

This document provides you with results of a nitrogen deposition calculation performed with the AERIUS Calculator. You can use this document as a substantiation of a license under the Nature Conservation Act 1998.

The results indicate nitrogen effects of this project to her surroundings. The area includes both Natura 2000 areas as well as protected natural reserves. Only for Natura 2000 areas habitat types occur and whether the critical load is exceeded. Development room is in the current version of the Calculator is not yet visible.

The calculation of nitrogen emissions is based on the components ammonia (NH₃) and nitrogen oxides (NO_x), or one of each. The deposition of the project will be calculated and drawn in both maximum and average deposition per hectare. The depositions are calculated up to a distance of 15.0 miles from the source.

*Would you like to continue or change data?
Import the PDF using the Calculator.*

Calculation Situation 1

- Characterization
- Emission
- Deposition



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

Project

Legal entity Rho Adviseurs

Project name Het Run

Location Drunen

Calculation date 16 May 2014, 10:57

Calculation year 2014

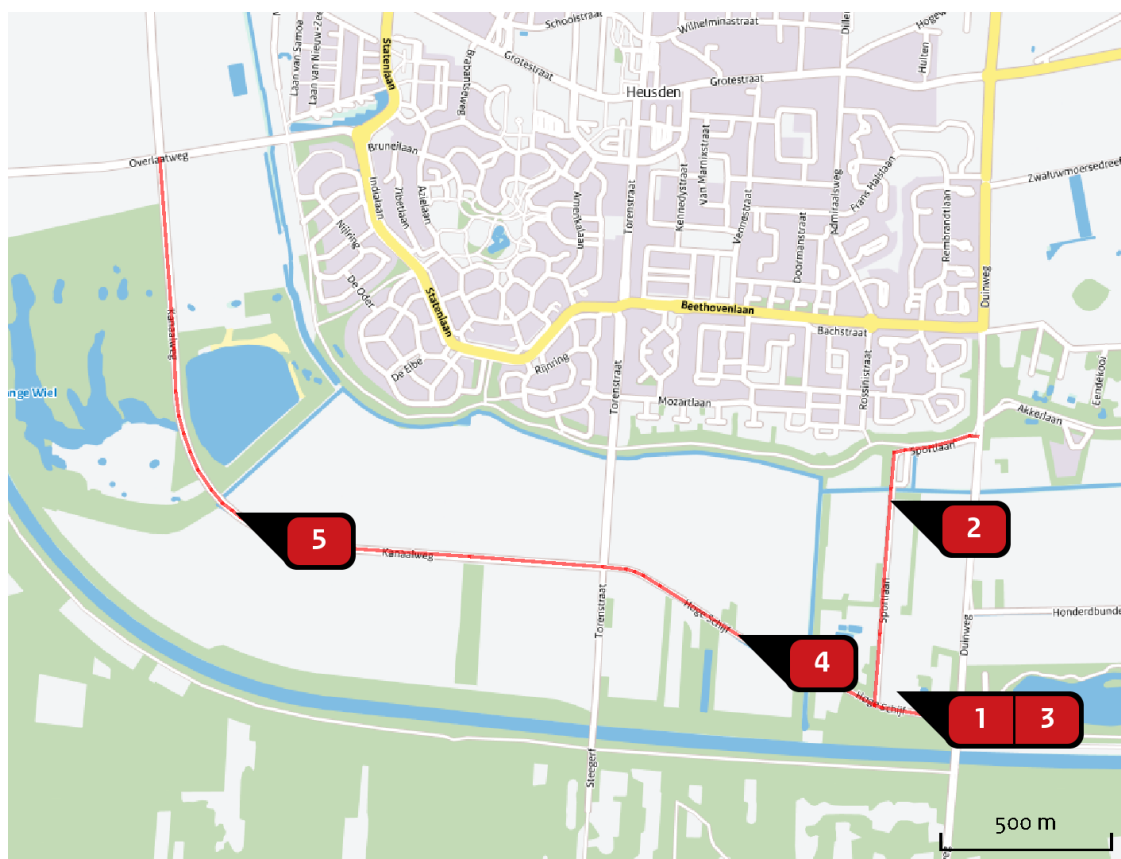
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Total emission

NOx 42 kg/y

NH₃ 2 kg/y

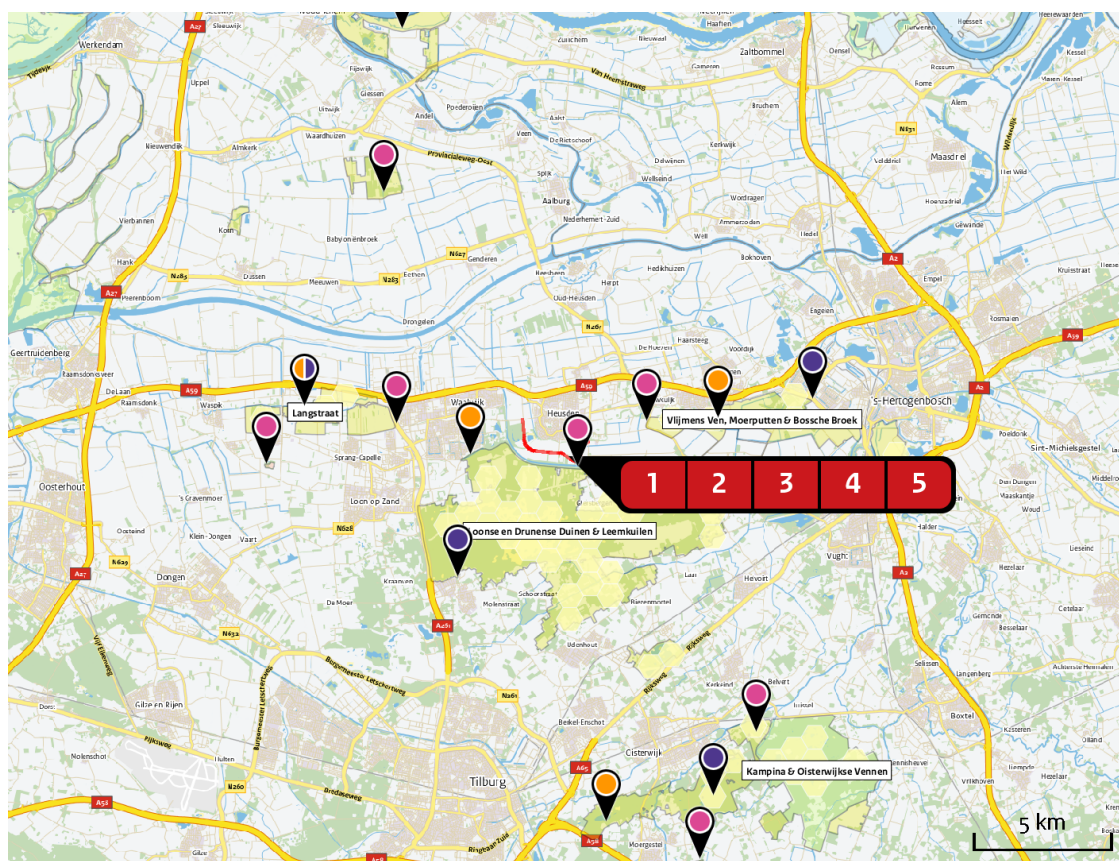
Location



Description Het Run



Area	EU Directives	Background deposition (mol/ha/y)	Highest project contribution (mol/ha/y)	Exceedance critical load
Kampina & Oisterwijkse Vennen	Habitat directive/Bird directive	2,396.0	< 0.1	
Langstraat	Habitat directive	2,391.0	< 0.1	
Loevestein, Pompveld & Kornsche Boezem	Habitat directive	1,942.0	< 0.1	
Loonse en Drunense Duinen & Leemkuilen	Habitat directive	2,677.5	< 0.1	
Vlijmens Ven, Moerputten & Bossche Broek	Habitat directive	2,846.5	< 0.1	



Highest percentage exceeded per area

Deposition
Habitat

Kampina & Oisterwijkse Vennen

Habitats above critical load		CL	Surface (ha)	Deposition by project (mol/y)	Maximum deposition (mol/ha/y)	Average deposition (mol/ha/y)
H2310	Stuifzandheiden met struikhei	1,071	18.2	< 0.1	< 0.1	< 0.1
H2330	Zandverstuivingen	714	0.2	< 0.1	< 0.1	< 0.1
H3110	Zeer zwakgebufferde vennen	429	7.9	< 0.1	< 0.1	< 0.1
H3130	Zwakgebufferde vennen	571	14.2	< 0.1	< 0.1	< 0.1
H3160	Zure vennen	714	47.2	< 0.1	< 0.1	< 0.1
H4010 A	Vochtige heiden (hogere zandgronden)	1,214	46.0	< 0.1	< 0.1	< 0.1
H4030	Droge heiden	1,071	126.3	< 0.1	< 0.1	< 0.1
H7150	Pioniervegetaties met snavelbiezen	1,429	22.1	< 0.1	< 0.1	< 0.1
H9190	Oude eikenbossen	1,071	0.9	< 0.1	< 0.1	< 0.1
H91EoC	Vochtige alluviale bossen (beekbegeleidende bossen)	1,857	3.3	< 0.1	< 0.1	< 0.1

Langstraat

Habitats above critical load		CL	Surface (ha)	Deposition by project (mol/y)	Maximum deposition (mol/ha/y)	Average deposition (mol/ha/y)
H3140h z	Kranswierwateren - op hogere zandgronden	571	6.6	< 0.1	< 0.1	< 0.1
H6410	Blauwgraslanden	1,071	6.5	< 0.1	< 0.1	< 0.1
H7140A	Overgangs- en trilvenen (trilvenen)	1,214	0.0	< 0.1	< 0.1	< 0.1
H7140B	Overgangs- en trilvenen (veenmosrietlanden)	714	0.4	< 0.1	< 0.1	< 0.1
H7230	Kalkmoerassen	1,071	3.1	< 0.1	< 0.1	< 0.1

Loevestein, Pompeveld & Kornsche Boezem

Habitats above critical load		CL	Surface (ha)	Deposition by project (mol/y)	Maximum deposition (mol/ha/y)	Average deposition (mol/ha/y)
H6510 A	Glanshaver- en vossenstaarthooilanden (glanshaver)	1,429	10.1	< 0.1	< 0.1	< 0.1

Habitats below critical load		CL	Surface (ha)	Deposition by project (mol/y)	Maximum deposition (mol/ha/y)	Average deposition (mol/ha/y)
H3150a z	Meren met krabbenscheer en fonteinkruiden - in afgesloten zeearmen	2,400	1.9	< 0.1	< 0.1	< 0.1
H91Eo A	Vochtige alluviale bossen (zachthoutoibossen)	2,429	14.8	< 0.1	< 0.1	< 0.1

Loonse en Drunense Duinen & Leemkuilen

Habitats above critical load		CL	Surface (ha)	Deposition by project (mol/y)	Maximum deposition (mol/ha/y)	Average deposition (mol/ha/y)
H2310	Stuifzandheiden met struikhei	1,071	116.3	0.2	< 0.1	< 0.1
H2330	Zandverstuivingen	714	255.0	0.4	< 0.1	< 0.1
H3130	Zwakgebufferde vennen	571	39.7	< 0.1	< 0.1	< 0.1
H3150b az	Meren met krabbenscheer en fonteinkruiden - buiten afgesloten zeearmen	2,143	2.3	< 0.1	< 0.1	< 0.1
H4030	Droge heiden	1,071	5.6	< 0.1	< 0.1	< 0.1
H6410	Blauwgraslanden	1,071	0.2	< 0.1	< 0.1	< 0.1
H9160 A	Eiken-haagbeukenbossen (hogere zandgronden)	1,429	95.9	< 0.1	< 0.1	< 0.1
H9190	Oude eikenbossen	1,071	154.7	0.3	< 0.1	< 0.1
H91EoC	Vochtige alluviale bossen (beekbegeleidende bossen)	1,857	139.5	0.1	< 0.1	< 0.1

Vlijmens Ven, Moerputten & Bossche Broek

Habitats above critical load		CL	Surface (ha)	Deposition by project (mol/y)	Maximum deposition (mol/ha/y)	Average deposition (mol/ha/y)
H3140h z	Kranswierwateren - op hogere zandgronden	571	12.8	< 0.1	< 0.1	< 0.1
H6410	Blauwgraslanden	1,071	60.6	< 0.1	< 0.1	< 0.1
H6510 A	Glanshaver- en vossenstaarthooilanden (glanshaver)	1,429	25.0	< 0.1	< 0.1	< 0.1
H7140A	Overgangs- en trilvenen (trilvenen)	1,214	43.7	< 0.1	< 0.1	< 0.1

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 the Benelux. All rights not expressly granted herein are reserved.

References for calculations

This calculation is based on:

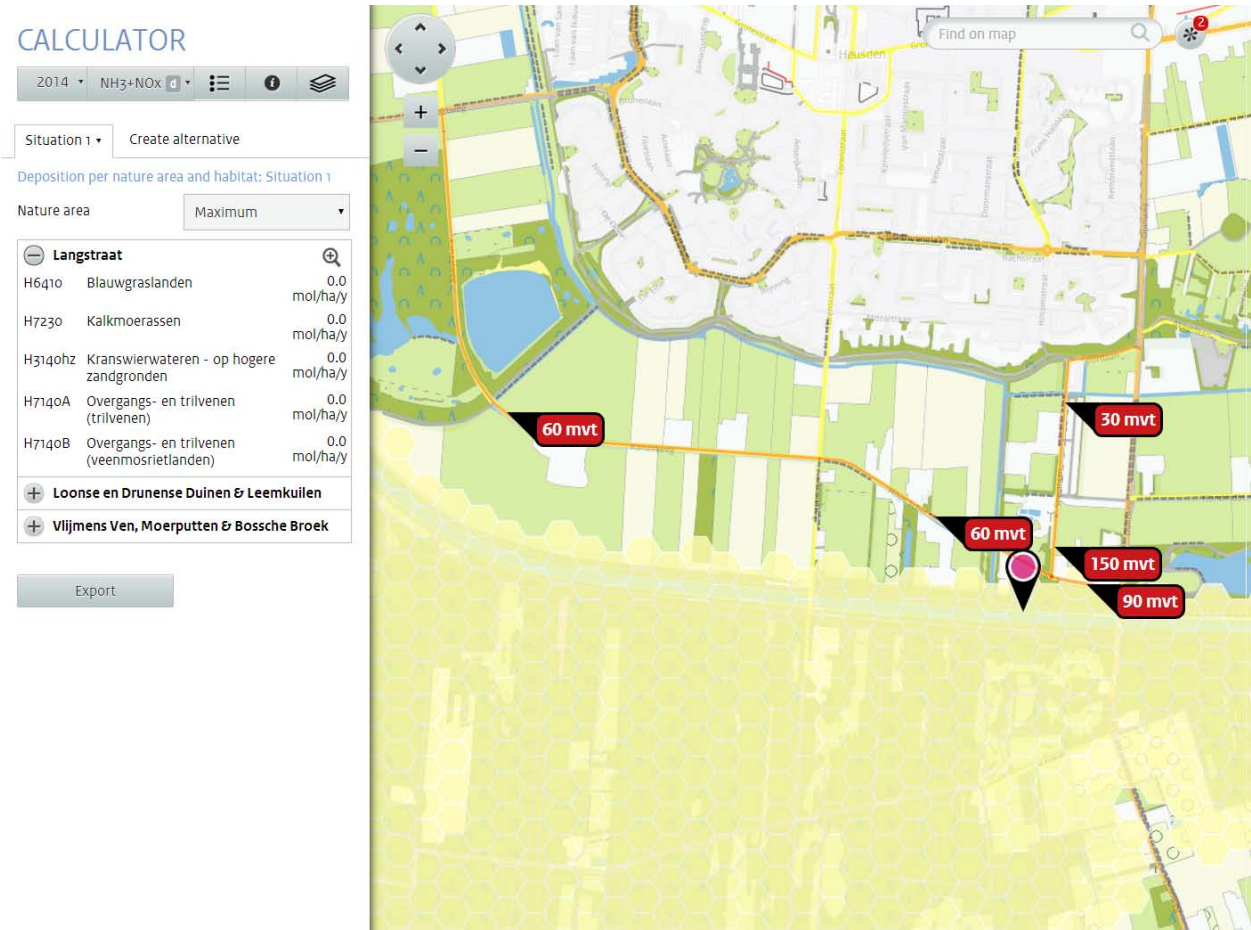
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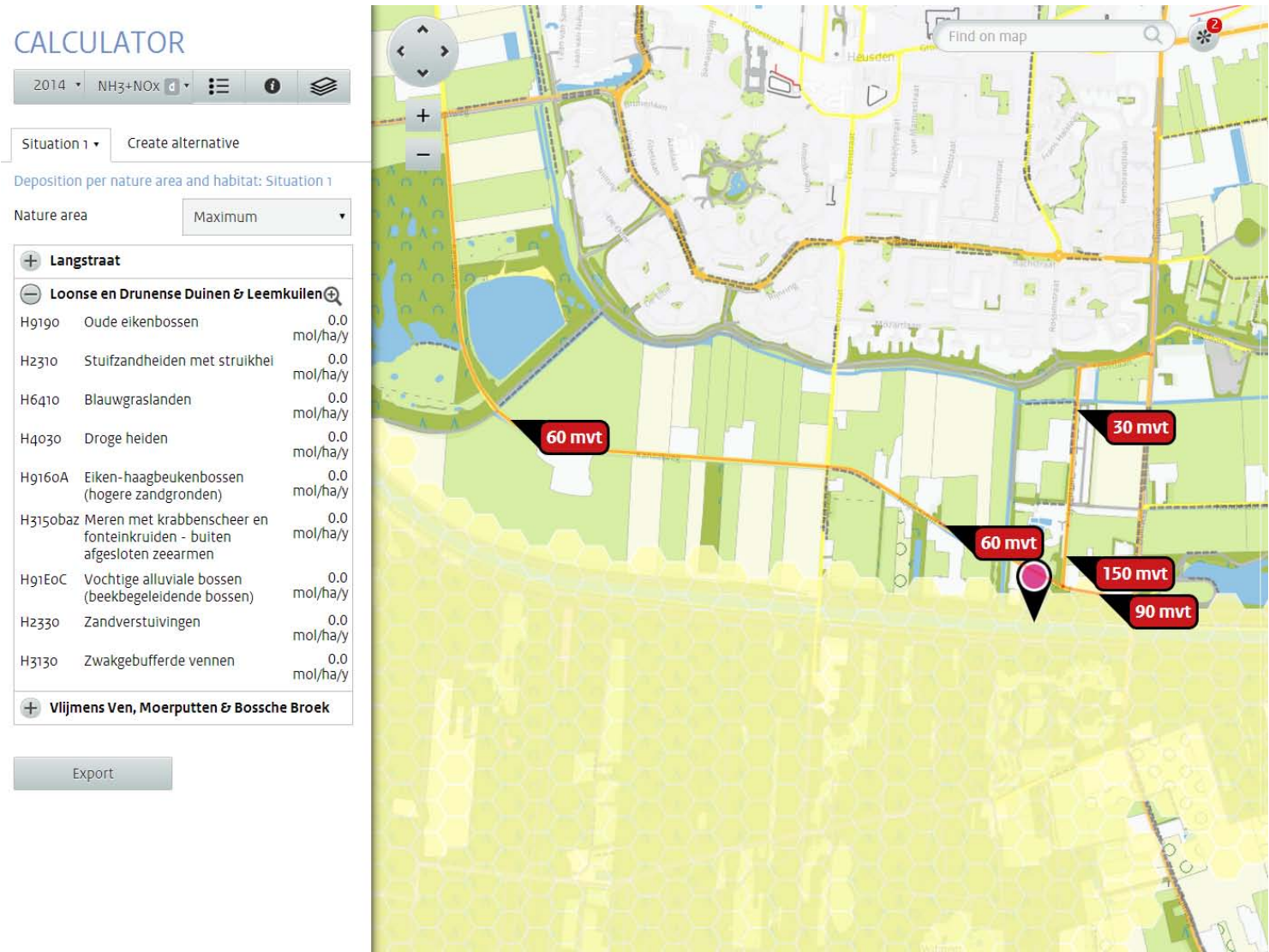
More information about the used data on www.aerius.nl/methodiek

Bijlage Uitkomsten stikstofdepositieberekeningen Aerius

Langstraat



Loonse en Drunense Duinen & Leemskuilen



Vlijmens ven, Moerputten & Bossche Broek

