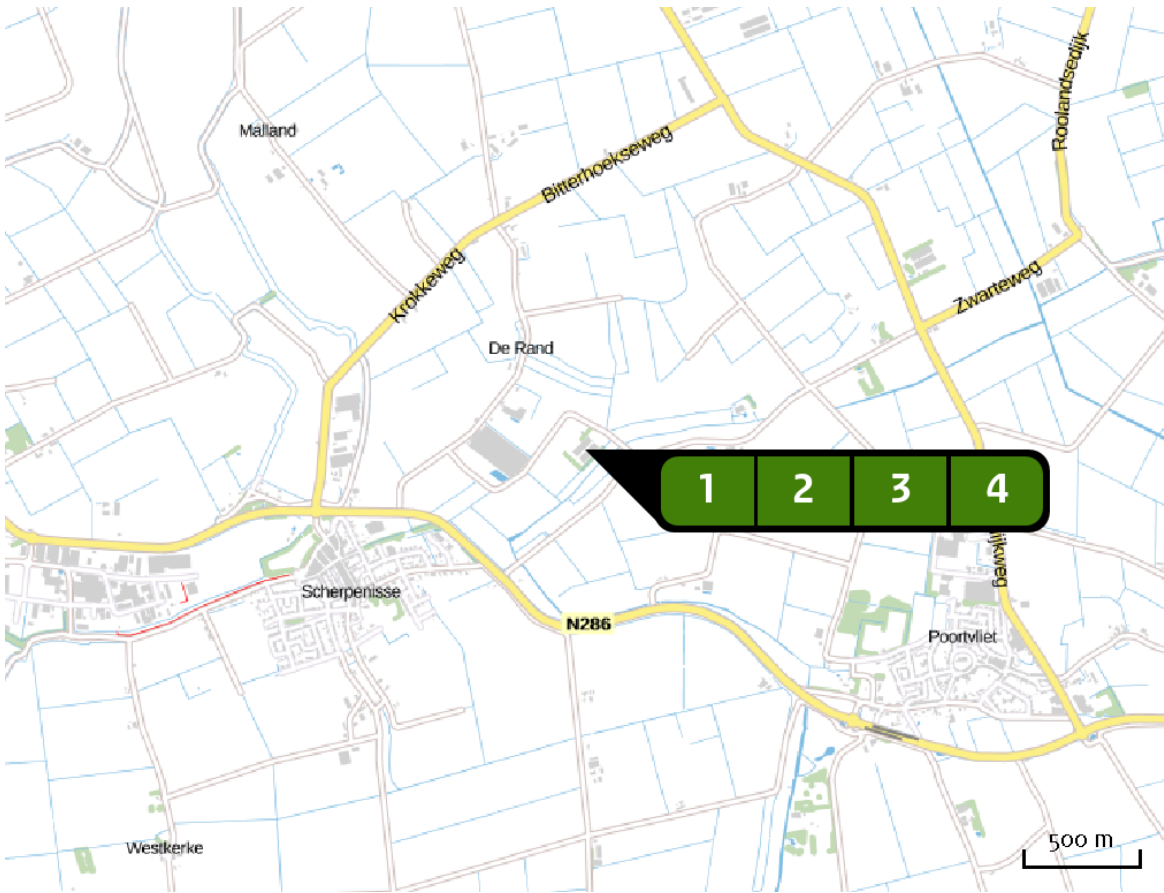
Animal	RAV code	Description	Amount	Substance	Emission factor (kg/animal/y)	Emission
	CST	RAV090106	1,188	NH ₃	1.200	1,425.60 kg/y



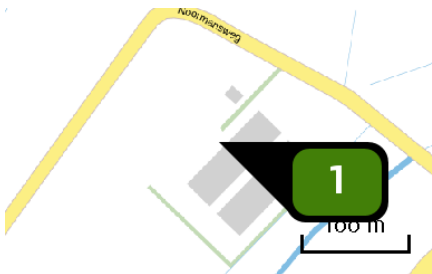
Name **Stal 5**
Location (X,Y) **67065, 396671**
Height **1.0 m**
Heat content **0.000 MW**
NH₃ **1,296.00 kg/y**

Anim al	RAV code	Description	Amount	Substa nce	Emission factor (kg/animal/y)	Emission
	CST	RAVo90106	1,080	NH ₃	1.200	1,296.00 kg/y

Location
feitelijk 23-01-2012

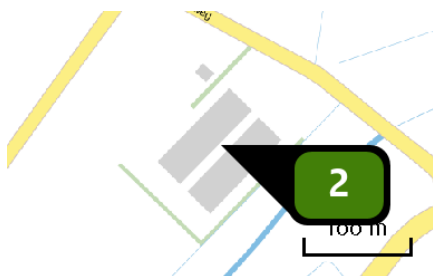


Emission
(by source)
feitelijk 23-01-2012



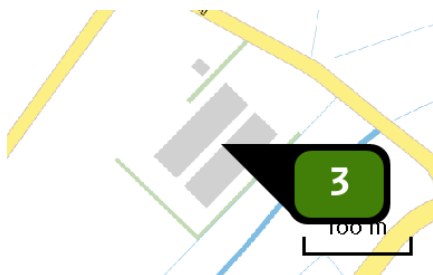
Name **Stal 1**
Location (X,Y) **67084, 396750**
Height **1.0 m**
Heat content **0.000 MW**
NH3 **1,782.00 kg/y**

Anim al	RAV code	Description	Amount	Substa nce	Emission factor (kg/animal/y)	Emission
	CST	Hartman biobed	1,485	NH3	1.200	1,782.00 kg/y



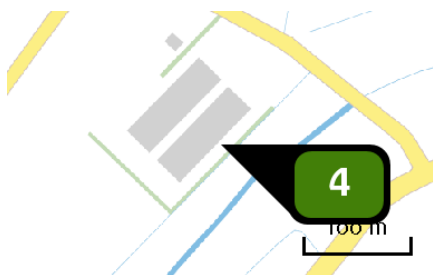
Name **Stal 2**
Location (X,Y) **67113, 396726**
Height **1.0 m**
Heat content **0.000 MW**
NH₃ **1,782.00 kg/y**

Animal	RAV code	Description	Amount	Substance	Emission factor (kg/animal/y)	Emission
	CST	Hartmann biobed	1,485	NH ₃	1.200	1,782.00 kg/y



Name **Stal 3**
Location (X,Y) **67117, 396722**
Height **1.0 m**
Heat content **0.000 MW**
NH₃ **1,117.20 kg/y**

Animal	RAV code	Description	Amount	Substance	Emission factor (kg/animal/y)	Emission
	CST	Hartmann biobed	931	NH ₃	1.200	1,117.20 kg/y



Name **Stal 4**
Location (X,Y) **67142, 396698**
Height **1.0 m**
Heat content **0.000 MW**
NH₃ **1,782.00 kg/y**

Animal	RAV code	Description	Amount	Substance	Emission factor (kg/animal/y)	Emission
	CST	Hartmann biobed	1,485	NH ₃	1.200	1,782.00 kg/y

Deposition



Deposition
NCA areas

Area	Hectare with highest difference (mol/ha/y)			Situation 2 Highest deposition (mol/ha/y)	Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference			Highest required (mol/ha/y)	available?
Grevelingen	0.13	0.17	+ 0.04	0.39	●	<=0.05	✓
Voornes Duin	0.10	0.13	+ 0.04	0.16	●	<=0.05	✓
Duinen Goeree & Kwade Hoek	0.06	0.09	+ 0.03	0.14	●	<=0.05	✓
Ulvenhoutse Bos	0.06	0.07	+ 0.01	0.08	●	<=0.05	✓
Kop van Schouwen	0.04	>0.05	+ 0.01	0.13	●	<=0.05	✓
Brabantse Wal	0.12	0.13	+ 0.01	0.21	●	<=0.05	✓
Krammer-Volkerak	0.33	0.34	+ 0.01	0.81	●	<=0.05	✓
Oosterschelde	1.16	1.17	+ 0.00	2.76	●	<=0.05	✓
Solleveld & Kapittelduinen	0.07	0.07	+ 0.00	0.08	●	<=0.05	✓
Manteling van Walcheren	0.05	>0.05	+ 0.00	0.08	●	<=0.05	✓
Westerschelde & Saeftinghe	0.06	0.06	+ 0.00	0.17	●	<=0.05	✓

○ No exceedance*

● Exceedance

✓ Development room available**

✗ No development room available

 No relevant deposition is taking place on deposition space relevant hexagons in the area in question. The concept deposition space does not apply

* 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 room 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 room available and that significant deterioration can be excluded.

Deposition per
habitat

Grevelingen

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room Highest required (mol/ha/y)	available? 
	Situation 1	Situation 2	Difference			
H2170 Kruipwilgstruwelen	0.13	0.17	+ 0.04	●	<=0.05	
H2160 Duindoornstruwelen	0.13	0.17	+ 0.04	●	<=0.05	
H1330B Schorren en zilte graslanden (binnendijks)	0.10	0.14	+ 0.04	●	<=0.05	
H2190B Vochtige duinvalleien (kalkrijk)	0.09	0.13	+ 0.03	●	<=0.05	
H1310B Zilte pionierbegroeiingen (zeevetmuur)	0.09	0.12	+ 0.03	●	<=0.05	
H1310A Zilte pionierbegroeiingen (zeekraal)	0.09	0.12	+ 0.03	●	<=0.05	

Voornes Duin

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference		Highest required (mol/ha/y)	available?
H218oB Duinbossen (vochtig)	0.10	0.13	+ 0.04	○	<=0.05	✓
Lg12 Zoom, mantel en droog struweel van de duinen	0.10	0.13	+ 0.04	●	<=0.05	✓
H218oC Duinbossen (binnenduinrand)	0.10	0.13	+ 0.04	●	<=0.05	✓
H216o Duindoornstruwelen	0.10	0.13	+ 0.04	○	<=0.05	✓
H219oAom Vochtige duinvalleien (open water), oligo- tot mesotrofe vormen	0.13	0.16	+ 0.03	●	<=0.05	✓
H218oAo Duinbossen (droog), overig	0.13	0.16	+ 0.03	●	<=0.05	✓
H213oA Grijze duinen (kalkrijk)	0.09	0.13	+ 0.03	●	<=0.05	✓
H219oB Vochtige duinvalleien (kalkrijk)	0.04	0.06	+ 0.02	●	<=0.05	✓
H212o Witte duinen	0.04	0.06	+ 0.02	●	<=0.05	✓
H213oC Grijze duinen (heischraal)	0.04	0.06	+ 0.02	●	<=0.05	✓
H219oAe Vochtige duinvalleien (open water), (matig) eutrofe vormen	0.12	0.12	+ 0.00	○	<=0.05	✓
H217o Kruiwilgstruwelen	>0.05	>0.05	- 0.00	○	<=0.05	✓

Duinen Goeree & Kwade Hoek

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference		Highest required (mol/ha/y)	available?
H2130B Grijs duinen (kalkarm)	0.06	0.09	+ 0.03	●	<=0.05	✓
Lg12 Zoom, mantel en droog struweel van de duinen	>0.05	0.08	+ 0.02	●	<=0.05	✓
H2160 Duindoornstruwelen	>0.05	0.08	+ 0.02	●	<=0.05	✓
H2130A Grijs duinen (kalkrijk)	>0.05	0.07	+ 0.02	●	<=0.05	✓
H2190B Vochtige duinvalleien (kalkrijk)	>0.05	0.08	+ 0.02	●	<=0.05	✓
H2190C Vochtige duinvalleien (ontkalkt)	0.04	0.06	+ 0.02	●	<=0.05	✓
H1330A Schorren en zilte graslanden (buitendijks)	0.06	0.06	+ 0.00	●	<=0.05	✓
H1310B Zilte pionierbegroeiingen (zevetmuur)	0.05	>0.05	+ 0.00	○	<=0.05	✓
H2120 Witte duinen	>0.05	>0.05	+ 0.00	○	<=0.05	✓
H2110 Embryonale duinen	>0.05	>0.05	+ 0.00	○	<=0.05	✗
H2190Aom Vochtige duinvalleien (open water), oligo- tot mesotrofe vormen	0.06	0.06	+ 0.00	●	<=0.05	✓
H2130C Grijs duinen (heischraal)	0.06	0.06	- 0.00	●	<=0.05	✓
H1310A Zilte pionierbegroeiingen (zeekraal)	>0.05	>0.05	- 0.00	○	<=0.05	✓

Ulvenhoutse Bos

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference		Highest required (mol/ha/y)	available?
Hg120 Beuken-eikenbossen met hulst	0.06	0.07	+ 0.01	●	<=0.05	✓
Hg160A Eiken-haagbeukenbossen (hogere zandgronden)	0.06	0.07	+ 0.01	●	<=0.05	✓
Hg1EoC Vochtige alluviale bossen (beekbegeleidende bossen)	0.06	0.07	+ 0.01	●	<=0.05	✓

Kop van Schouwen

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference		Highest required (mol/ha/y)	available?
H2180A Duinbossen (droog), berken-eikenbos	0.04	>0.05	+ 0.01	●	<=0.05	✓
H2180B Duinbossen (vochtig)	0.04	>0.05	+ 0.01	○	<=0.05	✓
H2180C Duinbossen (binnenduinrand)	0.11	0.11	+ 0.00	●	<=0.05	✓
H2160 Duindoornstruwelen	0.11	0.11	+ 0.00	○	<=0.05	✓
H2130B Grijze duinen (kalkarm)	0.12	0.12	+ 0.00	●	<=0.05	✓
H2130C Grijze duinen (heischraal)	0.09	0.09	+ 0.00	●	<=0.05	✓
H2130A Grijze duinen (kalkrijk)	0.09	0.09	+ 0.00	●	<=0.05	✓
H2190C Vochtige duinvalleien (ontkalkt)	0.07	0.07	- 0.00	●	<=0.05	✓
H6410 Blauwgraslanden	>0.05	>0.05	- 0.00	●	<=0.05	✓
H2190A Vochtige duinvalleien (open water)	0.06	0.06	- 0.00	●	<=0.05	✓
H2120 Witte duinen	>0.05	>0.05	- 0.00	○	<=0.05	✓
H2190B Vochtige duinvalleien (kalkrijk)	0.07	0.07	- 0.00	○	<=0.05	✓
H2150 Duinheiden met struikhei	0.07	0.07	- 0.00	●	<=0.05	✓
H9999:116 Habitattype onbekend/onzeker KDW op basis meest kritische aangewezen type (H2130B, H2130C)	0.09	0.09	- 0.00	●	<=0.05	✓

Brabantse Wal

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference		Highest required (mol/ha/y)	available?
ZGH316o Zure vennen	0.12	0.13	+ 0.01	●	<=0.05	✓
H4010A Vochtige heiden (hogere zandgronden)	0.18	0.18	+ 0.00	●	<=0.05	✓
H4030 Droge heiden	0.17	0.17	+ 0.00	●	<=0.05	✓
H316o Zure vennen	0.16	0.16	+ 0.00	●	<=0.05	✓
H2310 Stuifzandheiden met struikhei	0.12	0.12	+ 0.00	●	<=0.05	✓
H2330 Zandverstuivingen	0.12	0.12	+ 0.00	●	<=0.05	✓
ZGH4010A Vochtige heiden (hogere zandgronden)	0.12	0.12	0.00	●	<=0.05	✓
H3130 Zwakgebufferde vennen	0.10	0.10	- 0.00	●	<=0.05	✓
H9190 Oude eikenbossen	0.16	0.16	- 0.00	●	<=0.05	✓
ZGH9190 Oude eikenbossen	0.16	0.16	- 0.00	●	<=0.05	✓
ZGH3130 Zwakgebufferde vennen	0.12	0.12	- 0.00	●	<=0.05	✓
ZGH4030 Droge heiden	0.12	0.12	- 0.00	●	<=0.05	✓
ZGH2310 Stuifzandheiden met struikhei	0.12	0.12	- 0.00	●	<=0.05	✓

Krammer-Volkerak

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference		Highest required (mol/ha/y)	available?
H1330B Schorren en zilte graslanden (binnendijks)	0.33	0.34	+ 0.01	●	<=0.05	✓
H2190B Vochtige duinvalleien (kalkrijk)	0.35	0.36	+ 0.01	●	<=0.05	✓
H1310A Zilte pionierbegroeiingen (zeekraal)	0.48	0.49	+ 0.00	○	<=0.05	✓
H2160 Duindoornstruwelen	0.26	0.26	+ 0.00	●	<=0.05	✓
H2170 Kruipwilgstruwelen	0.37	0.37	+ 0.00	○	<=0.05	⊘
H6510A Glanshaver- en vossenstaarthooilanden (glanshaver)	0.22	0.22	+ 0.00	○	<=0.05	⊘

Oosterschelde

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference		Highest required (mol/ha/y)	available?
H1330A Schorren en zilte graslanden (buitendijks)	1.16	1.17	+ 0.00	●	<=0.05	✓
H1320 Slijkgrasvelden	1.16	1.17	+ 0.00	●	<=0.05	✓
H1330B Schorren en zilte graslanden (binnendijks)	0.19	0.19	+ 0.00	●	<=0.05	✓
H1310A Zilte pionierbegroeiingen (zeekraal)	1.13	1.13	+ 0.00	○	<=0.05	✓

Solleveld & Kapittelduinen

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference		Highest required (mol/ha/y)	available?
H218oC Duinbossen (binnenduinrand)	0.07	0.07	+ 0.00	●	<=0.05	✓
H218oAo Duinbossen (droog), overig	0.07	0.07	+ 0.00	●	<=0.05	✓
H218oAbe Duinbossen (droog), berken-eikenbos	>0.05	>0.05	+ 0.00	●	<=0.05	✓
Lg12 Zoom, mantel en droog struweel van de duinen	0.06	0.06	+ 0.00	●	<=0.05	✓
H216o Duindoornstruwelen	0.06	0.06	+ 0.00	●	<=0.05	✓
H213oA Grijs duinen (kalkrijk)	0.06	0.06	+ 0.00	●	<=0.05	✓
H219oAe Vochtige duinvalleien (open water), (matig) eutrofe vormen	0.06	0.06	- 0.00	○	<=0.05	✓
H215o Duinheiden met struikhei	>0.05	>0.05	- 0.00	●	<=0.05	✓

Manteling van Walcheren

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference		Highest required (mol/ha/y)	available?
H218oA Duinbossen (droog), berken-eikenbos	0.05	>0.05	+ 0.00	●	<=0.05	✓
H213oB Grijze duinen (kalkarm)	0.05	>0.05	+ 0.00	●	<=0.05	✓
H216o Duindoornstruwelen	0.05	>0.05	+ 0.00	○	<=0.05	✓
H219oC Vochtige duinvalleien (ontkalkt)	0.05	>0.05	+ 0.00	●	<=0.05	✓
H218oC Duinbossen (binnenduinrand)	0.07	0.07	+ 0.00	●	<=0.05	✓
H218oB Duinbossen (vochtig)	>0.05	>0.05	- 0.00	○	<=0.05	✓
H213oA Grijze duinen (kalkrijk)	>0.05	>0.05	- 0.00	●	<=0.05	✓
H219oA Vochtige duinvalleien (open water)	>0.05	>0.05	- 0.00	●	<=0.05	✓

Westerschelde & Saeftinghe

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room Highest required (mol/ha/y)	Development room available?
	Situation 1	Situation 2	Difference			
H1320 Slijkgrasvelden	0.06	0.06	+ 0.00		<=0.05	
H1330A Schorren en zilte graslanden (buitendijks)	0.07	0.07	+ 0.00		<=0.05	
H1310A Zilte pionierbegroeiingen (zeekraal)	0.06	0.06	+ 0.00		<=0.05	
H2190B Vochtige duinvalleien (kalkrijk)	0.06	0.06	- 0.00		<=0.05	
H1310B Zilte pionierbegroeiingen (zeevetmuur)	0.07	0.07	- 0.00		<=0.05	
H2160 Duindoornstruwelen	0.11	0.11	- 0.00		<=0.05	
H1330B Schorren en zilte graslanden (binnendijks)	0.13	0.13	- 0.00		<=0.05	

 No exceedance* Exceedance Development room available** No development room available No relevant deposition is taking place on deposition space relevant hexagons in the area in question. The concept deposition space does not apply

* 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 room 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 room available and that significant deterioration can be excluded.

Deposition
remaining
areas

Area	Hectare with highest difference (mol/ha/y)			Situation 2 Highest deposition (mol/ha/y)	Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference			Highest required (mol/ha/y)	available?
De Kalmthouse Heide	0.14	0.18	+ 0.03	0.21	●	<=0.05	✓
Kalmthoutse Heide	0.18	0.21	+ 0.03	0.21	●	<=0.05	✓
Bos- en heidegebieden ten oosten van Antwerpen	0.04	0.06	+ 0.03	0.09	○	<=0.05	⊘
Schorren en Polders van de Beneden-Schelde	0.16	0.19	+ 0.03	0.32	○	<=0.05	⊘
De Maatjes, Wuustwezelheide en Groot Schietveld	0.10	0.12	+ 0.02	0.14	○	<=0.05	⊘
Heesbossen, Vallei van Marke en Merkske en Ringven met valleigro	0.08	0.10	+ 0.02	0.10	○	<=0.05	⊘
Klein en Groot Schietveld	0.11	0.13	+ 0.02	0.15	○	<=0.05	⊘
Voordelta	0.04	0.06	+ 0.02	0.07	●	<=0.05	✓
Historische fortengordels van Antwerpen als vleermuizenhabitat.	0.14	0.15	+ 0.01	0.21	○	<=0.05	⊘
Bossen en heiden van zandig Vlaanderen: oostelijk deel	0.08	0.09	+ 0.01	0.12	○	<=0.05	⊘
Yerseke en Kapelse Moer	0.25	0.25	+ 0.00	0.44	○	<=0.05	⊘

Area	Hectare with highest difference (mol/ha/y)			Situation 2 Highest deposition (mol/ha/y)	Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference			Highest required (mol/ha/y)	available?
Schelde- en Durmeëstuarium van de Nederlandse grens tot Gent	0.09	0.09	+ 0.00	0.34		<=0.05	
Het Blak, Kievitsheide, Ekstergoor en nabijgelegen Kamsalamander	0.06	0.06	+ 0.00	0.07		<=0.05	
Haringvliet	0.07	0.07	+ 0.00	0.21		<=0.05	
Durme en Middenloop van de Schelde	0.06	0.06	+ 0.00	0.08		<=0.05	
Kuifeend en Blokkersdijk	0.07	0.07	+ 0.00	0.12		<=0.05	
Polders	0.06	0.06	- 0.00	0.06		<=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 room is reserved will be looked at.

Deposition per
habitat

De Kalmthouse Heide

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference		Highest required (mol/ha/y)	available?
H9999:1013c Habitatype onbekend/onzekeer (buitenland)	0.14	0.18	+ 0.03		<=0.05	

Kalmthoutse Heide

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference		Highest required (mol/ha/y)	available?
H9999:1004c Habitatype onbekend/onzekeer (buitenland)	0.18	0.21	+ 0.03		<=0.05	

Bos- en heidegebieden ten oosten van Antwerpen

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference		Highest required (mol/ha/y)	available?
H9999:1006c Habitatype onbekend/onzekeer (buitenland)	0.04	0.06	+ 0.03		<=0.05	

Schorren en Polders van de Beneden-Schelde

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference		Highest required (mol/ha/y)	available?
H9999:1049c Habitatype onbekend/onzekeer (buitenland)	0.16	0.19	+ 0.03		<=0.05	

De Maatjes, Wuustwezelheide en Groot Schietveld

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference		Highest required (mol/ha/y)	available?
H9999:1015c Habitatype onbekend/onzeker (buitenland)	0.10	0.12	+ 0.02		<=0.05	

Heesbossen, Vallei van Marke en Merkske en Ringven met valleigro

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference		Highest required (mol/ha/y)	available?
H9999:1008c Habitatype onbekend/onzeker (buitenland)	0.08	0.10	+ 0.02		<=0.05	

Klein en Groot Schietveld

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference		Highest required (mol/ha/y)	available?
H9999:1005c Habitatype onbekend/onzeker (buitenland)	0.11	0.13	+ 0.02		<=0.05	

Voordelta

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference		Highest required (mol/ha/y)	available?
H1330A Schorren en zilte graslanden (buitendijks)	0.04	>0.05	+ 0.02		<=0.05	
H2110 Embryonale duinen	>0.05	>0.05	- 0.00		<=0.05	
H1310A Zilte pionierbegroeiingen (zeekraal)	>0.05	>0.05	- 0.00		<=0.05	

Historische fortengordels van Antwerpen als vleermuizenhabitat.

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference		Highest required (mol/ha/y)	available?
H9999:1012c Habitattype onbekend/onzeker (buitenland)	0.14	0.15	+ 0.01		<=0.05	

Bossen en heiden van zandig Vlaanderen: oostelijk deel

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference		Highest required (mol/ha/y)	available?
H9999:1042c Habitattype onbekend/onzeker (buitenland)	0.08	0.09	+ 0.01		<=0.05	

Yerseke en Kapelse Moer

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference		Highest required (mol/ha/y)	available?
H1310A Zilte pionierbegroeiingen (zeekraal)	0.25	0.25	+ 0.00		<=0.05	
H1330B Schorren en zilte graslanden (binnendijks)	0.25	0.25	+ 0.00		<=0.05	

Schelde- en Durmeëstuarium van de Nederlandse grens tot Gent

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference		Highest required (mol/ha/y)	available?
H9999:1043c Habitattype onbekend/onzeker (buitenland)	0.09	0.09	+ 0.00		<=0.05	

Het Blak, Kievitsheide, Ekstergoor en nabijgelegen Kamsalamander

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference		Highest required (mol/ha/y)	available?
H9999:1007c Habitatype onbekend/onzekeer (buitenland)	0.06	0.06	+ 0.00		<=0.05	

Haringvliet

Durme en Middenloop van de Schelde

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference		Highest required (mol/ha/y)	available?
H9999:1048c Habitatype onbekend/onzekeer (buitenland)	0.06	0.06	+ 0.00		<=0.05	

Kuifeend en Blokkersdijk

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference		Highest required (mol/ha/y)	available?
H9999:1046c Habitatype onbekend/onzekeer (buitenland)	0.07	0.07	+ 0.00		<=0.05	

Polders

Habitat type	Hectare with highest difference (mol/ha/y)			Exceedance critical load	Development room	
	Situation 1	Situation 2	Difference		Highest required (mol/ha/y)	available?
H9999:1058c Habitatype onbekend/onzekeer (buitenland)	0.06	0.06	- 0.00		<=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 room 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

This calculation is based on:

AERIUS [version 2016_20170324_a9b5d9a5ef](#)

Database [version 2016_20170301_feb336c45f](#)

For more information about the methodology and data see:

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

Noorman VOF Veesaldokaart				PE5.4.1.0 Teldatum	15-07-15 16:24:31 31-12-12	
Datum wijziging	Dier categorie oud	Dier categorie	Reden	Aantal wijziging	Dier dagen	Aantal aanwezig
Vleesvarkens						
31-12-11		411	B	4343		4343
01-01-12		411	S	-42	4343	4301
02-01-12		411	V	-205	4301	4096
02-01-12		411	A	528		4624
05-01-12		411	V	-407	13872	4217
09-01-12		411	V	-205	16868	4012
09-01-12		411	A	660		4672
12-01-12		411	V	-210	14016	4462
16-01-12		411	A	660	17848	5122
23-01-12		411	A	264	35854	5386
01-02-12		411	S	-47	48474	5339
02-02-12		411	V	-123	5339	5216
01-03-12		411	S	-42	146048	5174
08-03-12		411	V	-205	36218	4969
15-03-12		411	V	-109	34783	4860
22-03-12		411	V	-641	34020	4219
29-03-12		411	V	-590	29533	3629
01-04-12		411	S	-15	10887	3614
02-04-12		411	V	-204	3614	3410
02-04-12		411	A	528		3938
05-04-12		411	V	-410	11814	3528
05-04-12		411	A	384		3912
12-04-12		411	V	-502	27384	3410
16-04-12		411	V	-205	13640	3205
16-04-12		411	A	662		3867
19-04-12		411	V	-205	11601	3662
23-04-12		411	V	-206	14648	3456
23-04-12		411	A	660		4116
26-04-12		411	V	-323	12348	3793
26-04-12		411	A	660		4453
01-05-12		411	S	-20	22265	4433
03-05-12		411	V	-520	8866	3913
07-05-12		411	V	-206	15652	3707
07-05-12		411	A	660		4367
10-05-12		411	V	-205	13101	4162
14-05-12		411	V	-421	16648	3741
14-05-12		411	A	660		4401

Noorman VOF Veesaldokaart				PE5.4.1.0 Teldatum	15-07-15 16:24:31 31-12-12	
Datum wijziging	Dier categorie oud	Dier categorie	Reden	Aantal wijziging	Dier dagen	Aantal aanwezig
Vleesvarkens						
21-05-12		411	V	-217	30807	4184
21-05-12		411	A	528		4712
24-05-12		411	V	-39	14136	4673
24-05-12		411	A	528		5201
01-06-12		411	S	-20	41608	5181
21-06-12		411	V	-101	103620	5080
01-07-12		411	S	-19	50800	5061
19-07-12		411	V	-205	91098	4856
01-08-12		411	S	-24	63128	4832
02-08-12		411	V	-205	4832	4627
06-08-12		411	V	-409	18508	4218
09-08-12		411	V	-205	12654	4013
13-08-12		411	V	-205	16052	3808
13-08-12		411	A	660		4468
16-08-12		411	V	-205	13404	4263
20-08-12		411	V	-216	17052	4047
20-08-12		411	A	660		4707
23-08-12		411	V	-417	14121	4290
27-08-12		411	V	-205	17160	4085
27-08-12		411	A	528		4613
30-08-12		411	V	-407	13839	4206
01-09-12		411	S	-18	8412	4188
03-09-12		411	V	-216	8376	3972
03-09-12		411	A	660		4632
06-09-12		411	V	-408	13896	4224
10-09-12		411	V	-205	16896	4019
10-09-12		411	A	660		4679
13-09-12		411	V	-410	14037	4269
17-09-12		411	V	-205	17076	4064
17-09-12		411	A	675		4739
20-09-12		411	V	-309	14217	4430
24-09-12		411	V	-206	17720	4224
24-09-12		411	A	528		4752
27-09-12		411	V	-216	14256	4536
01-10-12		411	V	-206	18144	4330
01-10-12		411	S	-26		4304
01-10-12		411	A	528		4832

Noorman VOF Veesaldokaart				PE5.4.1.0 Teldatum	15-07-15 16:24:31 31-12-12	
Datum wijziging	Dier categorie oud	Dier categorie	Reden	Aantal wijziging	Dier dagen	Aantal aanwezig
Vleesvarkens						
04-10-12		411	V	-120	14496	4712
08-10-12		411	A	396	18848	5108
01-11-12		411	V	-83	122592	5025
01-11-12		411	S	-42		4983
01-12-12		411	S	-30	149490	4953
13-12-12		411	V	-336	59436	4617
17-12-12		411	V	-263	18468	4354
20-12-12		411	V	-235	13062	4119
20-12-12		411	A	722		4841
29-12-12		411	A	360	43569	5201
31-12-12		411	V	-204	10402	4997
					1740197	:366
					4755	