

NOTITIE

DUIFHUIZERWEG 15, UDEN

-  Omgevingsvergunning
-  Bestemmingsplanadvies
-  Bodemonderzoek
-  Geluidadvies
-  Luchtonderzoek

datum: 26 februari 2020
 project: 20.901
 onderwerp: Geurnotitie
 referentie: 20.901-002 (Geurnotitie)

Voor de geplande ruimtelijke ontwikkeling ter plaatse van Duifhuizerweg 15 te Uden, wenst de gemeente Uden inzicht krijgen in de geursituatie, voordat hierover een besluit wordt genomen.

Voorgenomen ontwikkeling

De historische woonboerderij aan de Duifhuizerweg 15 zal worden gerestaureerd en worden uitgebreid op de bestaande fundering. Tevens wordt er een aparte berg-/stallingsruimte worden gerealiseerd.

Doelstelling

In de nabijheid van de voorgenomen ontwikkeling liggen verschillende veehouderijen. Beoordeeld dient te worden of voldaan wordt aan de eisen met betrekking tot een 'goede ruimtelijke ordening' wat betreft het aspect geur. Daarbij dient antwoord gegeven te worden op de volgende twee vragen:

- Worden de nabijgelegen veehouderijen niet onevenredig in hun belangen geschaad? (belangen veehouderij en derden)?
- Wordt er ter plaatse van de te realiseren geurgevoelige objecten een goed woon- en verblijfsklimaat gegarandeerd? (belang geurgevoelig object)?

De gemeente Uden heeft op 31 maart 2016 een gemeentelijke geurverordening vastgesteld. Hierbij is tevens een afwijkende minimale afstandseis opgenomen voor veehouderijen, waar dieren worden gehouden behorende tot een diercategorie waarvoor in de ministeriële regeling geen geuremissiefactor is vastgesteld.

Tabel 1: Minimale afstanden tot geurgevoelig object.

Aantal melk-, kalf- en rundvee > 2j	Afstand tot geurgevoelig object buiten de bebouwde kom (in meters)		
	Traditionele huisvesting	> 50% dieren emissie arm	Geheel emissiearm
0-200	50	50	50
201-300	100	75	50
301-400	170	130	90
401-500	200	150	100
> 501	230	180	130

Beleidsregel ruimtelijke plannen 2016 gemeente Uden:

De gemeente Uden heeft op 31 maart 2016 'Beleidsregel geur en ruimtelijke plannen 2016 gemeente Uden' vastgesteld. Hierin zijn de waarden voor het criterium 'een aanvaardbaar woon- en leefklimaat' voor het aspect cumulatieve geurhinder uit de stallen van de veehouderijen vastgelegd (voor- en achtergrondbelasting).

Tabel 2: Normering beleidsregel geur en ruimtelijke plannen 2016.

Gebied	Goed [ou _E /m ³]	Afweegbaar [ou _E /m ³]	Slecht [ou _E /m ³]
Overgangsgebied			
Voorgrondbelasting	0 - 5	5 – 8	> 8
Achtergrondbelasting	0 - 10	10 – 14	> 14

Geurbelasting

Met de berekening van de geurbelasting wordt onderzocht of de belangen van de omliggende veehouderijen worden geschaad. De veehouderijen in een straal van 2 kilometer van het plangebied worden onderzocht. Voor deze berekeningen wordt per veehouderij gebruik gemaakt van één fictief emissiepunt dat de gehele geuremissie van de veehouderij omvat. Dit emissiepunt wordt op het dichtstbijzijnde punt van het bouwblok gepositioneerd, zo dicht mogelijk bij het betreffende geurgevoelige object in het plangebied. De berekeningen worden uitgevoerd met V-stacks vergunning, conform het "worst –case scenario", waarbij met standaardwaarden van het emissiepunt moet worden gerekend.

Milieukwaliteit:

Voor de toetsing van een aanvaardbaar woon-/leefklimaat heeft de provincie Noord-Brabant, de omgevingsdiensten en de GGD de 'Handreiking veehouderij en volksgezondheid 2.0' opgesteld. Hierin zijn de maximale voor- en achtergrondbelasting opgenomen.

Tabel 3: Normering woon-leefklimaat.

% geurgehinderden	geurbelasting in concentratiegebied	
	voorgondbelasting	achtergrondbelasting
12 % (woonkern)	5 ouE /m ³	10 ouE /m ³
20 % (buitengebied)	10 ouE /m ³	20 ouE /m ³

De bovenstaande waarden gelden alleen binnen concentratiegebieden, voor buiten de concentratiegebieden gelden andere waarden.

Invoergegevens

Voorafgaand aan de berekeningen zijn, aan de hand van de gegevens van provincie Noord-Brabant en de gemeenten Uden en Meierijstad, relevante veehouderijen in een straal van 2 kilometer rondom het plangebied geselecteerd.

Voor de berekeningen voor de voor- en achtergrondbelasting een 9 meetpunten (MP01 t/m MP09) rondom de ruimtelijke gepositioneerd.

Resultaten

Resultaten afstandsbepaling

De dichtstbijzijnde veehouderij, Duifhuizerweg 9, is noordwestelijk van de onderzoekslocatie gelegen. Hier worden 318 stuks rundvee gehouden waarvoor in de ministeriële regeling géén geuremissiefactor is vastgesteld. Conform de geurverordening van de gemeente Uden dient de minimale afstand tussen de gevel van een geurgevoelig object en de dichtbijzijnde gevel van een dierenverblijf van de veehouderij minimaal 170 meter te bedragen.

De afstand tussen het bouwblok op de onderzoekslocatie en de grens van de bouwblok van deze veehouderij bedraagt minimaal 190 meter.

Resultaten voorgondbelasting:

Uit deze berekeningen blijkt dat de veehouderij op de Torenweg 3 de meeste geurbelasting op de plangebied veroorzaakt. Deze locatie is gebruikt voor de bepaling van de voorgondbelasting.

Uit de berekening van de voorgrondbelasting (zie onderstaande tabel) van de veehouderij aan de Torenweg 3 op het plangebied blijkt dat deze maximaal 5,6 ou_E /m³ bedraagt.

Tabel 4: Resultaat voorgrondbelasting
Brongegevens:

Volgnr.	BronID	X-coord.	Y-coord.	EP Hoogte	Gem.geb. hoogte	EP Diam.	EP Uittr. snelh.	E-Aanvraag
1	Torenweg 3	169 558	405 566	6,0	6,0	0,50	4,00	33 862

Geur gevoelige locaties:

Volgnummer	GGLID	Xcoördinaat	Ycoördinaat	Geurnorm	Geurbelasting
2	MP01	169 520	405 353	5,0	5,5
3	MP02	169 526	405 351	5,0	5,6
4	MP03	169 532	405 349	5,0	5,6
5	MP04	169 529	405 341	5,0	5,3
6	MP05	169 525	405 334	5,0	5,0
7	MP06	169 521	405 327	5,0	4,7
8	MP07	169 512	405 331	5,0	4,9
9	MP08	169 515	405 338	5,0	5,0
10	MP09	169 517	405 346	5,0	5,3

Resultaten achtergrondbelasting

Uit berekeningen met het programma V-STACK Gebied blijkt dat de maximale achtergrondbelasting (zie onderstaande tabel) op het plangebied 9,0 ou_E /m³ bedraagt.

Tabel 5: Resultaat achtergrondbelasting

Cumulatieve geurbelasting op receptorpunten, zoals berekend

RecepID	X-coor	Y-coor	Geurnorm	Geurbelasting [OU/m3]
1070	169520.0	405353.0	10.000	8.992
1071	169526.0	405351.0	10.000	8.944
1072	169532.0	405349.0	10.000	8.901
1073	169529.0	405341.0	10.000	8.825
1074	169525.0	405334.0	10.000	8.819
1075	169521.0	405327.0	10.000	8.756
1076	169512.0	405331.0	10.000	8.805
1077	169515.0	405338.0	10.000	8.801
1078	169517.0	405346.0	10.000	8.927

Conclusie

Er zijn geen dierverblijven binnen een straal van maar dan 200 m van de onderzoekslocatie aanwezig. Geconcludeerd kan worden dat de omliggende veehouderijen niet worden gehinderd door voorgenomen ontwikkeling op het perceel.

De veehouderij op de locatie Torenweg 3 veroorzaakt de meeste geurbelasting op de plangebied. De maximale voorgrondbelasting op het plangebied bedraagt 5,6 ou_E /m³. De achtergrondbelasting op het plangebied, deze bedraagt maximaal 9,0 Ou_E /m³.



Voor de bepaling van het woon- en verblijfklimaat heeft de gemeente Uden eigen beleidsregels opgesteld.

Tabel 6: Toetsing beleidsregel geur en ruimtelijke plannen 2016 gemeente Uden in ou_e/m^3 .

Overgangsgebied	Goed	Afweegbaar	Slecht	Berekende waarde
Voorgrondbelasting	0 - 5	5 – 8	> 8	5,6
Achtergrondbelasting	0 - 10	10 – 14	> 14	9,0

Uit de tabellen is af te lezen dat het woon- en verblijfklimaat ter plaatse van de voorgenomen ruimtelijke ontwikkeling 'Afweegbaar' is.

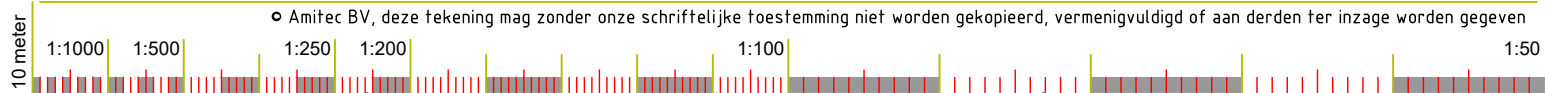
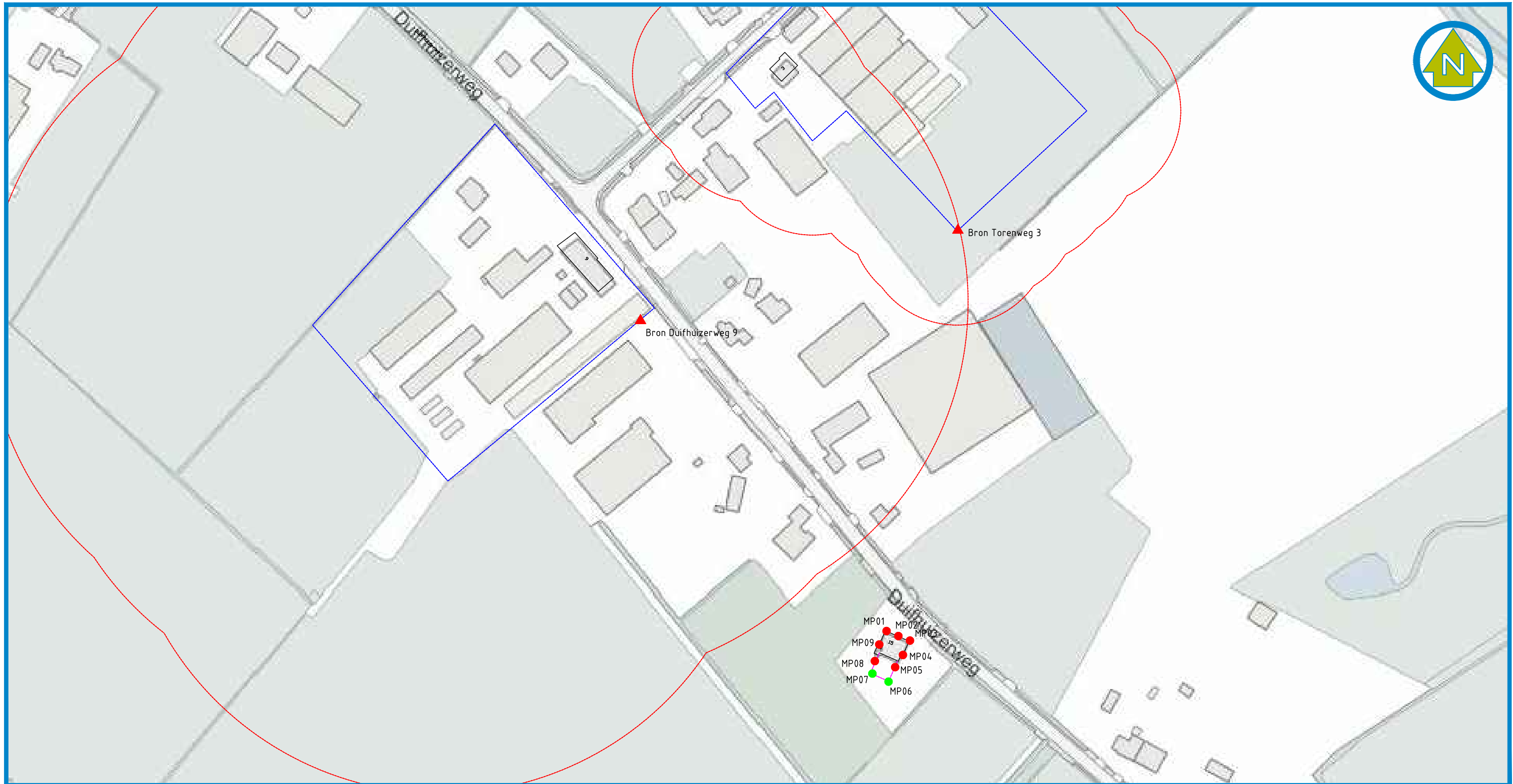
Voor de veehouderij aan de Torenweg 3 is Duifhuizerweg 15 niet het maatgevende geurgevoelige object. Rondom de onderzoekslocatie bevinden zich al meerdere geurgevoelige objecten (Duifhuizerweg 13 en 10a) welke voor deze veehouderij maatgevend zijn.

Mede gezien de ruimtelijke ontwikkeling, de herbouw van een cultuurhistorische woonboerderij betreft, wordt in dergelijke situaties een hogere acceptatie van geur verwacht.

De uitbreiding van de bestaande woonboerderij zal verder van het maatgevende bedrijf af liggen en belemmert daardoor geen agrarisch bedrijf en is een woon- en leefklimaat voldoende gewaarborgd.

Bijlagen:

- Voorgrondbelasting
- Achtergrondbelasting;
- Rekenbladen V-Stacks Vergunning en V-Stacks Gebied



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LEGENDA:

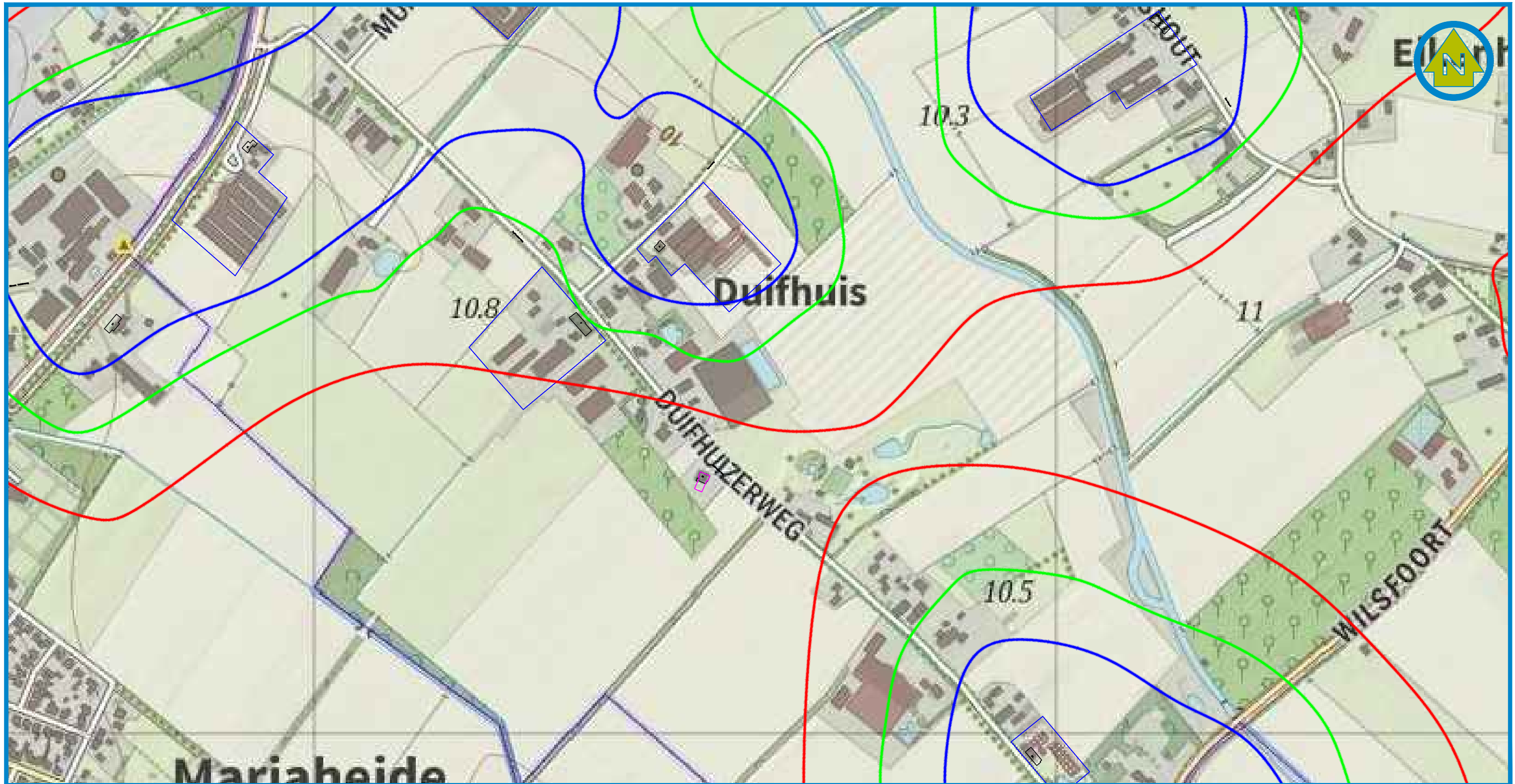
- Meetpunt (V-Stacks)
- Bron (V-Stacks)
- Grens afstandseis
- Bouwblok veehouderij
- Plangebied
- Belemmering Wgv

project: 20.901	schaal: 1 : 2000	formaat A3
Onderzoekslocatie: Duifhuizerweg 15 5406 BG Uden	datum: 26 februari 2020	
Onderdeel: Voorgrondbelasting	Wijziging:	
	Tekenaar: MH	



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LEGENDA:

- Grens Ontwikkeling
- 10,0 OuE/m³ contour
- 14,0 OuE/m³ contour
- 20,0 OuE/m³ contour

project: 20.901	schaal: 1 : 5000	formaat A3
Onderzoekslocatie: Duifhuizerweg 15 5406 TB Uden	datum: 26 februari 2020	
Onderdeel: Achtergrondbelasting	Wijziging:	
	Tekenaar: MH	

Naam van de berekening: VG Torenweg 3

Gemaakt op: 21-02-2020 11:04:09

Rekentijd: 0:00:01

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Berekende ruwheid: 0,12 m

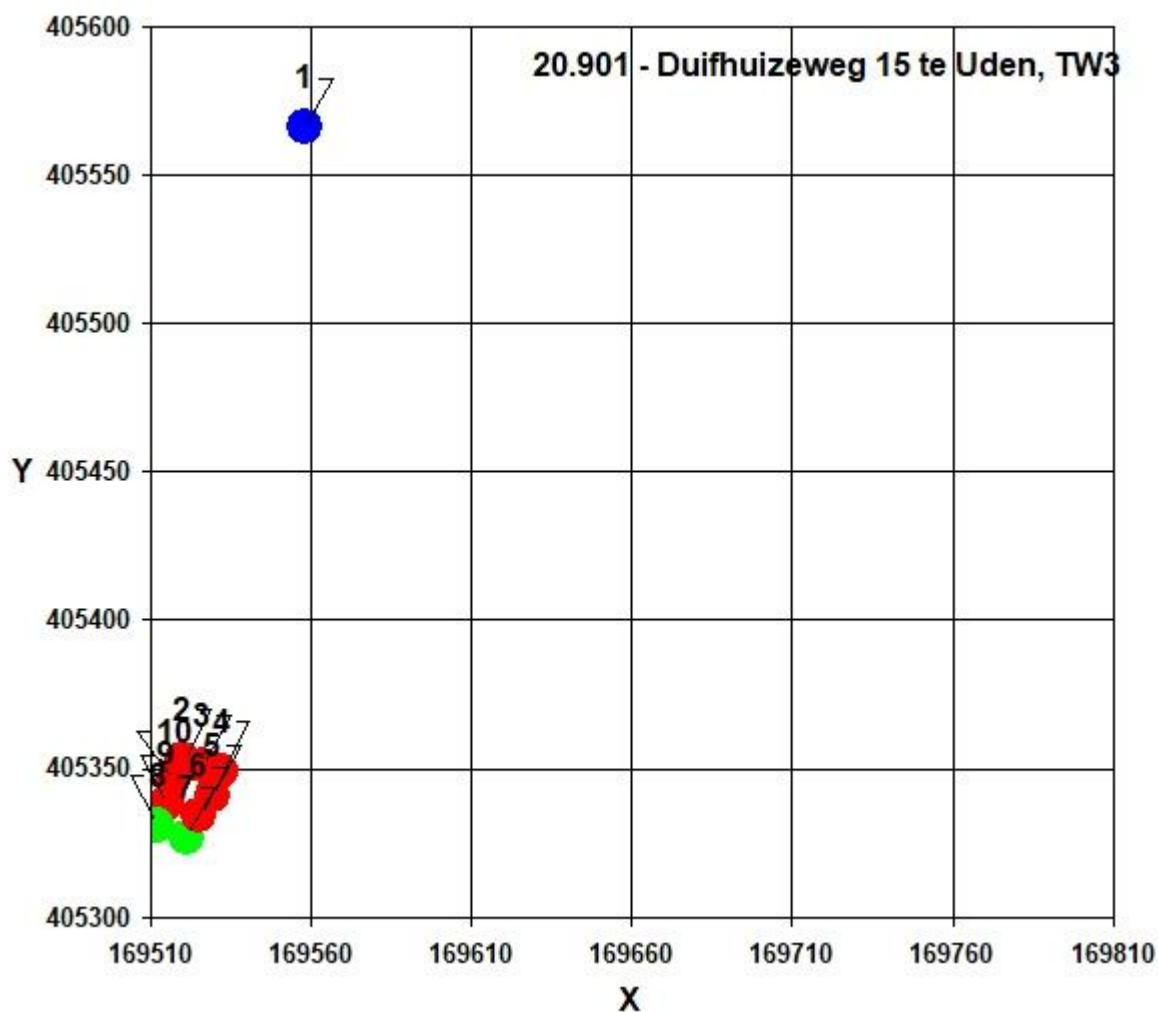
Meteo station: Eindhoven

Brongegevens:

Volgnr.	BronID	X-coord.	Y-coord.	EP Hoogte	Gem.geb. hoogte	EP Diam.	EP Uittr. snelh.	E-Aanvraag
1	Torenweg 3	169 558	405 566	6,0	6,0	0,50	4,00	33 862

Geur gevoelige locaties:

Volgnummer	GGLID	Xcoördinaat	Ycoördinaat	Geurnorm	Geurbelasting
2	MP01	169 520	405 353	5,0	5,5
3	MP02	169 526	405 351	5,0	5,6
4	MP03	169 532	405 349	5,0	5,6
5	MP04	169 529	405 341	5,0	5,3
6	MP05	169 525	405 334	5,0	5,0
7	MP06	169 521	405 327	5,0	4,7
8	MP07	169 512	405 331	5,0	4,9
9	MP08	169 515	405 338	5,0	5,0
10	MP09	169 517	405 346	5,0	5,3



Naam van de berekening: VG Goordonksedijk 29

Gemaakt op: 21-02-2020 11:02:35

Rekentijd: 0:00:02

Naam van het bedrijf: 20.901 - Duifhuizeweg 15 te Uden, GDD29

Berekende ruwheid: 0,12 m

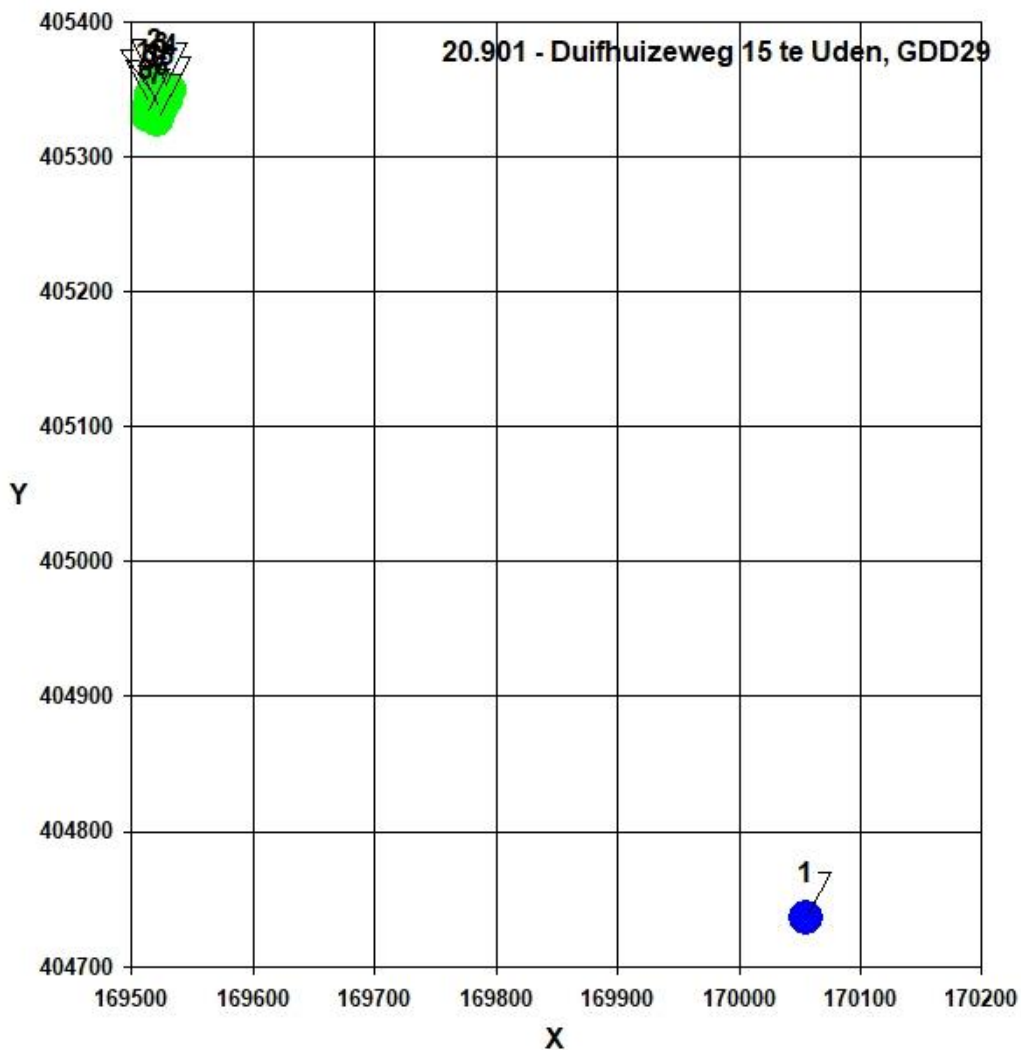
Meteo station: Eindhoven

Brongegevens:

Volgnr.	BronID	X-coord.	Y-coord.	EP Hoogte	Gem.geb. hoogte	EP Diam.	EP Uittr. snelh.	E-Aanvraag
1	Goordonksedijk 29	170 055	404 736	6,0	6,0	0,50	4,00	76 863

Geur gevoelige locaties:

Volgnummer	GGLID	Xcoördinaat	Ycoördinaat	Geurnorm	Geurbelasting
2	MP01	169 520	405 353	5,0	3,3
3	MP02	169 526	405 351	5,0	3,4
4	MP03	169 532	405 349	5,0	3,4
5	MP04	169 529	405 341	5,0	3,4
6	MP05	169 525	405 334	5,0	3,5
7	MP06	169 521	405 327	5,0	3,6
8	MP07	169 512	405 331	5,0	3,5
9	MP08	169 515	405 338	5,0	3,5
10	MP09	169 517	405 346	5,0	3,4



Naam van de berekening: VG Dorshout 5

Gemaakt op: 21-02-2020 11:00:55

Rekentijd: 0:00:03

Naam van het bedrijf: 20.901 - Duifhuizeweg 15 te Uden, DH5

Berekende ruwheid: 0,16 m

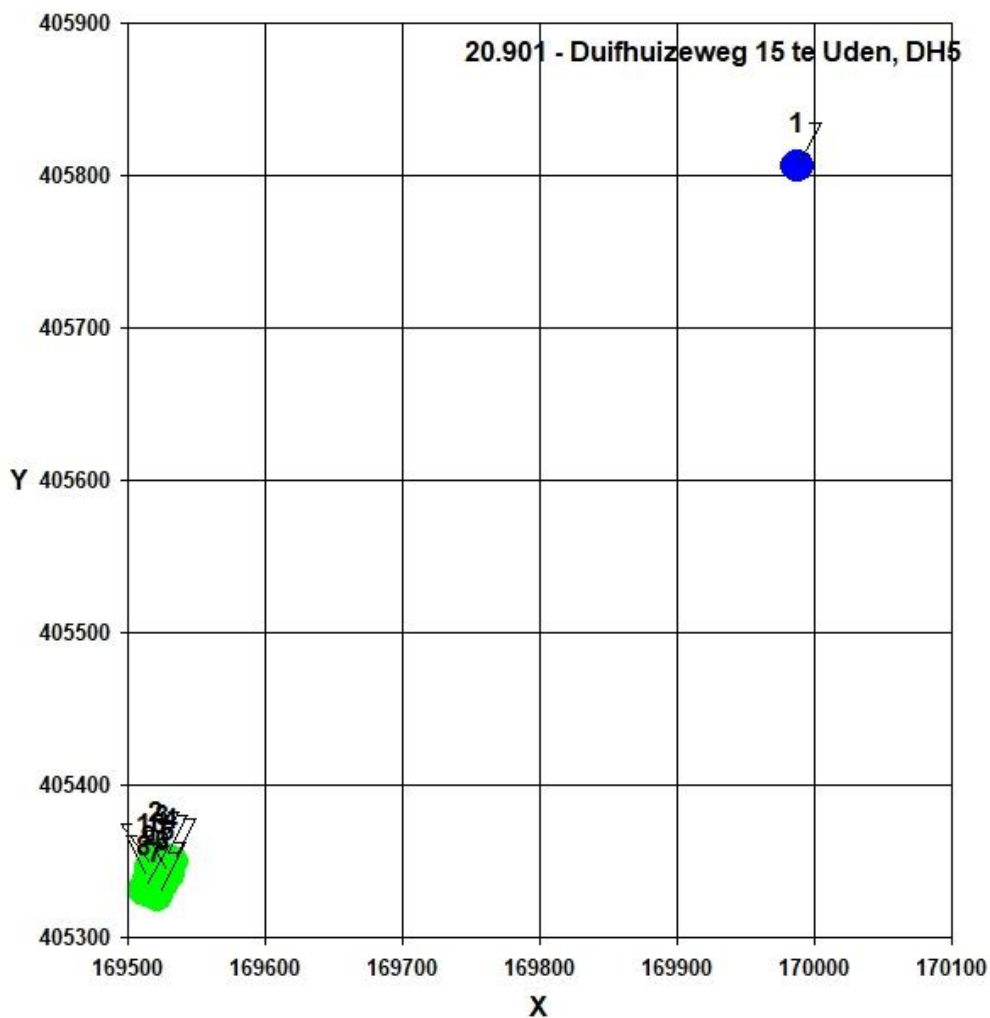
Meteo station: Eindhoven

Brongegevens:

Volgnr.	BronID	X-coord.	Y-coord.	EP Hoogte	Gem.geb. hoogte	EP Diam.	EP Uittr. snelh.	E-Aanvraag
1	Dorshout 5	169 987	405 806	6,0	6,0	0,50	4,00	63 658

Geur gevoelige locaties:

Volgnummer	GGLID	Xcoördinaat	Ycoördinaat	Geurnorm	Geurbelasting
2	MP01	169 520	405 353	5,0	2,7
3	MP02	169 526	405 351	5,0	2,8
4	MP03	169 532	405 349	5,0	2,8
5	MP04	169 529	405 341	5,0	2,7
6	MP05	169 525	405 334	5,0	2,7
7	MP06	169 521	405 327	5,0	2,6
8	MP07	169 512	405 331	5,0	2,7
9	MP08	169 515	405 338	5,0	2,7
10	MP09	169 517	405 346	5,0	2,7



Naam van de berekening: VG Duifhuizerweg 24

Gemaakt op: 21-02-2020 11:02:11

Rekentijd: 0:00:01

Naam van het bedrijf: 20.901 - Duifhuizeweg 15 te Uden, DHW24

Berekende ruwheid: 0,11 m

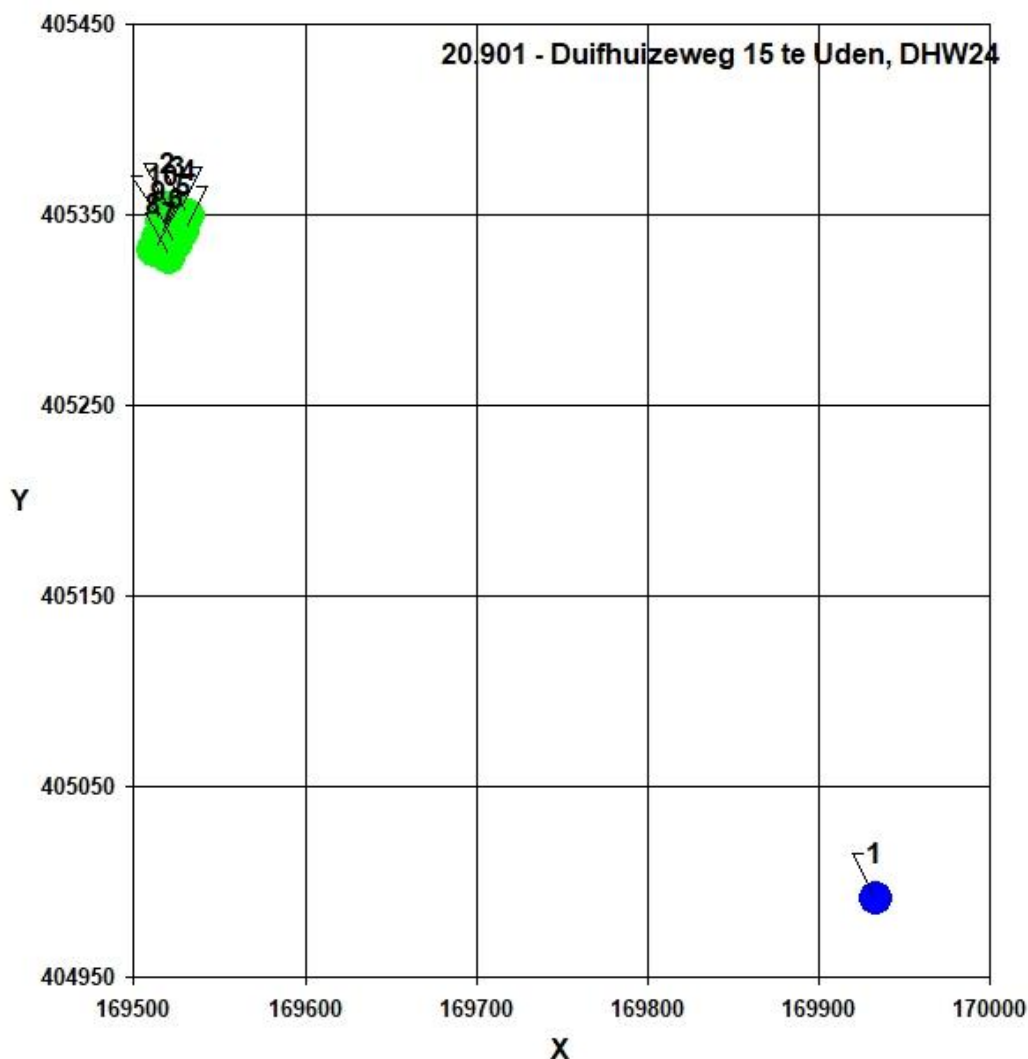
Meteo station: Eindhoven

Brongegevens:

Volgnr.	BronID	X-coord.	Y-coord.	EP Hoogte	Gem.geb. hoogte	EP Diam.	EP Uittr. snelh.	E-Aanvraag
1	Duifhuizerweg 24	169 933	404 991	6,0	6,0	0,50	4,00	28 900

Geur gevoelige locaties:

Volgnummer	GGLID	Xcoördinaat	Ycoördinaat	Geurnorm	Geurbelasting
2	MP01	169 520	405 353	5,0	2,3
3	MP02	169 526	405 351	5,0	2,3
4	MP03	169 532	405 349	5,0	2,4
5	MP04	169 529	405 341	5,0	2,4
6	MP05	169 525	405 334	5,0	2,3
7	MP06	169 521	405 327	5,0	2,3
8	MP07	169 512	405 331	5,0	2,2
9	MP08	169 515	405 338	5,0	2,2
10	MP09	169 517	405 346	5,0	2,2



Naam van de berekening: VG Munsterweg 15

Gemaakt op: 21-02-2020 11:03:27

Rekentijd: 0:00:02

Naam van het bedrijf: 20.901 - Duifhuizeweg 15 te Uden, MW15

Berekende ruwheid: 0,18 m

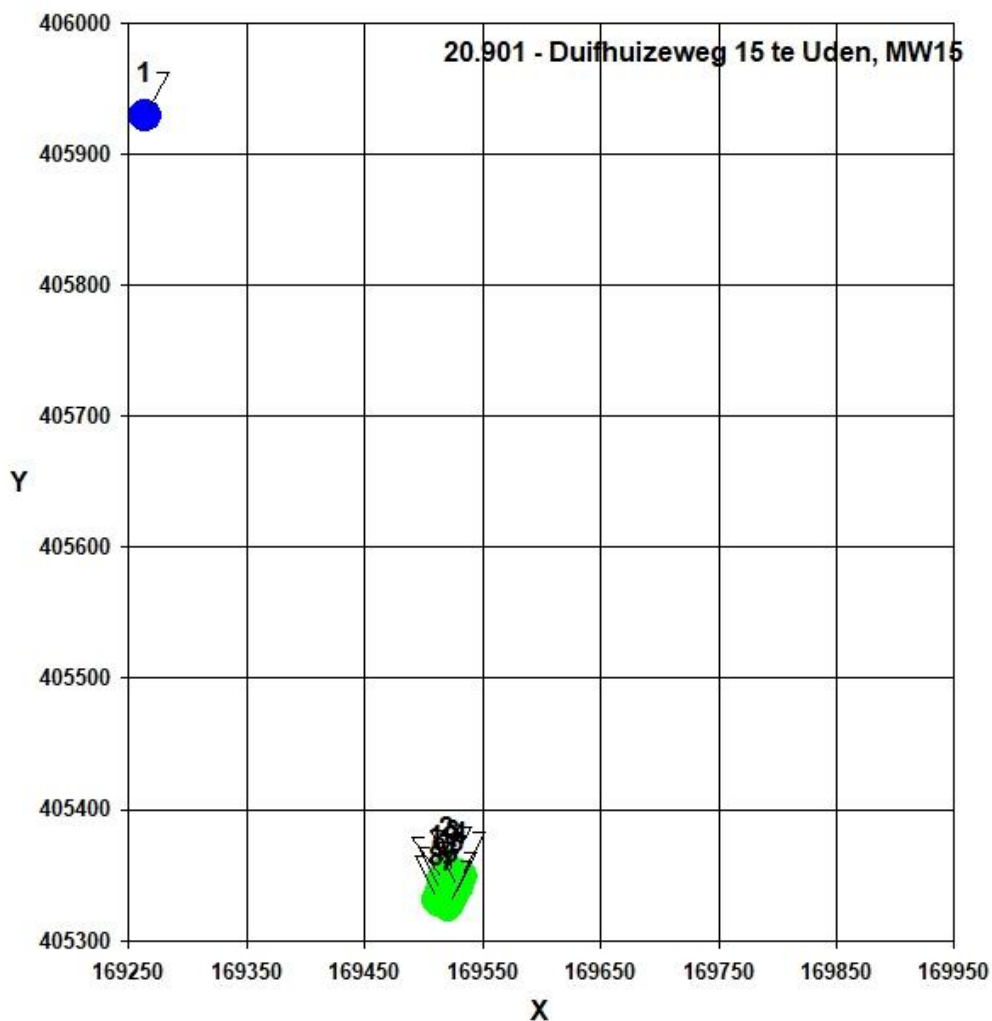
Meteo station: Eindhoven

Brongegevens:

Volgnr.	BronID	X-coord.	Y-coord.	EP Hoogte	Gem.geb. hoogte	EP Diam.	EP Uittr. snelh.	E-Aanvraag
1	Munterweg 15	169 264	405 929	6,0	6,0	0,50	4,00	46 538

Geur gevoelige locaties:

Volgnummer	GGLID	Xcoördinaat	Ycoördinaat	Geurnorm	Geurbelasting
2	MP01	169 520	405 353	5,0	1,9
3	MP02	169 526	405 351	5,0	1,9
4	MP03	169 532	405 349	5,0	1,8
5	MP04	169 529	405 341	5,0	1,8
6	MP05	169 525	405 334	5,0	1,8
7	MP06	169 521	405 327	5,0	1,8
8	MP07	169 512	405 331	5,0	1,8
9	MP08	169 515	405 338	5,0	1,8
10	MP09	169 517	405 346	5,0	1,9



Naam van de berekening: VG Bolstweg 6

Gemaakt op: 21-02-2020 10:59:49

Rekentijd: 0:00:02

Naam van het bedrijf: 20.901 - Duifhuizeweg 15 te Uden, BW6

Berekende ruwheid: 0,18 m

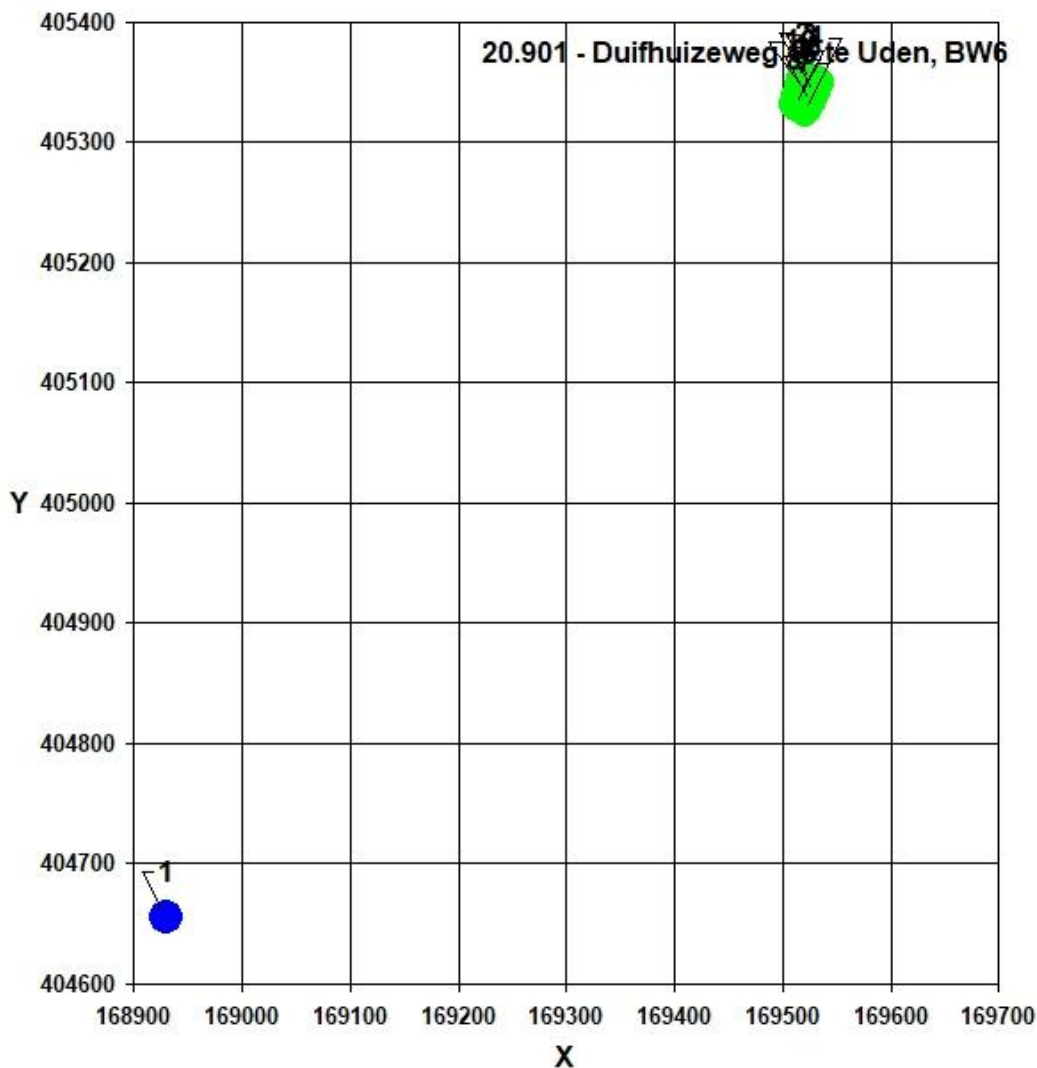
Meteo station: Eindhoven

Brongegevens:

Volgnr.	BronID	X-coord.	Y-coord.	EP Hoogte	Gem.geb. hoogte	EP Diam.	EP Uittr. snelh.	E-Aanvraag
1	Bolstweg 6	168 930	404 655	6,0	6,0	0,50	4,00	40 994

Geur gevoelige locaties:

Volgnummer	GGLID	Xcoördinaat	Ycoördinaat	Geurnorm	Geurbelasting
2	MP01	169 520	405 353	5,0	1,5
3	MP02	169 526	405 351	5,0	1,4
4	MP03	169 532	405 349	5,0	1,4
5	MP04	169 529	405 341	5,0	1,4
6	MP05	169 525	405 334	5,0	1,5
7	MP06	169 521	405 327	5,0	1,5
8	MP07	169 512	405 331	5,0	1,5
9	MP08	169 515	405 338	5,0	1,5
10	MP09	169 517	405 346	5,0	1,5



Naam van de berekening: VG Kraanmeer 20

Gemaakt op: 21-02-2020 11:02:57

Rekentijd: 0:00:02

Naam van het bedrijf: 20.901 - Duifhuizeweg 15 te Uden, KRM20

Berekende ruwheid: 0,16 m

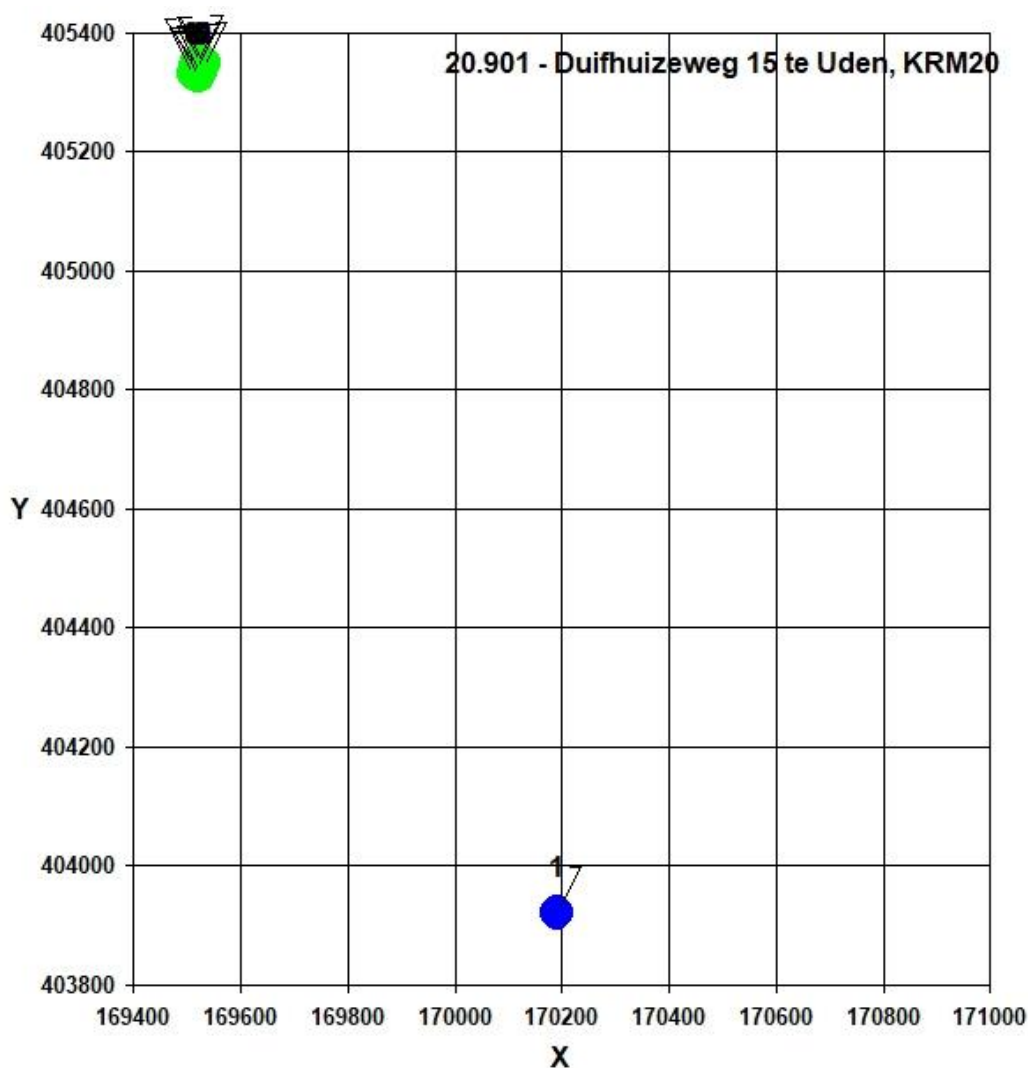
Meteo station: Eindhoven

Brongegevens:

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1	Kraanmeer 20	170 191	403 921	6,0	6,0	0,50	4,00	78 859

Geur gevoelige locaties:

Volgnummer	GGLID	Xcoördinaat	Ycoördinaat	Geurnorm	Geurbelasting
2	MP01	169 520	405 353	5,0	1,1
3	MP02	169 526	405 351	5,0	1,1
4	MP03	169 532	405 349	5,0	1,1
5	MP04	169 529	405 341	5,0	1,1
6	MP05	169 525	405 334	5,0	1,1
7	MP06	169 521	405 327	5,0	1,1
8	MP07	169 512	405 331	5,0	1,1
9	MP08	169 515	405 338	5,0	1,1
10	MP09	169 517	405 346	5,0	1,1



Naam van de berekening: VG Duifhuizereg 9

Gemaakt op: 26-02-2020 9:57:46

Rekentijd: 0:00:02

Naam van het bedrijf: 20.901 - Duifhuizeweg 15 te Uden, DH9

Berekende ruwheid: 0,15 m

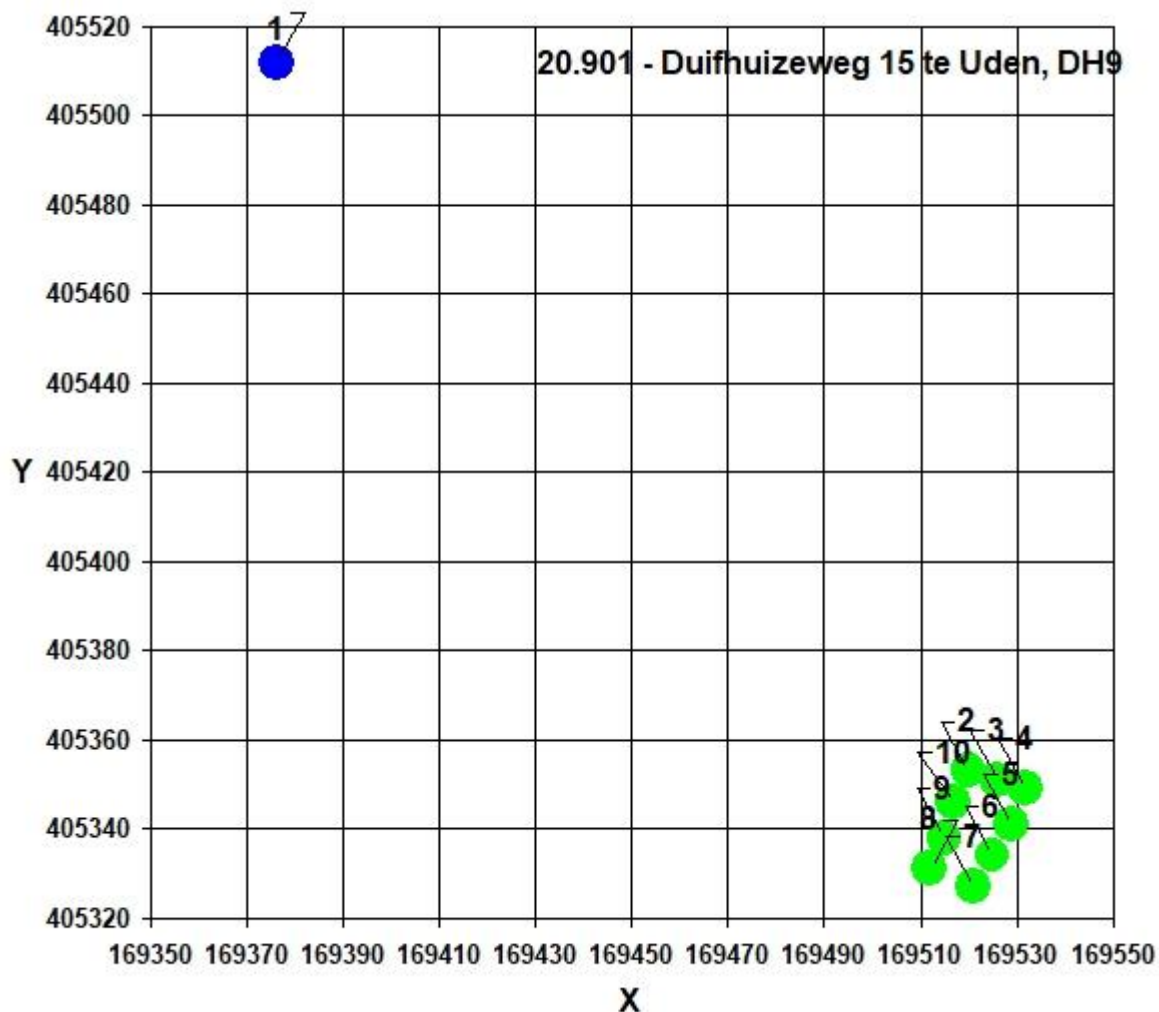
Meteo station: Eindhoven

Brongegevens:

Volgnr.	BronID	X-coord.	Y-coord.	EP Hoogte	Gem.geb. hoogte	EP Diam.	EP Uittr. snelh.	E-Aanvraag
1	Duifhuizeweg 9	169 376	405 512	6,0	6,0	0,50	4,00	4 272

Geur gevoelige locaties:

Volgnummer	GGLID	Xcoördinaat	Ycoördinaat	Geurnorm	Geurbelasting
2	MP01	169 520	405 353	5,0	0,7
3	MP02	169 526	405 351	5,0	0,7
4	MP03	169 532	405 349	5,0	0,7
5	MP04	169 529	405 341	5,0	0,7
6	MP05	169 525	405 334	5,0	0,7
7	MP06	169 521	405 327	5,0	0,7
8	MP07	169 512	405 331	5,0	0,7
9	MP08	169 515	405 338	5,0	0,7
10	MP09	169 517	405 346	5,0	0,7



Gemaakt op: 2-05-2020 17:15:45

Rekentijd: 0:35:26

Naam van het gebied: 20.901 - Duifhuizerweg 15 te Uden

Berekende ruwheid: 0,25 m

Meteo station: Eindhoven

Rekenuren: 25 %

Bronbestand: P:\K\Kanters Groep BV\20.901- Duifhuizerweg 15, Uden\GEUR\STACKS\20.901-BRONNEN.txt

Receptorbestand: P:\K\Kanters Groep BV\20.901- Duifhuizerweg 15, Uden\GEUR\STACKS\20.901-receptoren.txt

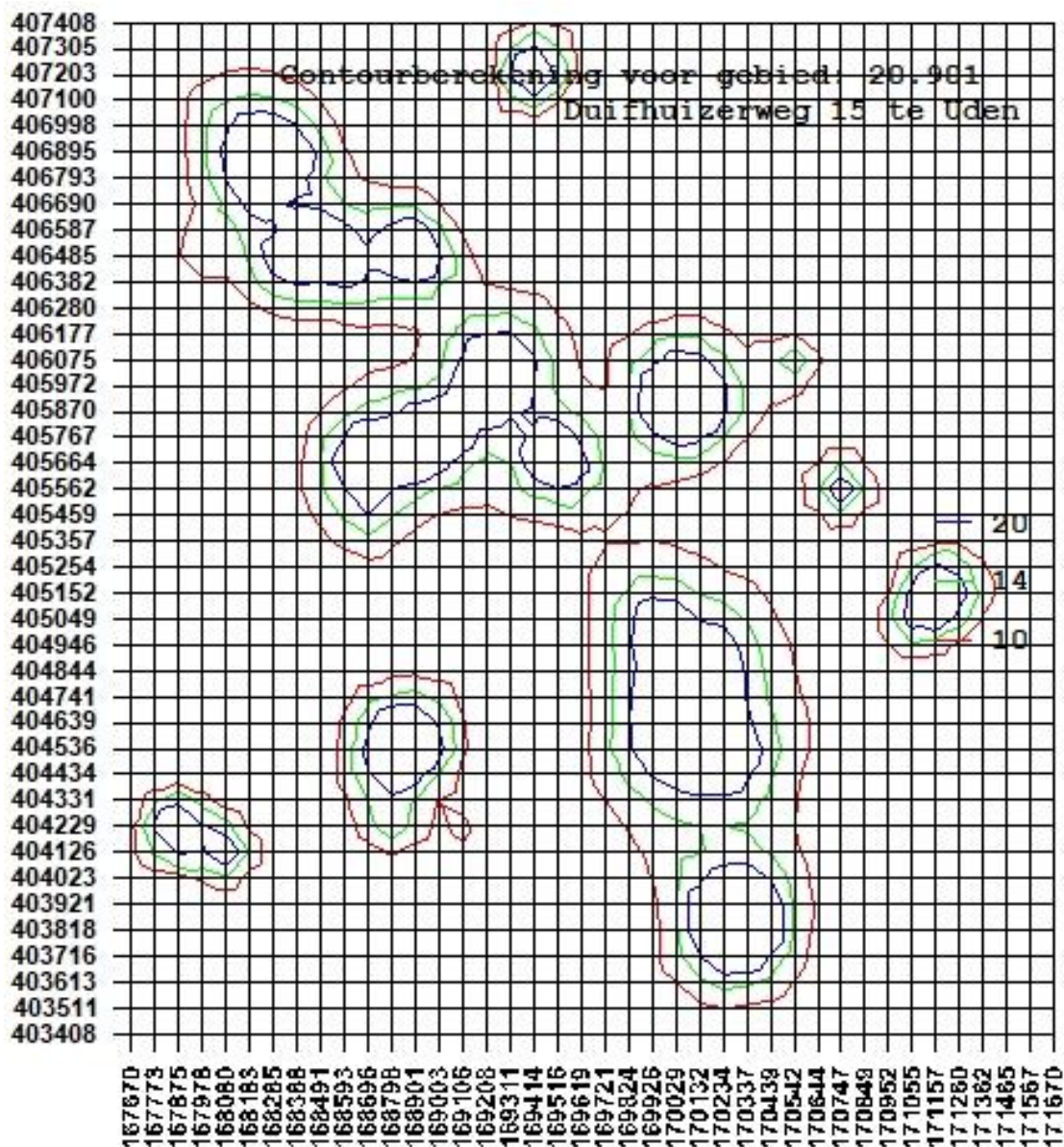
Resultaten weggeschreven in: P:\K\Kanters Groep BV\20.901- Duifhuizerweg 15, Uden\GEUR\STACKS

Rasterpunt linksonder x: 167670 m

Rasterpunt linksonder y: 403408 m

Gebied lengte (x): 4000 m , Aantal gridpunten: 40

Gebied breedte (y): 4000 m , Aantal gridpunten: 40



IDNR	X_COORD-stal	Y_COORD-stal	EP-hoogte	gemgebhoogte	EP-diameter	EP-uittree	Evergund	EmaxVergun	Straat				
Huisnummer	Postcode	Plaats	Gemeente										
1001	168041	406115	6	6	0.5	4	52967.4	52967.4	Pater Visserslaan	12	5464RB	VEGHEL	Meierijstad
1002	167985	406513	6	6	0.5	4	8363.7	8363.7	Pater Visserslaan	15	5464RB	VEGHEL	Meierijstad
1003	167960	406537	6	6	0.5	4	31.2	31.2	Pater Visserslaan	16	5464RB	VEGHEL	Meierijstad
1004	168690	405666	6	6	0.5	4	36155.8	36155.8	Nieuwe Veldenweg	4	5464RC	VEGHEL	Meierijstad
1005	168524	405628	6	6	0.5	4	312	312	Nieuwe Veldenweg	5	5464RC	VEGHEL	Meierijstad
1006	168622	405696	6	6	0.5	4	0	0	Nieuwe Veldenweg	8	5464RC	VEGHEL	Meierijstad
1007	169190	403789	6	6	0.5	4	1424	1424	Bolstweg	20	5464TC	VEGHEL	Meierijstad
1008	168735	404595	6	6	0.5	4	1560	1560	Bolstweg	4	5464TC	VEGHEL	Meierijstad
1009	168861	404542	6	6	0.5	4	40993.6	40993.6	Bolstweg	6	5464TC	VEGHEL	Meierijstad
1010	168796	404503	6	6	0.5	4	16468	16468	Bolstweg	5A	5464TC	VEGHEL	Meierijstad
1011	168066	404113	6	6	0.5	4	16859	16859	Goordonksedijk	2A	5464TE	VEGHEL	Meierijstad
1012	168260	404120	6	6	0.5	4	0	0	Goordonksedijk	4	5464TE	VEGHEL	Meierijstad
1013	168809	404260	6	6	0.5	4	11315.9	11315.9	Goordonksedijk	14	5464TG	VEGHEL	Meierijstad
1014	169108	404180	6	6	0.5	4	7660.2	7660.2	Goordonksedijk	15	5464TG	VEGHEL	Meierijstad
1015	170037	404621	6	6	0.5	4	76863	76863	Goordonksedijk	29	5464TG	VEGHEL	Meierijstad
1016	168384	403979	6	6	0.5	4	0	0	Hoger Duinenweg	1A	5464TH	VEGHEL	Meierijstad
1017	168615	403620	6	6	0.5	4	0	0	Hoger Duinenweg	6	5464TH	VEGHEL	Meierijstad
1018	169574	404641	6	6	0.5	4	234	234	Goordonk	2	5464TJ	VEGHEL	Meierijstad
1019	168313	404665	6	6	0.5	4	374.4	374.4	Versantvoortstraat	2	5464TL	VEGHEL	Meierijstad
1020	168128	403880	6	6	0.5	4	0	0	Het Broek	7	5464TT	VEGHEL	Meierijstad
1021	167882	404459	6	6	0.5	4	195	195	Voorhei 10	5464VC	VEGHEL	Meierijstad	
1022	167853	404201	6	6	0.5	4	26092.3	26092.3	Voorhei 2	5464VC	VEGHEL	Meierijstad	
1023	168065	404313	6	6	0.5	4	1002.2	1002.2	Voorhei 8	5464VC	VEGHEL	Meierijstad	
1024	168702	405490	6	6	0.5	4	10384.5	10384.5	Past. van Haarenstraat	8587	5464VE	VEGHEL	Meierijstad
1025	170165	404825	6	6	0.5	4	33975.8	33975.8	Kraanmeer	1	5469SN	ERP	Meierijstad
1026	170548	404234	6	6	0.5	4	0	0	Kraanmeer	15	5469SN	ERP	Meierijstad
1027	170280	403837	6	6	0.5	4	78858.8	78858.8	Kraanmeer	20	5469SN	ERP	Meierijstad
1028	170202	404532	6	6	0.5	4	39600	39600	Kraanmeer	6	5469SN	ERP	Meierijstad
1029	170485	405619	6	6	0.5	4	0	0	Eikenheuvelweg	17	5406NA	UDEN	Uden
1030	170570	405465	6	6	0.5	4	0	0	Eikenheuvelweg	21	5406NA	UDEN	Uden
1031	170521	406040	6	6	0.5	4	10465	10465	Laarweg 3	5406NC	UDEN	Uden	
1032	170061	406025	6	6	0.5	4	55	55	Dorshout	1	5406ND	UDEN	Uden
1033	170054	405901	6	6	0.5	4	63658	63658	Dorshout	5	5406ND	UDEN	Uden
1034	170732	405548	6	6	0.5	4	15701	15701	Ruitersweg	1	5406NE	UDEN	Uden
1035	171538	405358	6	6	0.5	4	2417	2417	Lage Randweg	25	5406NN	UDEN	Uden
1036	171157	405123	6	6	0.5	4	33698	33698	Kooldertweg	3	5406NP	UDEN	Uden
1037	171035	405027	6	6	0.5	4	9660	9660	Knokerdweg	1	5406NR	UDEN	Uden
1038	171199	404895	6	6	0.5	4	3182	3182	Knokerdweg	3	5406NR	UDEN	Uden
1039	171296	404878	6	6	0.5	4	468	468	Knokerdweg	8	5406NR	UDEN	Uden
1040	169398	407196	6	6	0.5	4	28073	28073	Egelweg 10	5406PD	UDEN	Uden	
1041	168868	406494	6	6	0.5	4	31708	31708	Egelweg 4	5406PD	UDEN	Uden	
1042	169837	405144	6	6	0.5	4	34	34	Duifhuizerweg	18B	5406TB	UDEN	Uden
1043	168919	405729	6	6	0.5	4	37200	37200	Duifhuizerweg	1A	5406TB	UDEN	Uden
1044	169918	405038	6	6	0.5	4	0	0	Duifhuizerweg	22	5406TB	UDEN	Uden
1045	169976	404979	6	6	0.5	4	28900	28900	Duifhuizerweg	24	5406TB	UDEN	Uden
1046	169074	405811	6	6	0.5	4	19452	19452	Duifhuizerweg	3	5406TB	UDEN	Uden
1047	169325	405517	6	6	0.5	4	4272	4272	Duifhuizerweg	9	5406TB	UDEN	Uden
1048	169252	406006	6	6	0.5	4	46538	46538	Munterweg	15	5406TC	UDEN	Uden
1049	169498	405674	6	6	0.5	4	33862	33862	Torenweg	3	5406TD	UDEN	Uden
1050	169444	405714	6	6	0.5	4	0	0	Torenweg	4	5406TD	UDEN	Uden
1051	168340	406862	6	6	0.5	4	16560	16560	Hoogstraat	10	5406TH	UDEN	Uden
1052	168229	406658	6	6	0.5	4	7208	7208	Hoogstraat	11A	5406TH	UDEN	Uden
1053	168478	406531	6	6	0.5	4	24744	24744	Hoogstraat	13B	5406TH	UDEN	Uden
1054	168551	406504	6	6	0.5	4	0	0	Hoogstraat	15	5406TH	UDEN	Uden

1055	168633	406554	6	6	0.5	4	0	0	Hoogstraat	16	5406TH	UDEN	Uden
1056	168610	406435	6	6	0.5	4	20421	20421	Hoogstraat	17	5406TH	UDEN	Uden
1057	168239	406848	6	6	0.5	4	48693	48693	Hoogstraat	8	5406TH	UDEN	Uden
1058	168347	406458	6	6	0.5	4	23013	23013	Derptweg	34	5406TJ	UDEN	Uden

DENTIFIER		X-COORDINA	Y-COORDINA		NORM-OU
1070	169520	405353	10	MP01	
1071	169526	405351	10	MP02	
1072	169532	405349	10	MP03	
1073	169529	405341	10	MP04	
1074	169525	405334	10	MP05	
1075	169521	405327	10	MP06	
1076	169512	405331	10	MP07	
1077	169515	405338	10	MP08	
1078	169517	405346	10	MP09	

Cumulatieve geurbelasting op receptorpunten, zoals berekend

RecepID	X-coor	Y-coor	Geurnorm	Geurbelasting [OU/m3]
1070	169520.0	405353.0	10.000	8.992
1071	169526.0	405351.0	10.000	8.944
1072	169532.0	405349.0	10.000	8.901
1073	169529.0	405341.0	10.000	8.825
1074	169525.0	405334.0	10.000	8.819
1075	169521.0	405327.0	10.000	8.756
1076	169512.0	405331.0	10.000	8.805
1077	169515.0	405338.0	10.000	8.801
1078	169517.0	405346.0	10.000	8.927

hoogst toelaatbare emissies per bron, zoals berekend

BronID	X-coor	Y-coor	E-vergund	E-maxverg	E-calcul	E-maxcomb	E=Em?	RatioM/V	KriRecePuntX	KriRecePuntY
1002	167985.0	406513.0	8364	8364	1279404	8364	1	1.00	169515.0	405338.0
1003	167960.0	406537.0	31	31	1311147	31	1	1.00	169520.0	405353.0
1004	168690.0	405666.0	36156	36156	412369	36156	1	1.00	169515.0	405338.0
1005	168524.0	405628.0	312	312	513254	312	1	1.00	169512.0	405331.0
1006	168622.0	405696.0	0	0	463386	0	1	999999.00	169515.0	405338.0
1007	169190.0	403789.0	1424	1424	800471	1424	1	1.00	169512.0	405331.0
1008	168735.0	404595.0	1560	1560	456245	1560	1	1.00	169517.0	405346.0
1009	168861.0	404542.0	40994	40994	384547	40994	1	1.00	169512.0	405331.0
1010	168796.0	404503.0	16468	16468	426821	16468	1	1.00	169512.0	405331.0
1011	168066.0	404113.0	16859	16859	1102794	16859	1	1.00	169521.0	405327.0
1012	168260.0	404120.0	0	0	914506	0	1	999999.00	169512.0	405331.0
1013	168809.0	404260.0	11316	11316	529065	11316	1	1.00	169521.0	405327.0
1014	169108.0	404180.0	7660	7660	548154	7660	1	1.00	169512.0	405331.0
1015	170037.0	404621.0	76863	76863	328750	76863	1	1.00	169521.0	405327.0
1016	168384.0	403979.0	0	0	874317	0	1	999999.00	169512.0	405331.0
1017	168615.0	403620.0	0	0	997885	0	1	999999.00	169521.0	405327.0
1018	169574.0	404641.0	234	234	250268	234	1	1.00	169521.0	405327.0
1019	168313.0	404665.0	374	374	674322	374	1	1.00	169512.0	405331.0
1020	168128.0	403880.0	0	0	0	0	1	999999.00	0.0	0.0
1021	167882.0	404459.0	195	195	1034699	195	1	1.00	169512.0	405331.0
1022	167853.0	404201.0	26092	26092	0	26092	1	1.00	0.0	0.0
1023	168065.0	404313.0	1002	1002	996956	1002	1	1.00	169512.0	405331.0
1024	168702.0	405490.0	10384	10384	352223	10384	1	1.00	169520.0	405353.0
1025	170165.0	404825.0	33976	33976	299667	33976	1	1.00	169521.0	405327.0
1026	170548.0	404234.0	0	0	720124	0	1	999999.00	169521.0	405327.0
1027	170280.0	403837.0	78859	78859	909539	78859	1	1.00	169521.0	405327.0
1028	170202.0	404532.0	39600	39600	436532	39600	1	1.00	169521.0	405327.0
1029	170485.0	405619.0	0	0	512521	0	1	999999.00	169532.0	405349.0
1030	170570.0	405465.0	0	0	588875	0	1	999999.00	169521.0	405327.0
1031	170521.0	406040.0	10465	10465	661673	10465	1	1.00	169520.0	405353.0
1032	170061.0	406025.0	55	55	404384	55	1	1.00	169532.0	405349.0
1033	170054.0	405901.0	63658	63658	344876	63658	1	1.00	169532.0	405349.0
1034	170732.0	405548.0	15701	15701	711717	15701	1	1.00	169532.0	405349.0
1035	171538.0	405358.0	2417	2417	0	2417	1	1.00	0.0	0.0
1036	171157.0	405123.0	33698	33698	1345187	33698	1	1.00	169532.0	405349.0
1037	171035.0	405027.0	9660	9660	1153148	9660	1	1.00	169532.0	405349.0
1038	171199.0	404895.0	3182	3182	1387898	3182	1	1.00	169532.0	405349.0
1039	171296.0	404878.0	468	468	1518809	468	1	1.00	169532.0	405349.0
1040	169398.0	407196.0	28073	28073	1327302	28073	1	1.00	169526.0	405351.0
1041	168868.0	406494.0	31708	31708	772467	31708	1	1.00	169520.0	405353.0
1042	169837.0	405144.0	34	34	96160	34	1	1.00	169532.0	405349.0
1043	168919.0	405729.0	37200	37200	295749	37200	1	1.00	169515.0	405338.0
1044	169918.0	405038.0	0	0	138052	0	1	999999.00	169521.0	405327.0
1045	169976.0	404979.0	28900	28900	175972	28900	1	1.00	169521.0	405327.0
1046	169074.0	405811.0	19452	19452	265939	19452	1	1.00	169520.0	405353.0
1047	169325.0	405517.0	4272	4272	72875	4272	1	1.00	169520.0	405353.0
1048	169252.0	406006.0	46538	46538	339571	46538	1	1.00	169532.0	405349.0
1049	169498.0	405674.0	33862	33862	107288	33862	1	1.00	169520.0	405353.0
1050	169444.0	405714.0	0	0	138200	0	1	999999.00	169520.0	405353.0
1051	168340.0	406862.0	16560	16560	1337269	16560	1	1.00	169520.0	405353.0
1052	168229.0	406658.0	7208	7208	1245917	7208	1	1.00	169532.0	405349.0
1053	168478.0	406531.0	24744	24744	993469	24744	1	1.00	169520.0	405353.0
1054	168551.0	406504.0	0	0	909640	0	1	999999.00	169517.0	405346.0
1055	168633.0	406554.0	0	0	944231	0	1	999999.00	169517.0	405346.0

1056	168610.0	406435.0	20421	20421	833871	20421	1	1.00	169517.0	405346.0
1057	168239.0	406848.0	48693	48693	1358949	48693	1	1.00	169512.0	405331.0
1058	168347.0	406458.0	23013	23013	1030379	23013	1	1.00	169520.0	405353.0
0	0.0	0.0	0	0	0	0	1	999999.00	0.0	0.0

167670.0	403408.0	1.73549	11
167670.0	403510.6	1.93691	11
167670.0	403613.1	2.26257	11
167670.0	403715.7	2.73892	11
167670.0	403818.3	3.47479	12
167670.0	403920.8	4.40486	13
167670.0	404023.4	5.68467	14
167670.0	404125.9	8.33344	15
167670.0	404228.5	6.95187	16
167670.0	404331.1	7.22580	16
167670.0	404433.6	5.05429	18
167670.0	404536.2	3.65722	18
167670.0	404638.8	2.80692	21
167670.0	404741.3	2.49033	24
167670.0	404843.9	2.62304	25
167670.0	404946.5	2.92998	28
167670.0	405049.0	3.11087	29
167670.0	405151.6	3.20671	28
167670.0	405254.2	3.22804	27
167670.0	405356.7	3.29674	27
167670.0	405459.3	3.42137	27
167670.0	405561.8	3.51261	27
167670.0	405664.4	3.52561	26
167670.0	405767.0	3.62116	26
167670.0	405869.5	3.74941	26
167670.0	405972.1	3.98787	25
167670.0	406074.7	4.18128	24
167670.0	406177.2	4.39255	22
167670.0	406279.8	4.88329	21
167670.0	406382.4	5.41400	20
167670.0	406484.9	5.72296	19
167670.0	406587.5	5.79221	17
167670.0	406690.1	5.80118	16
167670.0	406792.6	5.96199	16
167670.0	406895.2	5.97344	16
167670.0	406997.7	5.94817	16
167670.0	407100.3	6.16177	16
167670.0	407202.9	6.21510	16
167670.0	407305.4	4.78666	12
167670.0	407408.0	4.12796	11
167772.6	403408.0	1.77346	11
167772.6	403510.6	2.06548	11
167772.6	403613.1	2.36788	11
167772.6	403715.7	2.82766	11
167772.6	403818.3	3.57278	14
167772.6	403920.8	4.89043	15
167772.6	404023.4	7.01582	15
167772.6	404125.9	15.01274	16
167772.6	404228.5	18.84398	16
167772.6	404331.1	10.96204	18
167772.6	404433.6	5.52617	18
167772.6	404536.2	3.82132	19
167772.6	404638.8	2.93900	22
167772.6	404741.3	2.88284	26
167772.6	404843.9	2.91377	27
167772.6	404946.5	3.14497	29

167772.6	405049.0	3.28388	29
167772.6	405151.6	3.47384	29
167772.6	405254.2	3.51996	28
167772.6	405356.7	3.53041	28
167772.6	405459.3	3.64029	28
167772.6	405561.8	3.75059	27
167772.6	405664.4	3.77151	27
167772.6	405767.0	3.81391	26
167772.6	405869.5	3.98304	26
167772.6	405972.1	4.17318	25
167772.6	406074.7	4.68115	26
167772.6	406177.2	5.04757	25
167772.6	406279.8	5.53489	22
167772.6	406382.4	6.30817	20
167772.6	406484.9	6.89580	19
167772.6	406587.5	7.15555	19
167772.6	406690.1	7.01649	17
167772.6	406792.6	6.94152	16
167772.6	406895.2	7.04461	16
167772.6	406997.7	7.23631	16
167772.6	407100.3	7.56024	16
167772.6	407202.9	7.08208	16
167772.6	407305.4	6.29602	15
167772.6	407408.0	4.85886	12
167875.1	403408.0	1.84206	11
167875.1	403510.6	2.09124	11
167875.1	403613.1	2.41615	12
167875.1	403715.7	2.99306	13
167875.1	403818.3	3.72214	14
167875.1	403920.8	5.02554	15
167875.1	404023.4	8.10448	16
167875.1	404125.9	17.75477	16
167875.1	404228.5	72.34318	18
167875.1	404331.1	13.76468	18
167875.1	404433.6	6.34995	18
167875.1	404536.2	4.10488	21
167875.1	404638.8	3.37506	25
167875.1	404741.3	3.08312	26
167875.1	404843.9	3.07201	28
167875.1	404946.5	3.37757	30
167875.1	405049.0	3.56923	30
167875.1	405151.6	3.68076	30
167875.1	405254.2	3.80907	30
167875.1	405356.7	3.85709	29
167875.1	405459.3	3.95653	29
167875.1	405561.8	4.02944	28
167875.1	405664.4	3.99924	28
167875.1	405767.0	4.12780	26
167875.1	405869.5	4.19107	26
167875.1	405972.1	4.62871	27
167875.1	406074.7	4.95863	26
167875.1	406177.2	5.55369	25
167875.1	406279.8	6.24710	23
167875.1	406382.4	7.41613	21
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167875.1	406587.5	9.44392	19

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167875.1	406792.6	8.84150	18
167875.1	406895.2	8.61087	16
167875.1	406997.7	9.14405	16
167875.1	407100.3	9.22925	16
167875.1	407202.9	8.14450	16
167875.1	407305.4	7.19896	16
167875.1	407408.0	6.29156	15
167977.7	403408.0	1.80741	11
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167977.7	403613.1	2.35629	12
167977.7	403715.7	2.87705	14
167977.7	403818.3	3.74172	15
167977.7	403920.8	5.15636	15
167977.7	404023.4	9.69275	16
167977.7	404125.9	14.49935	17
167977.7	404228.5	15.16924	18
167977.7	404331.1	9.59014	18
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167977.7	404536.2	3.84693	23
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167977.7	404741.3	3.32432	28
167977.7	404843.9	3.29523	28
167977.7	404946.5	3.63697	31
167977.7	405049.0	3.87356	31
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167977.7	405767.0	4.48686	29
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167977.7	406690.1	10.09793	18
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167977.7	406895.2	11.63422	18
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169003.3	404331.1	9.16477	28
169003.3	404433.6	11.98445	28
169003.3	404536.2	19.65943	30
169003.3	404638.8	17.24722	33
169003.3	404741.3	12.57224	34
169003.3	404843.9	8.30020	37
169003.3	404946.5	6.58760	37
169003.3	405049.0	6.57946	39
169003.3	405151.6	6.80329	39
169003.3	405254.2	7.52282	40
169003.3	405356.7	8.32509	40
169003.3	405459.3	9.61321	39
169003.3	405561.8	12.36261	39
169003.3	405664.4	21.05624	39
169003.3	405767.0	38.33159	39
169003.3	405869.5	25.16711	37
169003.3	405972.1	13.18381	36
169003.3	406074.7	10.69932	36
169003.3	406177.2	11.15154	33
169003.3	406279.8	10.79885	31
169003.3	406382.4	12.90784	30
169003.3	406484.9	17.89883	29
169003.3	406587.5	13.02727	23
169003.3	406690.1	9.49723	23
169003.3	406792.6	7.15804	22
169003.3	406895.2	6.35349	22
169003.3	406997.7	5.73058	21
169003.3	407100.3	5.42359	21
169003.3	407202.9	5.07921	21
169003.3	407305.4	4.86331	21
169003.3	407408.0	4.60914	20

169105.9	403408.0	2.89795	18
169105.9	403510.6	3.01385	18
169105.9	403613.1	3.31379	20
169105.9	403715.7	4.01442	23
169105.9	403818.3	4.24350	25
169105.9	403920.8	4.90644	25
169105.9	404023.4	6.06937	26
169105.9	404125.9	10.15528	26
169105.9	404228.5	14.88722	27
169105.9	404331.1	7.43308	28
169105.9	404433.6	8.19893	29
169105.9	404536.2	9.93448	32
169105.9	404638.8	9.87937	35
169105.9	404741.3	8.22474	35
169105.9	404843.9	7.28597	35
169105.9	404946.5	6.46665	38
169105.9	405049.0	6.45086	40
169105.9	405151.6	6.51084	40
169105.9	405254.2	7.17552	41
169105.9	405356.7	8.21122	41
169105.9	405459.3	9.36259	40
169105.9	405561.8	10.50274	39
169105.9	405664.4	13.11635	39
169105.9	405767.0	28.77025	38
169105.9	405869.5	32.33204	36
169105.9	405972.1	19.23867	36
169105.9	406074.7	17.53121	34
169105.9	406177.2	14.75982	34
169105.9	406279.8	11.29390	31
169105.9	406382.4	11.02923	31
169105.9	406484.9	10.56765	29
169105.9	406587.5	9.29344	24
169105.9	406690.1	7.38328	24
169105.9	406792.6	6.49627	22
169105.9	406895.2	5.93048	22
169105.9	406997.7	5.60079	22
169105.9	407100.3	5.40266	21
169105.9	407202.9	5.12680	21
169105.9	407305.4	4.95253	21
169105.9	407408.0	4.90652	21
169208.5	403408.0	2.95152	18
169208.5	403510.6	3.11388	18
169208.5	403613.1	3.46526	20
169208.5	403715.7	3.92691	21
169208.5	403818.3	5.12311	25
169208.5	403920.8	4.69749	25
169208.5	404023.4	5.79723	26
169208.5	404125.9	7.07709	27
169208.5	404228.5	6.45154	29
169208.5	404331.1	6.39116	30
169208.5	404433.6	6.55654	30
169208.5	404536.2	7.31049	33
169208.5	404638.8	7.28727	33
169208.5	404741.3	6.90458	37
169208.5	404843.9	6.35075	37
169208.5	404946.5	6.19623	39

169208.5	405049.0	6.19642	40
169208.5	405151.6	6.78638	41
169208.5	405254.2	7.08184	42
169208.5	405356.7	7.85946	42
169208.5	405459.3	9.52211	42
169208.5	405561.8	10.20580	41
169208.5	405664.4	11.49110	40
169208.5	405767.0	14.24085	38
169208.5	405869.5	21.22950	36
169208.5	405972.1	68.50664	34
169208.5	406074.7	46.49556	34
169208.5	406177.2	17.13143	34
169208.5	406279.8	10.91536	31
169208.5	406382.4	9.48367	31
169208.5	406484.9	8.22386	28
169208.5	406587.5	7.32438	25
169208.5	406690.1	6.34086	24
169208.5	406792.6	5.92774	24
169208.5	406895.2	5.66362	22
169208.5	406997.7	5.62467	22
169208.5	407100.3	7.11208	21
169208.5	407202.9	5.80988	21
169208.5	407305.4	6.31571	21
169208.5	407408.0	5.78275	21
169311.0	403408.0	3.19967	18
169311.0	403510.6	3.40722	18
169311.0	403613.1	3.61842	20
169311.0	403715.7	3.76676	21
169311.0	403818.3	4.06018	24
169311.0	403920.8	4.49549	25
169311.0	404023.4	5.01671	27
169311.0	404125.9	5.59246	28
169311.0	404228.5	5.80161	30
169311.0	404331.1	5.85721	31
169311.0	404433.6	6.18371	32
169311.0	404536.2	6.69598	33
169311.0	404638.8	6.64397	36
169311.0	404741.3	6.32414	38
169311.0	404843.9	6.28558	38
169311.0	404946.5	6.34039	38
169311.0	405049.0	6.42852	40
169311.0	405151.6	6.67065	41
169311.0	405254.2	7.24601	43
169311.0	405356.7	7.98022	43
169311.0	405459.3	9.90564	43
169311.0	405561.8	13.07883	42
169311.0	405664.4	11.54256	40
169311.0	405767.0	13.01452	39
169311.0	405869.5	18.23955	37
169311.0	405972.1	43.04891	35
169311.0	406074.7	49.25659	34
169311.0	406177.2	18.03285	33
169311.0	406279.8	11.45035	32
169311.0	406382.4	8.92843	31
169311.0	406484.9	7.64229	28
169311.0	406587.5	6.62632	26

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169311.0	406792.6	5.52068	24
169311.0	406895.2	5.39153	23
169311.0	406997.7	5.95245	22
169311.0	407100.3	11.91765	21
169311.0	407202.9	16.03455	21
169311.0	407305.4	13.45194	21
169311.0	407408.0	6.78020	20
169413.6	403408.0	3.48015	18
169413.6	403510.6	3.60861	18
169413.6	403613.1	3.73201	19
169413.6	403715.7	3.95415	21
169413.6	403818.3	4.19015	23
169413.6	403920.8	4.42464	26
169413.6	404023.4	5.06771	29
169413.6	404125.9	5.45601	30
169413.6	404228.5	6.08994	33
169413.6	404331.1	6.43468	33
169413.6	404433.6	6.44774	34
169413.6	404536.2	6.76521	34
169413.6	404638.8	6.77128	36
169413.6	404741.3	6.55832	36
169413.6	404843.9	6.53610	38
169413.6	404946.5	6.81435	38
169413.6	405049.0	6.93606	39
169413.6	405151.6	6.94178	40
169413.6	405254.2	7.79319	44
169413.6	405356.7	8.47752	44
169413.6	405459.3	10.11926	43
169413.6	405561.8	13.94145	42
169413.6	405664.4	25.30127	40
169413.6	405767.0	21.28738	39
169413.6	405869.5	16.17266	36
169413.6	405972.1	16.69017	36
169413.6	406074.7	18.18895	36
169413.6	406177.2	15.25013	33
169413.6	406279.8	11.65589	32
169413.6	406382.4	8.77233	30
169413.6	406484.9	6.99167	27
169413.6	406587.5	6.09494	26
169413.6	406690.1	5.59291	24
169413.6	406792.6	5.21693	24
169413.6	406895.2	5.28724	24
169413.6	406997.7	5.97452	23
169413.6	407100.3	13.26058	21
169413.6	407202.9	82.29338	21
169413.6	407305.4	20.50433	21
169413.6	407408.0	9.15075	20
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169516.2	403715.7	4.35874	21
169516.2	403818.3	4.40057	23
169516.2	403920.8	4.72012	27
169516.2	404023.4	5.45284	31
169516.2	404125.9	6.03871	33

169516.2	404228.5	6.57187	33
169516.2	404331.1	7.15964	34
169516.2	404433.6	7.36017	34
169516.2	404536.2	7.48980	34
169516.2	404638.8	7.36994	35
169516.2	404741.3	7.15815	36
169516.2	404843.9	7.42185	38
169516.2	404946.5	7.71667	38
169516.2	405049.0	7.57816	38
169516.2	405151.6	7.75595	39
169516.2	405254.2	8.32229	42
169516.2	405356.7	8.97059	43
169516.2	405459.3	10.00931	43
169516.2	405561.8	15.09882	42
169516.2	405664.4	86.76832	41
169516.2	405767.0	29.46606	38
169516.2	405869.5	14.44040	37
169516.2	405972.1	11.41051	37
169516.2	406074.7	11.76034	36
169516.2	406177.2	10.85677	34
169516.2	406279.8	9.27733	32
169516.2	406382.4	8.18776	30
169516.2	406484.9	7.03708	27
169516.2	406587.5	5.94799	26
169516.2	406690.1	5.39063	25
169516.2	406792.6	4.98237	24
169516.2	406895.2	4.87647	24
169516.2	406997.7	5.32556	23
169516.2	407100.3	8.03934	23
169516.2	407202.9	15.98756	21
169516.2	407305.4	12.84411	21
169516.2	407408.0	9.12463	19
169618.7	403408.0	3.97002	17
169618.7	403510.6	4.26408	18
169618.7	403613.1	4.41101	19
169618.7	403715.7	4.67324	23
169618.7	403818.3	4.90181	24
169618.7	403920.8	5.48111	29
169618.7	404023.4	6.03211	31
169618.7	404125.9	6.71473	33
169618.7	404228.5	7.40433	33
169618.7	404331.1	8.13919	34
169618.7	404433.6	9.21589	34
169618.7	404536.2	9.06925	34
169618.7	404638.8	8.47765	34
169618.7	404741.3	8.64983	36
169618.7	404843.9	8.90259	37
169618.7	404946.5	9.07754	39
169618.7	405049.0	9.04766	39
169618.7	405151.6	9.02572	38
169618.7	405254.2	9.11496	40
169618.7	405356.7	9.40661	41
169618.7	405459.3	10.94794	42
169618.7	405561.8	14.10534	42
169618.7	405664.4	20.71413	41
169618.7	405767.0	15.84517	39

169618.7	405869.5	12.21999	39
169618.7	405972.1	9.44724	37
169618.7	406074.7	9.40003	37
169618.7	406177.2	9.15640	34
169618.7	406279.8	8.29984	33
169618.7	406382.4	7.44393	32
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169618.7	406587.5	5.69812	26
169618.7	406690.1	5.31449	25
169618.7	406792.6	4.91341	24
169618.7	406895.2	4.63802	24
169618.7	406997.7	4.65687	23
169618.7	407100.3	5.27777	23
169618.7	407202.9	7.34726	22
169618.7	407305.4	7.60973	19
169618.7	407408.0	6.70786	19
169721.3	403408.0	4.43562	16
169721.3	403510.6	4.83529	17
169721.3	403613.1	5.10181	20
169721.3	403715.7	5.17321	23
169721.3	403818.3	5.50653	25
169721.3	403920.8	5.93421	28
169721.3	404023.4	6.98142	30
169721.3	404125.9	7.83401	33
169721.3	404228.5	8.58964	34
169721.3	404331.1	9.64583	34
169721.3	404433.6	11.32084	34
169721.3	404536.2	11.89895	35
169721.3	404638.8	10.54063	35
169721.3	404741.3	11.28857	36
169721.3	404843.9	11.99424	37
169721.3	404946.5	11.27377	36
169721.3	405049.0	11.08384	38
169721.3	405151.6	11.63384	38
169721.3	405254.2	10.68412	37
169721.3	405356.7	9.58330	38
169721.3	405459.3	10.02231	38
169721.3	405561.8	11.89017	40
169721.3	405664.4	13.16607	41
169721.3	405767.0	11.44277	39
169721.3	405869.5	10.07102	39
169721.3	405972.1	9.29775	39
169721.3	406074.7	9.56146	38
169721.3	406177.2	8.77508	35
169721.3	406279.8	7.77162	32
169721.3	406382.4	7.03799	30
169721.3	406484.9	6.10596	29
169721.3	406587.5	5.56961	27
169721.3	406690.1	5.04217	25
169721.3	406792.6	4.69308	24
169721.3	406895.2	4.45110	24
169721.3	406997.7	4.44408	23
169721.3	407100.3	4.51600	23
169721.3	407202.9	5.25758	22
169721.3	407305.4	5.48245	19
169721.3	407408.0	5.06796	18

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169823.8	403510.6	5.47969	18
169823.8	403613.1	6.07203	20
169823.8	403715.7	6.50294	22
169823.8	403818.3	6.62869	23
169823.8	403920.8	7.15900	26
169823.8	404023.4	7.91795	30
169823.8	404125.9	9.08666	33
169823.8	404228.5	10.31511	34
169823.8	404331.1	12.13460	35
169823.8	404433.6	14.45508	35
169823.8	404536.2	18.86100	35
169823.8	404638.8	15.73315	34
169823.8	404741.3	17.40101	35
169823.8	404843.9	16.02594	35
169823.8	404946.5	15.40980	35
169823.8	405049.0	15.09566	35
169823.8	405151.6	14.84515	36
169823.8	405254.2	11.49436	37
169823.8	405356.7	9.44023	36
169823.8	405459.3	9.93243	37
169823.8	405561.8	10.20938	38
169823.8	405664.4	10.74399	39
169823.8	405767.0	12.66014	39
169823.8	405869.5	11.83028	39
169823.8	405972.1	10.98525	39
169823.8	406074.7	11.73670	36
169823.8	406177.2	9.70620	36
169823.8	406279.8	8.00520	33
169823.8	406382.4	6.80212	31
169823.8	406484.9	6.17343	30
169823.8	406587.5	5.44744	29
169823.8	406690.1	4.80222	25
169823.8	406792.6	4.51993	25
169823.8	406895.2	4.20791	24
169823.8	406997.7	4.11770	23
169823.8	407100.3	4.21353	23
169823.8	407202.9	4.44539	20
169823.8	407305.4	4.54721	18
169823.8	407408.0	4.21763	16
169926.4	403408.0	5.71179	16
169926.4	403510.6	6.35108	18
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169926.4	403715.7	8.16376	21
169926.4	403818.3	8.04719	23
169926.4	403920.8	8.83602	25
169926.4	404023.4	10.06975	27
169926.4	404125.9	10.58433	30
169926.4	404228.5	11.54933	33
169926.4	404331.1	14.20086	33
169926.4	404433.6	20.00153	33
169926.4	404536.2	32.60125	33
169926.4	404638.8	36.41470	33
169926.4	404741.3	32.90889	33
169926.4	404843.9	21.17201	34
169926.4	404946.5	42.53799	34

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169926.4	405151.6	16.90560	33
169926.4	405254.2	11.81968	35
169926.4	405356.7	9.80564	36
169926.4	405459.3	9.20433	36
169926.4	405561.8	9.31765	36
169926.4	405664.4	11.20161	37
169926.4	405767.0	16.30666	37
169926.4	405869.5	27.71698	36
169926.4	405972.1	24.74011	35
169926.4	406074.7	16.22477	35
169926.4	406177.2	10.32718	35
169926.4	406279.8	8.14656	33
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169926.4	406484.9	6.12491	31
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169926.4	406690.1	4.57744	27
169926.4	406792.6	4.35816	25
169926.4	406895.2	4.09142	24
169926.4	406997.7	3.82570	21
169926.4	407100.3	3.79887	19
169926.4	407202.9	3.92338	18
169926.4	407305.4	3.83118	17
169926.4	407408.0	3.76523	16
170029.0	403408.0	6.75929	16
170029.0	403510.6	8.00360	17
170029.0	403613.1	9.46075	17
170029.0	403715.7	13.05041	20
170029.0	403818.3	11.85143	22
170029.0	403920.8	11.86099	23
170029.0	404023.4	12.60016	25
170029.0	404125.9	12.59962	30
170029.0	404228.5	13.26570	32
170029.0	404331.1	15.53869	33
170029.0	404433.6	23.33381	33
170029.0	404536.2	49.98132	32
170029.0	404638.8	226.14803	32
170029.0	404741.3	46.12245	31
170029.0	404843.9	24.10940	31
170029.0	404946.5	33.02283	32
170029.0	405049.0	30.79738	33
170029.0	405151.6	15.01273	33
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170029.0	405459.3	8.75157	36
170029.0	405561.8	9.00992	36
170029.0	405664.4	10.86551	35
170029.0	405767.0	19.84027	34
170029.0	405869.5	128.70494	34
170029.0	405972.1	63.49792	34
170029.0	406074.7	20.13536	34
170029.0	406177.2	12.33577	31
170029.0	406279.8	8.75043	31
170029.0	406382.4	7.00432	31
170029.0	406484.9	6.17277	30
170029.0	406587.5	5.31055	28

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170029.0	407305.4	3.54104	17
170029.0	407408.0	3.19920	15
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170131.5	403920.8	23.55592	22
170131.5	404023.4	17.29570	23
170131.5	404125.9	12.97930	27
170131.5	404228.5	13.66043	29
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170131.5	404638.8	63.57603	31
170131.5	404741.3	41.77643	31
170131.5	404843.9	74.26424	31
170131.5	404946.5	24.87755	32
170131.5	405049.0	17.22466	32
170131.5	405151.6	12.62502	33
170131.5	405254.2	10.57851	33
170131.5	405356.7	8.87951	34
170131.5	405459.3	8.21915	35
170131.5	405561.8	8.54180	34
170131.5	405664.4	10.03397	34
170131.5	405767.0	17.73664	33
170131.5	405869.5	48.33970	32
170131.5	405972.1	45.46290	31
170131.5	406074.7	20.77018	31
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170131.5	406587.5	5.34945	27
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170131.5	407305.4	3.19593	16
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170234.1	404843.9	41.34999	31
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170644.4	404946.5	8.12667	27

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171157.2	404843.9	6.70151	18
171157.2	404946.5	9.82893	18
171157.2	405049.0	24.30967	18
171157.2	405151.6	100.30780	18
171157.2	405254.2	17.79789	18
171157.2	405356.7	8.48680	18
171157.2	405459.3	6.05483	19
171157.2	405561.8	4.98659	19
171157.2	405664.4	4.39492	18
171157.2	405767.0	4.28798	18
171157.2	405869.5	4.14476	17
171157.2	405972.1	4.14233	17
171157.2	406074.7	3.97928	17
171157.2	406177.2	3.88213	17
171157.2	406279.8	3.13373	17
171157.2	406382.4	2.66505	15
171157.2	406484.9	2.52557	15
171157.2	406587.5	2.22077	14
171157.2	406690.1	1.71798	11
171157.2	406792.6	1.44805	10
171157.2	406895.2	1.34168	8
171157.2	406997.7	1.26213	8
171157.2	407100.3	1.16441	7
171157.2	407202.9	1.04181	6
171157.2	407305.4	0.97850	6
171157.2	407408.0	0.91854	5

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171259.7	403613.1	3.12623	11
171259.7	403715.7	3.20777	12
171259.7	403818.3	3.38680	13
171259.7	403920.8	3.47248	13
171259.7	404023.4	3.52844	13
171259.7	404125.9	3.54160	13
171259.7	404228.5	3.52631	14
171259.7	404331.1	3.70532	15
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171259.7	404536.2	3.98059	16
171259.7	404638.8	4.40333	16
171259.7	404741.3	5.31883	17
171259.7	404843.9	7.53654	17
171259.7	404946.5	8.39040	17
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171259.7	405254.2	16.65287	18
171259.7	405356.7	9.05748	18
171259.7	405459.3	6.23878	18
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171259.7	405664.4	4.04991	17
171259.7	405767.0	3.80288	16
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171259.7	406074.7	3.55788	15
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171259.7	406279.8	2.47848	13
171259.7	406382.4	2.35280	13
171259.7	406484.9	2.22338	14
171259.7	406587.5	1.74544	11
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171259.7	406895.2	1.29140	8
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171259.7	407305.4	0.94484	6
171259.7	407408.0	0.90206	5
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171362.3	403920.8	3.18984	13
171362.3	404023.4	3.19098	13
171362.3	404125.9	3.22682	13
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171362.3	404331.1	3.35941	14
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171362.3	404946.5	7.08818	16

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171362.3	407305.4	0.88377	6
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171464.9	406792.6	1.22660	9
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171464.9	407202.9	0.81813	5
171464.9	407305.4	0.77751	5
171464.9	407408.0	0.25308	3
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171567.4	404023.4	2.77057	11
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171567.4	404536.2	3.19383	14
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171567.4	405049.0	5.49750	15
171567.4	405151.6	5.99746	15
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171567.4	405767.0	3.45393	14
171567.4	405869.5	3.16095	14
171567.4	405972.1	2.42673	13
171567.4	406074.7	2.10116	12
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171567.4	406279.8	1.45199	9
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171567.4	406587.5	1.23628	9
171567.4	406690.1	1.19686	9
171567.4	406792.6	1.16447	9
171567.4	406895.2	1.10277	7
171567.4	406997.7	0.99502	6
171567.4	407100.3	0.82035	5
171567.4	407202.9	0.77786	5
171567.4	407305.4	0.27501	4
171567.4	407408.0	0.12437	1
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171670.0	403613.1	2.18059	9
171670.0	403715.7	2.18672	9
171670.0	403818.3	2.30351	10
171670.0	403920.8	2.53168	11
171670.0	404023.4	2.60848	11
171670.0	404125.9	2.66964	11

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171670.0	404331.1	2.76781	11
171670.0	404433.6	2.88419	13
171670.0	404536.2	3.03538	13
171670.0	404638.8	3.30813	13
171670.0	404741.3	3.88563	14
171670.0	404843.9	4.27507	15
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171670.0	405049.0	4.67523	15
171670.0	405151.6	5.04795	15
171670.0	405254.2	4.91810	15
171670.0	405356.7	4.68490	14
171670.0	405459.3	4.57992	14
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171670.0	405767.0	3.18592	14
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171670.0	406074.7	1.81232	10
171670.0	406177.2	1.48230	9
171670.0	406279.8	1.40976	9
171670.0	406382.4	1.31312	9
171670.0	406484.9	1.24168	9
171670.0	406587.5	1.19036	9
171670.0	406690.1	1.13582	9
171670.0	406792.6	1.09983	9
171670.0	406895.2	1.04182	7
171670.0	406997.7	0.94868	6
171670.0	407100.3	0.29765	4
171670.0	407202.9	0.28421	4
171670.0	407305.4	0.26985	3
171670.0	407408.0	0.11679	1