



1st Gefaseerd Beschrijvend Bodemonderzoek

Gebied ten zuiden van de autosnelweg
E34 & 3M-fabriek Zwijndrecht
Initiële beoordeling van de humane
risico-evaluatie voor PFAS in de bodem

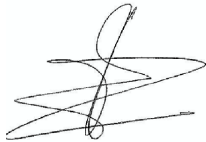
10 februari 2022

Project nr. 0540247

Document details	
Titel van het document	1 st Gefaseerd Beschrijvend Bodemonderzoek
Ondertitel van het document	Gebied ten zuiden van de autosnelweg E34 & 3M-fabriek Zwijndrecht Initiële beoordeling van de humane risico-evaluatie voor PFAS in de bodem
Project nr.	0540247
Datum	10 februari 2022
Versie	1.0
Geschreven door	Julie Oppenheimer, Ronald Ruijter, Pieter Schrooten, Jan Van linden en Dirk Nuyens
Klant	3M Belgium bvba

Handtekening

10 februari 2022



Dirk Nuyens
Principal Partner



Jan Van linden
Principal Consultant

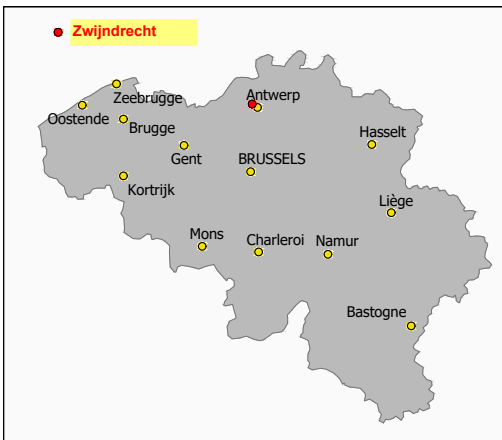
ERM nv, Posthoflei 5 bus 6, 2600 Antwerpen-Berchem

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DEEL 6

FIGUREN

FIGUUR 1 **TOPOGRAFISCHE KAART MET LIGGING
ONDERZOEKSGBIED**



Legende:

--- 3M terreingrens



Getekend: NVE	Gecorrigeerd: JVL	Goedgekeurd: JVL	Versie: v0.1	<input type="checkbox"/> FINAL <input checked="" type="checkbox"/> DRAFT
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Environmental Resources Management n.v.

Cantersteen 47 Posthoflei 5
1000 Brussel 2600 Antwerpen
Tel.: 02/550.02.80 Tel.: 03/287.36.50
Fax.: 02/550.02.99 Fax.: 03/287.36.79



Klant / Projectnaam: 3M Belgium BVBA	Locatie: Zwijndrecht
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Projectnr.: 0540247	Titel: Beschrijvend Bodemonderzoek 2020
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Figuur: 1	Beschrijving: Topografische situering
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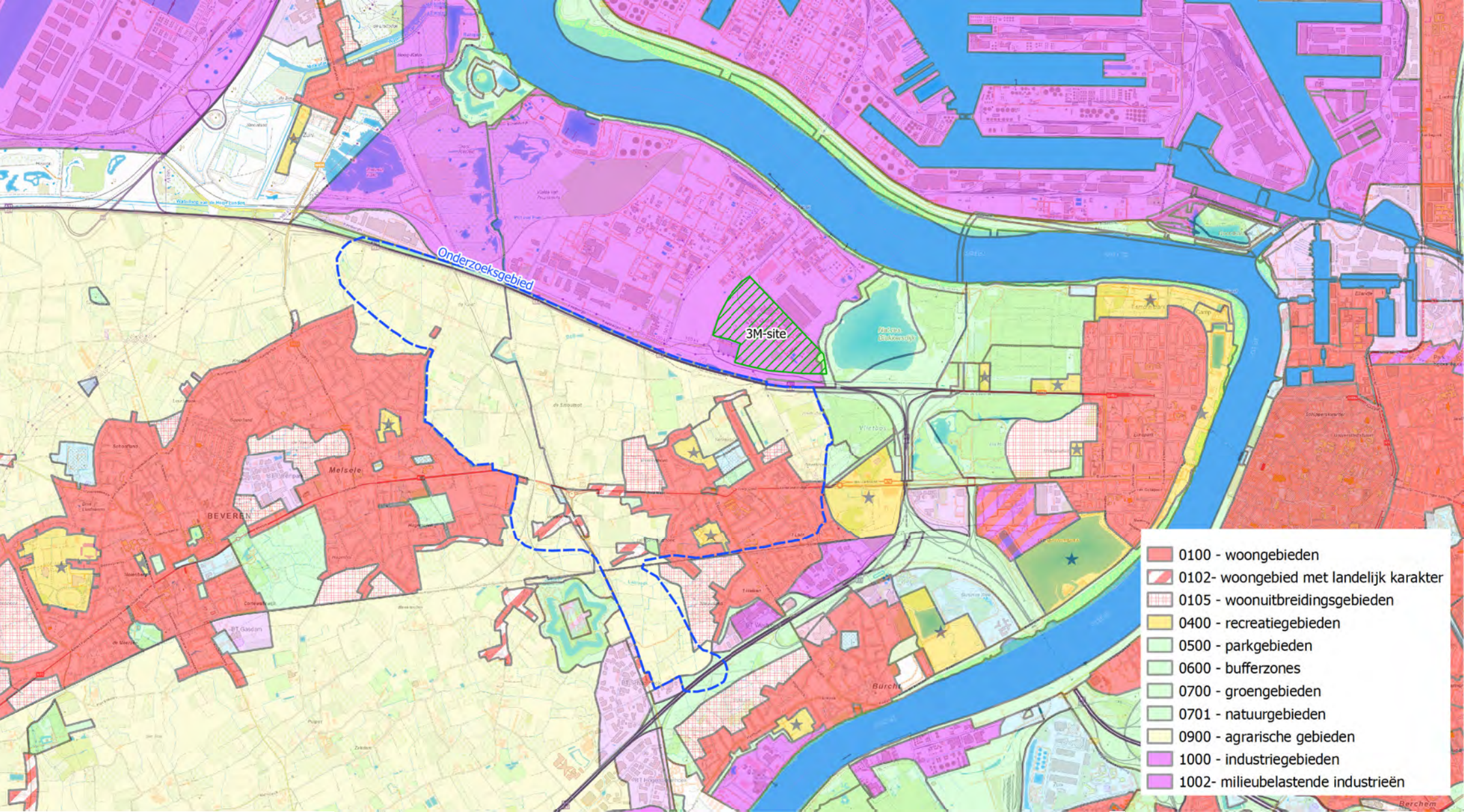
Fase: BBO-2020	© OpenStreetMap-contributors
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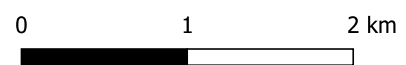
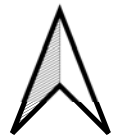
0 300.0 600.0 900.0 1200.0 1500.0 (m)



FIGUUR 2 ONDERZOEKSGBIED OP HET GEWESTPLAN



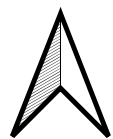
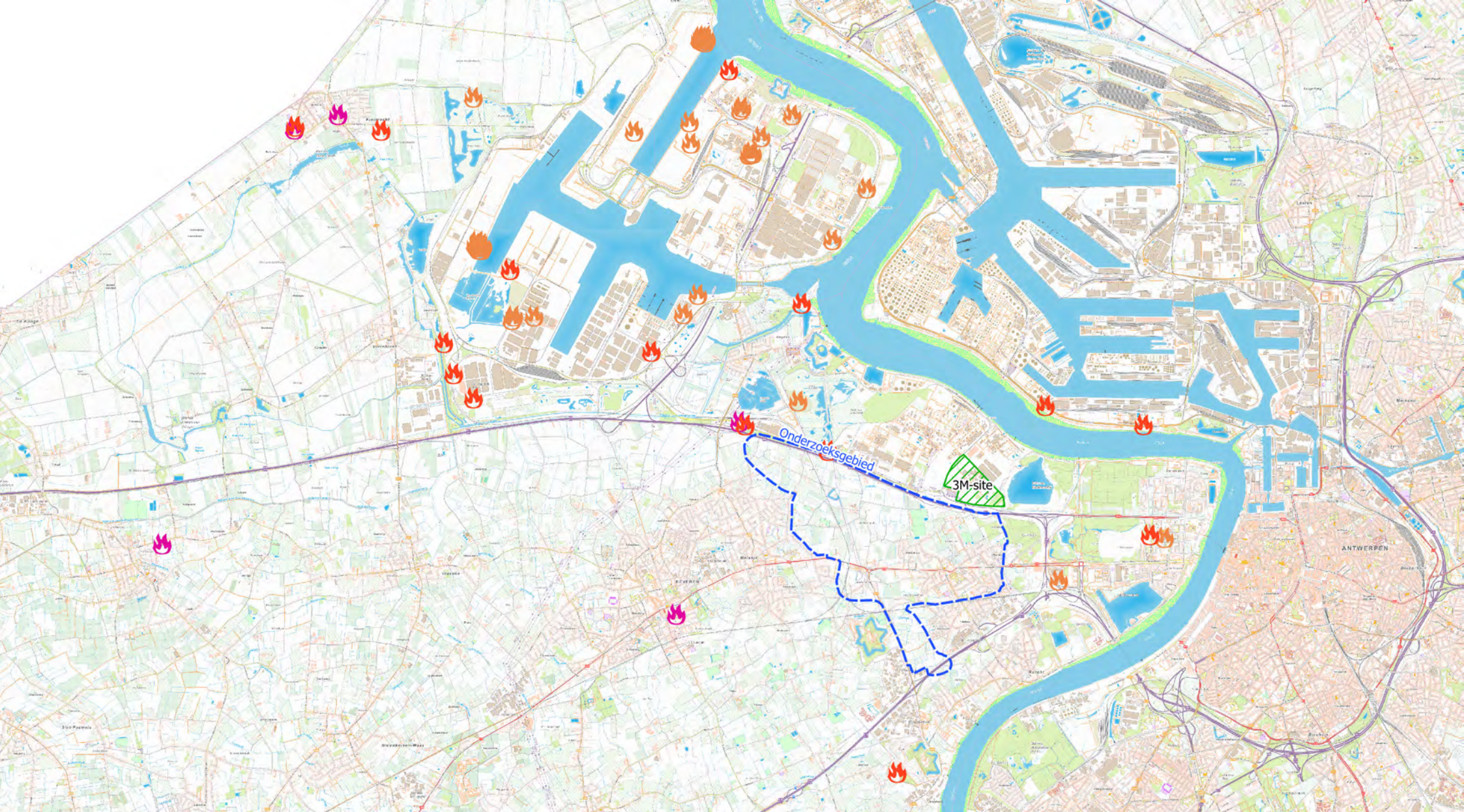
- 0100 - woongebieden
- 0102- woongebied met landelijk karakter
- 0105 - woonuitbreidingsgebieden
- 0400 - recreatiegebieden
- 0500 - parkgebieden
- 0600 - bufferzones
- 0700 - groengebieden
- 0701 - natuurgebieden
- 0900 - agrarische gebieden
- 1000 - industriegebieden
- 1002- milieubelastende industrieën






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Opdrachtgever / Projectnaam: 3M			Locatie: Zwijndrecht, België	
Projectnummer: 0540247	Titel: Actualisatie beschrijvend bodemonderzoek (BBO)			
Figuur: 2	Omschrijving: Aanduiding onderzoekgebied op gewestplan			
Fase: 1A off-site				
Schaal: 1:32.204	Papierformaat: A3	Bestandsnaam: 3M DSI Figuur 2	Datum: 8-2-2022	

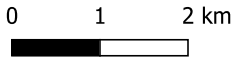


FIGUUR 3 **KAART MET LOCATIES BRANDEN IN HET GROTE GEBIED
ROND DE 3M FABRIEK (BRANDWEER MELSELE)**



Legende

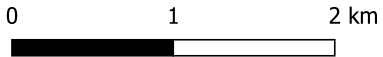
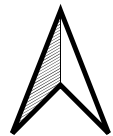
-  Branden_oefenlocaties
-  Branden_kazernes
-  Branden



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Projectnummer: 0540247	Titel: Actualisatie beschrijvend bodemonderzoek (BBO)			
Figuur: 3	Omschrijving: Kaart met locaties branden in het grote gebied rond de 3M fabriek (o.a. brandweer Melsele)			
Fase: 1A off-site				
Schaal: 1:60.692	Papierformaat: A3	Bestandsnaam: 3M DSI Figuur 3	Datum: 8-2-2022	



FIGUUR 4 **GEDETAILLEERD PLAN ONDERZOEKSLOCATIE**

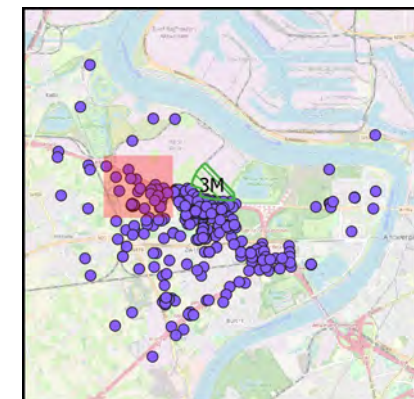
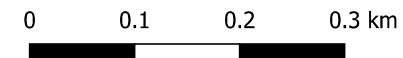


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ERM N.V. Kantersteen 47 1000 Brussel Tel.: +32 2 550 02 80 Fax: +32 2 287 36 79				
Opdrachtgever / Projectnaam: 3M		Locatie: Zwijndrecht, België		
Projectnummer: 0540247	Titel: Actualisatie beschrijvend bodemonderzoek (BBO)			
Figuur: 4	Omschrijving: Detailplan onderzoeksgebied			
Fase: 1A off-site				
Schaal: 1:33.107	Papierformaat: A3	Bestandsnaam: 3M DSI Figuur 4	Datum: 8-2-2022	

FIGUUR 5 OVERZICHT BEMONSTERINGSLOCATIES



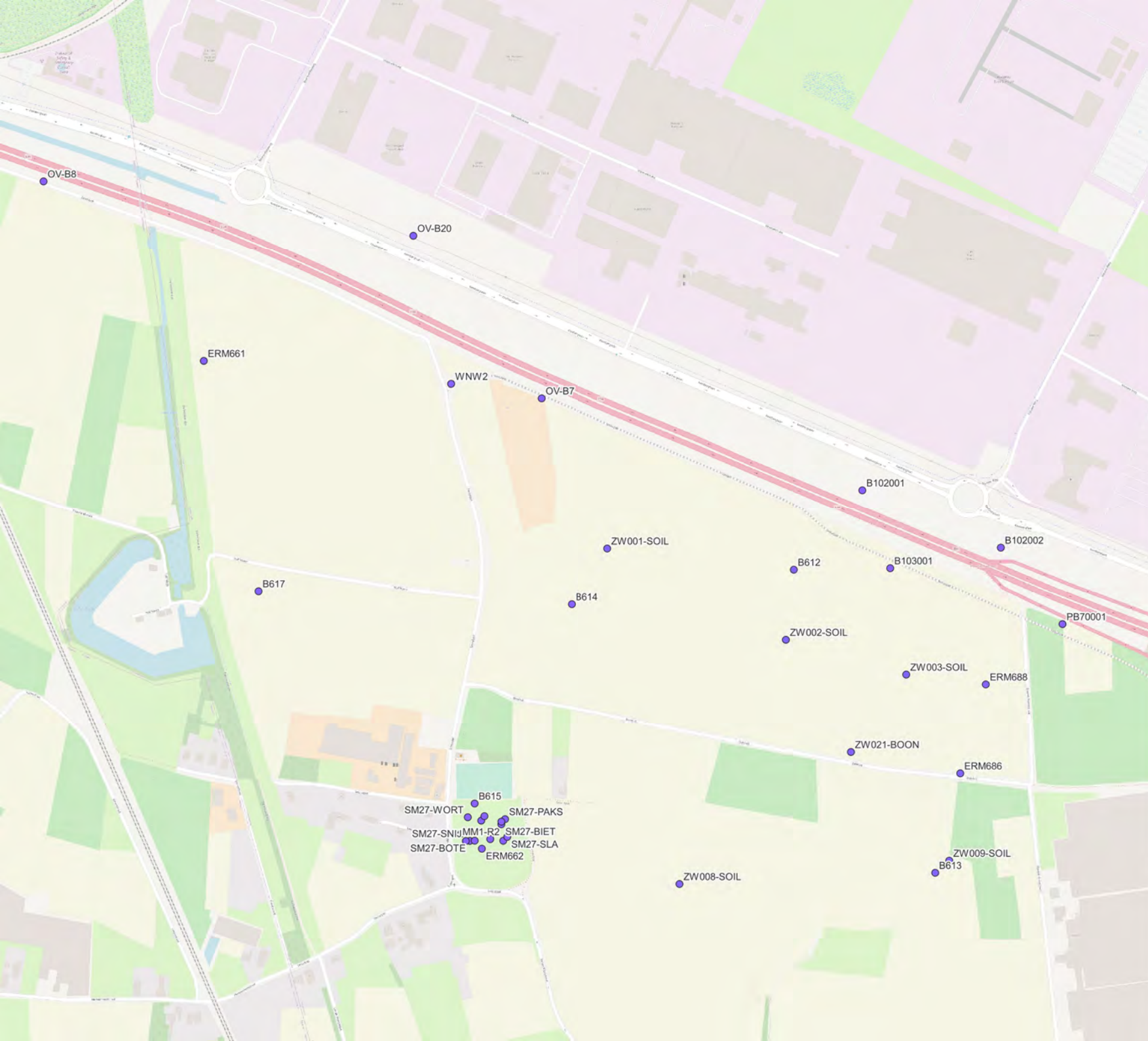
1:5089,37



Legend


Maps DSI Soil

- Soil: all sampling points
- OpenStreetMap



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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 5	Description: Overview of the sampling locations for soil (detail)
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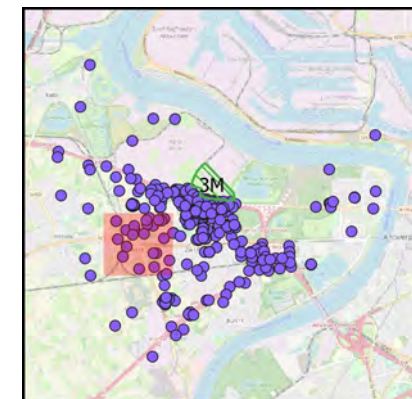
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1:5089,37

0 0.1 0.2 0.3 km



Legend


Maps DSI Soil

● Soil: all sampling points

OpenStreetMap

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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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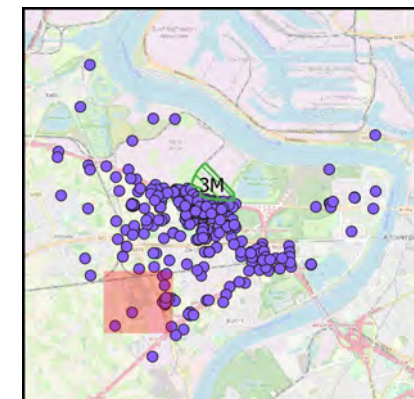
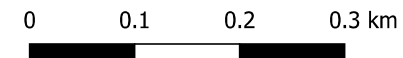
Figure: 5	Description: Overview of the sampling locations for soil (detail)
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Phase: 1A off-site	
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1:5089,37



Legend

Maps DSI Soil

- Soil: all sampling points
- OpenStreetMap

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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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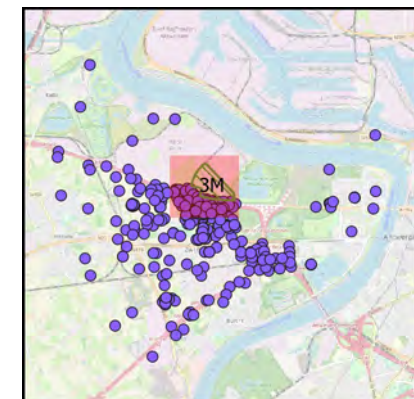
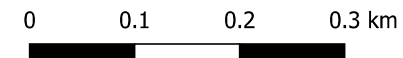
Figure: 5	Description: Overview of the sampling locations for soil (detail)
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Phase: 1A off-site	
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1:5089,37



Legend



Maps DSI Soil


● Soil: all sampling points

OpenStreetMap



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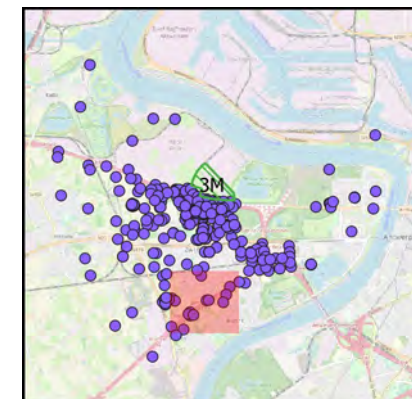
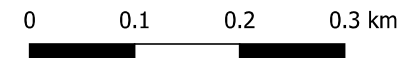
Figure: 5	Description: Overview of the sampling locations for soil (detail)
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Phase: 1A off-site	
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Legend

Maps DSI Soil

- Soil: all sampling points
- OpenStreetMap

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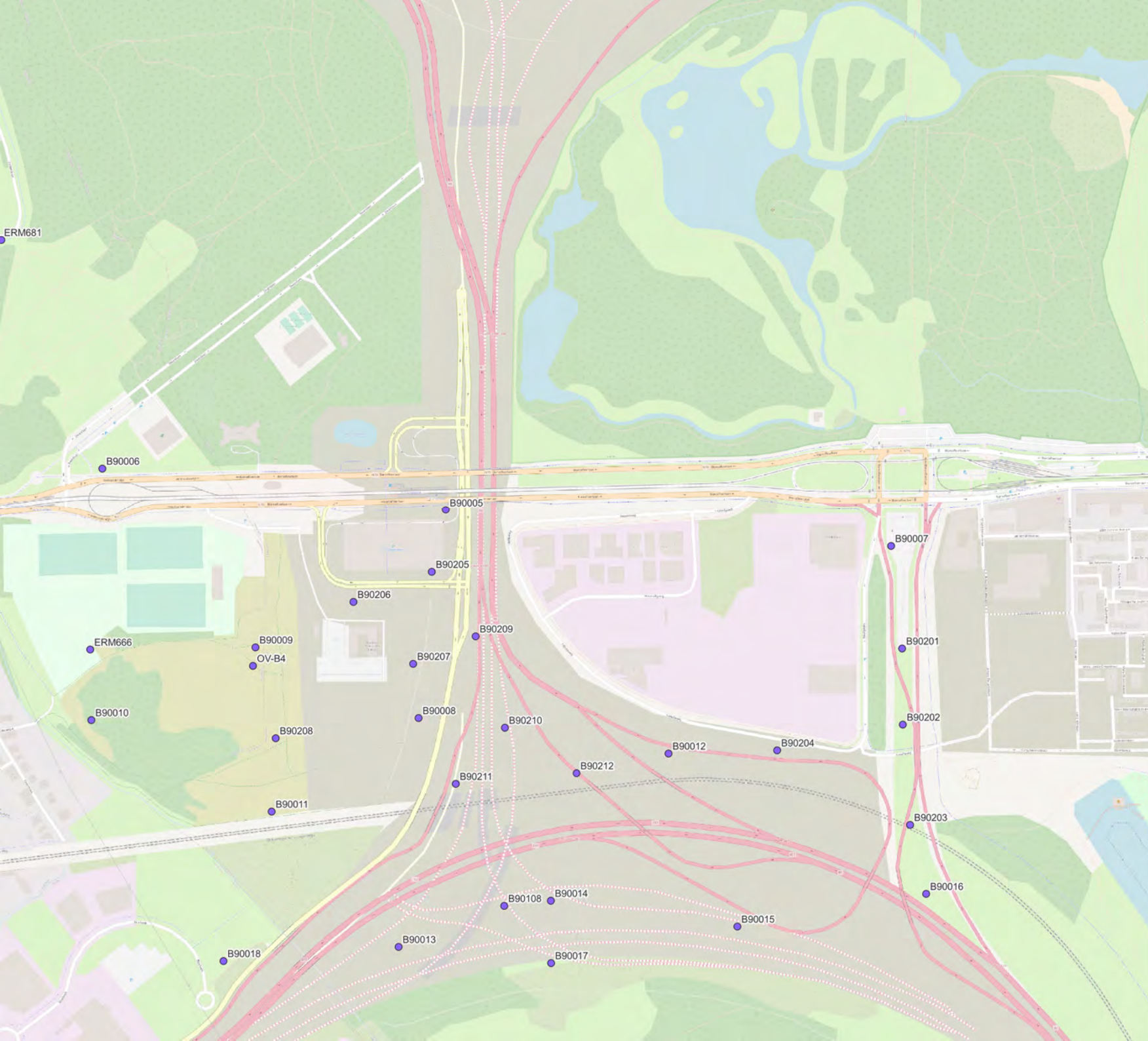
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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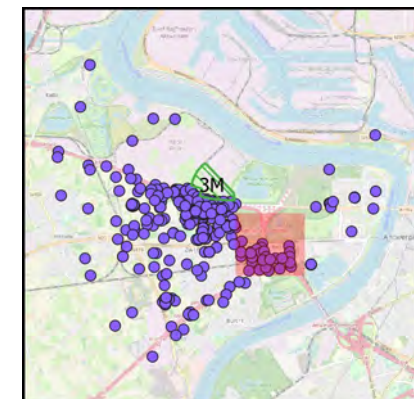
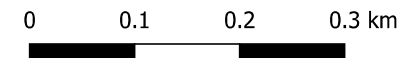
Figure: 5	Description: Overview of the sampling locations for soil (detail)
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Phase: 1A off-site	
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1:5089,37




Legend

Maps DSI Soil

- Soil: all sampling points
- OpenStreetMap

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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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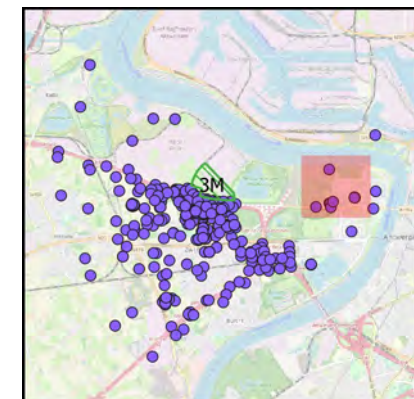
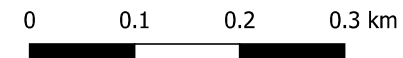
Figure: 5	Description: Overview of the sampling locations for soil (detail)
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Phase: 1A off-site	
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1:5089,37



Legend


Maps DSI Soil

- Soil: all sampling points
- OpenStreetMap



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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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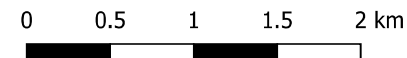
Figure: 5	Description: Overview of the sampling locations for soil (detail)
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Phase: 1A off-site	
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1:32000



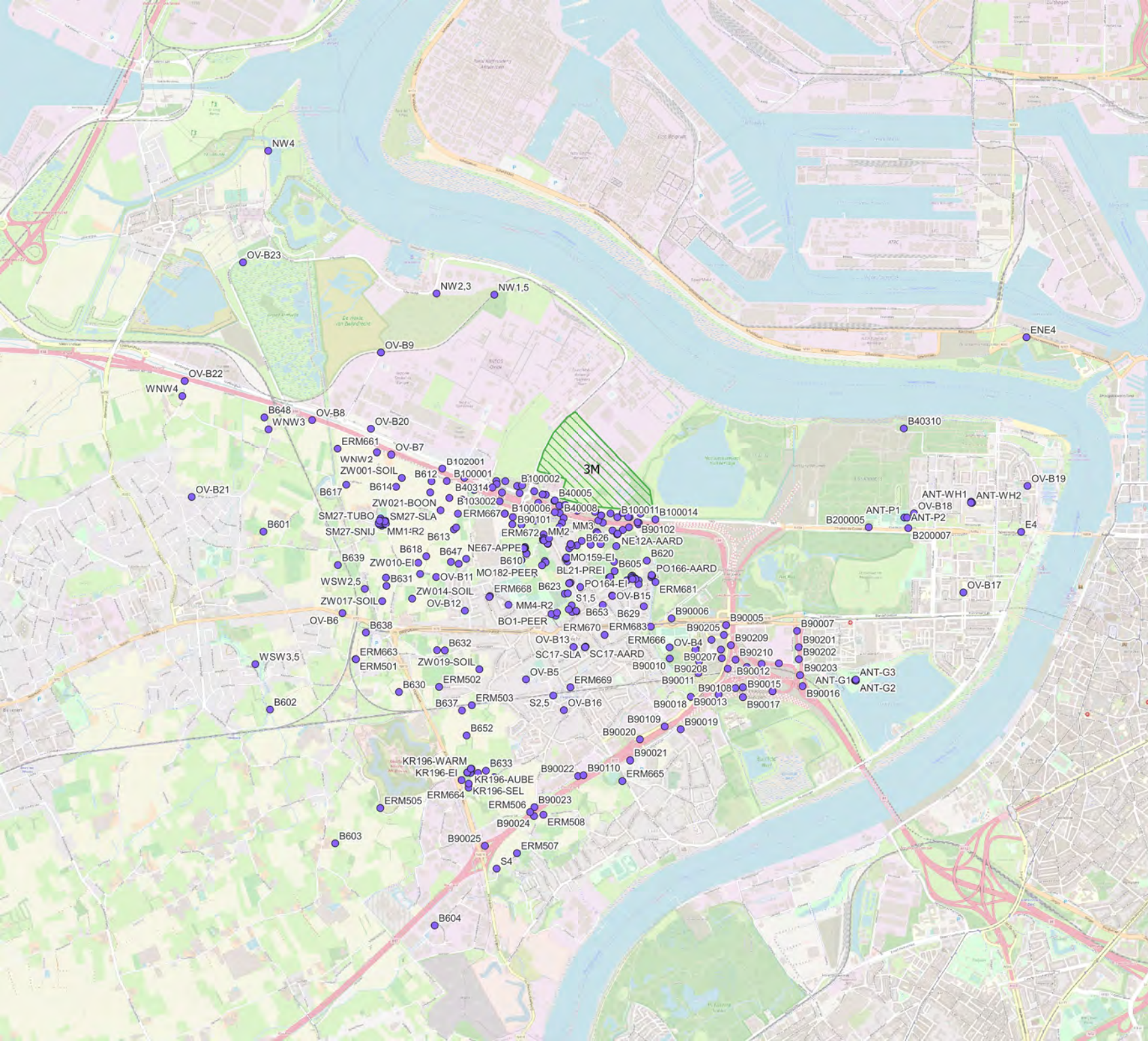
Legend

Site

Maps DSI Soil

Soil: all sampling points

OpenStreetMap

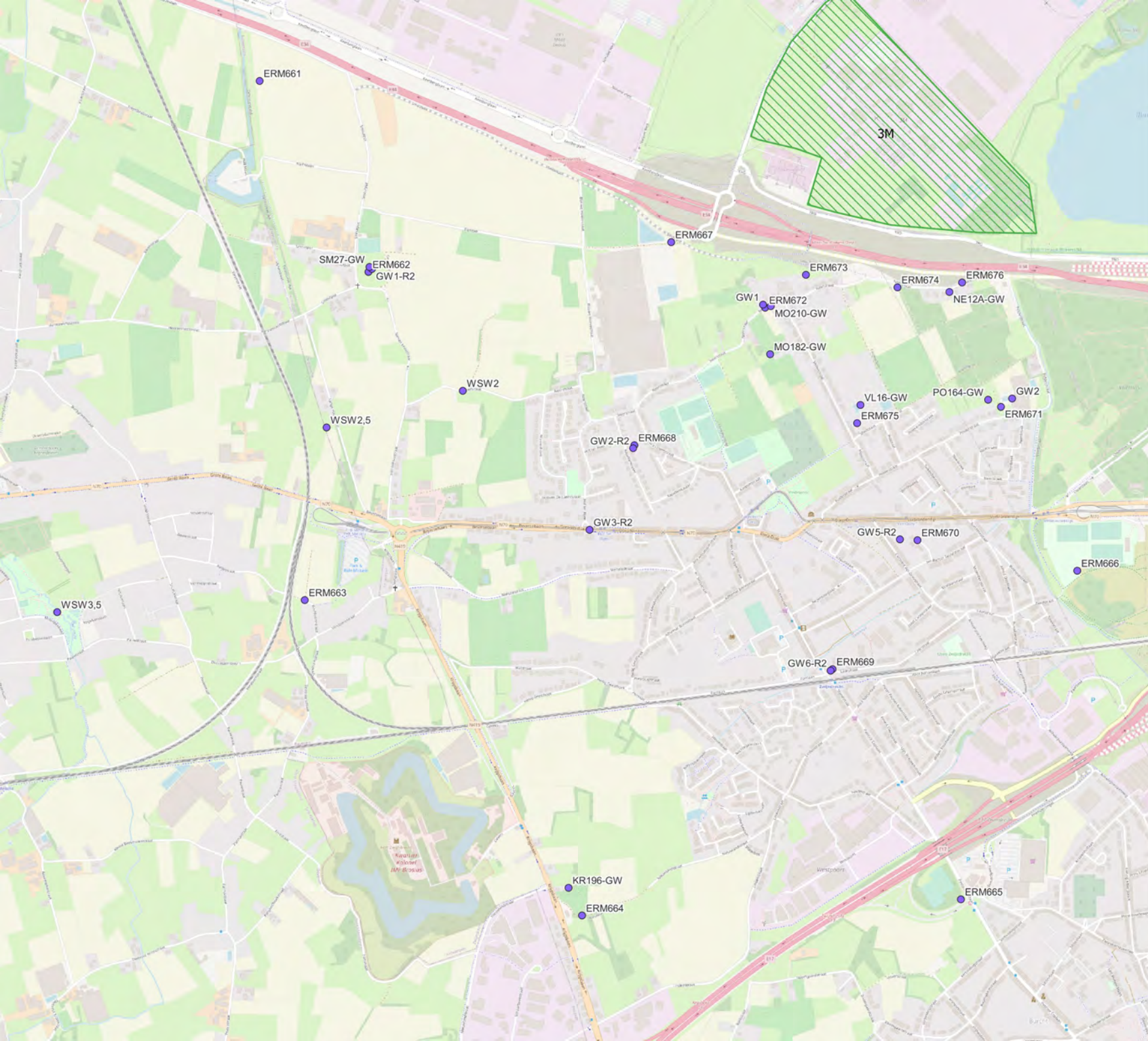


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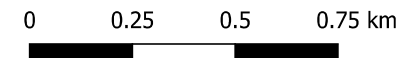
Environmental Resources Management N.V. Cantersteen 47 1000 Brussel Tel.: +32 2 550 02 80 Fax.: +32 2 287 36 79		
Client / Project Name: 3M	Location: Zwijndrecht, Belgium	

Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
Figure: 5	Description: Overview of the sampling locations in soil

Phase: 1A off-site	Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:13000



Legend

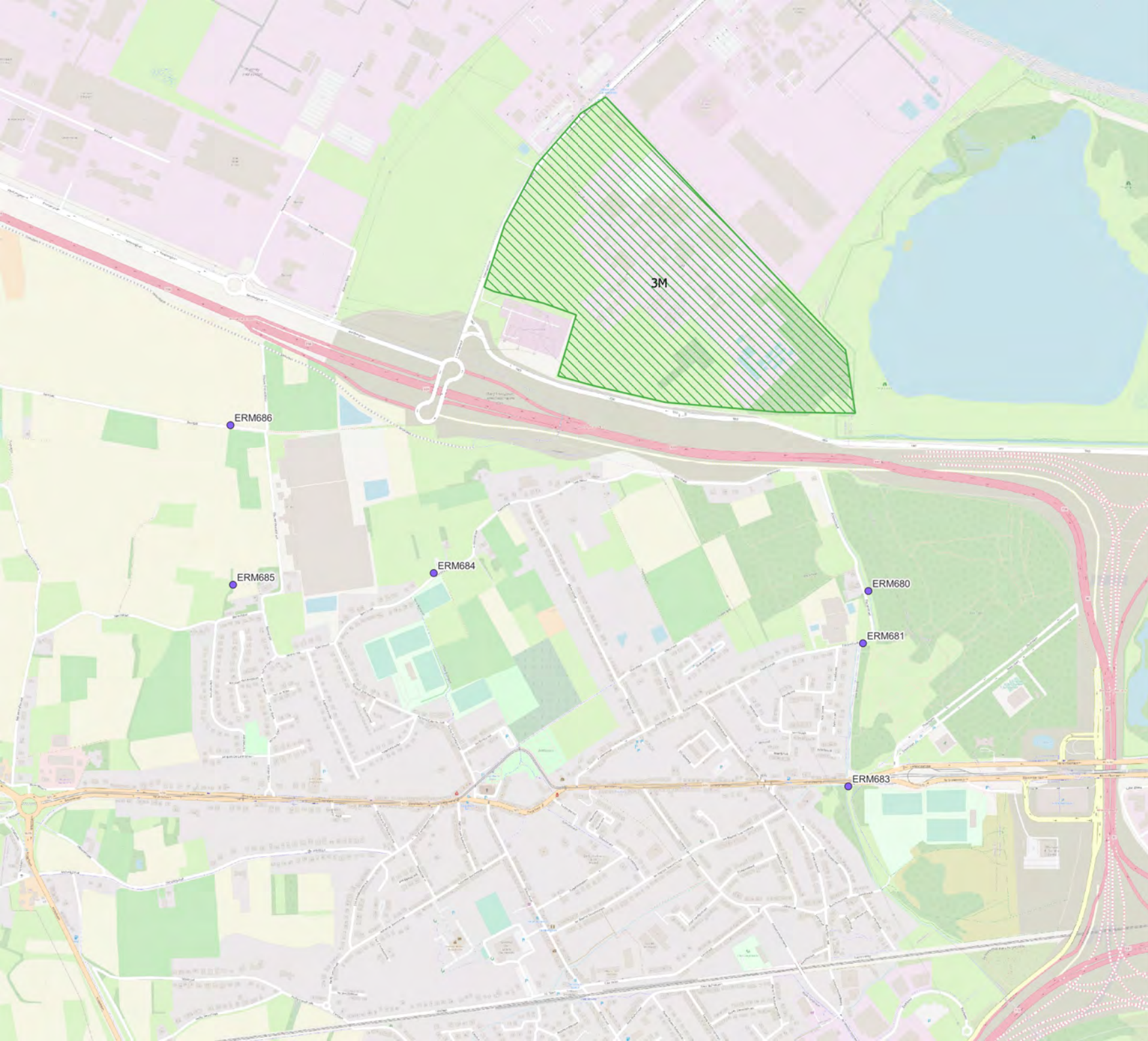
Site

Maps DSI GroundWater

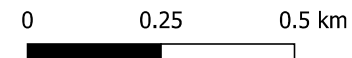
Groundwater: all sampling points

OpenStreetMap



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Client / Project Name: 3M			Location: Zwijndrecht, Belgium	
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).			
Figure: 5	Description: Overview of the sampling locations in groundwater			
Phase: 1A off-site				
Scale: 1:13000	Page Size: A3	Filename:	Date: 8-2-2022	



1:10000




Legend

-  Site
- Maps DSI Sediment**
-  Sediment: all sampling points
- OpenStreetMap

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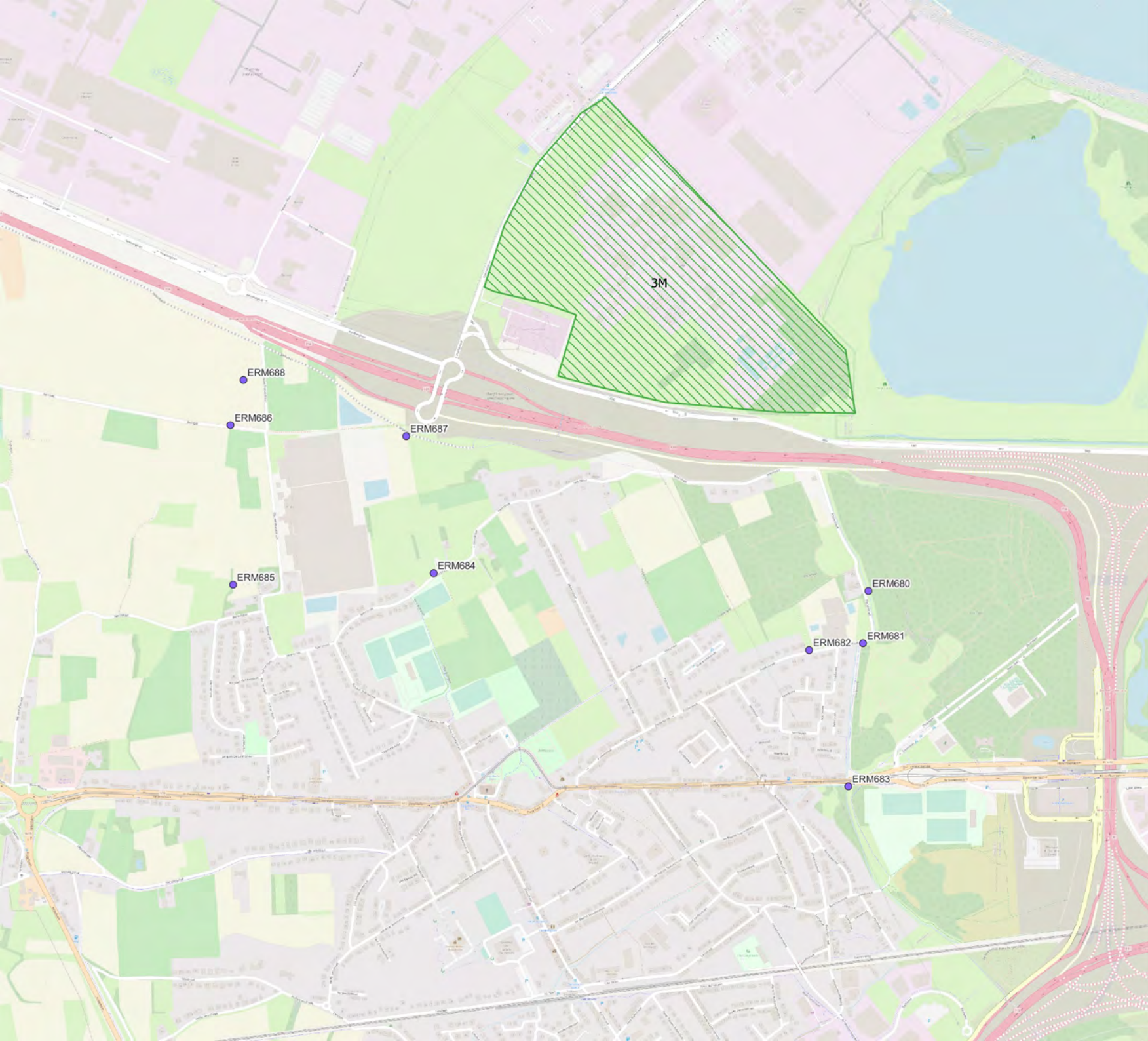


Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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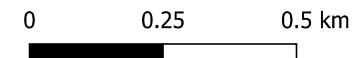
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 5	Description: Overview of the sampling locations in sediment
Phase: 1A off-site	



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1:10000



Legend

-  Site
- Maps DSI Surface Water**
-  Surface water: all sampling points
- OpenStreetMap

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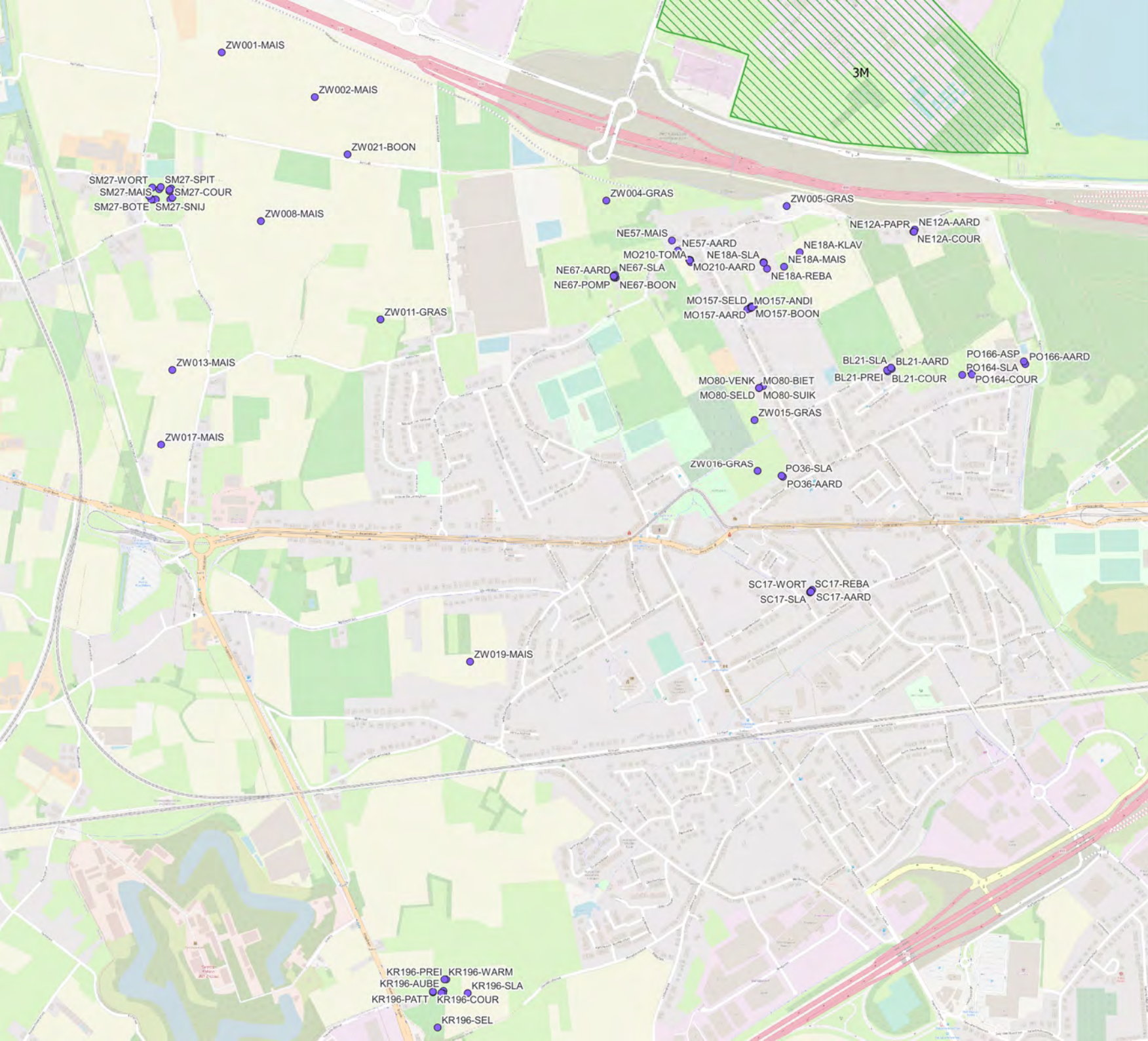


Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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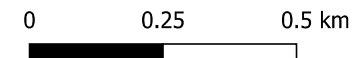
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 5	Description: Overview of the sampling locations in surface water
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Phase: 1A off-site	Scale: 1:10000	Page Size: A3	Filename:	Date: 8-2-2022
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1:10000



Legend

Site

Maps DSI Veg

Vegetables/crops: all sampling points

OpenStreetMap

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Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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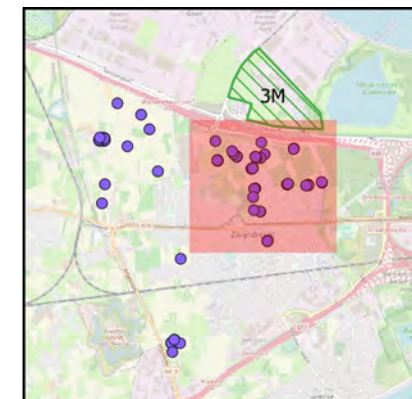
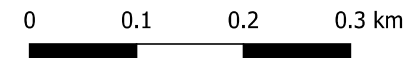
Figure: 5	Description: Overview of the sampling locations for vegetables/crops
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename:	Date: 8-2-2022
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1:5000



Legend

Site


Maps DSI Veg

Vegetables/crops: all sampling points

OpenStreetMap

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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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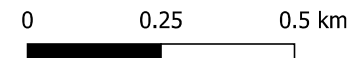
Figure: 5	Description: Overview of the sampling locations for vegetables/crops (detail)
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Phase: 1A off-site	
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1:10000




Legend

-  Site
- Maps DSI Fruit**
-  Fruit: all sampling points
- OpenStreetMap

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 Fax.: +32 2 287 36 79



Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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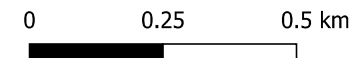
Figure: 5	Description: Overview of the sampling locations for fruit
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename:	Date: 8-2-2022
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1:10000



Legend

Site


Maps DSI Eggs

Animal products: all sampling points

OpenStreetMap

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Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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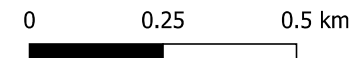
Figure: 5	Description: Overview of the sampling locations for animal products
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename:	Date: 8-2-2022
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1:10000



Legend

Site


Maps DSI Eggs

Chicken feed: all sampling points

OpenStreetMap

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Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 5	Description: Overview of the sampling locations for chicken feed
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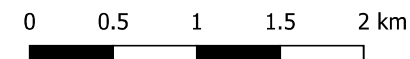
Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename:	Date: 8-2-2022
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FIGUUR 6 **KAARTEN MET RESULTATEN IN DE BODEM**



1:32000



Legend

Site

Maps DSI Soil

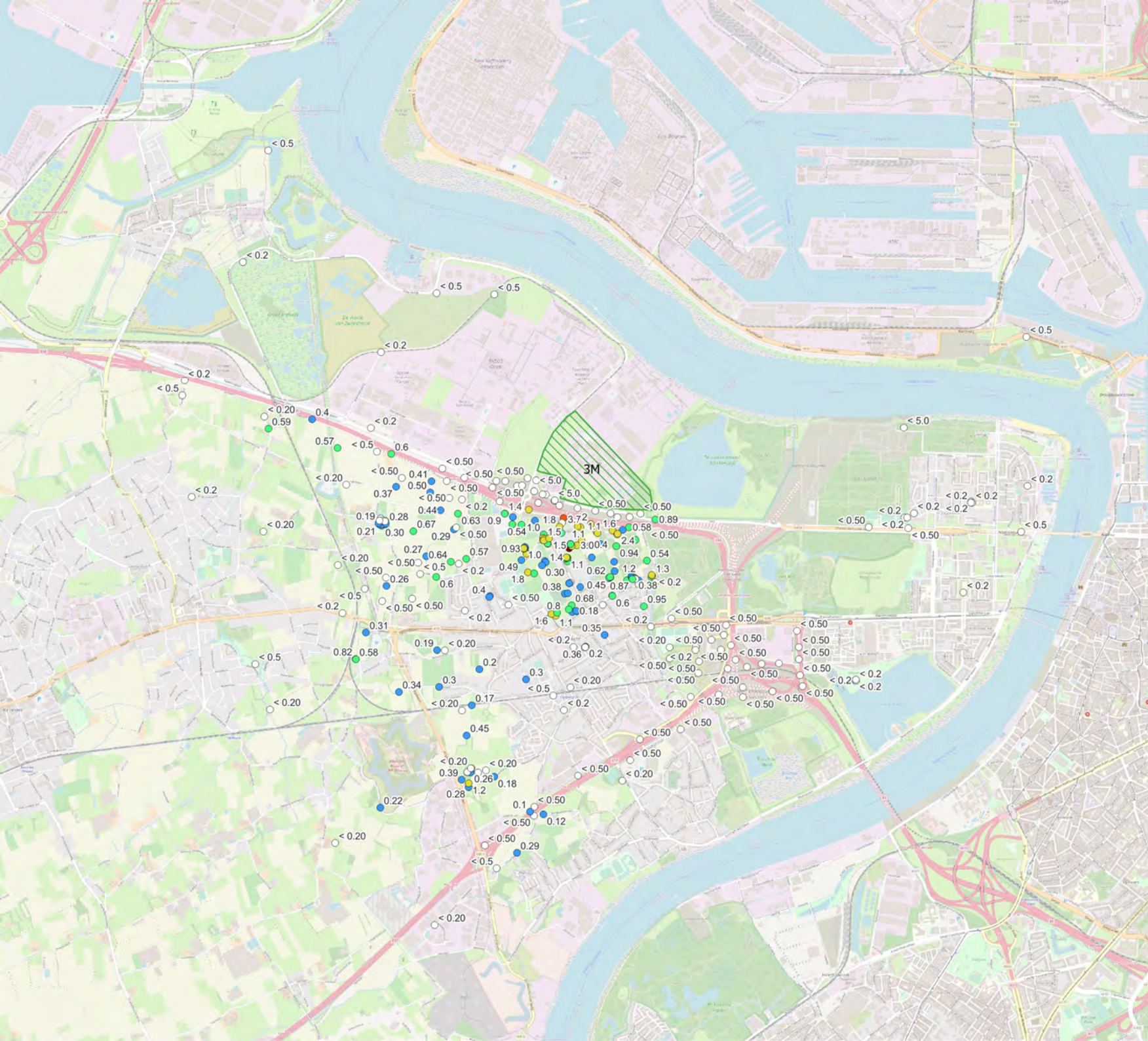
PFBS

PFBS 0-0,5 m-mv - Land use II, III, IV & V

- < DL
- 0 - 0.5 µg/kg ds
- 0.5 - 1 µg/kg ds
- 1 - 5 µg/kg ds
- 5 - 10 µg/kg ds
- > 10 µg/kg ds

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
 0.2 µg/kg ds
 0.5 µg/kg ds
 5.0 µg/kg ds



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 Fax.: +32 2 287 36 79



Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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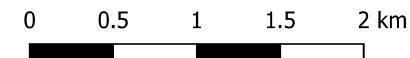
Figure: 6	Description: Maps showing PFAS concentrations in soil
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Phase: 1A off-site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:32000



Legend



Maps DSI Soil

PFBS

PFBS 0-0,5 m-mv - Land use II

● < DL


● ≤ 112.7 µg/kg ds

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.2 µg/kg ds
0.5 µg/kg ds

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				DRAFT

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Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
-------------------------	-------------------------------------------------------------------

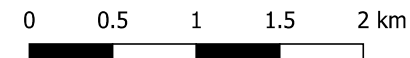
Figure: 6	Description: Maps showing PFAS concentrations in soil
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Phase: 1A off-site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:32000



Legend

Site

Maps DSI Soil

PFBS

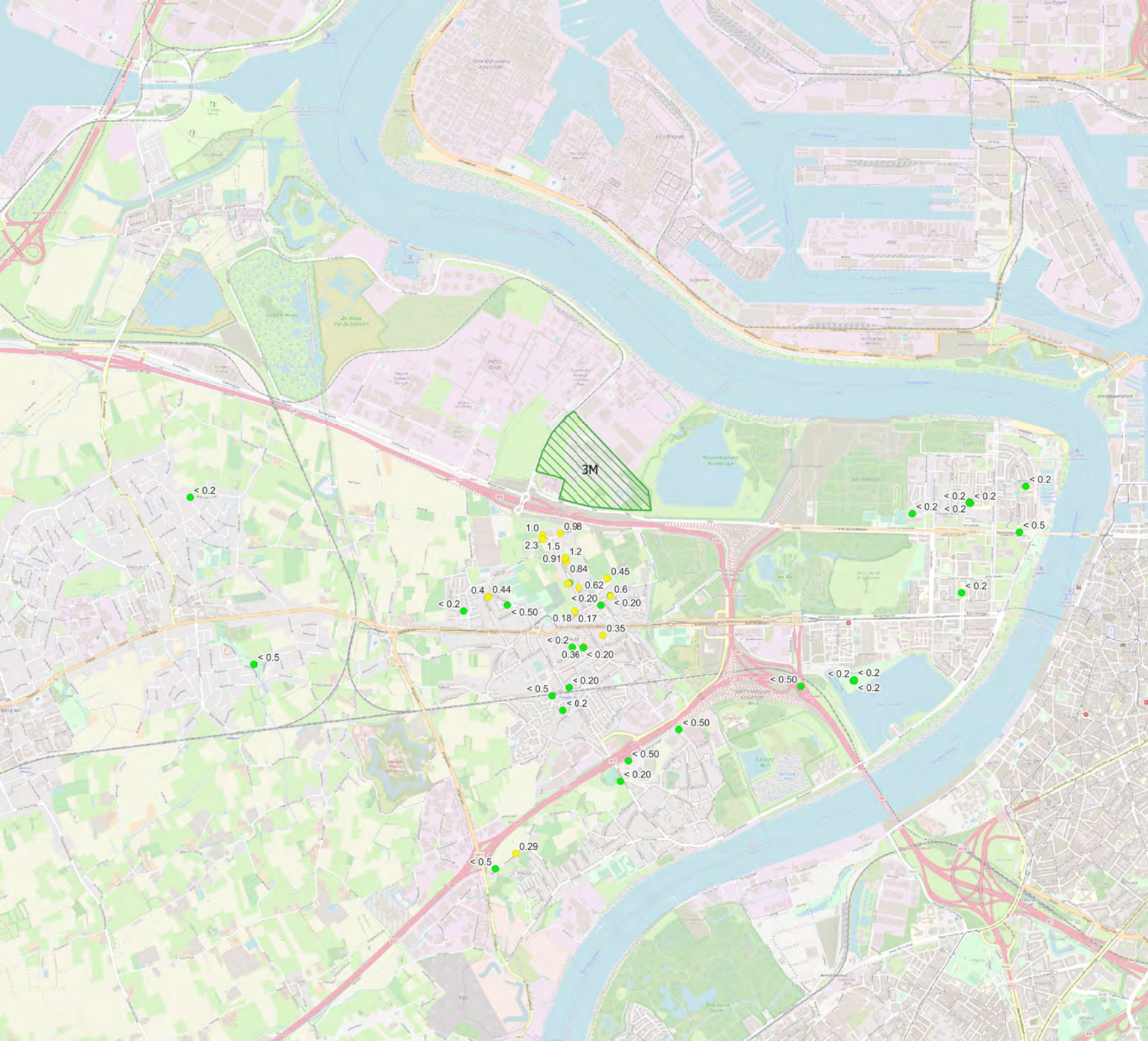
PFBS 0-0,5 m-mv - Land use III

< DL

<= 218.7 µg/kg ds


OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.2 µg/kg ds
0.5 µg/kg ds



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Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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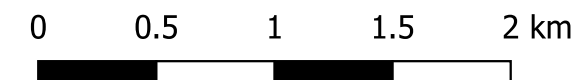
Figure: 6	Description: Maps showing PFAS concentrations in soil
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Phase: 1A off-site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:32000



Legend

Site

Maps DSI Soil

PFOA (Sum)

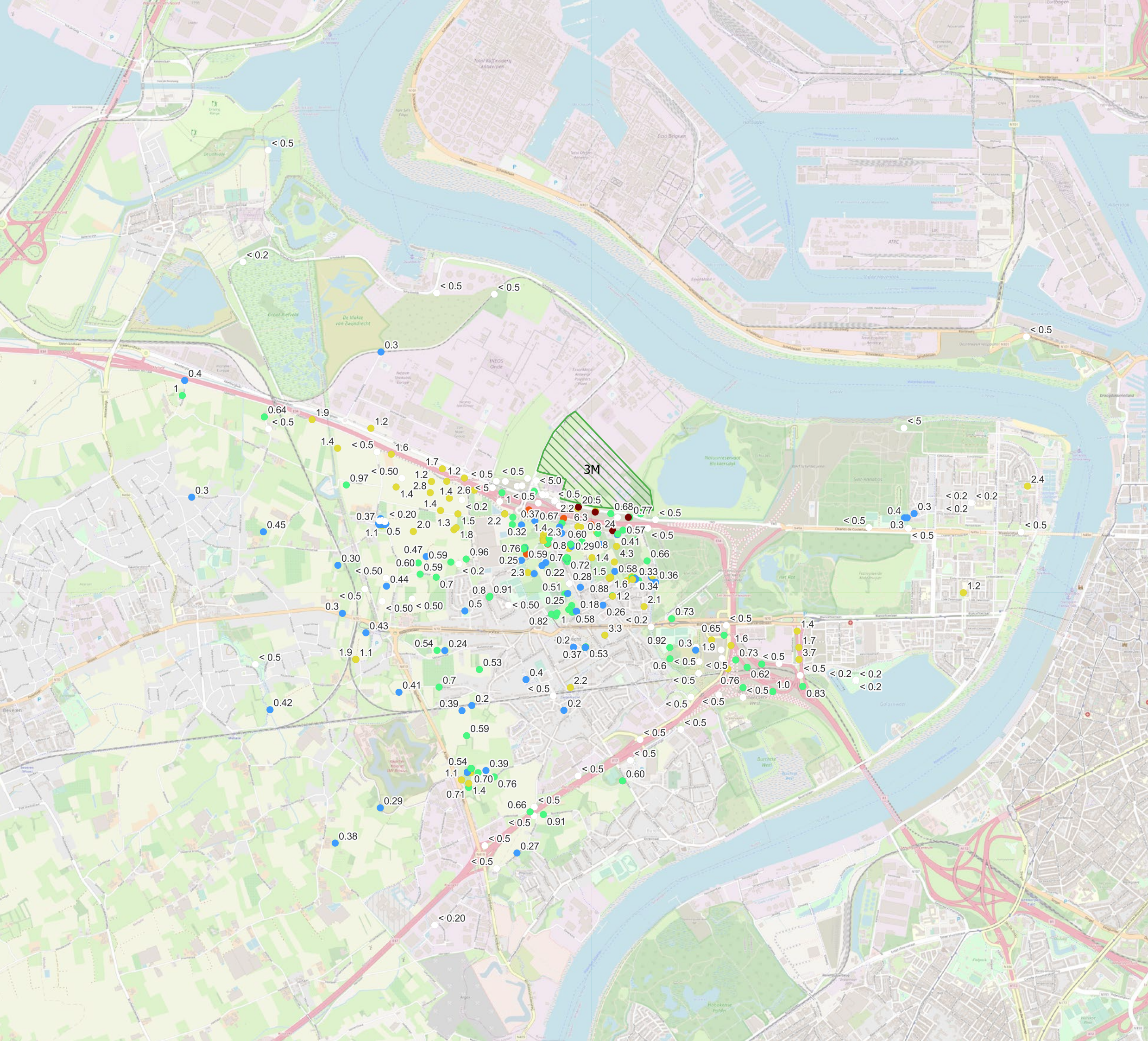
PFOA 0-0,5 m-mv - Land use II, III, IV & V

- < DL
- 0 - 0.5 µg/kg ds
- 0.5 - 1 µg/kg ds
- 1 - 5 µg/kg ds
- 5 - 10 µg/kg ds
- > 10 µg/kg ds

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses. Here:

- 0.2 µg/kg ds
- 0.5 µg/kg ds
- 5.0 µg/kg ds



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Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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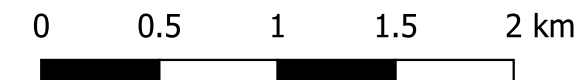
Figure: 6	Description: Maps showing PFAS concentrations in soil
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Phase: 1A off-site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 7-2-2022
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1:32000



Legend

Site

Maps DSI Soil

PFOA (Sum)

PFOA 0-0,5 m-mv - Land use II

- PFOA < detection limit
- PFOA ≤ 4.3 µg/kg dw
- PFOA > 4.3 µg/kg dw

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses.

Here:

- 0.2 µg/kg ds
- 0.5 µg/kg ds
- 5.0 µg/kg ds

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Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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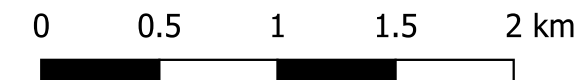
Figure: 6	Description: Maps showing PFAS concentrations in soil
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Phase: 1A off-site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 7-2-2022
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1:32000



Legend

Site

Maps DSI Soil

PFOA (Sum)

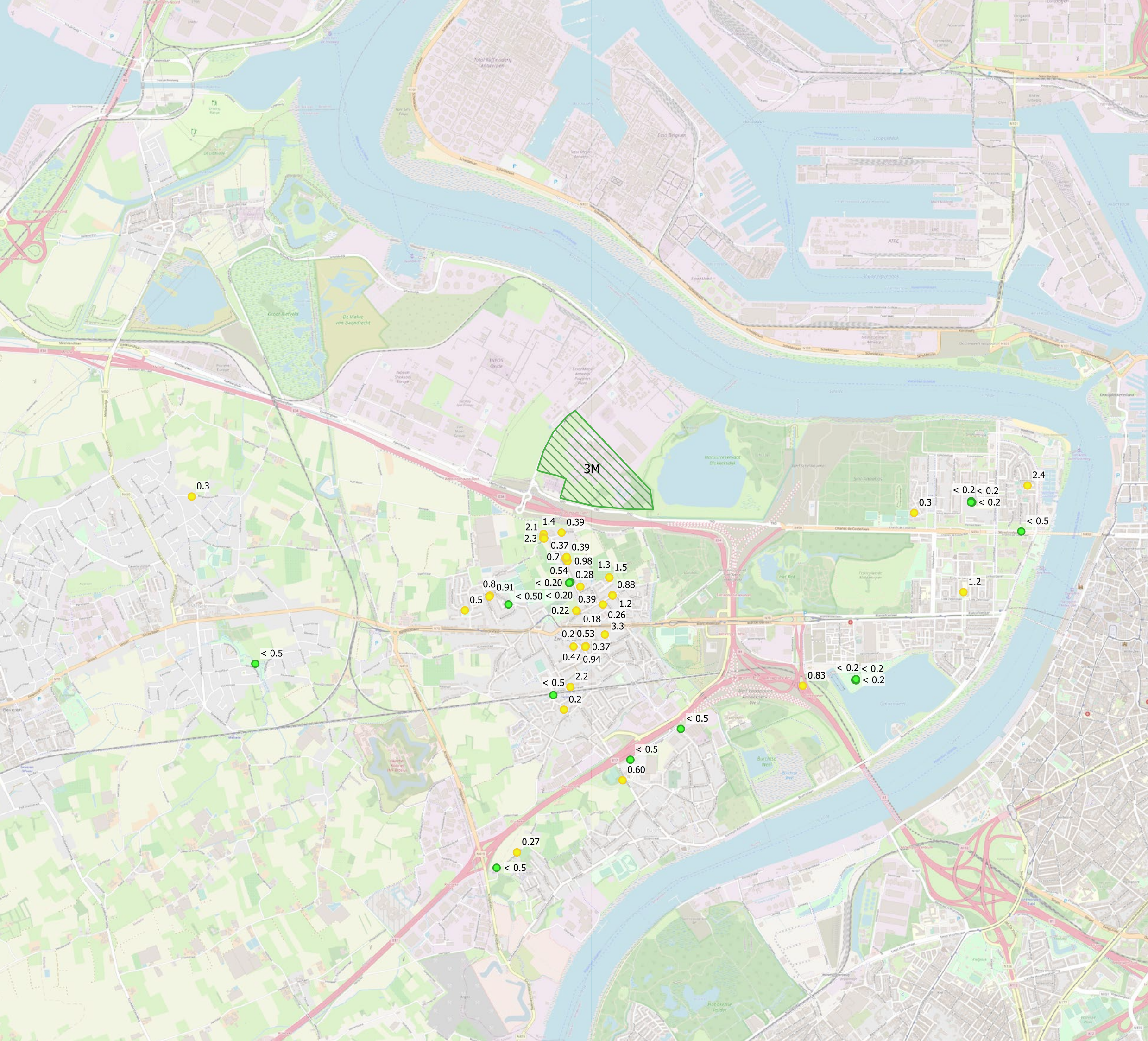
PFOA 0-0,5 m-mv - Land use III

PFOA < detection limit

PFOA <= 89 µg/kg dw


OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses.
Here:
0.2 µg/kg ds
0.5 µg/kg ds
5.0 µg/kg ds



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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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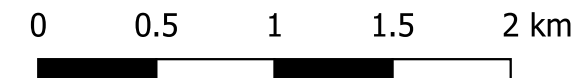
Figure: 6	Description: Maps showing PFAS concentrations in soil
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Phase: 1A off-site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 7-2-2022
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1:32000



Legend

Site

Maps DSI Soil

PFOS (Sum)

PFOS 0-0,5 m-mv - Land use II, III, IV & V

< DL

0 - 1 µg/kg ds

1 - 10 µg/kg ds

10 - 100 µg/kg ds

100 - 500 µg/kg ds

> 500 µg/kg ds

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses.

Here:

0.2 µg/kg ds

0.5 µg/kg ds

5.0 µg/kg ds

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Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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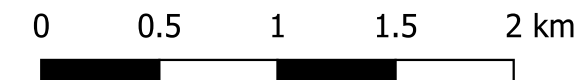
Figure: 6	Description: Maps showing PFAS concentrations in soil
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Phase: 1A off-site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 7-2-2022
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1:32000



Legend

Site

Maps DSI Soil

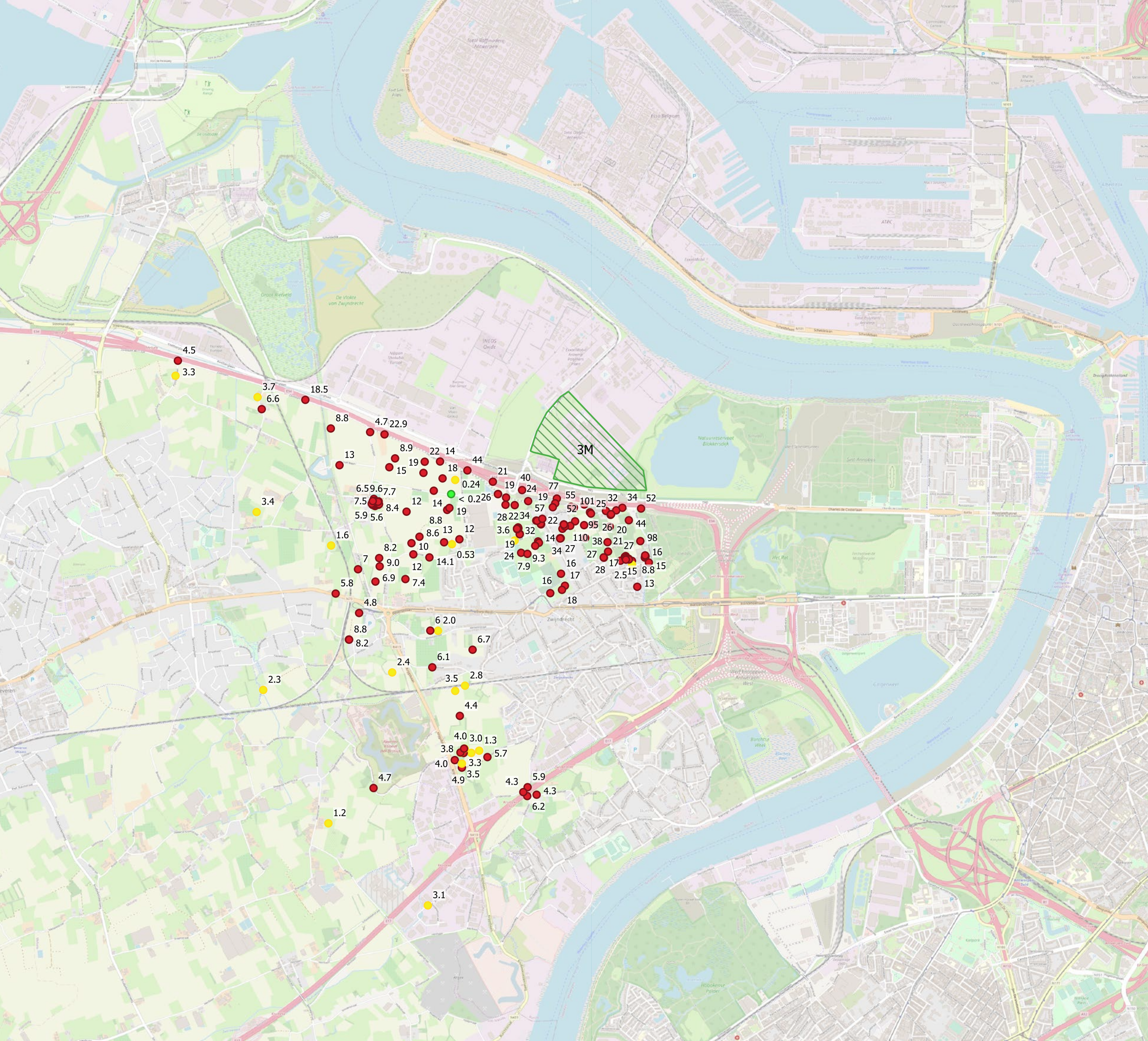
PFOS (Sum)

PFOS 0-0,5 m-mv - Land use II

- PFOS < detection limit
- PFOS ≤ 3.8 µg/kg dw
- PFOS > 3.8 µg/kg dw


OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses.
Here:
NA



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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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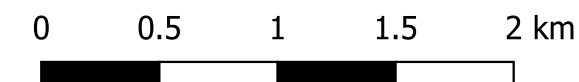
Figure: 6	Description: Maps showing PFAS concentrations in soil
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Phase: 1A off-site	
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Scale: 1:32000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 7-2-2022
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Legend

Site

Maps DSI Soil

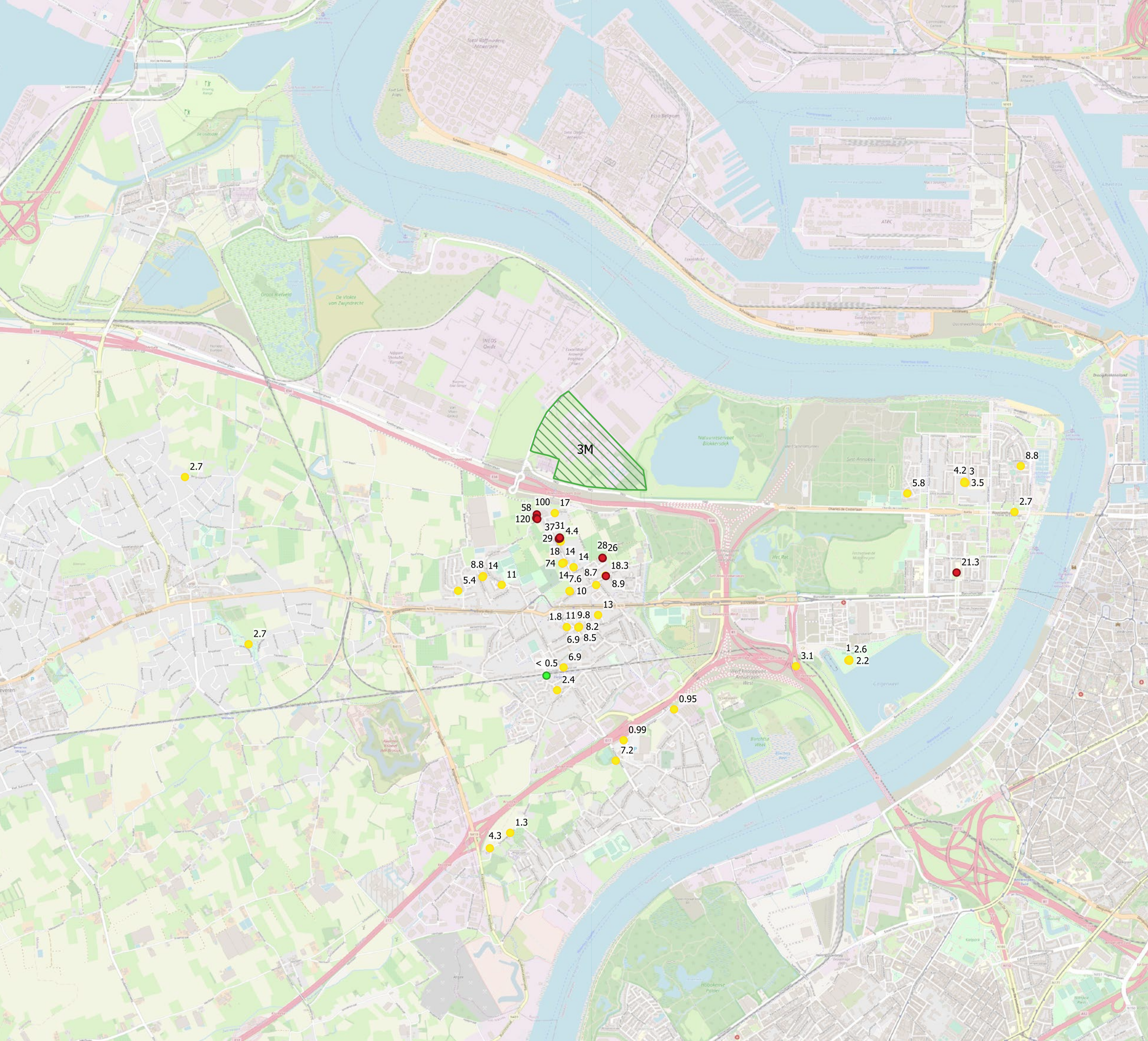
PFOS (Sum)

PFOS 0-0,5 m-mv - Land use III

- PFOS < detection limit
- PFOS ≤ 18 µg/kg dw
- PFOS > 18 µg/kg dw


OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses. Here: 0.5 µg/kg ds



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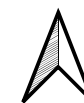
Client / Project Name: 3M	Location: Zwijnrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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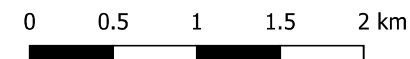
Figure: 6	Description: Maps showing PFAS concentrations in soil
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Phase: 1A off-site	
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Scale: 1:32000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 7-2-2022
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1:32000



Legend

Site

Maps DSI Soil

FOSA

FOSA 0-0,5 m-mv - Land use II, III, IV & V

○ < DL

● 0 - 0.5 µg/kg ds

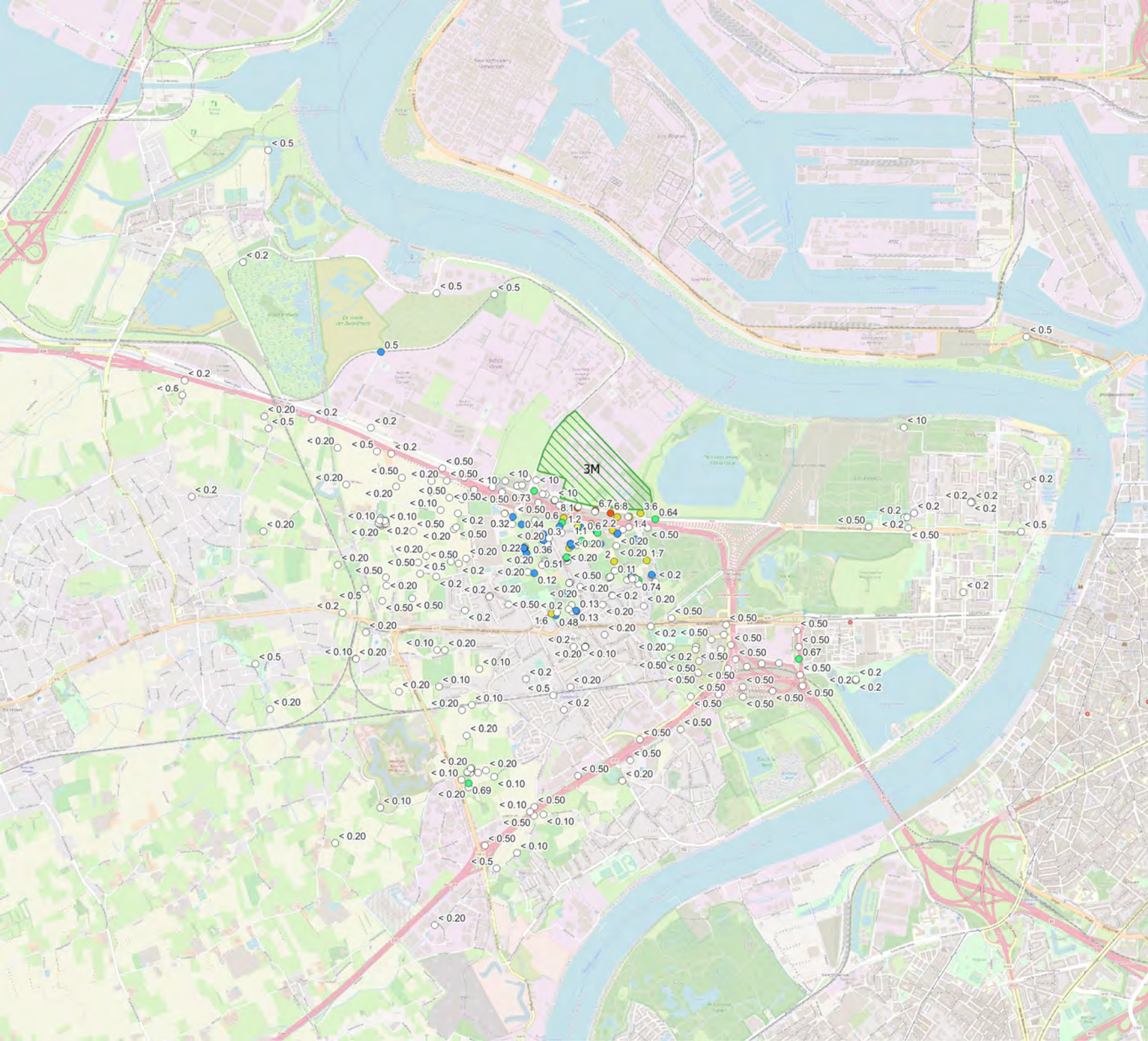
● 0.5 - 1 µg/kg ds

● 1 - 5 µg/kg ds

● 5 - 10 µg/kg ds


OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.1 µg/kg ds
0.2 µg/kg ds
0.5 µg/kg ds
10 µg/kg ds



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Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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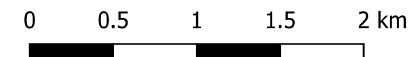
Figure: 6	Description: Map showing concentrations of PFAS in soil
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Phase: 1A off site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:32000



Legend



Maps DSI Soil

FOSA

FOSA 0-0,5 m-mv - Land use II

○ < DL

● 0 - 0.5 µg/kg ds

● 0.5 - 1 µg/kg ds

● 1 - 5 µg/kg ds

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.1 µg/kg ds
0.2 µg/kg ds
0.5 µg/kg ds



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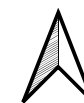


Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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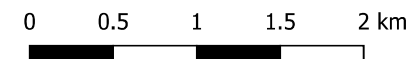
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 6	Description: Map showing concentrations of PFAS in soil
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Phase: 1A off site	Scale: 1:32000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022
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Legend



Maps DSI Soil

PFBA

PFBA 0-0,5 m-mv - Land use II, III, IV & V

○ < DL

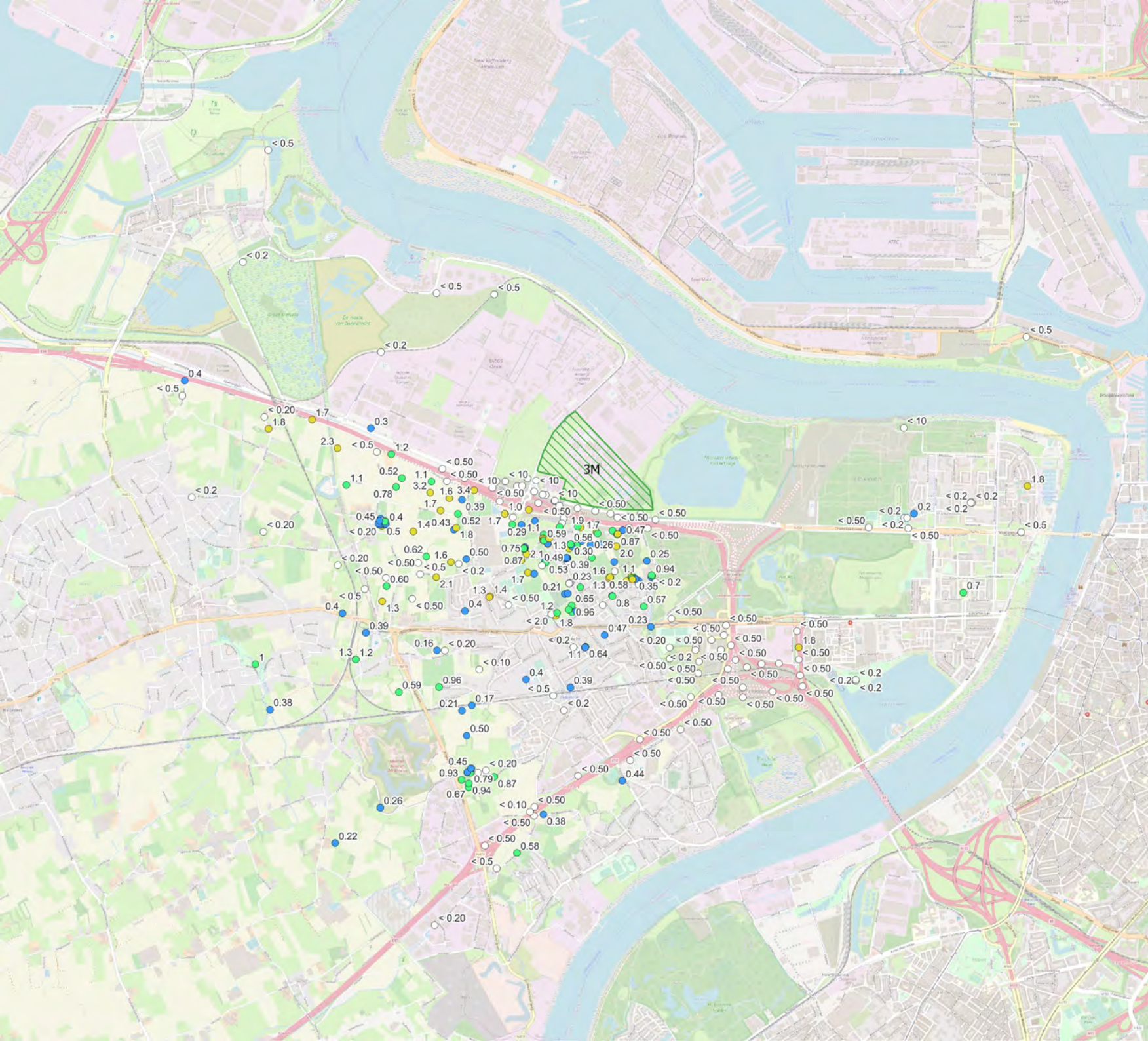
● 0 - 0.5 µg/kg ds

● 0.5 - 1.25 µg/kg ds

● 1.25 - 5 µg/kg ds


OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.2 µg/kg ds
0.5 µg/kg ds
10 µg/kg ds



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Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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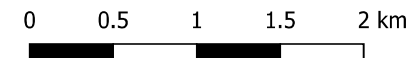
Figure: 6	Description: Maps showing PFAS concentrations in soil
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Phase: 1A off-site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:32000



Legend



Maps DSI Soil

PFBA

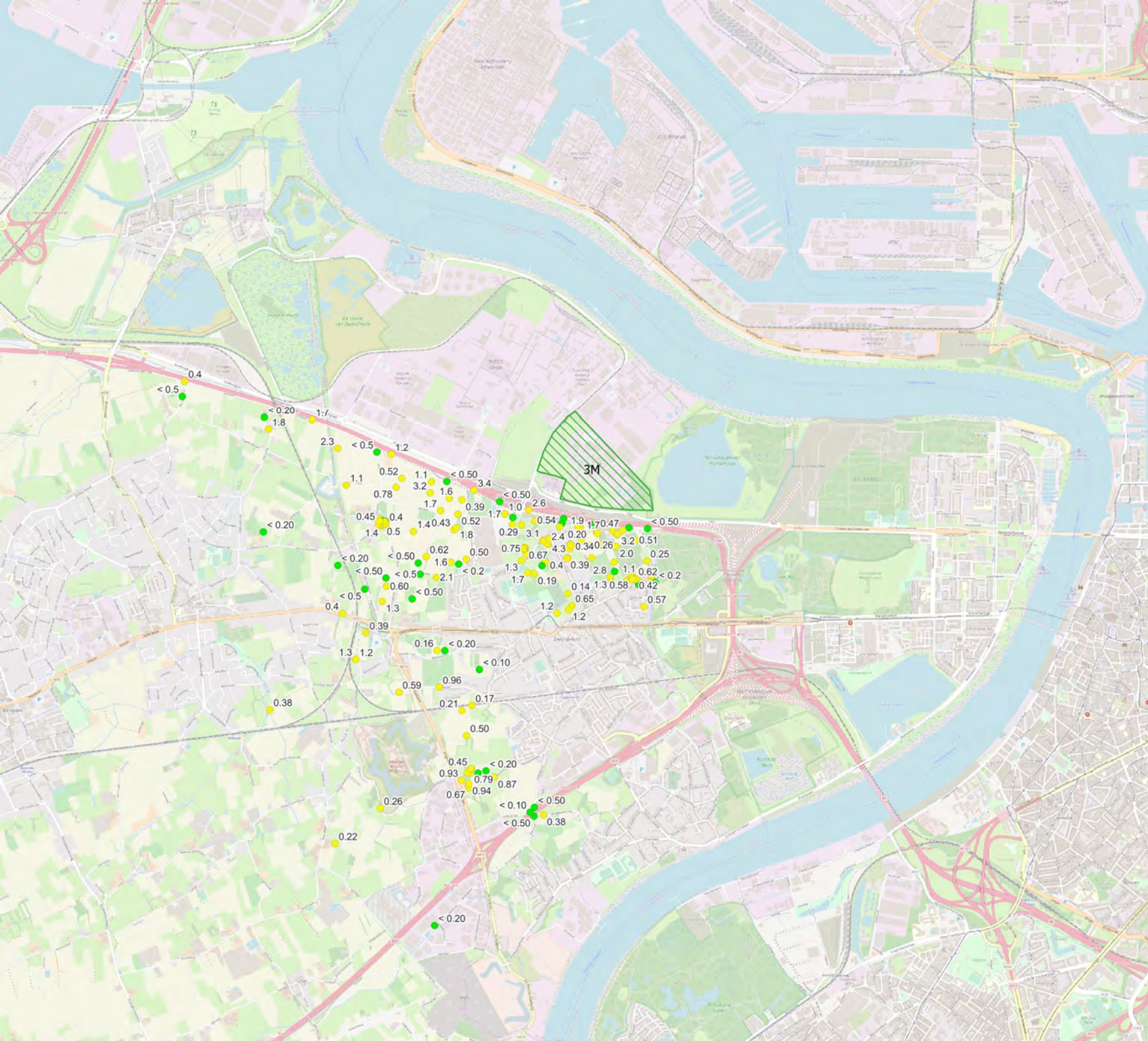
PFBA 0-0,5 m-mv - Land use II

● < DL

● ≤ 113.5µg/kg ds

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.1 µg/kg ds
0.2 µg/kg ds
0.5 µg/kg ds



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Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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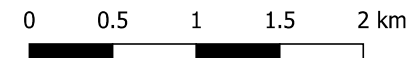
Figure: 6	Description: Maps showing PFAS concentrations in soil
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Phase: 1A off-site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:32000



Legend

Site

Maps DSI Soil

PFBA

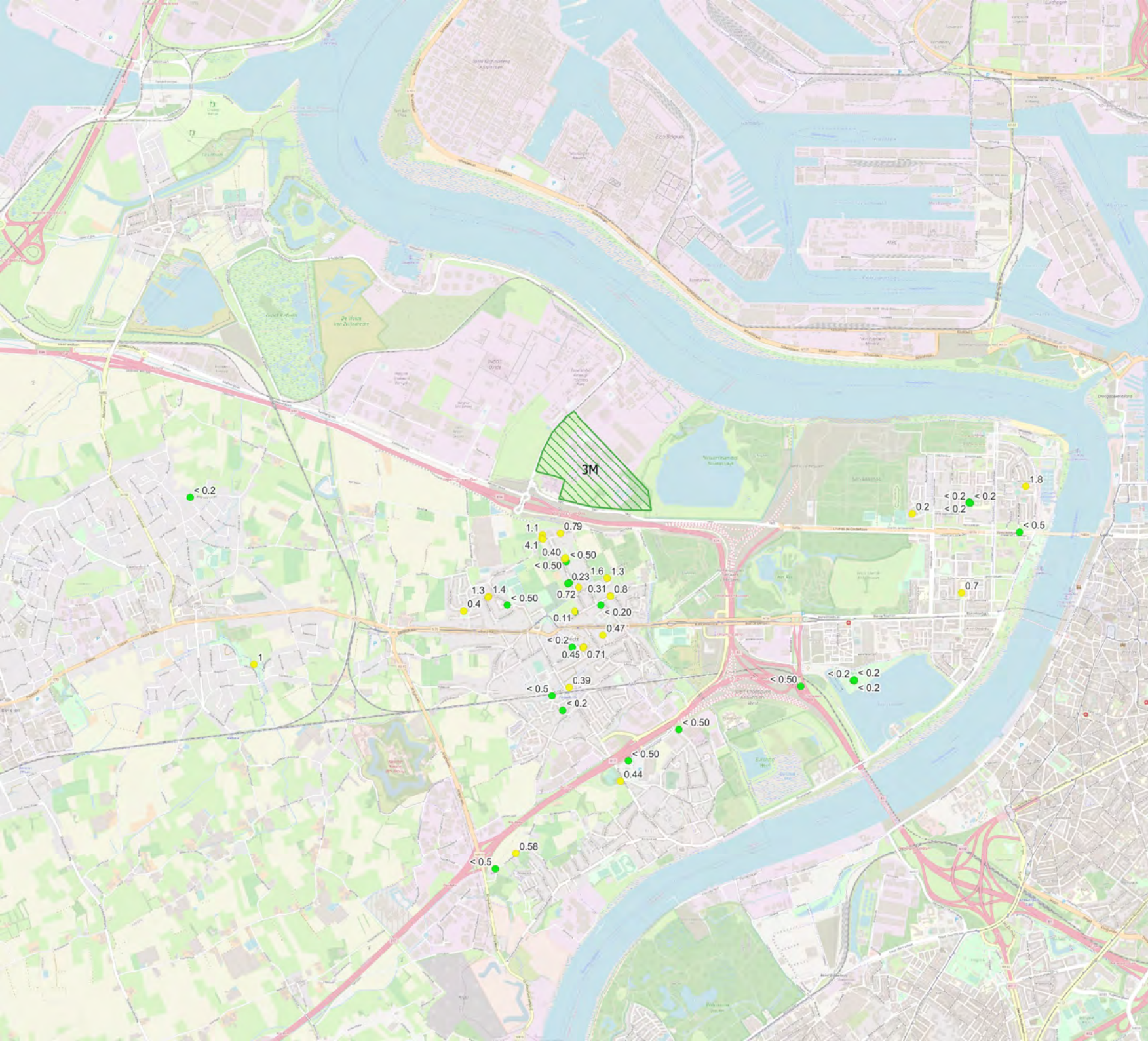
PFBA 0-0,5 m-mv - Land use III

< DL

<= 269.3 µg/kg ds


OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.2 µg/kg ds
0.5 µg/kg ds



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Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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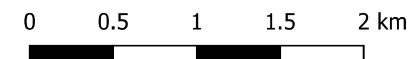
Figure: 6	Description: Maps showing PFAS concentrations in soil
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Phase: 1A off-site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:32000



Legend

Site

Maps DSI Soil

PFBSA

PFBSA 0-0,5 m-mv - Land use II, III, IV & V

○ < DL

● 0 - 0.5 µg/kg ds

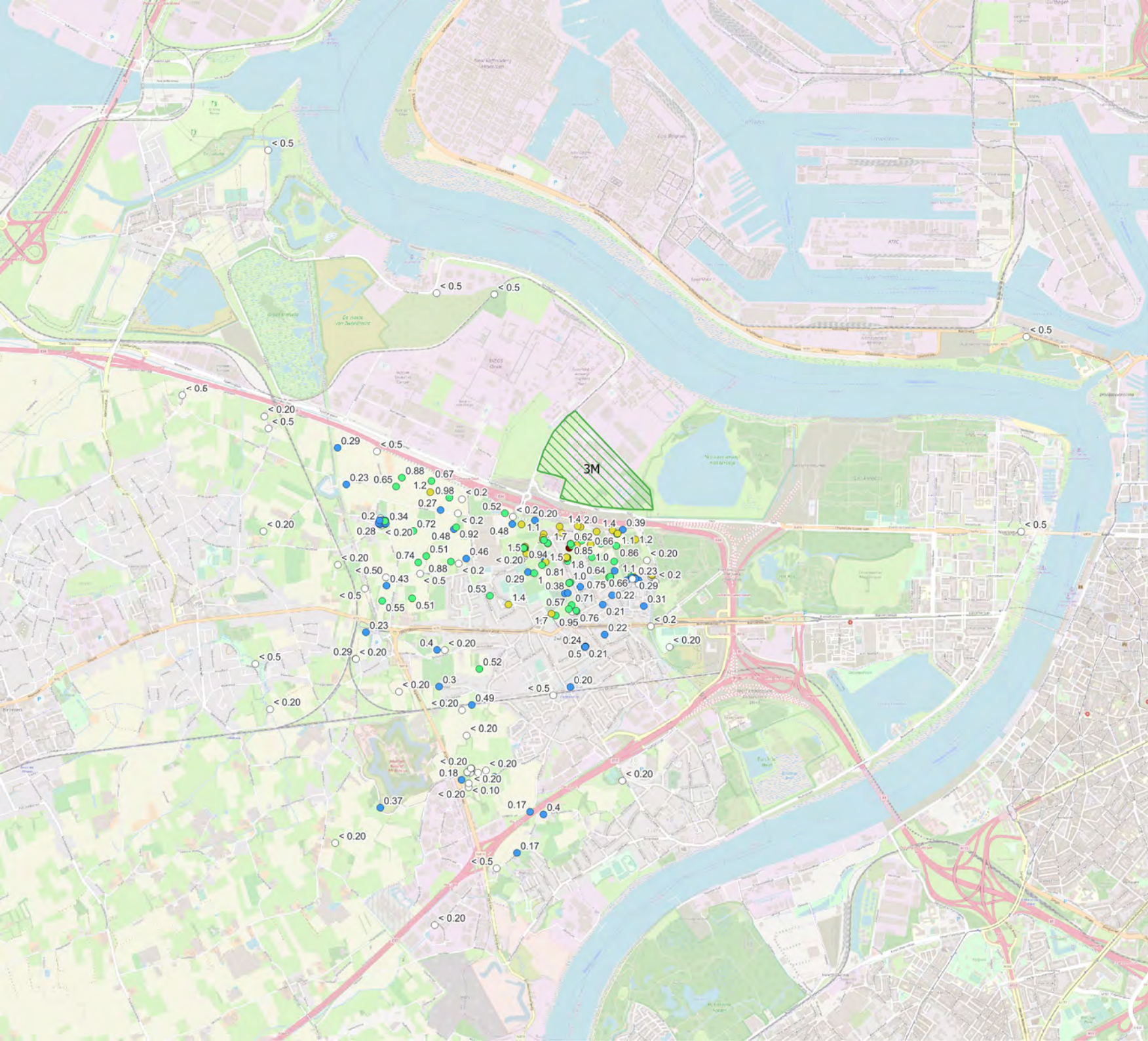
● 0.5 - 1 µg/kg ds

● 1 - 5 µg/kg ds

● > 10 µg/kg ds


OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.2 µg/kg ds
0.5 µg/kg ds



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				<input checked="" type="checkbox"/> DRAFT

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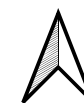
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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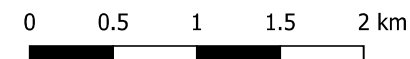
Figure: 6	Description: Map showing concentrations of PFAS in soil
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Phase: 1A off site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:32000



Legend

Site

Maps DSI Soil

PFBSA

PFBSA 0-0,5 m-mv - Land use II

○ < DL

● 0 - 0.5 µg/kg ds

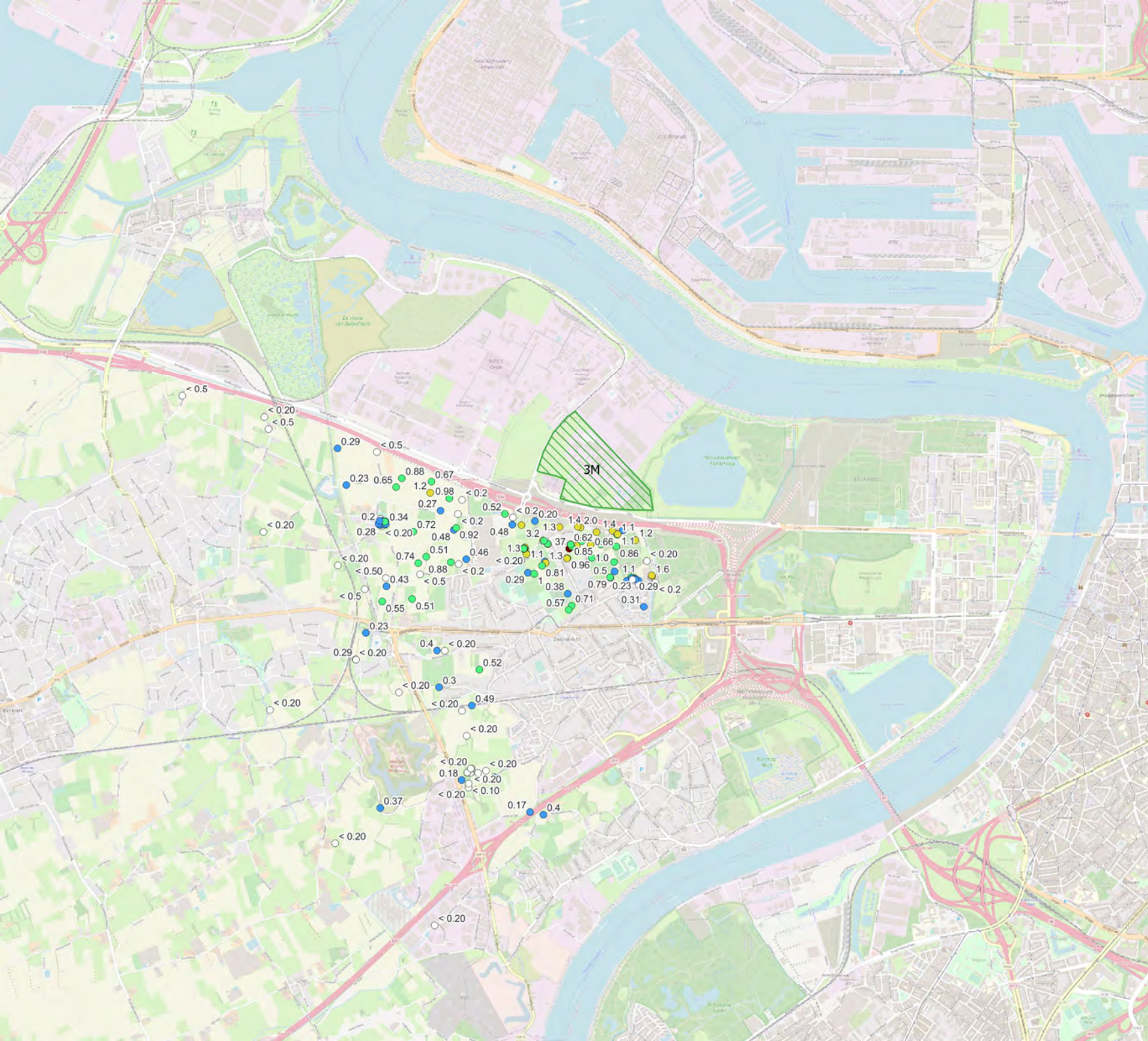
● 0.5 - 1 µg/kg ds

● 1 - 5 µg/kg ds

● > 10 µg/kg ds


OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.2 µg/kg ds
0.5 µg/kg ds



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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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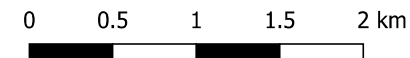
Figure: 6	Description: Map showing concentrations of PFAS in soil
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Phase: 1A off site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:32000



Legend



Site

Maps DSI Soil

PFBSA

PFBSA 0-0,5 m-mv - Land use III

- < DL
- 0 - 0.5 µg/kg ds
- 0.5 - 1 µg/kg ds
- 1 - 5 µg/kg ds

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
 0.2 µg/kg ds
 0.5 µg/kg ds



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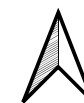
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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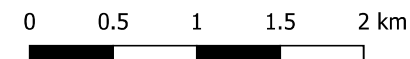
Figure: 6	Description: Map showing concentrations of PFAS in soil
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Phase: 1A off site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:32000



Legend



Maps DSI Soil

PFHxA

PFHxA 0-0,5 m-mv - Land use II, III, IV & V

○ < DL

● 0 - 0.5 µg/kg ds

● 0.5 - 1 µg/kg ds

● 1 - 5 µg/kg ds

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:

0.1 µg/kg ds

0.2 µg/kg ds

0.5 µg/kg ds

5.0 µg/kg ds

10 µg/kg ds

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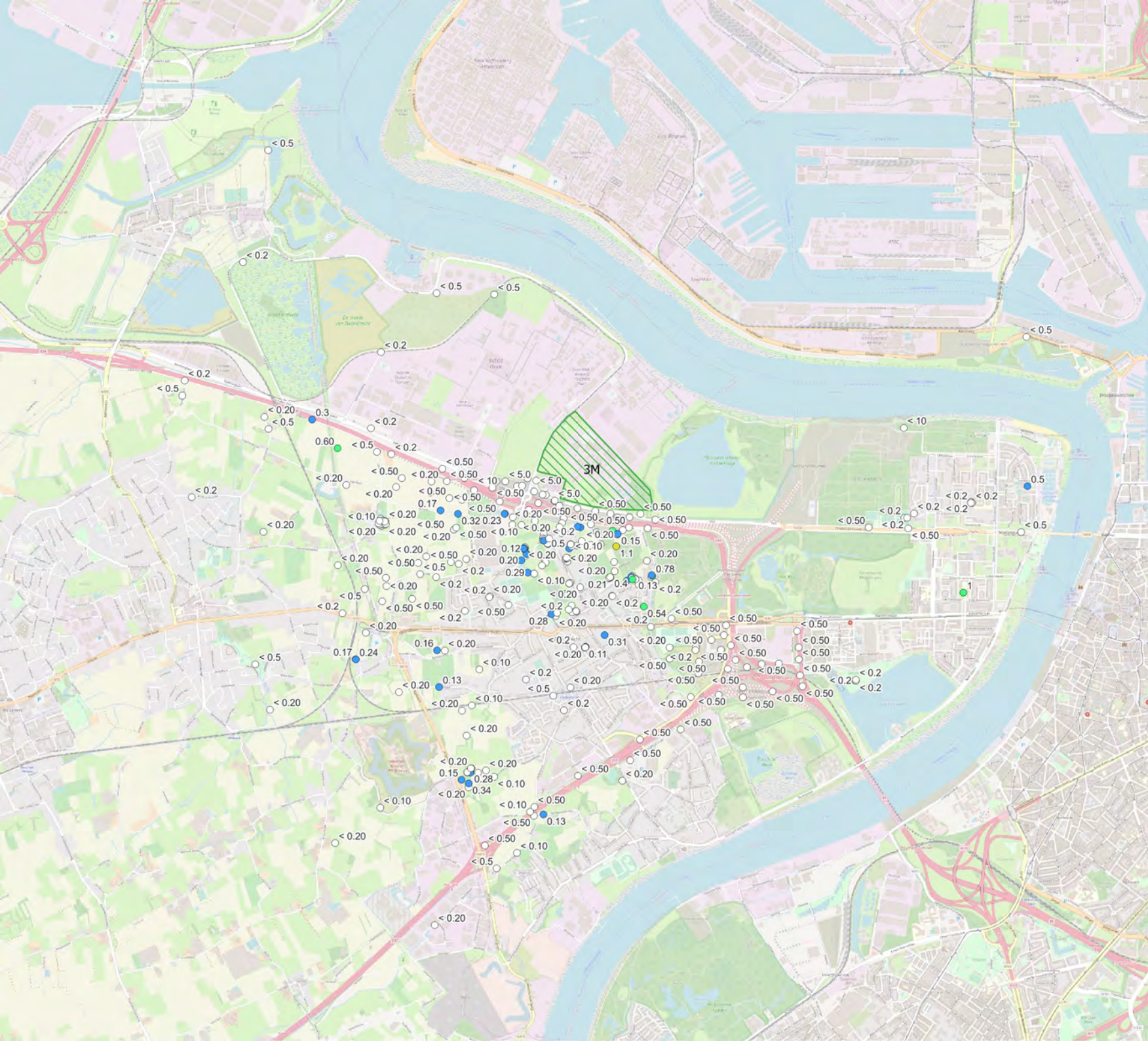


Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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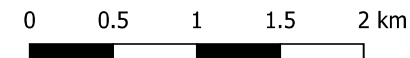
Figure: 6	Description: Map showing PFAS concentrations in soil
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Phase: 1A off-site	Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:32000



Legend



Maps DSI Soil

PFHxA

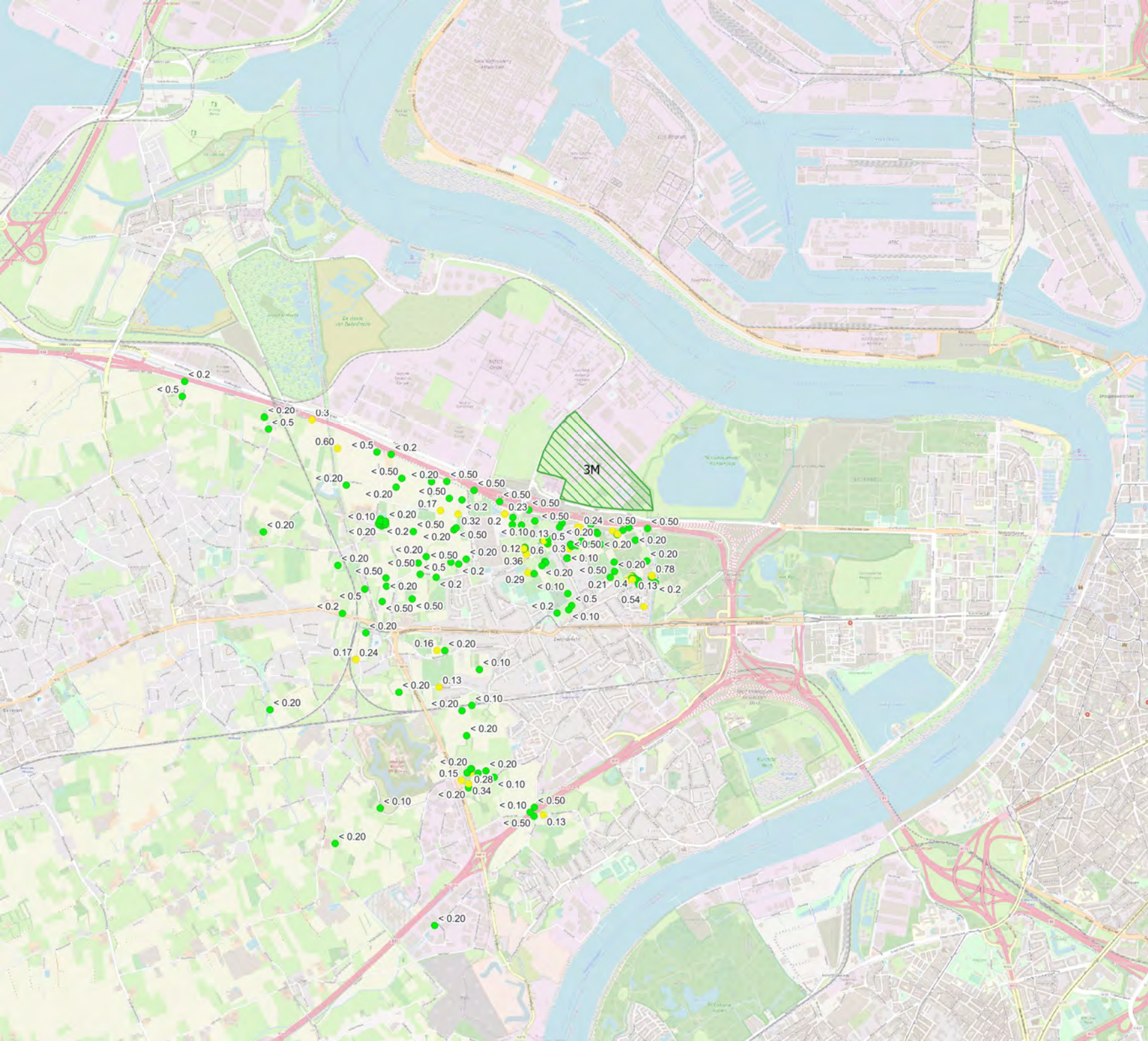
PFHxA 0-0,5 m-mv - Land use II

● < DL

● ≤ 1101 µg/kg ds


OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.1 µg/kg ds
0.2 µg/kg ds
0.5 µg/kg ds



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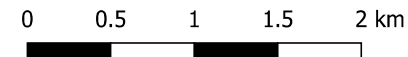
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 6	Description: Map showing PFAS concentrations in soil
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Phase: 1A off-site	Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:32000



Legend



Site

Maps DSI Soil

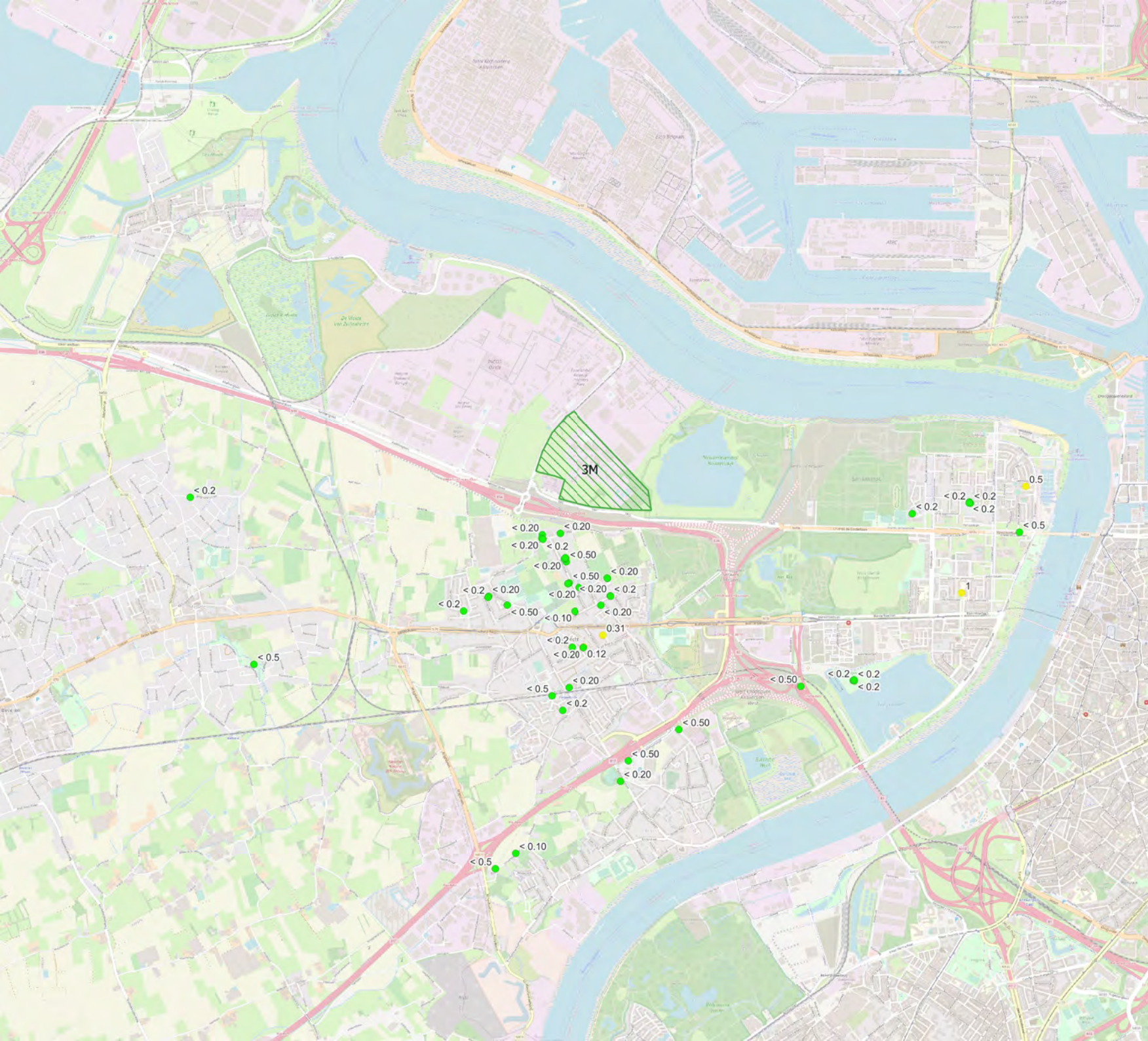
PFHxA

● < DL

● ≥ 3120 µg/kg ds

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.1 µg/kg ds
0.2 µg/kg ds
0.5 µg/kg ds



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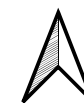
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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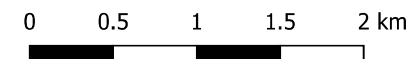
Figure: 6	Description: Map showing PFAS concentrations in soil
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Phase: 1A off-site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:32000



Legend

Site

Maps DSI Soil

PFHxS

PFHxS 0-0,5 m-mv - Land use II, III, IV & V

- < DL
- 0 - 0.5 µg/kg ds
- 0.5 - 1 µg/kg ds
- 1 - 5 µg/kg ds
- 5 - 10 µg/kg ds
- > 10 µg/kg ds


OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:

- 0.1 µg/kg ds
- 0.2 µg/kg ds
- 0.5 µg/kg ds
- 10 µg/kg ds

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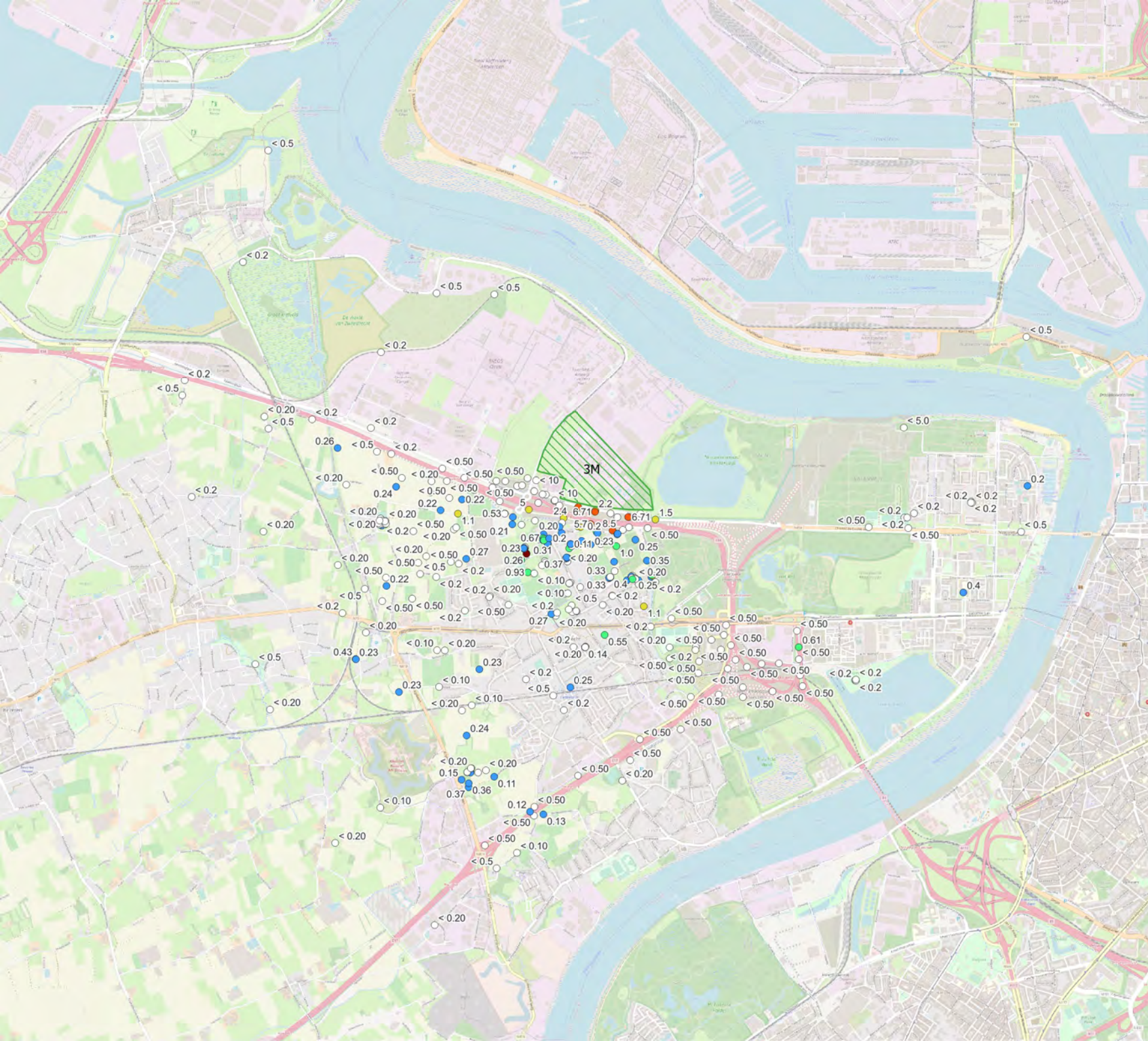
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 6	Description: Map showing PFAS concentrations in soil
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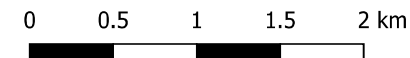
Phase: 1A off-site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:32000



Legend

Site

Maps DSI Soil

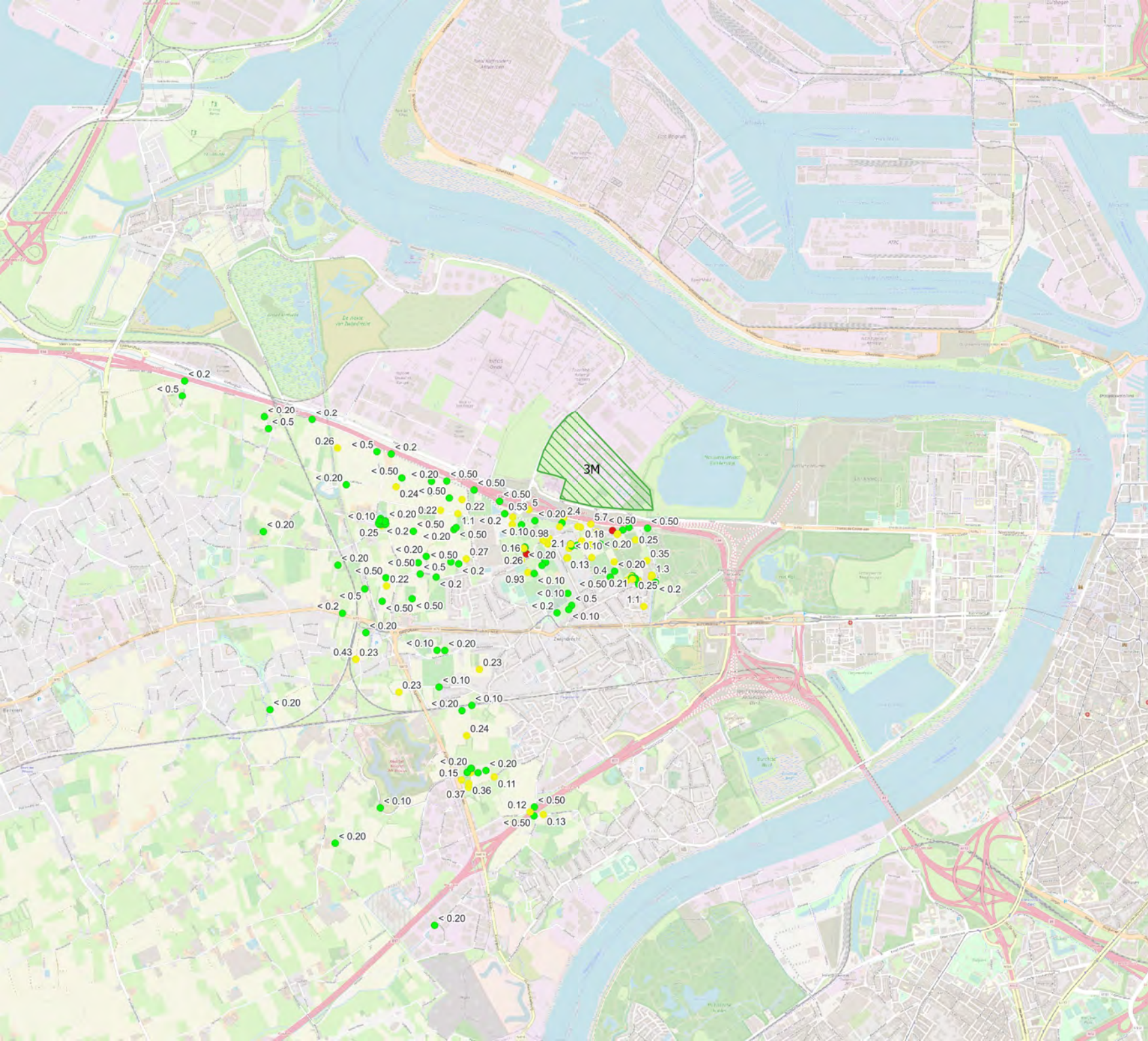
PFHxS

PFHxS 0-0,5 m-mv - Land use II

- < DL
- ≤ 8 µg/kg ds
- > 8 µg/kg ds


OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
 0.1 µg/kg ds
 0.2 µg/kg ds
 0.5 µg/kg ds



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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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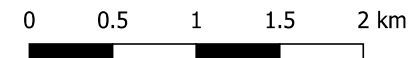
Figure: 6	Description: Map showing PFAS concentrations in soil
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Phase: 1A off-site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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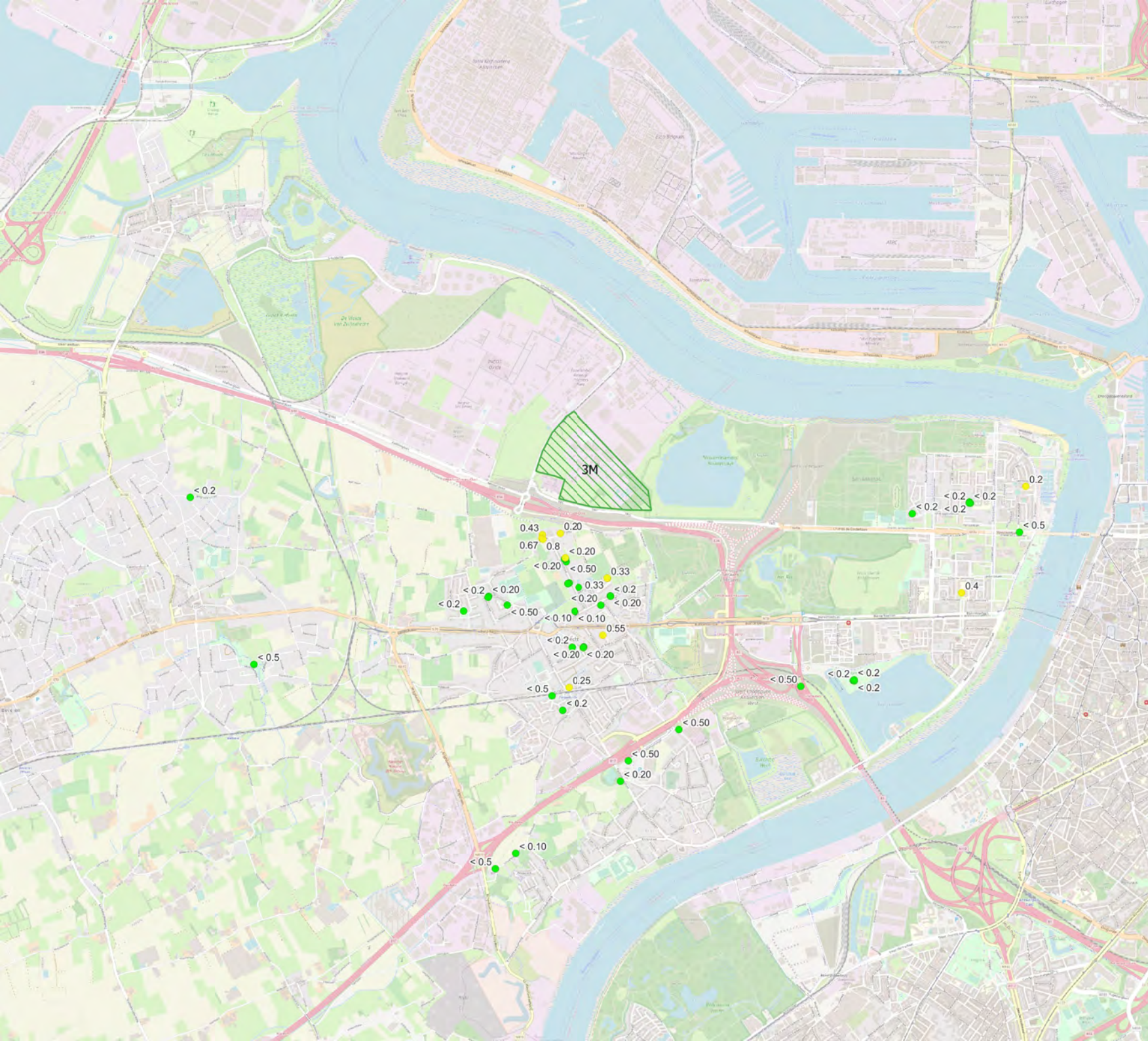
1:32000



Legend


- Site
- Maps DSI Soil
- PFHxS
- PFHxS 0-0,5 m-mv - Land use III
 - < DL
 - <= 14.9 µg/kg ds
- OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.1 µg/kg ds
0.2 µg/kg ds
0.5 µg/kg ds



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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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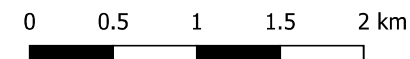
Figure: 6	Description: Map showing PFAS concentrations in soil
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Phase: 1A off-site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:32000



Legend

Site

Maps DSI Soil

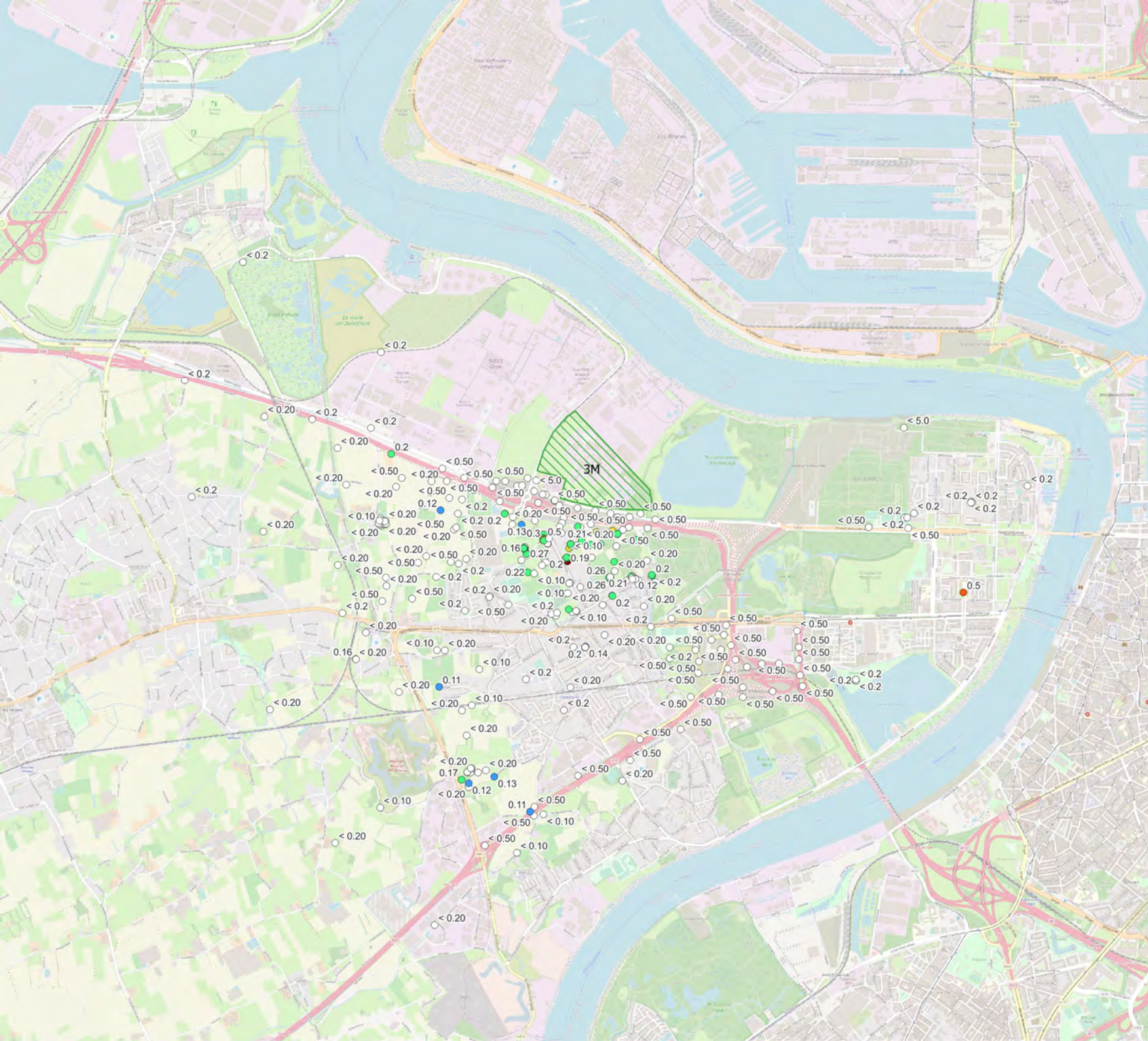
PFNA

PFNA 0-0,5 m-mv - Land use II, III, IV & V

- < DL
- 0 - 0.15 µg/kg ds
- 0.15 - 0.3 µg/kg ds
- 0.3 - 0.45 µg/kg ds
- 0.45 - 0.6 µg/kg ds
- > 0.6 µg/kg ds


OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.1 µg/kg ds
0.2 µg/kg ds
0.5 µg/kg ds



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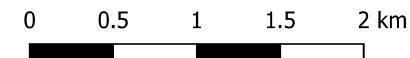
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 6	Description: Map showing concentrations of PFAS in soil
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Phase: 1A off site	Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:32000



Legend



Maps DSI Soil

PFNA

PFNA 0-0,5 m-mv - Land use II

- < DL
- 0 - 0.15 µg/kg ds
- 0.15 - 0.3 µg/kg ds
- 0.3 - 0.45 µg/kg ds


OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
 0.1 µg/kg ds
 0.2 µg/kg ds
 0.5 µg/kg ds



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Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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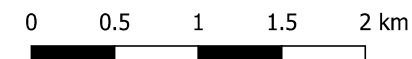
Figure: 6	Description: Map showing concentrations of PFAS in soil
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Phase: 1A off site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:32000



Legend



Maps DSI Soil

PFNA

PFNA 0-0,5 m-mv - Land use III

- < DL
- 0 - 0.15 µg/kg ds
- 0.15 - 0.3 µg/kg ds
- 0.45 - 0.6 µg/kg ds
- > 0.6 µg/kg ds

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.2 µg/kg ds
0.5 µg/kg ds



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Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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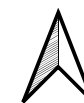
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 6	Description: Map showing concentrations of PFAS in soil
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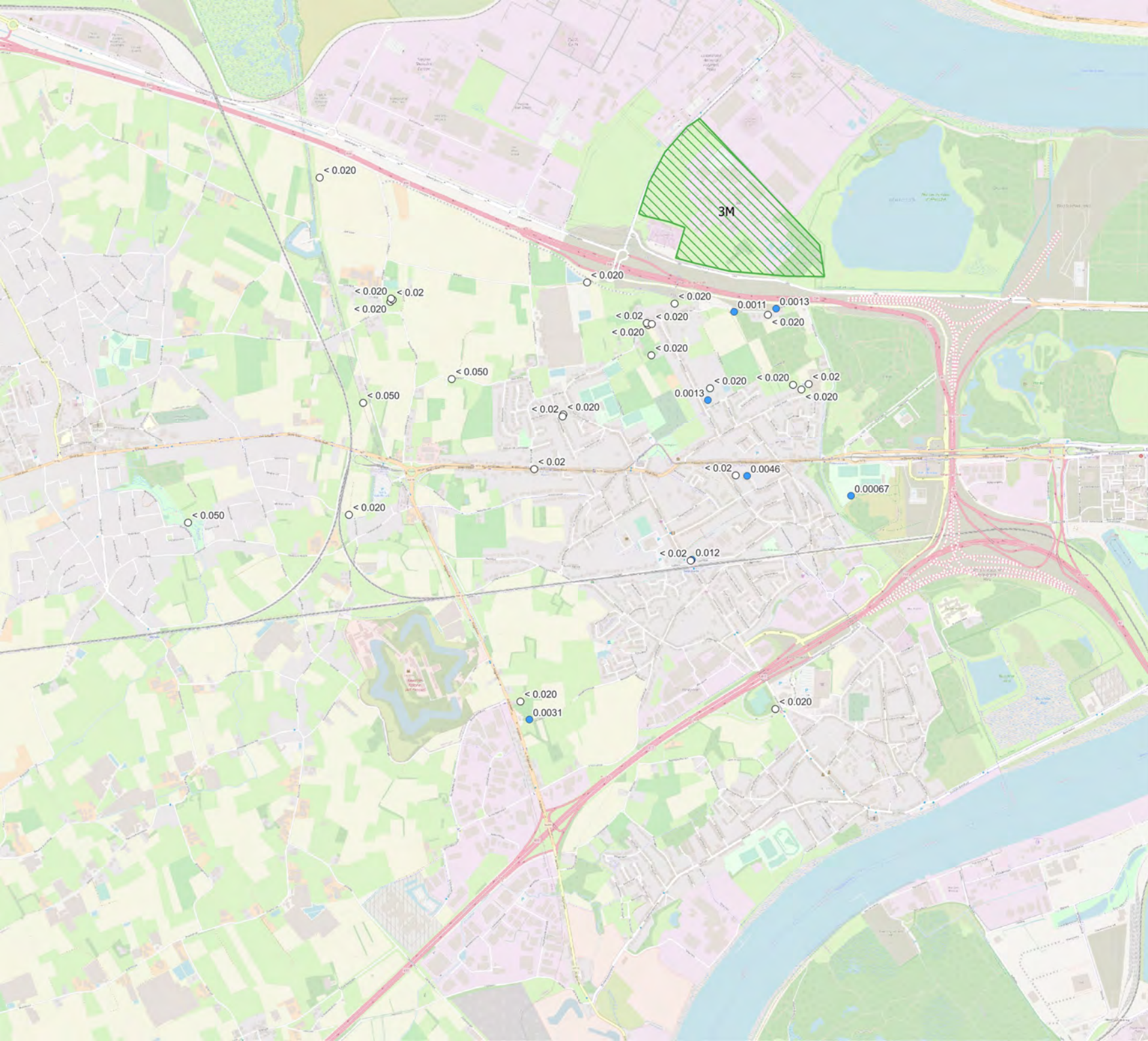
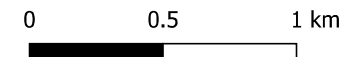
Phase: 1A off site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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FIGUUR 7 KAARTEN MET DE RESULTATEN IN GRONDWATER



1:20000



Legend



Maps DSI GroundWater

FOSA GW


- < DL
- 0 - 0.25 µg/L

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
 0.02 µg/L
 0.05 µg/L

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Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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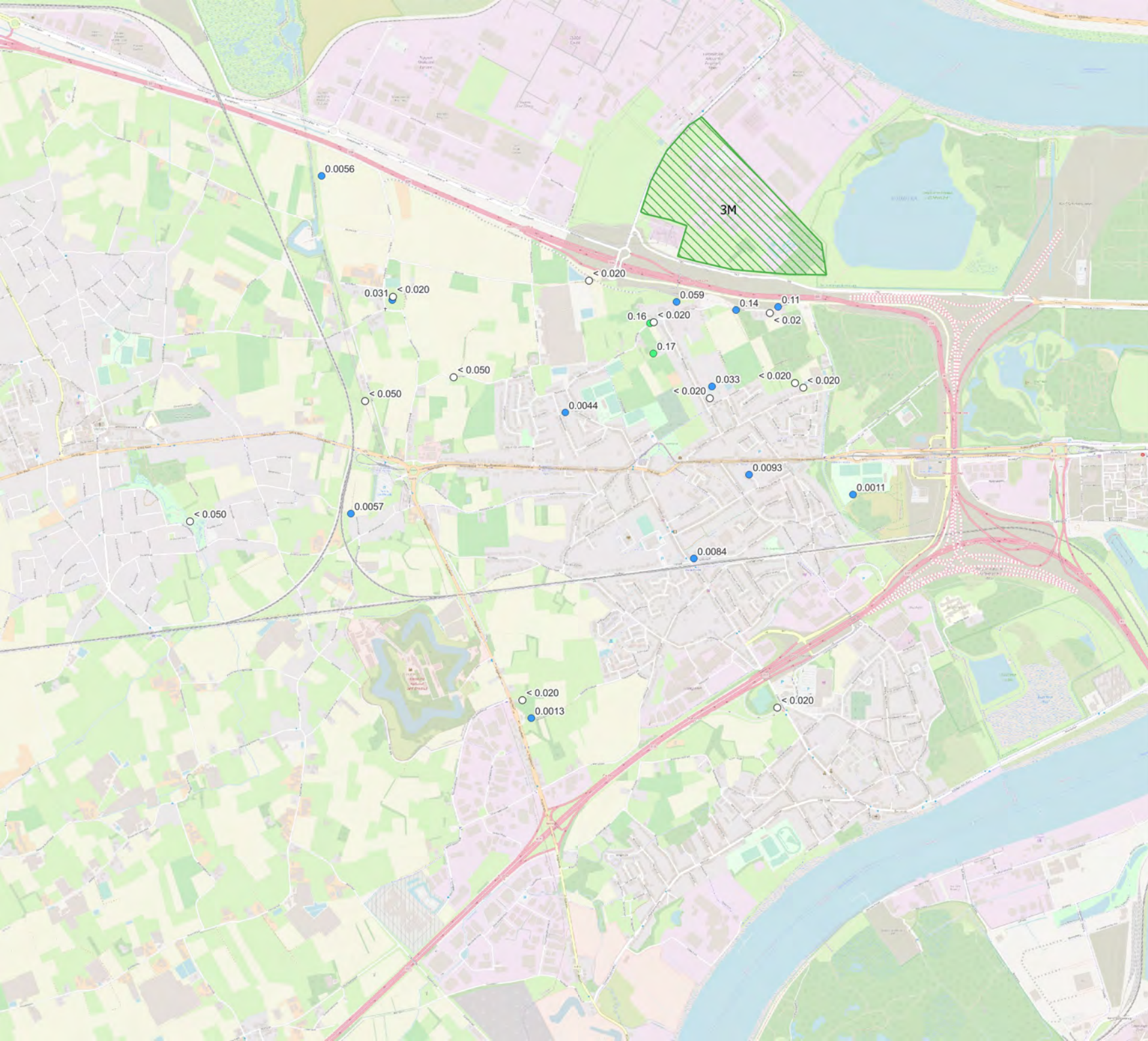
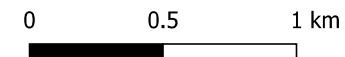
Figure: 7	Description: Maps showing PFAS concentrations in groundwater
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Phase: 1A off-site	
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Scale: 1:20000	Page Size: A3	Filename:	Date: 8-2-2022
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1:20000



Legend



Maps DSI GroundWater

PFBSA GW


- < DL
- 0 - 0.15 µg/L
- 0.15 - 0.3 µg/L

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.02 µg/L
0.05 µg/L

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Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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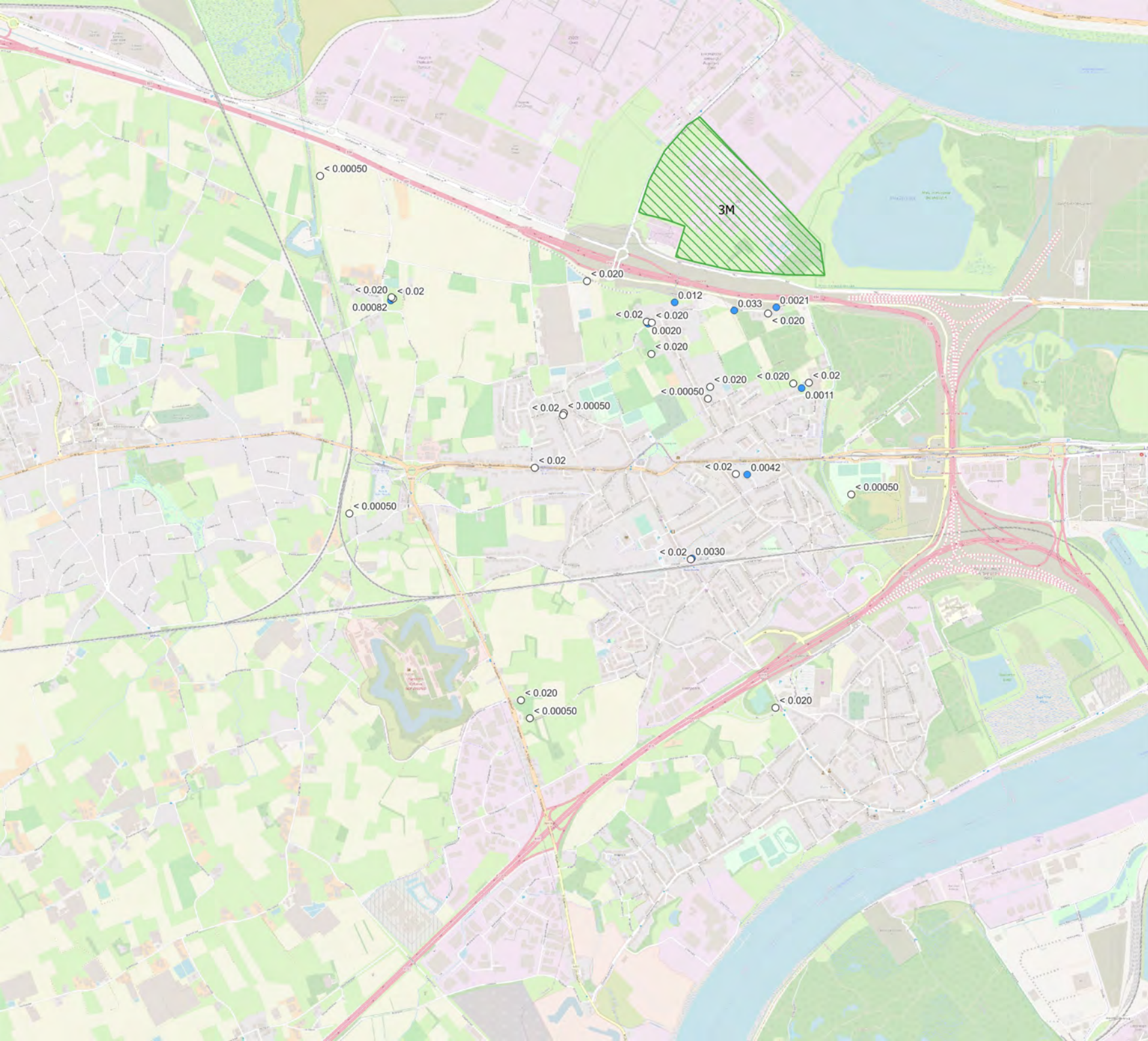
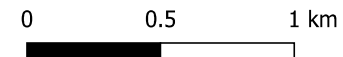
Figure: 7	Description: Maps showing PFAS concentrations in groundwater
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Phase: 1A off-site	
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Scale: 1:20000	Page Size: A3	Filename:	Date: 8-2-2022
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1:20000



Legend

Site

Maps DSI GroundWater

PFNA GW

< DL


0 - 0.15 µg/L

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.0005 µg/L
0.02 µg/L

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Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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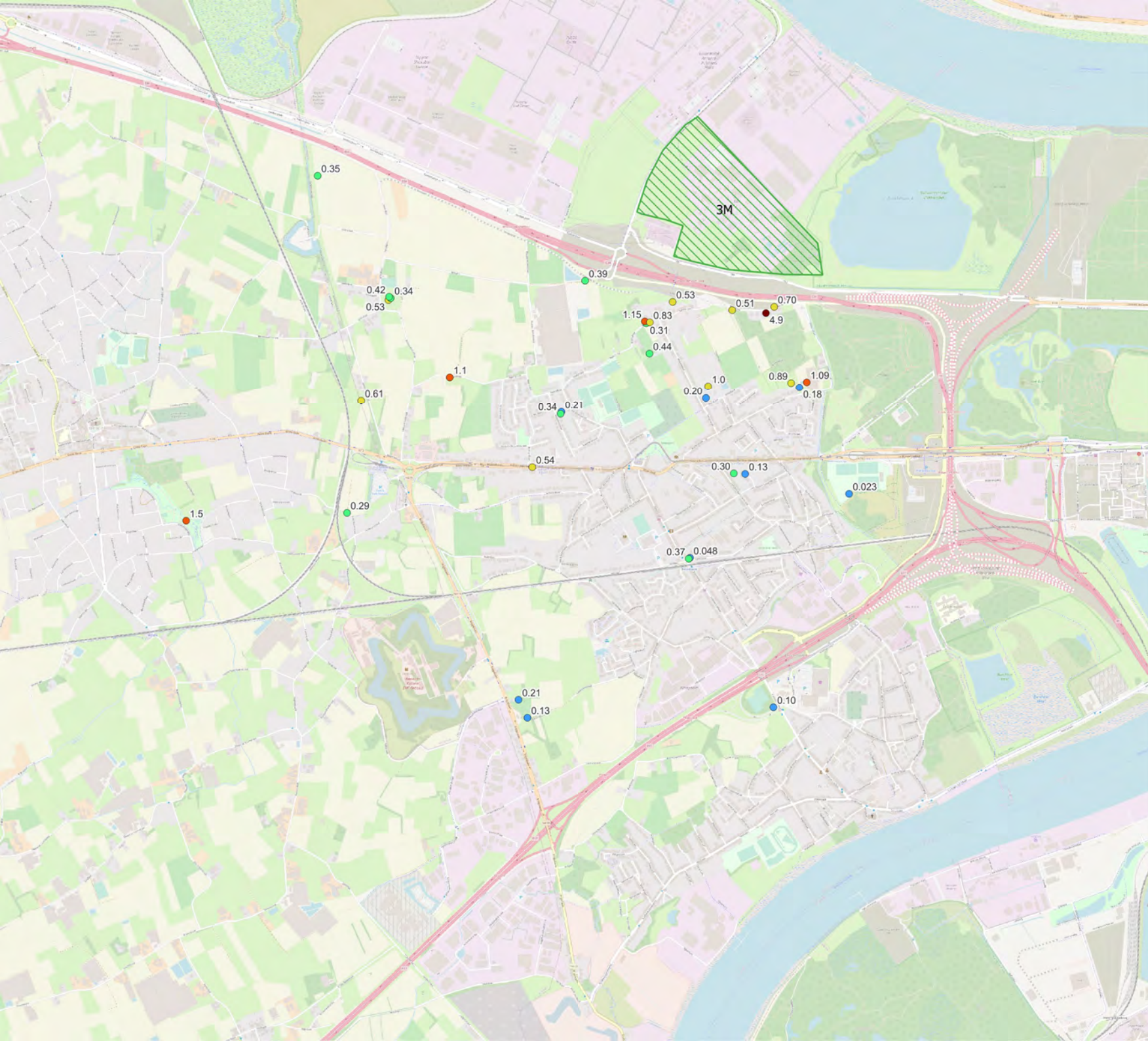
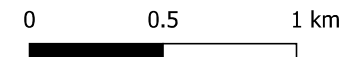
Figure: 7	Description: Maps showing PFAS concentrations in groundwater
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Phase: 1A off-site	
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Scale: 1:20000	Page Size: A3	Filename:	Date: 8-2-2022
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1:20000



Legend



Maps DSI GroundWater

PFBA GW

- 0 - 0.25 µg/L
- 0.25 - 0.5 µg/L
- 0.5 - 1 µg/L
- 1 - 2 µg/L
- > 2 µg/L

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
N/A

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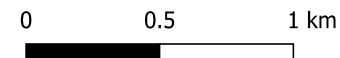
Environmental Resources Management N.V. Cantersteen 47 1000 Brussel Tel.: +32 2 550 02 80 Fax.: +32 2 287 36 79		
Client / Project Name: 3M	Location: Zwijndrecht, Belgium	

Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
Figure: 7	Description: Maps showing PFAS concentrations in groundwater

Phase: 1A off-site	Scale: 1:20000	Page Size: A3	Filename:	Date: 8-2-2022
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1:20000



Legend



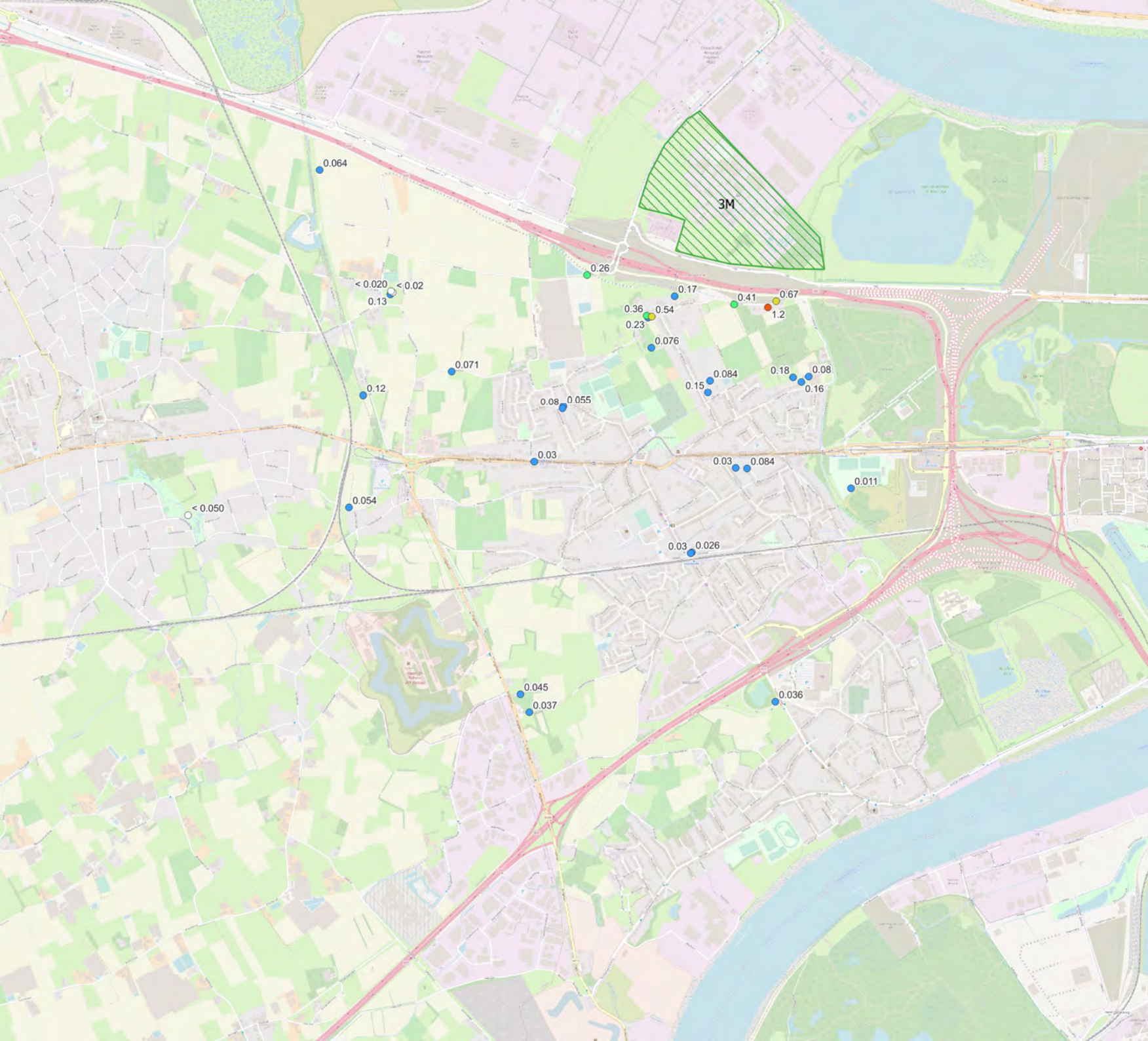
Maps DSI GroundWater

PFHxS GW

- < DL
- 0 - 0.25 µg/L
- 0.25 - 0.5 µg/L
- 0.5 - 1 µg/L
- 1 - 2 µg/L


OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
 0.02 µg/L
 0.05 µg/L



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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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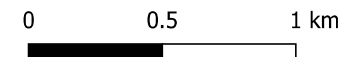
Figure: 7	Description: Maps showing PFAS concentrations in groundwater
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Phase: 1A off-site	Page Size: A3	Filename:	Date: 8-2-2022
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Scale: 1:20000	Page Size: A3	Filename:	Date: 8-2-2022
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1:20000



Legend



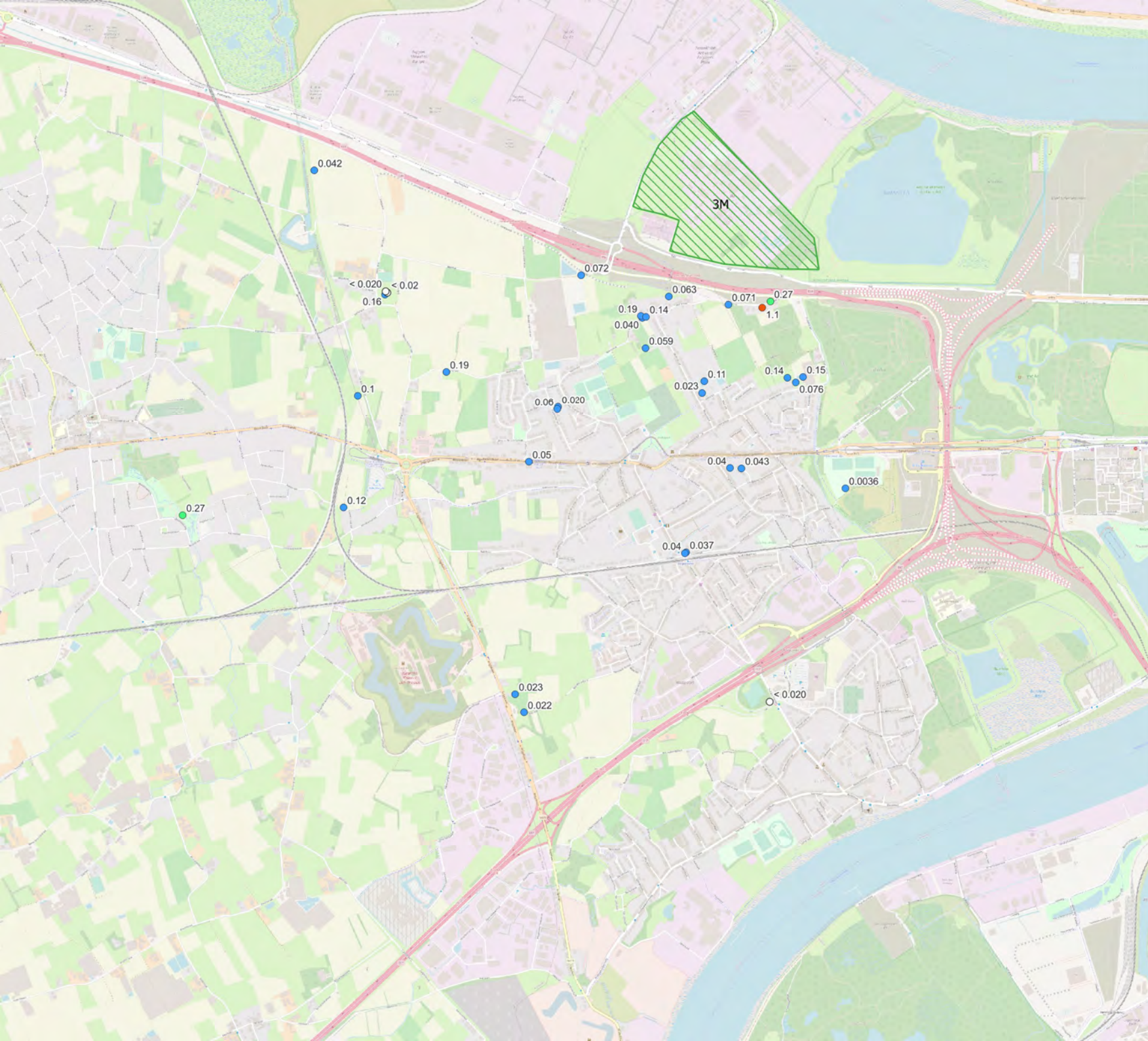
Maps DSI GroundWater

PFHxA GW

- < DL
- 0 - 0.25 µg/L
- 0.25 - 0.5 µg/L
- 1 - 2 µg/L


OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.2 µg/L
0.5 µg/L



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				DRAFT

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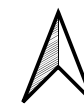
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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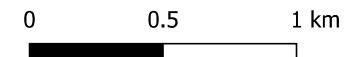
Figure: 7	Description: Maps showing PFAS concentrations in groundwater
--------------	-----------------------------------------------------------------

Phase: 1A off-site	
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Scale: 1:20000	Page Size: A3	Filename:	Date: 8-2-2022
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1:20000



Legend



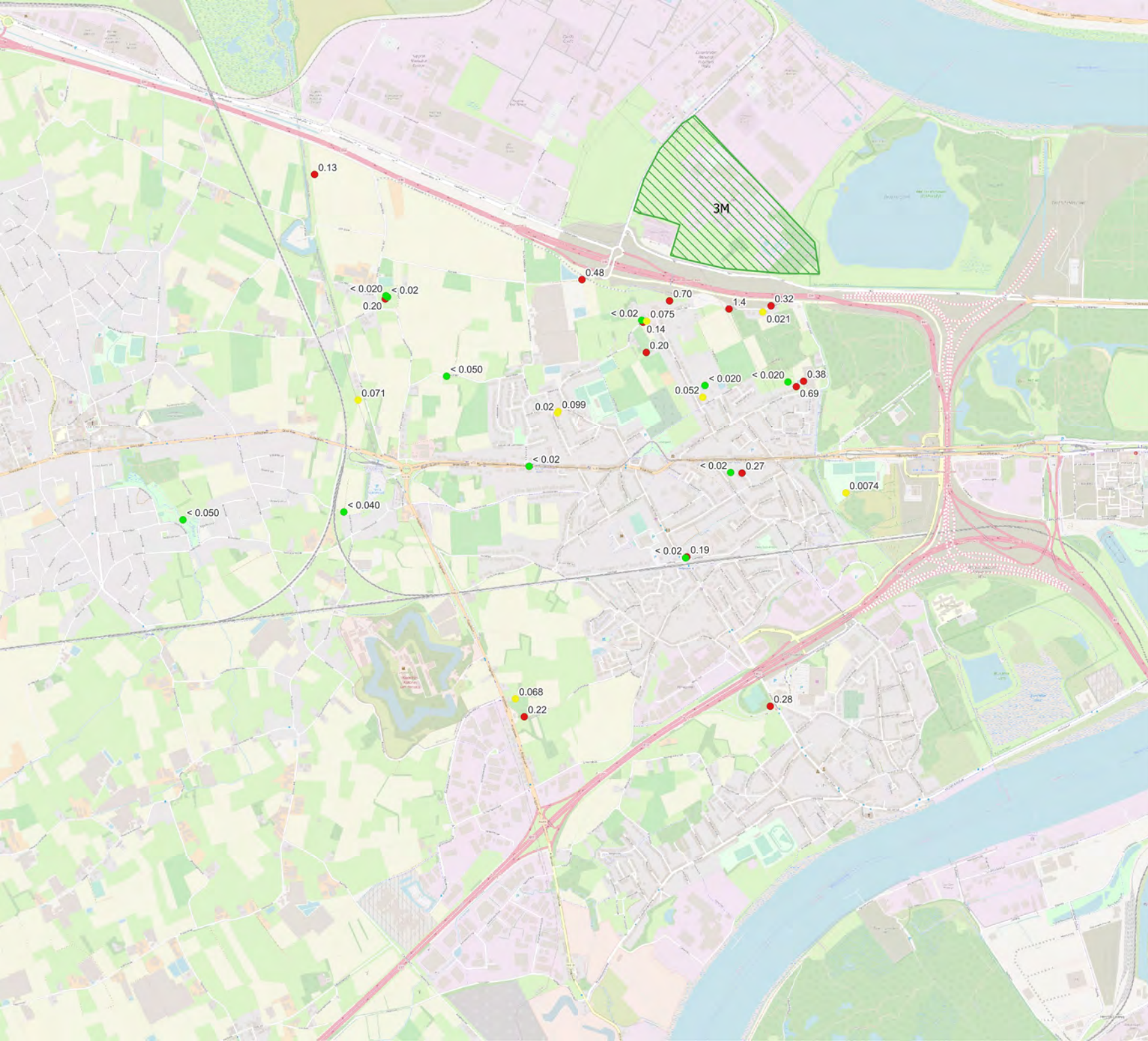
Maps DSI GroundWater

Sum PFOS GW

- PFOS < Detection Limit
- PFOS ≤ 0.12 µg/L
- PFOS > 0.12 µg/L


OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
 0.02 µg/L
 0.04 µg/L
 0.05 µg/L



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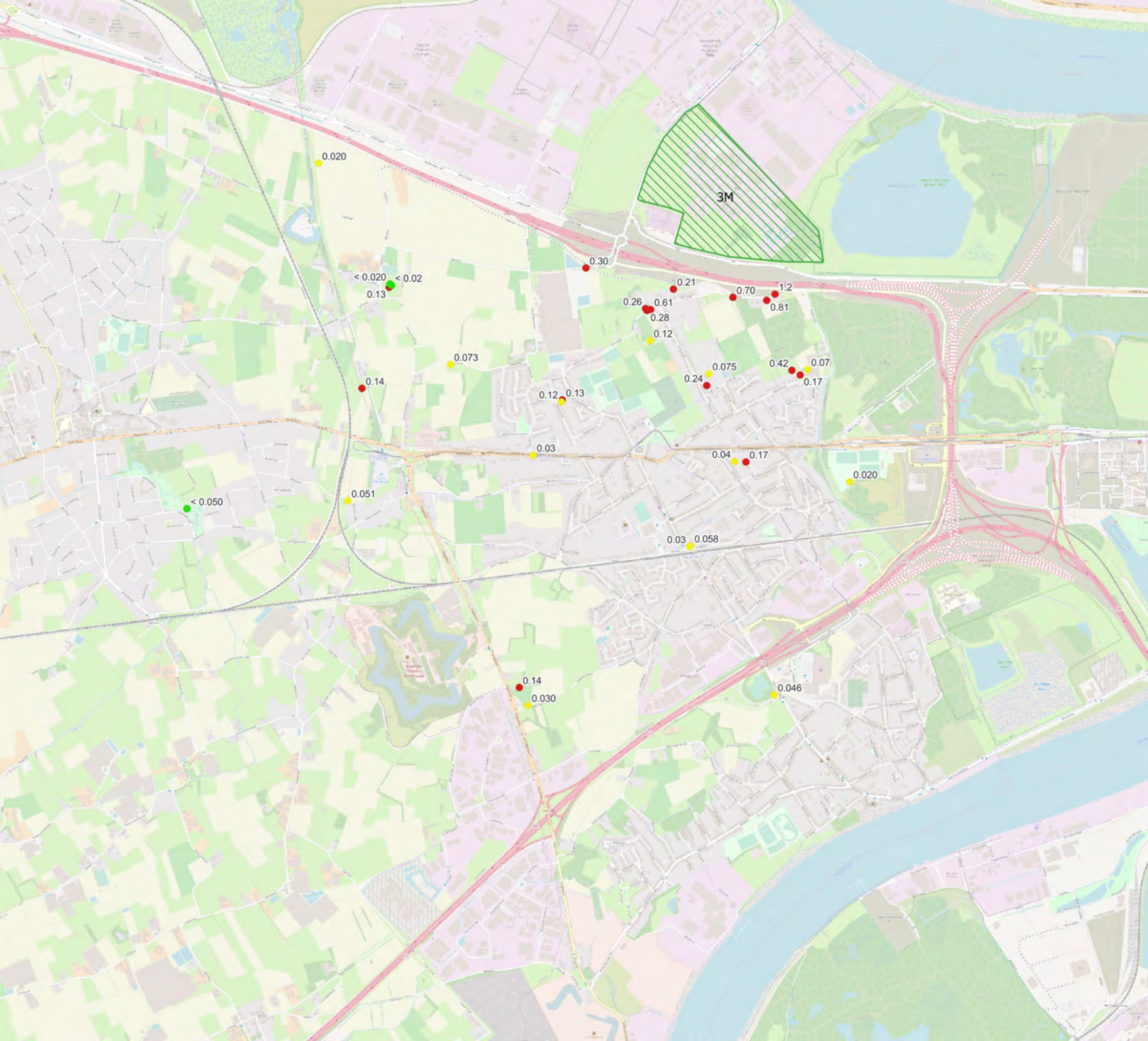
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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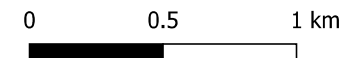
Figure: 7	Description: Maps showing PFAS concentrations in groundwater
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Phase: 1A off-site	
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Scale: 1:20000	Page Size: A3	Filename:	Date: 8-2-2022
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1:20000



Legend



Maps DSI GroundWater

Sum PFOA GW

- PFOA < Detection Limit
- PFOA <= 0.12 µg/L
- PFOA > 0.12 µg/L

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
 0.02 µg/L
 0.05 µg/L

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Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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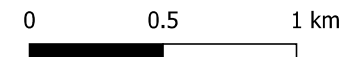
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 7	Description: Maps showing PFAS concentrations in groundwater
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Phase: 1A off-site	Scale: 1:20000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022
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1:20000



Legend



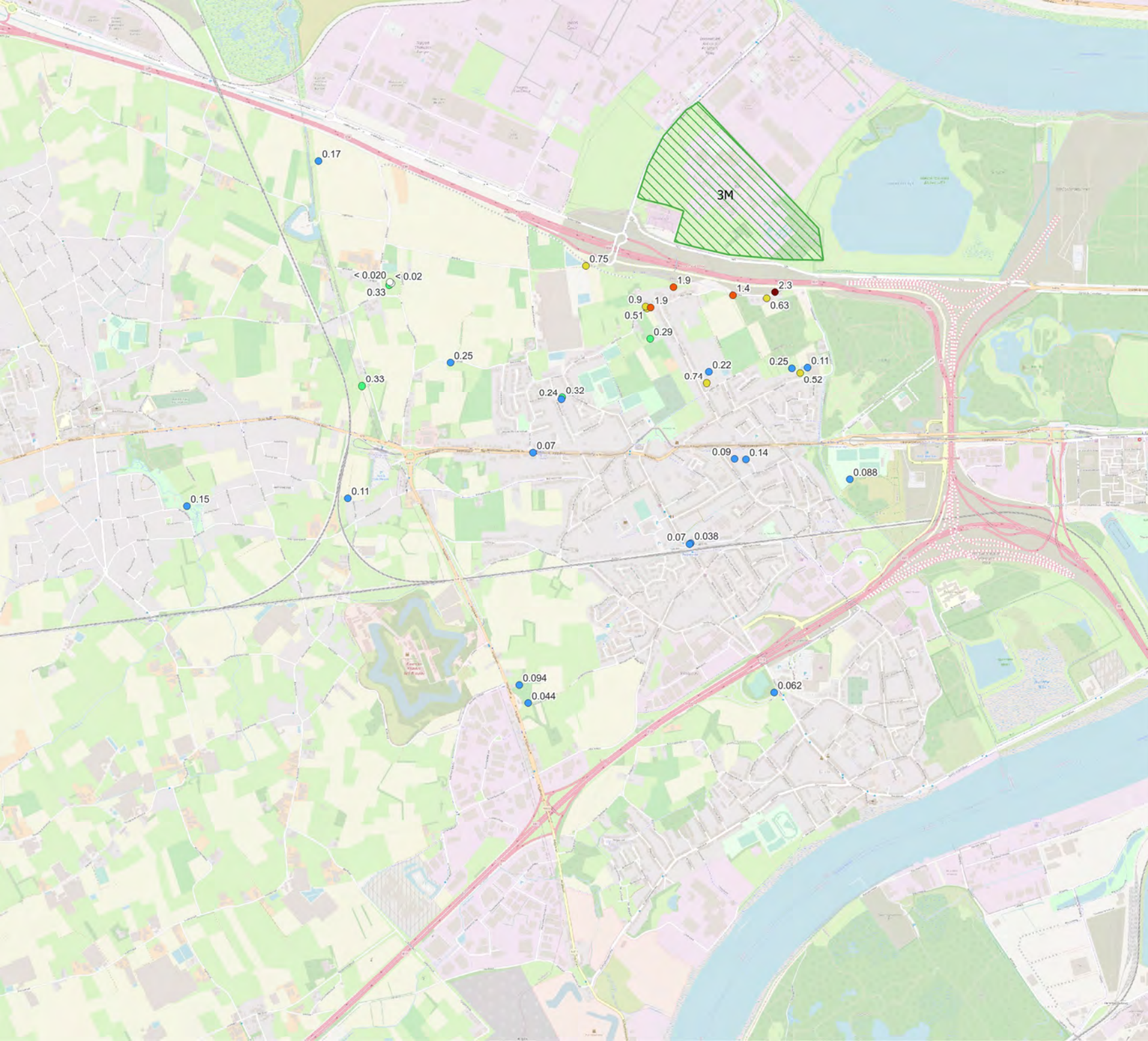
Maps DSI GroundWater

PFBS GW

- < DL
- 0 - 0.25 µg/L
- 0.25 - 0.5 µg/L
- 0.5 - 1 µg/L
- 1 - 2 µg/L
- > 2 µg/L


OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses: 0.02 µg/L



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Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 7	Description: Maps showing PFAS concentrations in groundwater
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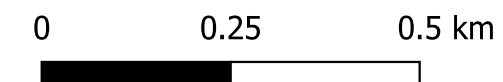
Phase: 1A off-site	
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Scale: 1:20000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022
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**FIGUUR 8 KAARTEN MET RESULTATEN IN VOEDINGSMIDDELEN
VOOR CONSUMPTIE**



1:10000



Legend

Site

Maps DSI Eggs

Sum PFOS Eggs

> DL ($\mu\text{g}/\text{kg}$)

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses. Here: $0.5 \mu\text{g}/\text{kg}$

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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 8	Description: Maps showing PFAS concentrations in eggs
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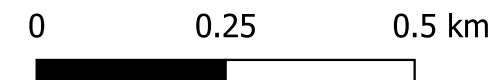
Phase:
1A off-site

Scale: 1:10000	Page Size: A3	Filename:	Date: 7-2-2022
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1:10000



Legend

Site

Maps DSI Eggs

Sum PFOA Eggs

- < DL ($\mu\text{g}/\text{kg}$)
- > DL ($\mu\text{g}/\text{kg}$)

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses. Here: 0.5 $\mu\text{g}/\text{kg}$

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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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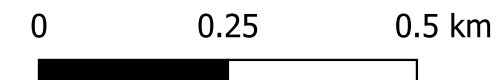
Figure: 8	Description: Maps showing PFAS concentrations in eggs
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename:	Date: 7-2-2022
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1:10000



Legend

Site

Maps DSI Eggs

PFHxS Eggs

- < DL ($\mu\text{g}/\text{kg}$)
- > DL ($\mu\text{g}/\text{kg}$)

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses. Here: 0.5 $\mu\text{g}/\text{kg}$

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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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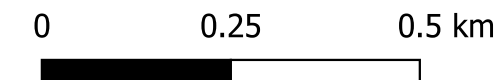
Figure: 8	Description: Maps showing PFAS concentrations in eggs
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename:	Date: 7-2-2022
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1:10000



Legend

Site

Maps DSI Eggs

PFBA Eggs

- < DL ($\mu\text{g}/\text{kg}$)
- > DL ($\mu\text{g}/\text{kg}$)

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses. Here:
0.5 $\mu\text{g}/\text{kg}$

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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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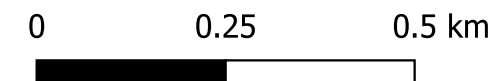
Figure: 8	Description: Maps showing PFAS concentrations in eggs
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename:	Date: 7-2-2022
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1:10000



Legend

Site

Maps DSI Fruit

PFBA Fruit

PFBA Fruit - Land use II, III, IV & V

< DL ($\mu\text{g}/\text{kg}$)

> DL ($\mu\text{g}/\text{kg}$)

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses. Here: 0.5 $\mu\text{g}/\text{kg}$

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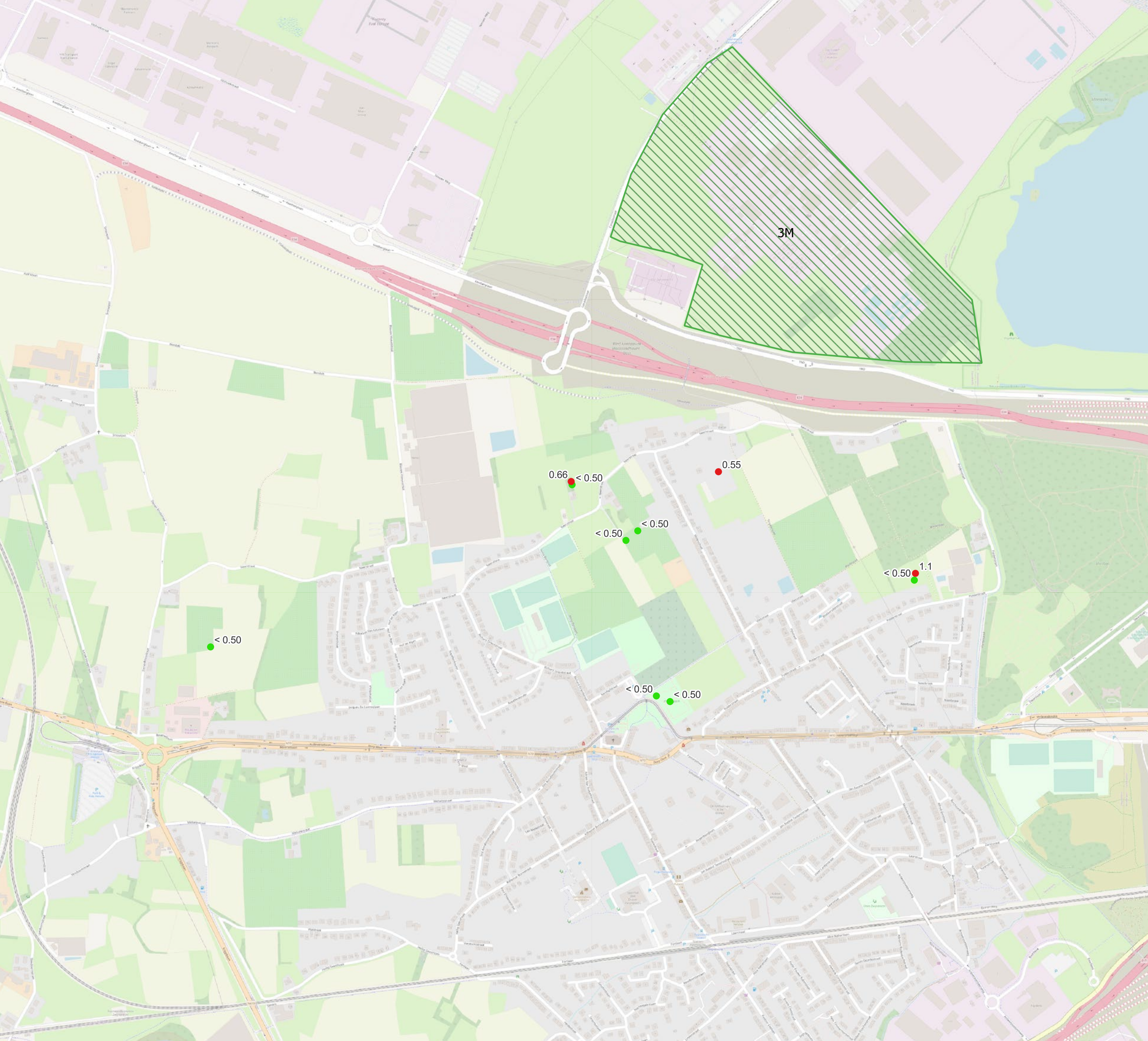
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
----------------------------	----------------------------------------------------------------------

Figure: 8	Description: Maps showing PFAS concentrations in fruit
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename:	Date: 7-2-2022
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1:10000



Legend

Site

Maps DSI Fruit

PFBA Fruit

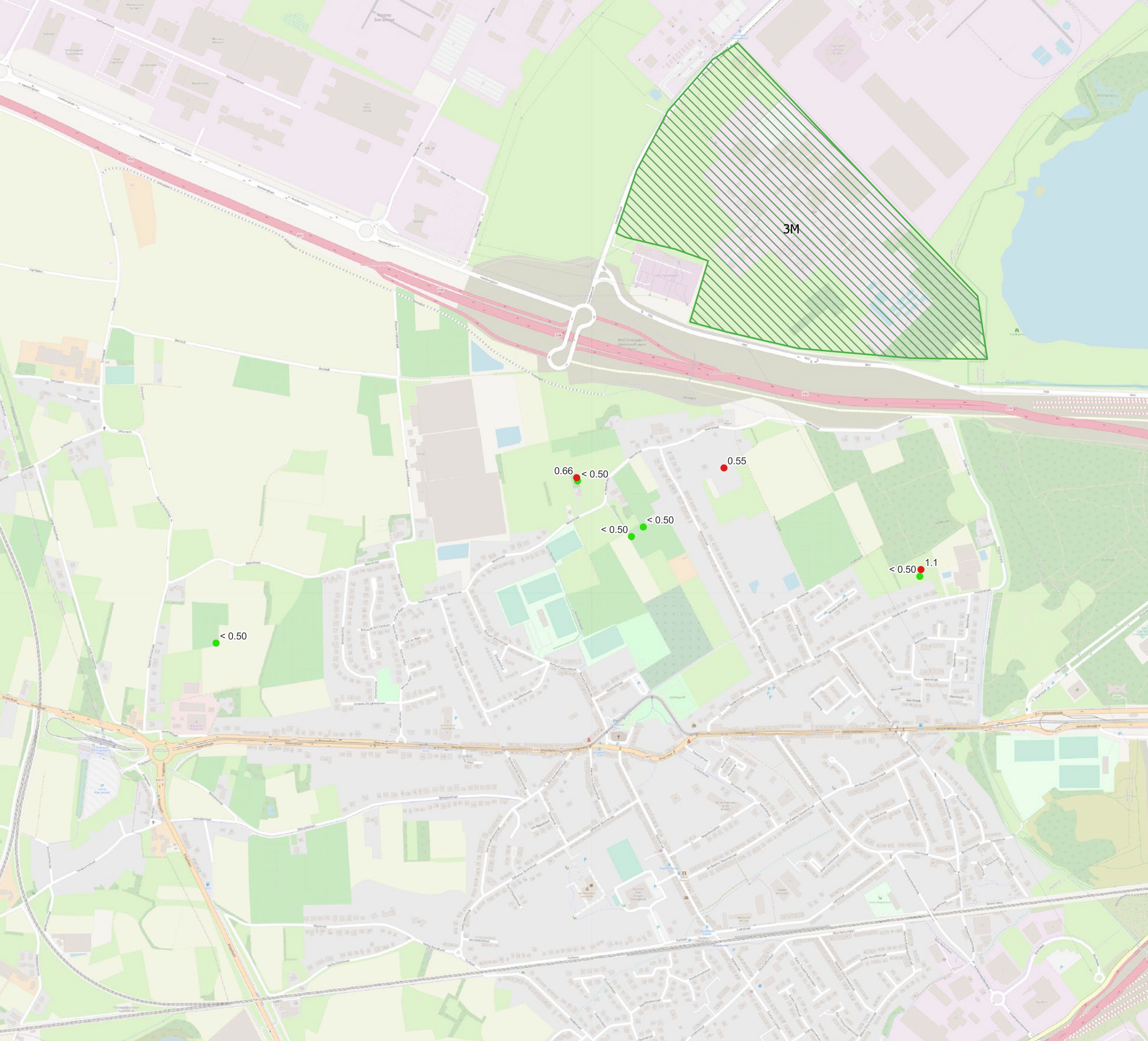
PFBA Fruit - Land use II

< DL ($\mu\text{g}/\text{kg}$)

> DL ($\mu\text{g}/\text{kg}$)


OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses. Here: 0.5 $\mu\text{g}/\text{kg}$



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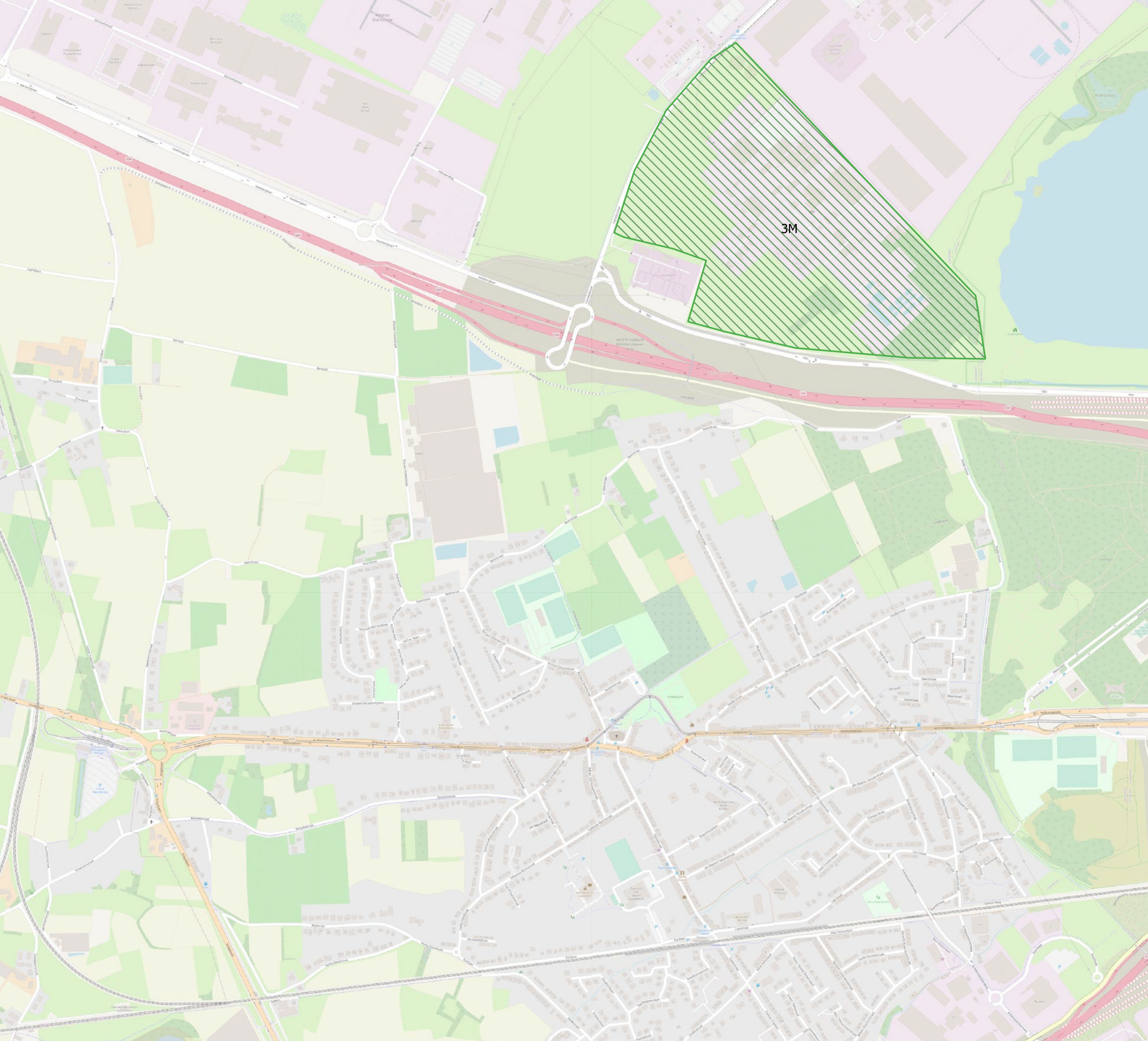
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 8	Description: Maps showing PFAS concentrations in fruit
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename:	Date: 7-2-2022
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1:10000




Legend

-  Site
- OpenStreetMap
- PFBA Fruit - Land use III (empty)

Detection Limit (DL) depends on the laboratory that performed the analyses. Here: 0.5 µg/kg

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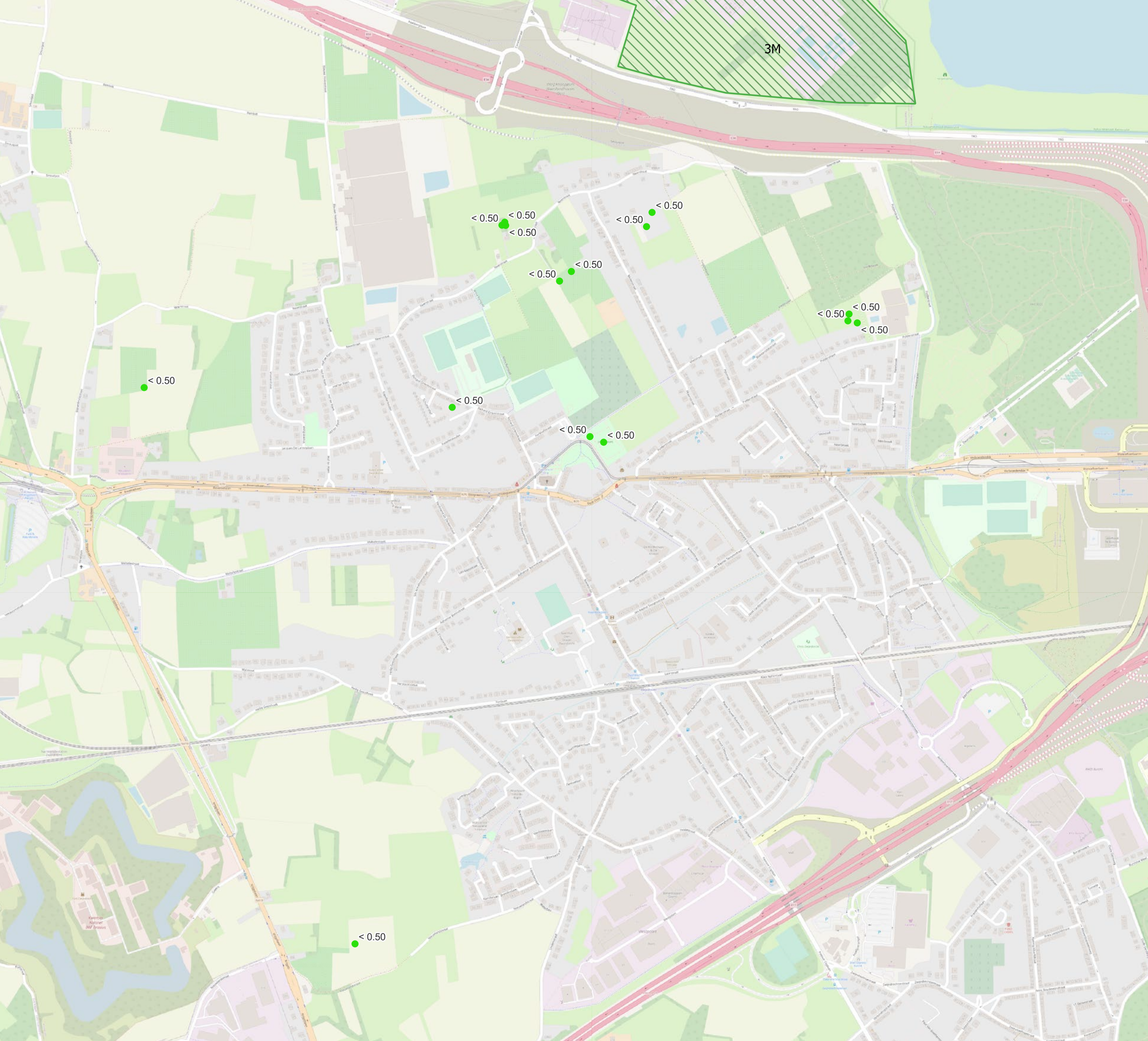
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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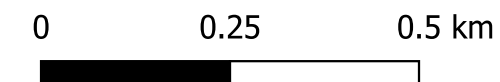
Figure: 8	Description: Maps showing PFAS concentrations in fruit
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename:	Date: 7-2-2022
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1:10000

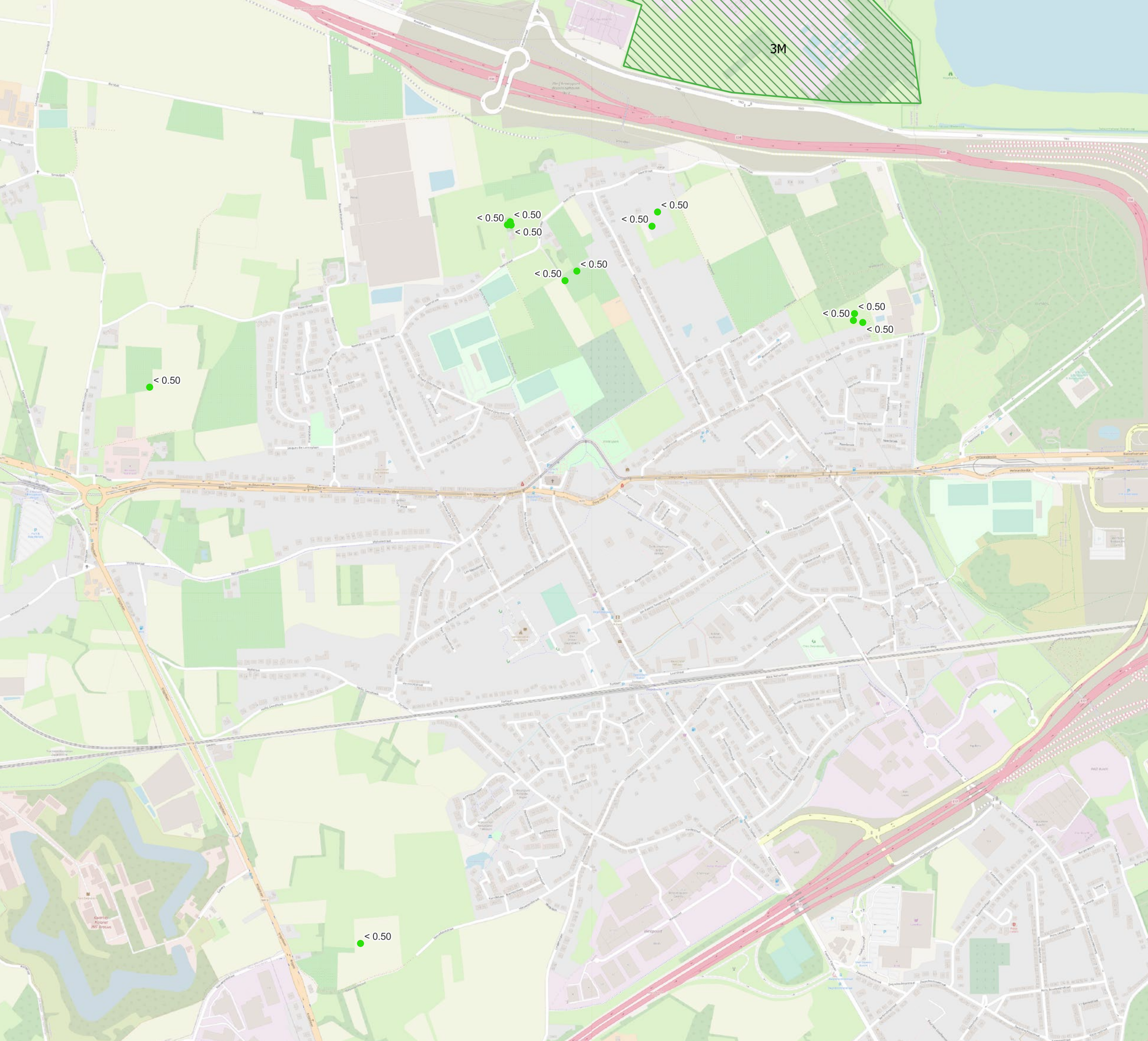


Legend

- Site
- Maps DSI Fruit
- Sum PFOA Fruit
- PFOA Fruit - Land use II, III, IV & V
- < DL (µg/kg)
- OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses. Here: 0.5 µg/kg

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Client / Project Name: 3M			Location: Zwijndrecht, Belgium	
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).			
Figure: 8	Description: Maps showing PFAS concentrations in fruit			
Phase: 1A off-site				
Scale: 1:10000	Page Size: A3	Filename:	Date: 7-2-2022	



1:10000



Legend

Site

Maps DSI Fruit

Sum PFOA Fruit

PFOA Fruit - Land use II

< DL (µg/kg)

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses. Here: 0.5 µg/kg

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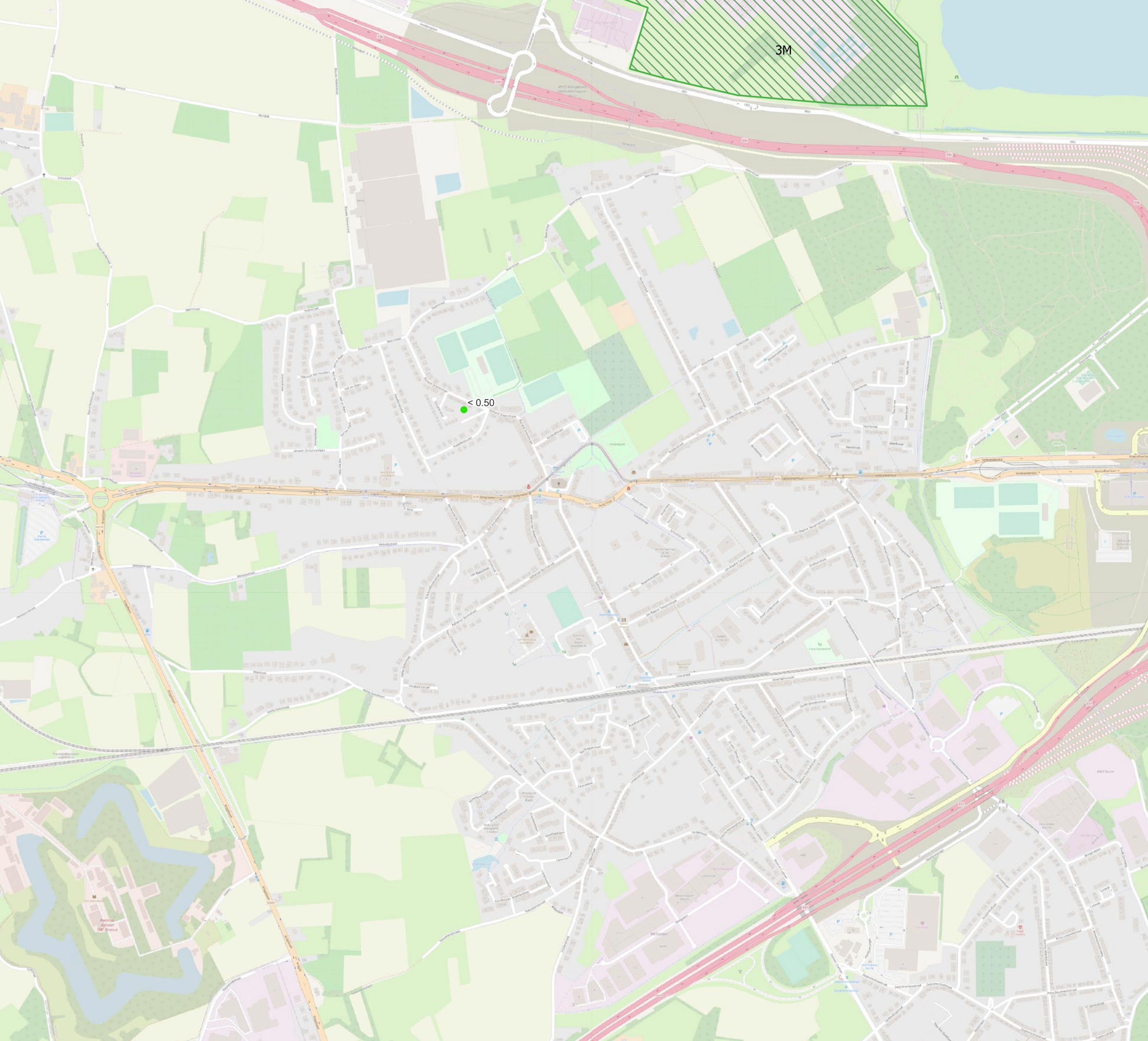
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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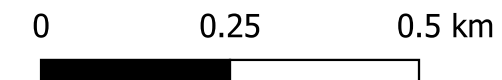
Figure: 8	Description: Maps showing PFAS concentrations in fruit
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename:	Date: 7-2-2022
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1:10000



Legend

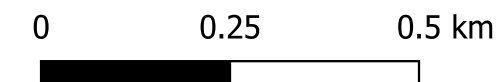
- Site
- Maps DSI Fruit
- Sum PFOA Fruit
- PFOA Fruit - Land use III
- < DL (µg/kg)
- OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses. Here: 0.5 µg/kg



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Client / Project Name: 3M		Location: Zwijndrecht, Belgium		
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).			
Figure: 8	Description: Maps showing PFAS concentrations in fruit			
Phase: 1A off-site				
Scale: 1:10000	Page Size: A3	Filename:	Date: 7-2-2022	



1:10000




Legend

-  Site
- Maps DSI Fruit
- Sum PFOS Fruit
- PFOS Fruit - Land use II, III, IV & V
-  < DL (µg/kg)
- OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses. Here: 0.5 µg/kg

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Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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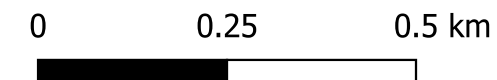
Figure: 8	Description: Maps showing PFAS concentrations in fruit
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename:	Date: 7-2-2022
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1:10000



Legend

Site

Maps DSI Fruit

Sum PFOS Fruit

PFOS Fruit - Land use II


< DL (µg/kg)

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses. Here: 0.5 µg/kg

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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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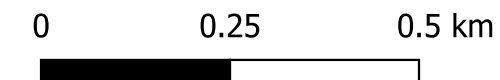
Figure: 8	Description: Maps showing PFAS concentrations in fruit
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename:	Date: 7-2-2022
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1:10000



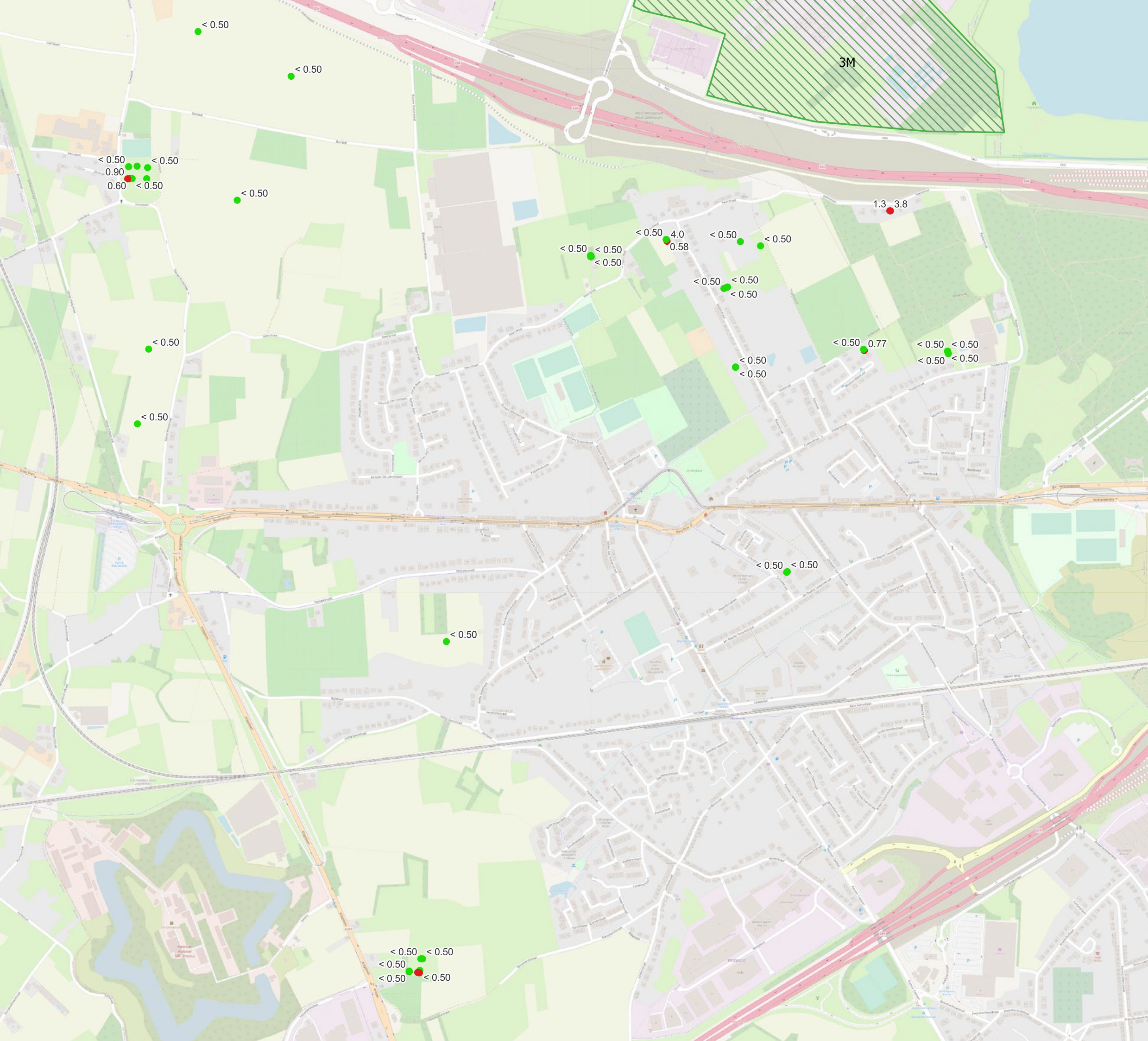
Legend

- Site
- Maps DSI Fruit
- Sum PFOS Fruit
- PFOS Fruit - Land use III
- < DL (µg/kg)
- OpenStreetMap

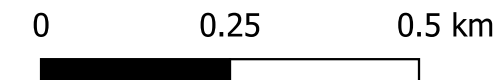
Detection Limit (DL) depends on the laboratory that performed the analyses. Here: 0.5 µg/kg

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Environmental Resources Management N.V. Cantersteen 47 1000 Brussel Tel.: +32 2 550 02 80 Fax.: +32 2 287 36 79				
Client / Project Name: 3M			Location: Zwijndrecht, Belgium	
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).			
Figure: 8	Description: Maps showing PFAS concentrations in fruit			
Phase: 1A off-site				
Scale: 1:10000	Page Size: A3	Filename:	Date: 7-2-2022	





1:10000



Legend

Site

Maps DSI Veg

PFBA Veg

PFBA Veg - Land use II, III, IV & V

< DL (µg/kg)

> DL (µg/kg)

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses. Here: 0.5 µg/kg

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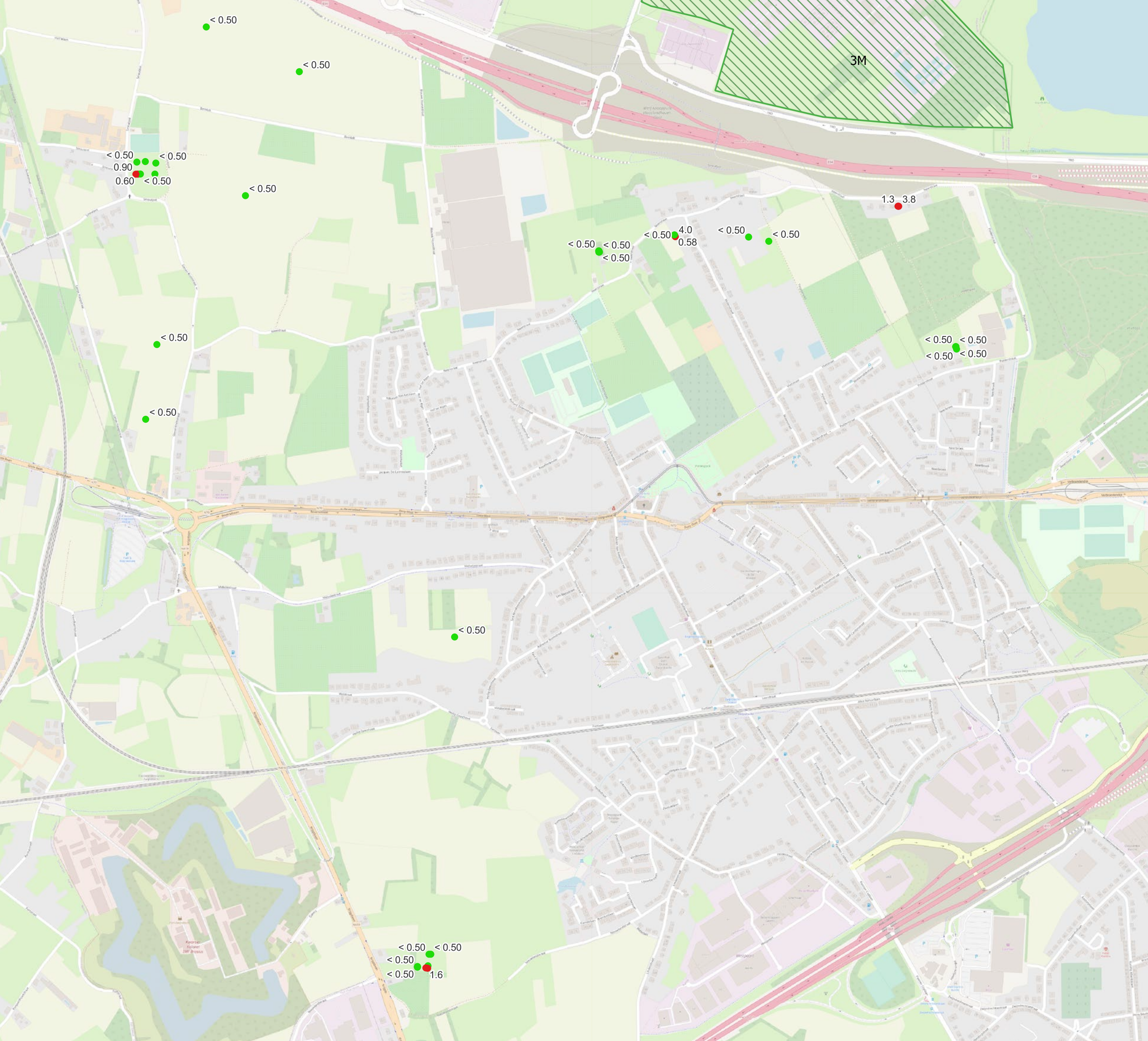
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 8	Description: Maps showing PFAS concentrations in vegetables/crops
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename:	Date: 7-2-2022
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1:10000



Legend

Site

Maps DSI Veg

PFBA Veg

PFBA Veg - Land use II

< DL ($\mu\text{g}/\text{kg}$)

> DL ($\mu\text{g}/\text{kg}$)

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses. Here: 0.5 $\mu\text{g}/\text{kg}$

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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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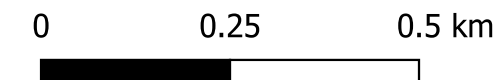
Figure: 8	Description: Maps showing PFAS concentrations in vegetables/crops
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 7-2-2022
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1:10000



Legend

Site

Maps DSI Veg

PFBA Veg

PFBA Veg - Land use III

< DL (µg/kg)

> DL (µg/kg)

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses. Here: 0.5 µg/kg

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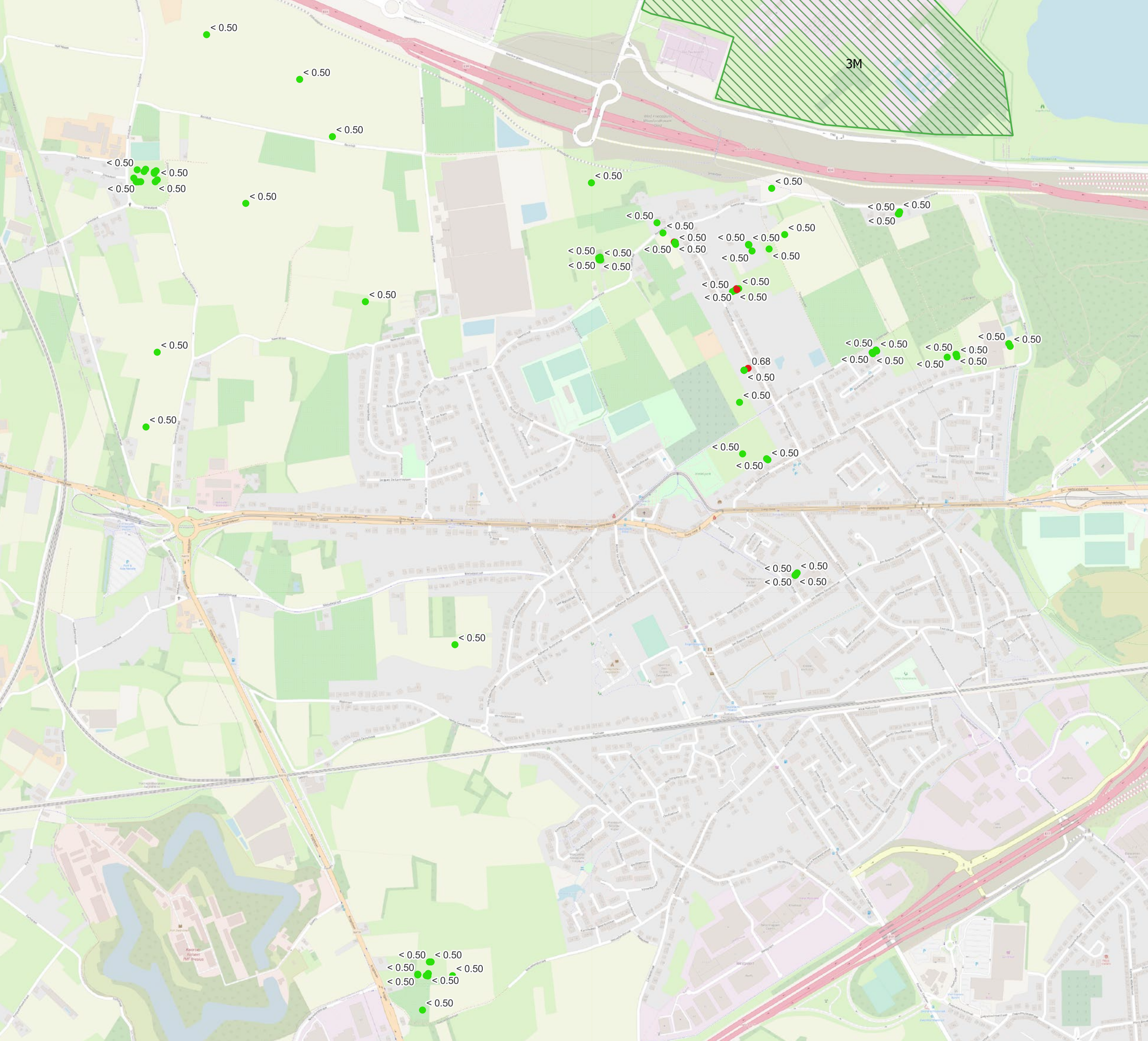
Client / Project Name: 3M	Location: Zwijnrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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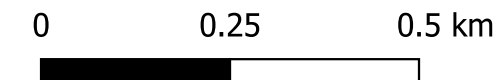
Figure: 8	Description: Maps showing PFAS concentrations in vegetables/crops
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 7-2-2022
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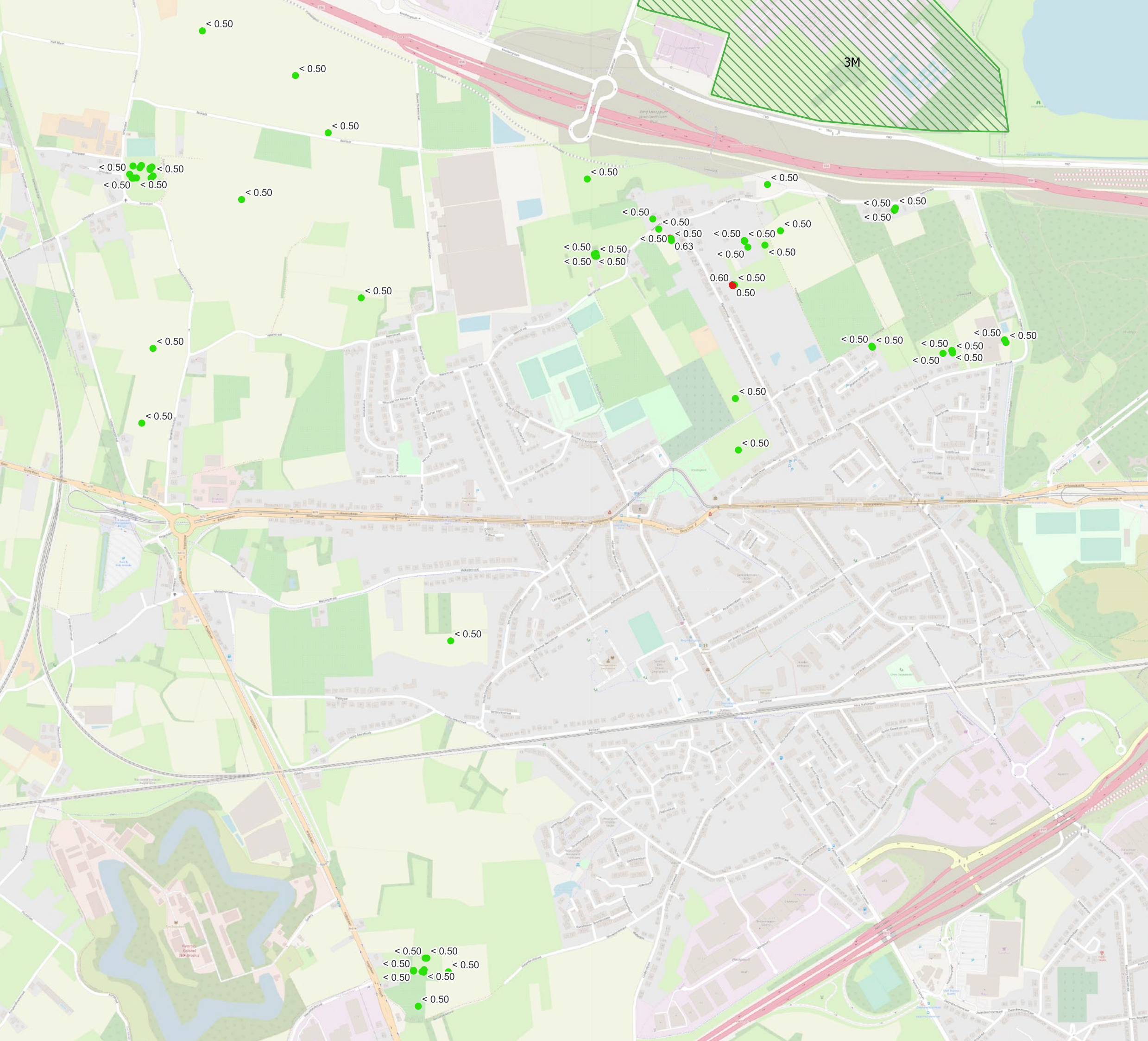


Legend

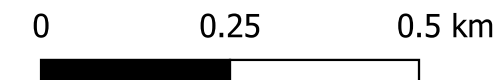
- Site
- Maps DSI Veg
- Sum PFOA Veg
- PFOA Veg - Land use II, III, IV & V**
- < DL (µg/kg)
- > DL (µg/kg)
- OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses. Here: 0.5 µg/kg

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Client / Project Name: 3M			Location: Zwijndrecht, Belgium	
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).			
Figure: 8	Description: Maps showing PFAS concentrations in vegetables/crops			
Phase: 1A off-site				
Scale: 1:10000	Page Size: A3	Filename:	Date: 7-2-2022	



1:10000



Legend

Site

Maps DSI Veg

Sum PFOA Veg

PFOA Veg - Land use II

< DL (µg/kg)

> DL (µg/kg)

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses. Here: 0.5 µg/kg

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Fax.: +32 2 287 36 79



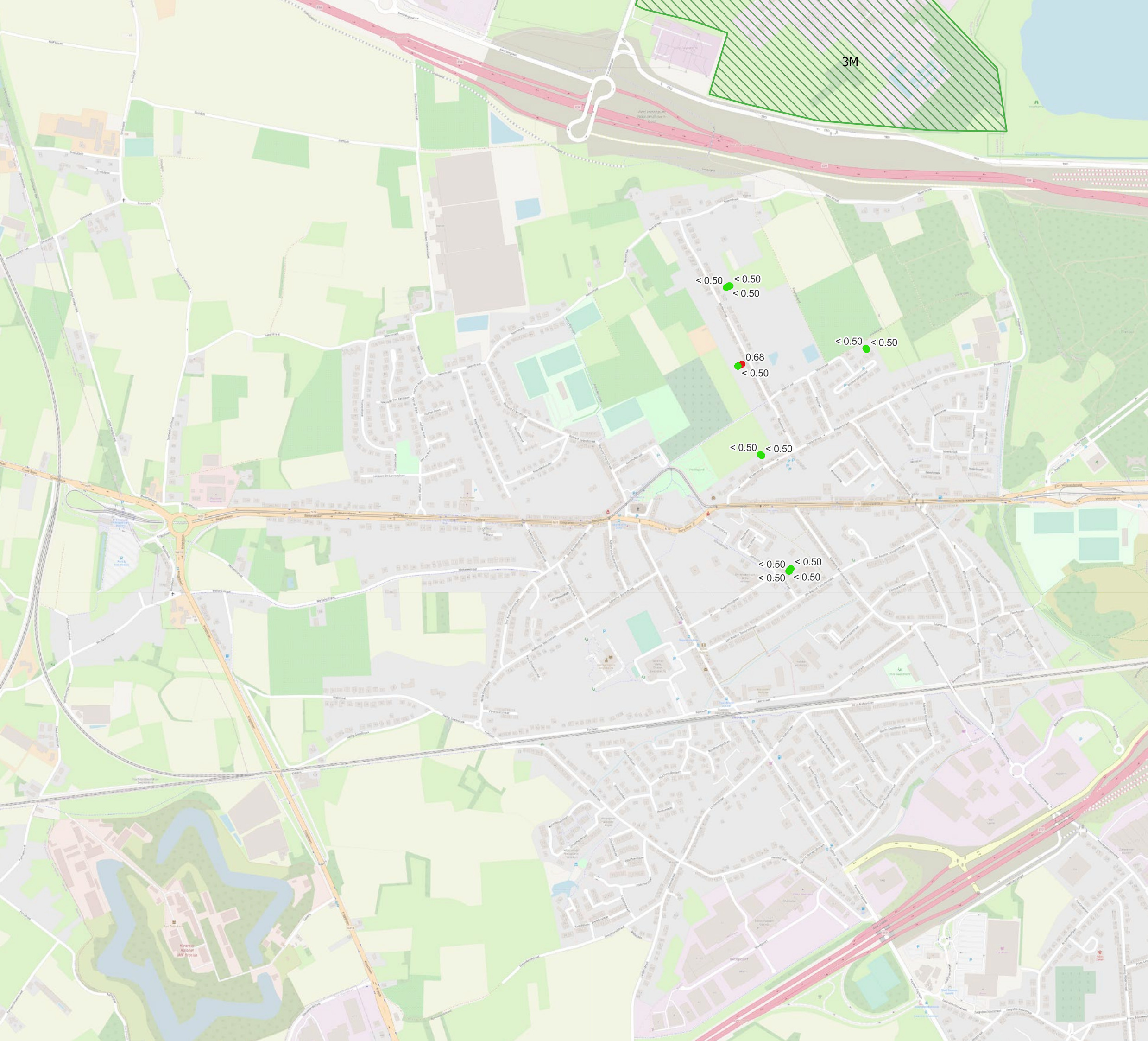
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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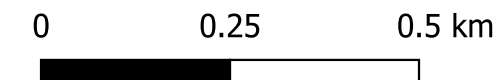
Figure: 8	Description: Maps showing PFAS concentrations in vegetables/crops
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename:	Date: 7-2-2022
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1:10000



Legend

Site

Maps DSI Veg

Sum PFOA Veg

PFOA Veg - Land use III

< DL (µg/kg)

> DL (µg/kg)

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses. Here: 0.5 µg/kg

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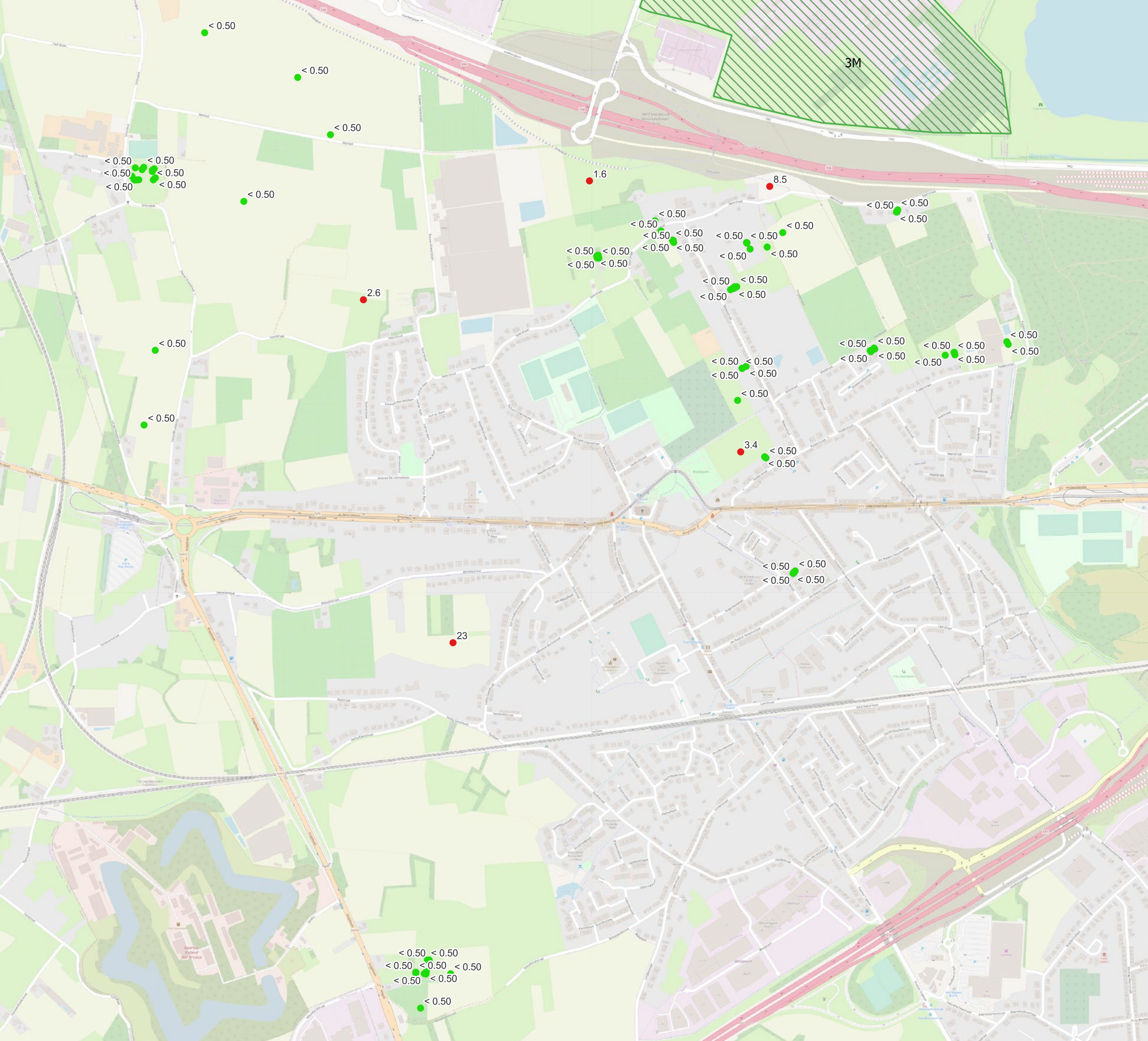
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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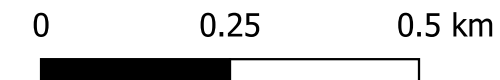
Figure: 8	Description: Maps showing PFAS concentrations in vegetables/crops
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename:	Date: 7-2-2022
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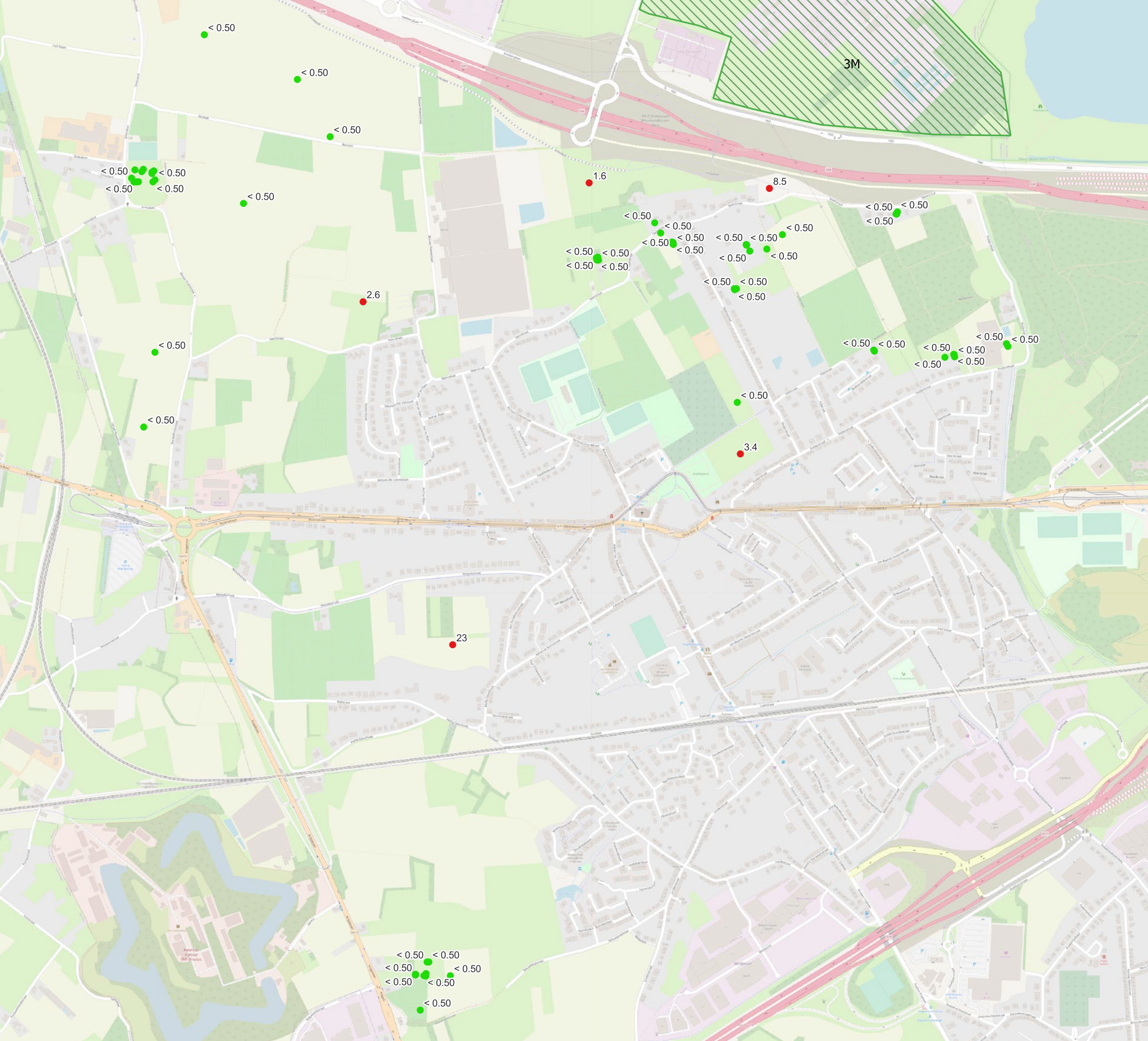


Legend

- Site
- Maps DSI Veg
- Sum PFOS Veg
- PFOS Veg - Land use II, III, IV & V
- < DL (µg/kg)
- > DL (µg/kg)
- OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses. Here: 0.5 µg/kg

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Client / Project Name: 3M			Location: Zwijndrecht, Belgium	
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).			
Figure: 8	Description: Maps showing PFAS concentrations in vegetables/crops			
Phase: 1A off-site				
Scale: 1:10000	Page Size: A3	Filename:	Date: 7-2-2022	



1:10000



Legend

Site

Maps DSI Veg

Sum PFOS Veg

PFOS Veg - Land use II

< DL (µg/kg)

> DL (µg/kg)

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses. Here: 0.5 µg/kg

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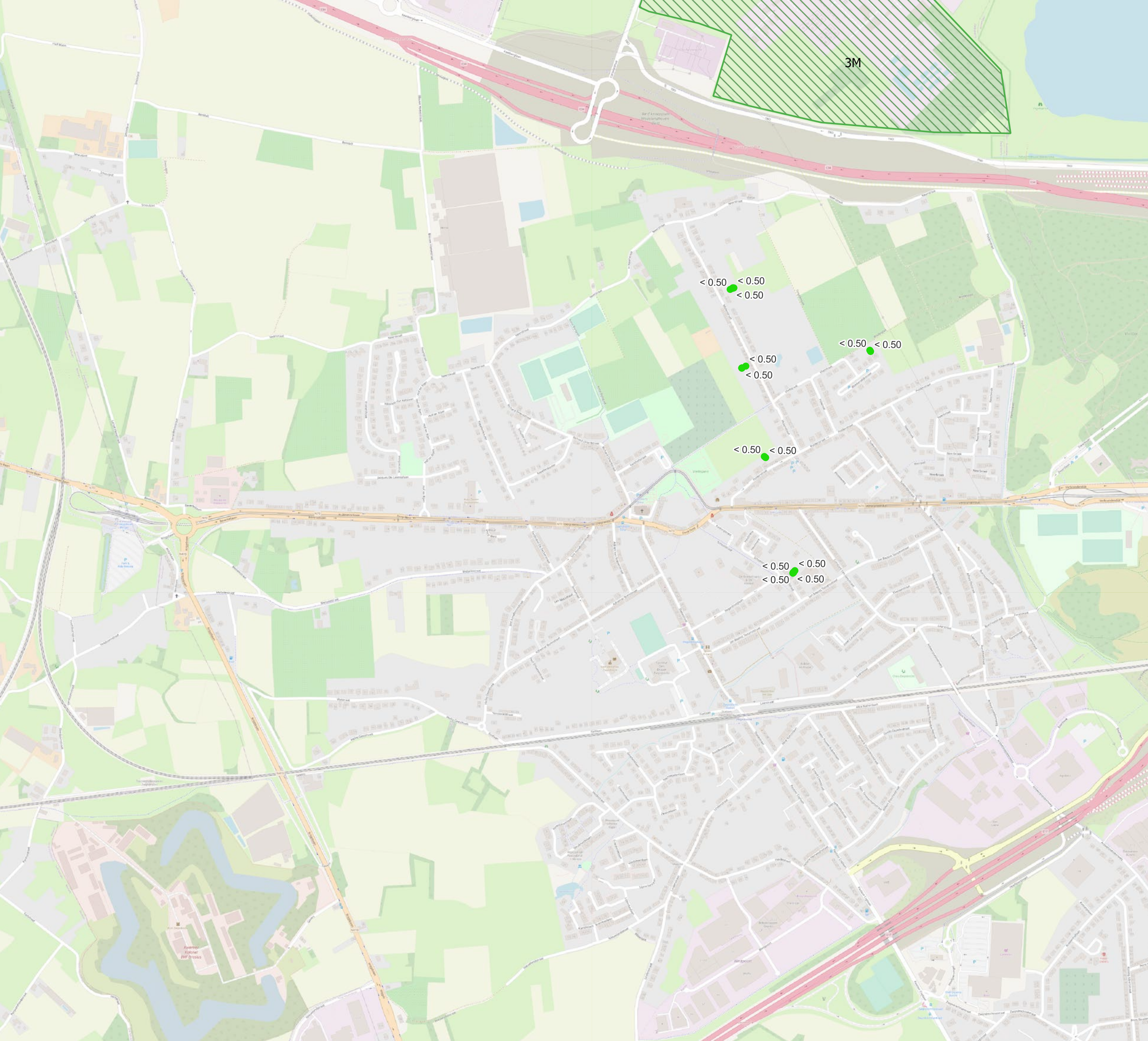
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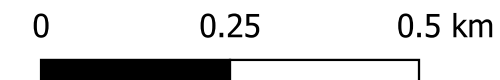
Figure: 8	Description: Maps showing PFAS concentrations in vegetables/crops
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename:	Date: 7-2-2022
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1:10000



Legend

Site

Maps DSI Veg

Sum PFOS Veg

PFOS Veg - Land use III

< DL (µg/kg)

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses. Here: 0.5 µg/kg

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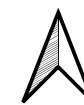
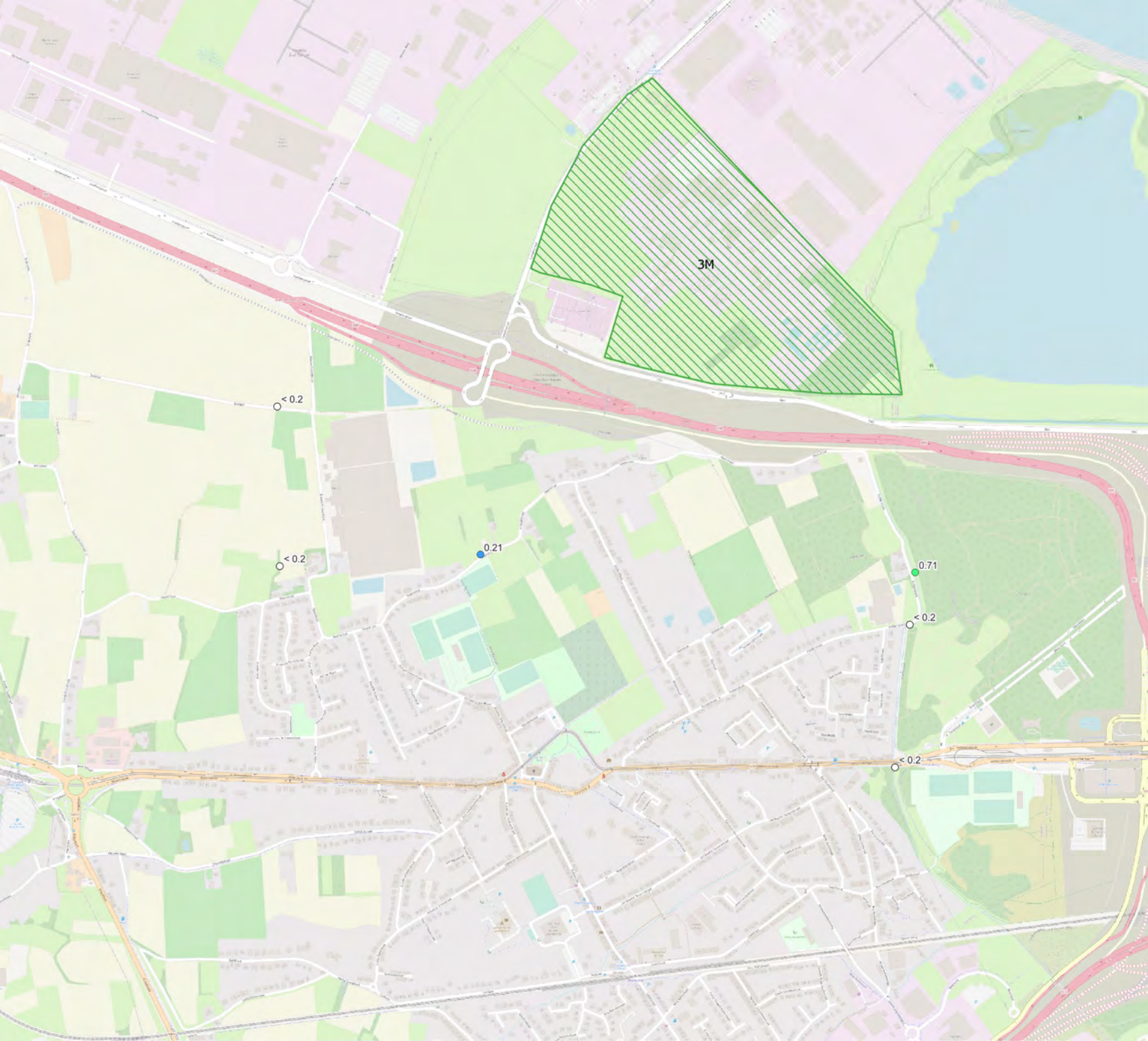
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 8	Description: Maps showing PFAS concentrations in vegetables/crops
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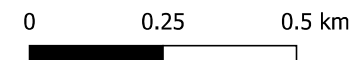
Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename:	Date: 7-2-2022
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FIGUUR 9 KAARTEN MET RESULTATEN IN SEDIMENT



1:10000



Legend



Maps DSI Sediment

FOSA sediment

- < DL
- 0 - 0.5 µg/kg ds
- 0.5 - 1 µg/kg ds

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
 0.2 µg/kg ds
 1.0 µg/kg ds

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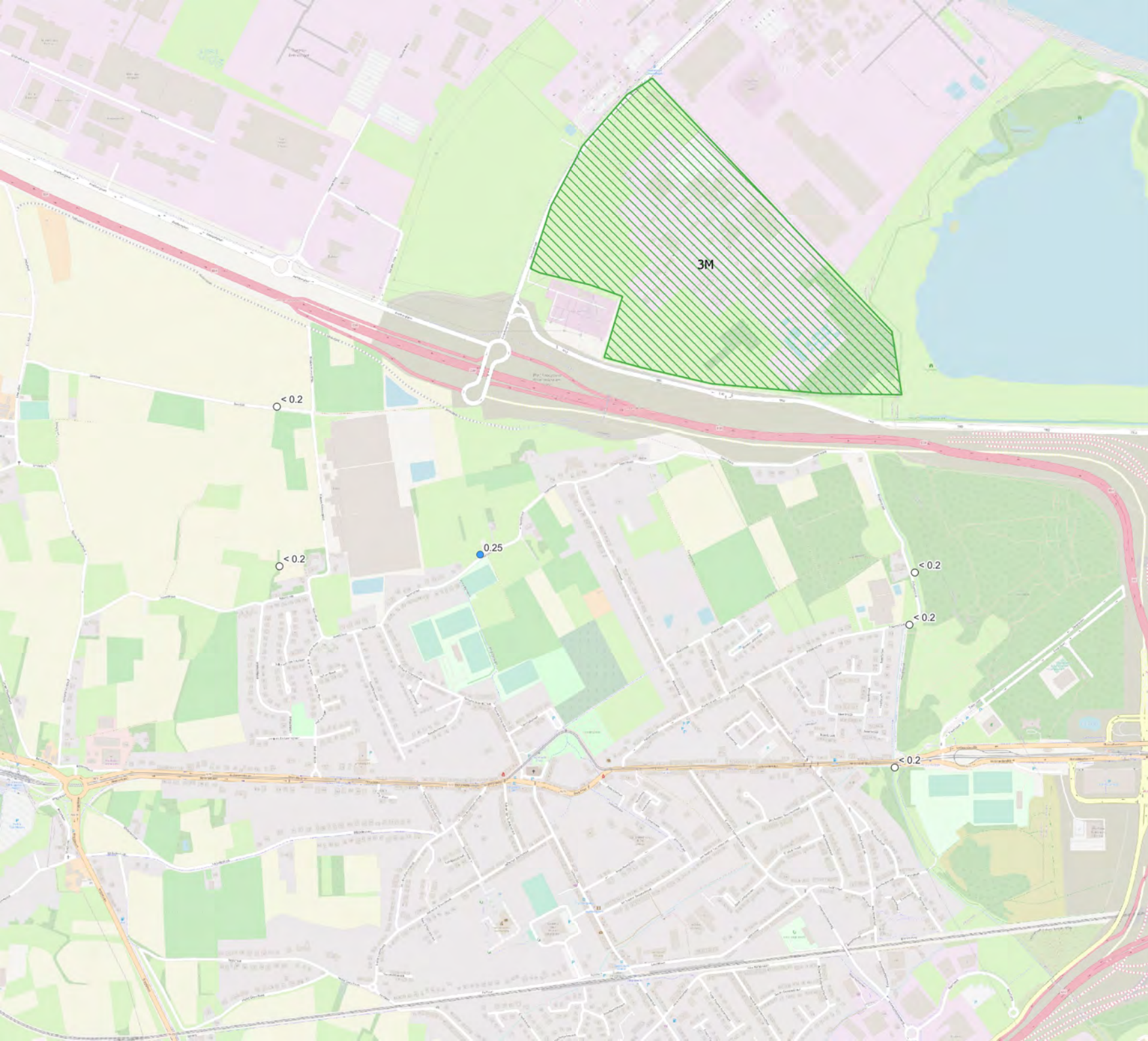


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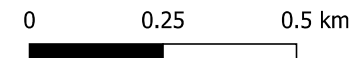
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 9	Description: Maps showing PFAS concentrations in sediment
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Phase: 1A off-site	Scale: 1:10000	Page Size: A3	Filename:	Date: 8-2-2022
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1:10000

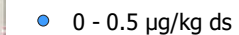


Legend



Maps DSI Sediment

PFBSA sediment



OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.2 µg/kg ds

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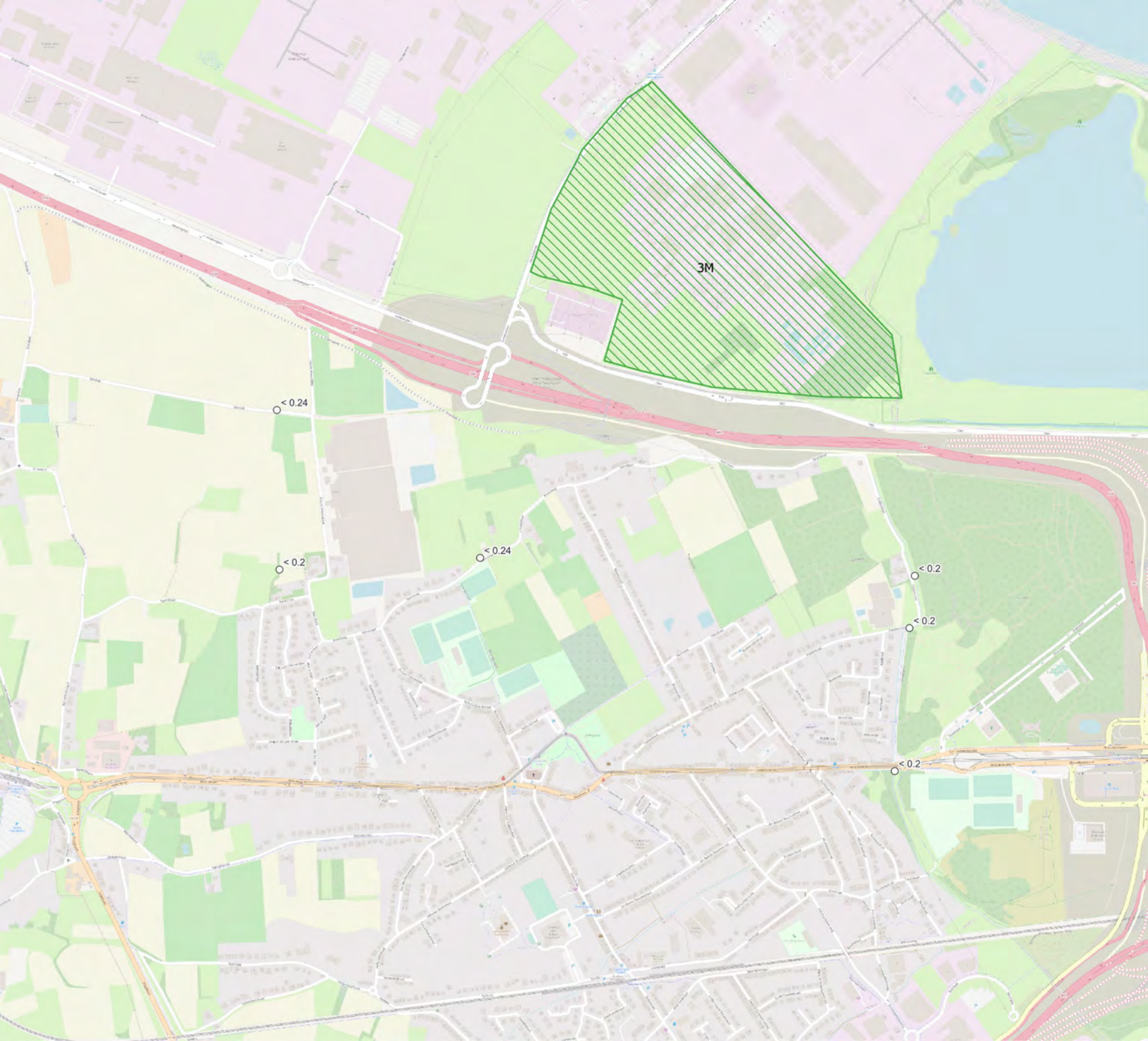
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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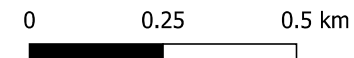
Figure: 9	Description: Maps showing PFAS concentrations in sediment
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022
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1:10000



Legend

Site

Maps DSI Sediment

PFNA sediment


<math>< DL</math>

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
 0.2 $\mu\text{g}/\text{kg ds}$
 0.24 $\mu\text{g}/\text{kg d}$

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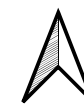
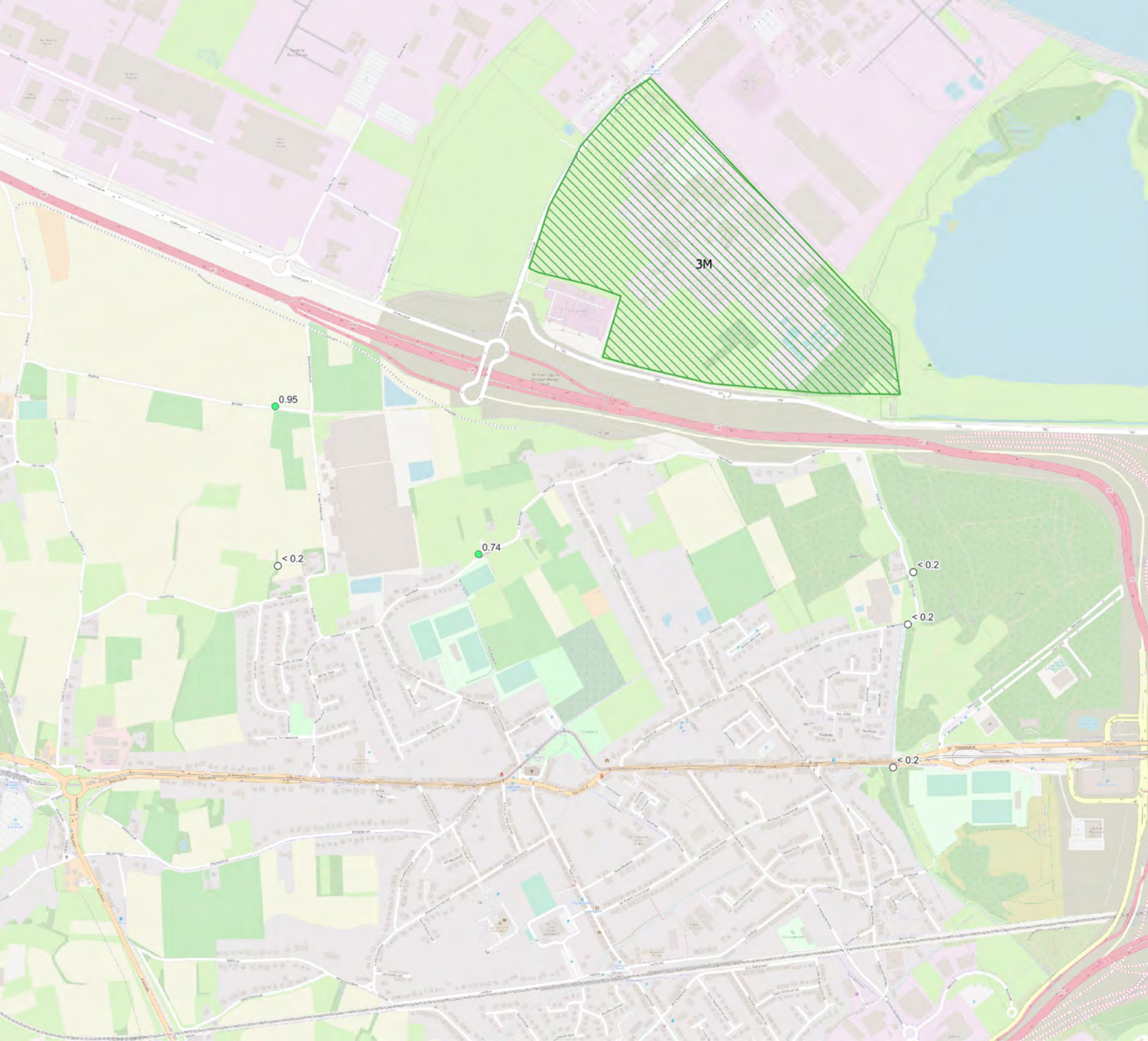


Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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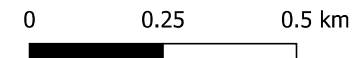
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 9	Description: Maps showing PFAS concentrations in sediment
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Phase: 1A off-site	Scale: 1:10000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022
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1:10000

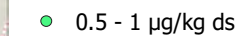
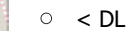


Legend



Maps DSI Sediment

PFBS sediment




OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses: 0.2 µg/kg ds

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Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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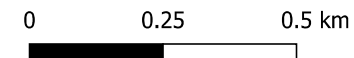
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 9	Description: Maps showing PFAS concentrations in sediment
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Phase: 1A off-site	Scale: 1:10000	Page Size: A3	Filename:	Date: 8-2-2022
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1:10000



Legend



Site

Maps DSI Sediment

PFHxS sediment

○ < DL

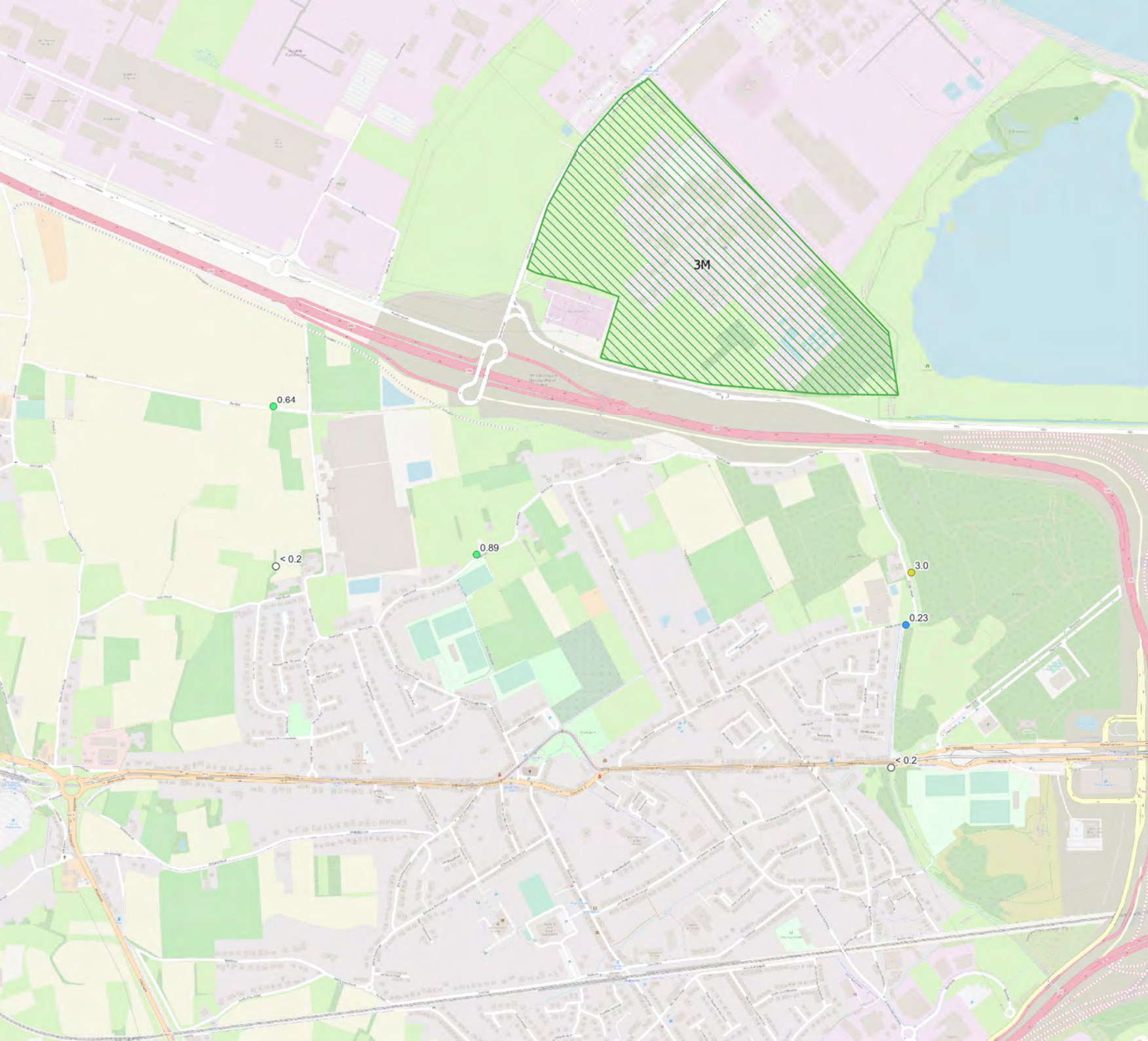
● 0 - 0.5 µg/kg ds

● 0.5 - 1 µg/kg ds

● 1 - 5 µg/kg ds

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.2 µg/kg ds



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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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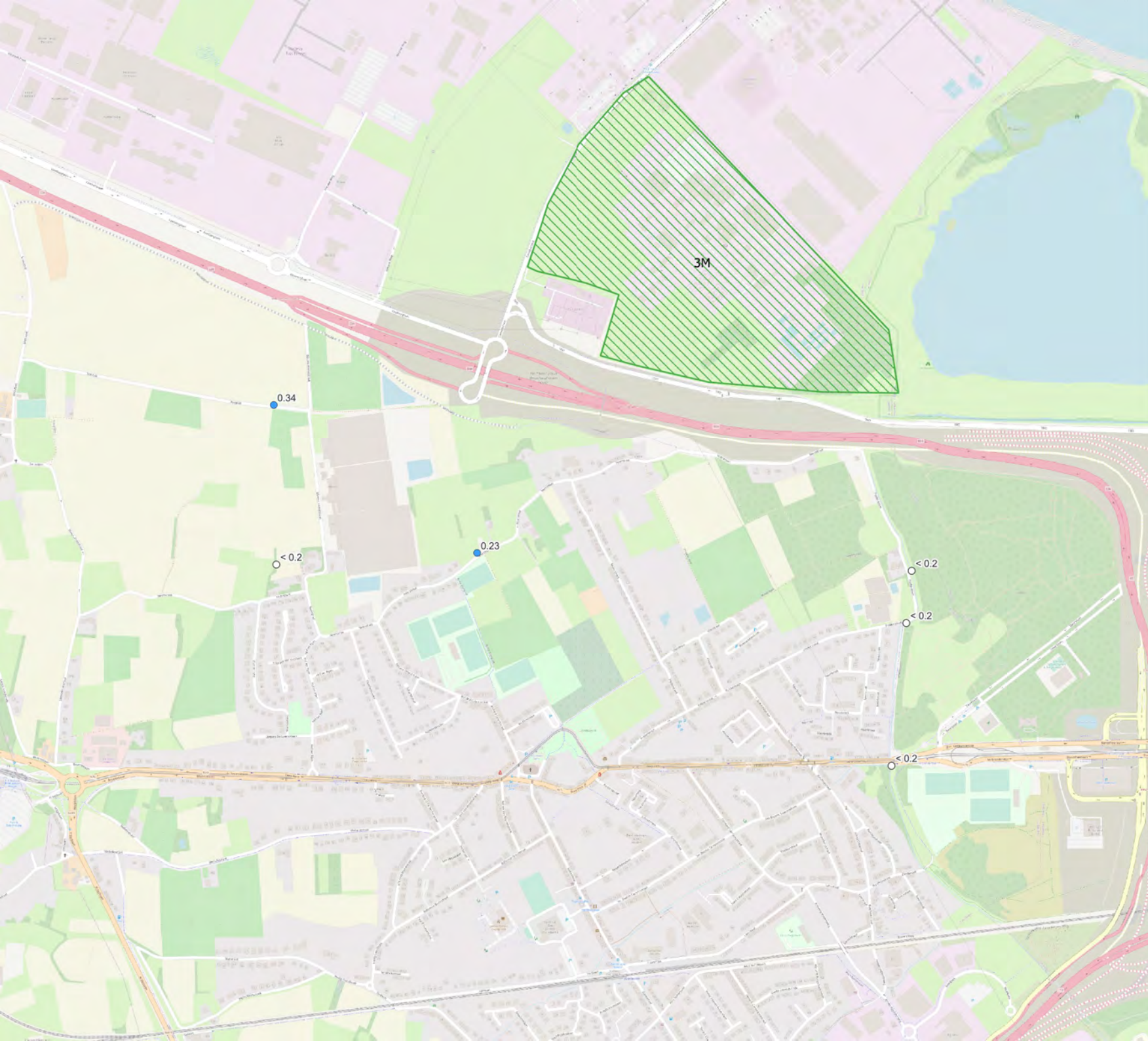
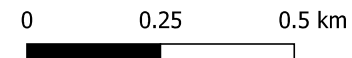
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename:	Date: 8-2-2022
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1:10000

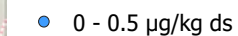
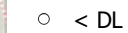


Legend



Maps DSI Sediment

PFHxA sediment



OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses: 0.2 µg/kg ds

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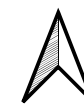
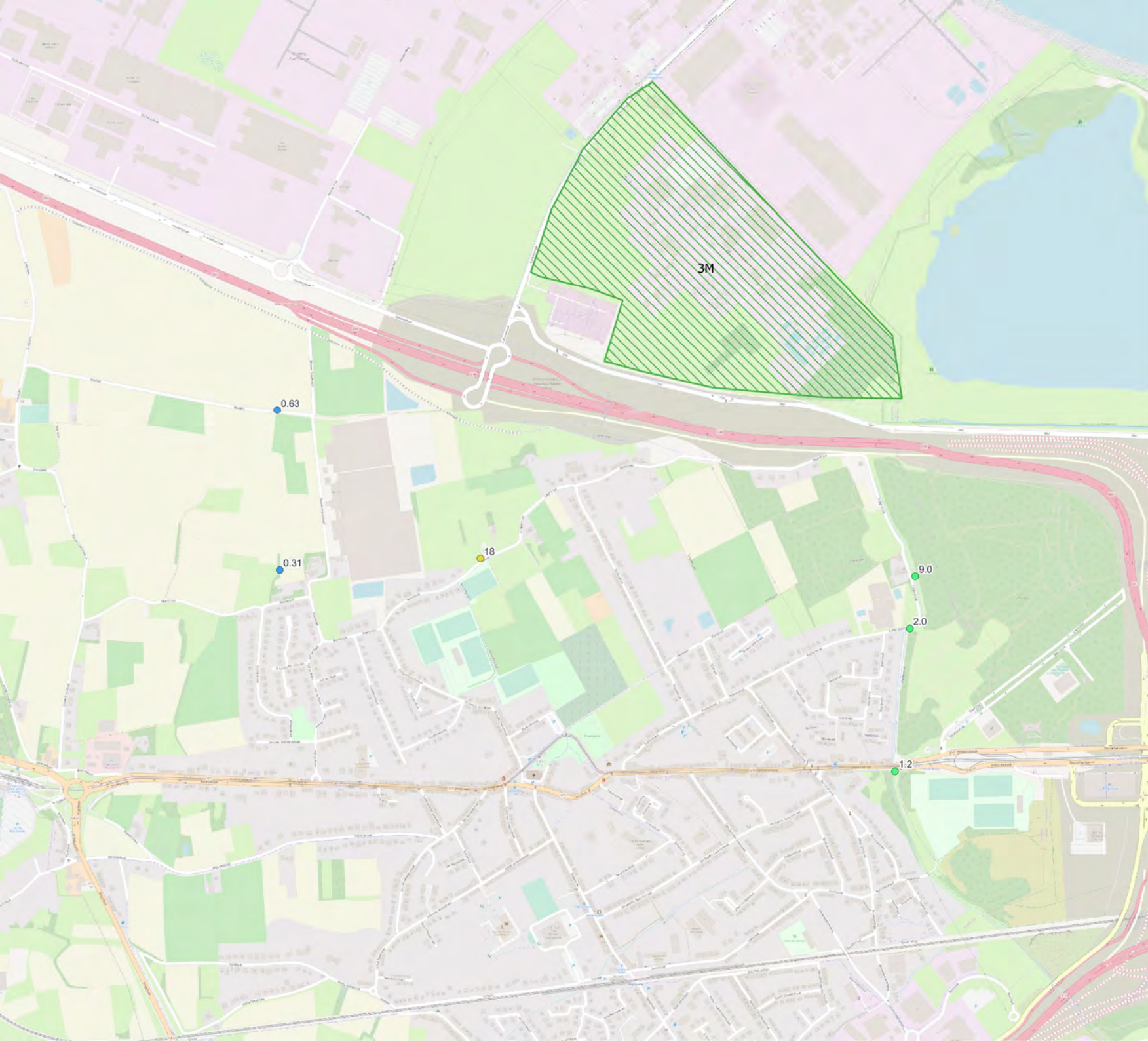


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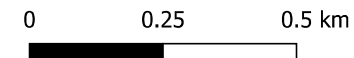
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 9	Description: Maps showing PFAS concentrations in sediment
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Phase: 1A off-site	Scale: 1:10000	Page Size: A3	Filename:	Date: 8-2-2022
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1:10000



Legend



Maps DSI Sediment

Sum PFOS sediment

- 0 - 1 µg/kg ds
- 1 - 10 µg/kg ds
- 10 - 100 µg/kg ds

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
N/A

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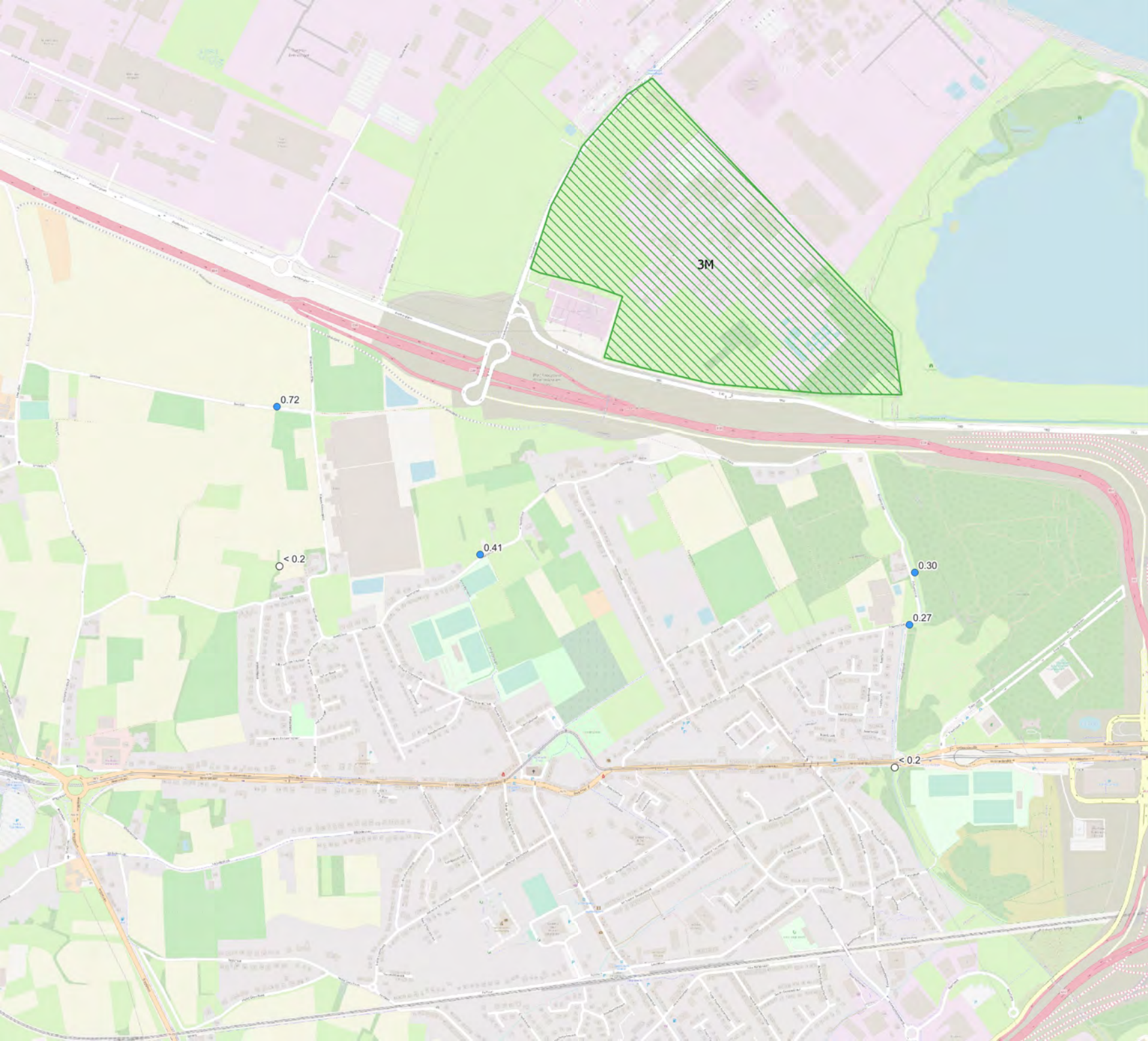
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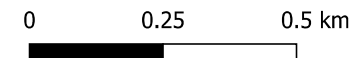
Figure: 9	Description: Maps showing PFAS concentrations in sediment
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename:	Date: 8-2-2022
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1:10000

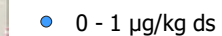
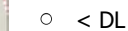


Legend



Maps DSI Sediment

Sum PFOA sediment



OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.2 µg/kg ds

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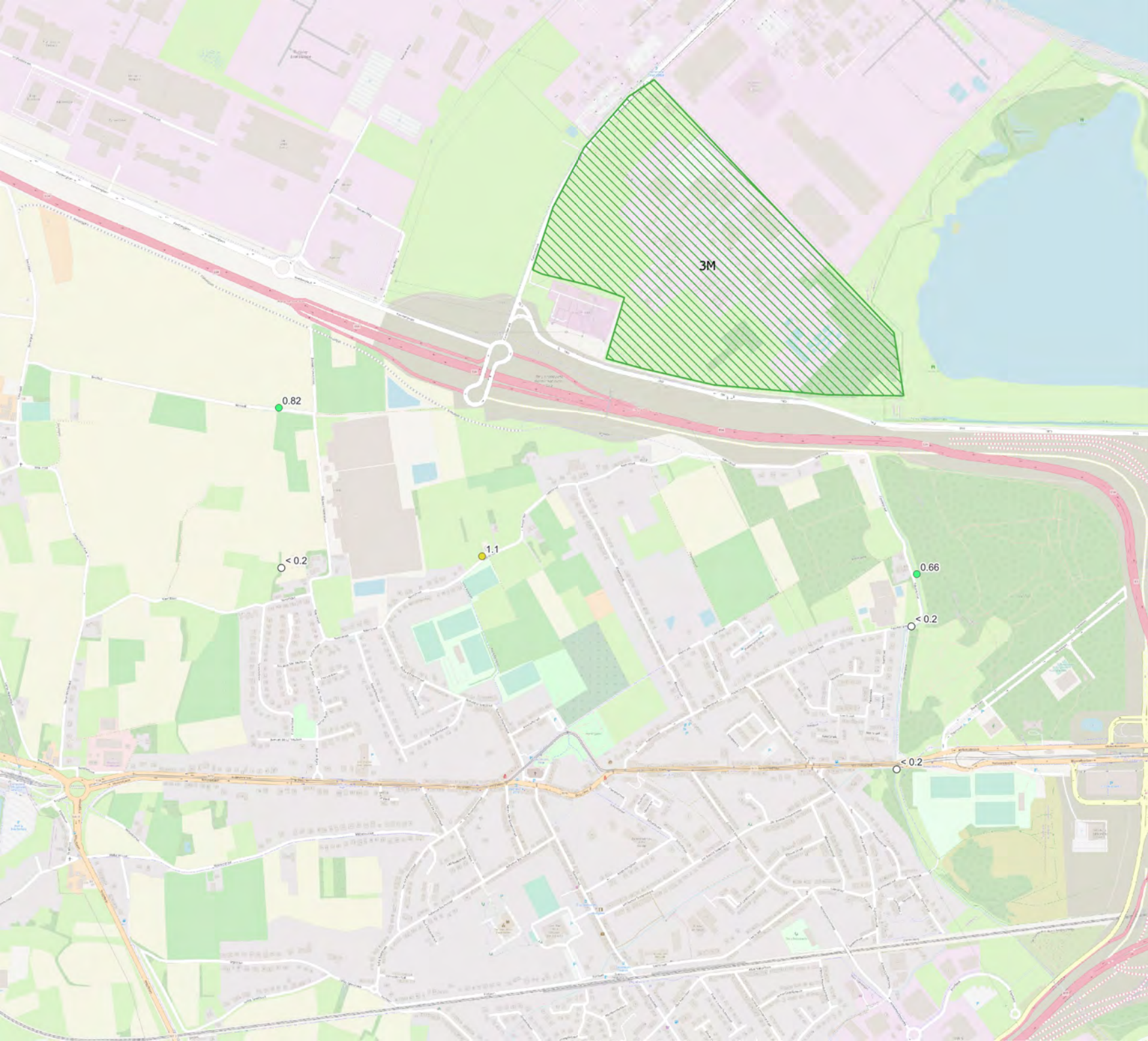
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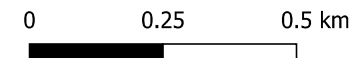
Figure: 9	Description: Maps showing PFAS concentrations in sediment
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022
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1:10000



Legend



Maps DSI Sediment

PFBA sediment


- < DL
- 0.5 - 1 µg/kg ds
- 1 - 5 µg/kg ds

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses: 0.2 µg/L

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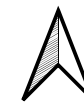
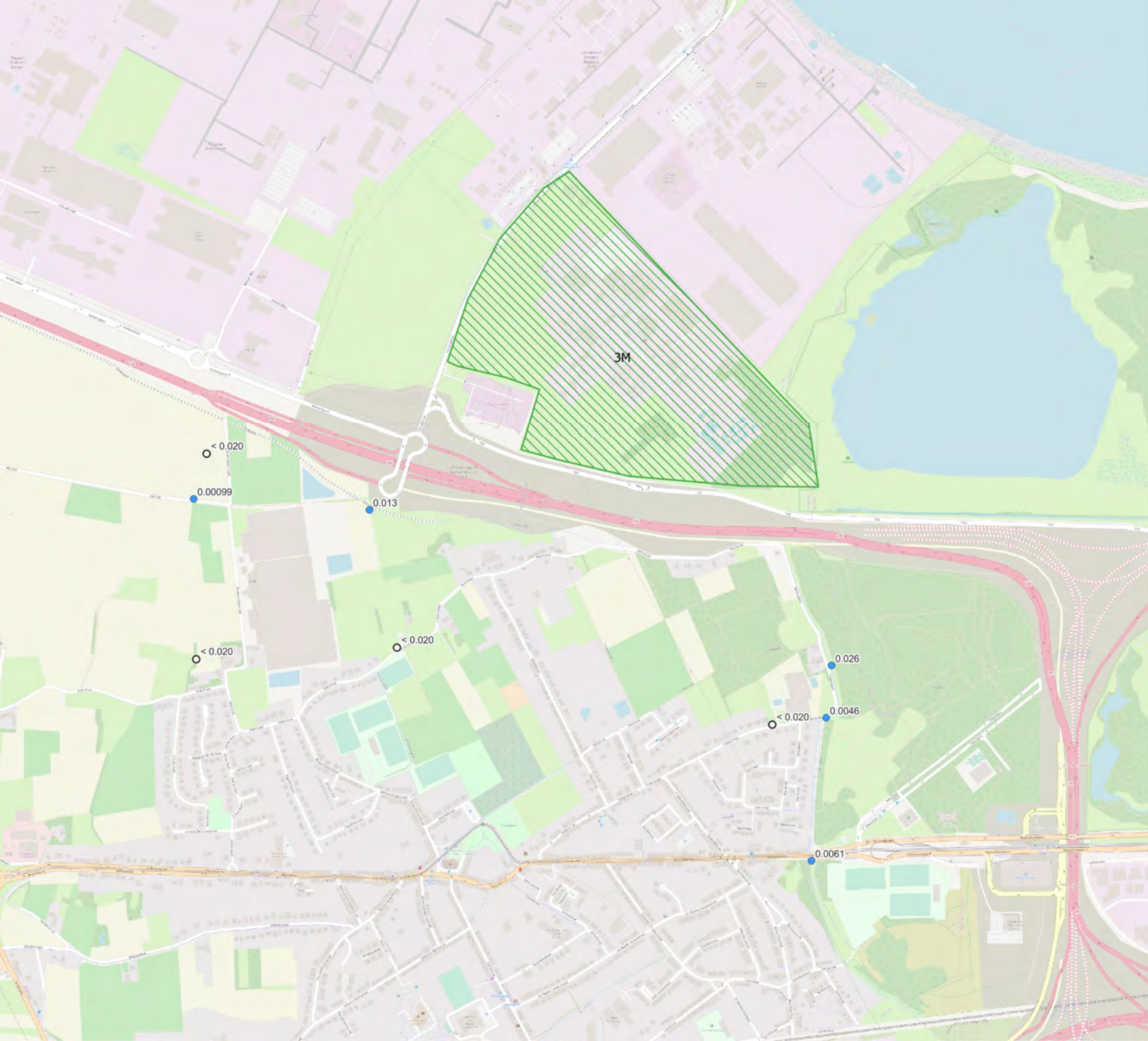
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Figure: 9	Description: Maps showing PFAS concentrations in sediment
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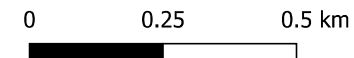
Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022
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FIGUUR 10 KAARTEN MET RESULTATEN IN OPPERVLAKTEWATER



1:10000



Legend



Maps DSI Surface Water

FOSA SW


- < DL
- 0 - 0.05 µg/L

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.02 µg/L

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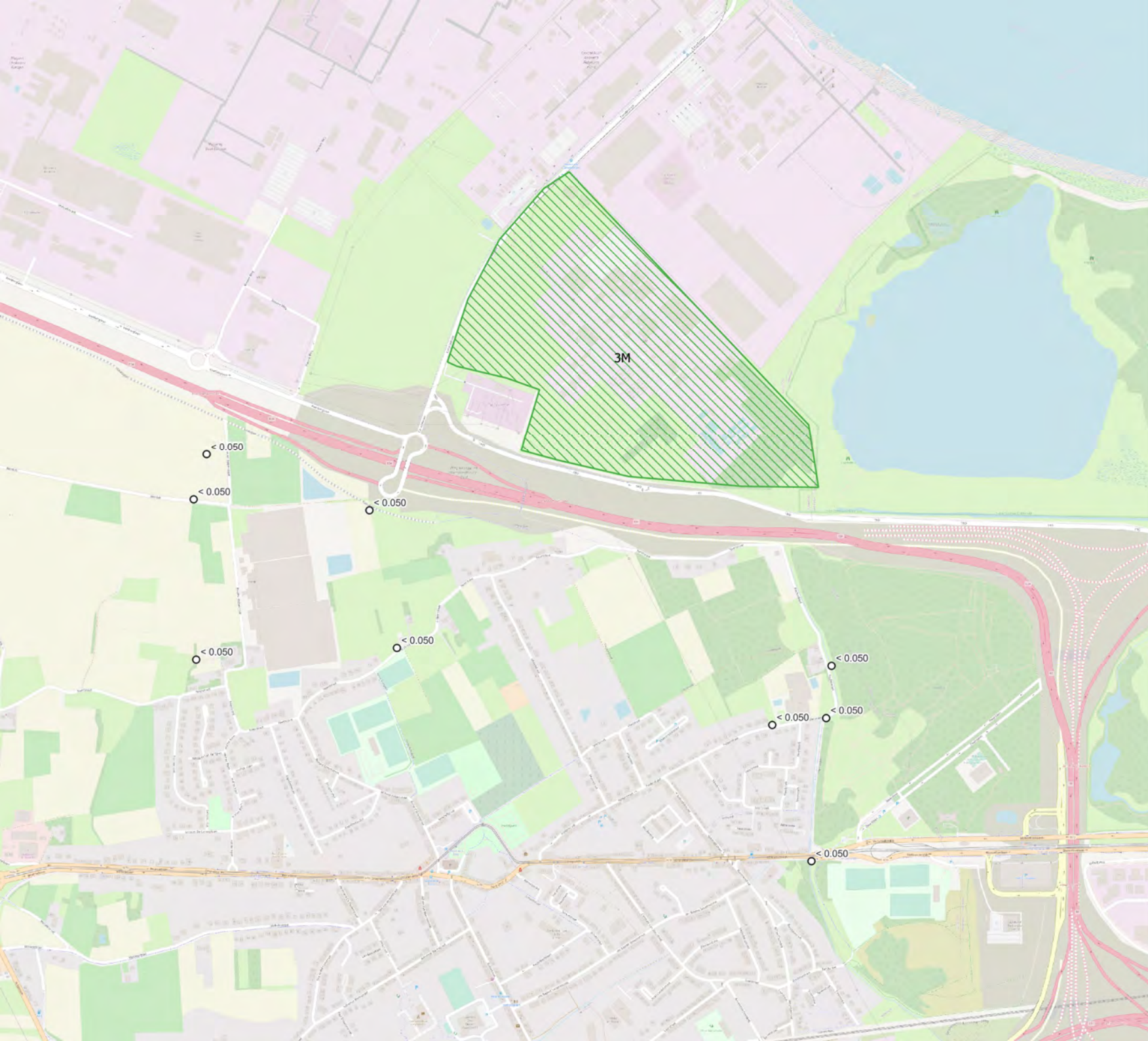
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
----------------------------	----------------------------------------------------------------------

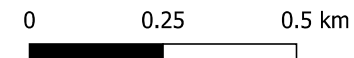
Figure: 10	Description: Maps showing PFAS concentrations in surface water
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Phase: 1A off-site	Page Size: A3	Filename:	Date: 8-2-2022
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Scale: 1:10000	Page Size: A3	Filename:	Date: 8-2-2022
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1:10000



Legend



Site

Maps DSI Surface Water

PFBSA SW


○ < DL (µg/L)

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.05 µg/L

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Fax.: +32 2 287 36 79



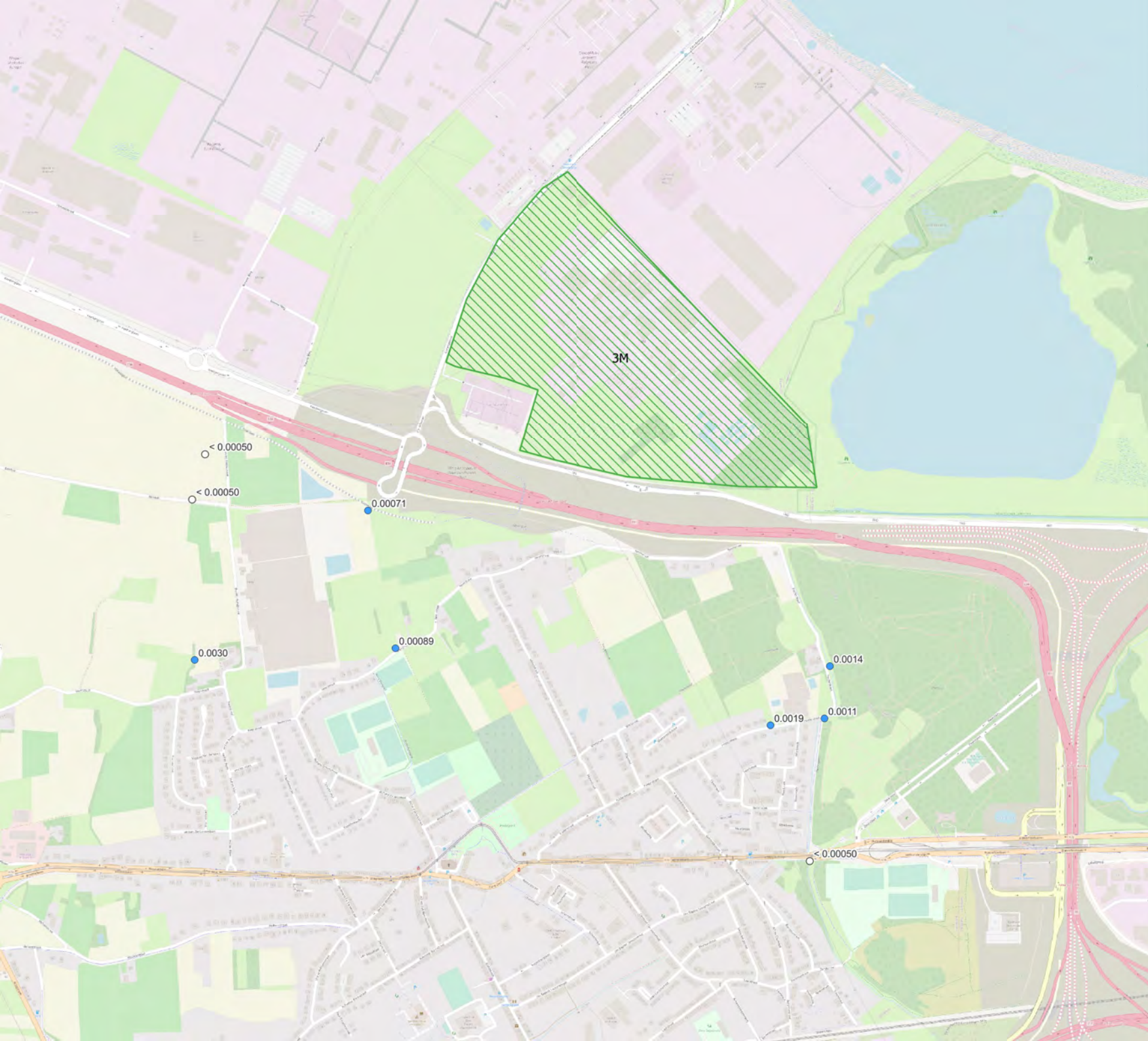
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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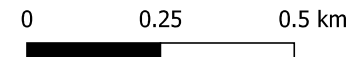
Figure: 10	Description: Maps showing PFAS concentrations in surface water
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename:	Date: 8-2-2022
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1:10000



Legend

Site

Maps DSI Surface Water

PFNA SW

< DL

0 - 0.05 µg/L

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses: 0.0005 µg/L

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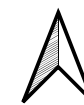
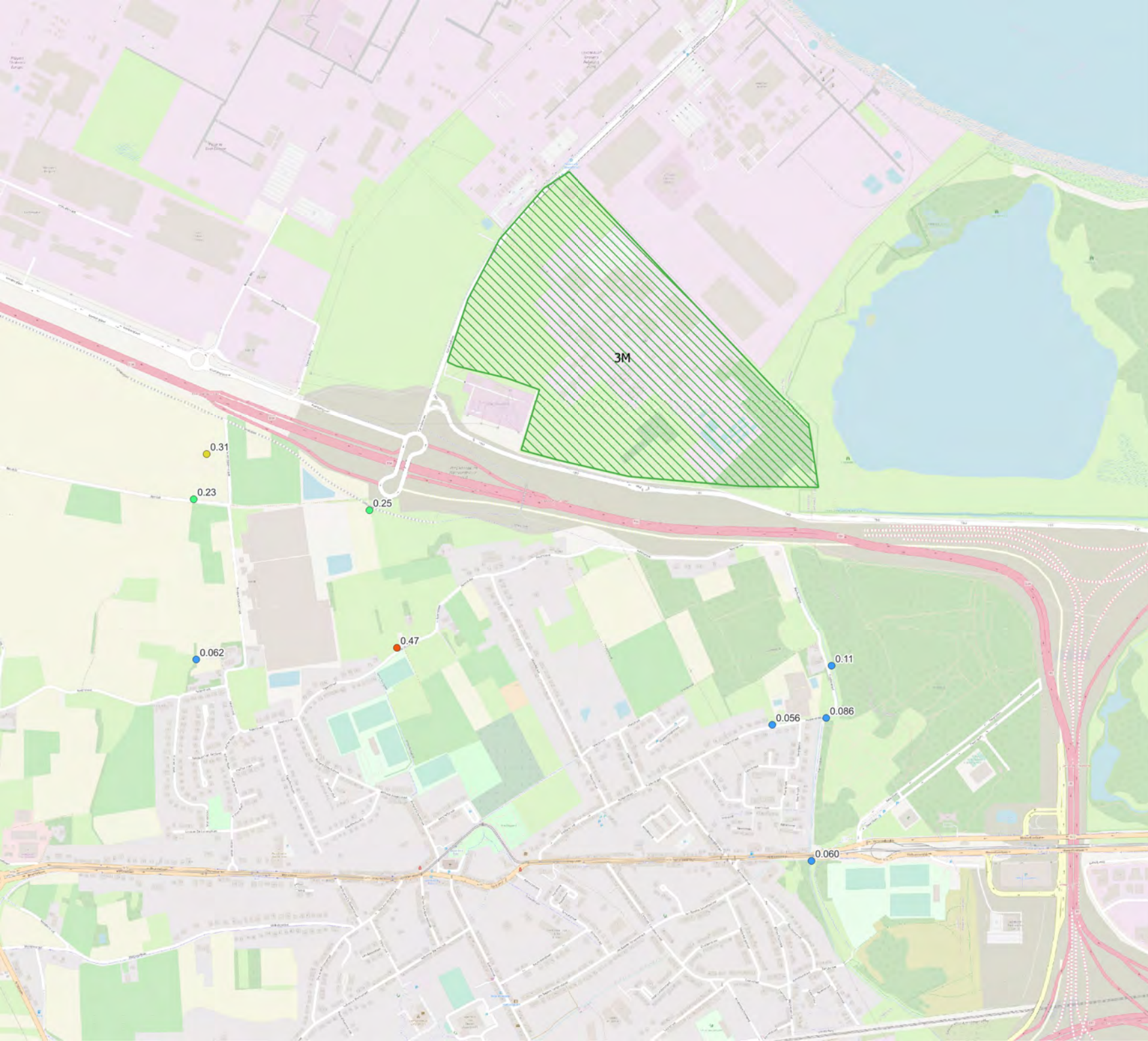


Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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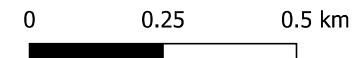
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 10	Description: Maps showing PFAS concentrations in surface water
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Phase: 1A off-site	Scale: 1:10000	Page Size: A3	Filename:	Date: 8-2-2022
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1:10000



Legend



Maps DSI Surface Water


PFBS SW

- 0 - 0.15 µg/L
- 0.15 - 0.3 µg/L
- 0.3 - 0.45 µg/L
- 0.45 - 0.6 µg/L

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
N/A

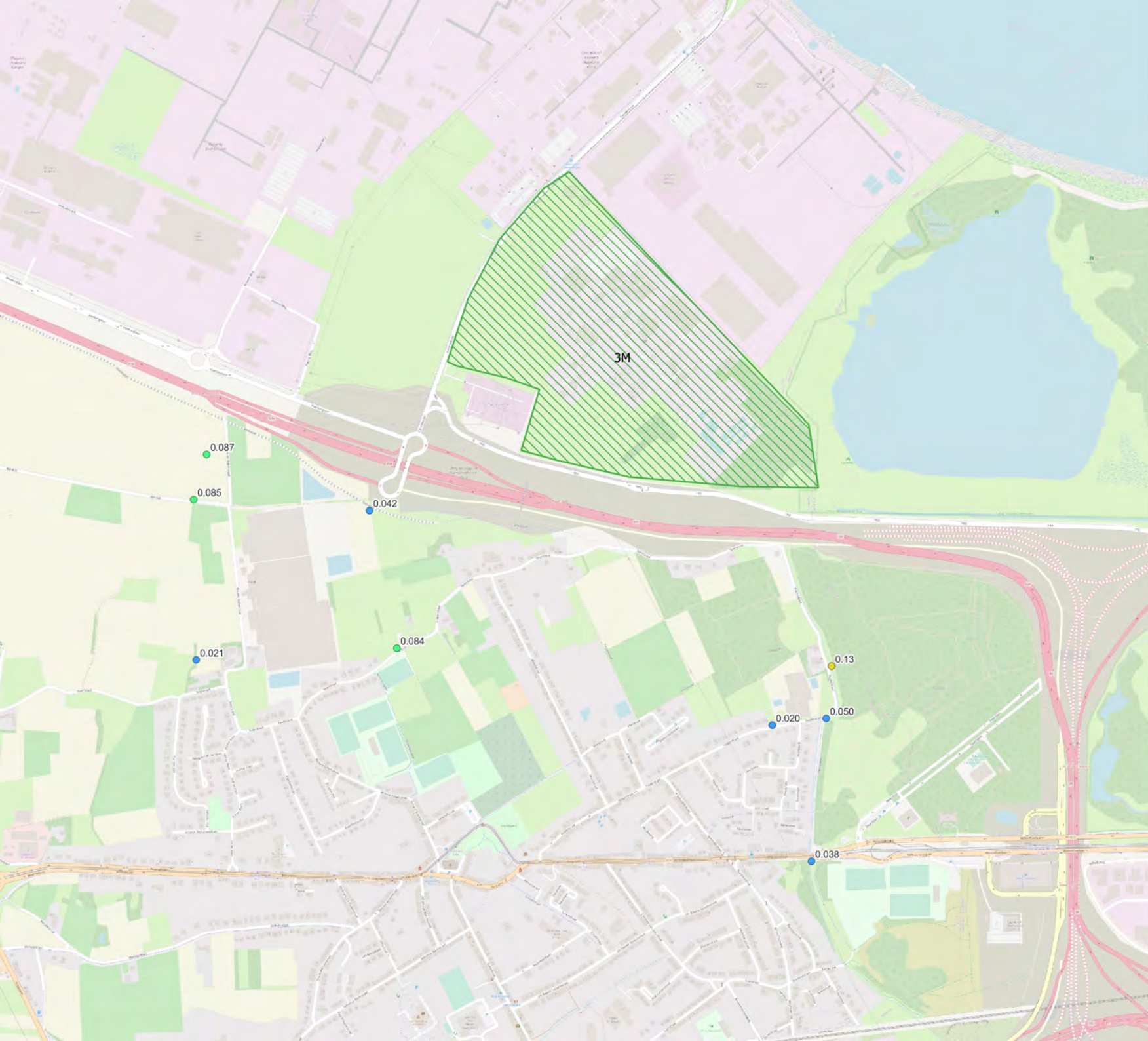
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Environmental Resources Management N.V. Centersteen 47 1000 Brussel Tel.: +32 2 550 02 80 Fax.: +32 2 287 36 79		
Client / Project Name: 3M	Location: Zwijndrecht, Belgium	

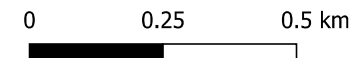
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 10	Description: Maps showing PFAS concentrations in surface water
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Phase: 1A off-site	Scale: 1:10000	Page Size: A3	Filename:	Date: 8-2-2022
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1:10000



Legend



Maps DSI Surface Water

PFHxS SW

- 0 - 0.05 µg/L
- 0.05 - 0.1 µg/L
- 0.1 - 0.15 µg/L

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
N/A

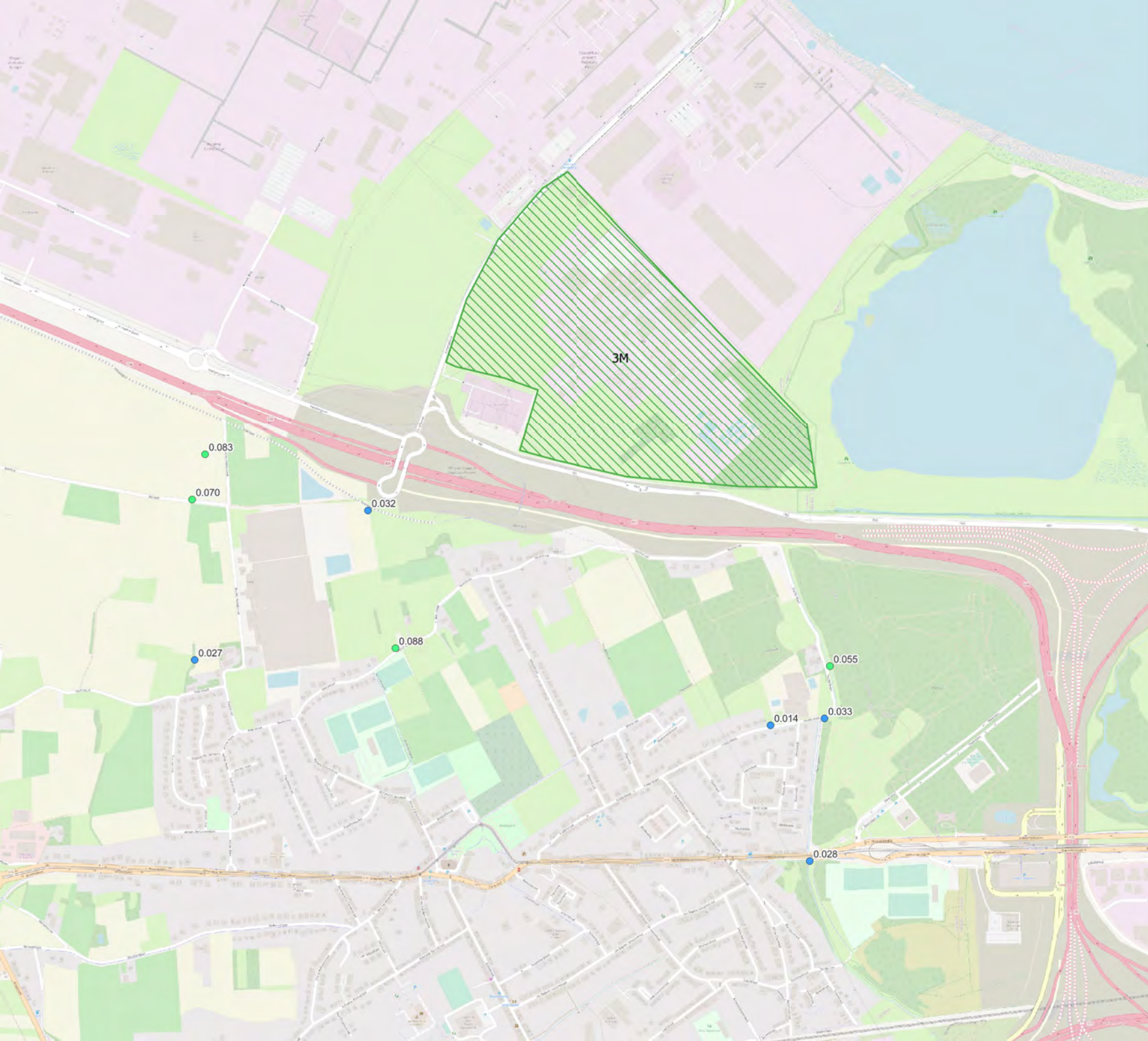
Drafted: JOP	Corrected by: JVL	Approved by: DN	Version: V1	FINAL DRAFT
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Environmental Resources Management N.V. Cantersteen 47 1000 Brussel Tel.: +32 2 550 02 80 Fax.: +32 2 287 36 79		
Client / Project Name: 3M	Location: Zwijndrecht, Belgium	

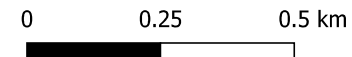
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 10	Description: Maps showing PFAS concentrations in surface water
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Phase: 1A off-site	Scale: 1:10000	Page Size: A3	Filename:	Date: 8-2-2022
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1:10000



Legend

Site

Maps DSI Surface Water

PFHxA SW

0 - 0.05 µg/L

0.05 - 0.1 µg/L

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
N/A

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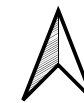
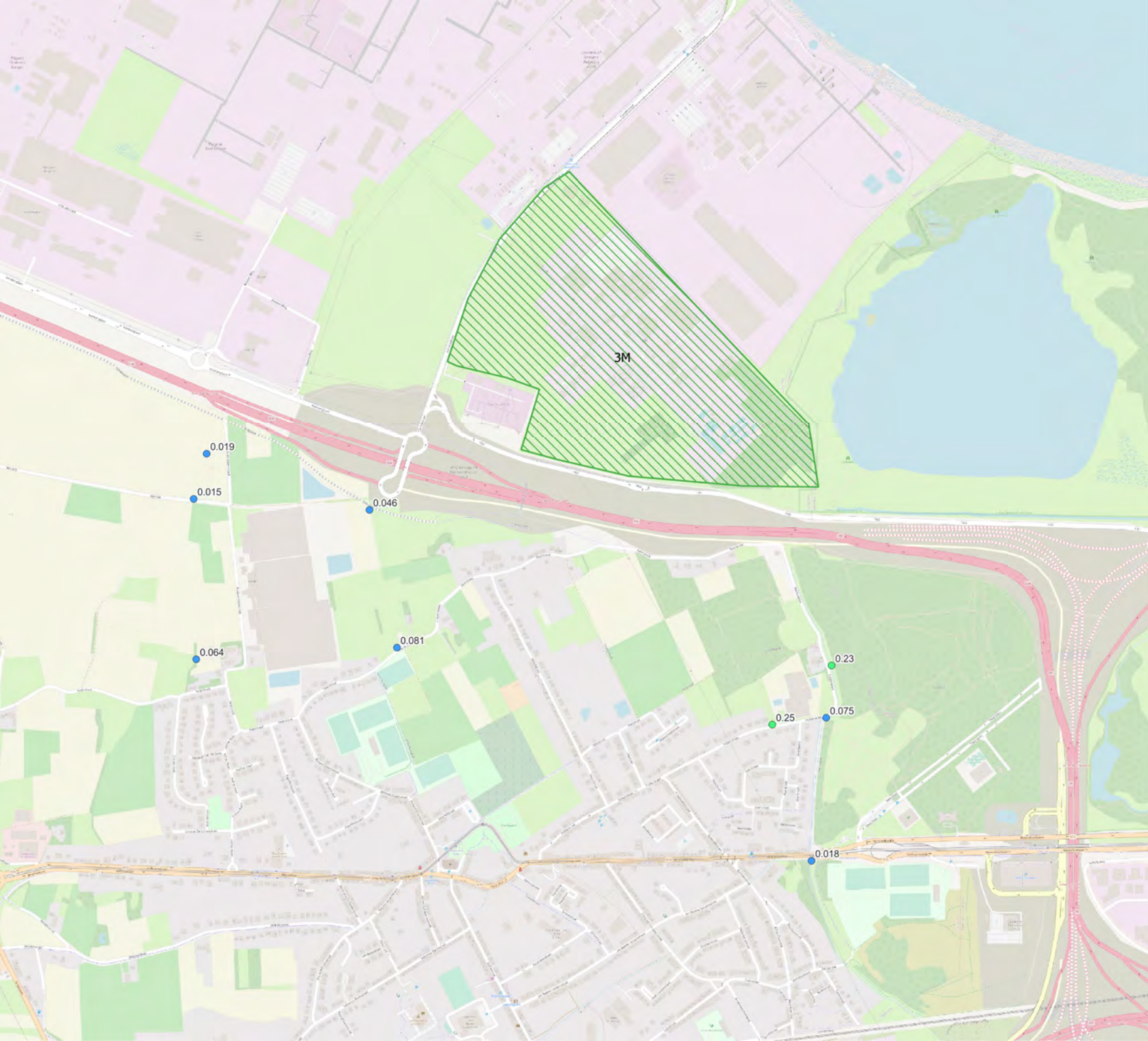
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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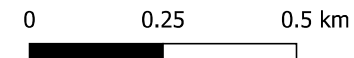
Figure: 10	Description: Maps showing PFAS concentrations in surface water
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename:	Date: 8-2-2022
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1:10000



Legend



Maps DSI Surface Water


Sum PFOS SW

- 0 - 0.15 µg/L
- 0.15 - 0.3 µg/L

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
N/A

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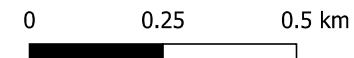
Environmental Resources Management N.V. Cantersteen 47 1000 Brussel Tel: +32 2 550 02 80 Fax: +32 2 287 36 79		
Client / Project Name: 3M	Location: Zwijndrecht, Belgium	

Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
Figure: 10	Description: Maps showing PFAS concentrations in surface water

Phase: 1A off-site	Scale: 1:10000	Page Size: A3	Filename:	Date: 8-2-2022
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1:10000



Legend



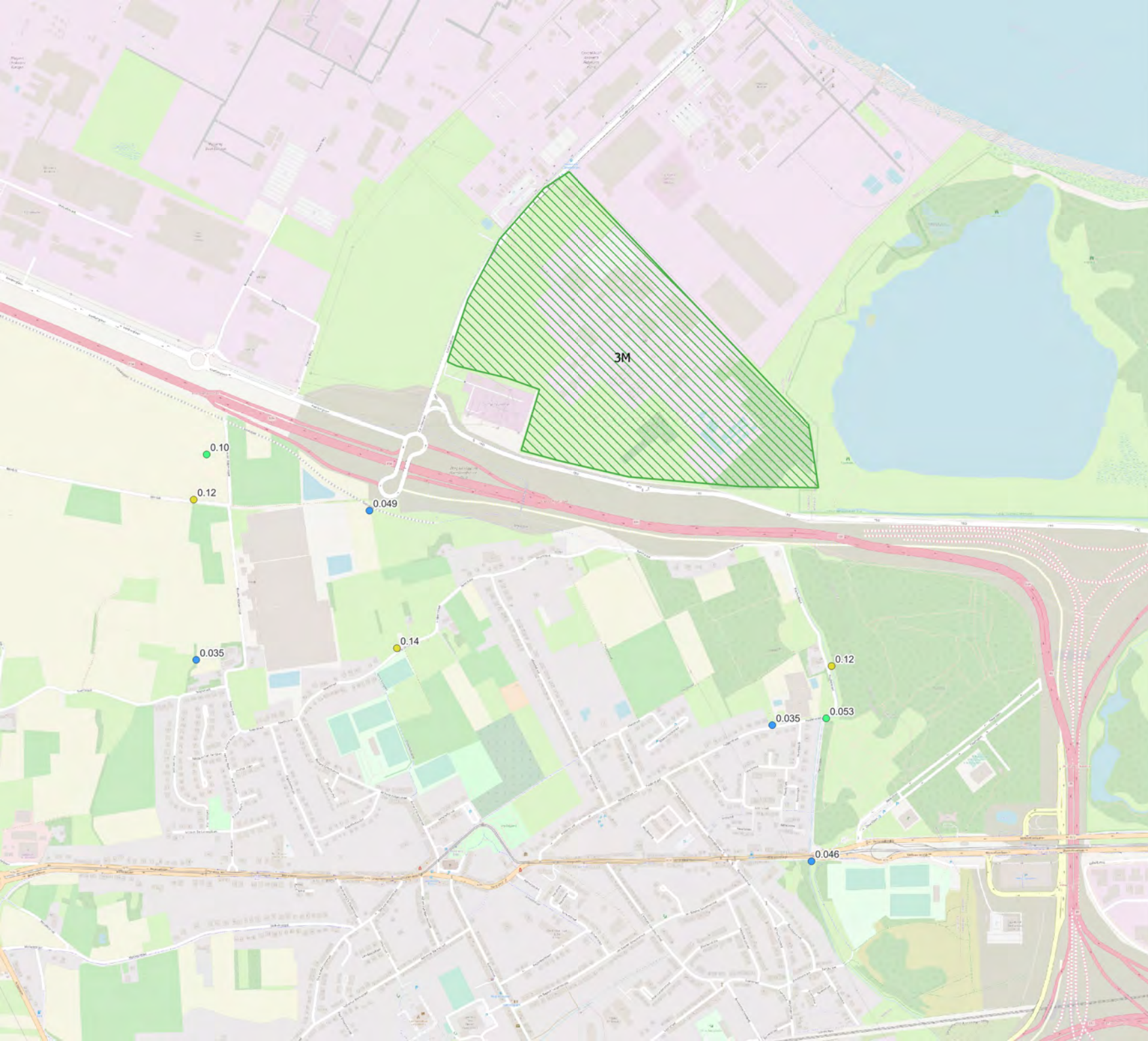
Maps DSI Surface Water

Sum PFOA SW

- 0 - 0.05 µg/L
- 0.05 - 0.1 µg/L
- 0.1 - 0.15 µg/L


OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
N/A



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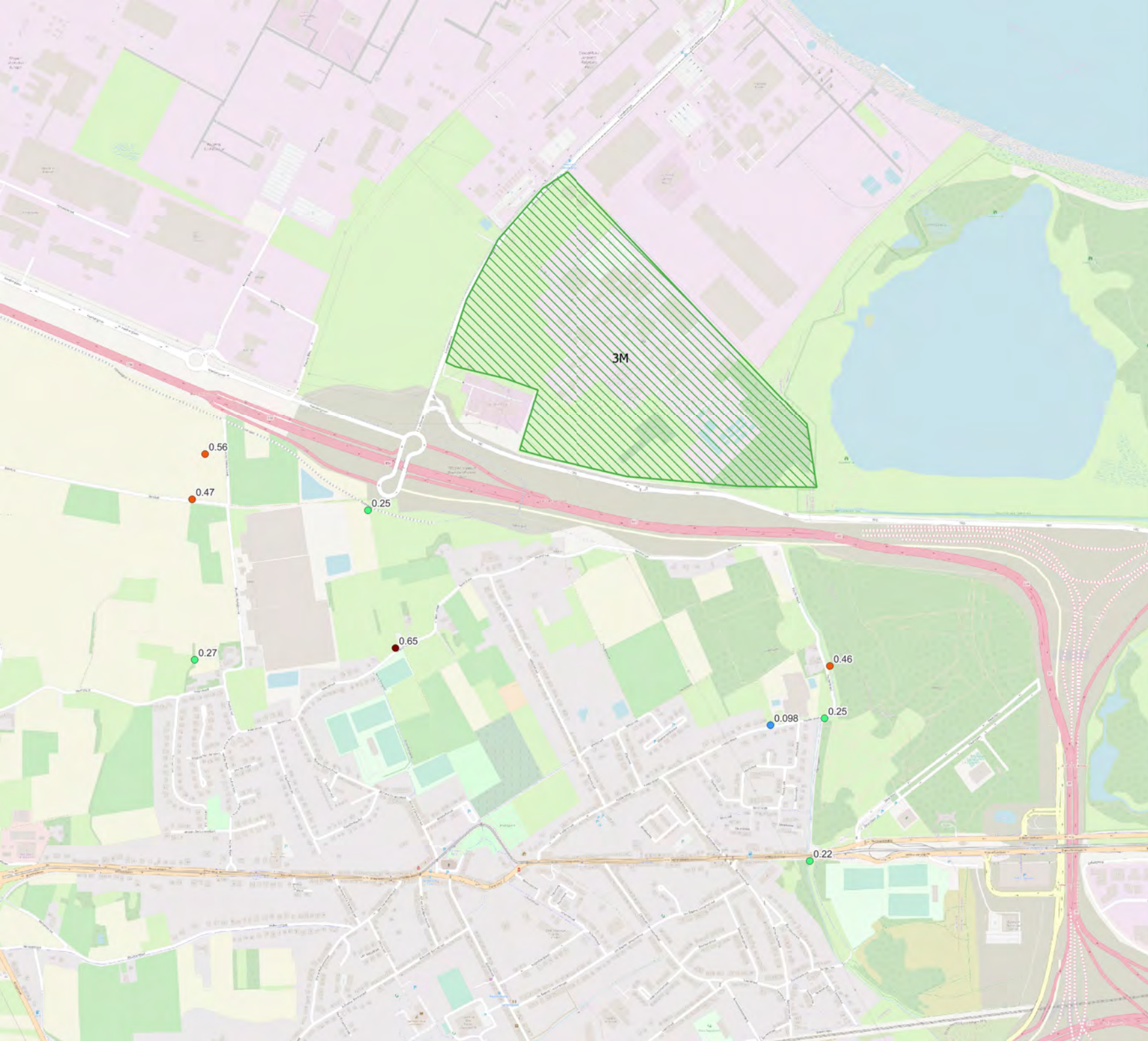
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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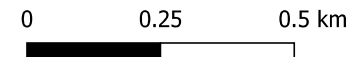
Figure: 10	Description: Maps showing PFAS concentrations in surface water
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename:	Date: 8-2-2022
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1:10000



Legend

Site

Maps DSI Surface Water

PFBA SW

- 0 - 0.15 µg/L
- 0.15 - 0.3 µg/L
- 0.45 - 0.6 µg/L
- > 0.6 µg/L

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
N/A

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Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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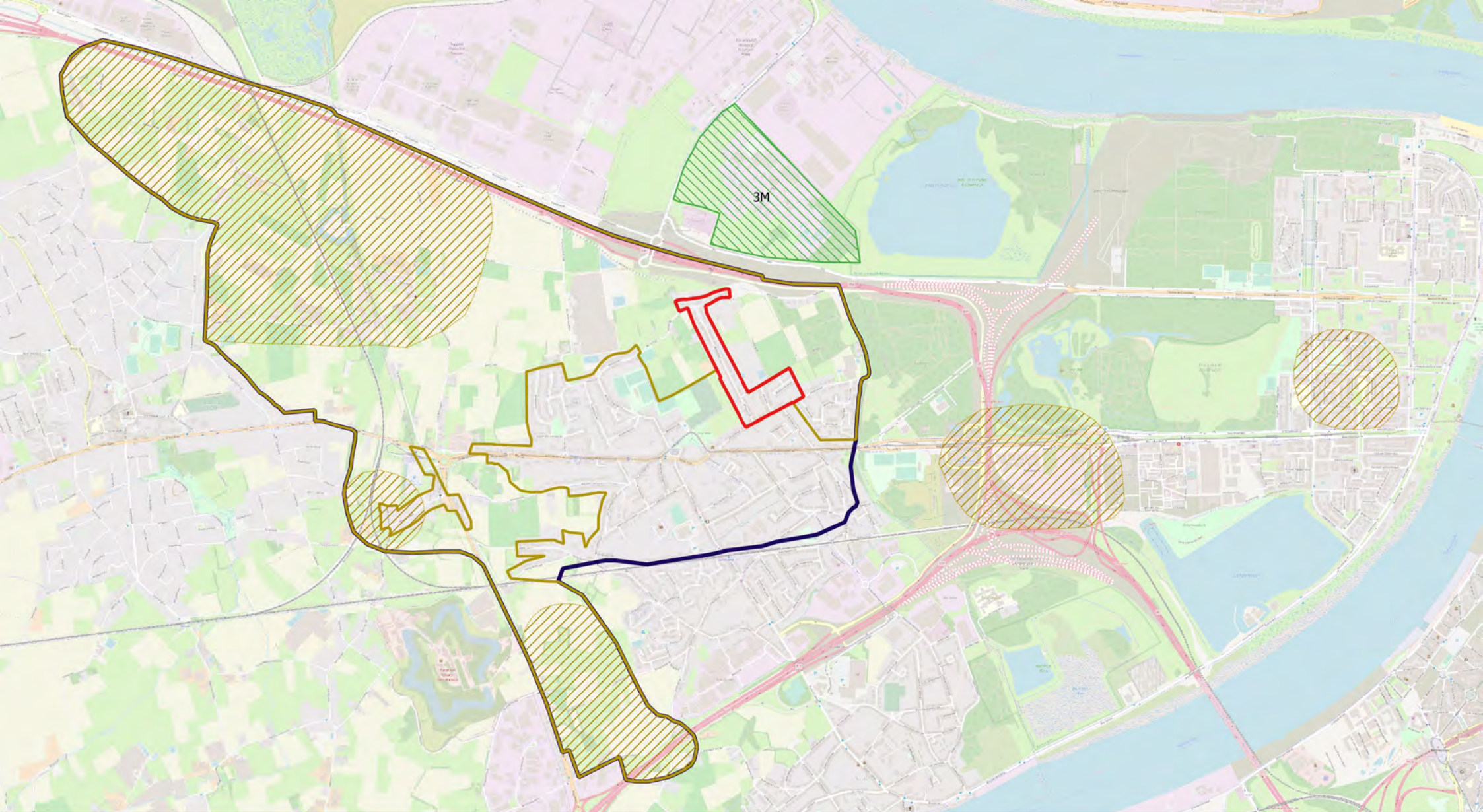
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 10	Description: Maps showing PFAS concentrations in surface water
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Phase: 1A off-site	
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Scale: 1:10000	Page Size: A3	Filename:	Date: 8-2-2022
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FIGUUR 11 KAARTEN MET CONTOURLIJNEN VOOR PFAS



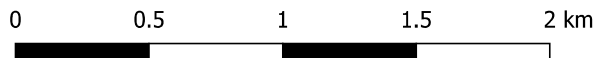
Legend


-  Site
- Maps DSI BSN-I calculation - ($18 \mu\text{g}/\text{kg ds}$)
- Contour PFAS
-  PFAS BSN Type II
-  PFAS - comingled impact ? BSN Type II
-  PFAS BSN Type III ($18 \mu\text{g}/\text{kg dm}$)
-  Contour PFAS BSN in

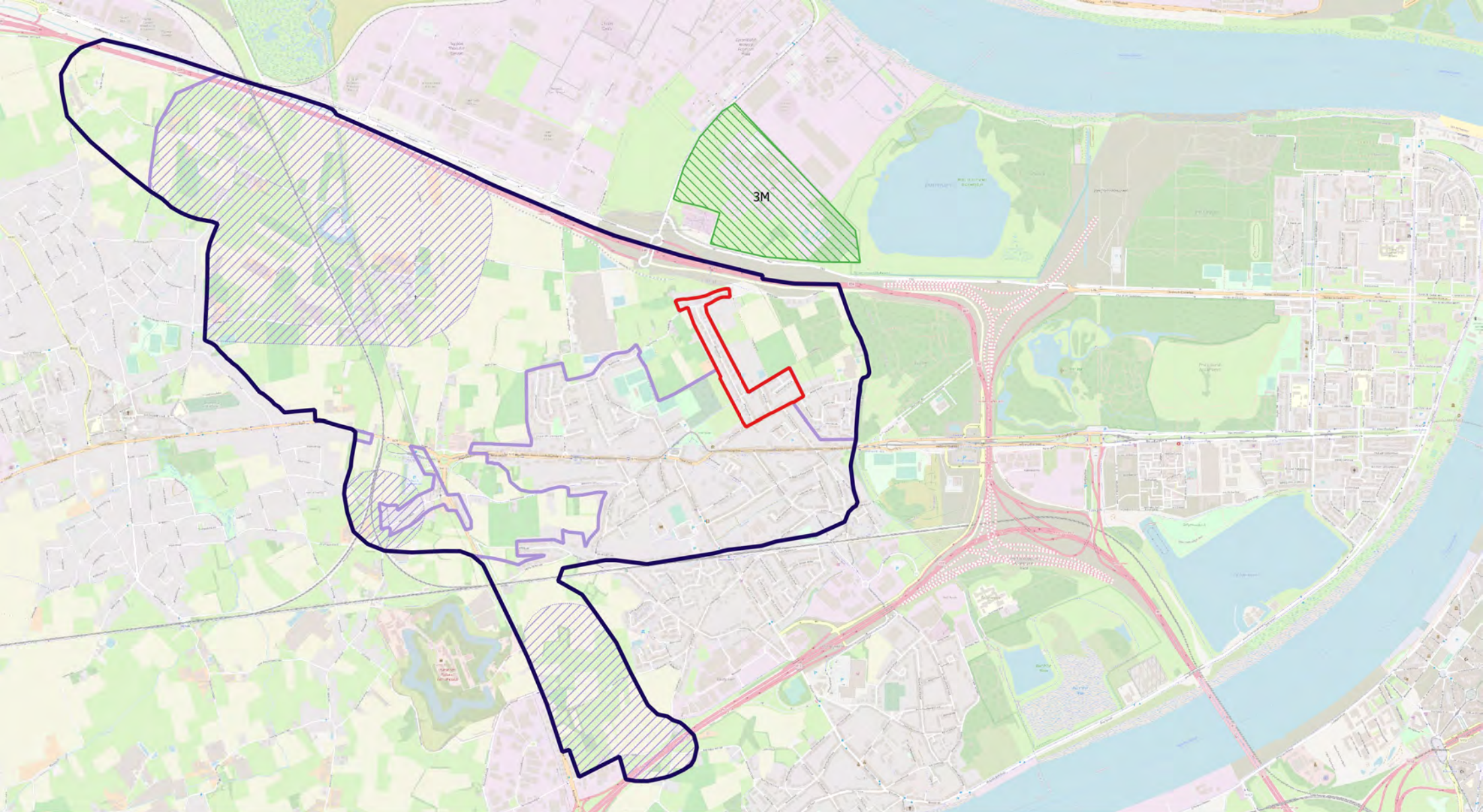
OpenStreetMap



1:20000



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Client / Project Name: 3M		Location: Zwijndrecht, Belgium		
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).			
Figure: 11	Description: Map showing contour lines for PFAS			
Phase: 1A off-site				
Scale: 1:20000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022	



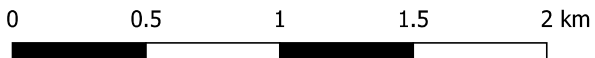
Legend

- Site
- Maps DSI BSN-I calculation - (18 µg/kg ds)**
- Contour PFAS BSN in
- Contour PFOS
- PFOS BSN Type II
- PFOS - comingled impact ? BSN Type II
- PFOS BSN Type III

OpenStreetMap



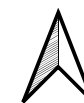
1:20000



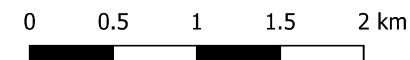
Drafted: JOP	Corrected by: JVL	Approved by: DN	Version: V1	FINAL DRAFT
Environmental Resources Management N.V. Cantersteen 47 1000 Brussel Tel.: +32 2 550 02 80 Fax.: +32 2 287 36 79				
Client / Project Name: 3M		Location: Zwijndrecht, Belgium		
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).			
Figure: 11	Description: Map showing contour lines for PFOS			
Phase: 1A off-site				
Scale: 1:20000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022	



FIGUUR 12 **KAARTEN MET DE DETECTIES VAN PFAS-
VERBINDINGEN DIE GEEN COC ZIJN**



1:32000

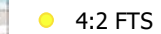
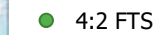


Legend



Soil PFC Other

4:2 FTS 0-0,5 m-mv



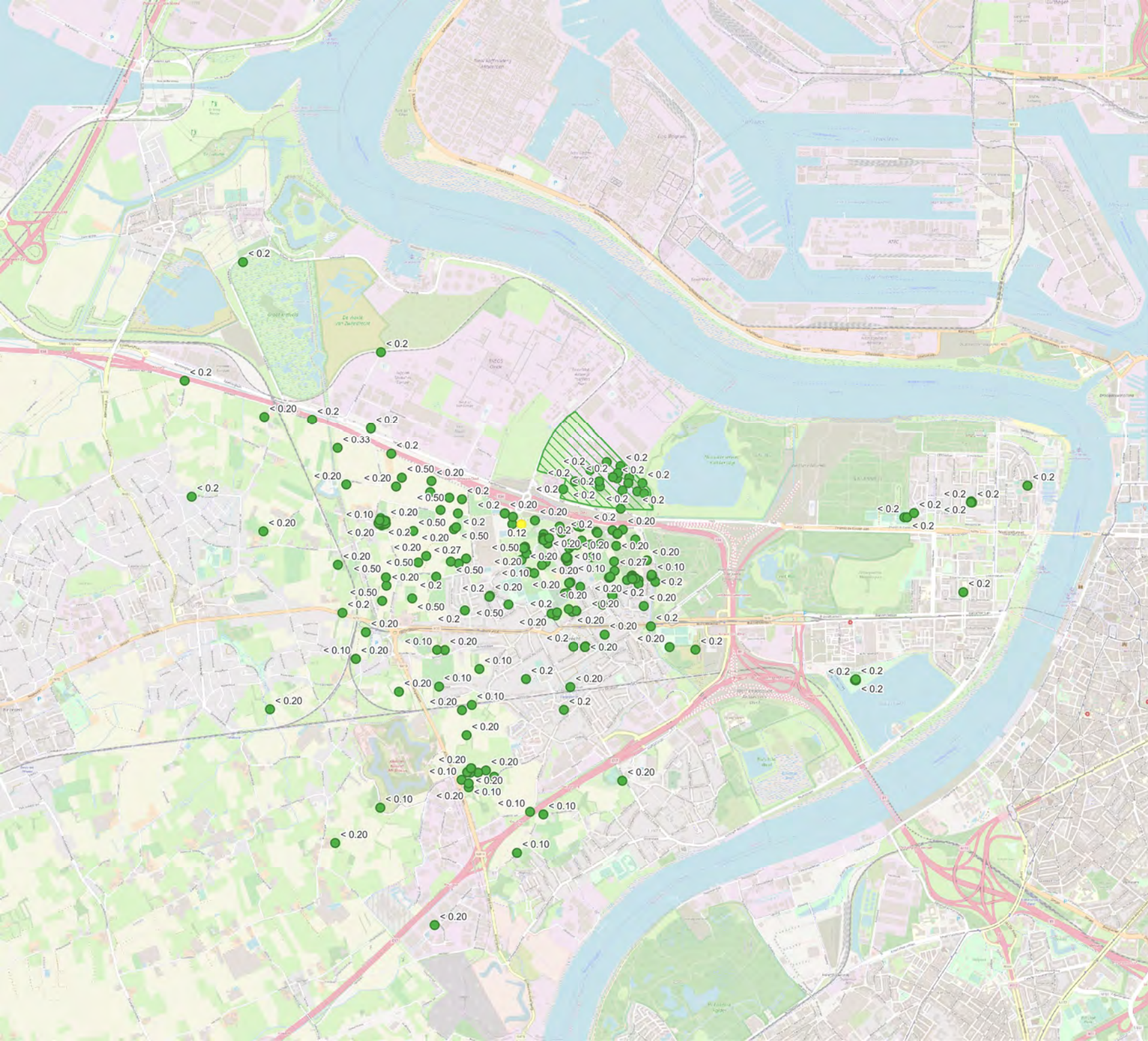
OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:

0.1 µg/kg ds


0.2 µg/kg ds

0.5 µg/kg ds



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Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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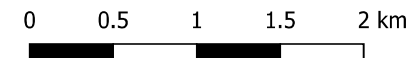
Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
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Phase: 1A off site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:32000

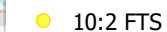
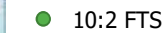


Legend



Soil PFC Other

10:2 FTS 0-0,5 m-mv



OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:


0.1 µg/kg ds

0.2 µg/kg ds

0.44 µg/kg ds

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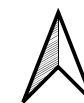
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
----------------------------	----------------------------------------------------------------------

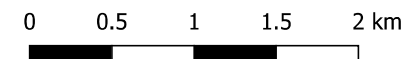
Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
---------------	-------------------------------------------------------------------------------

Phase: 1A off site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:32512,16



Legend

Site

Soil PFC Other

6:2/8:2 Fluorotelomer phosphate diester 0-0,5 m-mv

6:2/8:2 Fluorotelomer phosphate diester

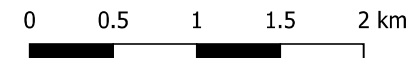
OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.2 µg/kg ds
0.5 µg/kg ds

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Environmental Resources Management N.V. Cantersteen 47 1000 Brussel Tel: +32 2 550 02 80 Fax: +32 2 287 36 79				
Client / Project Name: 3M		Location: Zwijndrecht, Belgium		
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).			
Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil			
Phase: 1A off site				
Scale: 1:32512,16	Page Size: A3	Filename:	Date: 8-2-2022	



1:32000



Legend



Soil PFC Other

6:2 FTS 0-0,5 m-mv

● 6:2 FTS < DL

● 6:2 FTS > DL

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.1 µg/kg ds
0.2 µg/kg ds
0.5 µg/kg ds

Drafted: JOP	Corrected by: JVL	Approved by: DN	Version: V1	FINAL ■ DRAFT
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 Fax.: +32 2 287 36 79



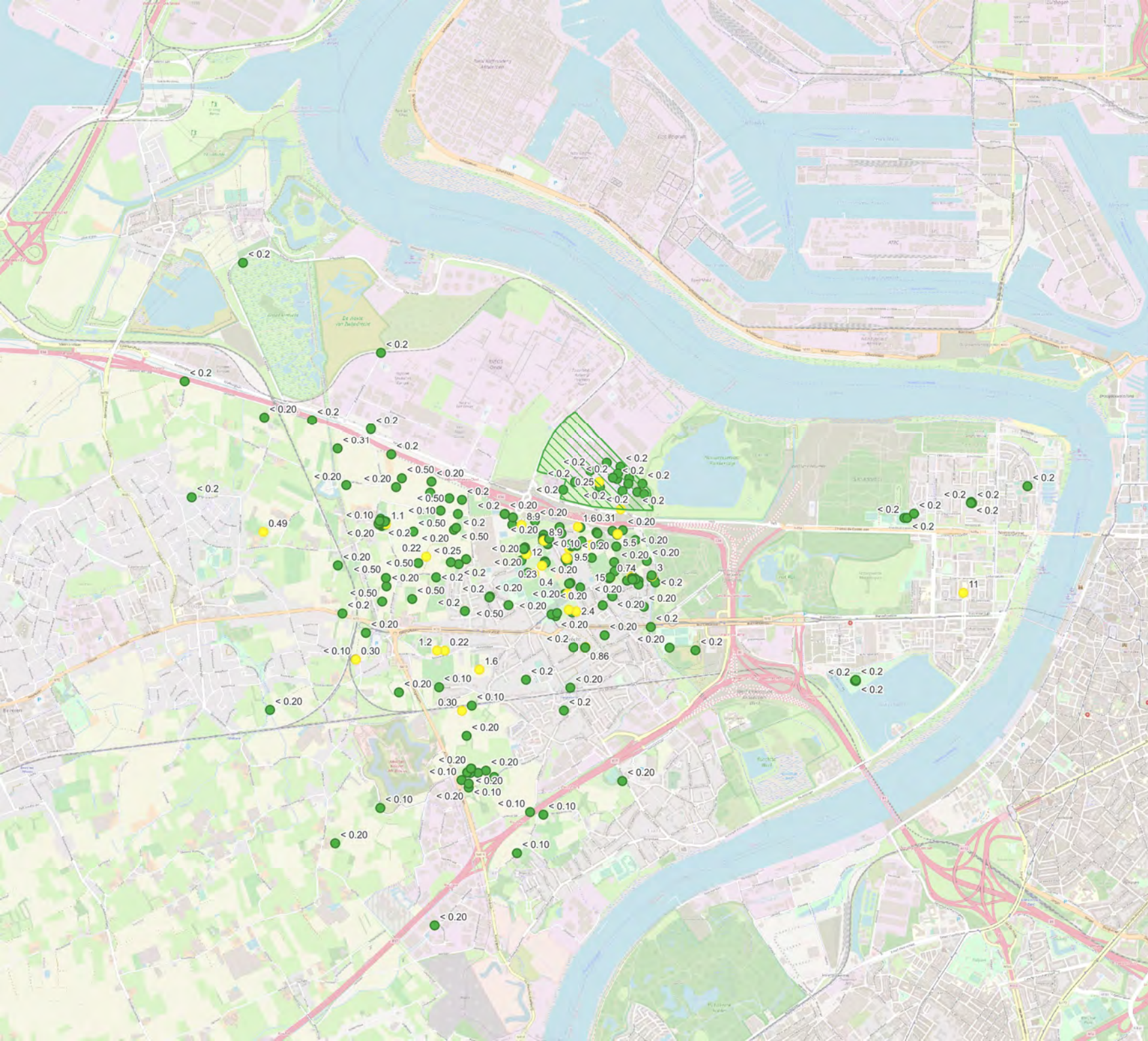
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
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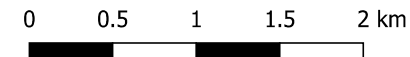
Phase: 1A off site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:32000



Legend



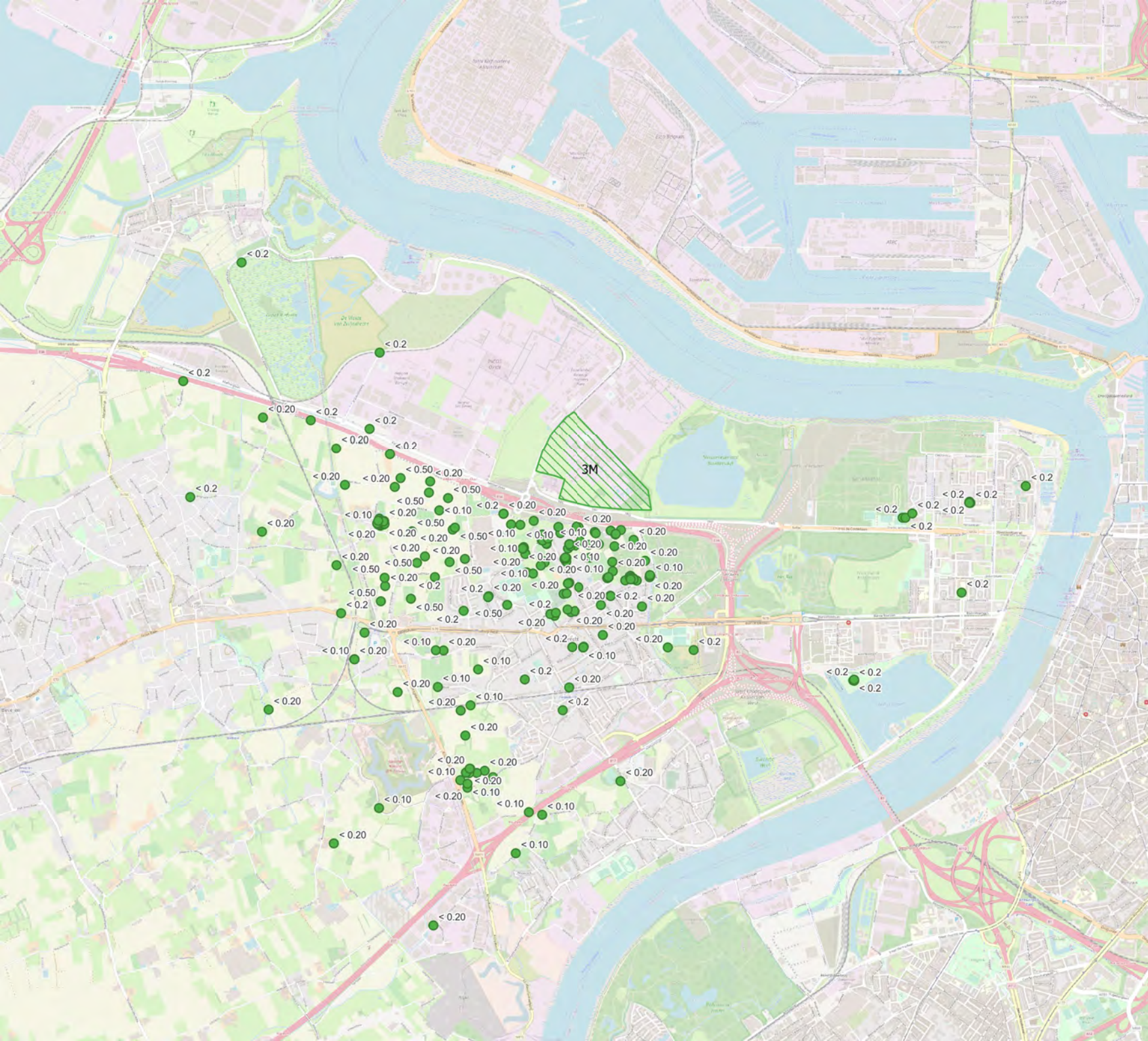
Soil PFC Other

DONA 0-0,5 m-mv




OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.1 µg/kg ds
0.2 µg/kg ds
0.5 µg/kg ds



Drafted: JOP	Corrected by: JVL	Approved by: DN	Version: V1	FINAL DRAFT
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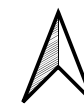
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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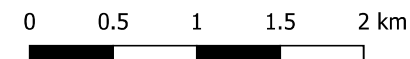
Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
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Phase: 1A off site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:32000



Legend



Soil PFC Other

Cyclohexanesulfonic acid 0-0,5 m-mv

● Cyclohexanesulfonic acid < DL

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.1 µg/kg ds
0.2 µg/kg ds
0.5 µg/kg ds

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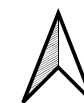
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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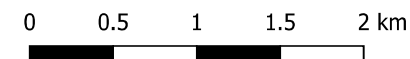
Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
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Phase: 1A off site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:32000



Legend



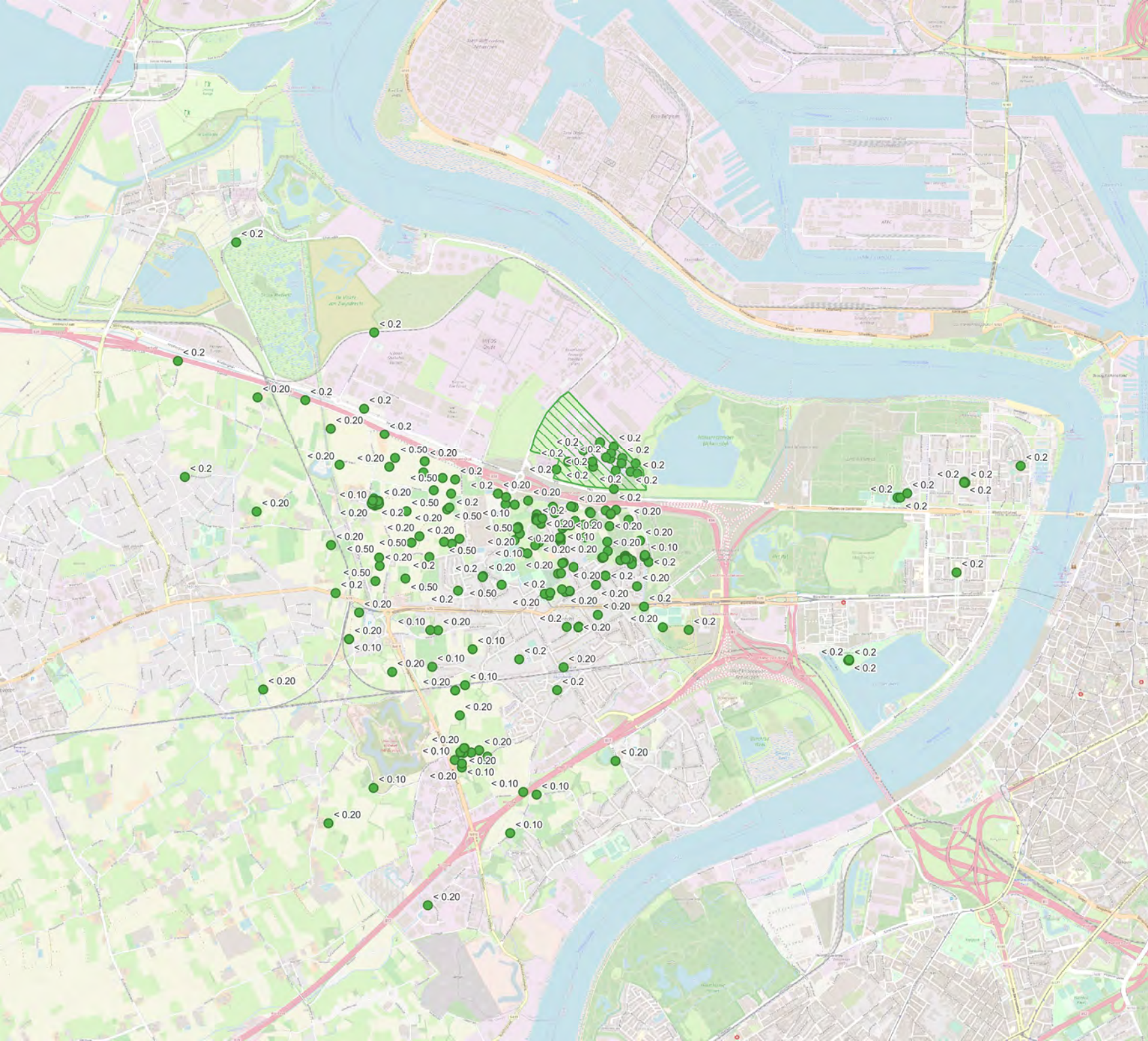
Soil PFC Other

Bisperfluorodecyl phosphate 0-0,5 m-mv

● Bisperfluorodecyl phosphate < DL

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.2 µg/kg ds
0.5 µg/kg ds



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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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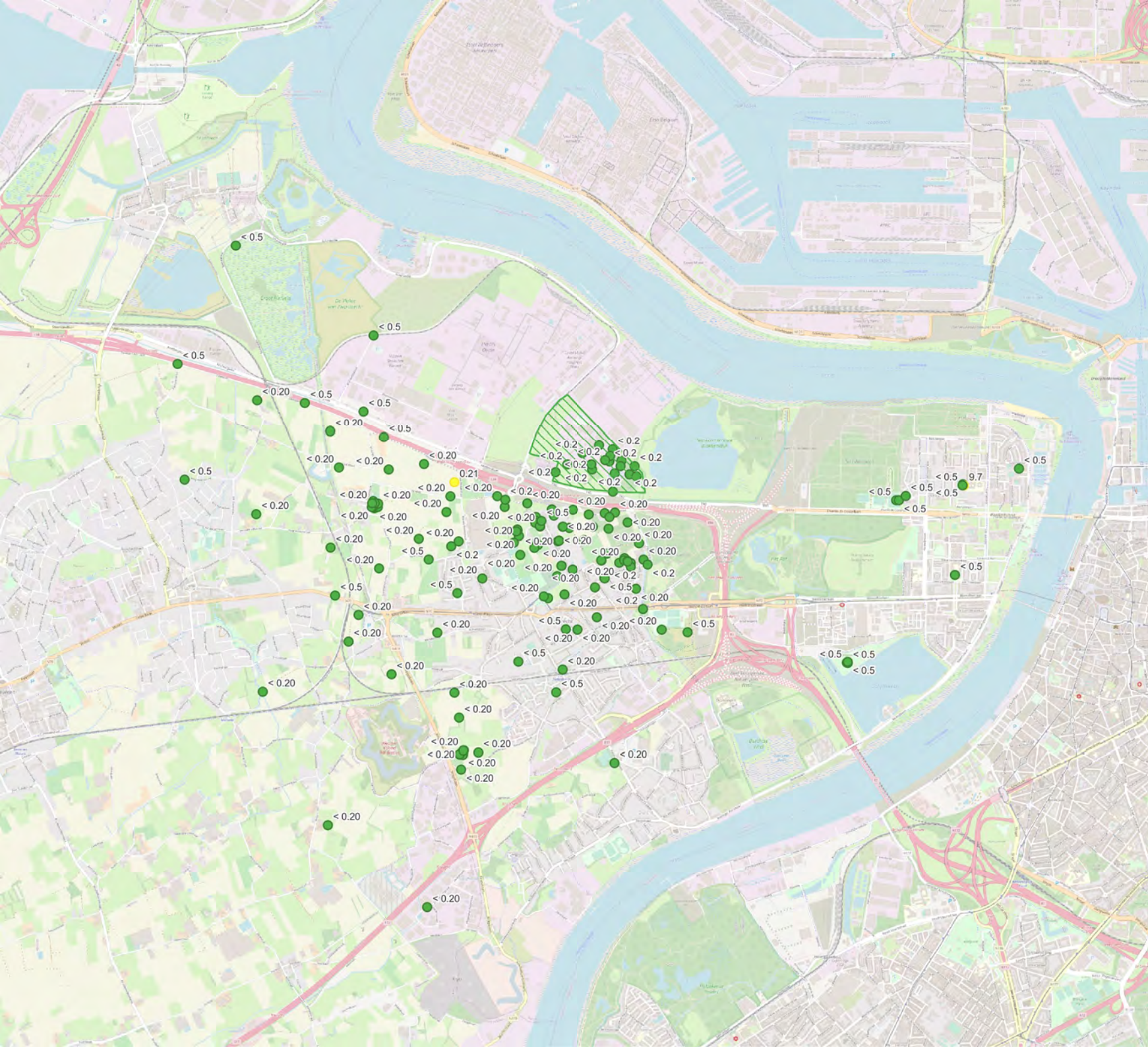
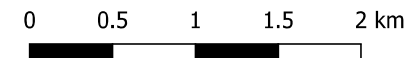
Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
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Phase: 1A off site	
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Scale: 1:32000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022
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1:32254,05



Legend

Site

Soil PFC Other

Bis[2_(perfluorohexyl)ethyl] Phosphate 0-0,5 m-mv

Bis[2_(perfluorohexyl)ethyl] Phosphate < DL

Bis[2_(perfluorohexyl)ethyl] Phosphate > DL

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.2 µg/kg ds
0.5 µg/kg ds

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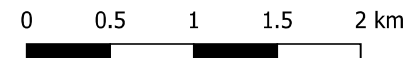
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
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Phase: 1A off site	Scale: 1:32254,05	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022
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1:32000

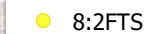
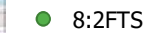


Legend



Soil PFC Other

8:2FTS 0-0,5 m-mv



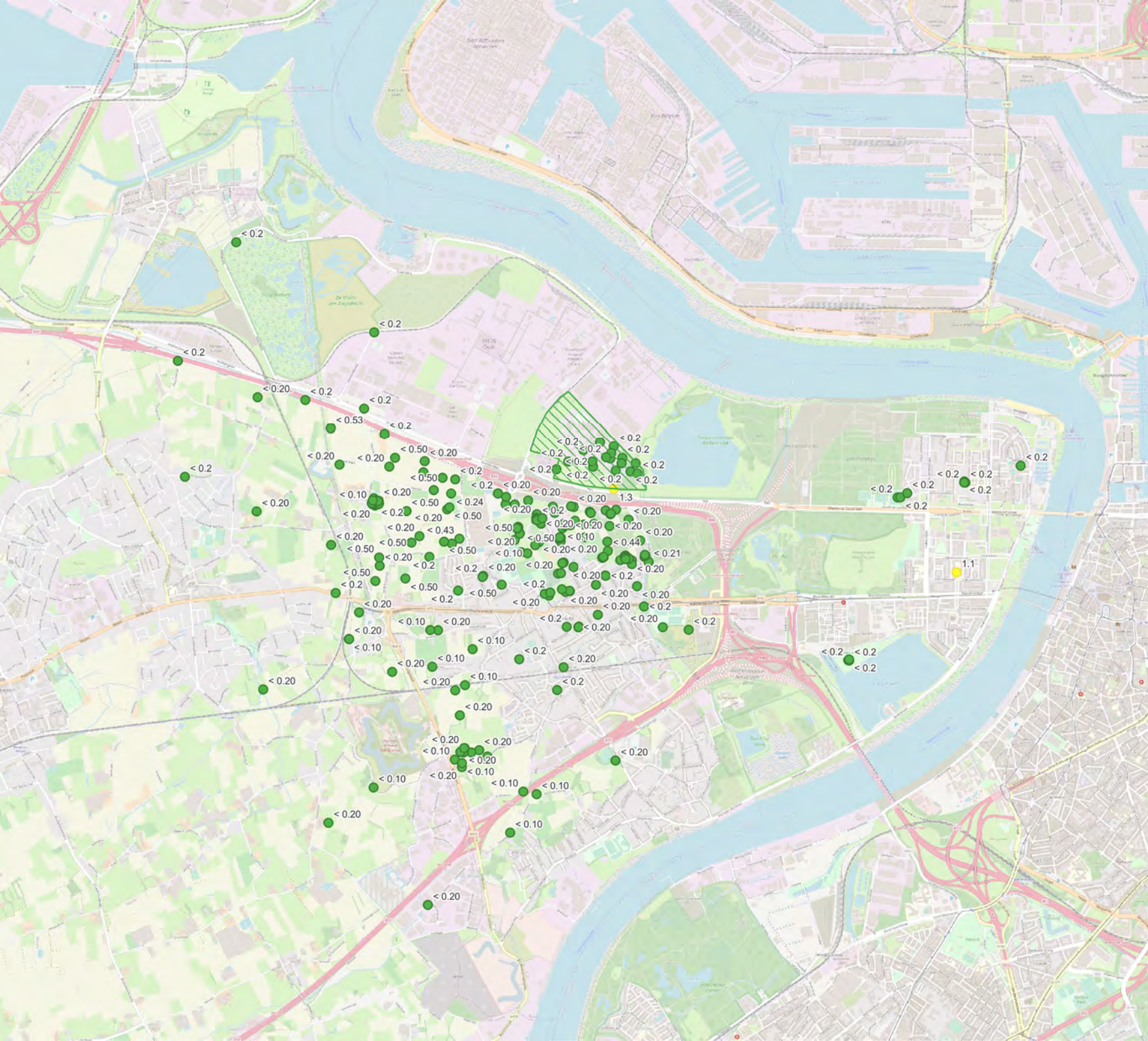
OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:

0.1 µg/kg ds


0.2 µg/kg ds

0.5 µg/kg ds



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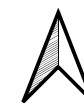
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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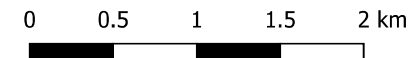
Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
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Phase: 1A off site	
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Scale: 1:32000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022
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Legend



Soil PFC Other

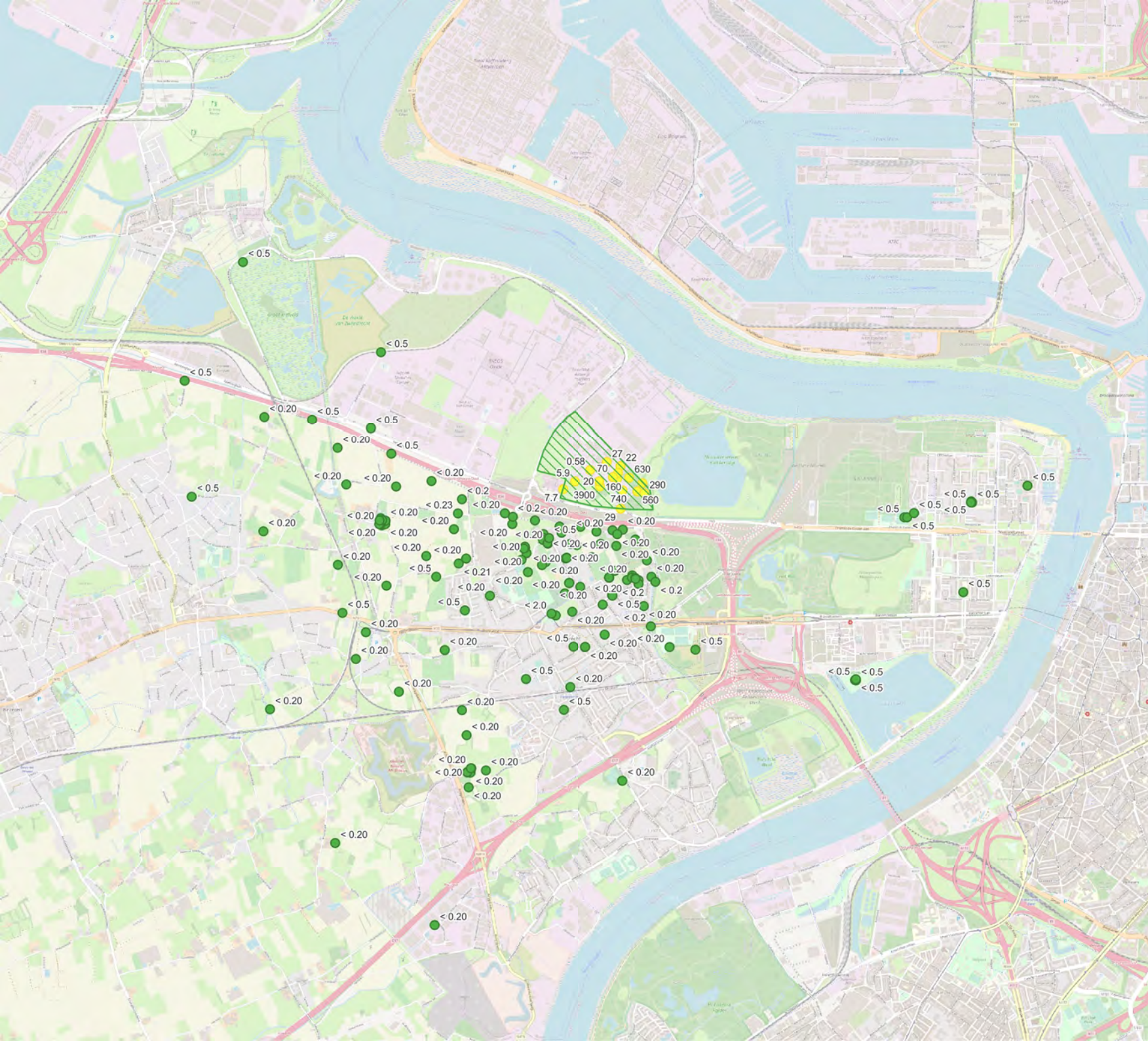
NMePFOSA 0-0,5 m-mv

● NMePFOSA < DL

● NMePFOSA > DL


OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.2 µg/kg ds
0.5 µg/kg ds



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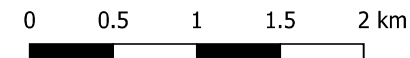
Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
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Phase: 1A off site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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Legend



Soil PFC Other

NETPFOSAA 0-0,5 m-mv

● NETPFOSAA < DL

● NETPFOSAA > DL

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.2 µg/kg ds
0.5 µg/kg ds

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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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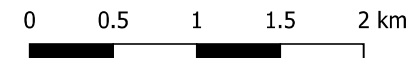
Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
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Phase: 1A off site	
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Scale: 1:32000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022
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Legend



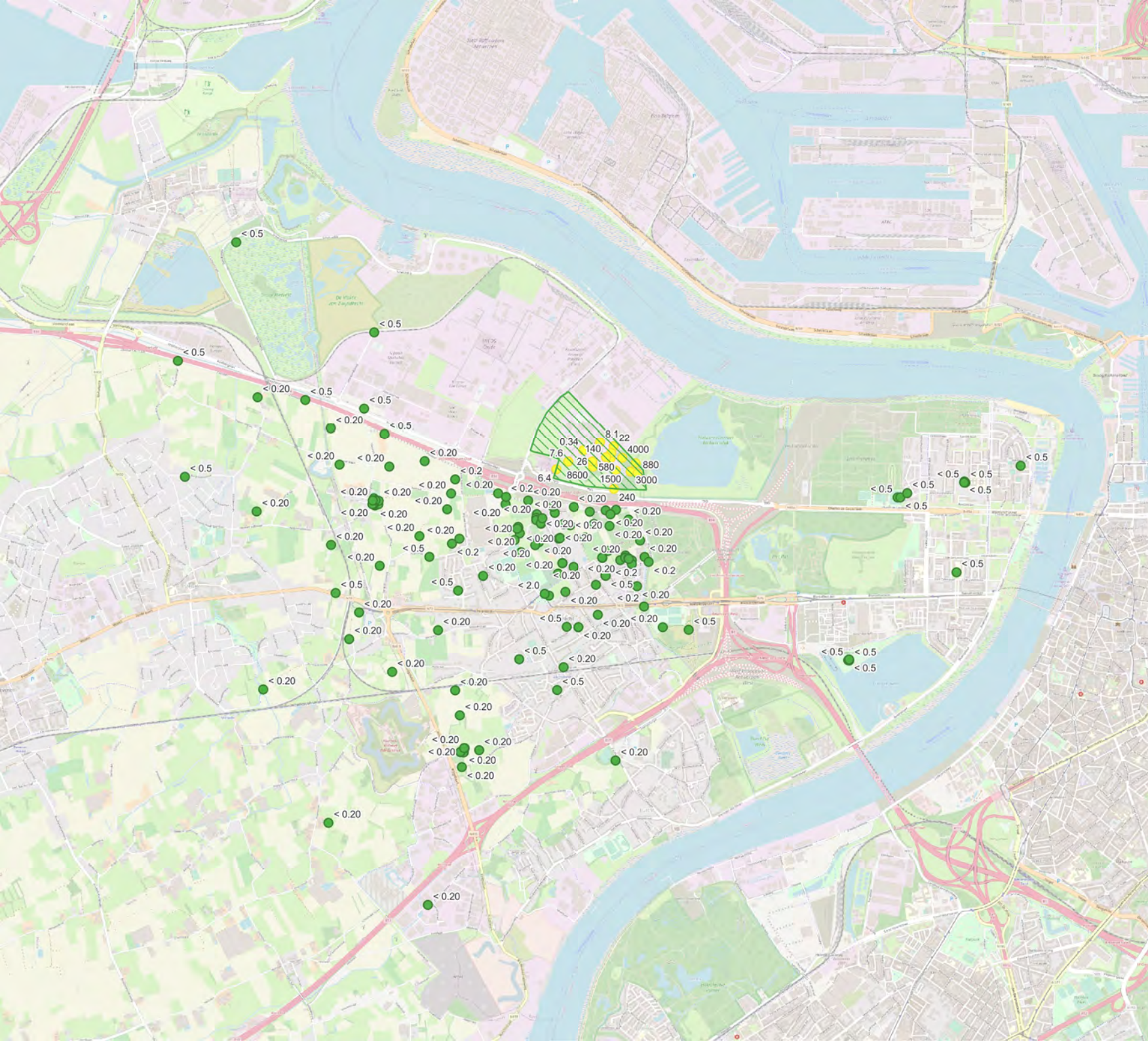
Soil PFC Other

EtPFOSA 0-0,5 m-mv

-  EtPFOSA < DL
-  EtPFOSA > DL


OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
 0.2 µg/kg ds
 0.5 µg/kg ds



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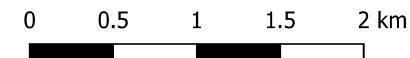
Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
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Phase: 1A off site	
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Scale: 1:32000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022
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Legend



Soil PFC Other

HxFPO_DA (GenX) 0-0,5 m-mv

● HxFPO_DA < DL

● HxFPO_DA > DL

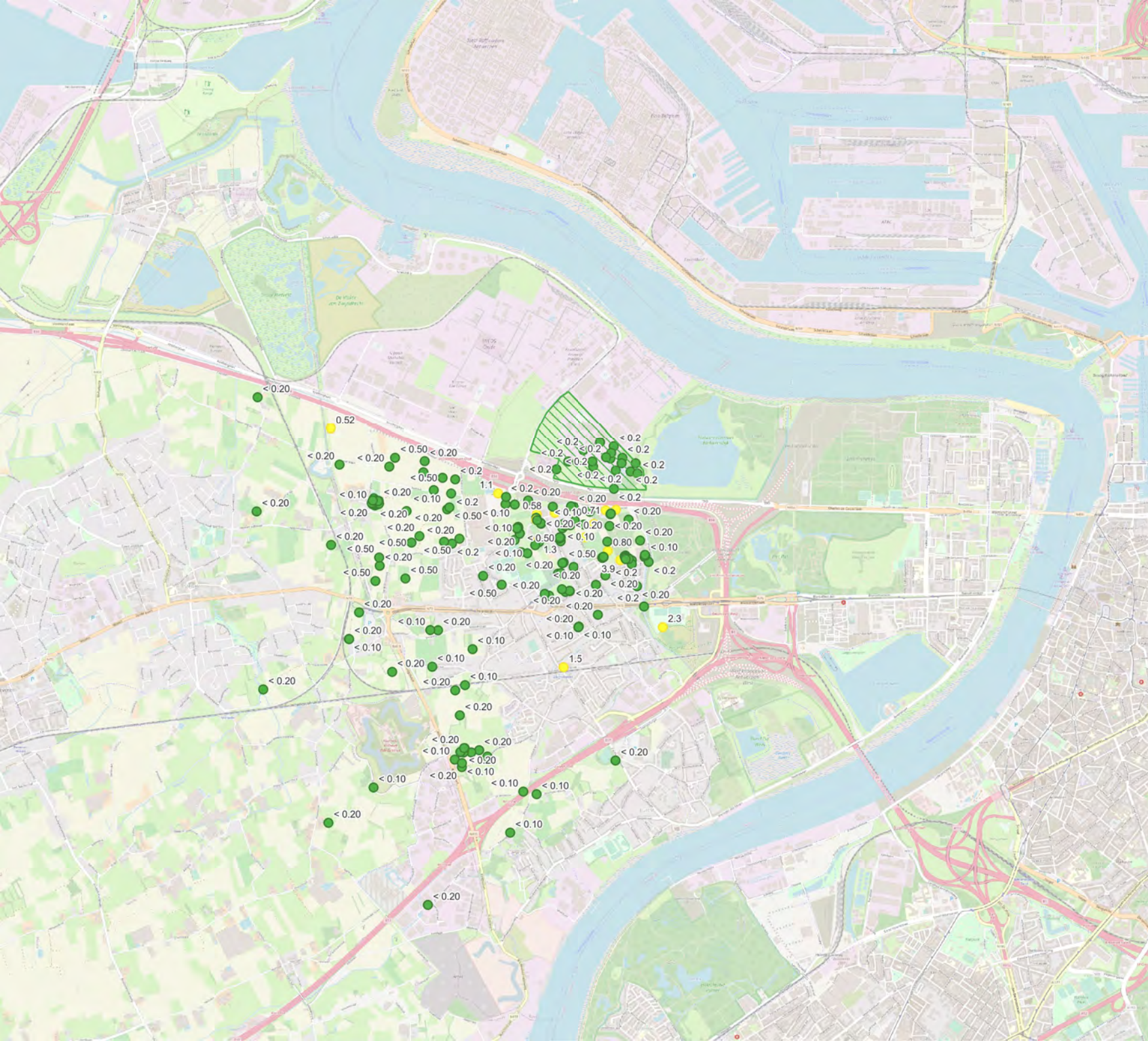
OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:

0.1 µg/kg ds


0.2 µg/kg ds

0.5 µg/kg ds



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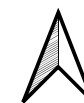
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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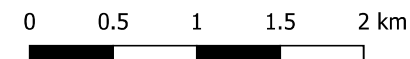
Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
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Phase: 1A off site	
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Scale: 1:32000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022
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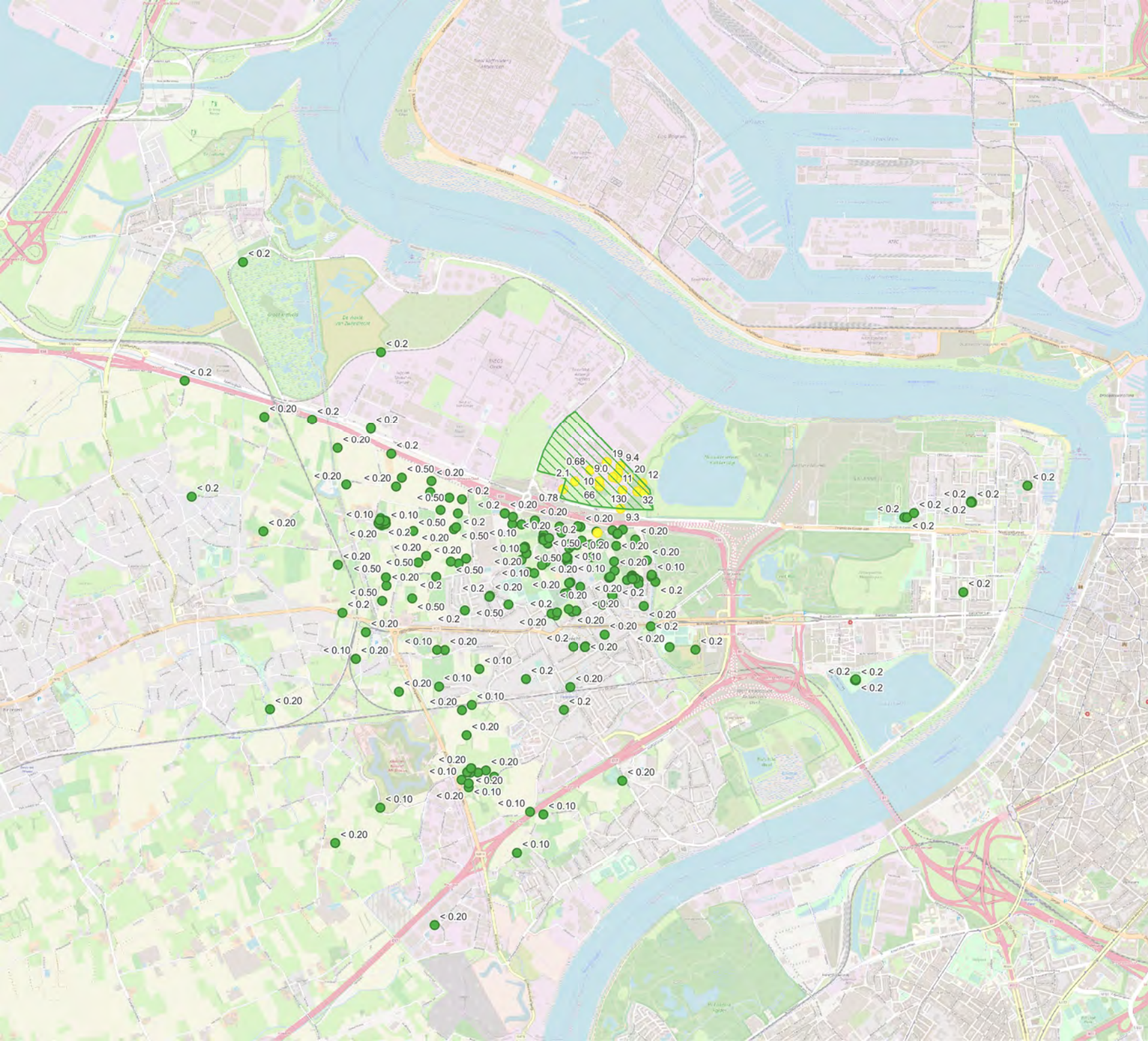
Soil PFC Other

PFDS 0-0,5 m-mv

● PFDS < DL

● PFDS > DL


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Detection Limit (DL) depends on the laboratory that performed the analyses:
0.1 µg/kg ds
0.2 µg/kg ds
0.5 µg/kg ds

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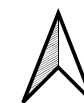
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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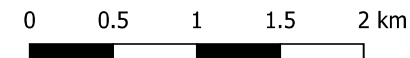
Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
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Phase: 1A off site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:32000



Legend

Site

Soil PFC Other

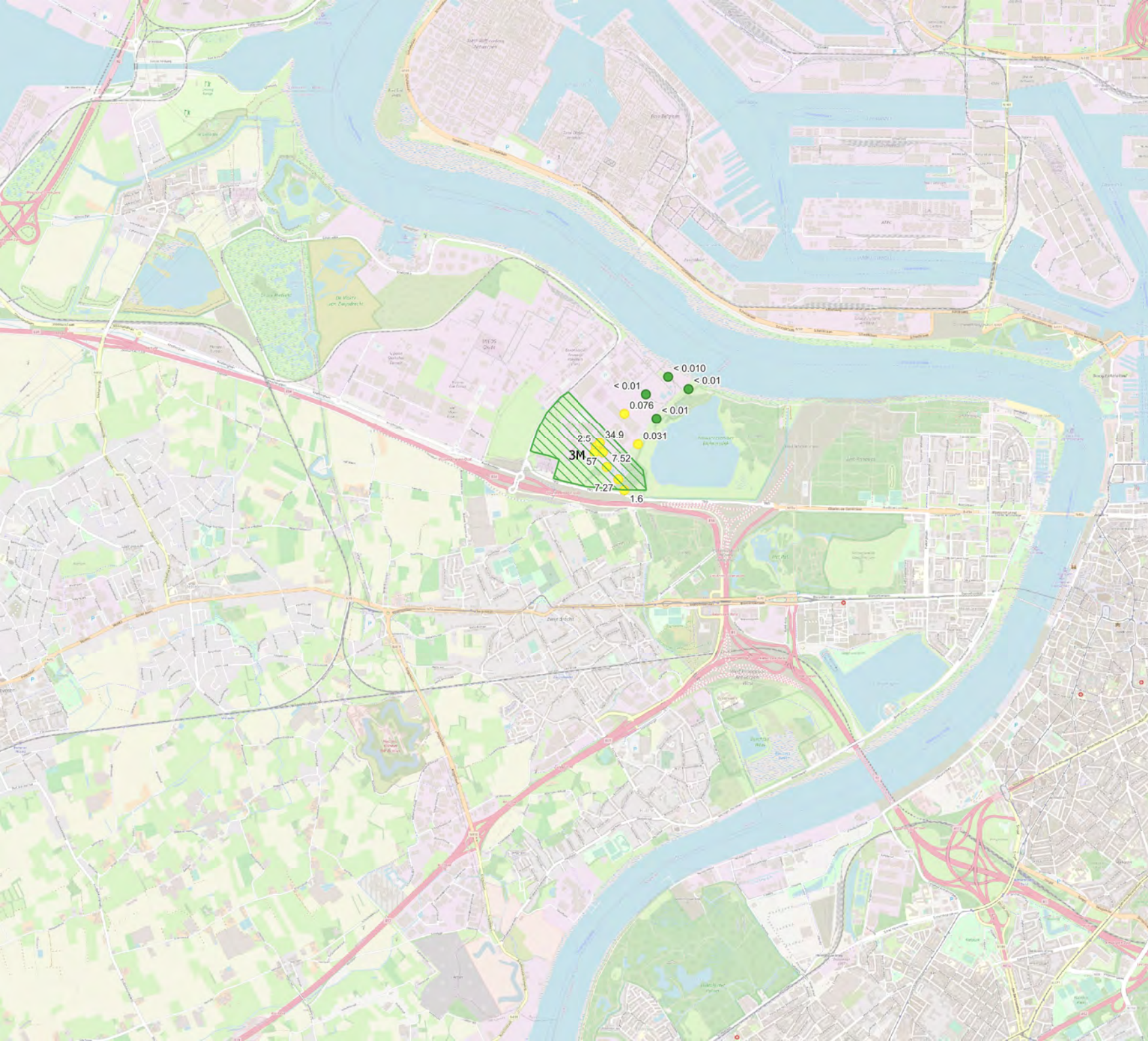
PFOSAA 0-0,5 m-mv

PFOSAA < DL

PFOSAA > DL

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Detection Limit (DL) depends on the laboratory that performed the analyses:
0.1 µg/kg ds



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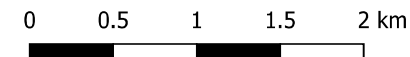
Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
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Phase: 1A off site	
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Scale: 1:32000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022
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Legend

 Site

OpenStreetMap

Perfluoro(37_dimethyloctanoic acid)
0-0,5 m-mv

Detection Limit (DL) depends on the laboratory that performed the analyses:
N/A

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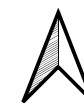


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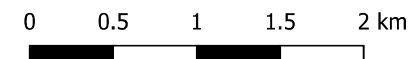
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
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Phase: 1A off site	Scale: 1:32000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022
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1:32000



Legend



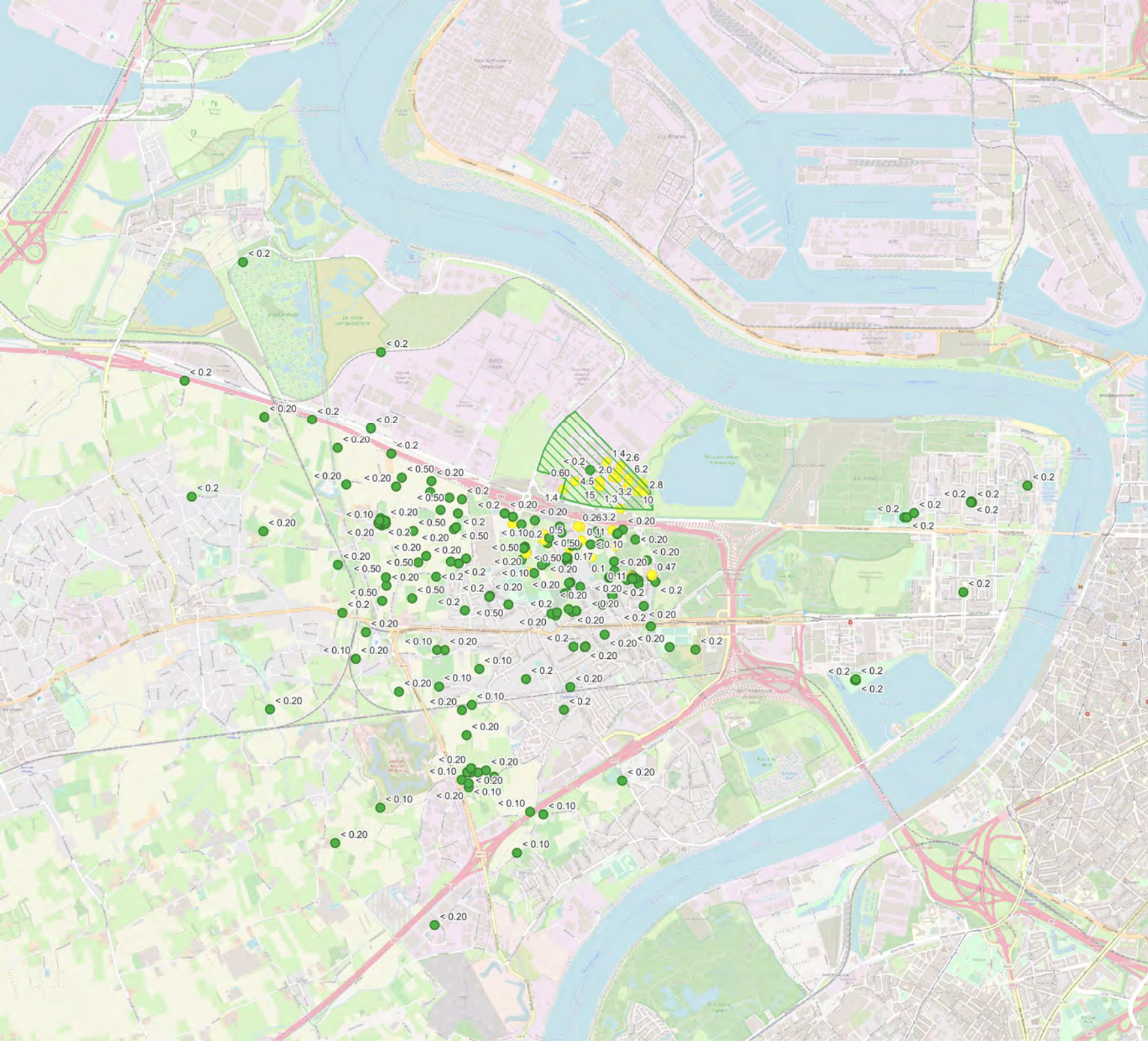
Soil PFC Other

PFHpS 0-0,5 m-mv

● PFHpS < DL

● PFHpS > DL


OpenStreetMap



Detection Limit (DL) depends on the laboratory that performed the analyses:
0.1 µg/kg ds
0.2 µg/kg ds
0.5 µg/kg ds

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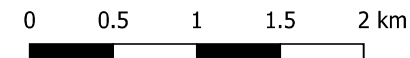
Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
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Phase: 1A off site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:32000



Legend



Soil PFC Other

PFDoDA 0-0,5 m-mv

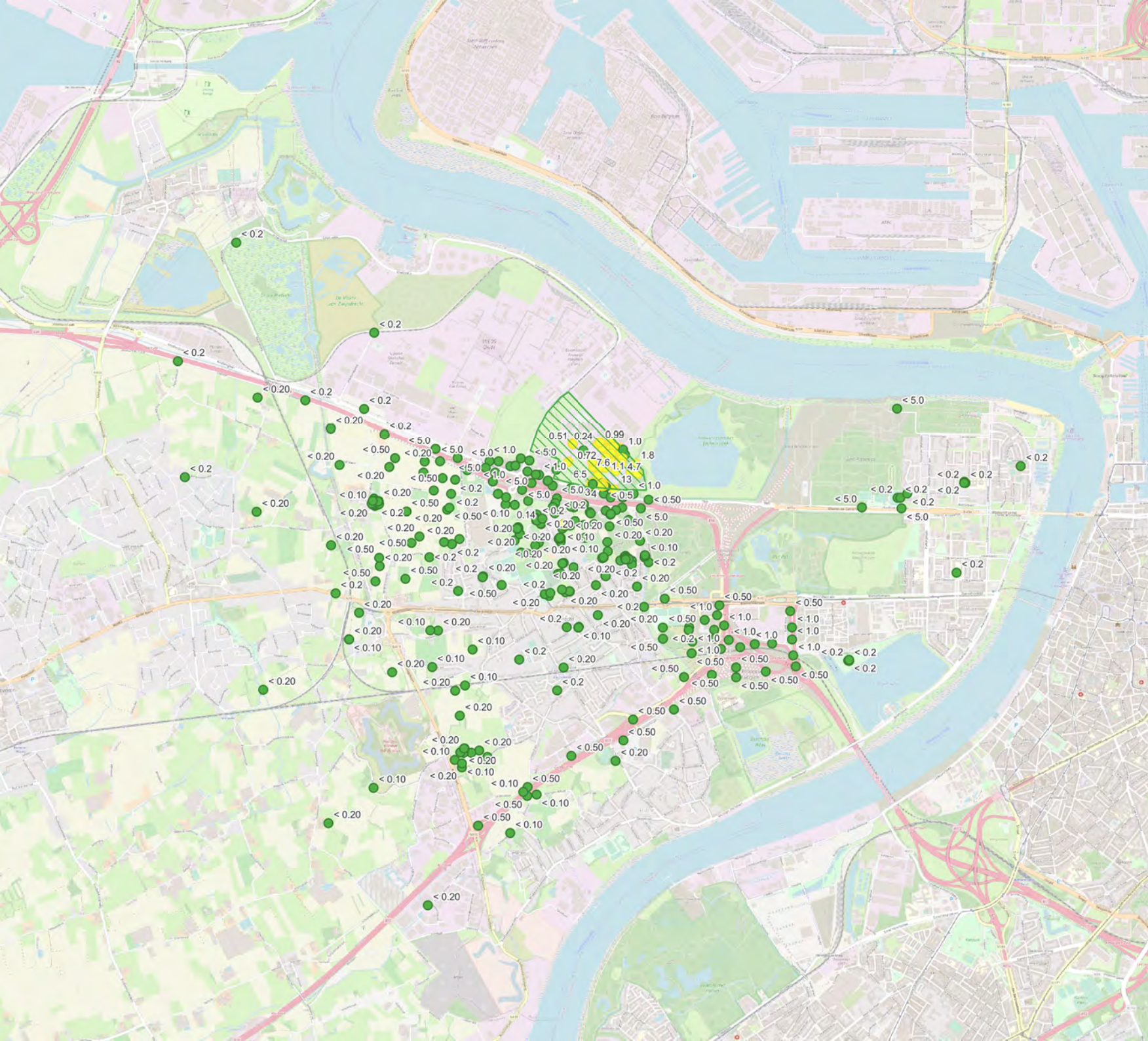
● PFDoDA < DL

● PFDoDA > DL

OpenStreetMap


Detection Limit (DL) depends on the laboratory that performed the analyses:

- 0.1 µg/kg ds
- 0.2 µg/kg ds
- 0.5 µg/kg ds
- 5.0 µg/kg ds



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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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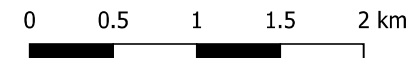
Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
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Phase: 1A off site	
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Scale: 1:32000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022
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1:32000



Legend



Soil PFC Other

PFD_{oDS} 0-0,5 m-mv

● PFD_{oDS} < DL


● PFD_{oDS} > DL

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.2 µg/kg ds
0.5 µg/kg ds

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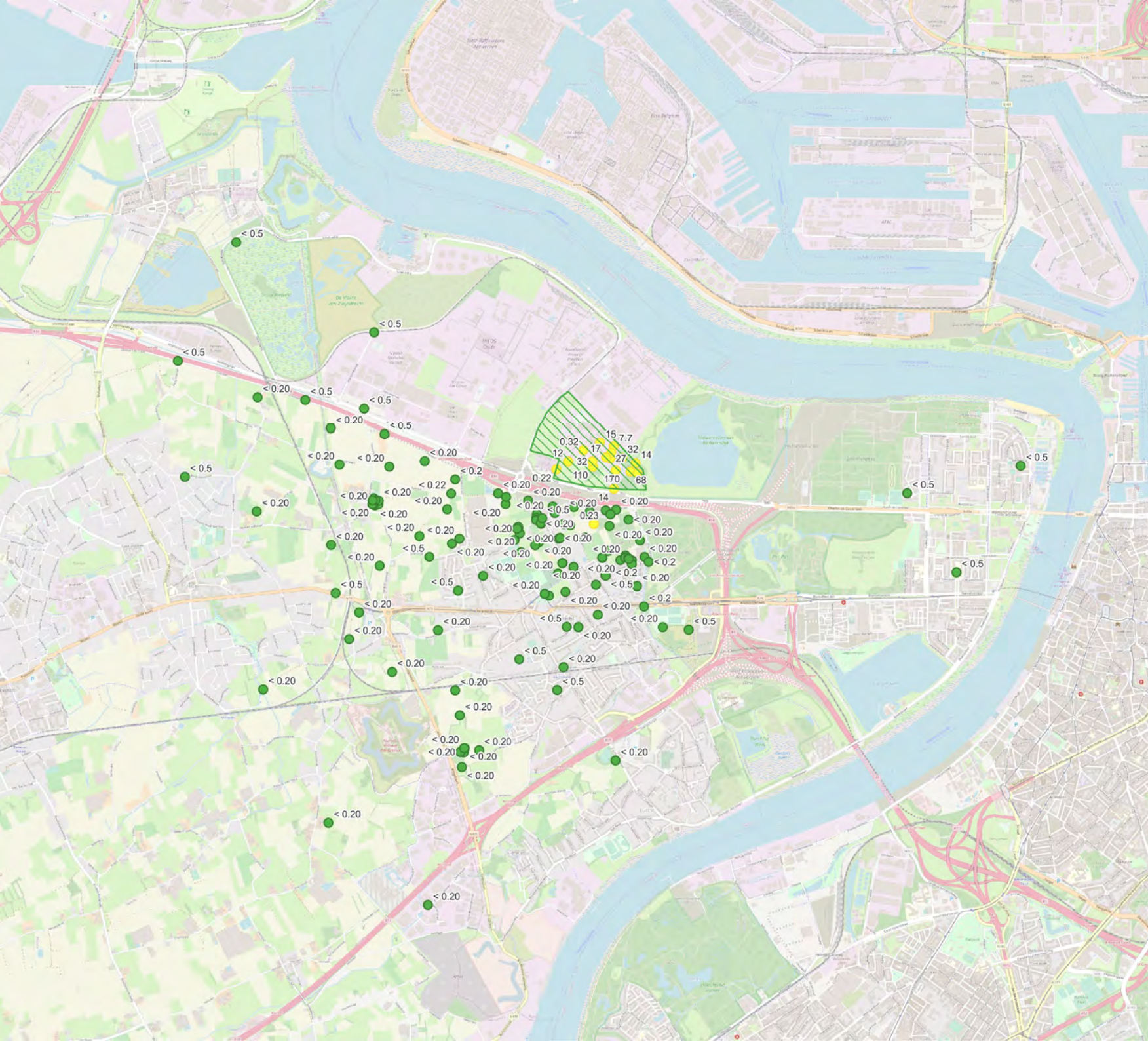


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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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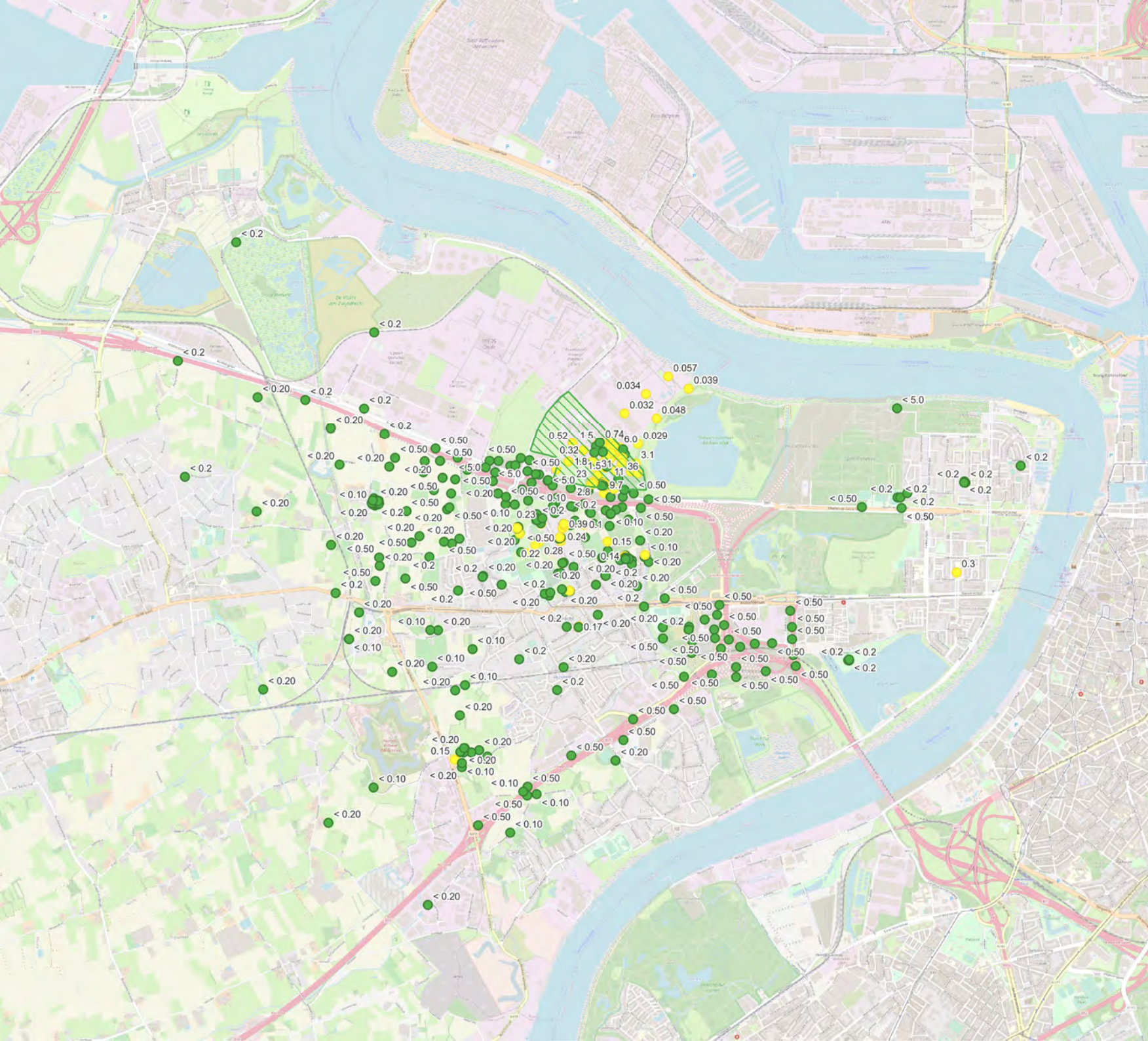
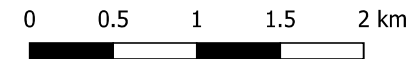
Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
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Phase: 1A off site	Scale: 1:32000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022
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Legend



Soil PFCA Other

PFDA 0-0,5 m-mv

- PFDA < DL
- PFDA > DL


OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:

- 0.015 µg/kg ds
- 0.1 µg/kg ds
- 0.2 µg/kg ds
- 0.5 µg/kg ds
- 5.0 µg/kg d

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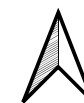


Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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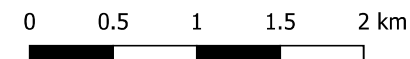
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
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Phase: 1A off site	Scale: 1:32000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022
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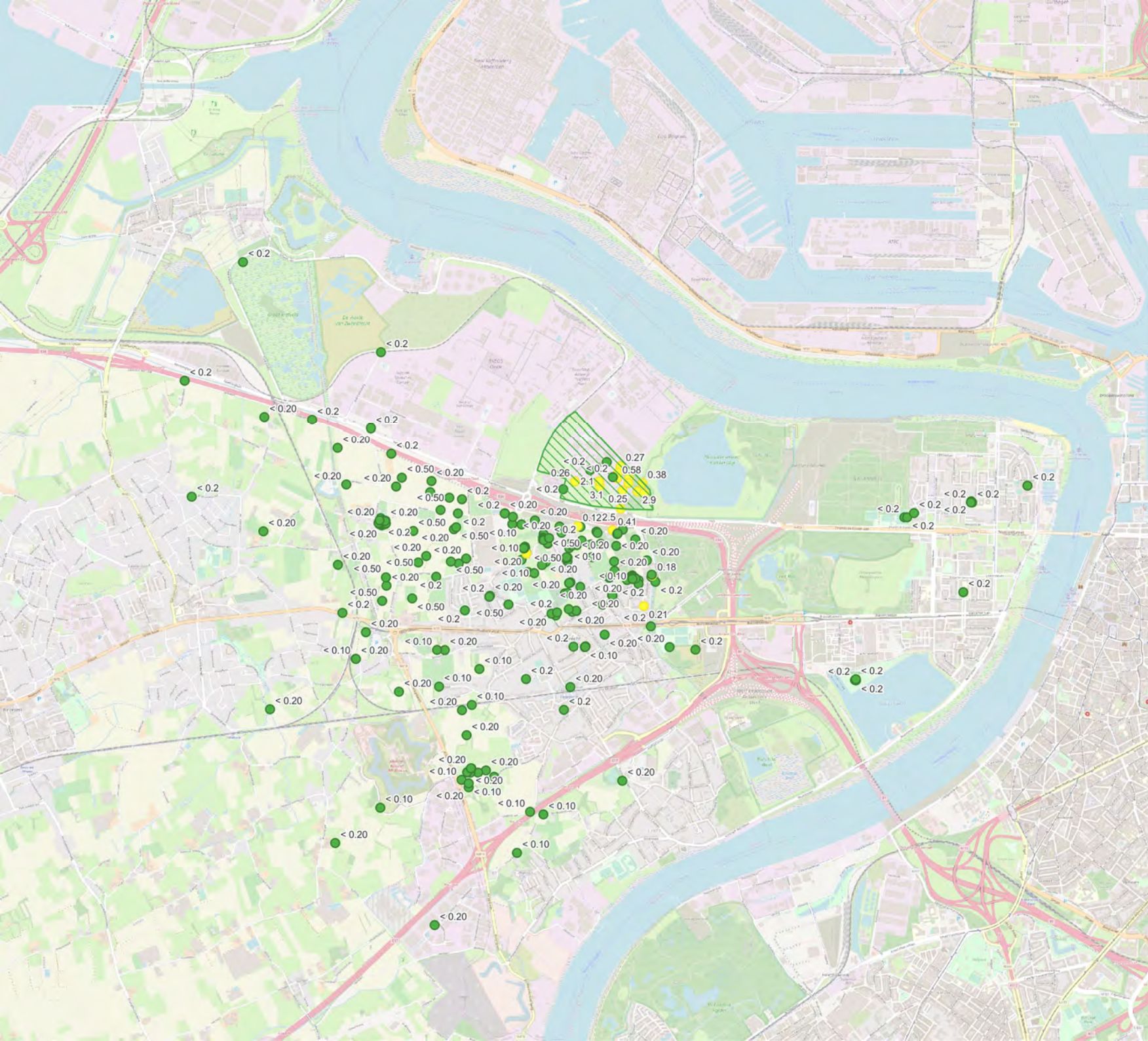
Soil PFC Other

PFPeS 0-0,5 m-mv

● PFPeS < DL

● PFPeS > DL


OpenStreetMap



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0.1 µg/kg ds
0.2 µg/kg ds
0.5 µg/kg ds

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Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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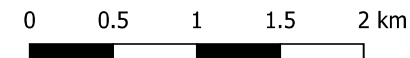
Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
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Phase: 1A off site	
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Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022
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1:32000



Legend



Soil PFC Other

PFODA 0-0,5 m-mv



OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
0.2 µg/kg ds
0.5 µg/kg

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Fax: +32 2 287 36 79



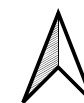
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
-------------------------	-------------------------------------------------------------------

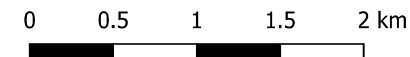
Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
------------	----------------------------------------------------------------------------

Phase: 1A off site	
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Scale: 1:32000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022
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1:32000



Legend



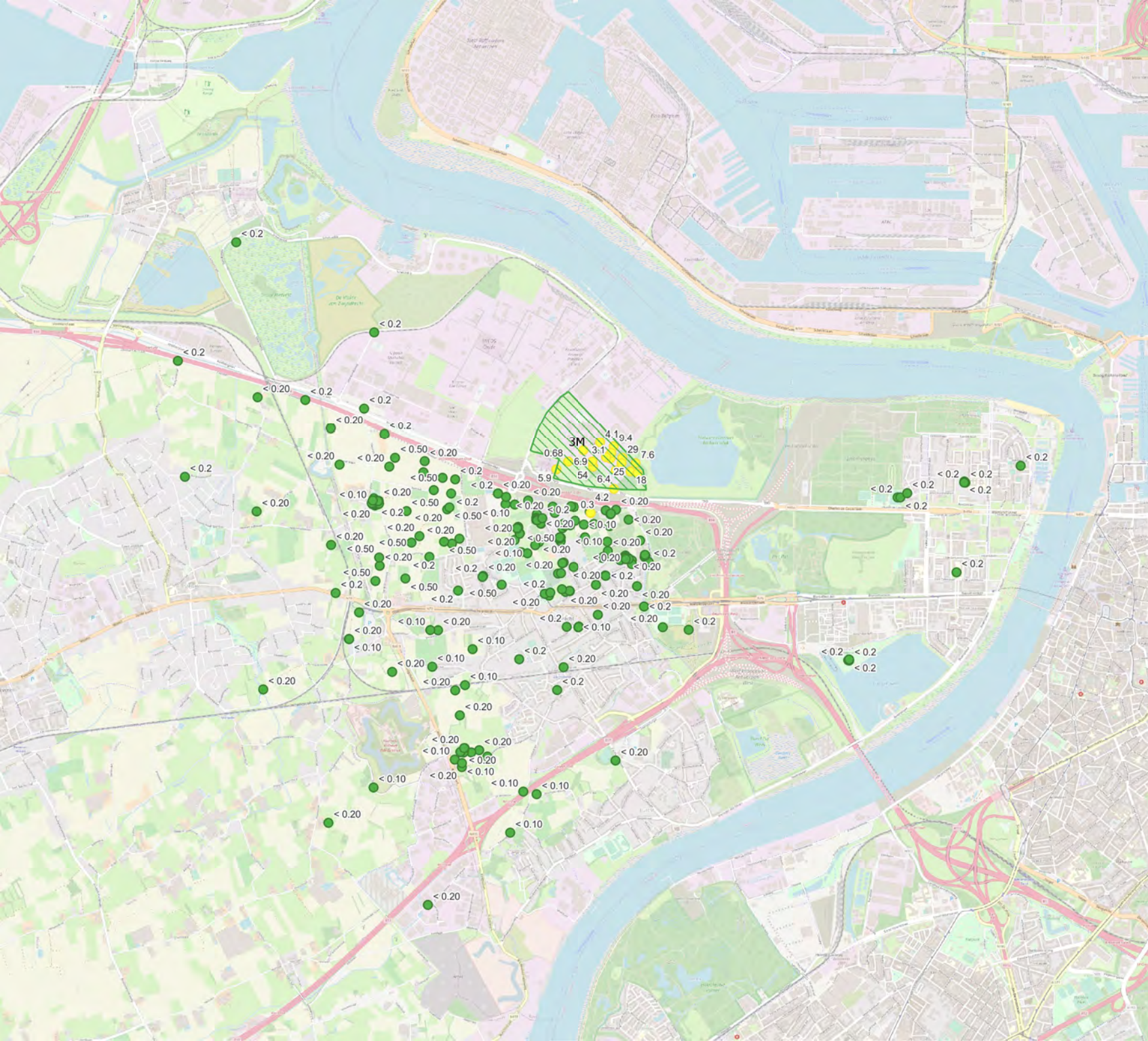
Soil PFC Other

PFNS 0-0,5 m-mv

- PFNS < DL
- PFNS > DL


OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:
 0.1 µg/kg ds
 0.2 µg/kg ds
 0.5 µg/kg ds



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Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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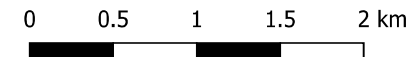
Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
------------	----------------------------------------------------------------------------

Phase: 1A off site	
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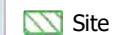
Scale: 1:32000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022
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1:32000



Legend



Soil PFC Other

PFHxDA 0-0,5 m-mv



OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:

0.1 µg/kg ds

0.2 µg/kg ds

0.5 µg/kg ds

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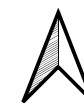
Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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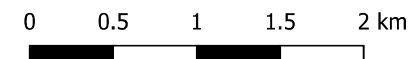
Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
---------------	-------------------------------------------------------------------------------

Phase: 1A off site	
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Scale: 1:32000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022
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1:32000



Legend



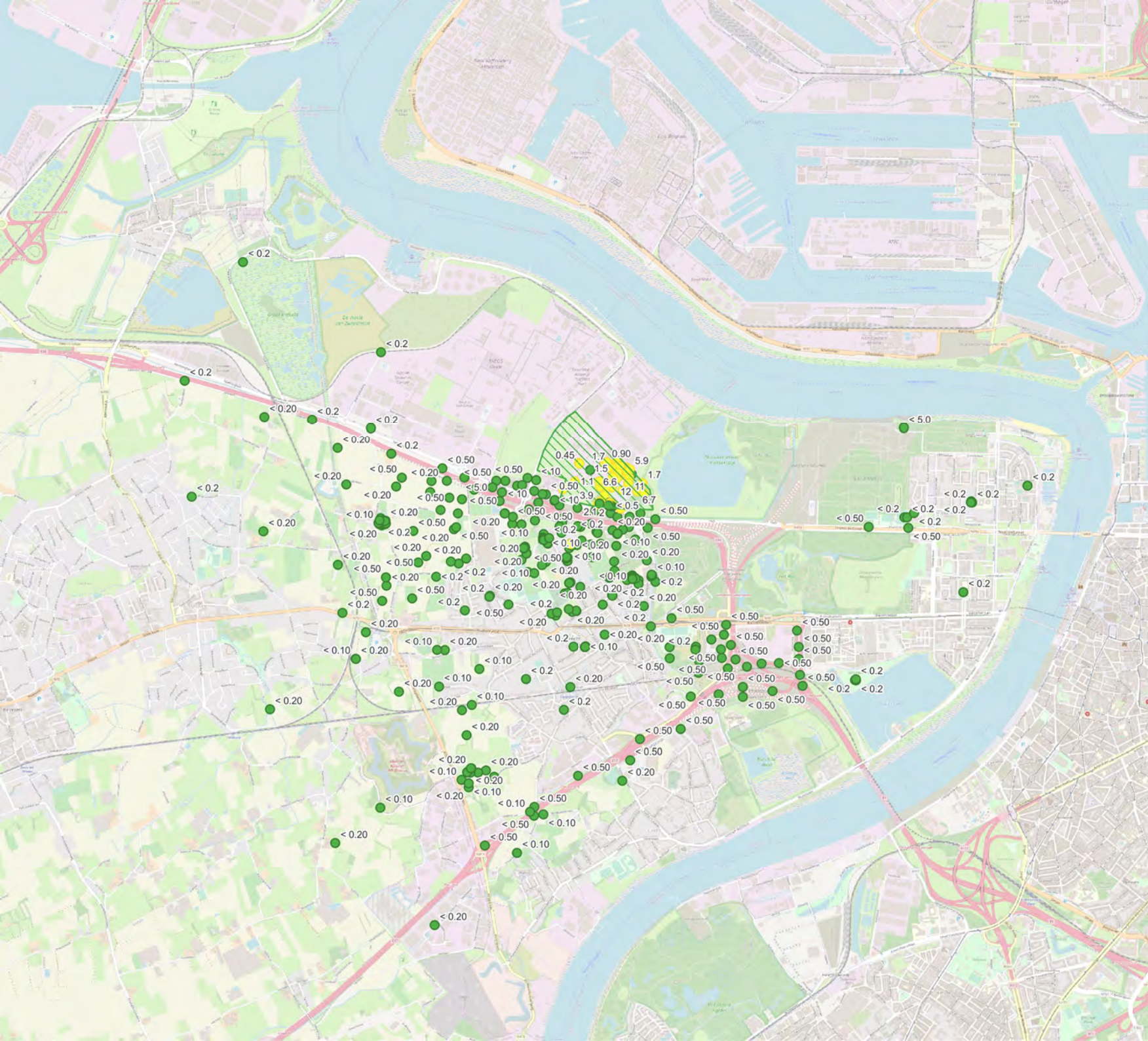
Soil PFC Other

PFUnDA 0-0,5 m-mv

● PFUnDA < DL

● PFUnDA > DL

OpenStreetMap



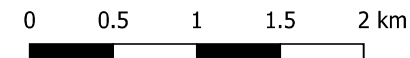
Detection Limit (DL) depends on the laboratory that performed the analyses:
0.1 µg/kg ds
0.2 µg/kg ds
0.5 µg/kg ds
10 µg/kg ds

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Client / Project Name: 3M		Location: Zwijndrecht, Belgium		
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).			
Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil			
Phase: 1A off site				
Scale: 1:32000	Page Size: A3	Filename:	Date: 8-2-2022	





1:32000



Legend



Soil PFC Other

PFTrDA 0-0,5 m-mv

● PFTrDA < DL

● PFTrDA > DL

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:

0.1 µg/kg ds

0.2 µg/kg ds

0.5 µg/kg ds

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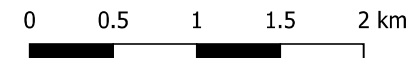
Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
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Phase: 1A off site	
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Scale: 1:32000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022
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1:32000



Legend



Soil PFC Other

PFTeDA 0-0,5 m-mv

● PFTeDA < DL

● PFTeDA > DL

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:

0.1 µg/kg ds

0.2 µg/kg ds

0.5 µg/kg ds

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Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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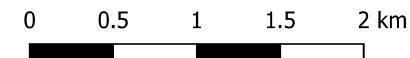
Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
---------------	-------------------------------------------------------------------------------

Phase: 1A off site	
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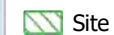
Scale: 1:32000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022
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1:32000



Legend



Soil PFC Other

PFPeA 0-0,5 m-mv

● PFPeA < DL

● PFPeA > DL

OpenStreetMap

Detection Limit (DL) depends on the laboratory that performed the analyses:

0.1 µg/kg ds

0.2 µg/kg ds

0.5 µg/kg ds

5.0 µg/kg d

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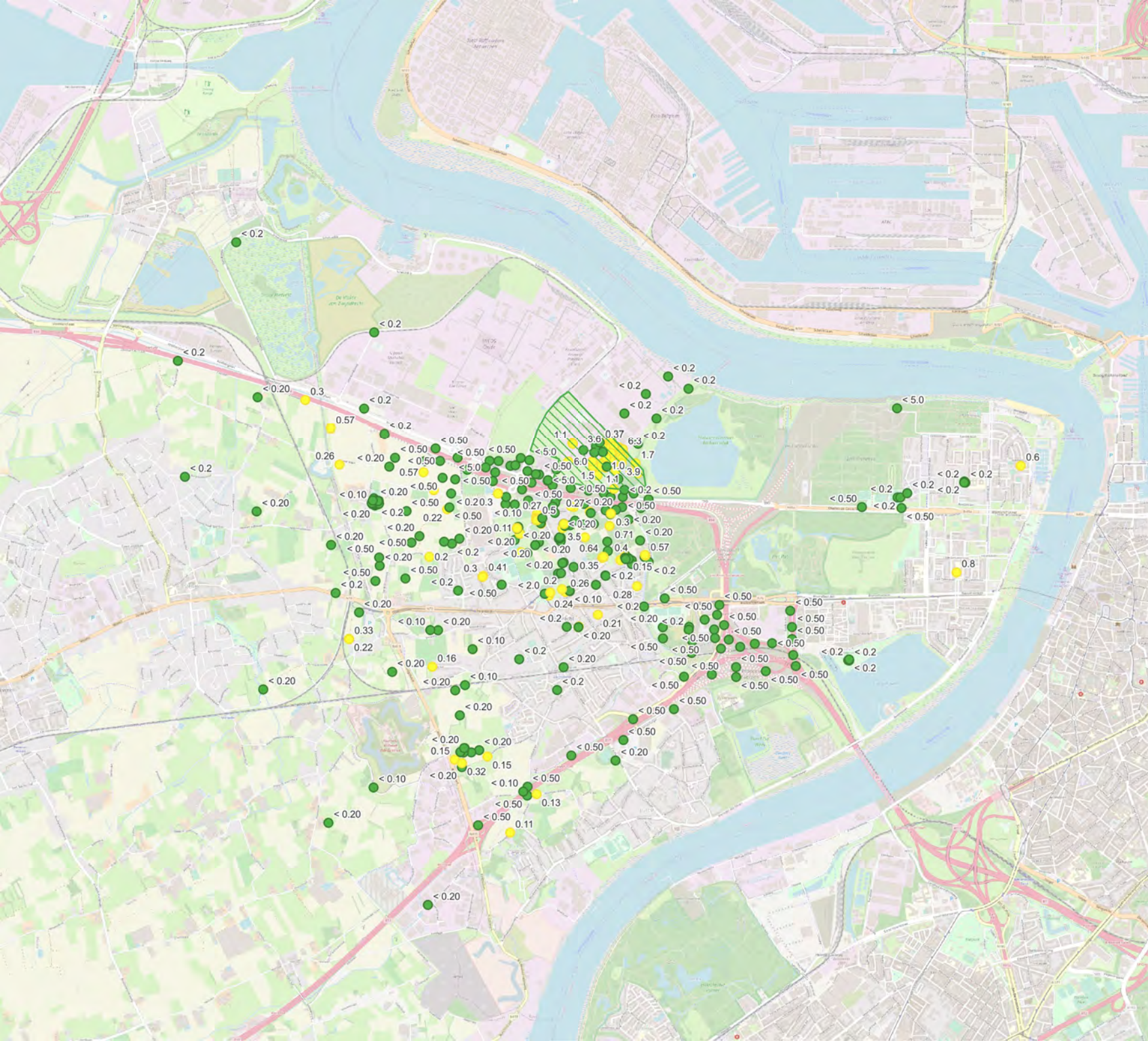


Client / Project Name: 3M	Location: Zwijndrecht, Belgium
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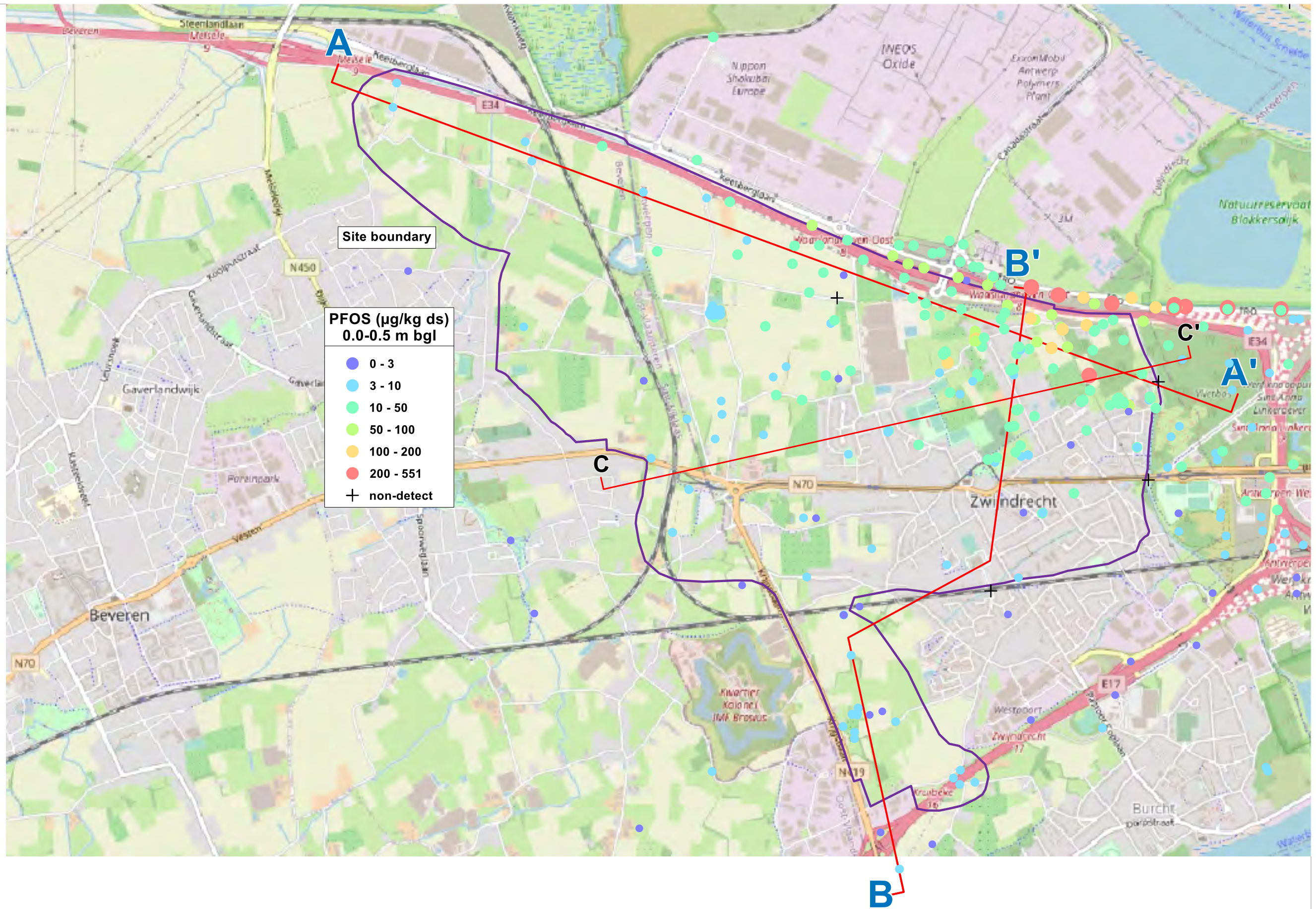
Project number: 0540247	Title: Actualisation of the Descriptive Site Investigation (DSI).
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Figure: 12	Description: Maps showing concentrations of non-COC PFAS compounds in soil
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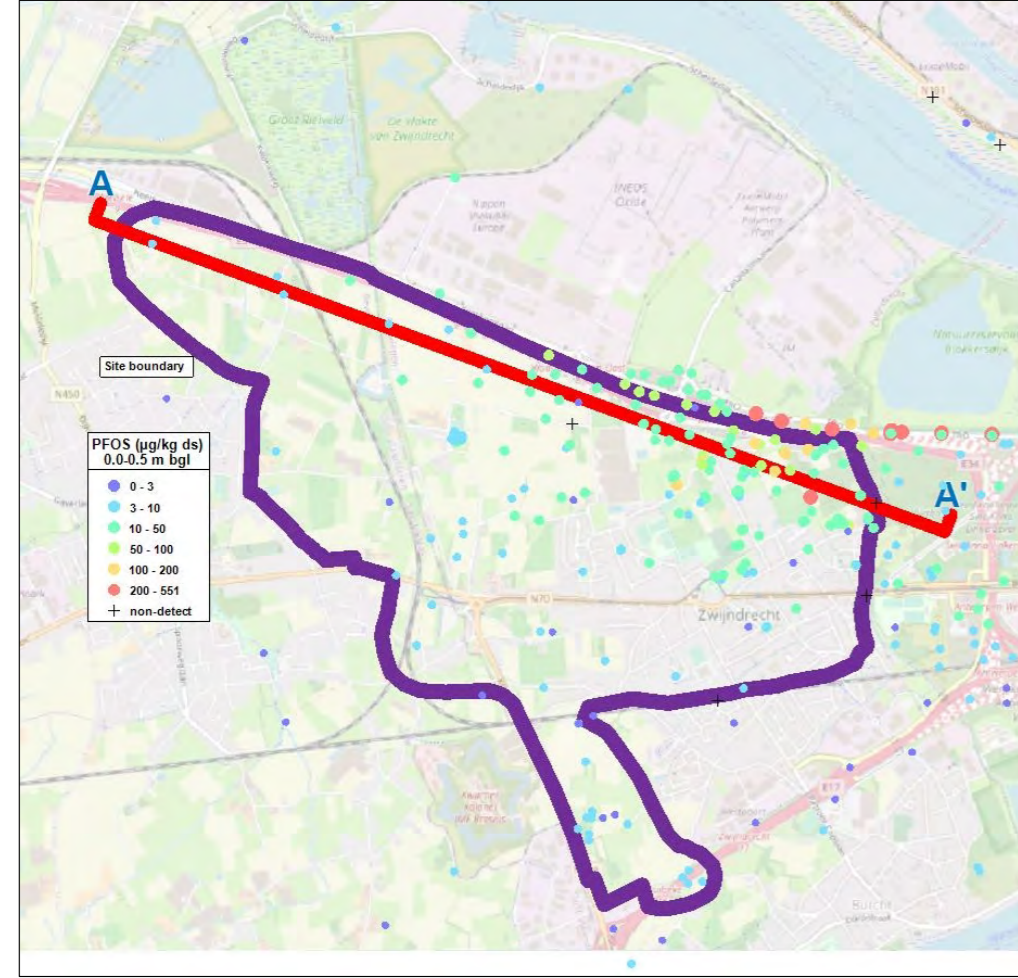
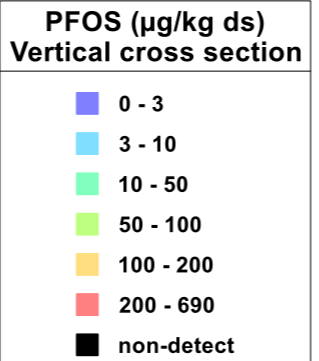
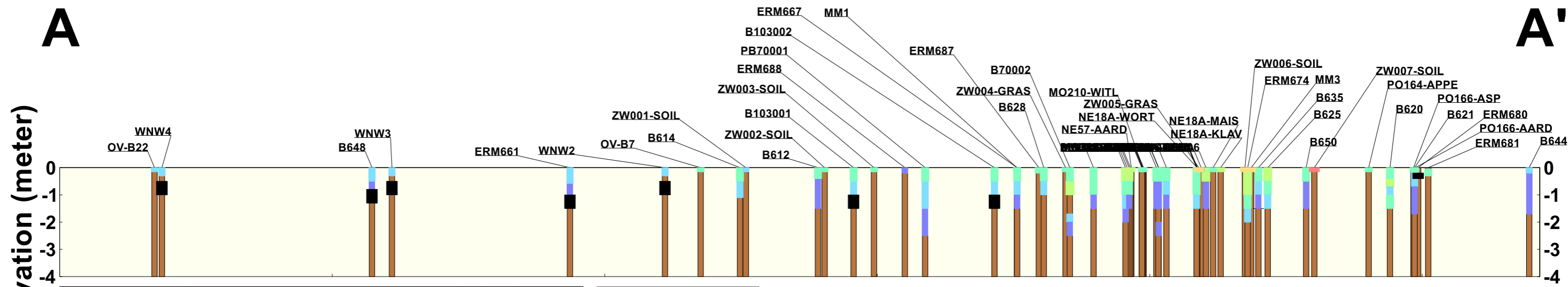
Phase: 1A off site	Scale: 1:32000	Page Size: A3	Filename: 0540247_DSI PFAS 3M_GW_1	Date: 8-2-2022
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FIGUUR 13 VERTICALE DOORSNEDE



Location cross sections A-A', B-B' and C-C'
PFOS

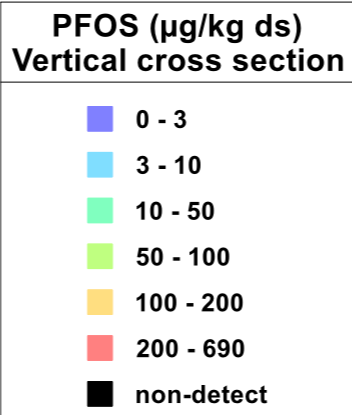
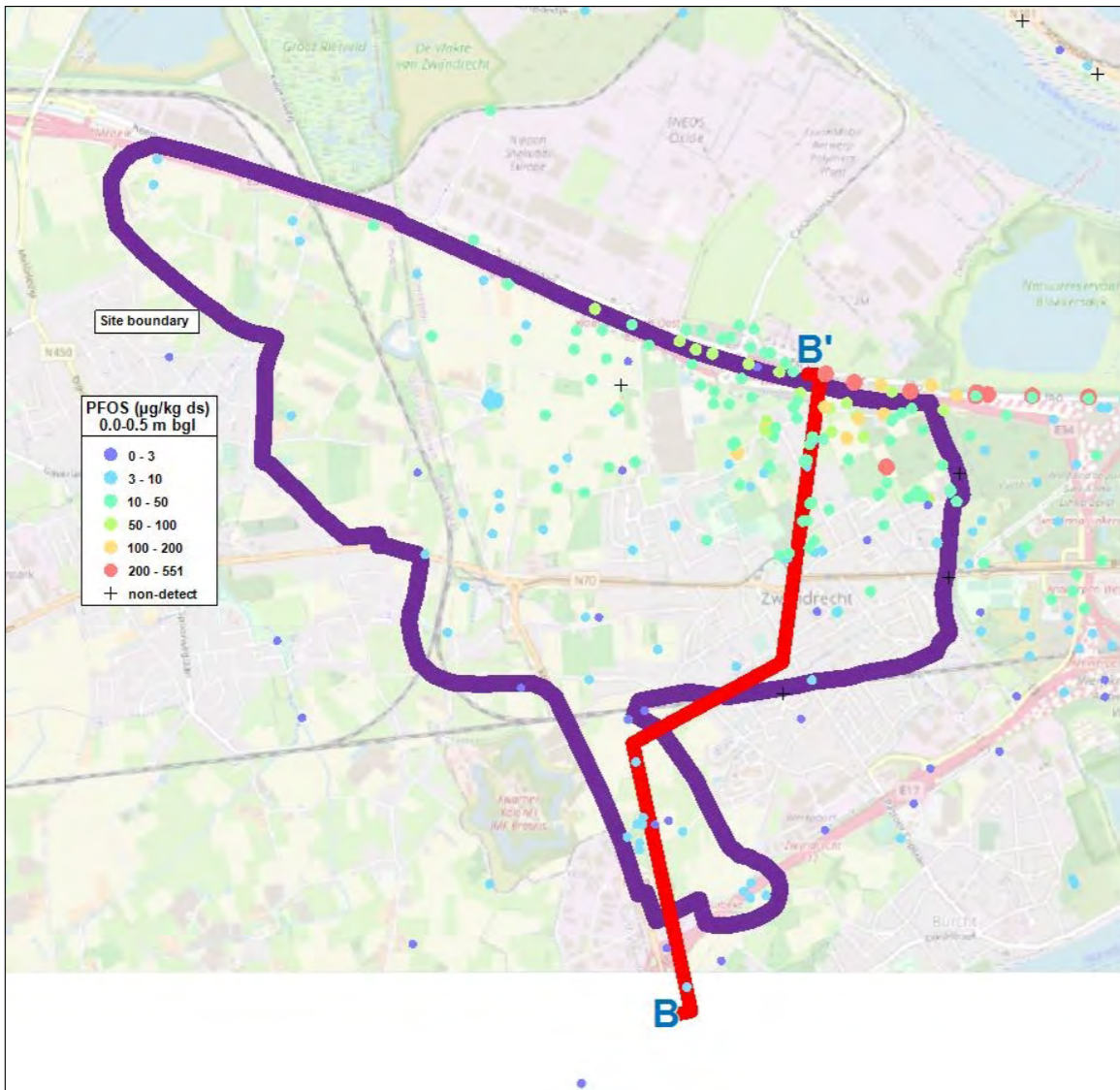
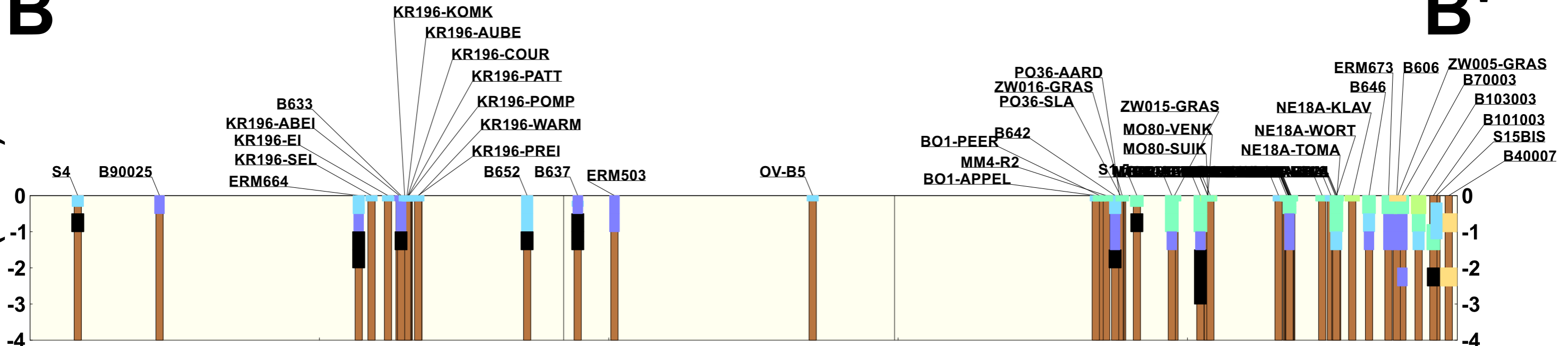


Vertical cross section A-A'
PFOS in soil

B

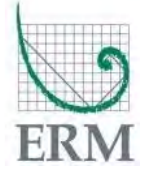
B'

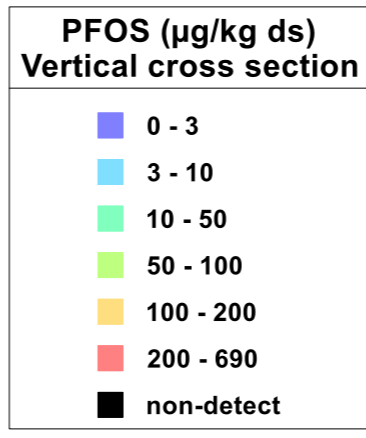
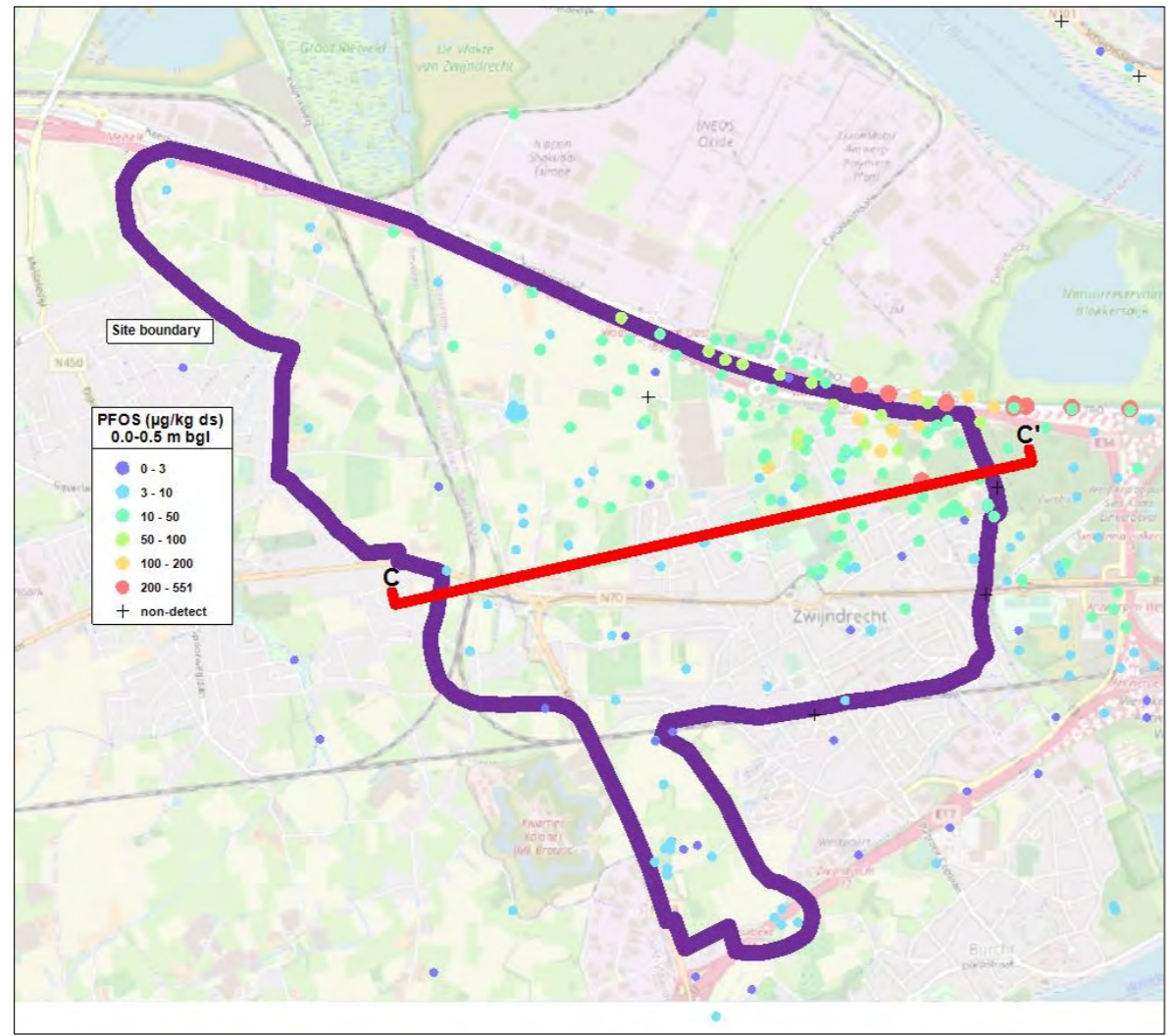
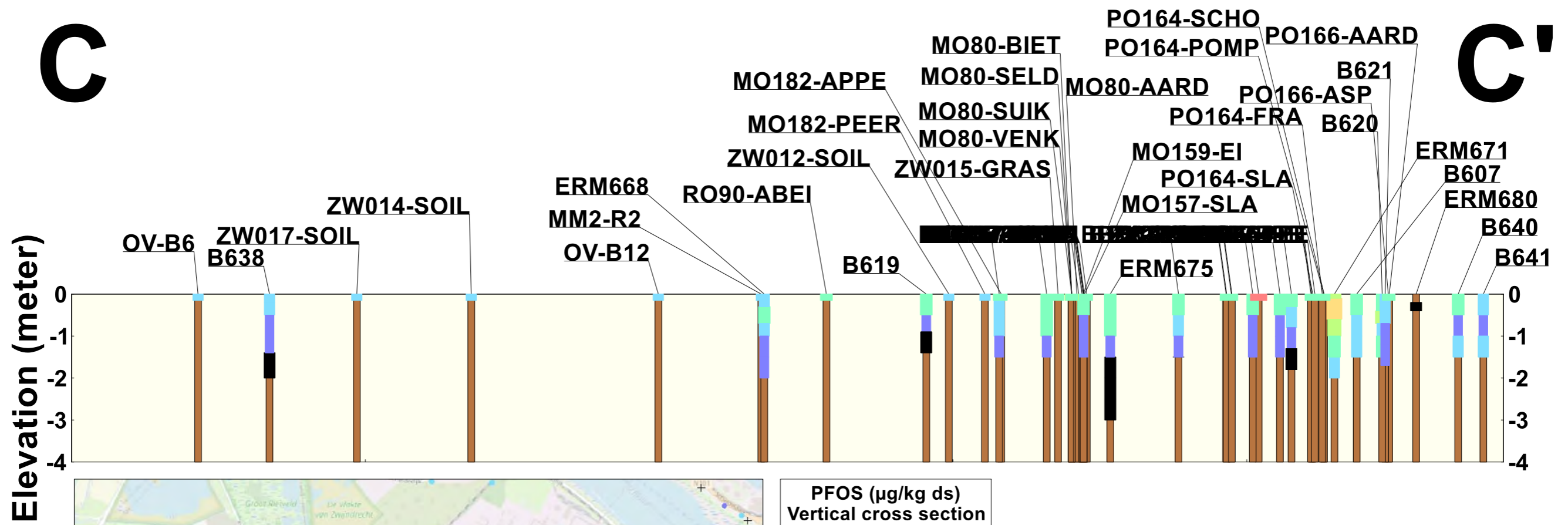
Elevation (meter)



Vertical cross section B-B'
PFOS in soil

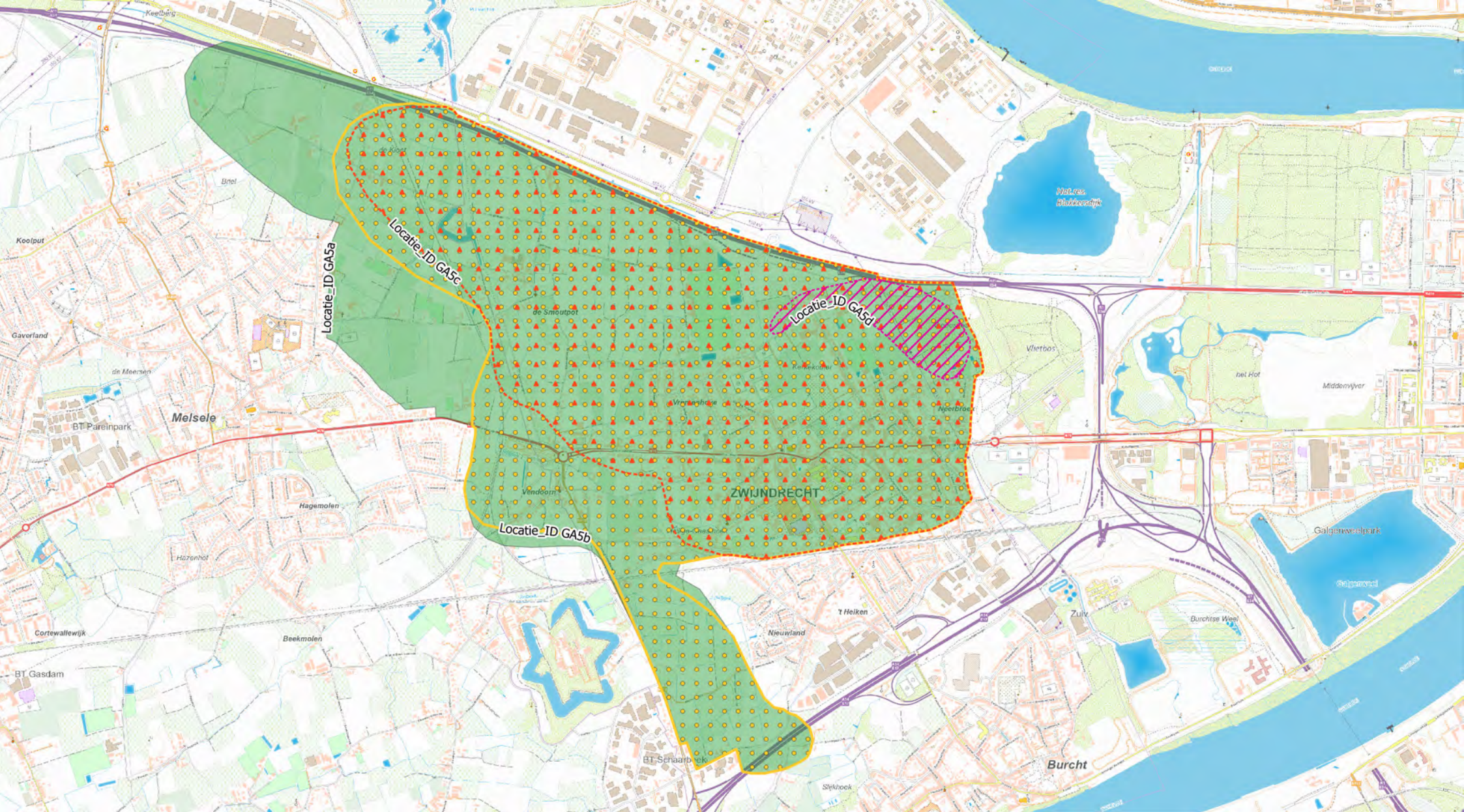
Vertical cross section B-B'



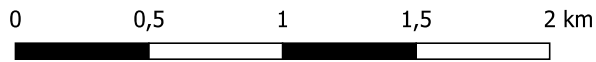


Vertical cross section C-C'
PFOS in soil

FIGUUR 14 GEBRUIKSADVIES



1:20000



Zones gebruiksadviezen (volle vlakken)

- GA5a
- GA5b
- GA5c
- GA5d

Opgemaakt door: RRU	Gecontroleerd door: JVL	Goedgekeurd door: DNU	Versie: V1	FINAL DRAFT
ERM N.V. Kantersteen 47 1000 Brussel Tel.: +32 2 550 02 80 Fax.: +32 2 287 36 79				
Opdrachtgever / Projectnaam: 3M		Locatie: Zwijndrecht, België		
Projectnummer: 0540247	Titel: Gebruiksadviezen			
Figuur: 14	Omschrijving: Aanduiding zones gebruiksadviezen			
Fase:				
Schaal: 1:20000	Papierformaat: A3	Bestandsnaam: 3M DSI Gebruiksadviezen	Datum: 7-2-2022	

ERM heeft meer dan 160 kantoren in de volgende landen en gebieden over de hele wereld

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Australië	Nieuw Zeeland
België	Noorwegen
Brazilië	Panama
Canada	Peru
Chili	Polen
China	Portugal
Colombia	Puerto Rico
Duitsland	Roemenië
Frankrijk	Rusland
Hong Kong	Singapore
India	Spanje
Indonesië	Taiwan
Ierland	Thailand
Italië	VAE
Japan	InS
Kazachstan	IC
Kenia	Vietnam
Maleisië	Zuid-Afrika
Mexico	Zuid-Korea
Mozambique	Zweden
Myanmar	Zwitserland

ERM

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