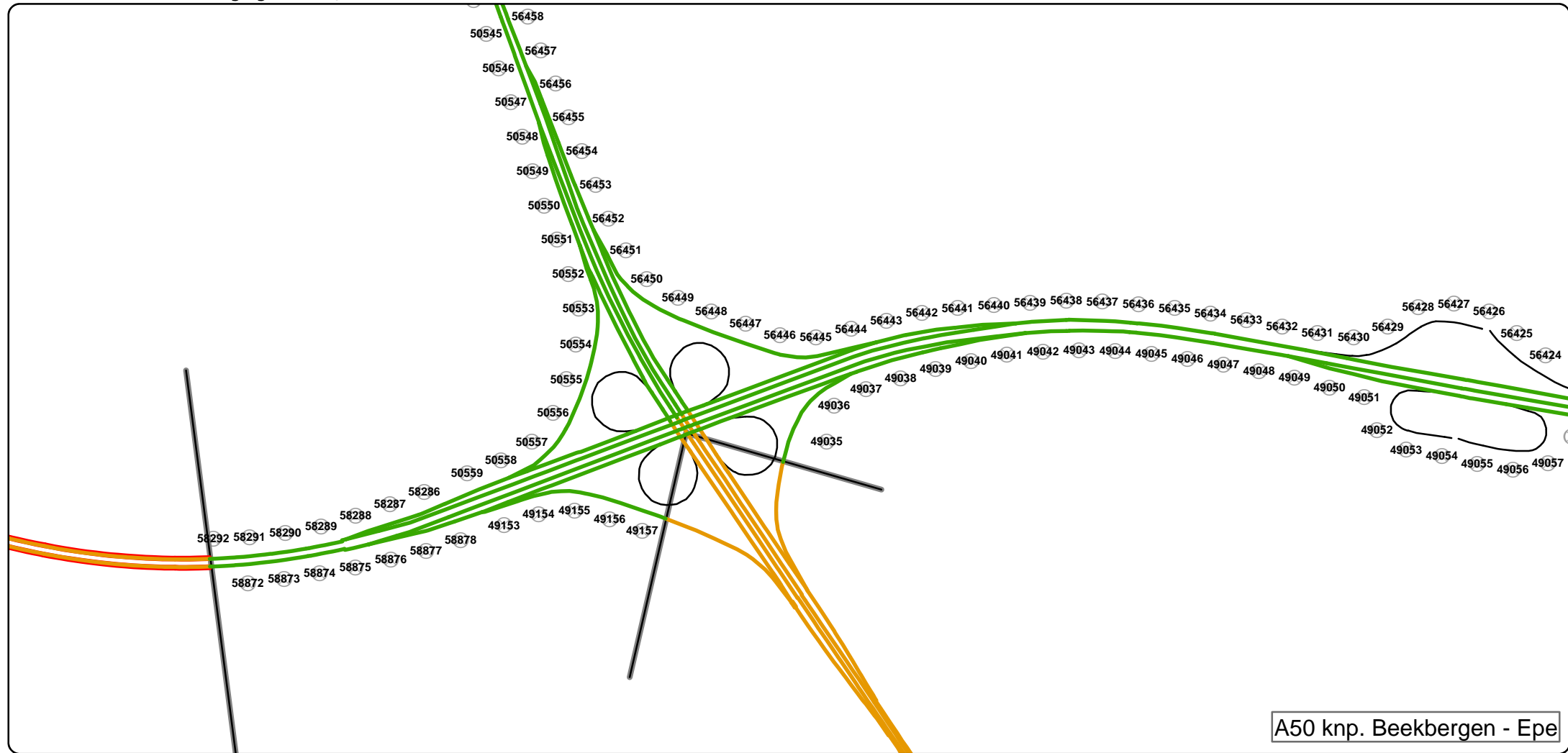


Bijlage 13

Titel	Traject A50 knp. Beekbergen - Epe
Omvang	30 pagina's
Bron	Silence / GIS
Toelichting	Uitgangspunten en resultaten van de toetsing op referentiepunten



A50 knp. Beekbergen - Epe

Legenda

Snelheidsbeeld na snelheidsverhoging

— Onderzoeksgrens

⊗ Referentiepunt

<100 km/h

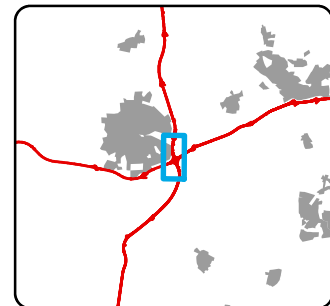
100 km/h

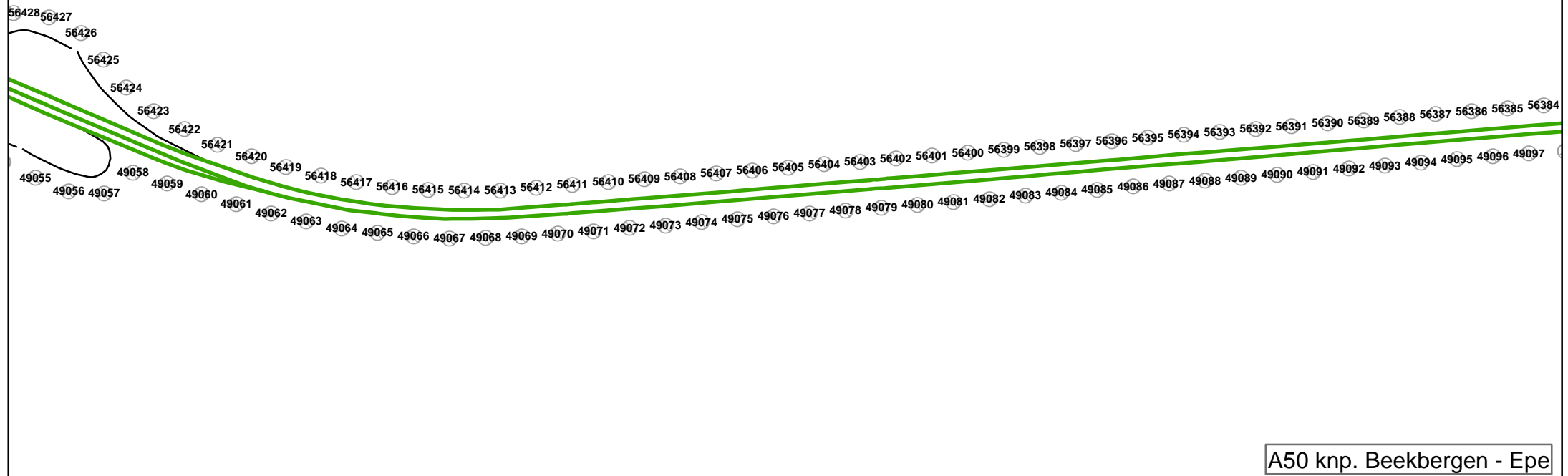
120 km/h

130 km/h

1:15 000

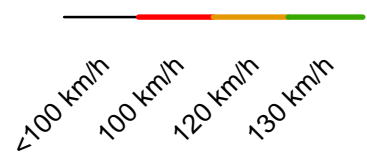
Kilometers



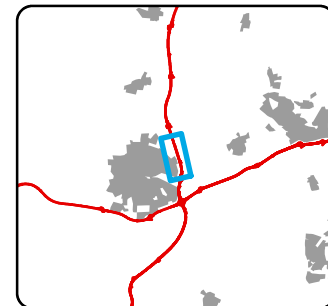
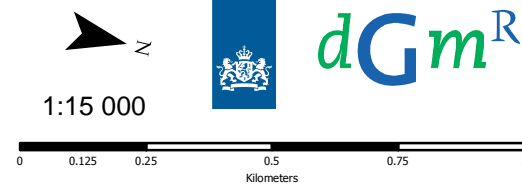


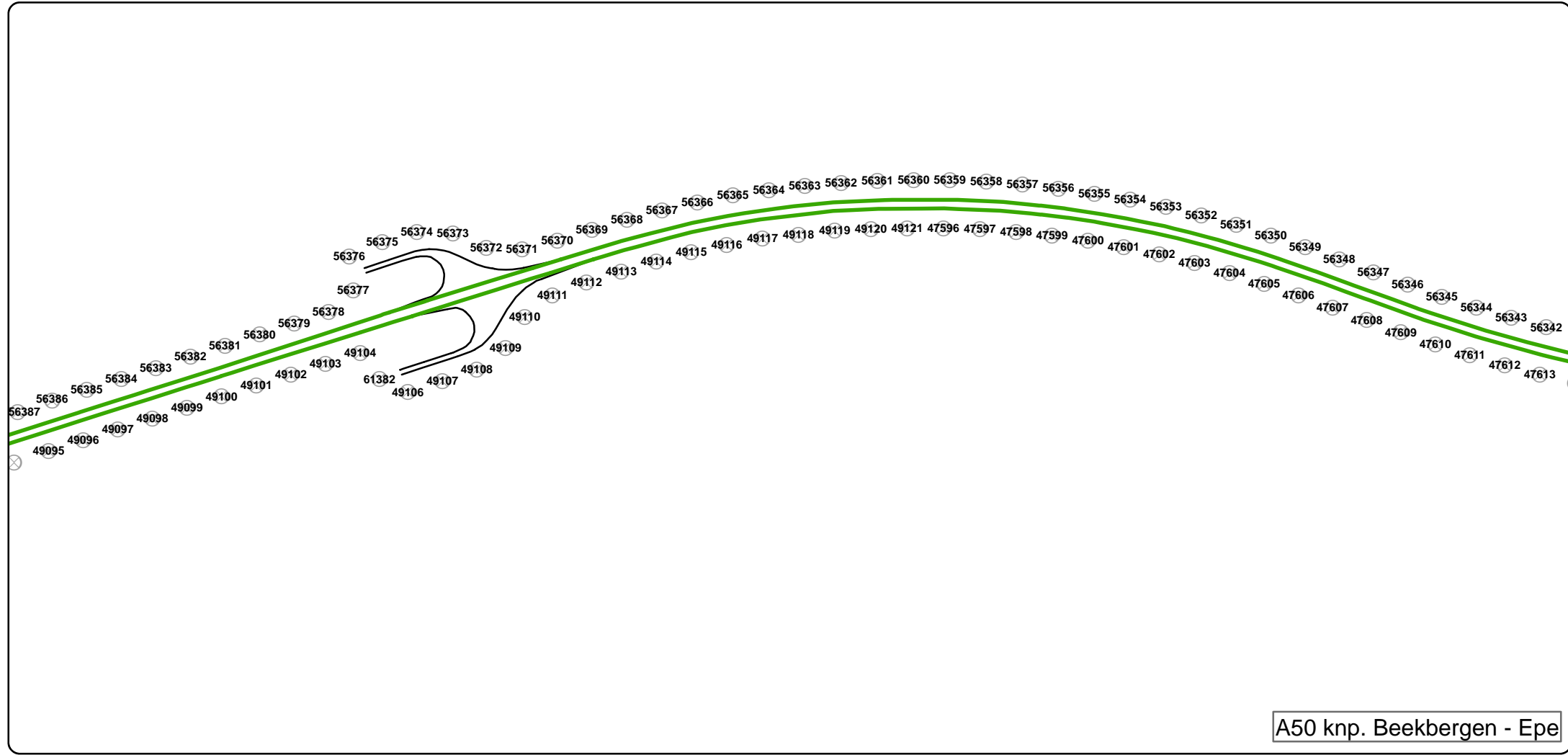
Legenda

Snelheidsbeeld na snelheidsverhoging



- Onderzoeksgrens
- ⊗ Referentiepunt





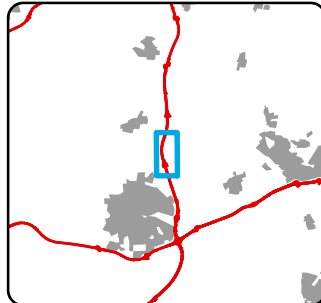
A50 knp. Beekbergen - Epe

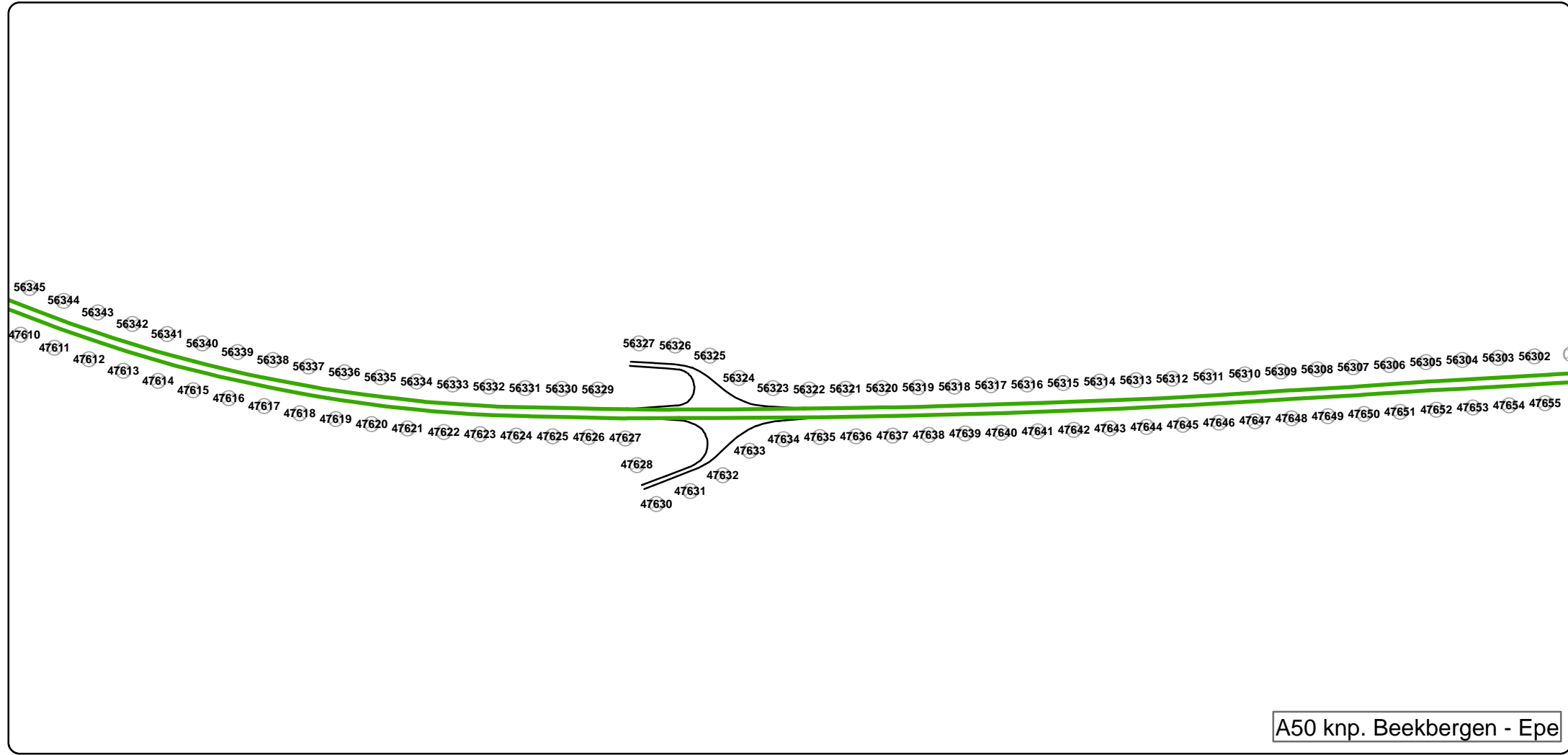
Legenda

Snelheidsbeeld na snelheidsverhoging

- Onderzoeksgrens
- ⊗ Referentiepunt

1:15 000





Legenda

Snelheidsbeeld na snelheidsverhoging

— Onderzoeksgrens

⊗ Referentiepunt

<100 km/h

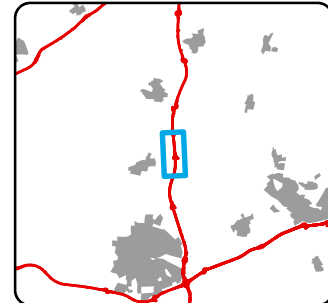
100 km/h

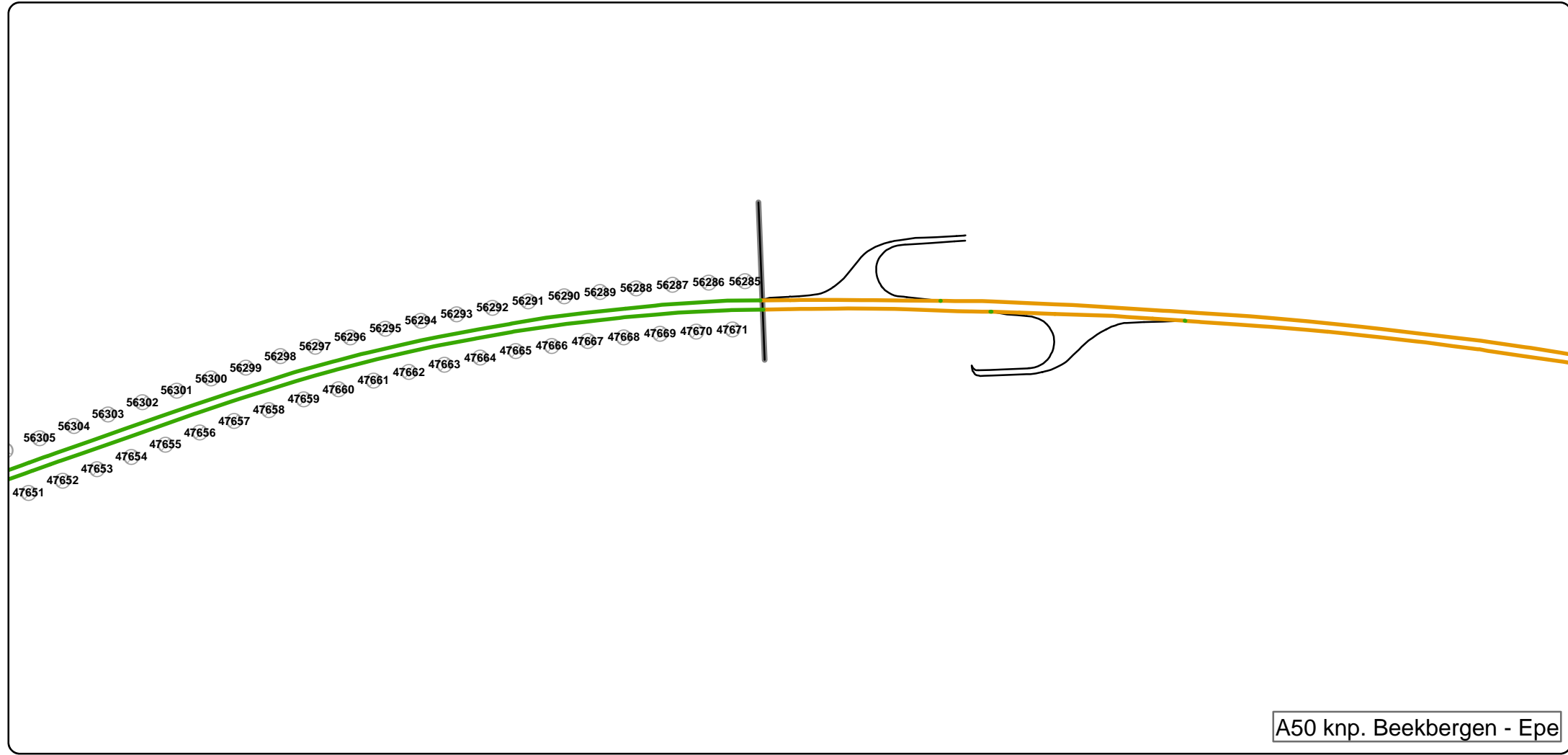
120 km/h

130 km/h

1:15 000

Kilometers



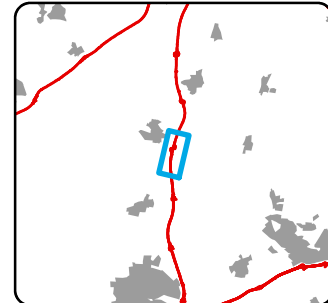


Legenda

Snelheidsbeeld na snelheidsverhoging

- <100 km/h, 100 km/h, 120 km/h, 130 km/h
- Onderzoeksgrens
- Referentiepunt

1:15 000



Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

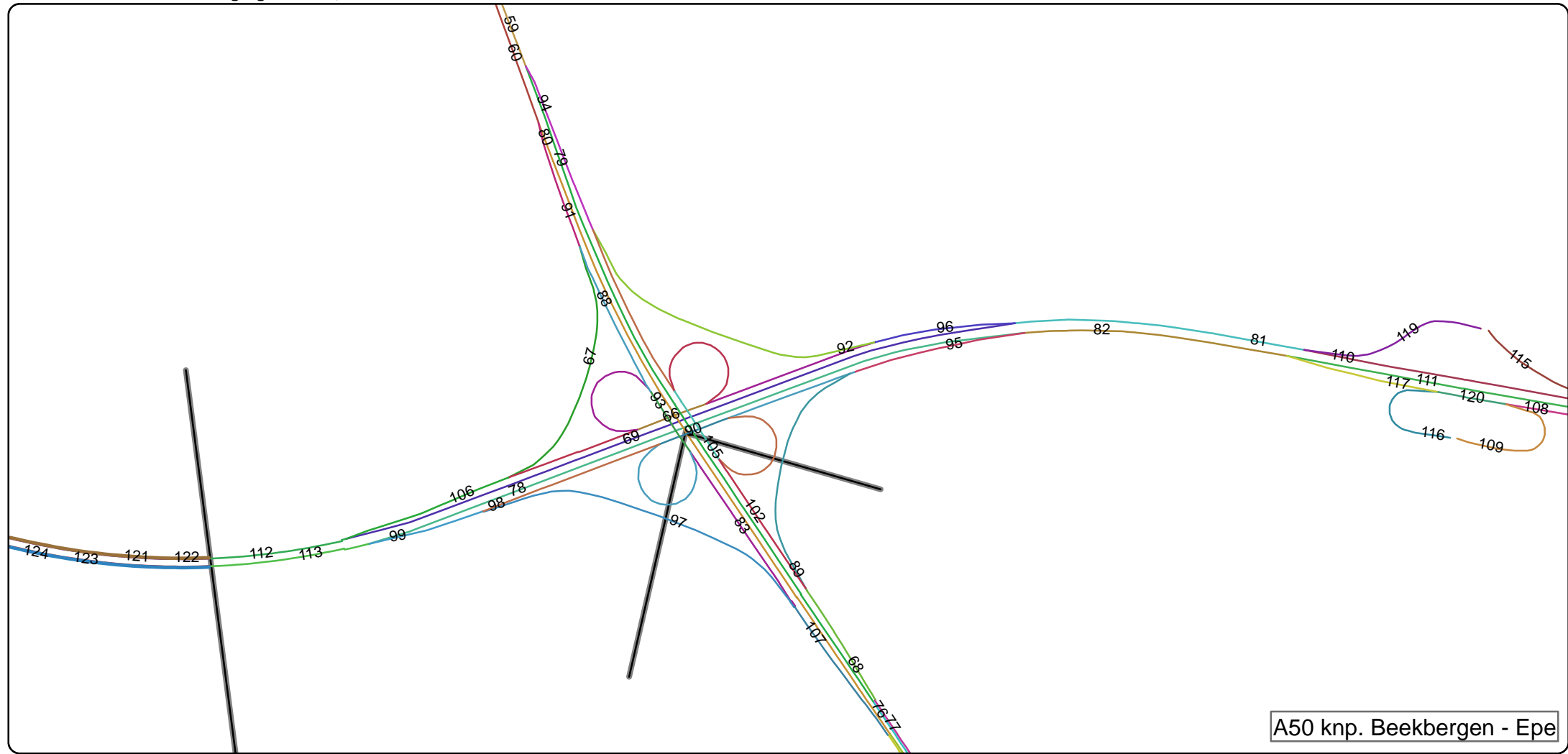
Uurintensiteiten

peiljaar 2016									
ID	Dag			Avond			Nacht		
	Lichte mvt.	middelzware	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.
59	2 082.0	134.0	137.0	899.0	39.0	58.0	455.0	46.0	77.0
60	2 122.0	147.0	137.0	1 087.0	53.0	83.0	297.0	34.0	54.0
66	1 048.0	68.0	78.0	428.0	20.0	35.0	156.0	21.0	43.0
67	106.0	6.0	6.0	32.0	2.0	2.0	7.0	1.0	1.0
68	1 154.0	75.0	82.0	482.0	21.0	36.0	183.0	24.0	46.0
69	1 208.0	106.0	146.0	539.0	28.0	50.0	222.0	22.0	40.0
74	1 315.0	-	-	672.0	-	-	180.0	-	-
75	1 315.0	192.0	205.0	672.0	74.0	135.0	180.0	44.0	77.0
76	1 341.5	-	-	581.0	-	-	283.0	-	-
77	1 341.5	185.0	201.0	581.0	56.0	90.0	283.0	66.0	122.0
78	1 354.0	103.0	140.0	662.0	32.0	58.0	202.0	26.0	61.0
79	1 529.0	110.0	120.0	681.0	34.0	54.0	383.0	42.0	77.0
80	1 698.0	120.0	119.0	924.0	47.0	78.0	246.0	30.0	52.0
81	1 909.0	132.0	159.0	827.0	34.0	54.0	314.0	26.0	41.0
82	2 003.0	139.0	158.0	928.0	40.0	63.0	298.0	33.0	65.0
83	224.0	7.0	2.0	81.0	2.0	1.0	24.0	1.0	-
88	318.0	22.0	12.0	131.0	5.0	3.0	44.0	2.0	-
89	330.0	14.0	5.0	135.0	3.0	2.0	52.0	4.0	3.0
90	394.0	28.0	18.0	143.0	5.0	4.0	49.0	2.0	-
91	424.0	28.0	18.0	163.0	6.0	5.0	51.0	3.0	2.0
92	477.0	19.0	11.0	206.0	4.0	3.0	68.0	3.0	-
93	542.0	29.0	14.0	213.0	6.0	4.0	68.0	3.0	1.0
94	553.0	25.0	17.0	218.0	5.0	4.0	72.0	4.0	-
95	648.0	36.0	17.0	266.0	8.0	5.0	96.0	6.0	3.0
96	701.0	26.0	13.0	287.0	6.0	4.0	92.0	4.0	1.0
97	708.0	65.0	84.0	339.0	26.0	56.0	90.0	13.0	25.0
98	76.0	6.0	6.0	12.0	1.0	1.0	5.0	-	-
99	784.0	71.0	90.0	350.0	27.0	57.0	95.0	13.0	25.0
102	824.0	61.0	77.0	346.0	18.0	34.0	131.0	20.0	43.0
105	900.0	67.0	83.0	358.0	19.0	35.0	136.0	20.0	43.0
106	929.0	67.0	83.0	378.0	20.0	36.0	139.0	21.0	44.0
107	932.0	73.0	86.0	420.0	28.0	57.0	114.0	14.0	25.0
108	157.0	7.0	5.0	82.0	3.0	3.0	21.0	2.0	4.0
109	160.7	6.2	3.7	103.5	1.6	1.1	21.1	0.8	0.7
110	1 621.0	122.0	143.0	699.0	31.0	48.0	270.0	25.0	40.0
111	1 722.0	129.0	147.0	782.0	38.0	59.0	247.0	31.0	62.0
112	2 137.0	172.0	229.0	917.0	48.0	86.0	361.0	43.0	84.0
113	2 138.0	174.0	231.0	1 012.0	59.0	115.0	297.0	40.0	86.0
114	267.6	11.1	5.1	120.6	3.1	1.3	46.9	2.3	1.3
115	270.7	19.7	18.8	132.4	8.3	10.2	48.6	2.6	4.0
116	271.9	15.8	18.7	126.5	5.1	9.4	43.8	2.0	3.7
117	281.0	10.0	11.0	146.0	3.0	4.0	52.0	2.0	3.0
118	293.9	12.1	5.6	132.4	3.4	1.4	51.5	2.5	1.4
119	313.2	12.9	6.0	141.2	3.7	1.4	54.9	2.7	1.6

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Uurintensiteiten

ID	peiljaar 2016								
	Dag			Avond			Nacht		
	Lichte mvt.	middelzware	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.
120	438.0	17.0	16.0	228.0	6.0	7.0	73.0	4.0	7.0
121	712.3	-	-	305.7	-	-	120.3	-	-
122	712.3	86.0	114.5	305.7	24.0	43.0	120.3	21.5	42.0
123	712.7	-	-	337.3	-	-	99.0	-	-
124	712.7	87.0	115.5	337.3	29.5	57.5	99.0	20.0	43.0
707	1868.0	134.0	150.0	808.0	34.0	50.0	304.0	27.0	44.0
708	1879.0	136.0	152.0	864.0	41.0	62.0	268.0	33.0	65.0
709	1730.0	122.0	141.0	760.0	33.0	49.0	290.0	27.0	44.0
710	1771.0	129.0	146.0	829.0	40.0	61.0	251.0	32.0	64.0
711	1937.0	131.0	148.0	835.0	35.0	52.0	319.0	29.0	47.0
712	1996.0	140.0	155.0	920.0	44.0	65.0	277.0	35.0	68.0
713	379.5	10.2	11.3	201.5	4.6	7.0	60.9	1.3	2.2
714	397.7	10.7	11.8	211.2	4.8	7.3	63.9	1.3	2.3
715	432.0	12.5	14.3	198.6	4.3	7.6	71.3	2.2	4.4
716	70.9	4.5	5.8	31.3	1.9	3.1	14.9	0.7	1.5
717	967.2	42.8	40.2	482.6	16.8	21.8	148.5	6.0	8.7
718	1714.0	126.0	143.0	714.0	34.0	50.0	288.0	28.0	47.0
719	172.5	6.9	7.5	90.9	3.2	4.9	33.7	1.0	1.9
720	1784.0	129.0	146.0	833.0	41.0	62.0	243.0	33.0	64.0
721	1883.0	137.0	153.0	783.0	37.0	53.0	313.0	31.0	52.0
722	190.6	20.0	23.1	97.4	7.9	14.2	37.1	3.7	7.5
723	1939.0	136.0	150.0	914.0	43.0	64.0	272.0	35.0	66.0
724	957.1	34.1	44.1	472.3	13.3	22.8	181.9	6.1	11.1
725	981.9	95.5	89.6	499.3	38.5	50.8	184.1	15.7	22.1
726	1602.0	115.0	137.0	667.0	31.0	47.0	274.0	27.0	49.0
727	1654.0	115.0	138.0	689.0	31.0	47.0	282.0	27.0	49.0
728	1662.0	117.0	137.0	787.0	39.0	59.0	231.0	30.0	59.0
729	1708.0	119.0	139.0	807.0	39.0	59.0	237.0	31.0	60.0
730	22.6	6.5	8.6	12.3	2.2	4.1	4.4	2.1	3.1
731	338.9	16.3	22.3	168.2	5.8	12.0	59.0	3.0	6.8
732	52.7	13.2	13.1	29.1	5.7	8.2	10.4	2.0	3.3
733	73.2	7.0	6.6	37.0	2.2	3.2	15.9	1.3	1.8
48	-	-	-	-	-	-	-	-	-



Legenda

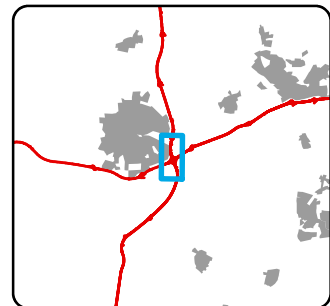
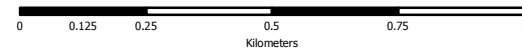
— Onderzoeksgrens

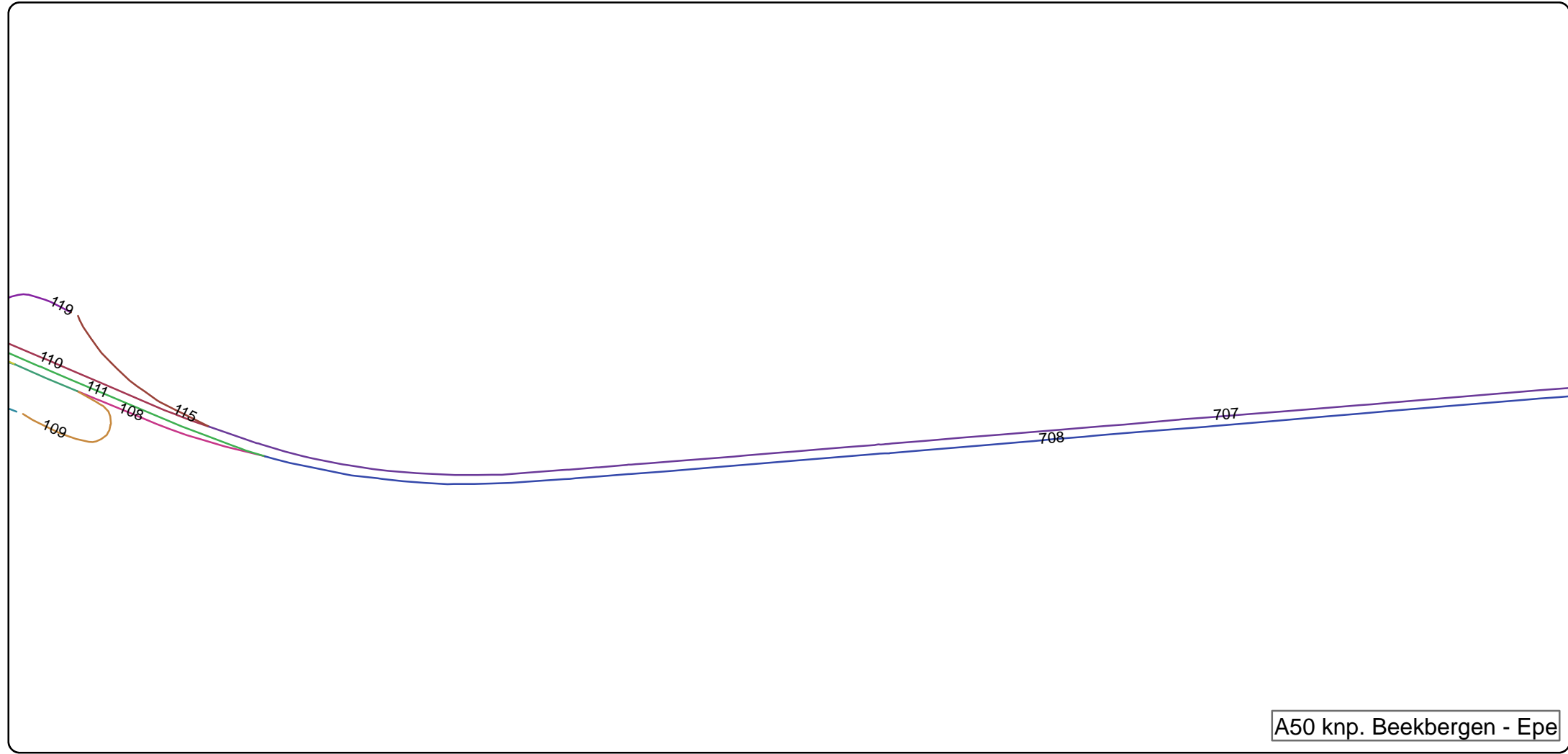


1:15 000



dGm^R

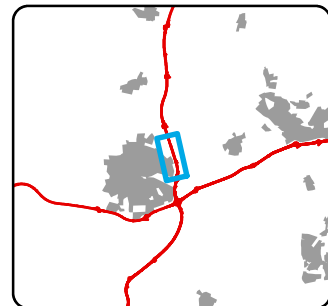
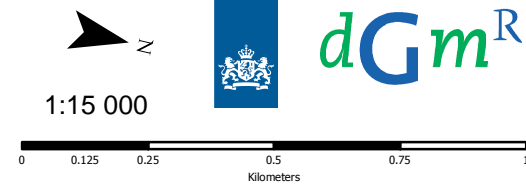


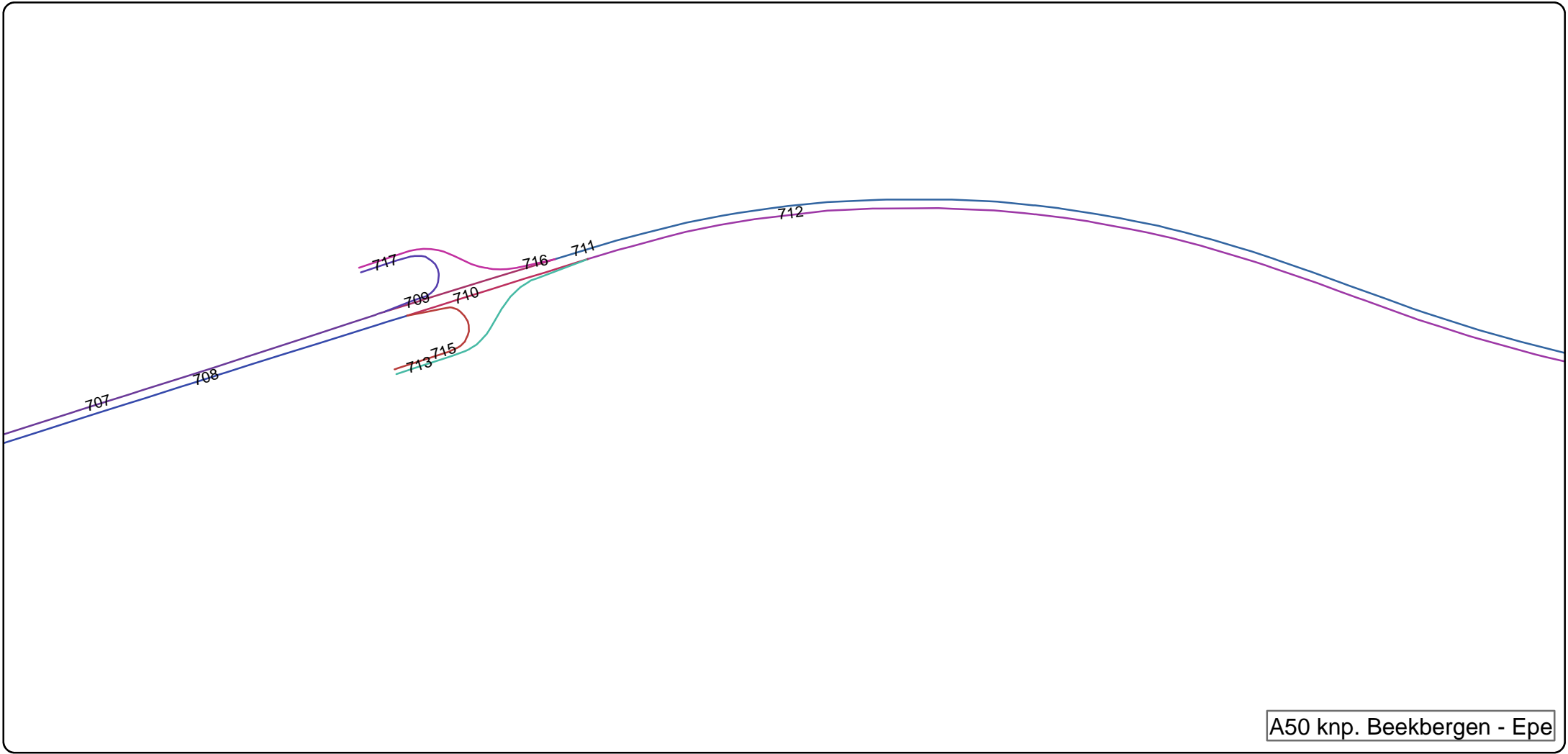


A50 knp. Beekbergen - Epe

Legenda

— Onderzoeksgrens





Legenda

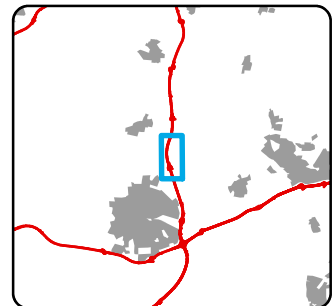
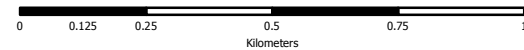
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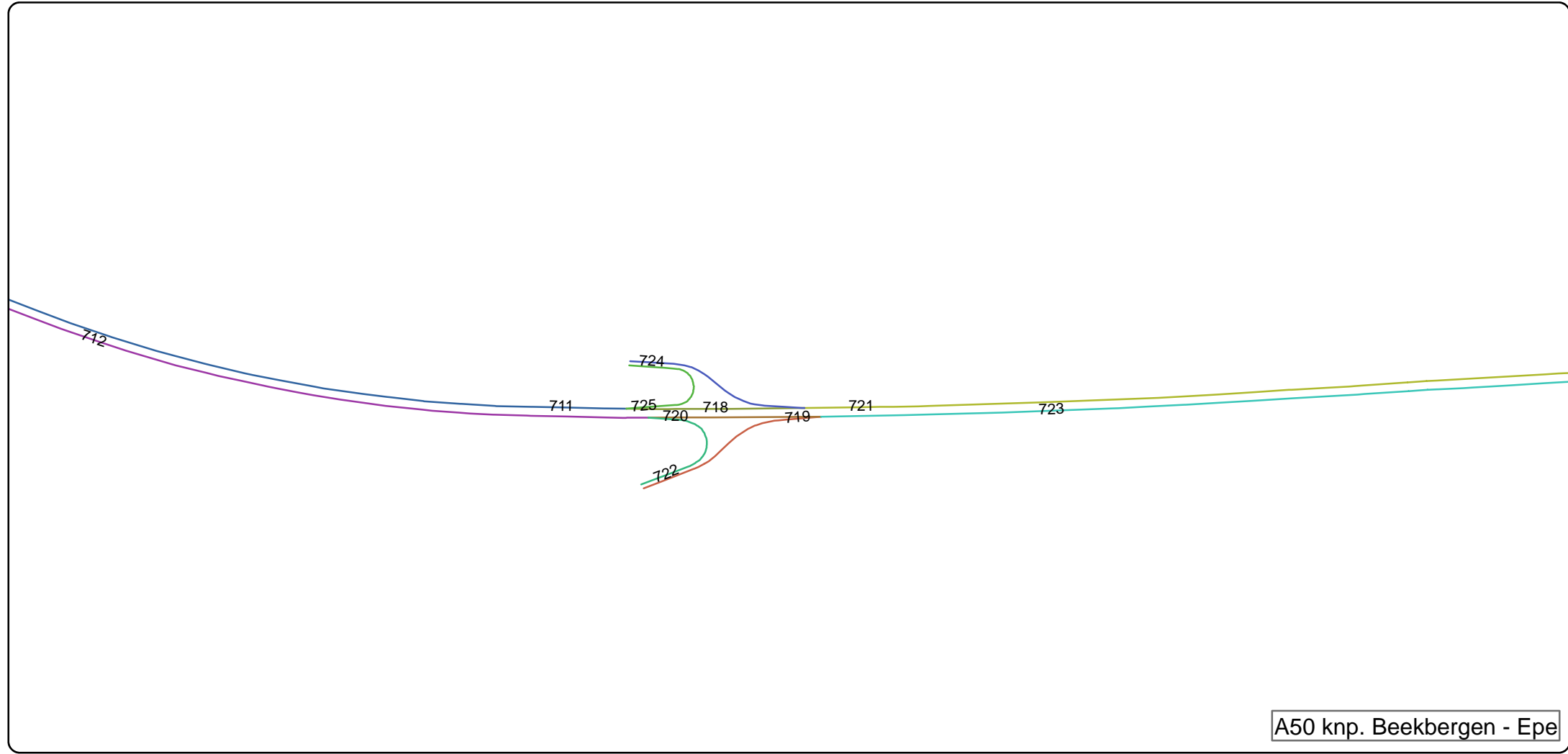


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dGm^R



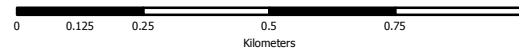


Legenda

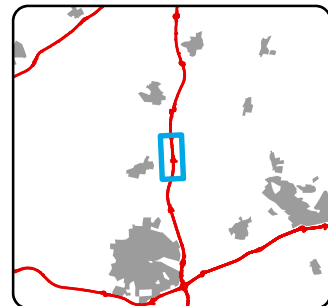
— Onderzoeksgrens

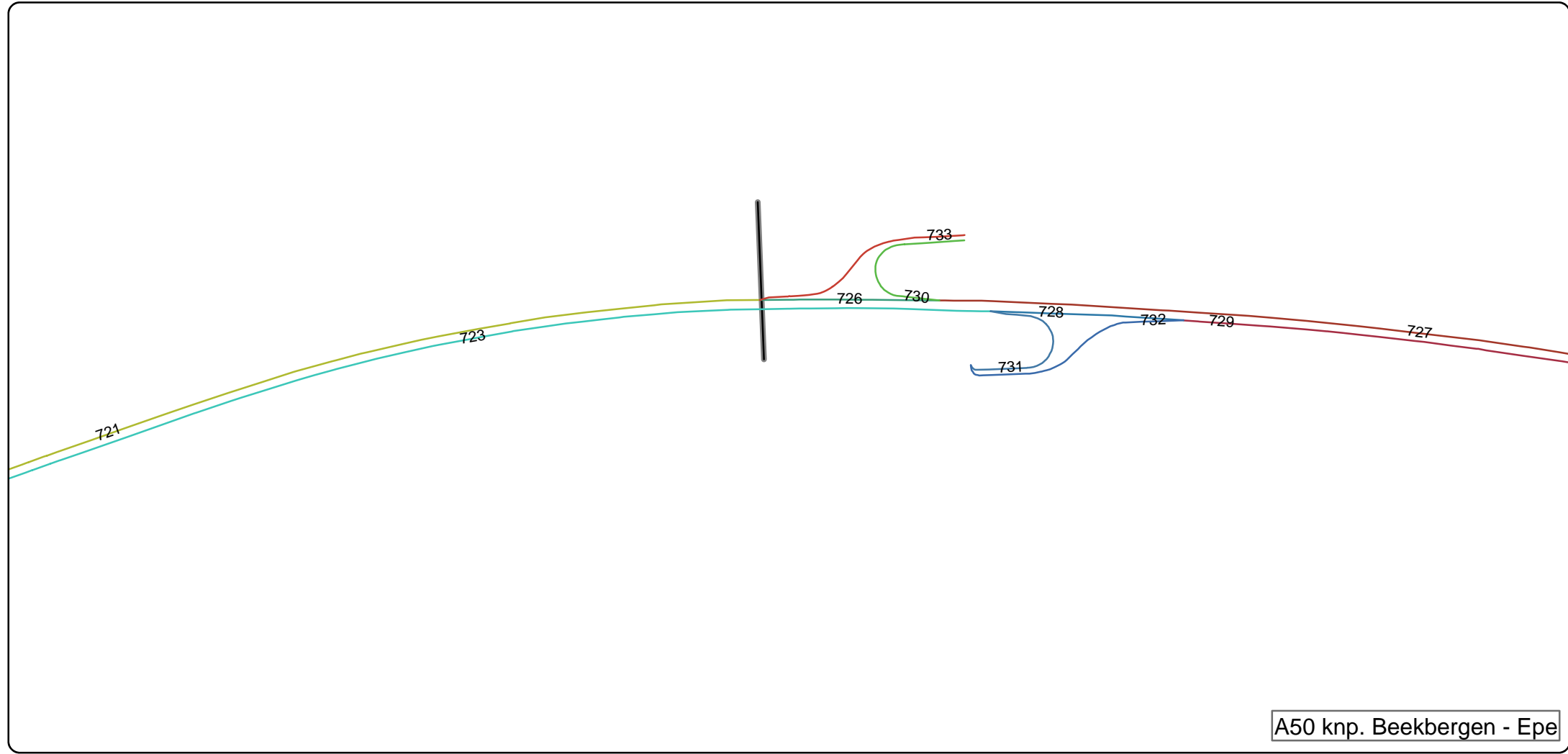


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dGm^R



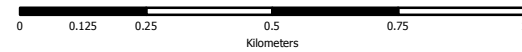


Legenda

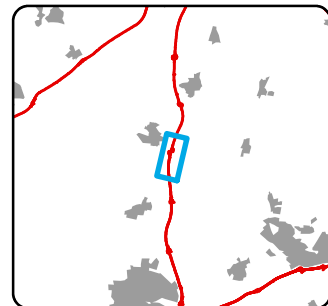
— Onderzoeksgrens

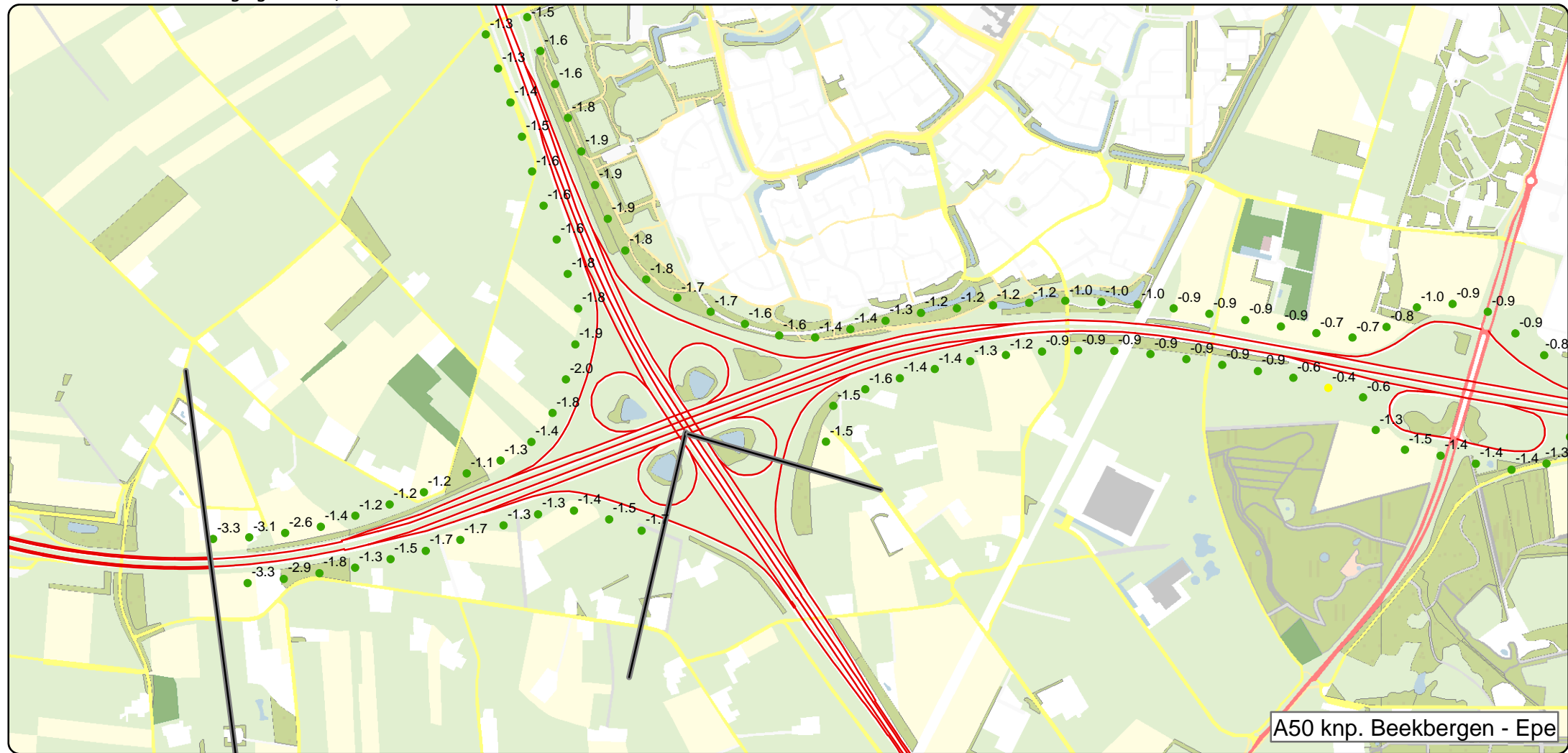


1:15 000



dGm^R





A50 knp. Beekbergen - Epe

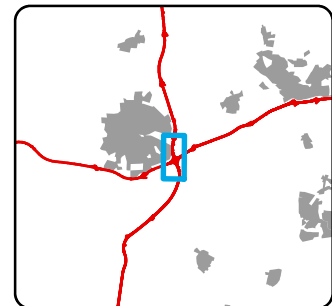
Legenda
Verschil met GPP

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GGP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

— Onderzoeksgrens
 — Rijkswegen

1:15 000

 Kilometers



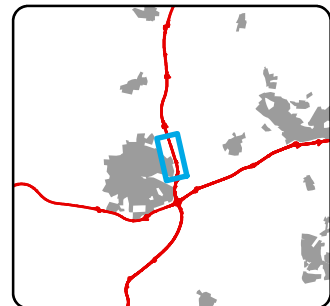
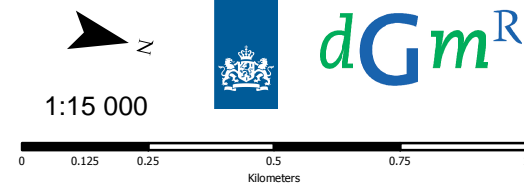


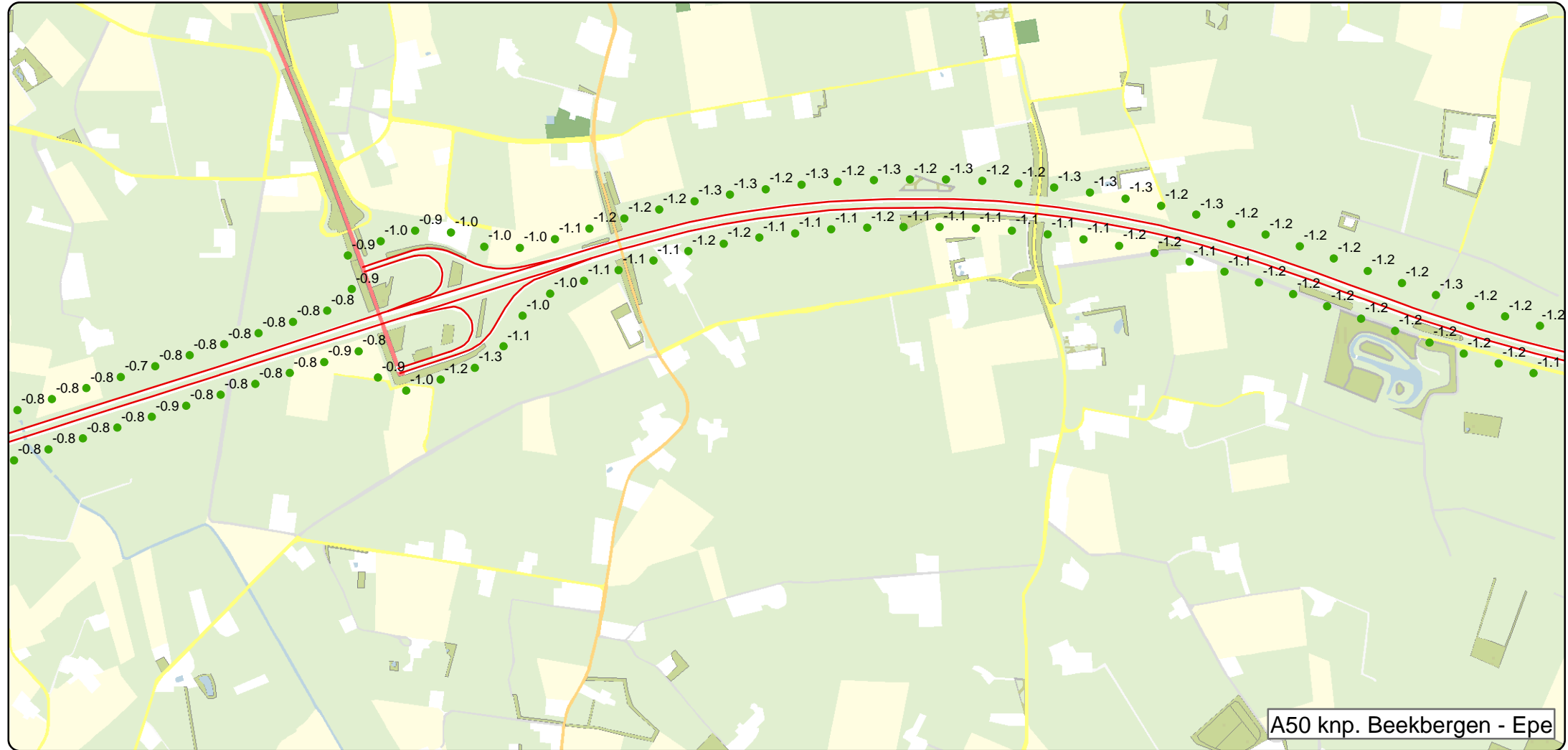
A50 knp. Beekbergen - Epe

**Legenda
Verschil met GPP**

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GGP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

- Onderzoeksgrens
- Rijkswegen

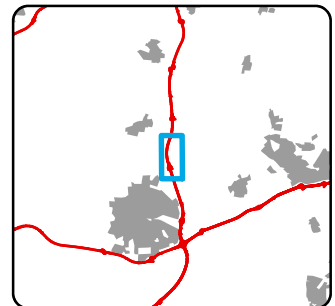
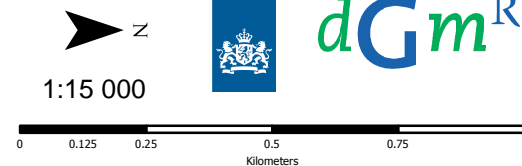


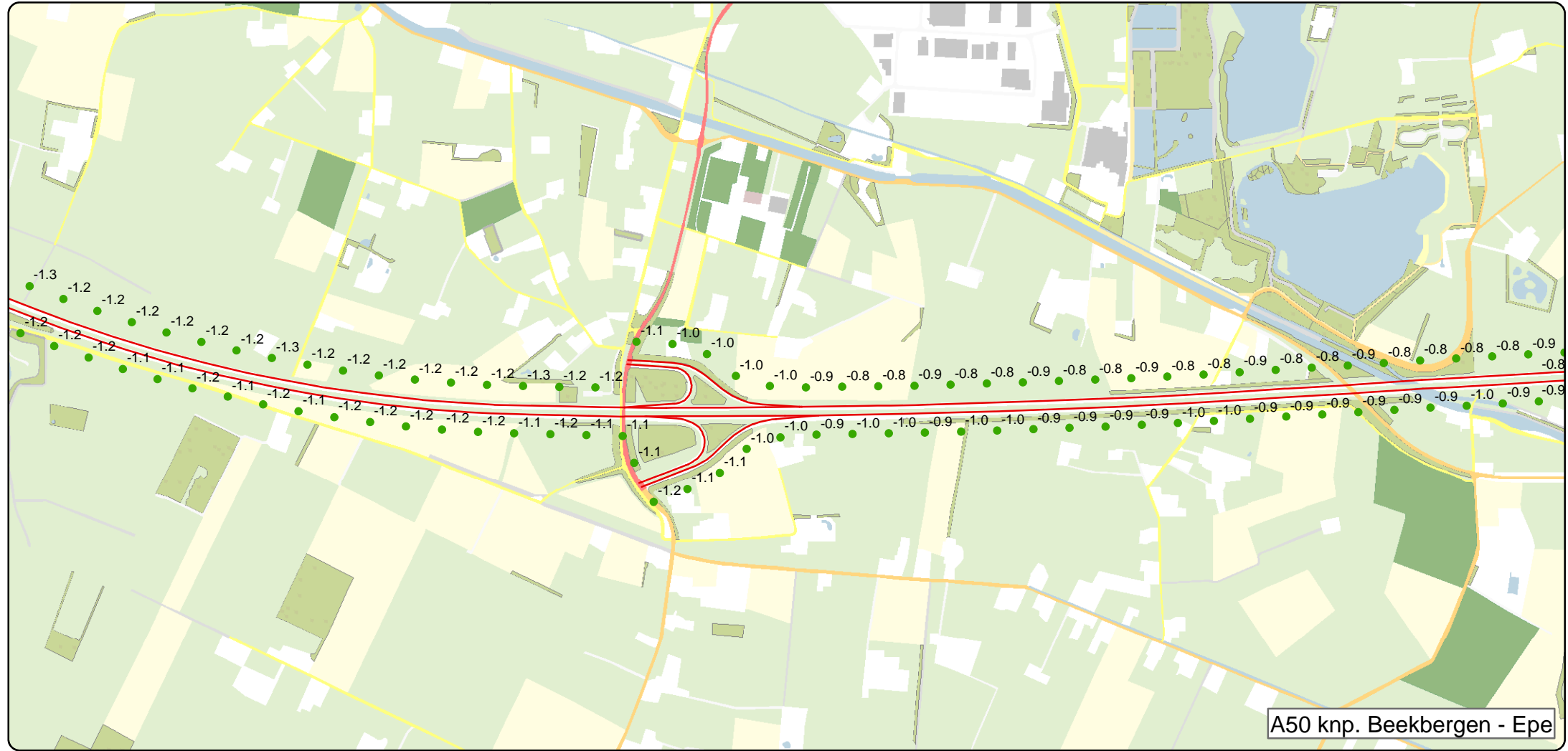


**Legenda
Verschil met GPP**

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GGP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

- Onderzoeksgrens
- Rijkswegen

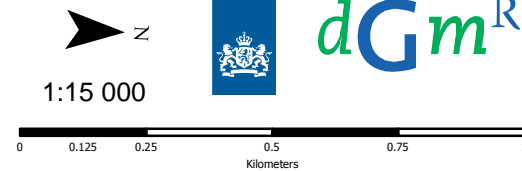


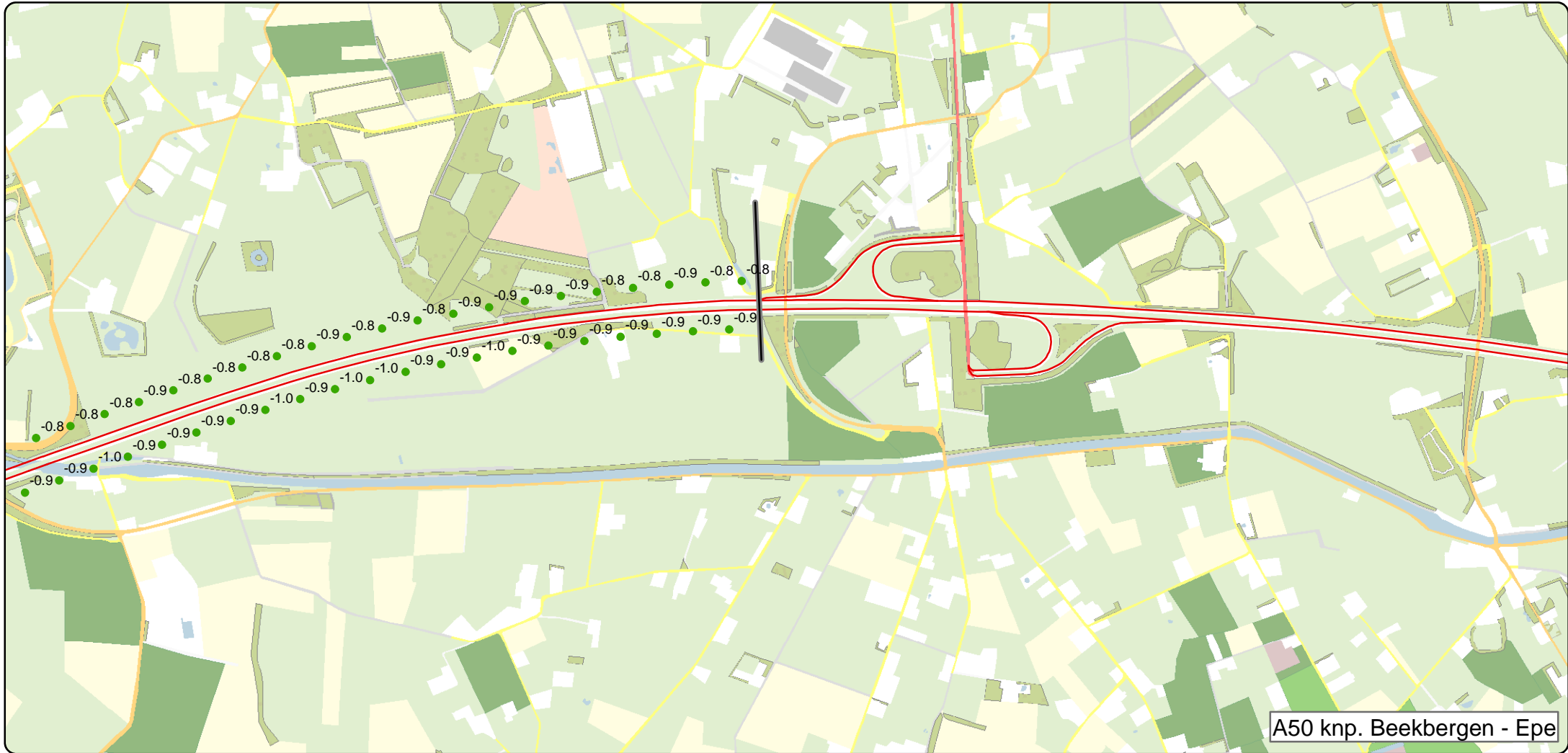


**Legenda
Verschil met GPP**

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GGP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

- Onderzoeksgrens
- Rijkswegen



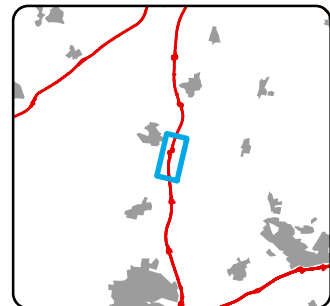
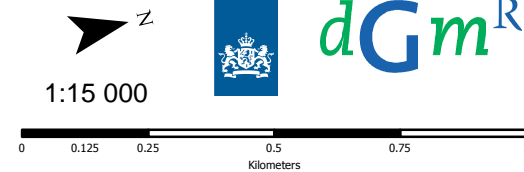


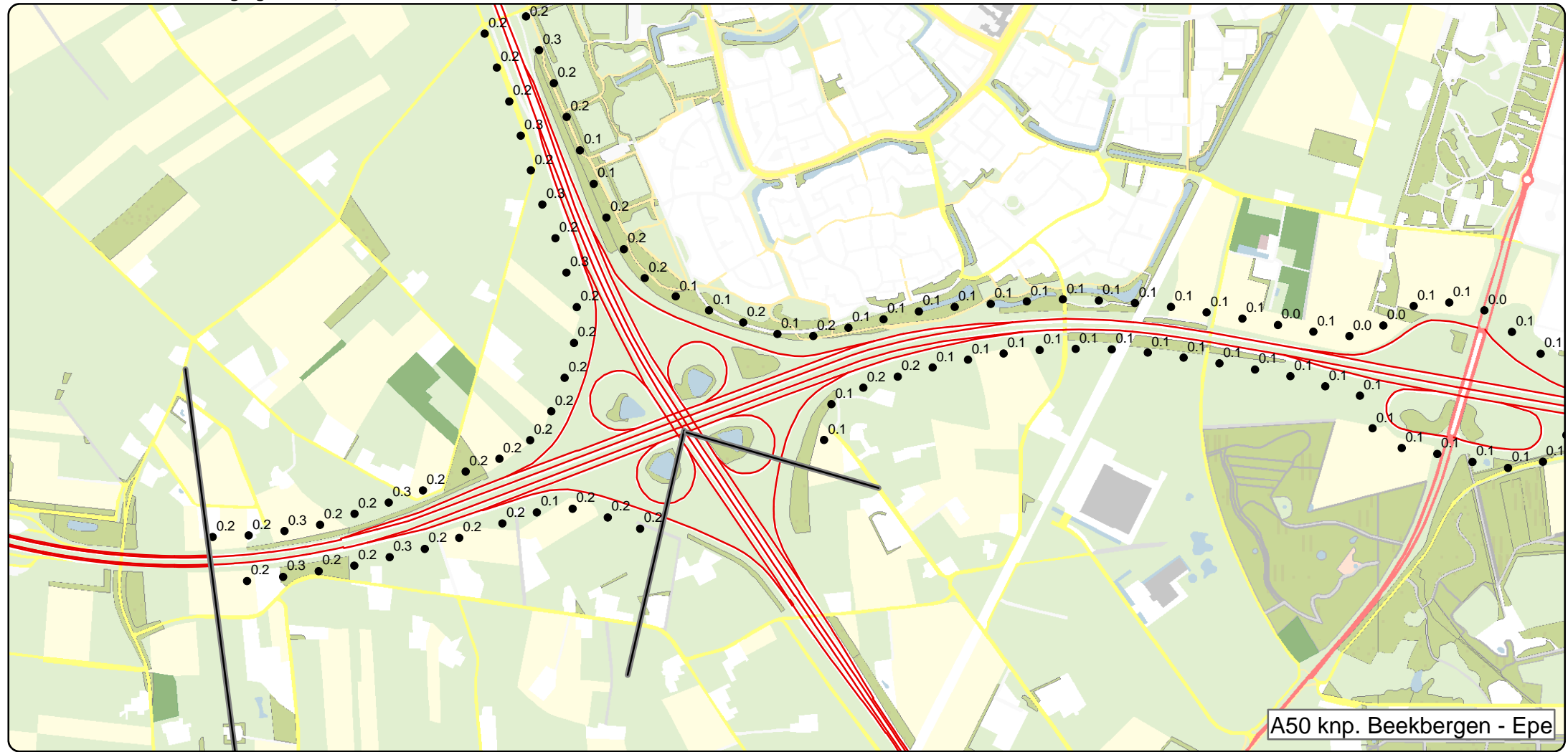
A50 knp. Beekbergen - Epe

**Legenda
Verschil met GPP**

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GGP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

- Onderzoeksgrens
- Rijkswegen



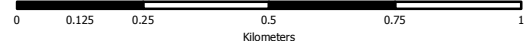


Legenda

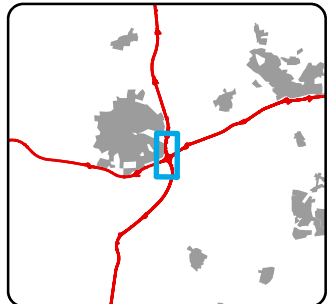
- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen



1:15 000



dGm^R

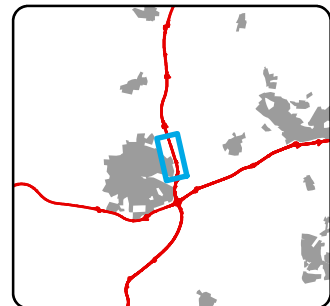
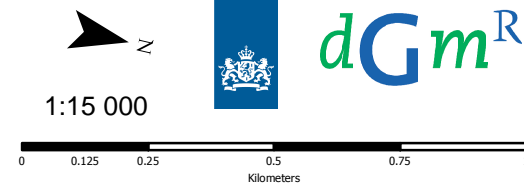


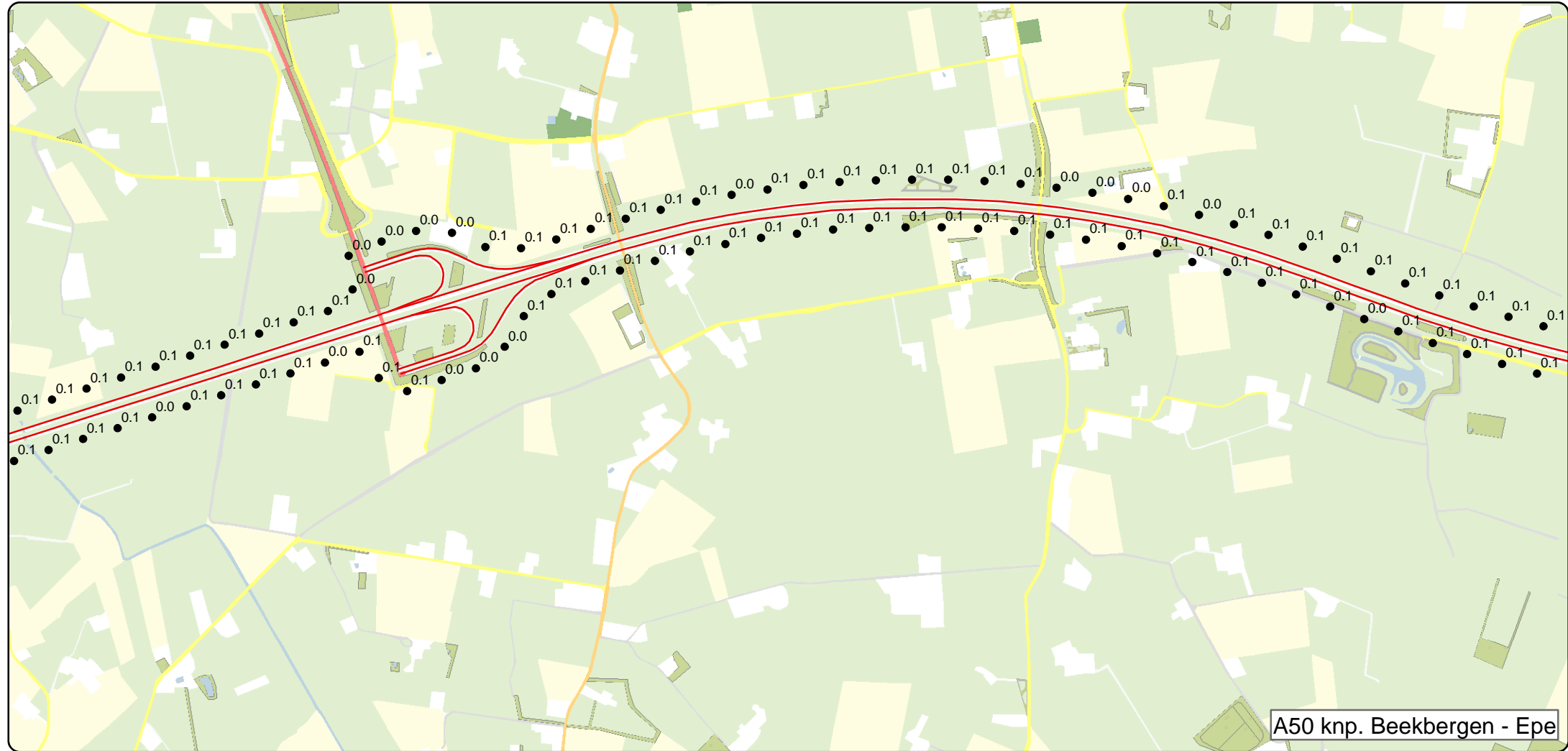


A50 knp. Beekbergen - Epe

Legenda

- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen

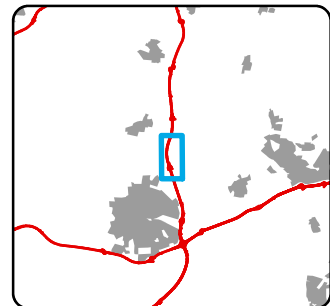
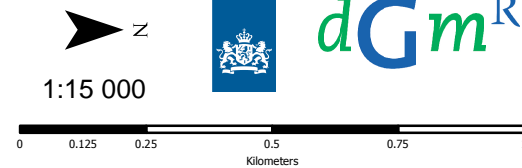


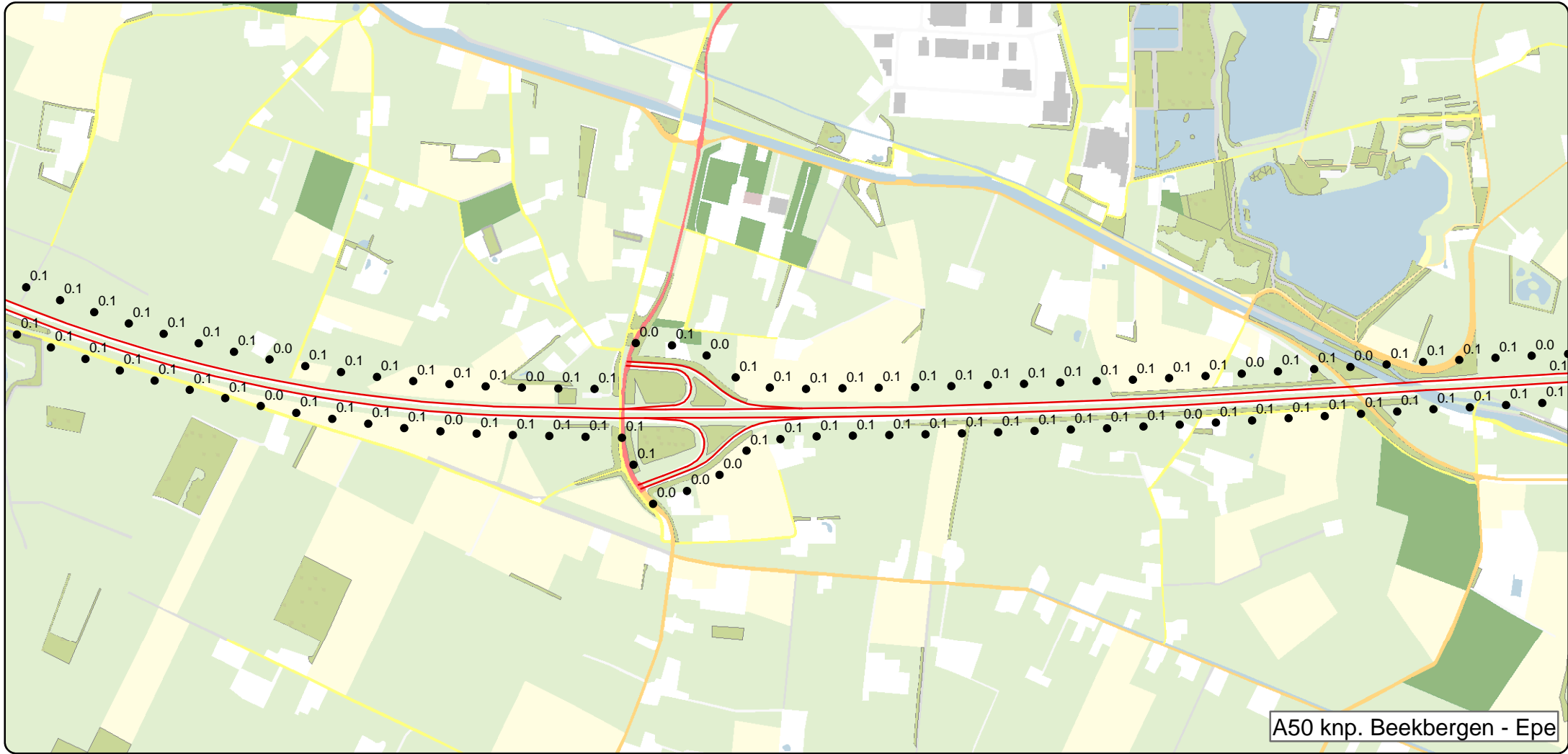


A50 knp. Beekbergen - Epe

Legenda

- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen

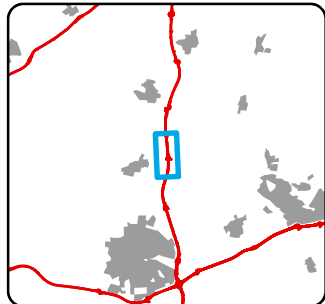
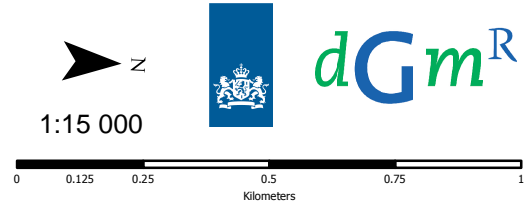


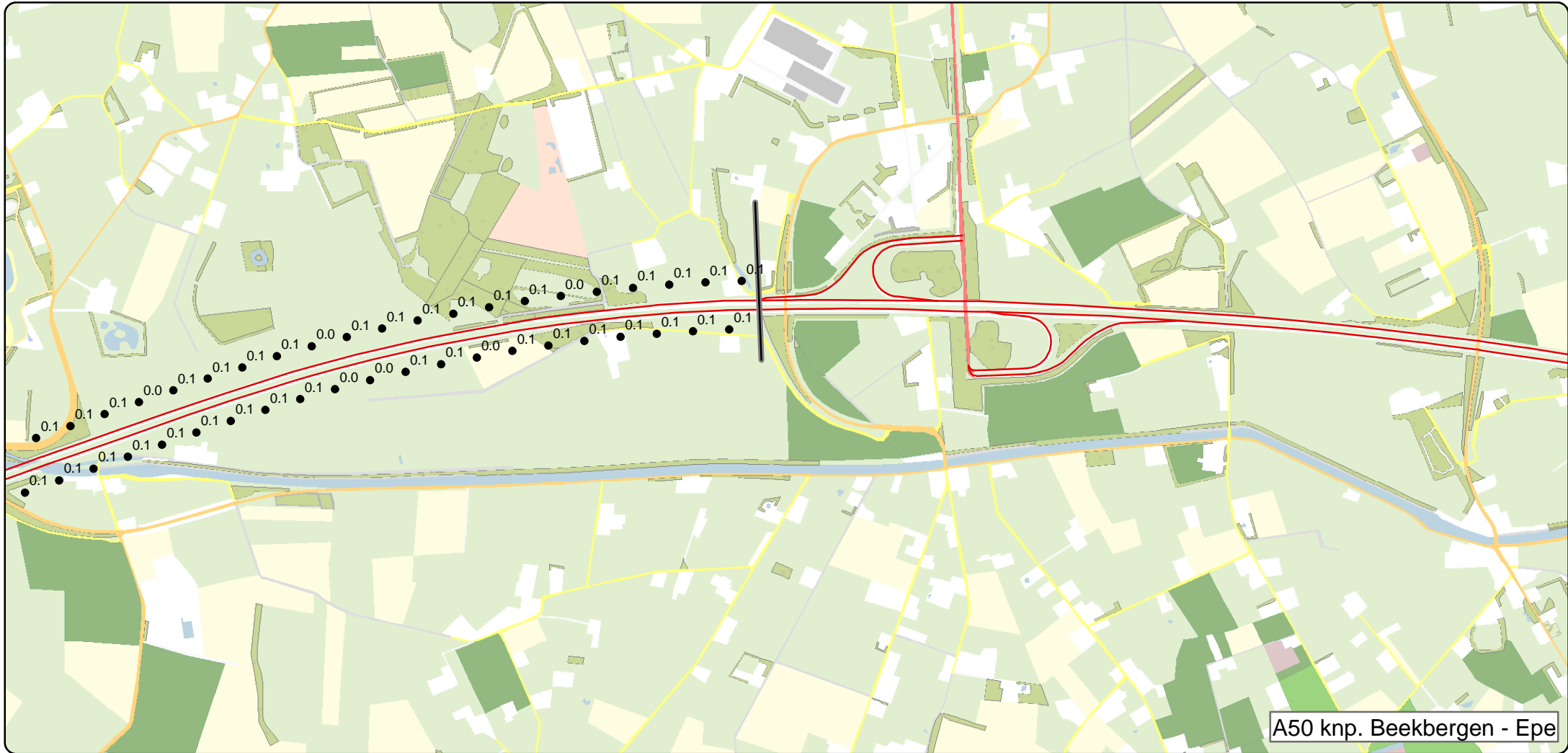


A50 knp. Beekbergen - Epe

Legenda

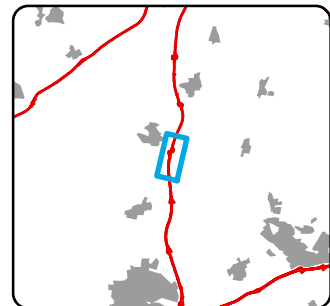
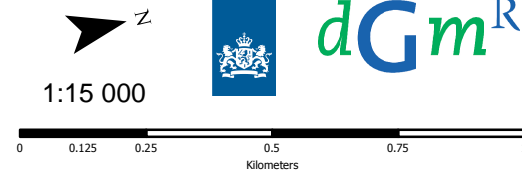
- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen





Legenda

- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen



Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
47596	197010.51	475304.35	68.8	67.7	-1.1
47597	197014.37	475404.29	68.5	67.4	-1.1
47598	197020.89	475504.06	67.9	66.8	-1.1
47599	197031.36	475603.51	67.9	66.8	-1.1
47600	197044.83	475702.61	68.6	67.5	-1.1
47601	197063.12	475800.94	68.6	67.4	-1.2
47602	197082.82	475898.98	68.8	67.6	-1.2
47603	197106.93	475996.04	68.9	67.8	-1.1
47604	197134.88	476092.05	68.8	67.7	-1.1
47605	197164.32	476187.64	69.0	67.8	-1.2
47606	197197.06	476282.14	69.1	67.9	-1.2
47607	197230.62	476376.36	69.1	67.9	-1.2
47608	197264.74	476470.37	69.0	67.8	-1.2
47609	197298.51	476564.52	69.2	68.0	-1.2
47610	197330.65	476659.21	69.2	68.0	-1.2
47611	197361.45	476754.36	69.3	68.1	-1.2
47612	197388.45	476850.67	69.4	68.2	-1.2
47613	197415.06	476947.07	69.3	68.2	-1.1
47614	197438.16	477044.38	69.3	68.2	-1.1
47615	197458.50	477142.29	69.2	68.0	-1.2
47616	197476.27	477240.71	68.9	67.8	-1.1
47617	197492.48	477339.40	69.0	67.8	-1.2
47618	197506.14	477438.48	69.0	67.9	-1.1
47619	197517.53	477537.84	69.1	67.9	-1.2
47620	197526.06	477637.49	69.2	68.0	-1.2
47621	197532.34	477737.30	69.1	67.9	-1.2
47622	197536.17	477837.23	69.0	67.8	-1.2
47623	197537.50	477937.24	68.8	67.6	-1.2
47624	197536.11	478037.24	68.6	67.5	-1.1
47625	197533.34	478137.22	68.5	67.3	-1.2
47626	197530.30	478237.19	68.0	66.9	-1.1
47627	197527.83	478337.15	68.6	67.5	-1.1
47628	197600.11	478373.14	63.8	62.7	-1.1
47630	197705.67	478432.77	61.3	60.1	-1.2
47631	197664.74	478524.03	62.5	61.4	-1.1
47632	197615.87	478610.83	63.5	62.4	-1.1
47633	197545.64	478681.90	66.1	65.1	-1.0
47634	197508.63	478773.17	68.5	67.5	-1.0
47635	197495.79	478872.35	69.0	68.1	-0.9
47636	197489.14	478972.12	69.0	68.0	-1.0
47637	197482.01	479071.89	69.1	68.1	-1.0
47638	197474.48	479171.62	69.0	68.1	-0.9
47639	197466.73	479271.33	69.0	68.0	-1.0
47640	197458.48	479371.01	69.1	68.1	-1.0
47641	197449.55	479470.63	69.2	68.3	-0.9
47642	197440.63	479570.24	69.2	68.3	-0.9

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
47643	197431.70	479669.86	69.2	68.3	-0.9
47644	197421.79	479769.38	69.2	68.3	-0.9
47645	197411.52	479868.87	69.2	68.2	-1.0
47646	197400.46	479968.27	69.2	68.2	-1.0
47647	197389.29	480067.66	69.1	68.2	-0.9
47648	197378.11	480167.05	69.0	68.1	-0.9
47649	197366.93	480266.45	68.5	67.6	-0.9
47650	197355.58	480365.81	67.7	66.8	-0.9
47651	197343.86	480465.14	68.2	67.3	-0.9
47652	197332.19	480564.47	68.6	67.7	-0.9
47653	197321.92	480663.96	68.3	67.3	-1.0
47654	197310.75	480763.35	68.8	67.9	-0.9
47655	197299.57	480862.74	69.0	68.1	-0.9
47656	197288.39	480962.13	69.2	68.3	-0.9
47657	197278.76	481061.68	69.2	68.3	-0.9
47658	197270.43	481161.35	69.3	68.3	-1.0
47659	197262.98	481261.09	69.2	68.3	-0.9
47660	197257.90	481360.97	69.3	68.3	-1.0
47661	197255.17	481460.95	69.3	68.3	-1.0
47662	197255.04	481560.96	69.2	68.3	-0.9
47663	197256.42	481660.95	68.9	68.0	-0.9
47664	197260.77	481760.87	68.6	67.6	-1.0
47665	197265.27	481860.79	68.5	67.6	-0.9
47666	197273.36	481960.48	68.5	67.6	-0.9
47667	197283.05	482060.01	68.4	67.5	-0.9
47668	197294.40	482159.38	68.4	67.5	-0.9
47669	197308.30	482258.43	68.3	67.4	-0.9
47670	197324.07	482357.18	68.3	67.4	-0.9
47671	197341.91	482455.59	67.8	66.9	-0.9
49035	198500.60	467220.20	64.6	65.8	-1.5
49036	198401.40	467240.28	67.3	65.8	-1.5
49037	198356.05	467328.42	68.2	66.6	-1.6
49038	198325.37	467423.60	68.3	66.9	-1.4
49039	198300.17	467520.38	68.8	67.4	-1.4
49040	198278.70	467618.04	69.4	68.1	-1.3
49041	198261.49	467716.53	69.8	68.6	-1.2
49042	198251.63	467815.99	69.8	68.9	-0.9
49043	198248.48	467915.93	69.3	68.4	-0.9
49044	198250.09	468015.93	68.1	67.2	-0.9
49045	198258.54	468115.54	69.2	68.3	-0.9
49046	198272.72	468214.53	69.3	68.4	-0.9
49047	198288.54	468313.29	69.5	68.6	-0.9
49048	198305.55	468411.85	69.5	68.6	-0.9
49049	198324.06	468510.03	68.9	68.3	-0.6
49050	198351.94	468606.06	67.5	67.1	-0.4
49051	198378.08	468702.36	66.8	66.2	-0.6

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
49052	198468.48	468737.20	63.4	62.1	-1.3
49053	198522.96	468817.67	62.4	60.9	-1.5
49054	198539.46	468916.22	61.8	60.4	-1.4
49055	198561.45	469013.45	60.1	58.7	-1.4
49056	198578.17	469111.94	61.2	59.8	-1.4
49057	198560.79	469208.20	62.0	60.7	-1.3
49058	198487.59	469273.40	65.6	64.4	-1.2
49059	198495.28	469372.25	66.1	65.0	-1.1
49060	198503.38	469471.91	66.3	65.2	-1.1
49061	198507.32	469571.81	66.0	65.2	-0.8
49062	198511.28	469671.68	67.3	66.5	-0.8
49063	198510.89	469771.66	68.2	67.4	-0.8
49064	198507.85	469871.63	68.5	67.7	-0.8
49065	198497.79	469971.10	69.3	68.5	-0.8
49066	198484.80	470070.26	70.0	69.2	-0.8
49067	198467.37	470168.72	70.3	69.5	-0.8
49068	198443.49	470265.83	69.4	68.6	-0.8
49069	198416.83	470362.22	68.5	67.7	-0.8
49070	198387.64	470457.88	68.3	67.4	-0.9
49071	198357.76	470553.33	68.0	67.2	-0.8
49072	198327.65	470648.70	68.3	67.4	-0.9
49073	198297.80	470744.16	70.1	69.3	-0.8
49074	198267.36	470839.43	70.3	69.5	-0.8
49075	198236.93	470934.71	70.4	69.6	-0.8
49076	198206.50	471029.98	70.5	69.7	-0.8
49077	198176.09	471125.26	70.5	69.7	-0.8
49078	198145.69	471220.55	70.5	69.7	-0.8
49079	198115.43	471315.88	70.1	69.3	-0.8
49080	198085.62	471411.33	69.1	68.3	-0.8
49081	198055.03	471506.55	70.0	69.1	-0.9
49082	198024.45	471601.78	69.5	68.6	-0.9
49083	197993.74	471696.96	69.3	68.4	-0.9
49084	197962.67	471792.03	68.8	68.0	-0.8
49085	197931.97	471887.21	68.4	67.6	-0.8
49086	197901.58	471982.49	68.1	67.3	-0.8
49087	197871.19	472077.78	67.4	66.6	-0.8
49088	197841.13	472173.17	68.2	67.4	-0.8
49089	197810.43	472268.36	68.2	67.4	-0.8
49090	197779.73	472363.55	68.3	67.5	-0.8
49091	197749.04	472458.74	68.1	67.3	-0.8
49092	197718.33	472553.93	68.2	67.4	-0.8
49093	197687.65	472649.12	68.2	67.3	-0.9
49094	197656.94	472744.31	68.5	67.7	-0.8
49095	197626.32	472839.52	68.6	67.8	-0.8
49096	197595.84	472934.78	68.6	67.8	-0.8
49097	197565.58	473030.11	68.7	67.9	-0.8

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
49098	197535.68	473125.55	68.7	67.8	-0.9
49099	197505.34	473220.85	68.6	67.8	-0.8
49100	197475.01	473316.16	68.7	67.9	-0.8
49101	197444.86	473411.53	68.6	67.8	-0.8
49102	197414.88	473506.94	68.6	67.8	-0.8
49103	197384.88	473602.36	68.5	67.6	-0.9
49104	197354.92	473697.78	68.3	67.5	-0.8
49106	197463.81	473829.23	60.2	59.2	-1.0
49107	197433.07	473924.40	60.3	59.1	-1.2
49108	197400.72	474019.03	62.5	61.2	-1.3
49109	197341.14	474098.06	63.7	62.6	-1.1
49110	197256.26	474150.75	65.9	64.9	-1.0
49111	197195.58	474227.38	68.2	67.2	-1.0
49112	197160.01	474320.86	68.6	67.5	-1.1
49113	197130.22	474416.30	68.4	67.3	-1.1
49114	197103.56	474512.69	68.1	67.0	-1.1
49115	197077.59	474609.27	68.5	67.3	-1.2
49116	197056.95	474707.11	68.7	67.5	-1.2
49117	197040.28	474805.73	68.8	67.7	-1.1
49118	197028.77	474905.08	68.8	67.7	-1.1
49119	197017.38	475004.45	68.8	67.7	-1.1
49120	197012.55	475104.34	68.9	67.7	-1.2
49121	197011.07	475204.34	68.8	67.7	-1.1
49153	198731.67	466330.51	67.8	66.5	-1.3
49154	198701.19	466425.74	67.6	66.3	-1.3
49155	198691.25	466524.44	67.2	65.8	-1.4
49156	198715.10	466621.48	66.5	65.0	-1.5
49157	198746.40	466711.19	66.4	64.7	-1.7
50553	198132.82	466535.85	66.6	64.8	-1.8
50554	198232.14	466528.55	65.8	63.9	-1.9
50555	198328.64	466502.58	65.2	63.2	-2.0
50556	198421.46	466465.40	65.3	63.5	-1.8
50557	198501.59	466406.92	66.3	64.9	-1.4
50558	198552.86	466321.99	68.0	66.7	-1.3
50559	198588.56	466228.56	67.7	66.6	-1.1
56285	197219.50	482519.00	67.6	66.8	-0.8
56286	197200.46	482420.86	67.8	67.0	-0.8
56287	197184.46	482322.13	68.3	67.4	-0.9
56288	197170.96	482223.05	68.4	67.6	-0.8
56289	197158.74	482123.78	68.3	67.5	-0.8
56290	197147.62	482024.39	68.5	67.6	-0.9
56291	197139.11	481924.76	68.5	67.6	-0.9
56292	197133.31	481824.91	68.3	67.4	-0.9
56293	197128.65	481725.01	68.7	67.8	-0.9
56294	197124.88	481625.07	68.9	68.1	-0.8
56295	197124.50	481525.06	69.2	68.3	-0.9

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
56296	197125.01	481425.05	68.9	68.1	-0.8
56297	197128.45	481325.09	69.2	68.3	-0.9
56298	197133.44	481225.22	69.1	68.3	-0.8
56299	197142.06	481125.58	69.1	68.3	-0.8
56300	197150.82	481025.95	69.1	68.3	-0.8
56301	197160.56	480926.41	69.0	68.2	-0.8
56302	197171.13	480826.95	68.6	67.7	-0.9
56303	197182.13	480727.54	68.7	67.9	-0.8
56304	197193.11	480628.13	68.1	67.3	-0.8
56305	197204.10	480528.72	68.4	67.6	-0.8
56306	197216.10	480429.43	68.0	67.2	-0.8
56307	197228.23	480330.16	67.7	66.8	-0.9
56308	197239.37	480230.77	67.8	67.0	-0.8
56309	197250.43	480131.36	68.9	68.1	-0.8
56310	197262.18	480032.04	69.0	68.1	-0.9
56311	197273.85	479932.71	69.0	68.2	-0.8
56312	197284.67	479833.28	69.1	68.3	-0.8
56313	197294.39	479733.74	69.1	68.2	-0.9
56314	197303.43	479634.14	69.1	68.3	-0.8
56315	197312.47	479534.53	69.1	68.3	-0.8
56316	197321.33	479434.91	69.1	68.2	-0.9
56317	197329.77	479335.25	69.0	68.2	-0.8
56318	197338.22	479235.59	68.9	68.1	-0.8
56319	197346.66	479135.94	69.1	68.2	-0.9
56320	197353.37	479036.15	68.9	68.1	-0.8
56321	197360.08	478936.35	68.8	68.0	-0.8
56322	197366.88	478836.57	69.0	68.1	-0.9
56323	197368.45	478736.64	68.6	67.6	-1.0
56324	197345.19	478641.08	67.3	66.3	-1.0
56325	197289.39	478558.24	66.0	65.0	-1.0
56326	197266.32	478461.86	65.8	64.8	-1.0
56327	197265.25	478361.85	64.7	63.6	-1.1
56329	197397.15	478254.86	68.0	66.8	-1.2
56330	197401.05	478154.96	68.4	67.2	-1.2
56331	197404.21	478054.99	68.7	67.4	-1.3
56332	197406.25	477955.01	68.8	67.6	-1.2
56333	197404.95	477855.01	68.9	67.7	-1.2
56334	197401.88	477755.06	69.1	67.9	-1.2
56335	197395.43	477655.25	69.0	67.8	-1.2
56336	197387.33	477555.57	69.0	67.8	-1.2
56337	197376.22	477456.19	68.8	67.6	-1.2
56338	197363.07	477357.05	68.9	67.6	-1.3
56339	197347.21	477258.33	69.0	67.8	-1.2
56340	197328.65	477160.05	69.1	67.9	-1.2
56341	197308.05	477062.18	69.3	68.1	-1.2
56342	197284.36	476965.02	69.3	68.1	-1.2

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
56343	197258.48	476868.42	69.4	68.2	-1.2
56344	197230.00	476772.57	69.3	68.1	-1.2
56345	197199.52	476677.31	69.2	67.9	-1.3
56346	197166.32	476582.98	69.2	68.0	-1.2
56347	197132.39	476488.90	69.2	68.0	-1.2
56348	197098.06	476394.96	69.2	68.0	-1.2
56349	197064.34	476300.81	69.1	67.9	-1.2
56350	197031.85	476206.22	69.0	67.8	-1.2
56351	197002.78	476110.54	69.0	67.8	-1.2
56352	196976.19	476014.13	68.9	67.6	-1.3
56353	196952.25	475917.03	68.8	67.6	-1.2
56354	196932.63	475818.96	68.7	67.4	-1.3
56355	196915.64	475720.40	68.6	67.3	-1.3
56356	196901.26	475621.44	68.1	66.8	-1.3
56357	196890.58	475522.00	68.1	66.9	-1.2
56358	196883.44	475422.28	68.8	67.6	-1.2
56359	196879.50	475322.35	68.8	67.5	-1.3
56360	196879.50	475222.34	68.6	67.4	-1.2
56361	196881.19	475122.36	69.0	67.7	-1.3
56362	196885.49	475022.44	68.9	67.7	-1.2
56363	196894.02	474922.82	69.0	67.7	-1.3
56364	196906.40	474823.59	69.0	67.8	-1.2
56365	196921.05	474724.66	68.9	67.6	-1.3
56366	196939.71	474626.40	68.8	67.5	-1.3
56367	196962.59	474529.07	68.5	67.3	-1.2
56368	196987.43	474432.19	67.9	66.7	-1.2
56369	197015.13	474336.10	68.3	67.1	-1.2
56370	197044.38	474240.47	68.6	67.5	-1.1
56371	197068.33	474143.44	68.0	67.0	-1.0
56372	197065.22	474044.78	65.7	64.7	-1.0
56373	197026.07	473952.87	63.5	62.5	-1.0
56374	197021.05	473853.86	62.0	61.1	-0.9
56375	197050.10	473758.26	60.7	59.7	-1.0
56376	197089.68	473667.94	60.7	59.8	-0.9
56377	197182.99	473678.62	65.1	64.2	-0.9
56378	197242.48	473610.87	68.5	67.7	-0.8
56379	197273.54	473515.80	68.5	67.7	-0.8
56380	197304.60	473420.73	68.6	67.8	-0.8
56381	197335.56	473325.63	68.6	67.8	-0.8
56382	197365.85	473230.31	68.6	67.8	-0.8
56383	197396.13	473134.98	68.6	67.8	-0.8
56384	197426.41	473039.66	68.6	67.9	-0.7
56385	197456.71	472944.35	68.6	67.8	-0.8
56386	197487.11	472849.07	68.6	67.8	-0.8
56387	197517.57	472753.80	68.4	67.6	-0.8
56388	197548.02	472658.54	68.3	67.5	-0.8

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
56389	197578.82	472563.38	68.1	67.4	-0.7
56390	197609.05	472468.04	68.1	67.4	-0.7
56391	197639.29	472372.71	68.0	67.3	-0.7
56392	197669.52	472277.37	68.1	67.3	-0.8
56393	197699.75	472182.03	67.9	67.2	-0.7
56394	197729.62	472086.58	67.4	66.7	-0.7
56395	197760.68	471991.52	67.7	66.9	-0.8
56396	197791.56	471896.40	68.2	67.4	-0.8
56397	197821.68	471801.02	68.6	67.8	-0.8
56398	197851.97	471705.71	68.8	68.0	-0.8
56399	197882.42	471610.44	69.0	68.3	-0.7
56400	197912.85	471515.16	68.3	67.5	-0.8
56401	197943.28	471419.89	62.0	61.2	-0.8
56402	197973.70	471324.61	59.7	58.8	-0.9
56403	198004.09	471229.38	58.8	57.9	-0.9
56404	198034.38	471134.06	59.7	58.8	-0.9
56405	198064.67	471038.74	60.4	59.5	-0.9
56406	198095.21	470943.50	59.9	59.1	-0.8
56407	198125.65	470848.23	60.7	59.8	-0.9
56408	198155.87	470752.89	59.6	58.7	-0.9
56409	198186.08	470657.55	58.7	57.8	-0.9
56410	198215.93	470562.10	58.5	57.6	-0.9
56411	198246.22	470466.78	57.8	56.9	-0.9
56412	198276.01	470371.30	58.1	57.2	-0.9
56413	198305.82	470275.83	58.5	57.6	-0.9
56414	198329.80	470178.75	59.2	58.3	-0.9
56415	198349.00	470080.62	60.4	59.5	-0.9
56416	198364.29	469981.80	67.9	67.1	-0.8
56417	198374.10	469882.29	68.9	68.1	-0.8
56418	198378.57	469782.40	68.6	67.8	-0.8
56419	198377.08	469682.44	67.2	66.4	-0.8
56420	198369.82	469582.71	66.2	65.4	-0.8
56421	198359.43	469483.24	57.4	56.6	-0.8
56422	198338.44	469385.61	53.2	52.3	-0.9
56423	198308.09	469290.56	62.5	61.6	-0.9
56424	198261.92	469202.10	64.7	63.9	-0.8
56425	198201.43	469122.81	62.0	61.1	-0.9
56426	198142.08	469046.45	60.8	59.9	-0.9
56427	198120.16	468949.01	60.9	60.0	-0.9
56428	198129.77	468850.93	62.0	61.0	-1.0
56429	198183.65	468766.90	64.6	63.8	-0.8
56430	198212.89	468672.73	67.7	67.0	-0.7
56431	198200.88	468573.51	68.8	68.1	-0.7
56432	198182.52	468475.21	69.3	68.4	-0.9
56433	198164.71	468376.80	69.3	68.4	-0.9
56434	198147.41	468278.29	68.3	67.4	-0.9

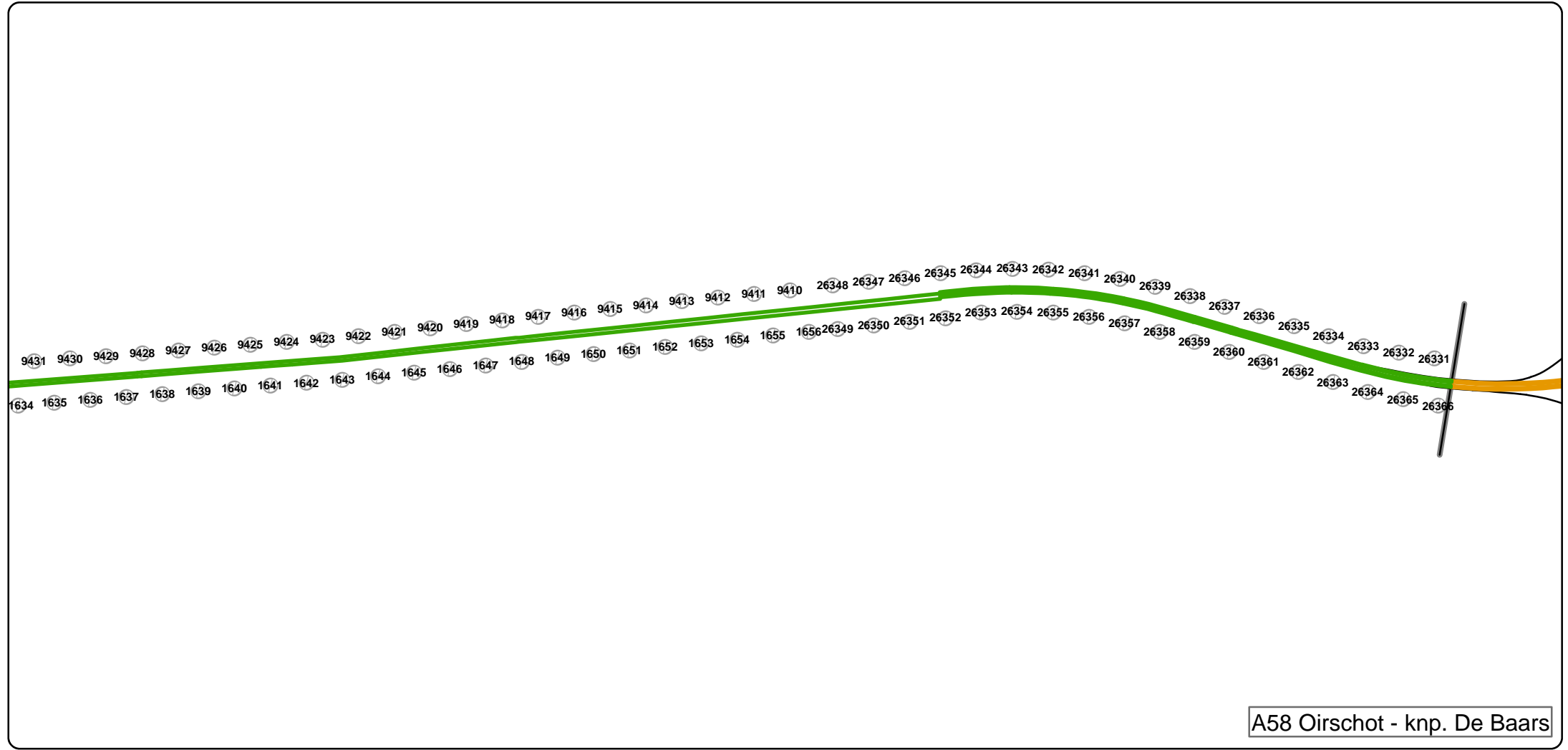
Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
56435	198132.41	468179.41	62.7	61.8	-0.9
56436	198121.36	468080.04	59.2	58.2	-1.0
56437	198114.40	467980.31	56.7	55.7	-1.0
56438	198111.73	467880.34	55.8	54.8	-1.0
56439	198117.38	467780.49	54.8	53.6	-1.2
56440	198124.05	467680.76	55.7	54.5	-1.2
56441	198132.54	467581.15	56.4	55.2	-1.2
56442	198144.79	467481.96	57.6	56.4	-1.2
56443	198166.54	467384.45	58.5	57.2	-1.3
56444	198190.43	467287.34	59.4	58.0	-1.4
56445	198212.84	467189.88	61.0	59.6	-1.4
56446	198207.41	467091.00	61.8	60.2	-1.6
56447	198175.75	466996.13	62.0	60.4	-1.6
56448	198141.75	466902.09	61.8	60.1	-1.7
56449	198103.28	466809.81	58.1	56.4	-1.7
58286	198640.53	466110.36	68.3	67.1	-1.2
58287	198674.00	466016.18	68.4	67.2	-1.2
58288	198705.40	465921.21	68.9	67.7	-1.2
58289	198735.79	465826.26	69.8	68.4	-1.4
58290	198753.04	465727.73	69.6	67.0	-2.6
58291	198765.18	465628.44	69.6	66.5	-3.1
58292	198769.44	465528.82	69.0	65.7	-3.3
58872	198890.95	465624.24	69.6	66.3	-3.3
58873	198879.68	465723.64	69.7	66.8	-2.9
58874	198863.66	465822.36	69.8	68.0	-1.8
58875	198848.40	465920.89	69.2	67.9	-1.3
58876	198825.07	466018.15	69.2	67.7	-1.5
58877	198802.24	466115.55	68.8	67.1	-1.7
58878	198771.89	466210.80	68.4	66.7	-1.7
61382	197427.43	473750.80	62.9	62.0	-0.9

Bijlage 14

Titel	Traject A58 Oirschot - knp. De Baars
Omvang	24 pagina's
Bron	Silence / GIS
Toelichting	Uitgangspunten en resultaten van de toetsing op referentiepunten



A58 Oirschot - knp. De Baars

Legenda

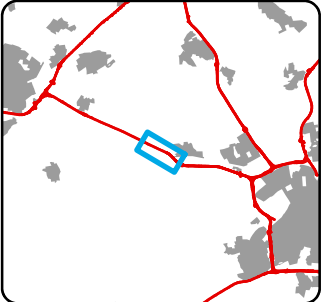
Snelheidsbeeld na snelheidsverhoging

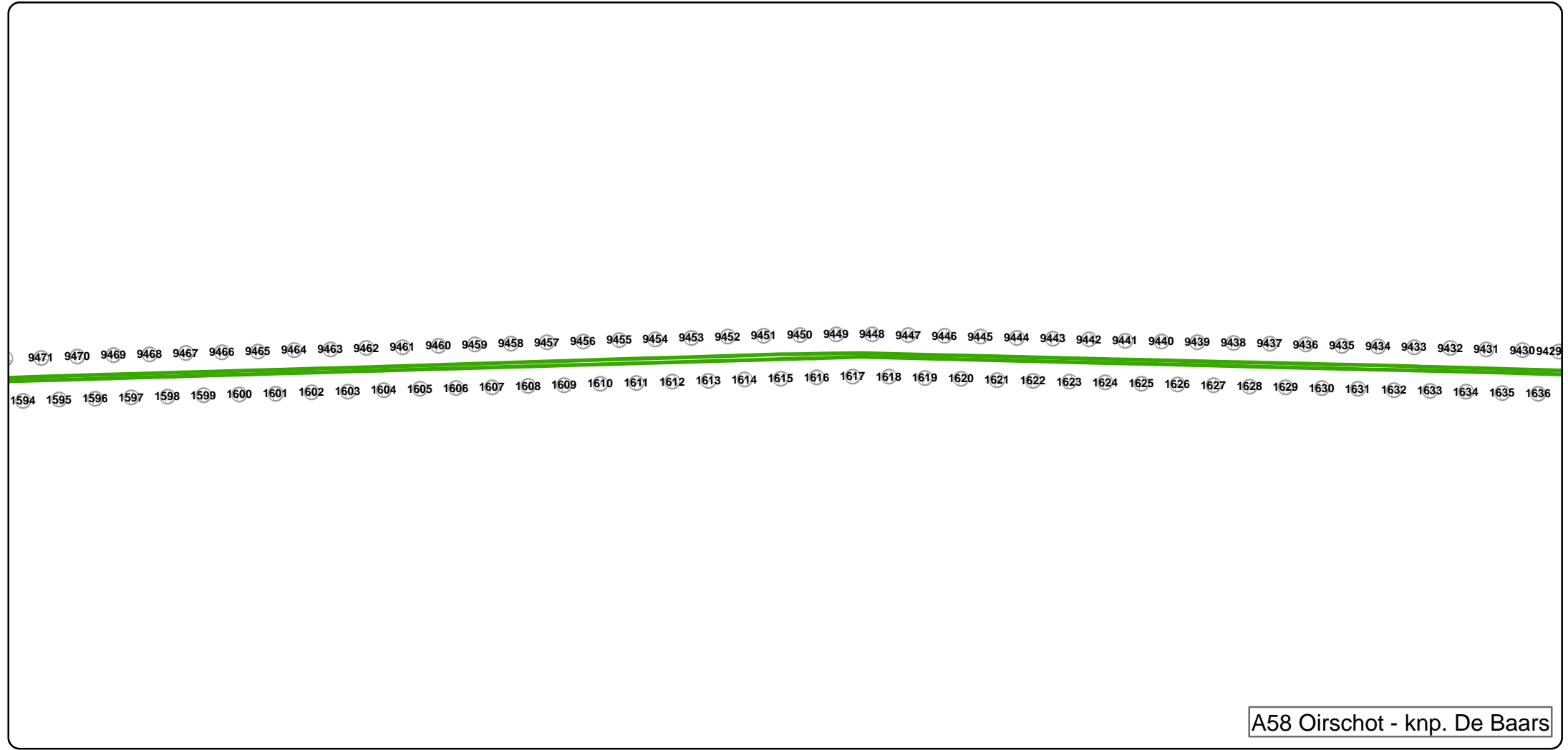
- Onderzoeksgrens
- ⊗ Referentiepunt

<100 km/h
 100 km/h
 120 km/h
 130 km/h

1:15 000

Kilometers





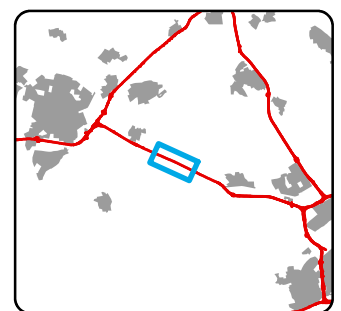
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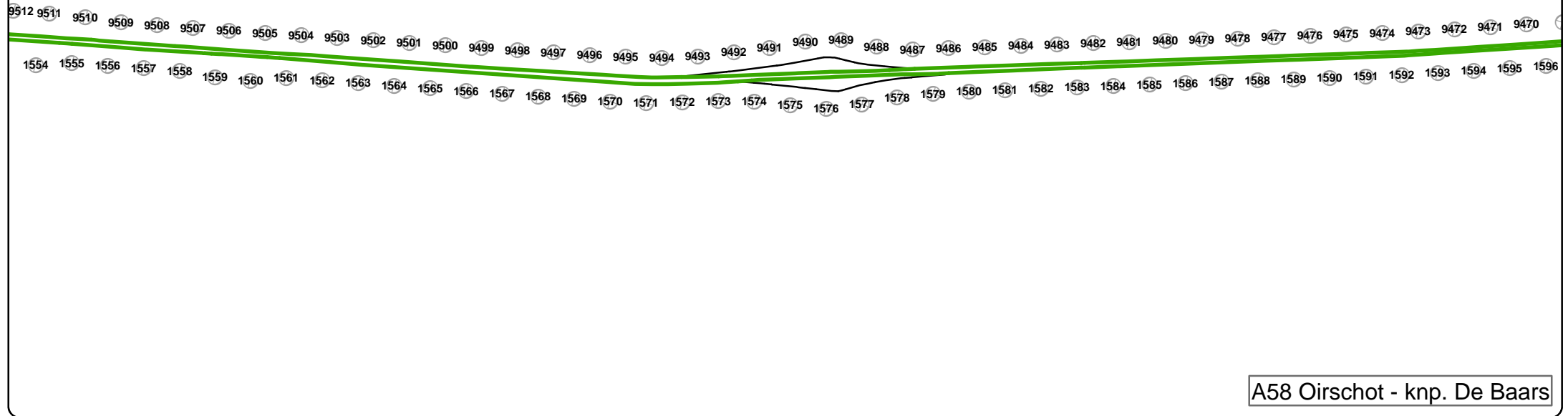
Snelheidsbeeld na snelheidsverhoging

- <100 km/h
- 100 km/h
- 120 km/h
- 130 km/h

- Onderzoeksgrens
- Referentiepunt

1:15 000





A58 Oirschot - knp. De Baars

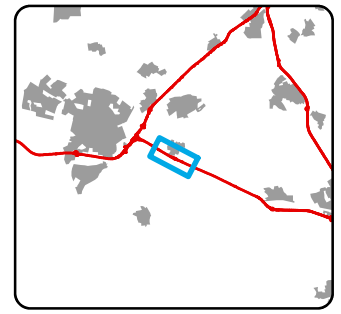
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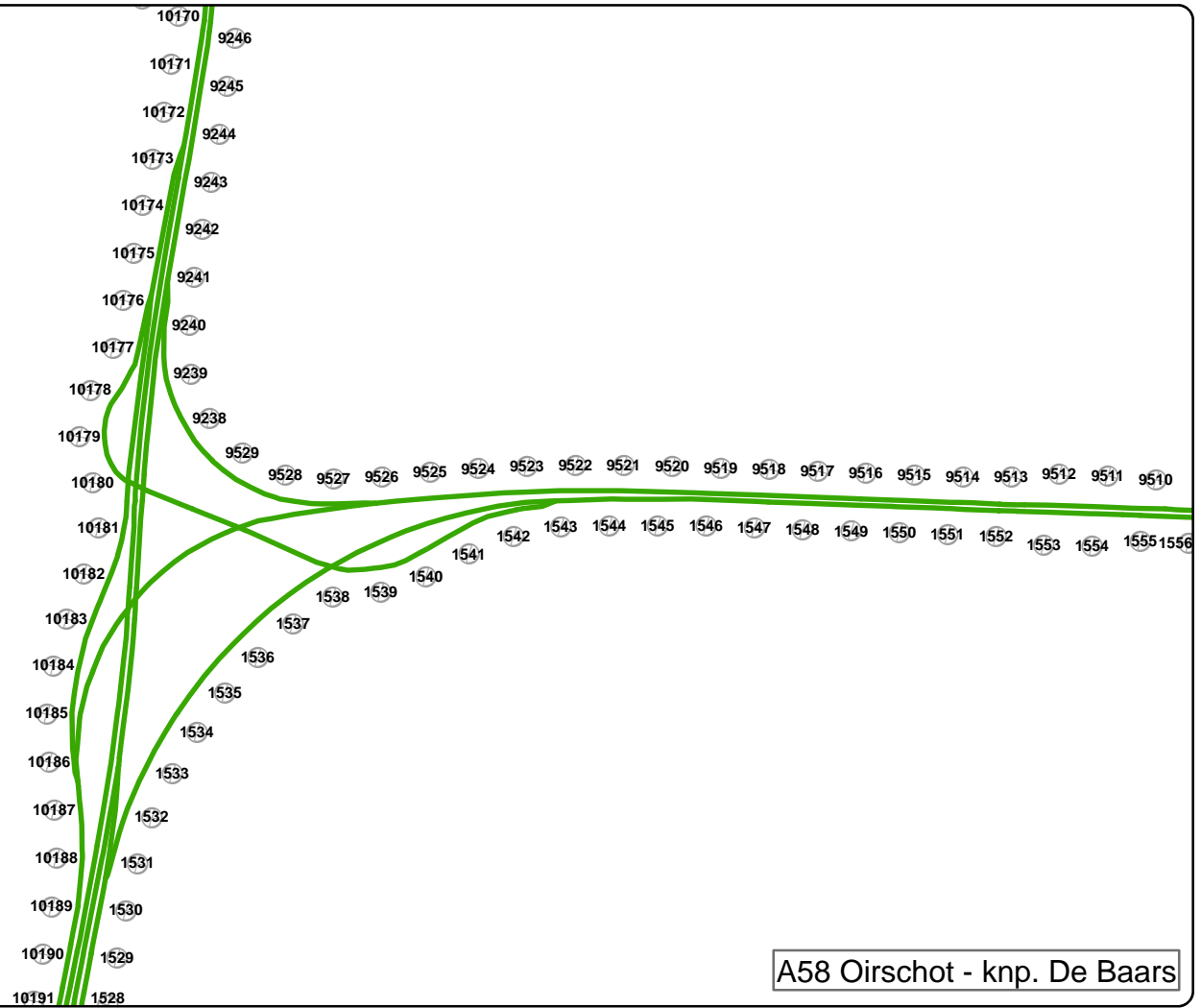
Snelheidsbeeld na snelheidsverhoging

- <100 km/h, 100 km/h, 120 km/h, 130 km/h
- Onderzoeksgrens
- Referentiepunt

1:15 000

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Kilometers

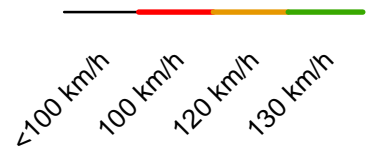




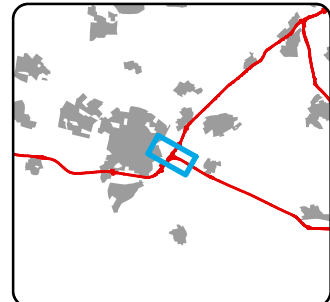
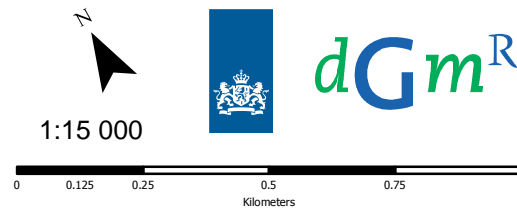
A58 Oirschot - knp. De Baars

Legenda

Snelheidsbeeld na snelheidsverhoging



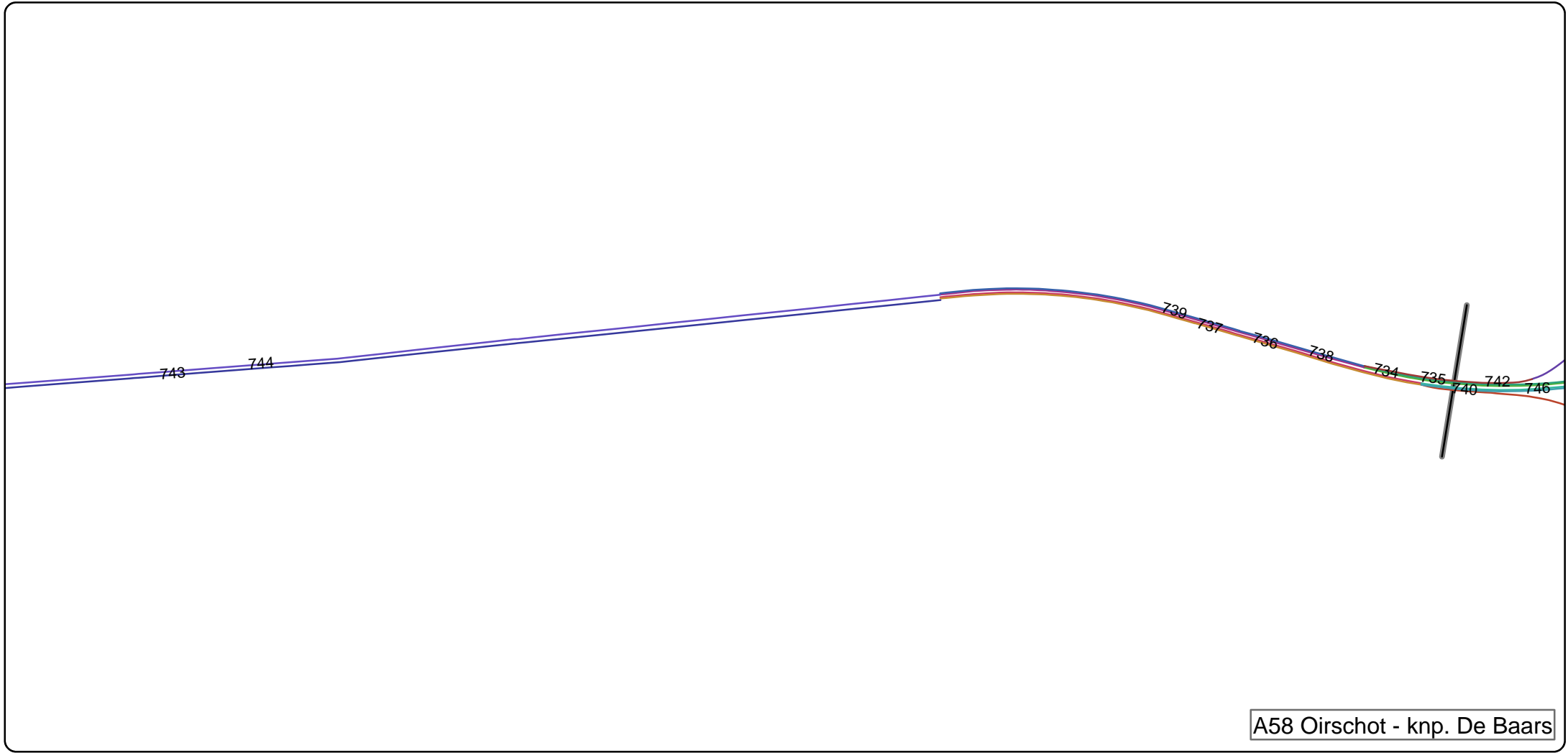
- Onderzoeksgrens
- ⊗ Referentiepunt



Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Uurintensiteiten

ID	peiljaar 2016								
	Dag			Avond			Nacht		
	Lichte mvt.	middelzware	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.
734	1 003.0	-	-	511.0	-	-	163.5	-	-
735	1 003.0	110.0	207.0	511.0	29.0	66.0	163.5	29.0	65.0
736	1 043.5	-	-	503.0	-	-	193.0	-	-
737	1 043.5	119.0	226.0	503.0	29.0	79.0	193.0	25.0	66.0
738	1 096.5	-	-	562.0	-	-	180.5	-	-
739	1 096.5	126.0	225.0	562.0	32.0	72.0	180.5	32.0	71.0
740	178.2	2.1	2.8	91.4	0.5	1.3	28.4	0.5	0.9
741	181.5	2.1	3.0	97.1	0.6	1.3	26.7	0.7	1.1
742	181.9	2.1	3.0	97.1	0.6	1.3	26.7	0.6	1.1
743	2 087.0	119.0	226.0	1 006.0	29.0	79.0	386.0	25.0	66.0
744	2 193.0	126.0	225.0	1 124.0	32.0	72.0	361.0	32.0	71.0
745	955.5	-	-	464.0	-	-	175.5	-	-
746	955.5	108.0	213.0	464.0	27.0	76.0	175.5	23.0	62.0
747	1 946.0	105.0	214.0	953.0	28.0	77.0	369.0	24.0	64.0
748	2 039.0	120.0	219.0	1 056.0	31.0	70.0	338.0	30.0	68.0
749	2 075.0	107.0	216.0	1 008.0	28.0	78.0	389.0	24.0	65.0
750	2 160.0	125.0	224.0	1 118.0	31.0	71.0	354.0	30.0	70.0
751	35.9	6.0	5.3	17.7	1.9	2.6	7.5	1.5	1.7
752	40.5	8.1	6.5	21.7	3.0	3.9	5.6	0.9	1.1
753	58.0	6.8	9.3	31.9	3.1	5.6	14.4	1.3	2.9
754	71.8	7.1	9.9	40.3	3.4	6.2	13.7	1.3	2.3
755	1 183.0	51.0	36.0	567.0	14.0	12.0	151.0	9.0	9.0
756	1 600.0	106.0	113.0	791.0	23.0	35.0	248.0	24.0	48.0
757	1 623.0	103.0	101.0	778.0	27.0	34.0	231.0	18.0	25.0
758	1 639.0	64.0	157.0	784.0	19.0	62.0	303.0	15.0	43.0
759	1 720.0	72.0	159.0	907.0	19.0	49.0	274.0	21.0	54.0
760	2 061.0	115.0	194.0	958.0	34.0	74.0	368.0	24.0	52.0
761	2 183.0	92.0	169.0	1 129.0	24.0	52.0	329.0	25.0	57.0
762	422.0	51.0	36.0	175.0	14.0	12.0	65.0	9.0	9.0
763	437.0	43.0	59.0	224.0	9.0	15.0	86.0	9.0	22.0
764	440.0	52.0	64.0	211.0	12.0	22.0	80.0	9.0	16.0
765	463.0	19.0	10.0	223.0	5.0	3.0	55.0	3.0	4.0
766	701.0	44.0	44.0	344.0	9.0	17.0	107.0	11.0	23.0
767	761.0	-	-	392.0	-	-	86.0	-	-
768	899.0	62.0	69.0	447.0	13.0	18.0	141.0	13.0	25.0
48	-	-	-	-	-	-	-	-	-

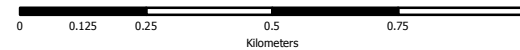


Legenda

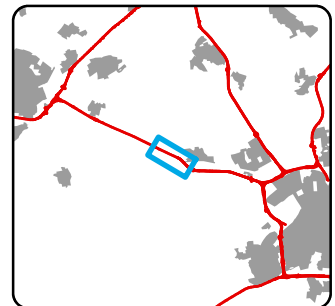
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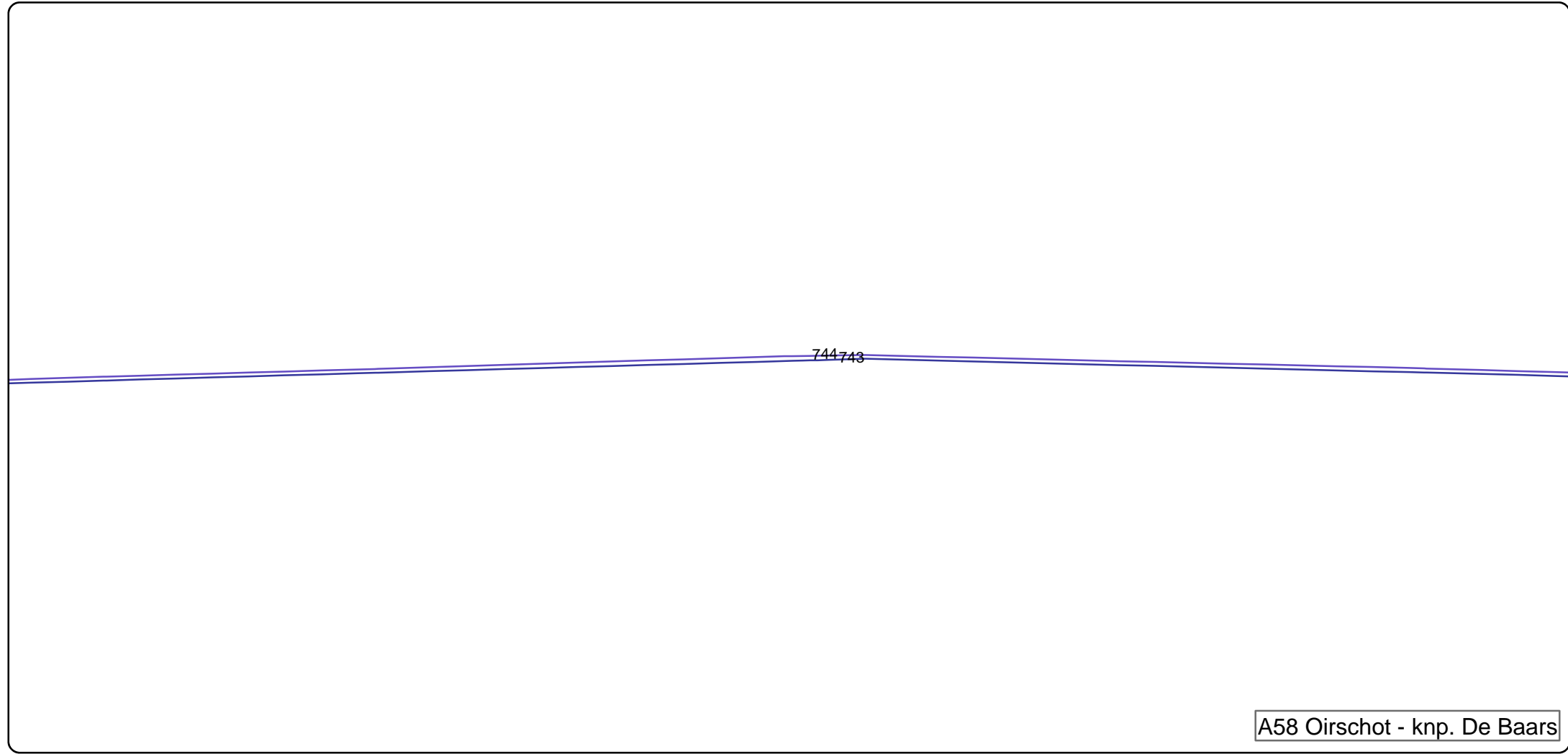


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dGm^R



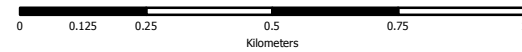


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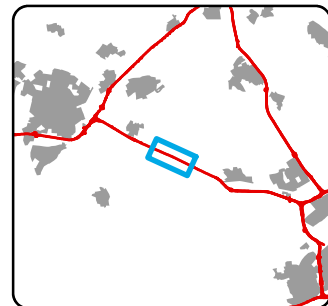
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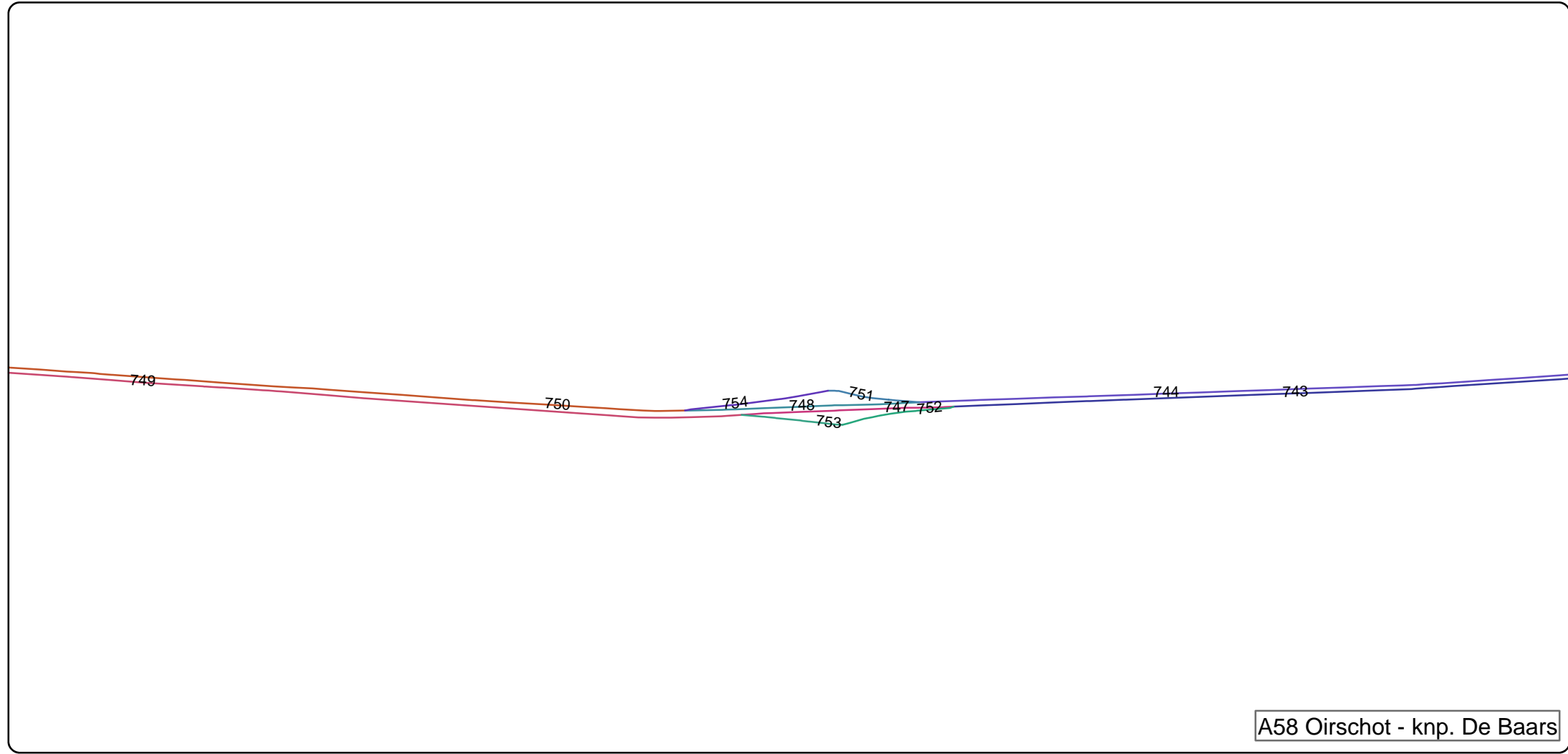


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dGm^R





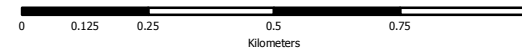
A58 Oirschot - knp. De Baars

Legenda

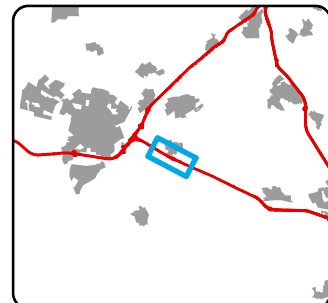
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dGm^R



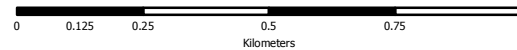


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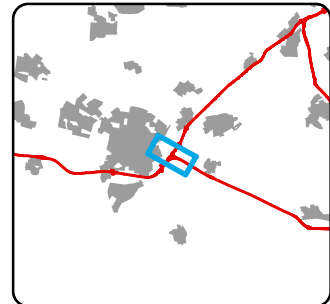
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dGm^R

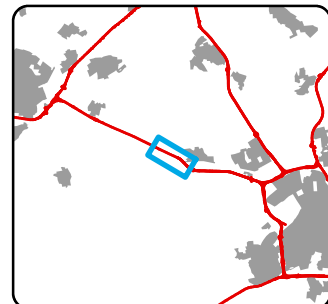
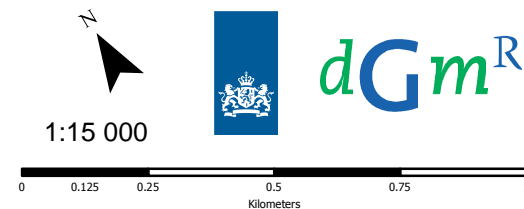


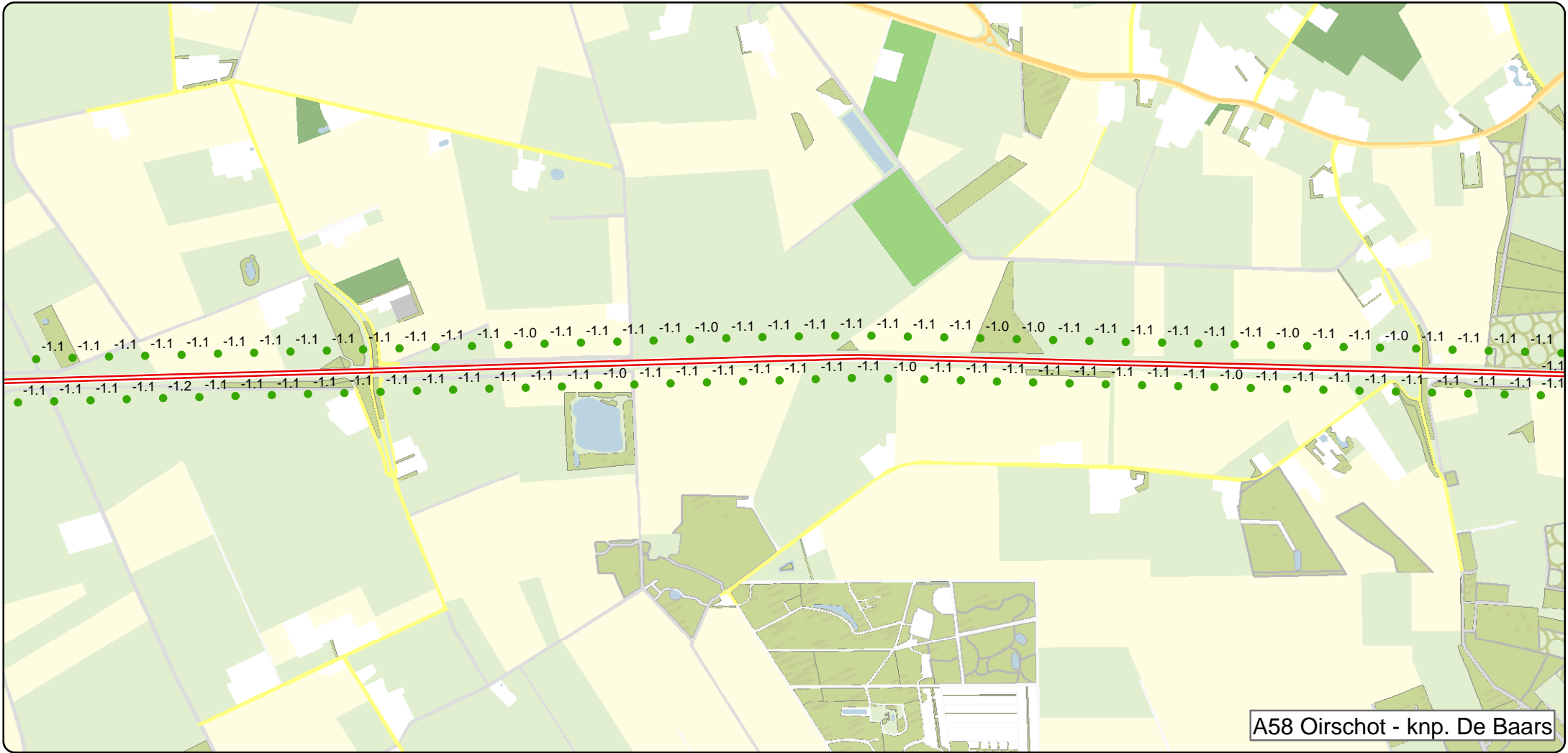


**Legenda
Verschil met GPP**

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GGP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

- Onderzoeksgrens
- Rijkswegen

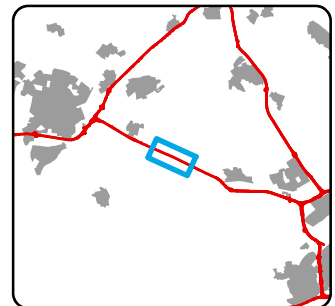
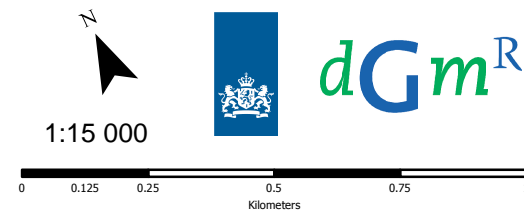


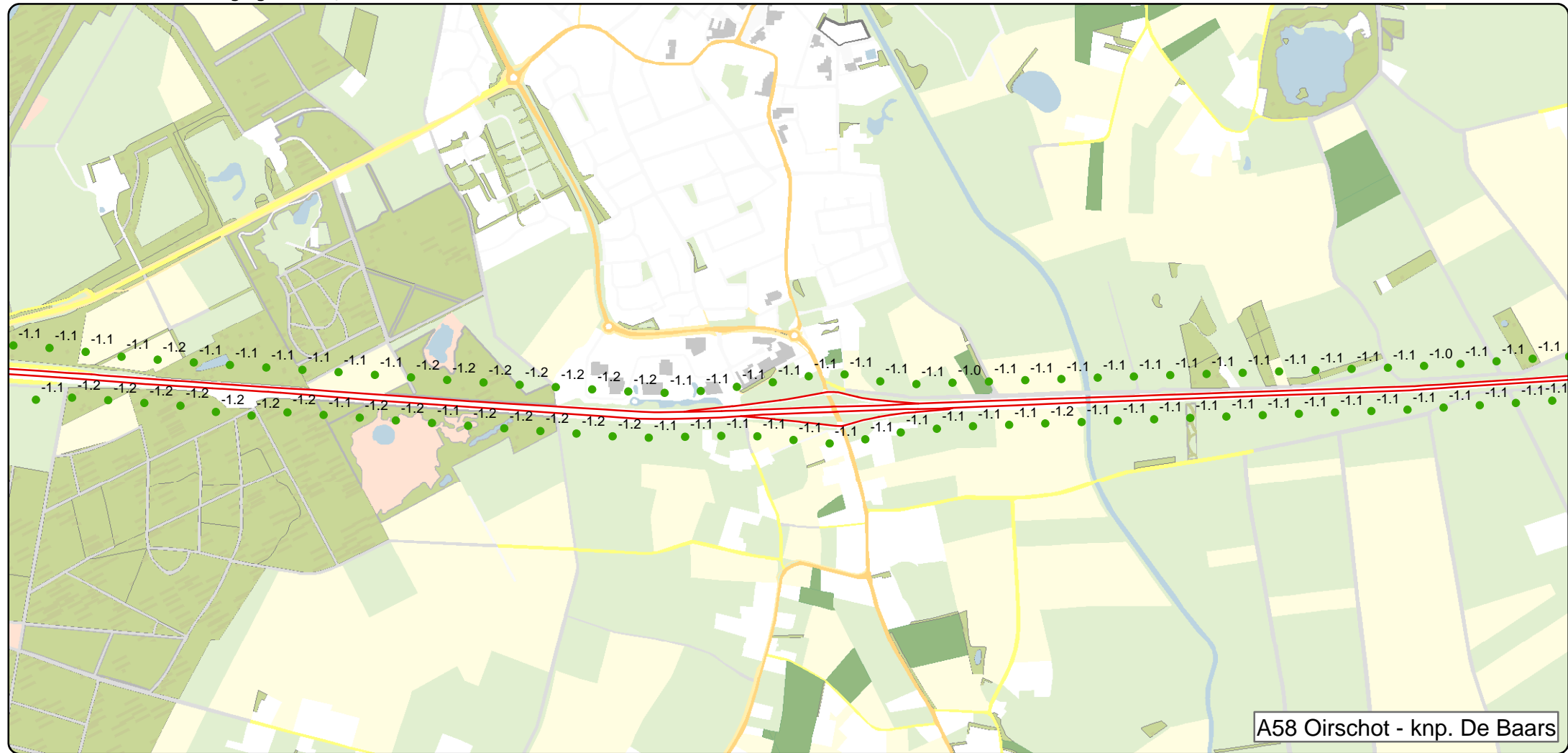


**Legenda
Verschil met GPP**

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GGP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

- Onderzoeksgrens
- Rijkswegen



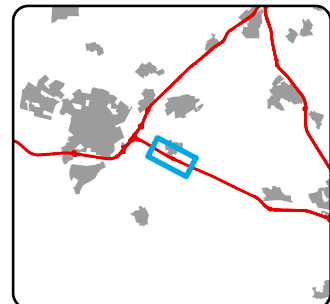
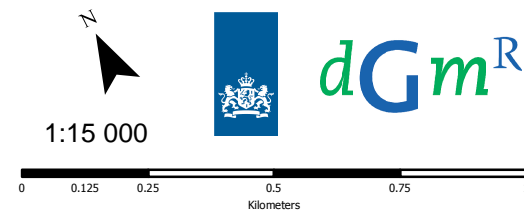


A58 Oirschot - knp. De Baars

**Legenda
Verschil met GPP**

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GGP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

- Onderzoeksgrens
- Rijkswegen

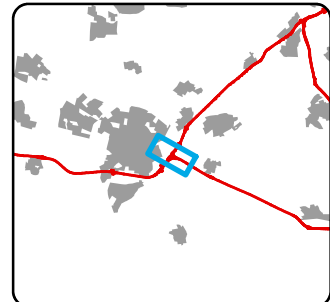
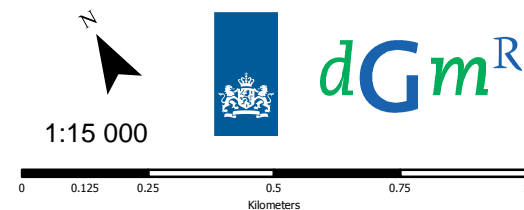




**Legenda
Verschil met GPP**

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GPP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

- Onderzoeksgrens
- Rijkswegen

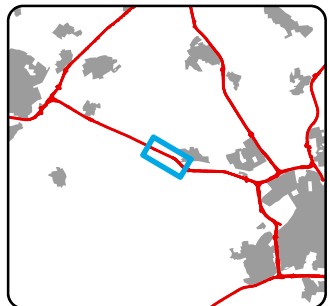
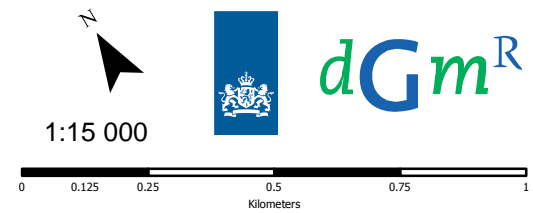


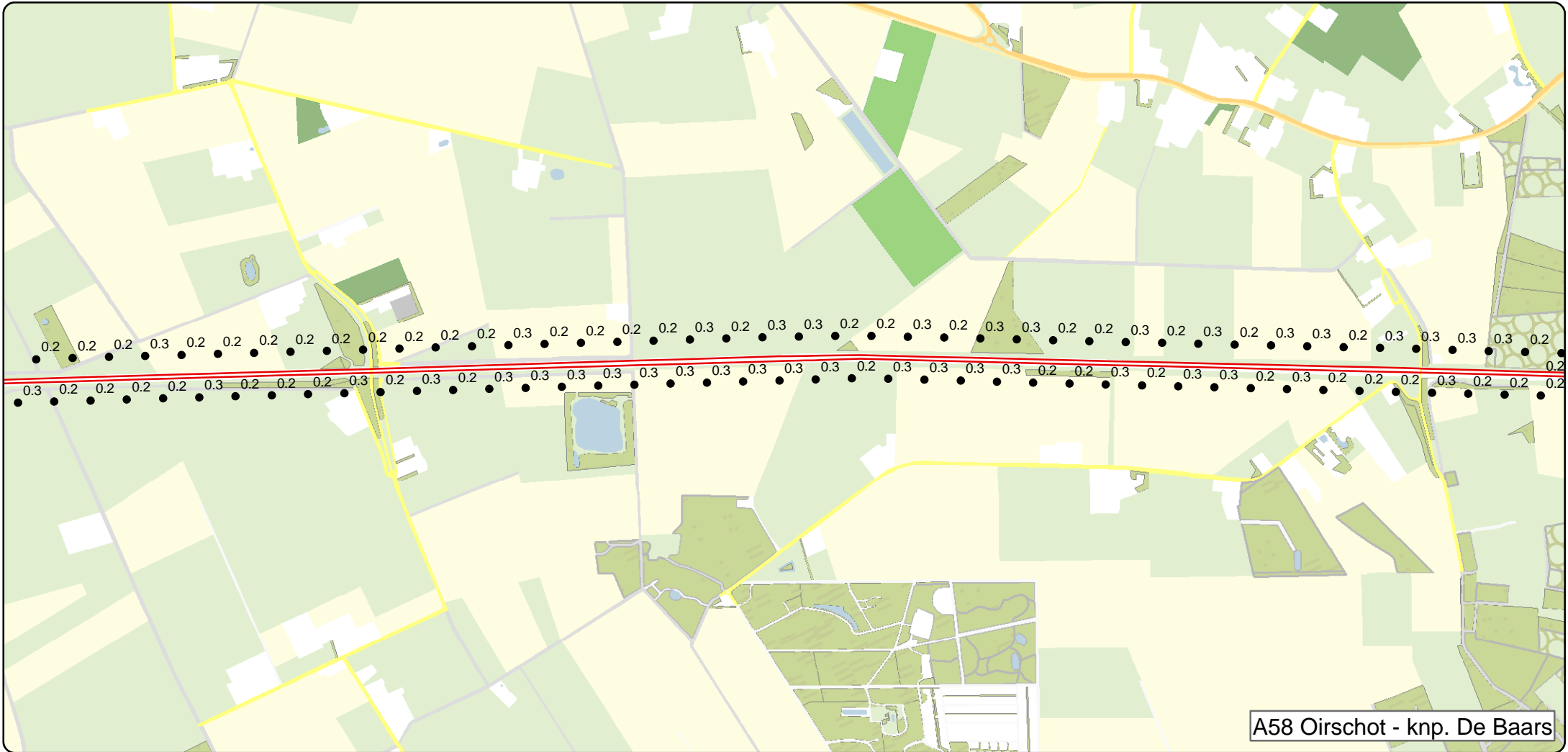


A58 Oirschot - knp. De Baars

Legenda

- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen

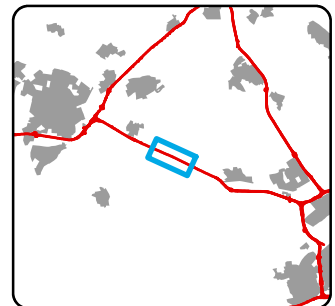
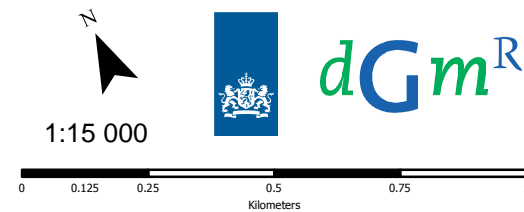


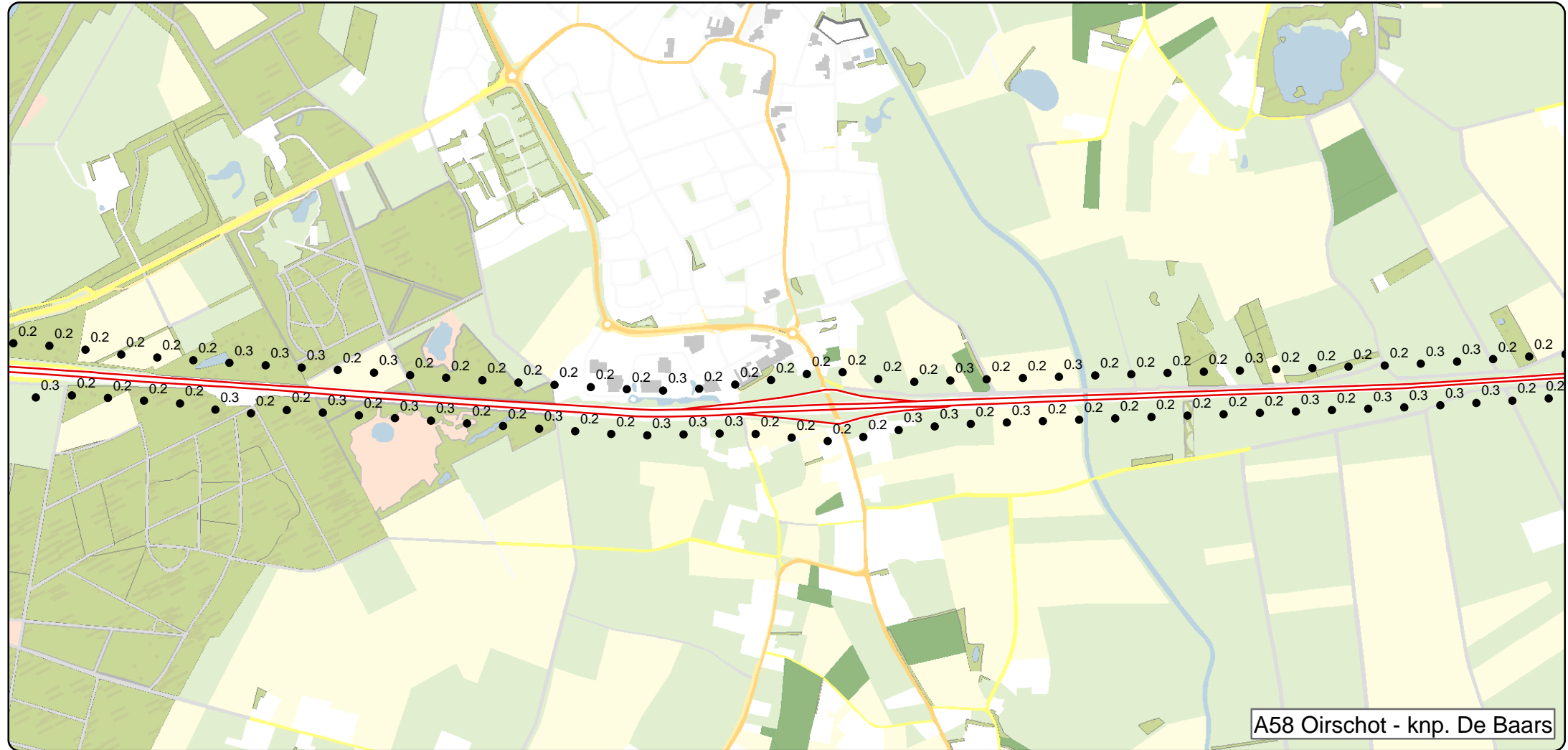


A58 Oirschot - knp. De Baars

Legenda

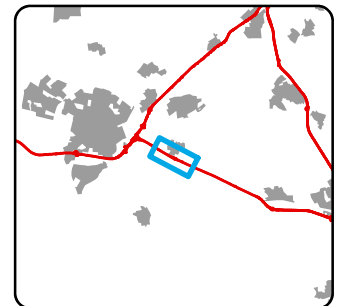
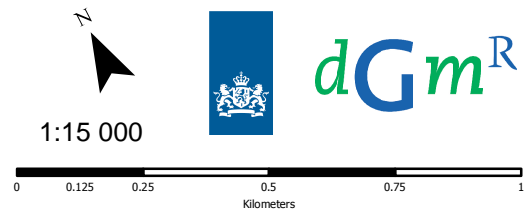
- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen





Legenda

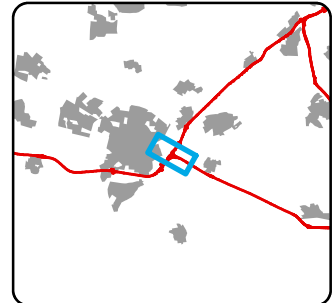
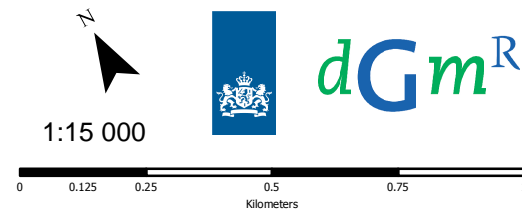
- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen





Legenda

- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen



Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
1529	136436.89	395345.55	69.6	67.7	-1.9
1530	136500.73	395422.52	69.2	67.3	-1.9
1531	136568.94	395495.47	67.6	65.8	-1.8
1532	136640.70	395565.11	69.1	67.3	-1.8
1533	136721.81	395623.59	68.3	66.6	-1.7
1534	136807.94	395674.14	69.2	67.5	-1.7
1535	136898.09	395717.06	69.2	67.4	-1.8
1536	136992.93	395748.22	68.9	67.2	-1.7
1537	137089.85	395772.42	68.8	67.2	-1.6
1538	137189.18	395782.91	68.0	66.7	-1.3
1539	137280.38	395742.93	65.6	64.8	-0.8
1540	137377.68	395725.92	66.3	65.4	-0.9
1541	137477.64	395723.00	66.7	65.6	-1.1
1542	137576.01	395709.97	67.7	66.5	-1.2
1543	137671.54	395680.44	69.2	68.0	-1.2
1544	137759.67	395633.20	69.0	67.8	-1.2
1545	137847.71	395585.76	69.3	68.1	-1.2
1546	137934.94	395536.93	69.4	68.2	-1.2
1547	138020.54	395485.22	69.1	67.9	-1.2
1548	138106.13	395433.51	68.9	67.8	-1.1
1549	138191.73	395381.80	68.5	67.3	-1.2
1550	138277.32	395330.09	68.4	67.2	-1.2
1551	138362.92	395278.38	67.4	66.3	-1.1
1552	138448.51	395226.67	68.5	67.3	-1.2
1553	138526.10	395163.75	67.5	66.3	-1.2
1554	138612.75	395113.83	67.9	66.8	-1.1
1555	138704.10	395073.75	69.4	68.2	-1.2
1556	138789.76	395022.17	69.5	68.3	-1.2
1557	138875.28	394970.33	69.7	68.5	-1.2
1558	138960.79	394918.49	69.7	68.5	-1.2
1559	139039.81	394858.42	68.4	67.2	-1.2
1560	139122.79	394805.00	67.8	66.6	-1.2
1561	139215.07	394768.06	69.6	68.4	-1.2
1562	139300.61	394716.25	69.3	68.2	-1.1
1563	139386.14	394664.44	69.7	68.5	-1.2
1564	139471.68	394612.63	69.6	68.4	-1.2
1565	139557.21	394560.83	69.2	68.1	-1.1
1566	139642.75	394509.02	69.4	68.2	-1.2
1567	139728.28	394457.21	69.6	68.4	-1.2
1568	139813.82	394405.41	69.9	68.7	-1.2
1569	139899.36	394353.60	69.7	68.5	-1.2
1570	139984.89	394301.79	69.6	68.4	-1.2
1571	140072.16	394253.20	69.4	68.3	-1.1
1572	140162.36	394210.02	69.3	68.2	-1.1
1573	140252.56	394166.84	68.8	67.7	-1.1
1574	140340.97	394120.44	67.5	66.4	-1.1

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
1575	140425.03	394066.27	65.3	64.2	-1.1
1576	140509.08	394012.09	63.4	62.3	-1.1
1577	140602.02	393977.59	63.9	62.8	-1.1
1578	140698.25	393950.38	66.7	65.6	-1.1
1579	140791.45	393914.26	67.7	66.6	-1.1
1580	140883.33	393874.87	68.5	67.4	-1.1
1581	140974.10	393832.90	69.4	68.3	-1.1
1582	141064.86	393790.93	70.0	68.8	-1.2
1583	141155.63	393748.96	69.8	68.7	-1.1
1584	141246.40	393706.98	70.1	69.0	-1.1
1585	141337.17	393665.01	69.8	68.7	-1.1
1586	141427.93	393623.04	69.9	68.8	-1.1
1587	141518.70	393581.07	69.9	68.8	-1.1
1588	141609.47	393539.10	69.8	68.7	-1.1
1589	141700.23	393497.13	69.8	68.7	-1.1
1590	141791.00	393455.15	69.9	68.8	-1.1
1591	141881.77	393413.18	69.9	68.8	-1.1
1592	141972.54	393371.21	69.8	68.7	-1.1
1593	142064.23	393331.33	69.9	68.8	-1.1
1594	142156.06	393291.72	70.1	69.0	-1.1
1595	142247.88	393252.11	69.8	68.7	-1.1
1596	142339.70	393212.50	70.0	68.9	-1.1
1597	142431.53	393172.89	70.2	69.1	-1.1
1598	142523.35	393133.28	70.5	69.3	-1.2
1599	142615.17	393093.68	70.5	69.4	-1.1
1600	142707.00	393054.07	70.4	69.3	-1.1
1601	142798.82	393014.46	70.3	69.2	-1.1
1602	142890.64	392974.85	70.2	69.1	-1.1
1603	142982.46	392935.24	69.9	68.8	-1.1
1604	143074.29	392895.63	69.4	68.3	-1.1
1605	143166.11	392856.03	70.0	68.9	-1.1
1606	143257.93	392816.42	69.9	68.8	-1.1
1607	143349.76	392776.81	70.1	69.0	-1.1
1608	143441.58	392737.20	70.2	69.1	-1.1
1609	143533.40	392697.59	70.1	69.0	-1.1
1610	143625.23	392657.98	69.9	68.9	-1.0
1611	143717.05	392618.38	69.3	68.2	-1.1
1612	143808.87	392578.77	69.6	68.5	-1.1
1613	143900.69	392539.16	69.6	68.5	-1.1
1614	143992.52	392499.55	69.7	68.6	-1.1
1615	144084.34	392459.94	69.8	68.7	-1.1
1616	144176.16	392420.34	69.8	68.7	-1.1
1617	144267.98	392380.73	69.8	68.7	-1.1
1618	144358.04	392337.32	69.8	68.8	-1.0
1619	144447.57	392292.75	69.8	68.7	-1.1
1620	144537.09	392248.18	69.7	68.6	-1.1

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
1621	144626.61	392203.61	69.7	68.6	-1.1
1622	144716.13	392159.05	69.8	68.7	-1.1
1623	144805.65	392114.48	70.0	68.9	-1.1
1624	144895.17	392069.91	70.0	68.9	-1.1
1625	144984.69	392025.35	69.8	68.7	-1.1
1626	145074.21	391980.78	69.6	68.5	-1.1
1627	145163.73	391936.21	69.3	68.3	-1.0
1628	145253.26	391891.65	69.3	68.2	-1.1
1629	145342.78	391847.08	69.2	68.1	-1.1
1630	145432.30	391802.51	69.0	67.9	-1.1
1631	145521.82	391757.94	68.9	67.8	-1.1
1632	145611.34	391713.38	69.1	68.0	-1.1
1633	145700.86	391668.81	69.3	68.2	-1.1
1634	145790.38	391624.24	69.9	68.8	-1.1
1635	145879.91	391579.68	70.3	69.2	-1.1
1636	145969.43	391535.11	70.5	69.4	-1.1
1637	146058.95	391490.54	70.6	69.5	-1.1
1638	146148.47	391445.97	70.5	69.4	-1.1
1639	146237.99	391401.41	70.4	69.3	-1.1
1640	146327.51	391356.84	70.4	69.3	-1.1
1641	146417.03	391312.27	70.3	69.2	-1.1
1642	146506.55	391267.71	70.3	69.2	-1.1
1643	146596.07	391223.14	70.1	69.0	-1.1
1644	146686.58	391180.62	69.9	68.8	-1.1
1645	146777.13	391138.18	69.8	68.7	-1.1
1646	146867.68	391095.74	69.5	68.4	-1.1
1647	146958.23	391053.30	69.5	68.4	-1.1
1648	147048.78	391010.87	69.4	68.3	-1.1
1649	147139.33	390968.43	69.6	68.5	-1.1
1650	147229.88	390925.99	69.5	68.4	-1.1
1651	147320.43	390883.55	69.6	68.5	-1.1
1652	147410.98	390841.11	69.1	68.0	-1.1
1653	147501.53	390798.68	69.3	68.3	-1.0
1654	147592.08	390756.24	69.3	68.2	-1.1
1655	147682.63	390713.80	69.2	68.1	-1.1
1656	147773.18	390671.36	69.0	68.0	-1.0
9238	137145.75	396229.10	67.0	65.6	-1.4
9239	137156.14	396328.26	68.5	66.9	-1.6
9240	137202.02	396416.99	69.2	67.5	-1.7
9241	137258.70	396499.30	69.1	67.4	-1.7
9242	137321.85	396577.04	68.9	67.2	-1.7
9243	137384.93	396654.83	68.9	67.2	-1.7
9244	137447.66	396732.90	69.4	67.7	-1.7
9245	137509.67	396811.55	68.9	67.2	-1.7
9410	147787.95	390798.30	69.2	68.2	-1.0
9411	147697.19	390840.65	69.3	68.3	-1.0

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
9412	147606.43	390882.99	69.4	68.3	-1.1
9413	147515.67	390925.34	69.5	68.4	-1.1
9414	147424.91	390967.70	69.6	68.6	-1.0
9415	147334.15	391010.06	69.7	68.7	-1.0
9416	147243.39	391052.41	69.8	68.7	-1.1
9417	147152.63	391094.75	69.7	68.6	-1.1
9418	147062.11	391137.58	69.5	68.4	-1.1
9419	146971.11	391179.41	69.6	68.5	-1.1
9420	146880.11	391221.24	69.8	68.7	-1.1
9421	146789.11	391263.08	69.8	68.7	-1.1
9422	146698.11	391304.90	70.0	68.9	-1.1
9423	146607.71	391348.00	70.2	69.1	-1.1
9424	146518.17	391392.87	70.1	69.1	-1.0
9425	146428.62	391437.73	70.3	69.2	-1.1
9426	146339.08	391482.60	70.3	69.2	-1.1
9427	146249.54	391527.48	70.6	69.5	-1.1
9428	146160.00	391572.34	70.8	69.7	-1.1
9429	146070.46	391617.21	70.7	69.6	-1.1
9430	145980.91	391662.08	70.6	69.5	-1.1
9431	145891.37	391706.95	70.2	69.1	-1.1
9432	145801.83	391751.81	69.8	68.7	-1.1
9433	145712.47	391797.03	69.3	68.2	-1.1
9434	145622.71	391841.46	69.3	68.3	-1.0
9435	145532.95	391885.90	69.1	68.0	-1.1
9436	145443.19	391930.33	69.2	68.1	-1.1
9437	145353.43	391974.76	69.4	68.4	-1.0
9438	145263.67	392019.19	69.4	68.3	-1.1
9439	145173.91	392063.62	69.7	68.6	-1.1
9440	145084.14	392108.04	69.6	68.5	-1.1
9441	144994.40	392152.51	70.0	68.9	-1.1
9442	144904.69	392197.04	70.0	68.9	-1.1
9443	144814.97	392241.56	70.0	68.9	-1.1
9444	144725.26	392286.09	69.8	68.8	-1.0
9445	144635.55	392330.63	69.7	68.7	-1.0
9446	144545.83	392375.15	69.7	68.6	-1.1
9447	144456.12	392419.67	69.8	68.7	-1.1
9448	144366.41	392464.20	69.8	68.7	-1.1
9449	144275.51	392506.21	69.8	68.7	-1.1
9450	144184.01	392546.94	69.7	68.6	-1.1
9451	144092.48	392587.59	69.8	68.7	-1.1
9452	144000.45	392627.09	69.7	68.6	-1.1
9453	143908.41	392666.59	69.6	68.6	-1.0
9454	143816.37	392706.09	69.7	68.6	-1.1
9455	143724.33	392745.59	69.7	68.6	-1.1
9456	143632.29	392785.08	70.0	68.9	-1.1
9457	143540.25	392824.57	70.1	69.0	-1.1

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
9458	143448.21	392864.05	70.2	69.2	-1.0
9459	143356.17	392903.55	70.1	69.0	-1.1
9460	143264.13	392943.05	70.0	68.9	-1.1
9461	143172.09	392982.55	69.9	68.8	-1.1
9462	143079.92	393021.72	70.0	68.9	-1.1
9463	142987.99	393061.47	70.3	69.2	-1.1
9464	142896.06	393101.22	70.4	69.3	-1.1
9465	142804.13	393140.97	70.4	69.3	-1.1
9466	142712.20	393180.72	70.5	69.4	-1.1
9467	142620.27	393220.46	70.6	69.5	-1.1
9468	142528.34	393260.21	70.2	69.1	-1.1
9469	142436.41	393299.95	70.3	69.2	-1.1
9470	142344.35	393339.40	70.3	69.2	-1.1
9471	142252.24	393378.74	70.1	69.0	-1.1
9472	142160.14	393418.08	70.2	69.1	-1.1
9473	142068.31	393458.06	69.8	68.8	-1.0
9474	141977.02	393499.22	69.6	68.5	-1.1
9475	141886.26	393541.57	69.7	68.6	-1.1
9476	141795.49	393583.91	69.8	68.7	-1.1
9477	141704.73	393626.26	69.9	68.8	-1.1
9478	141613.97	393668.61	70.0	68.9	-1.1
9479	141523.21	393710.96	70.1	69.0	-1.1
9480	141432.45	393753.30	70.0	68.9	-1.1
9481	141341.68	393795.65	70.0	68.9	-1.1
9482	141250.93	393838.02	70.3	69.2	-1.1
9483	141160.18	393880.39	70.3	69.2	-1.1
9484	141069.42	393922.75	69.8	68.7	-1.1
9485	140978.67	393965.12	68.8	67.7	-1.1
9486	140887.87	394007.39	67.9	66.9	-1.0
9487	140796.94	394049.37	67.8	66.7	-1.1
9488	140711.64	394101.69	66.3	65.2	-1.1
9489	140632.67	394163.07	63.8	62.7	-1.1
9490	140542.08	394203.65	63.2	62.1	-1.1
9491	140446.62	394233.89	65.5	64.4	-1.1
9492	140352.36	394267.74	66.9	65.8	-1.1
9493	140258.50	394302.69	68.3	67.2	-1.1
9494	140167.27	394343.76	69.1	68.0	-1.1
9495	140079.60	394392.11	69.4	68.2	-1.2
9496	139993.36	394443.04	69.5	68.3	-1.2
9497	139907.09	394493.92	69.6	68.4	-1.2
9498	139820.83	394544.81	69.6	68.4	-1.2
9499	139734.57	394595.70	69.1	67.9	-1.2
9500	139648.70	394647.25	69.1	67.9	-1.2
9501	139562.97	394699.04	69.2	68.0	-1.2
9502	139477.25	394750.83	69.3	68.2	-1.1
9503	139391.52	394802.62	69.3	68.2	-1.1

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
9504	139305.54	394853.97	69.5	68.4	-1.1
9505	139219.12	394904.60	69.5	68.4	-1.1
9506	139133.38	394956.37	69.7	68.6	-1.1
9507	139047.65	395008.15	69.9	68.8	-1.1
9508	138961.91	395059.92	69.6	68.4	-1.2
9509	138877.03	395112.92	69.3	68.2	-1.1
9510	138794.74	395169.86	68.5	67.4	-1.1
9511	138710.81	395224.20	68.0	66.9	-1.1
9512	138625.12	395276.04	67.9	66.8	-1.1
9513	138535.10	395318.82	67.6	66.4	-1.2
9514	138448.24	395368.02	67.6	66.5	-1.1
9515	138362.34	395419.50	68.6	67.5	-1.1
9516	138276.65	395471.36	69.0	67.8	-1.2
9517	138190.88	395523.06	69.2	68.1	-1.1
9518	138105.10	395574.76	69.2	68.0	-1.2
9519	138019.32	395626.47	69.5	68.3	-1.2
9520	137933.31	395677.78	69.5	68.3	-1.2
9521	137847.02	395728.64	69.3	68.1	-1.2
9522	137759.54	395777.38	69.4	68.2	-1.2
9523	137670.87	395823.93	68.8	67.6	-1.2
9524	137580.79	395867.66	69.1	67.9	-1.2
9525	137489.79	395909.50	69.2	68.0	-1.2
9526	137398.15	395949.85	68.9	67.7	-1.2
9527	137308.58	395994.26	68.7	67.4	-1.3
9528	137226.06	396050.58	67.4	66.2	-1.2
9529	137169.46	396132.55	66.8	65.6	-1.2
10171	137431.51	396908.31	68.9	67.3	-1.6
10172	137369.80	396829.58	69.1	67.6	-1.5
10173	137303.05	396755.48	68.8	67.3	-1.5
10174	137237.30	396680.23	68.5	67.0	-1.5
10175	137173.51	396603.18	68.4	66.9	-1.5
10176	137107.62	396528.25	68.4	67.0	-1.4
10177	137041.54	396453.15	68.0	67.0	-1.0
10178	136958.01	396399.35	66.1	65.3	-0.8
10179	136891.36	396326.45	65.7	65.0	-0.7
10180	136869.93	396230.10	66.9	65.6	-1.3
10181	136834.46	396141.53	66.2	64.4	-1.8
10182	136762.13	396072.77	66.1	64.2	-1.9
10183	136684.97	396009.12	65.8	63.9	-1.9
10184	136615.34	395937.51	66.8	65.0	-1.8
10185	136555.37	395857.53	68.0	66.2	-1.8
10186	136510.79	395768.12	69.5	67.8	-1.7
10187	136472.27	395675.94	69.5	67.9	-1.6
10188	136427.37	395586.59	69.2	67.6	-1.6
10189	136370.41	395504.40	67.0	65.5	-1.5
10190	136306.66	395427.31	70.9	69.3	-1.6

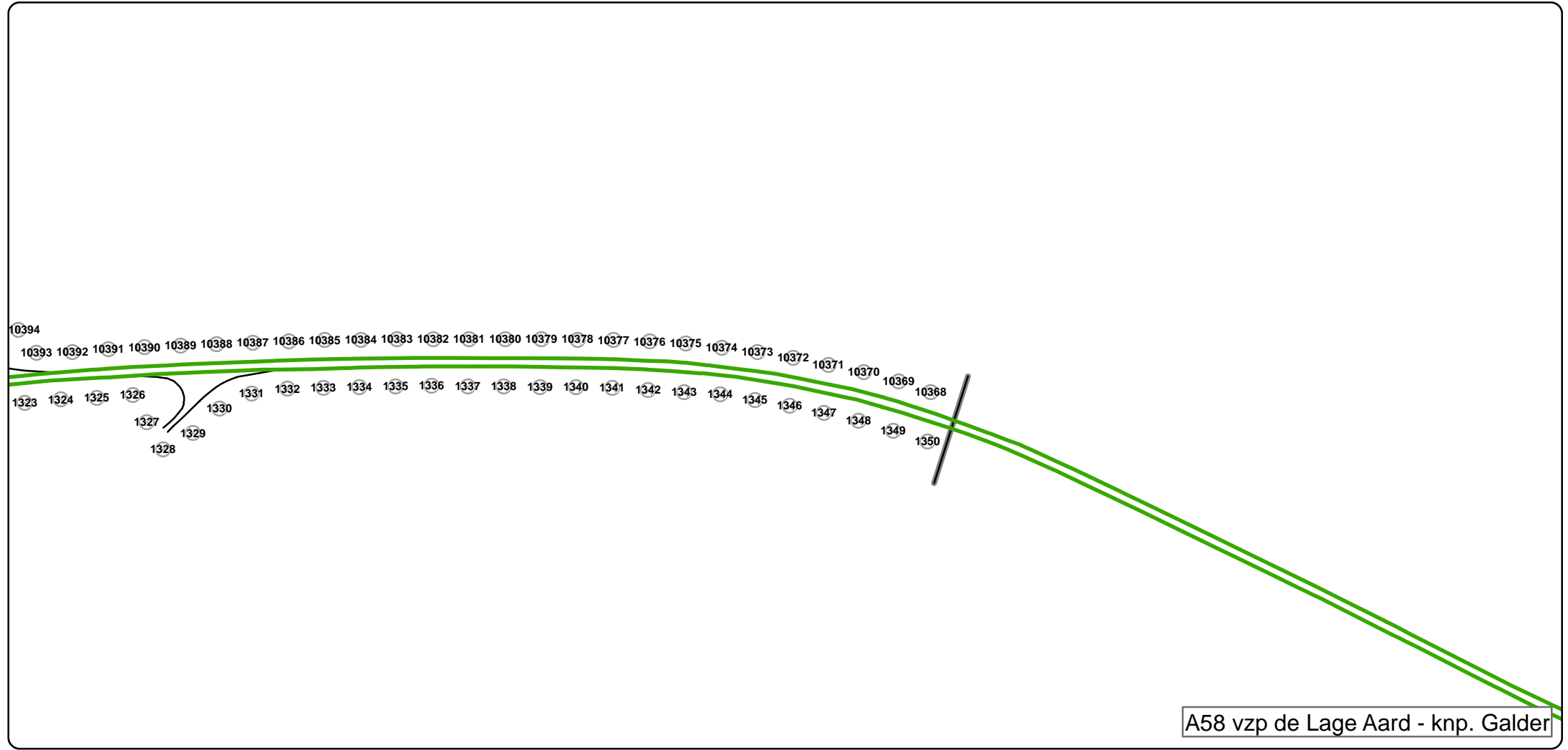
Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
26331	149220.90	389715.16	67.2	66.2	-1.0
26332	149144.88	389780.09	66.9	66.0	-0.9
26333	149070.62	389847.04	67.8	66.9	-0.9
26334	149001.95	389919.75	68.1	67.2	-0.9
26335	148933.75	389992.91	68.4	67.5	-0.9
26336	148865.68	390066.17	69.0	68.1	-0.9
26337	148797.39	390139.23	70.1	69.2	-0.9
26338	148729.25	390212.43	69.0	68.1	-0.9
26339	148660.90	390285.43	68.3	67.4	-0.9
26340	148588.32	390354.21	68.2	67.3	-0.9
26341	148511.55	390418.27	67.8	67.0	-0.8
26342	148431.09	390477.63	67.3	66.4	-0.9
26343	148347.06	390531.82	66.4	65.6	-0.8
26344	148259.48	390580.05	67.2	66.3	-0.9
26345	148169.17	390623.01	67.9	66.9	-1.0
26346	148077.72	390663.09	69.1	68.1	-1.0
26347	147987.09	390705.38	69.3	68.2	-1.1
26348	147896.42	390747.59	69.2	68.1	-1.1
26349	147846.80	390637.86	69.3	68.2	-1.1
26350	147937.15	390594.97	69.2	68.1	-1.1
26351	148027.65	390552.41	69.1	68.0	-1.1
26352	148118.38	390510.43	67.6	66.6	-1.0
26353	148209.86	390471.75	66.9	66.0	-0.9
26354	148297.17	390423.12	66.8	65.9	-0.9
26355	148380.85	390368.39	67.3	66.5	-0.8
26356	148460.59	390308.07	67.6	66.8	-0.8
26357	148535.77	390242.17	68.3	67.4	-0.9
26358	148606.42	390171.42	68.4	67.5	-0.9
26359	148674.92	390098.57	69.8	68.9	-0.9
26360	148742.88	390025.21	69.5	68.6	-0.9
26361	148810.67	389951.71	68.5	67.6	-0.9
26362	148878.40	389878.14	68.0	67.1	-0.9
26363	148945.55	389804.03	67.8	66.9	-0.9
26364	149014.92	389732.00	67.0	66.1	-0.9
26365	149087.61	389663.35	67.5	66.6	-0.9
26366	149162.58	389597.34	67.2	66.1	-1.1

Bijlage 15

Titel	Traject A58 vzw De Lage Aard - knp. Galder
Omvang	19 pagina's
Bron	Silence / GIS
Toelichting	Uitgangspunten en resultaten van de toetsing op referentiepunten



Legenda

Snelheidsbeeld na snelheidsverhoging

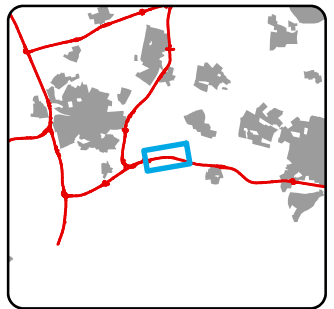
— Onderzoeksgrens

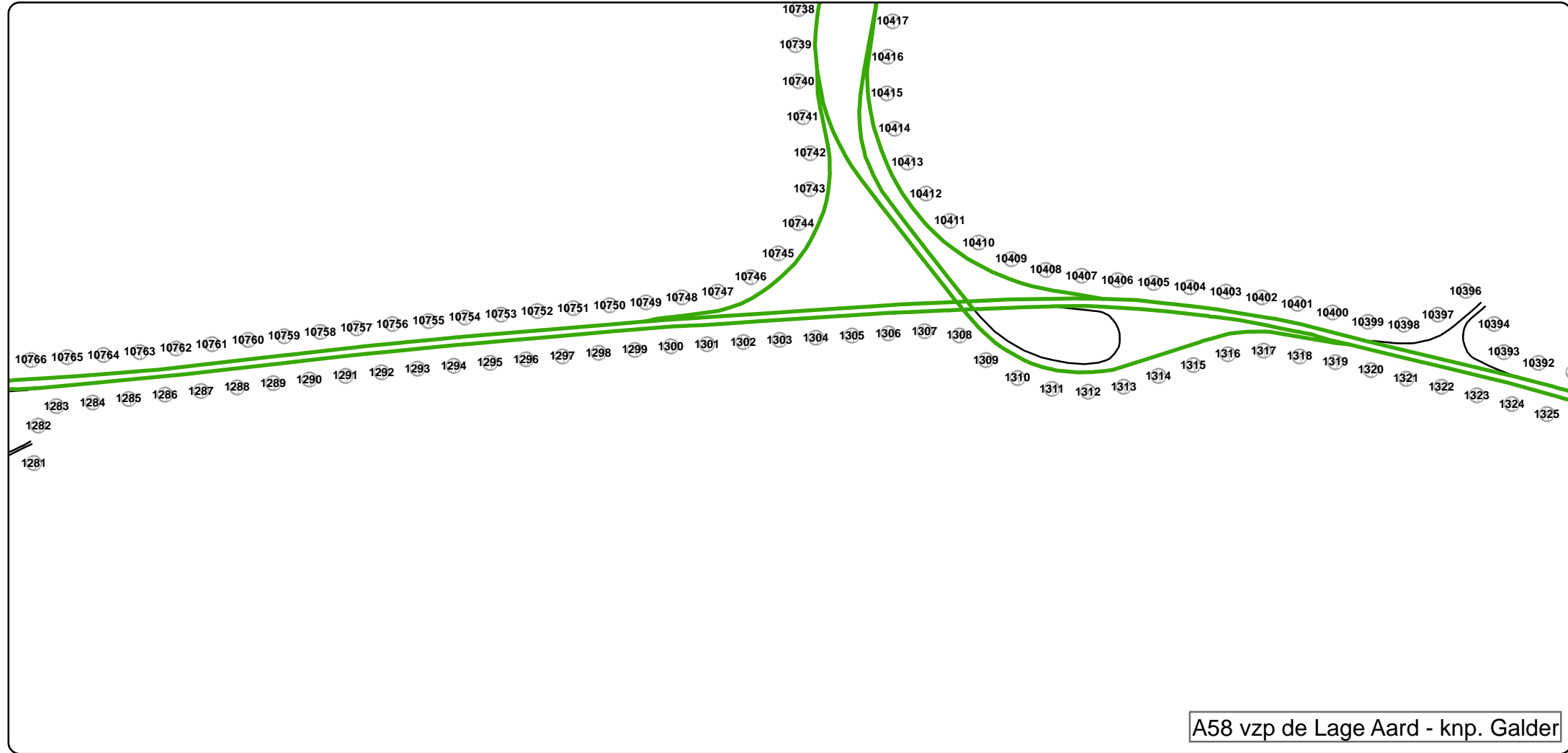
⊗ Referentiepunt

<100 km/h
 100 km/h
 120 km/h
 130 km/h

1:15 000

Kilometers





Legenda

Snelheidsbeeld na snelheidsverhoging

— Onderzoeksgrens

⊗ Referentiepunt

<100 km/h

100 km/h

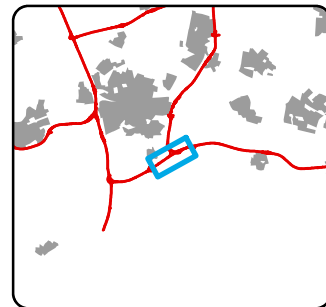
120 km/h

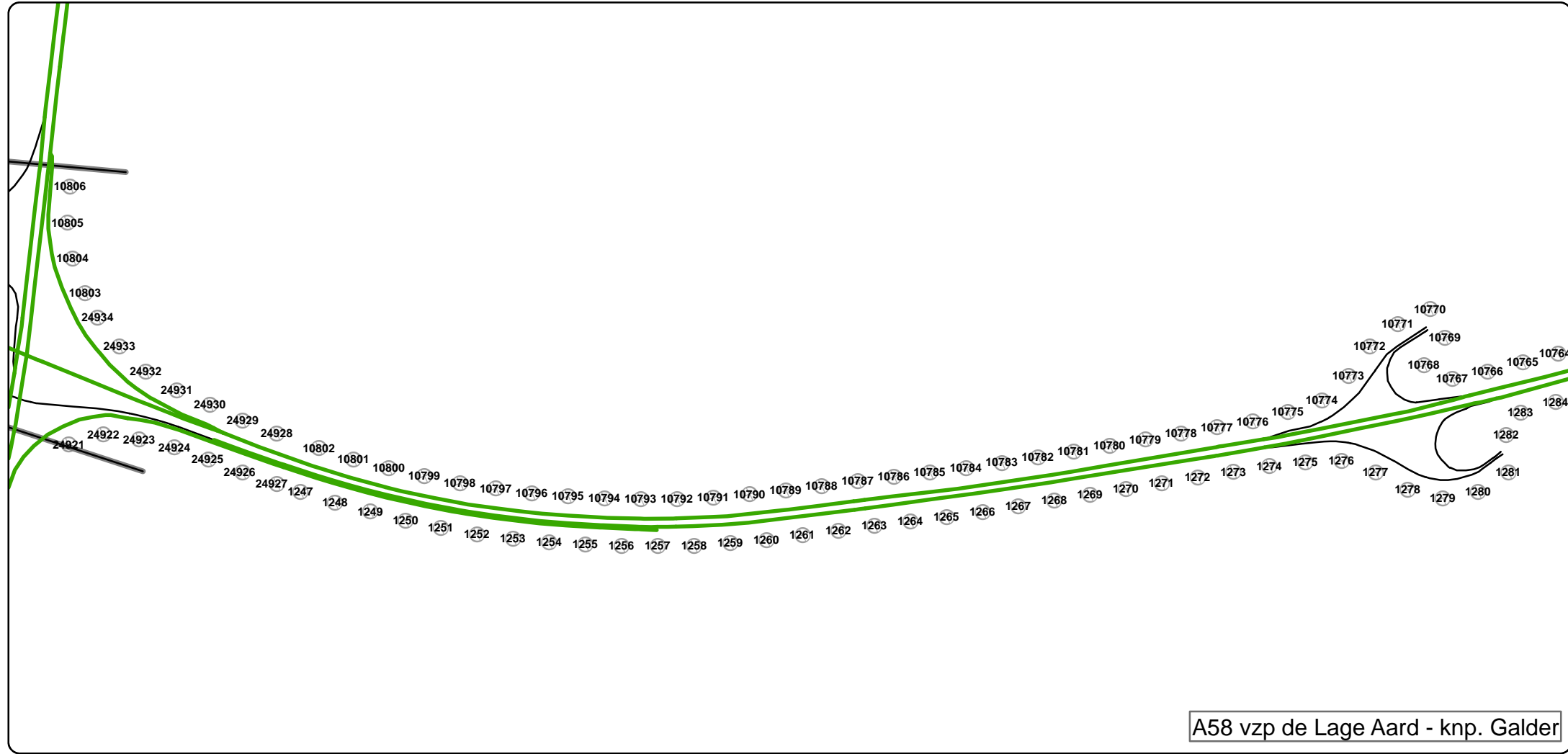
130 km/h

1:15 000

Kilometers

dGm^R





Legenda

Snelheidsbeeld na snelheidsverhoging

— Onderzoeksgrens

⊗ Referentiepunt

<100 km/h

100 km/h

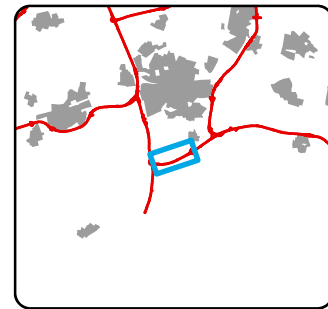
120 km/h

130 km/h

1:15 000

Kilometers

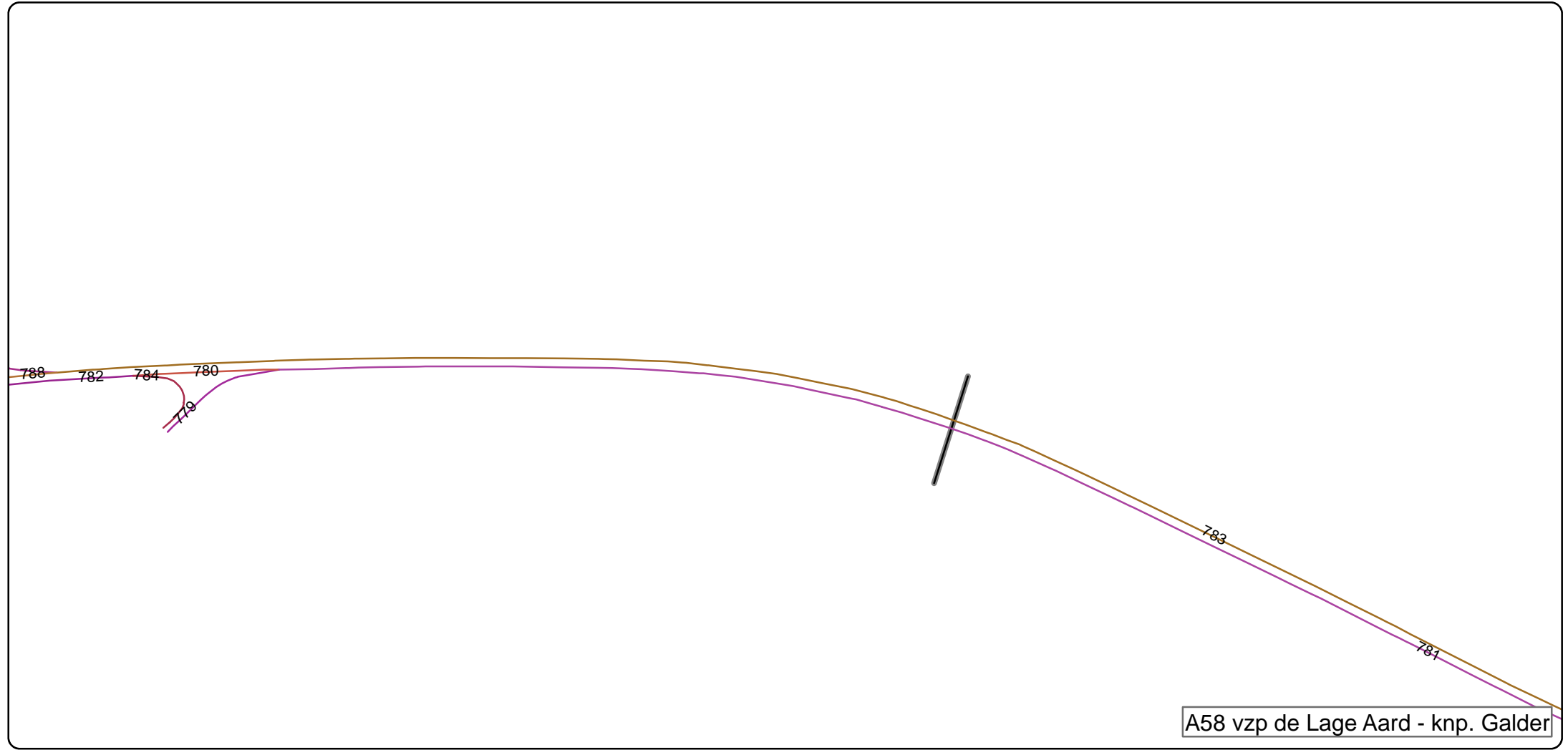
dGm^R



Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

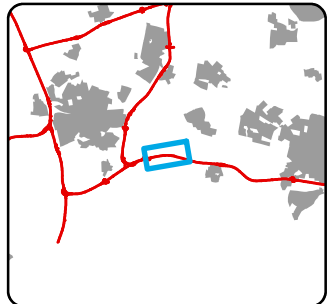
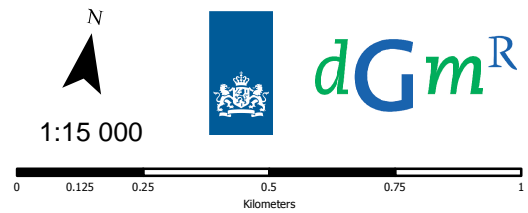
Uurintensiteiten

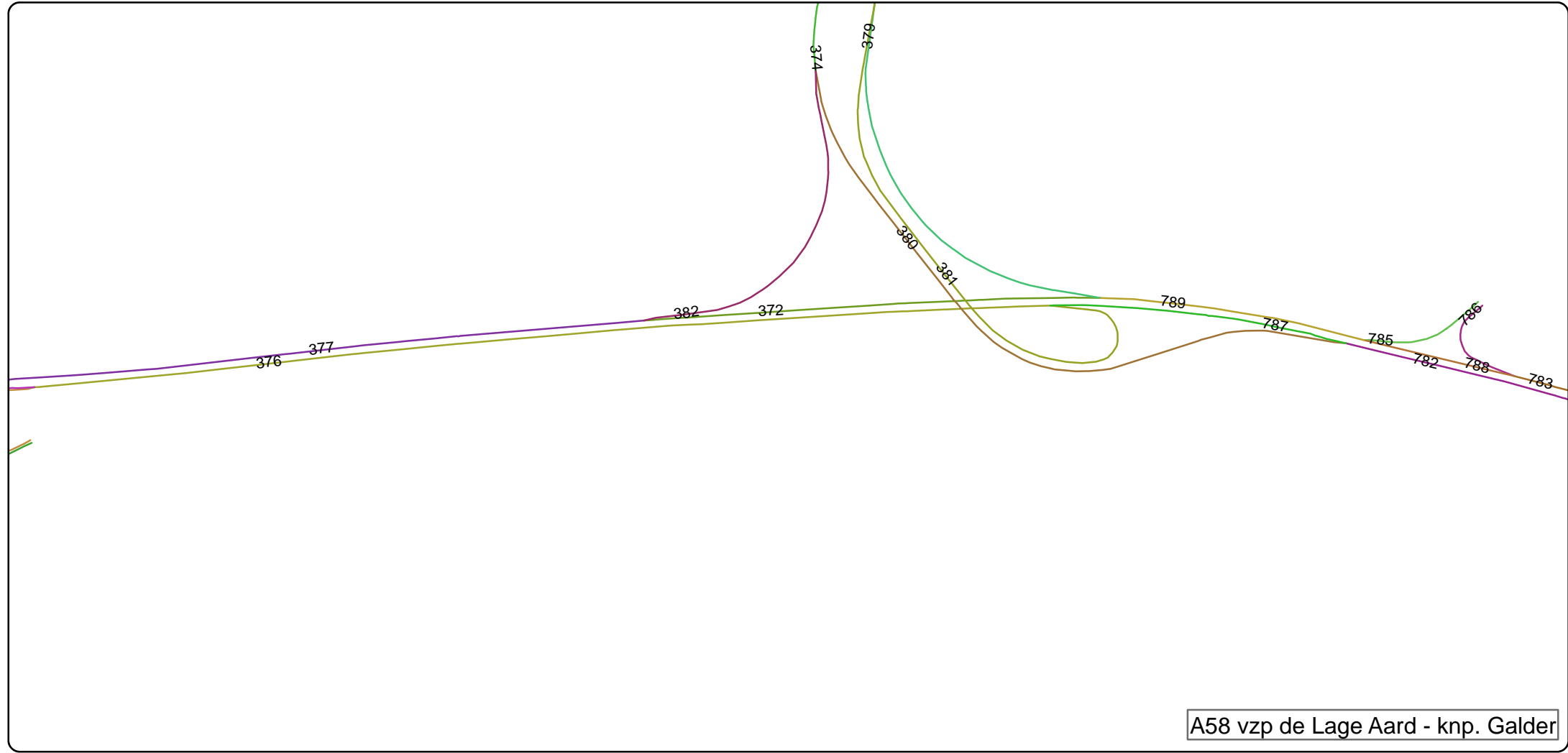
ID	peiljaar 2016								
	Dag			Avond			Nacht		
	Lichte mvt.	middelzware	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.
779	129.7	8.1	3.8	68.7	3.0	3.2	22.7	0.8	0.8
780	2 162.0	121.0	255.0	1 098.0	34.0	93.0	373.0	23.0	72.0
781	2 171.0	136.0	271.0	1 104.0	39.0	100.0	375.0	27.0	78.0
782	2 240.0	122.0	256.0	1 138.0	34.0	93.0	386.0	23.0	72.0
783	2 244.0	121.0	237.0	1 191.0	31.0	77.0	411.0	35.0	90.0
784	72.7	5.3	14.0	37.6	1.9	6.4	16.9	1.6	5.0
785	105.2	20.6	36.1	59.2	7.5	16.9	25.0	5.1	10.5
786	119.7	8.2	8.4	66.4	3.3	5.7	22.0	1.4	2.1
787	1 502.0	94.0	228.0	780.0	28.0	85.0	264.0	18.0	64.0
788	2 157.0	112.0	229.0	1 148.0	31.0	76.0	397.0	35.0	89.0
789	2 225.0	117.0	234.0	1 173.0	32.0	80.0	406.0	36.0	93.0
790	1 184.5	-	-	658.0	-	-	205.0	-	-
791	1 184.5	140.0	359.0	658.0	50.0	157.0	205.0	31.0	116.0
792	1 583.0	73.0	172.0	783.0	18.0	62.0	272.0	13.0	47.0
793	1 628.0	78.0	166.0	887.0	20.0	48.0	314.0	23.0	55.0
794	184.6	11.9	8.3	82.3	3.4	1.8	30.6	2.2	3.3
795	197.7	11.5	7.2	108.7	4.0	2.1	23.4	1.7	2.0
796	210.7	12.5	9.3	126.7	4.2	2.6	25.2	1.5	2.1
797	2 187.0	128.0	328.0	1 269.0	40.0	146.0	447.0	44.0	150.0
798	2 191.0	131.0	348.0	1 221.0	48.0	153.0	376.0	29.0	112.0
799	2 246.0	125.0	268.0	1 179.0	34.0	112.0	411.0	30.0	84.0
800	2 316.0	136.0	285.0	1 358.0	47.0	105.0	451.0	38.0	105.0
801	236.3	13.2	9.4	122.5	3.7	2.6	40.8	2.4	3.3
802	2 369.0	140.0	359.0	1 316.0	50.0	157.0	410.0	31.0	116.0
803	2 371.0	134.0	335.0	1 370.0	42.0	149.0	482.0	45.0	152.0
804	663.0	52.0	96.0	396.0	17.0	50.0	138.0	17.0	37.0
805	689.0	58.0	119.0	471.0	27.0	56.0	137.0	16.0	49.0
806	743.0	56.0	170.0	483.0	22.0	100.0	168.0	23.0	97.0
807	787.0	67.0	187.0	533.0	33.0	94.0	138.0	18.0	68.0
372	1 503.0	94.0	208.0	825.0	27.0	72.0	296.0	31.0	86.0
373	1 534.0	73.0	166.0	861.0	29.0	83.0	247.0	18.0	61.0
374	1 608.0	68.0	158.0	898.0	21.0	86.0	304.0	19.0	77.0
376	2 313.0	144.0	368.0	1 292.0	51.0	160.0	400.0	31.0	118.0
379	722.0	23.0	26.0	348.0	6.0	8.0	110.0	5.0	7.0
380	738.0	28.0	28.0	358.0	6.0	8.0	122.0	5.0	8.0
381	811.0	50.0	140.0	513.0	23.0	75.0	136.0	13.0	54.0
382	870.0	41.0	129.0	540.0	15.0	78.0	182.0	15.0	69.0
48	-	-	-	-	-	-	-	-	-



Legenda

— Onderzoeksgrens





Legenda

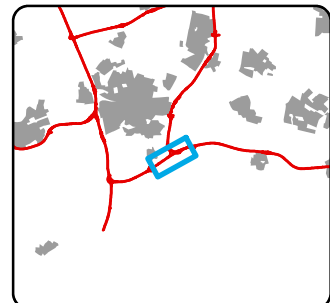
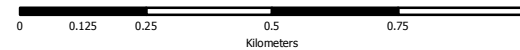
— Onderzoeksgrens

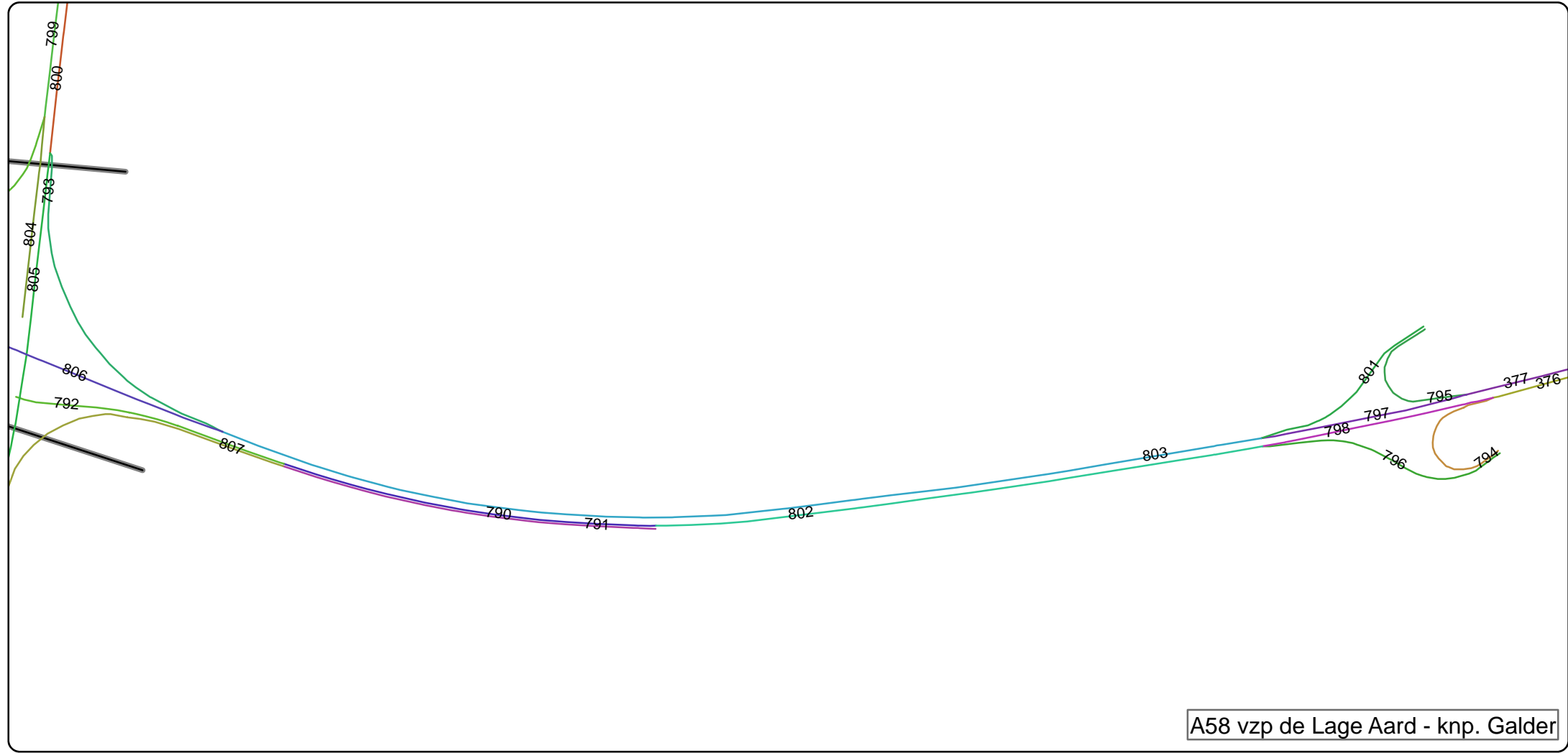


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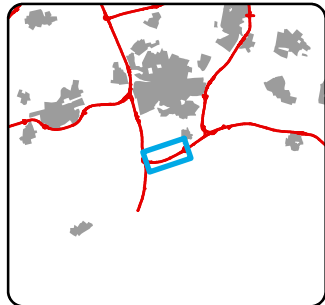
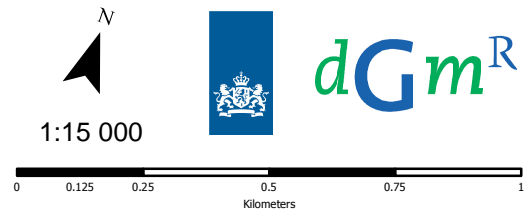
dGm^R

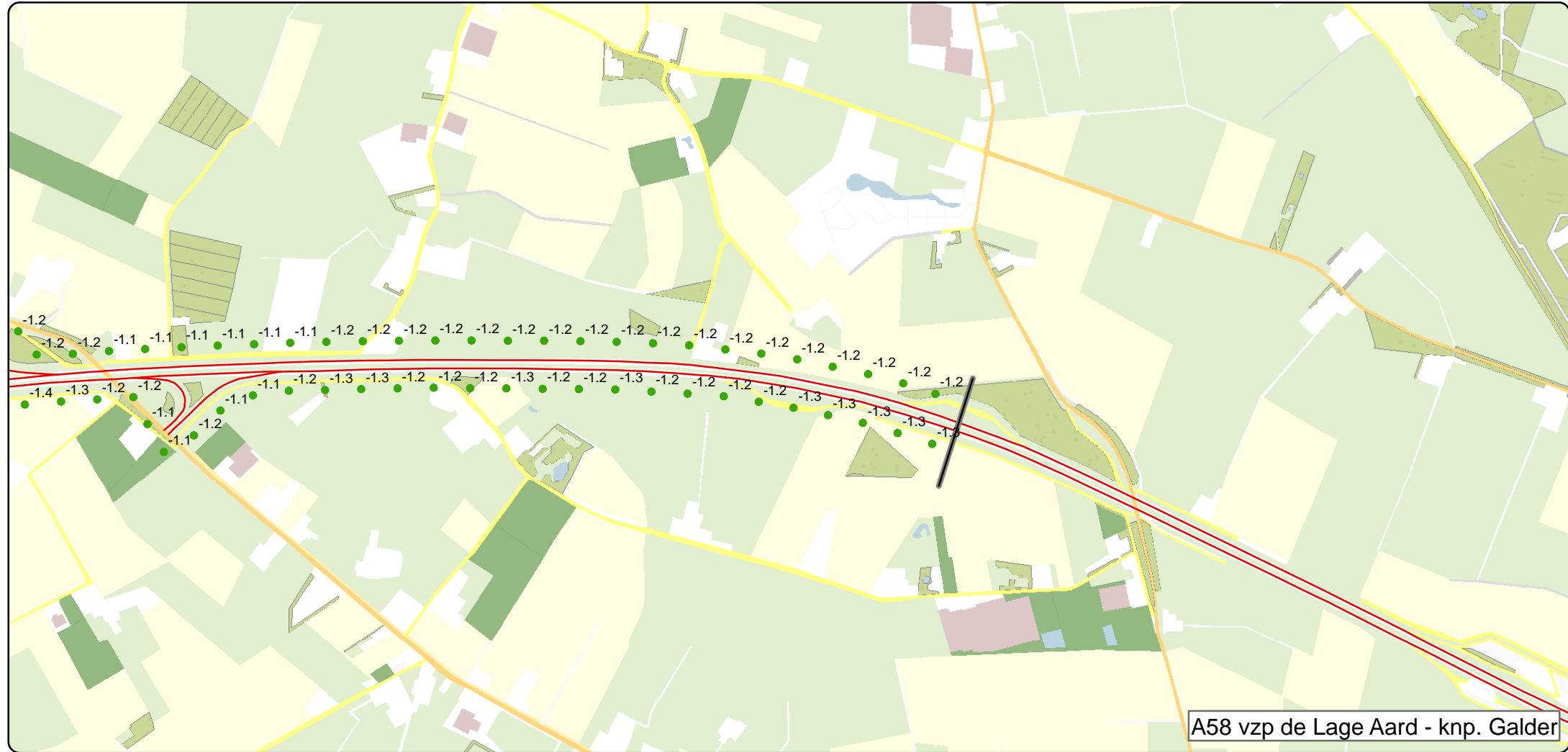




Legenda

— Onderzoeksgrens



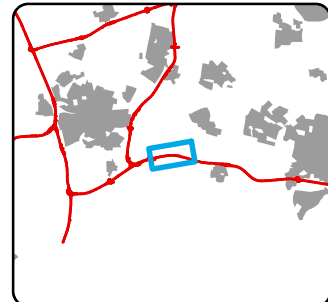
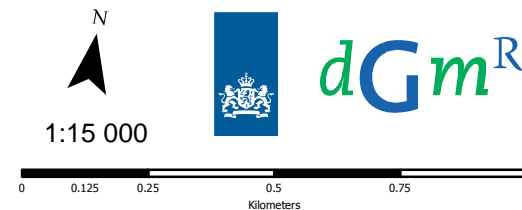


A58 vzw de Lage Aard - knp. Galder

**Legenda
Verschil met GPP**

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GPP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

- Onderzoeksgrens
- Rijkswegen

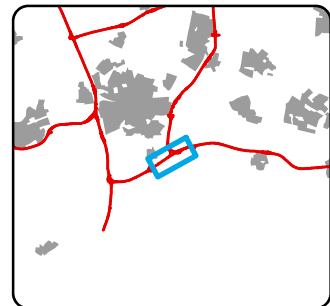
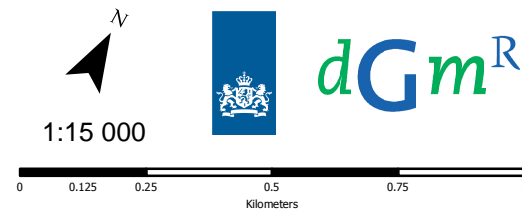




**Legenda
Verschil met GPP**

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GGP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

- Onderzoeksgrens
- Rijkswegen



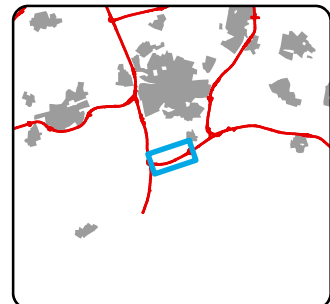
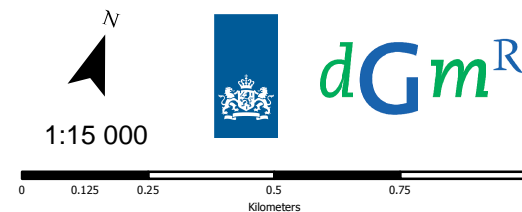


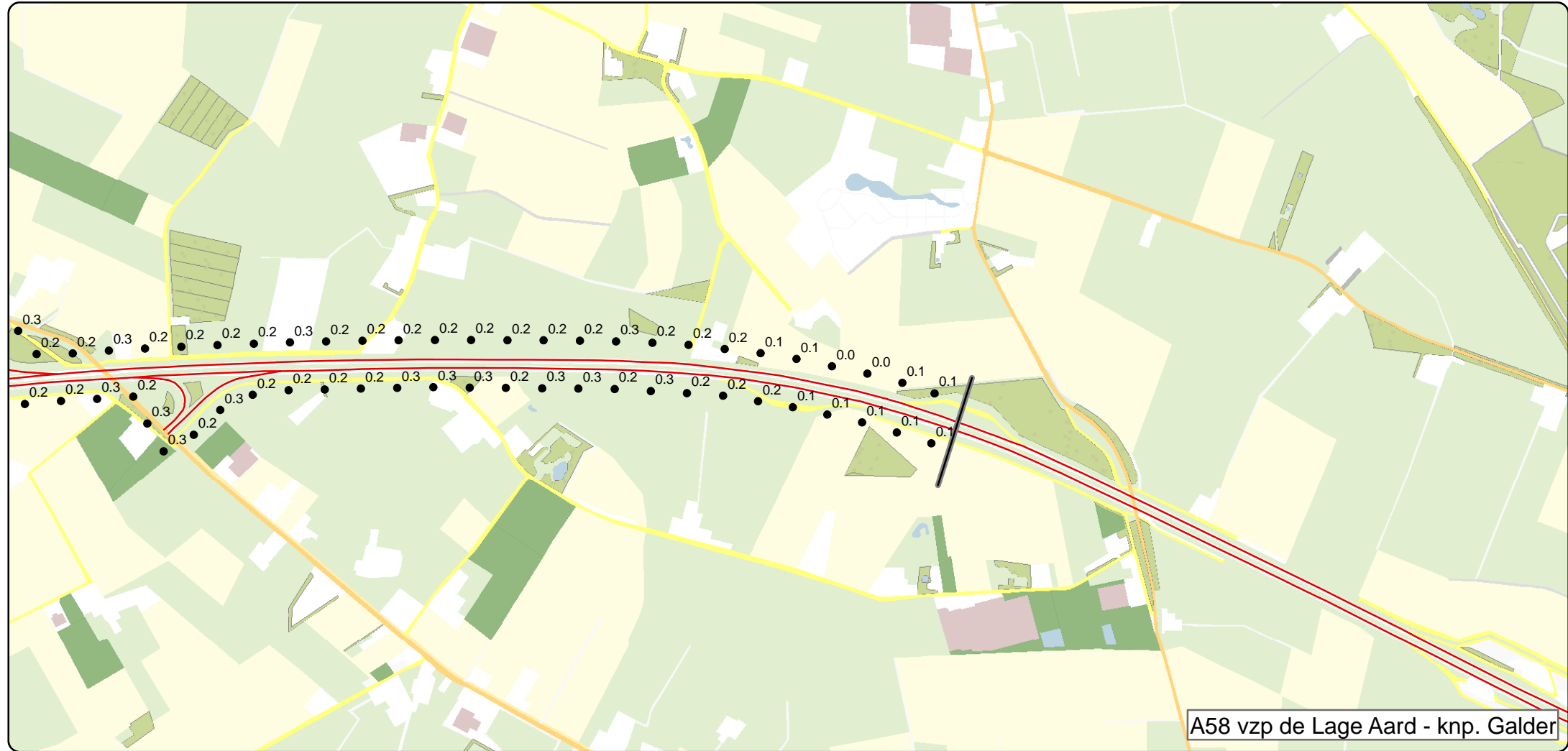
A58 vzw de Lage Aard - knp. Galder

**Legenda
Verschil met GPP**

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GPP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

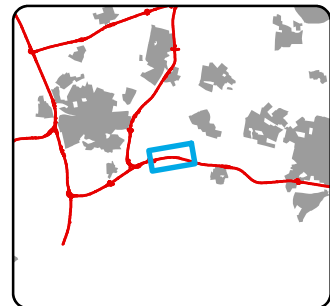
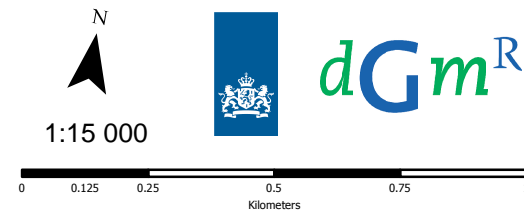
- Onderzoeksgrens
- Rijkswegen





Legenda

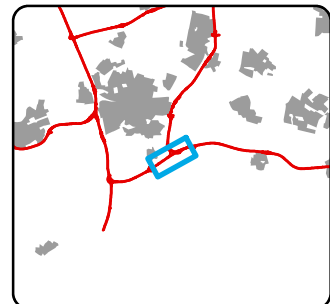
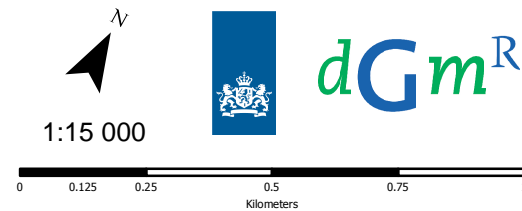
- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen





Legenda

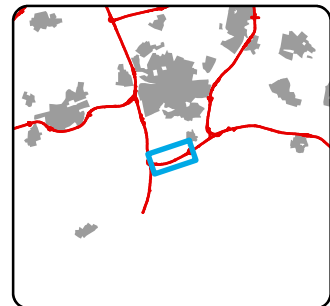
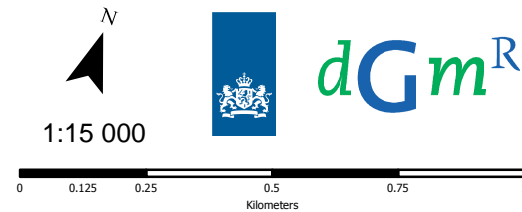
- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen





Legenda

- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen



Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
1143	110137.15	393662.50	64.8	62.6	-2.2
1144	110091.15	393573.75	62.3	59.8	-2.5
1145	110069.21	393476.59	64.0	61.5	-2.5
1146	110071.57	393377.15	66.8	64.2	-2.6
1147	110103.92	393283.00	67.8	65.2	-2.6
1148	110160.10	393200.86	68.2	65.7	-2.5
1149	110238.61	393140.32	68.8	66.3	-2.5
1150	110329.30	393098.22	69.7	67.4	-2.3
1247	111233.93	393153.12	72.4	71.1	-1.3
1248	111333.82	393154.96	71.5	70.2	-1.3
1249	111433.42	393163.94	71.6	70.3	-1.3
1250	111533.02	393172.92	70.9	69.6	-1.3
1251	111632.27	393184.80	70.1	68.8	-1.3
1252	111730.85	393201.31	67.4	66.2	-1.2
1253	111828.67	393222.11	66.9	65.7	-1.2
1254	111926.07	393244.62	67.2	65.9	-1.3
1255	112022.55	393270.90	66.7	65.4	-1.3
1256	112117.89	393300.93	67.9	66.6	-1.3
1257	112212.50	393333.32	66.6	65.3	-1.3
1258	112307.04	393365.89	66.4	65.1	-1.3
1259	112399.38	393404.27	66.8	65.6	-1.2
1260	112490.37	393445.63	67.6	66.3	-1.3
1261	112580.01	393489.97	68.6	67.3	-1.3
1262	112669.64	393534.31	71.2	69.9	-1.3
1263	112759.27	393578.66	71.4	70.1	-1.3
1264	112848.90	393623.00	70.3	69.1	-1.2
1265	112938.54	393667.34	69.6	68.4	-1.2
1266	113027.88	393712.25	69.2	68.0	-1.2
1267	113116.13	393759.27	69.4	68.1	-1.3
1268	113204.39	393806.30	69.3	68.0	-1.3
1269	113292.64	393853.33	66.9	65.7	-1.2
1270	113380.90	393900.35	66.8	65.5	-1.3
1271	113469.15	393947.38	67.1	65.9	-1.2
1272	113557.40	393994.41	67.6	66.4	-1.2
1273	113645.66	394041.43	62.9	61.5	-1.4
1274	113733.93	394088.42	62.3	61.0	-1.3
1275	113824.72	394130.34	62.2	60.9	-1.3
1276	113917.54	394166.34	62.0	60.7	-1.3
1277	114016.76	394167.14	62.0	60.8	-1.2
1278	114115.56	394151.73	60.1	58.8	-1.3
1279	114214.19	394160.04	59.1	57.9	-1.2
1280	114300.10	394209.36	59.5	58.3	-1.2
1281	114361.94	394287.00	59.1	57.9	-1.2
1282	114322.25	394383.17	61.0	59.7	-1.3
1283	114340.39	394454.33	62.8	61.5	-1.3
1284	114422.18	394511.86	62.6	61.3	-1.3

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
1285	114504.05	394569.28	66.3	65.1	-1.2
1286	114585.93	394626.69	66.1	64.9	-1.2
1287	114667.81	394684.11	66.4	65.2	-1.2
1288	114749.68	394741.53	66.4	65.2	-1.2
1289	114831.56	394798.94	64.2	63.0	-1.2
1290	114913.44	394856.36	67.1	65.9	-1.2
1291	114995.31	394913.77	66.7	65.5	-1.2
1292	115077.85	394970.22	66.5	65.3	-1.2
1293	115160.65	395026.30	66.3	65.1	-1.2
1294	115243.45	395082.38	66.8	65.6	-1.2
1295	115326.25	395138.45	66.4	65.2	-1.2
1296	115409.05	395194.53	66.4	65.2	-1.2
1297	115491.85	395250.60	64.9	63.6	-1.3
1298	115574.65	395306.68	64.5	63.3	-1.2
1299	115657.45	395362.75	64.9	63.6	-1.3
1300	115740.25	395418.83	65.3	64.0	-1.3
1301	115824.61	395472.52	64.5	63.2	-1.3
1302	115909.06	395526.09	63.4	62.1	-1.3
1303	115993.50	395579.65	63.6	62.2	-1.4
1304	116077.95	395633.21	63.6	62.2	-1.4
1305	116162.40	395686.78	63.7	62.2	-1.5
1306	116246.84	395740.34	67.5	66.1	-1.4
1307	116331.29	395793.90	71.1	69.7	-1.4
1308	116420.35	395831.18	70.8	69.5	-1.3
1309	116517.26	395806.98	67.9	66.6	-1.3
1310	116617.26	395806.12	67.0	65.7	-1.3
1311	116714.93	395825.20	66.4	65.1	-1.3
1312	116805.64	395866.74	66.1	64.7	-1.4
1313	116885.48	395926.43	65.8	64.4	-1.4
1314	116954.32	395998.97	65.8	64.3	-1.5
1315	117023.15	396071.52	66.3	64.9	-1.4
1316	117091.98	396144.06	67.5	66.1	-1.4
1317	117174.46	396199.96	68.9	67.5	-1.4
1318	117267.76	396235.51	69.4	68.0	-1.4
1319	117361.91	396269.23	70.0	68.7	-1.3
1320	117457.81	396297.39	70.2	68.8	-1.4
1321	117554.24	396323.89	69.9	68.6	-1.3
1322	117650.67	396350.38	69.8	68.5	-1.3
1323	117747.10	396376.88	69.7	68.3	-1.4
1324	117843.75	396402.47	69.2	67.9	-1.3
1325	117941.04	396425.64	66.4	65.2	-1.2
1326	118038.34	396448.69	69.5	68.3	-1.2
1327	118089.24	396382.85	63.6	62.5	-1.1
1328	118147.08	396314.62	60.9	59.8	-1.1
1329	118220.88	396374.16	62.8	61.6	-1.2
1330	118280.87	396454.09	65.7	64.6	-1.1

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
1331	118361.63	396510.85	68.3	67.2	-1.1
1332	118456.78	396540.93	69.5	68.3	-1.2
1333	118554.88	396560.36	69.2	67.9	-1.3
1334	118652.97	396579.79	68.8	67.5	-1.3
1335	118751.07	396599.22	69.3	68.1	-1.2
1336	118849.25	396618.15	69.8	68.6	-1.2
1337	118947.89	396634.63	70.1	68.9	-1.2
1338	119046.52	396651.10	70.2	68.9	-1.3
1339	119145.16	396667.57	70.1	68.9	-1.2
1340	119243.80	396684.04	70.1	68.9	-1.2
1341	119342.45	396700.40	69.9	68.6	-1.3
1342	119441.76	396712.10	69.3	68.1	-1.2
1343	119541.08	396723.81	69.1	67.9	-1.2
1344	119640.71	396733.82	69.1	67.9	-1.2
1345	119738.47	396735.91	68.9	67.7	-1.2
1346	119835.42	396736.52	69.1	67.8	-1.3
1347	119932.91	396732.85	68.9	67.6	-1.3
1348	120031.18	396728.19	69.2	67.9	-1.3
1349	120130.52	396717.47	69.3	68.0	-1.3
1350	120229.65	396704.26	69.3	68.0	-1.3
10368	120214.19	396841.97	69.3	68.1	-1.2
10369	120121.72	396854.75	69.5	68.3	-1.2
10370	120022.01	396862.95	69.4	68.2	-1.2
10371	119922.05	396866.39	69.4	68.2	-1.2
10372	119822.05	396869.19	69.1	67.9	-1.2
10373	119722.06	396867.46	69.0	67.8	-1.2
10374	119622.17	396862.01	69.0	67.8	-1.2
10375	119522.33	396855.87	69.1	67.9	-1.2
10376	119423.03	396843.88	69.6	68.4	-1.2
10377	119323.89	396830.55	69.9	68.7	-1.2
10378	119225.04	396815.24	70.1	68.9	-1.2
10379	119126.39	396798.60	70.2	69.0	-1.2
10380	119027.84	396781.44	70.4	69.2	-1.2
10381	118929.27	396764.42	70.2	69.0	-1.2
10382	118830.72	396747.25	69.9	68.7	-1.2
10383	118732.28	396729.47	69.6	68.4	-1.2
10384	118634.03	396710.66	69.4	68.2	-1.2
10385	118535.84	396691.60	69.5	68.3	-1.2
10386	118437.81	396671.71	69.4	68.3	-1.1
10387	118340.07	396650.40	69.4	68.3	-1.1
10388	118242.31	396629.21	69.4	68.3	-1.1
10389	118144.56	396607.92	69.4	68.3	-1.1
10390	118047.14	396585.24	69.1	68.0	-1.1
10391	117949.83	396562.04	69.0	67.9	-1.1
10392	117852.85	396537.57	69.2	68.0	-1.2
10393	117754.96	396518.12	69.1	67.9	-1.2

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
10394	117693.67	396572.47	64.5	63.3	-1.2
10396	117581.45	396613.75	62.5	61.2	-1.3
10397	117546.14	396520.22	65.7	64.4	-1.3
10398	117477.54	396449.99	68.7	67.4	-1.3
10399	117386.35	396409.21	70.3	69.0	-1.3
10400	117289.50	396384.15	70.1	68.8	-1.3
10401	117193.00	396357.87	70.0	68.7	-1.3
10402	117098.12	396326.25	70.1	68.8	-1.3
10403	117003.98	396292.41	70.2	68.8	-1.4
10404	116911.03	396255.51	70.3	69.0	-1.3
10405	116818.64	396217.14	70.6	69.2	-1.4
10406	116728.10	396174.79	70.7	69.4	-1.3
10407	116635.49	396137.63	70.2	68.8	-1.4
10408	116540.96	396104.94	69.4	68.0	-1.4
10409	116443.37	396084.09	68.4	67.0	-1.4
10410	116343.54	396079.59	67.4	65.9	-1.5
10411	116244.80	396094.39	66.8	65.4	-1.4
10412	116150.72	396127.83	66.9	65.4	-1.5
10413	116064.46	396178.13	66.6	65.2	-1.4
10742	115816.56	396071.58	67.9	66.8	-1.1
10743	115863.71	395983.67	67.6	66.5	-1.1
10744	115882.29	395885.81	66.4	65.4	-1.0
10745	115874.85	395786.46	61.6	60.5	-1.1
10746	115839.89	395692.94	59.1	57.8	-1.3
10747	115780.22	395613.41	60.3	59.0	-1.3
10748	115701.08	395552.28	61.7	60.3	-1.4
10749	115621.26	395492.05	61.0	59.6	-1.4
10750	115538.02	395436.48	61.4	60.0	-1.4
10751	115454.80	395380.89	61.6	60.2	-1.4
10752	115371.59	395325.29	61.8	60.4	-1.4
10753	115288.37	395269.69	61.7	60.3	-1.4
10754	115205.15	395214.09	60.4	59.1	-1.3
10755	115122.71	395157.37	60.8	59.5	-1.3
10756	115040.28	395100.61	61.0	59.6	-1.4
10757	114957.97	395043.67	60.8	59.5	-1.3
10758	114876.44	394985.63	60.9	59.5	-1.4
10759	114794.93	394927.56	61.6	60.3	-1.3
10760	114713.41	394869.50	65.4	64.2	-1.2
10761	114631.90	394811.42	66.4	65.2	-1.2
10762	114550.39	394753.35	65.8	64.6	-1.2
10763	114468.09	394696.42	66.3	65.1	-1.2
10764	114384.74	394641.03	66.0	64.8	-1.2
10765	114300.96	394586.29	66.7	65.5	-1.2
10766	114216.77	394532.17	66.1	64.9	-1.2
10767	114131.36	394480.67	67.7	66.5	-1.2
10768	114045.79	394490.83	63.1	61.9	-1.2

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
10769	114075.63	394581.17	60.2	59.0	-1.2
10770	114011.21	394642.21	58.1	56.8	-1.3
10771	113940.45	394575.49	59.8	58.5	-1.3
10772	113887.30	394491.44	60.5	59.2	-1.3
10773	113858.62	394395.55	62.7	61.5	-1.2
10774	113811.40	394307.93	65.2	64.0	-1.2
10775	113733.38	394246.49	65.4	64.2	-1.2
10776	113650.77	394190.34	64.7	63.4	-1.3
10777	113562.56	394143.07	67.3	66.1	-1.2
10778	113474.91	394094.78	66.0	64.8	-1.2
10779	113387.01	394046.92	64.4	63.1	-1.3
10780	113299.12	393999.05	63.9	62.6	-1.3
10781	113211.23	393951.18	65.3	64.0	-1.3
10782	113123.04	393903.87	69.1	67.9	-1.2
10783	113034.15	393857.89	69.3	68.0	-1.3
10784	112945.25	393811.91	69.3	68.1	-1.2
10785	112855.48	393767.68	69.6	68.4	-1.2
10786	112765.33	393724.22	70.5	69.3	-1.2
10787	112675.38	393680.33	71.0	69.7	-1.3
10788	112585.63	393636.04	70.9	69.7	-1.2
10789	112495.85	393591.82	70.7	69.4	-1.3
10790	112405.31	393549.17	70.4	69.2	-1.2
10791	112313.85	393508.66	69.9	68.6	-1.3
10792	112220.66	393472.18	69.3	68.1	-1.2
10793	112126.31	393438.82	67.0	65.7	-1.3
10794	112030.92	393408.57	64.4	63.2	-1.2
10795	111934.42	393382.01	64.6	63.5	-1.1
10796	111837.42	393357.47	66.1	65.1	-1.0
10797	111739.51	393336.75	63.1	61.9	-1.2
10798	111641.16	393318.44	64.3	63.1	-1.2
10799	111541.99	393305.00	66.8	65.5	-1.3
10800	111442.60	393293.51	71.1	69.8	-1.3
10801	111342.86	393285.86	71.9	70.6	-1.3
10802	111242.83	393282.80	72.0	70.7	-1.3
10803	110494.14	393478.88	69.7	68.0	-1.7
10804	110431.22	393556.52	69.6	68.0	-1.6
10805	110386.08	393645.68	69.4	67.8	-1.6
10806	110359.19	393742.01	69.5	67.9	-1.6
24921	110587.96	393068.19	69.9	67.6	-2.3
24922	110668.84	393125.87	70.2	67.8	-2.4
24923	110766.61	393144.43	69.6	67.3	-2.3
24924	110865.70	393155.72	69.1	66.6	-2.5
24925	110965.69	393154.51	71.4	69.6	-1.8
24926	111065.67	393152.11	71.7	70.2	-1.5
24927	111165.70	393151.54	71.8	70.5	-1.3
24928	111119.22	393284.32	72.0	70.6	-1.4

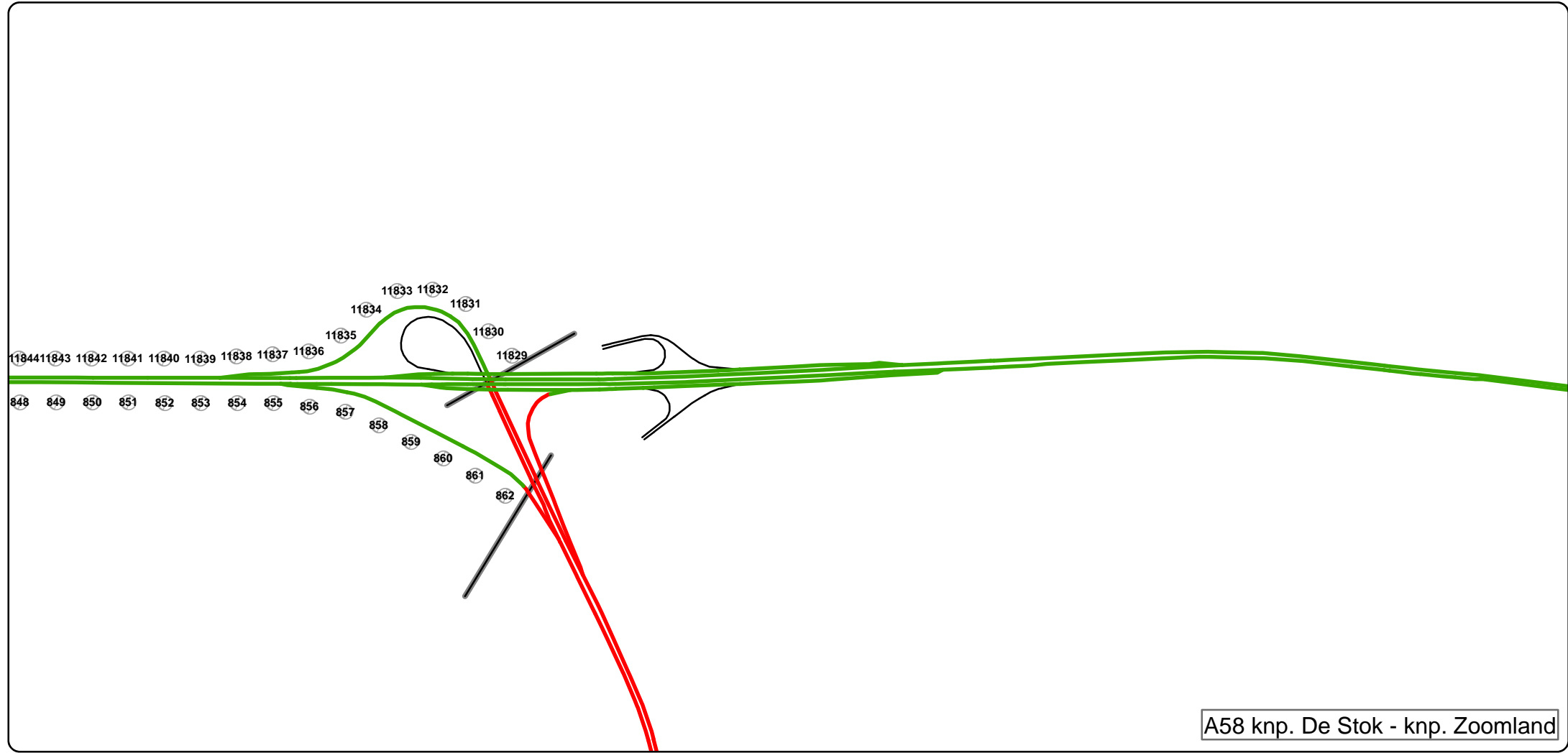
Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
24929	111019.24	393287.34	72.2	70.7	-1.5
24930	110920.03	393298.49	70.5	69.0	-1.5
24931	110820.55	393307.63	70.0	68.4	-1.6
24932	110722.82	393328.20	69.8	68.3	-1.5
24933	110632.03	393369.76	69.9	68.3	-1.6
24934	110549.02	393425.23	69.7	68.1	-1.6

Bijlage 16

Titel	Traject A58 knp. De Stok - knp. Zoomland
Omvang	19 pagina's
Bron	Silence / GIS
Toelichting	Uitgangspunten en resultaten van de toetsing op referentiepunten



A58 knp. De Stok - knp. Zoomland

Legenda

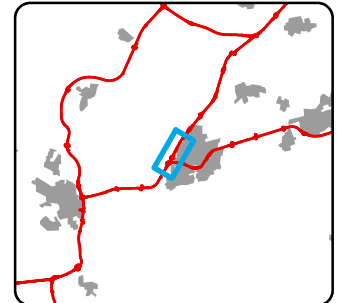
Snelheidsbeeld na snelheidsverhoging

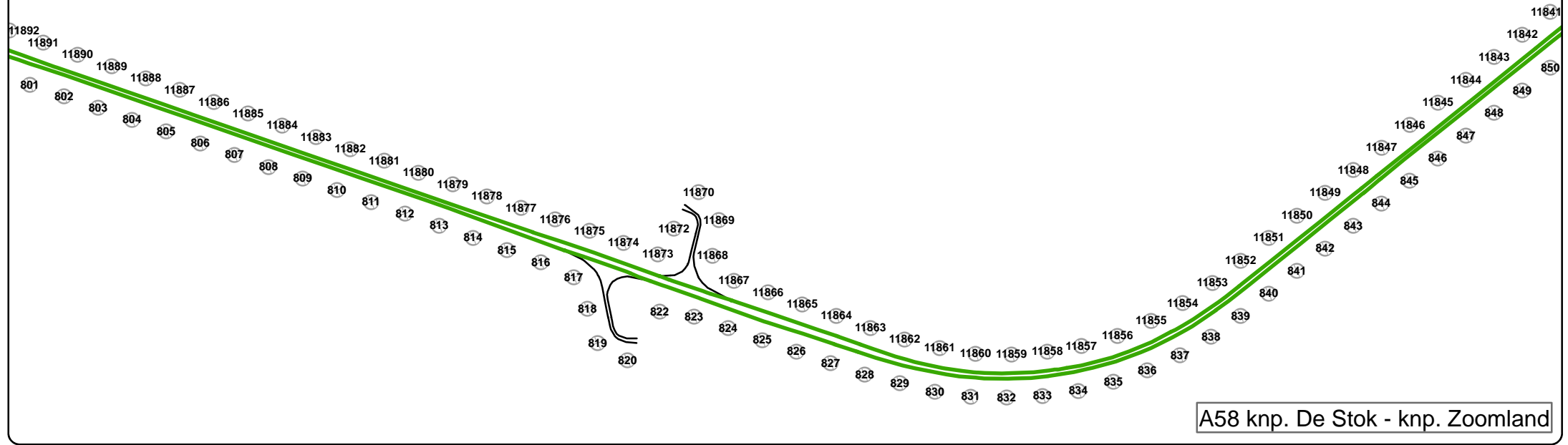
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- 100 km/h
- 120 km/h
- 130 km/h

- Onderzoeksgrens
- Referentiepunt

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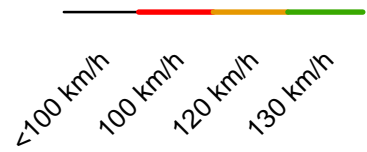
Kilometers



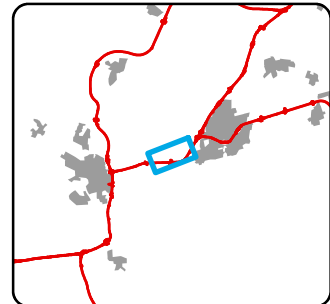
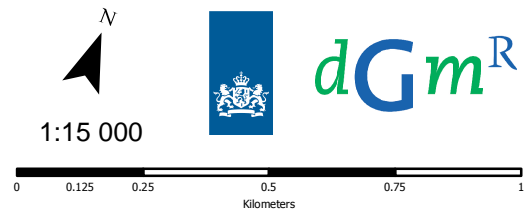


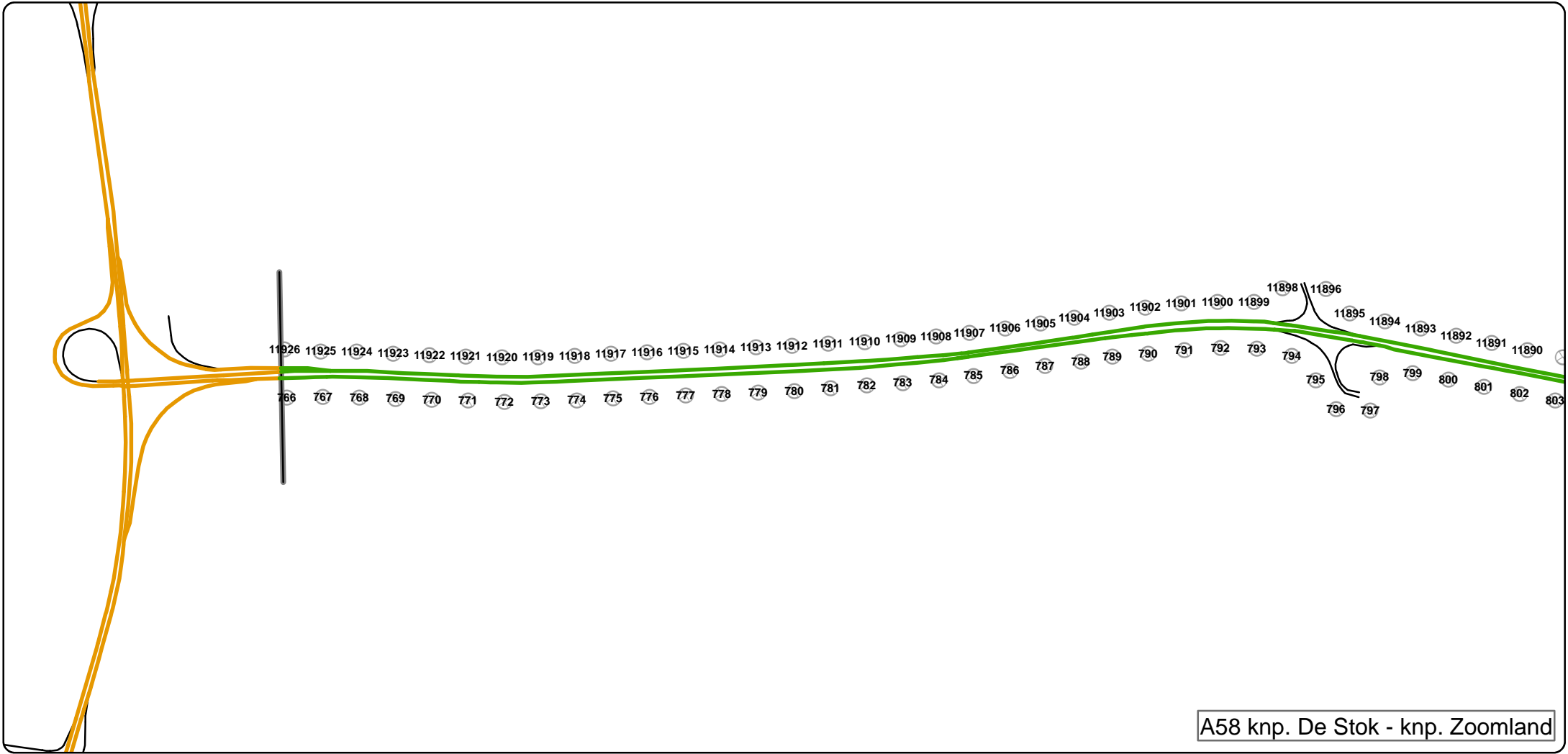
Legenda

Snelheidsbeeld na snelheidsverhoging



- Onderzoeksgrens
- ⊗ Referentiepunt





A58 knp. De Stok - knp. Zoomland

Legenda

Snelheidsbeeld na snelheidsverhoging

— Onderzoeksgrens

⊗ Referentiepunt

<100 km/h

100 km/h

120 km/h

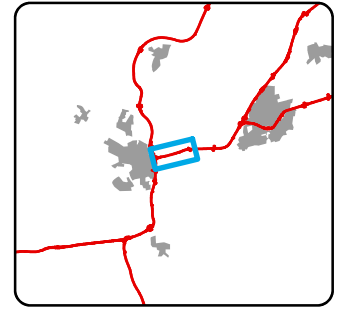
130 km/h

N

1:15 000

Kilometers

dGm^R



Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

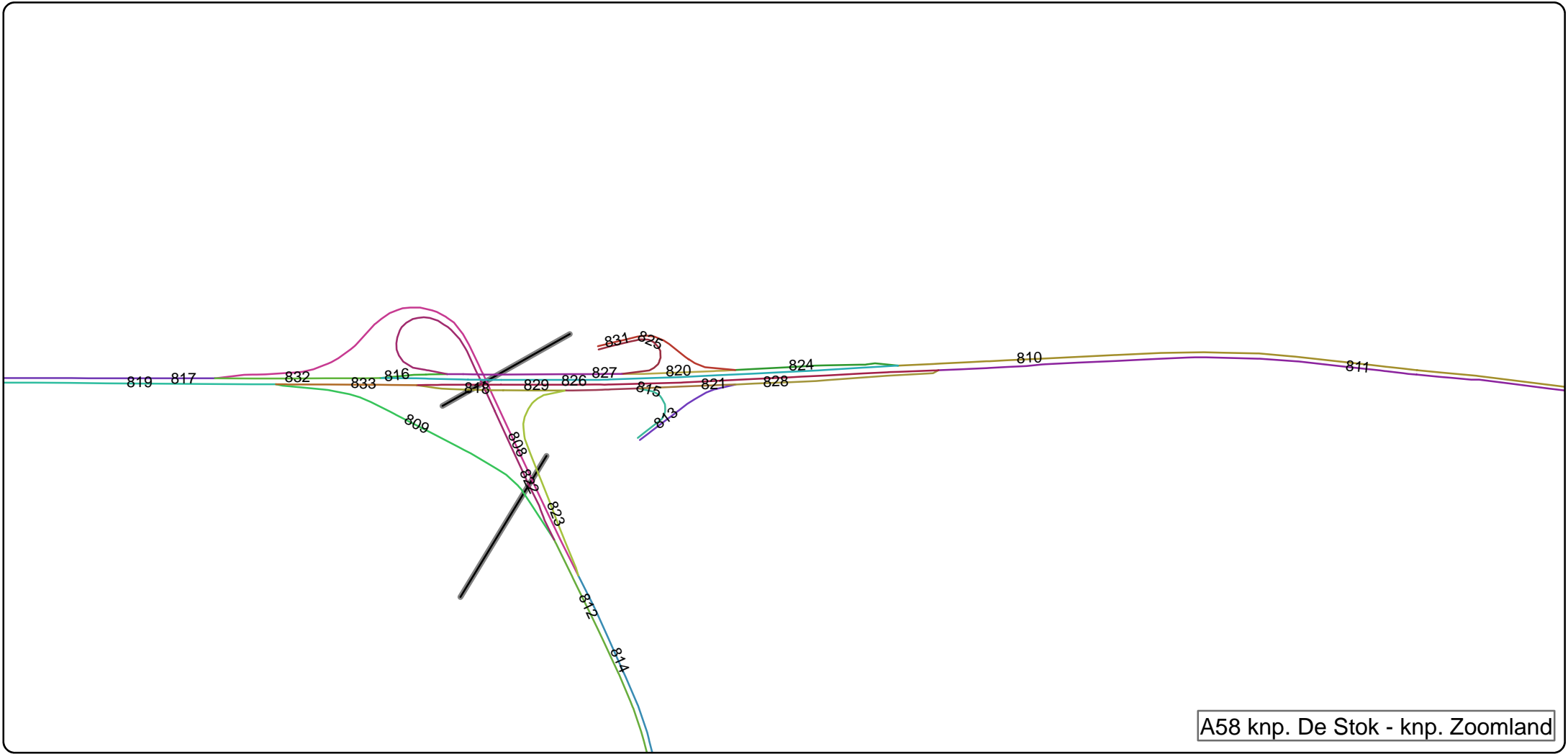
Uurintensiteiten

ID	peiljaar 2016								
	Dag			Avond			Nacht		
	Lichte mvt.	middelzware	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.
808	1 129.0	85.0	89.0	585.0	19.0	21.0	187.0	21.0	28.0
809	1 167.0	77.0	90.0	588.0	17.0	22.0	188.0	11.0	19.0
810	1 292.0	108.0	136.0	607.0	22.0	36.0	191.0	21.0	42.0
811	1 403.0	110.0	146.0	634.0	24.0	43.0	287.0	17.0	28.0
812	1 663.0	115.0	114.0	756.0	24.0	27.0	230.0	16.0	25.0
813	167.1	17.8	25.4	98.1	7.2	13.5	41.0	4.1	6.6
814	1 681.0	122.0	114.0	840.0	24.0	25.0	291.0	27.0	34.0
815	171.8	15.8	13.9	81.6	6.2	8.2	31.7	2.5	3.1
816	196.0	5.0	3.0	98.0	1.0	2.0	33.0	1.0	1.0
817	1 996.0	157.0	192.0	1 017.0	35.0	49.0	334.0	38.0	61.0
818	202.0	4.0	4.0	120.0	1.0	2.0	37.0	1.0	1.0
819	2 073.0	158.0	219.0	1 035.0	37.0	61.0	382.0	24.0	42.0
820	302.0	25.0	16.0	132.0	4.0	3.0	32.0	3.0	5.0
821	331.0	19.0	11.0	131.0	2.0	2.0	66.0	3.0	2.0
822	496.0	38.0	24.0	168.0	6.0	6.0	42.0	5.0	6.0
823	552.0	37.0	25.0	255.0	5.0	4.0	104.0	6.0	6.0
824	621.0	40.0	36.0	273.0	8.0	9.0	77.0	5.0	9.0
825	67.6	5.2	5.6	36.2	2.3	3.5	14.4	0.9	1.5
826	670.0	67.0	100.0	334.0	14.0	27.0	114.0	16.0	33.0
827	692.0	43.0	27.0	266.0	8.0	7.0	75.0	6.0	8.0
828	699.0	33.0	21.0	307.0	5.0	5.0	129.0	5.0	6.0
829	704.0	77.0	125.0	327.0	18.0	38.0	158.0	12.0	22.0
830	754.0	41.0	28.0	376.0	6.0	6.0	141.0	7.0	7.0
831	86.0	15.3	20.9	47.5	4.0	7.8	17.3	2.8	5.4
832	866.0	72.0	103.0	432.0	16.0	29.0	147.0	17.0	34.0
833	906.0	81.0	129.0	447.0	19.0	40.0	195.0	13.0	23.0
834	1 904.0	152.0	188.0	970.0	33.0	48.0	319.0	37.0	60.0
835	1 973.0	156.0	191.0	1 009.0	34.0	49.0	333.0	38.0	61.0
836	1 978.0	153.0	213.0	935.0	36.0	60.0	345.0	23.0	40.0
837	2 033.0	156.0	215.0	968.0	37.0	61.0	355.0	24.0	41.0
838	71.4	4.8	5.3	39.4	1.4	2.4	16.1	1.2	1.7
839	79.6	4.6	5.4	43.6	1.2	2.2	15.0	1.2	1.8
840	8.1	-	-	4.3	-	-	1.7	-	-
841	9.4	0.8	0.9	4.7	0.5	0.8	1.8	0.1	0.2
842	1 002.0	84.0	130.0	474.0	22.0	54.0	187.0	17.0	34.0
843	1 008.0	69.0	130.0	513.0	21.0	50.0	172.0	16.0	39.0
844	1 229.0	102.0	152.0	624.0	24.0	40.0	212.0	27.0	49.0
845	1 287.0	123.0	172.0	632.0	30.0	49.0	216.0	16.0	29.0
846	169.2	13.1	12.7	88.2	5.1	7.4	39.0	2.6	3.5
847	1 707.0	165.0	285.0	845.0	45.0	93.0	288.0	27.0	63.0
848	1 714.0	164.0	269.0	876.0	41.0	90.0	317.0	40.0	78.0
849	1 923.0	153.0	188.0	983.0	34.0	49.0	325.0	37.0	60.0
850	1 970.0	173.0	290.0	959.0	47.0	95.0	332.0	28.0	65.0
851	1 982.0	172.0	273.0	989.0	43.0	92.0	353.0	42.0	80.0

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

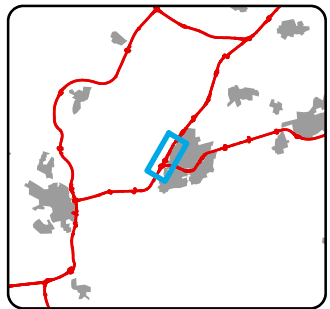
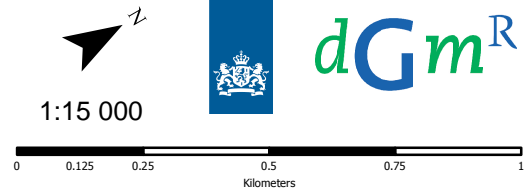
Uurintensiteiten

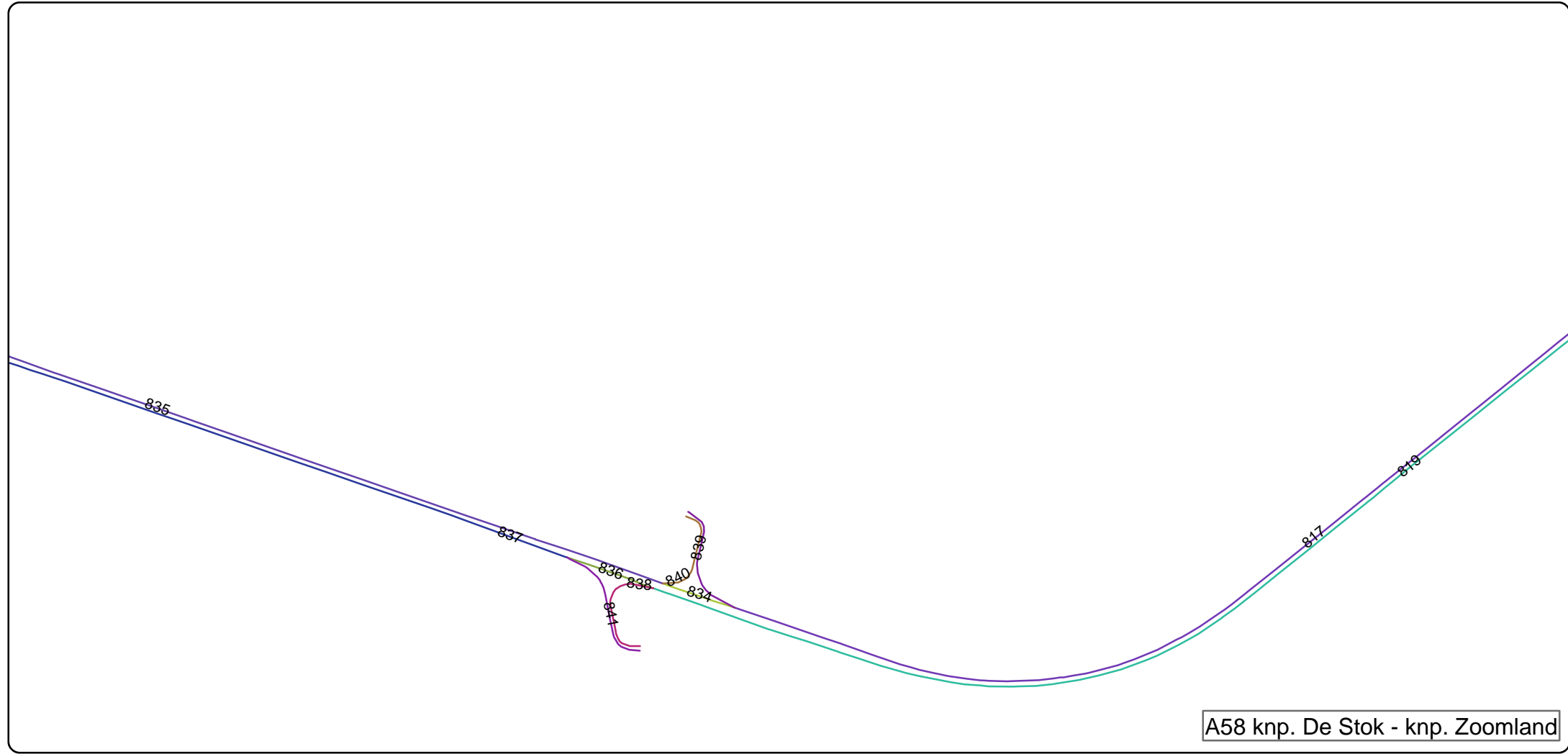
peiljaar 2016									
ID	Dag			Avond			Nacht		
	Lichte mvt.	middelzware	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.
852	1 984.0	155.0	214.0	947.0	37.0	60.0	347.0	23.0	41.0
853	20.5	2.3	2.5	11.2	0.8	1.2	4.7	0.6	0.9
854	2 006.0	158.0	195.0	1 026.0	35.0	51.0	341.0	39.0	62.0
855	2 073.0	162.0	219.0	988.0	38.0	62.0	364.0	24.0	42.0
856	210.0	5.0	4.0	80.0	1.0	2.0	31.0	1.0	1.0
857	250.0	14.0	9.0	110.0	3.0	3.0	46.0	3.0	2.0
858	253.6	24.6	25.2	128.9	8.0	11.3	49.7	4.2	6.8
859	273.0	11.0	13.0	142.0	3.0	4.0	42.0	2.0	3.0
860	29.3	4.7	4.6	15.9	1.2	1.8	5.5	0.8	1.3
861	325.0	19.0	12.0	185.0	4.0	4.0	57.0	4.0	3.0
862	34.6	1.5	2.3	18.6	0.9	1.8	7.4	0.2	0.5
863	408.9	23.6	24.7	211.1	6.0	9.1	68.0	3.7	5.9
864	51.3	5.4	6.5	27.8	2.9	4.7	11.7	0.8	1.6
865	683.0	50.0	118.0	328.0	17.0	46.0	116.0	12.0	36.0
866	735.0	58.0	117.0	371.0	19.0	46.0	130.0	14.0	36.0
867	753.0	70.0	121.0	364.0	19.0	52.0	141.0	15.0	31.0
868	776.0	56.0	44.0	402.0	11.0	11.0	129.0	11.0	13.0
869	786.0	39.0	47.0	356.0	8.0	14.0	148.0	8.0	13.0
870	792.0	79.0	126.0	395.0	20.0	52.0	157.0	16.0	32.0
48	-	-	-	-	-	-	-	-	-



Legenda

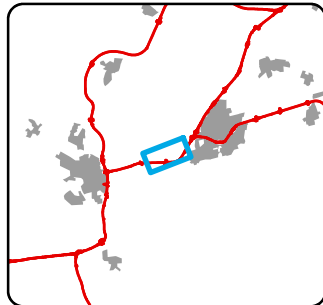
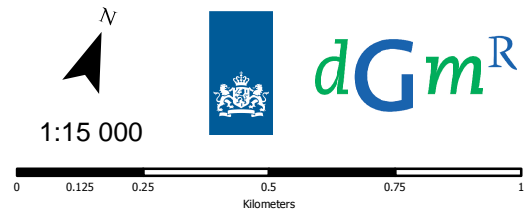
— Onderzoeksgrens

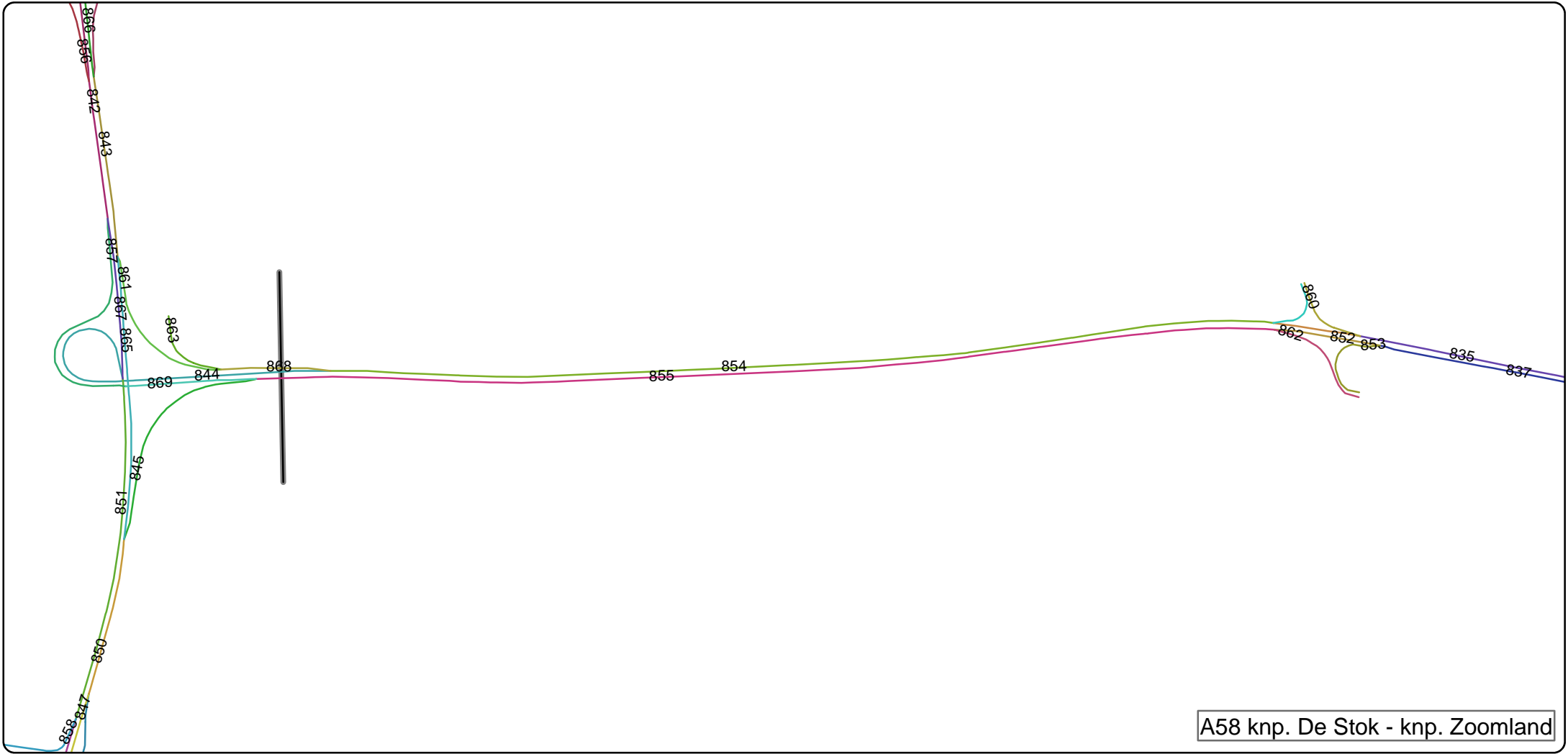




Legenda

— Onderzoeksgrens

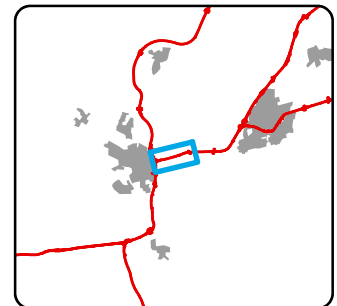
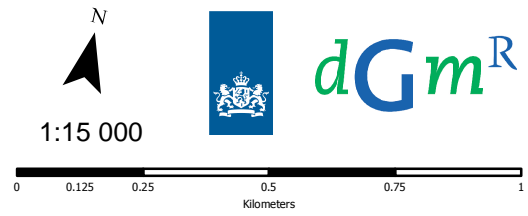


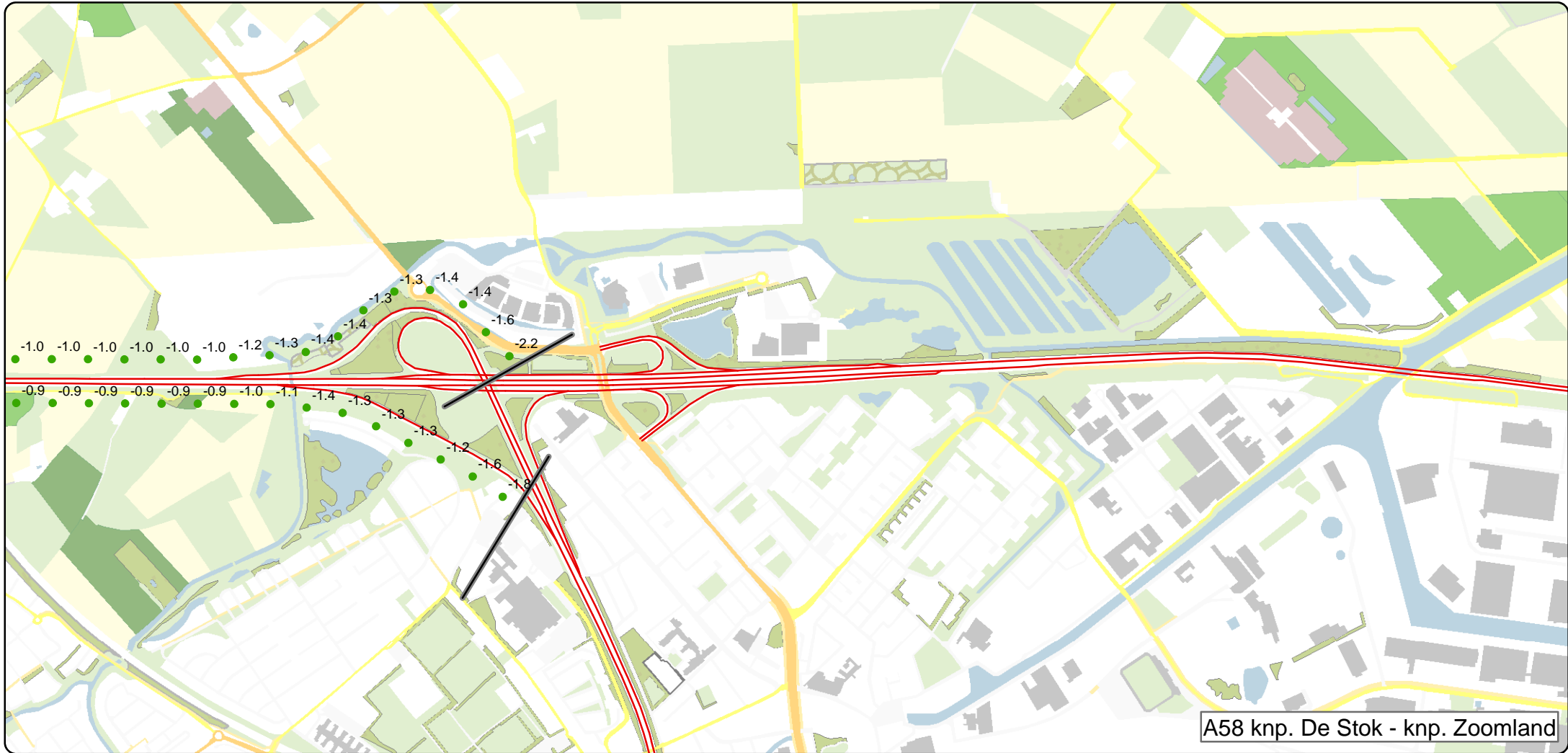


A58 knp. De Stok - knp. Zoomland

Legenda

— Onderzoeksgrens

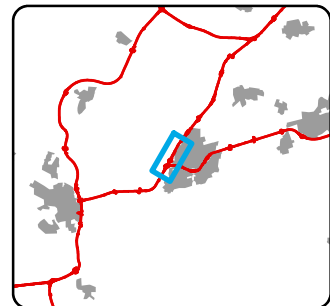
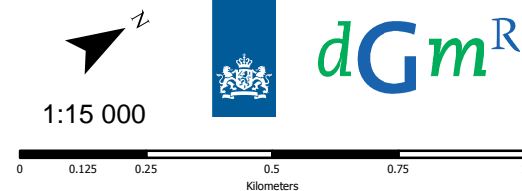


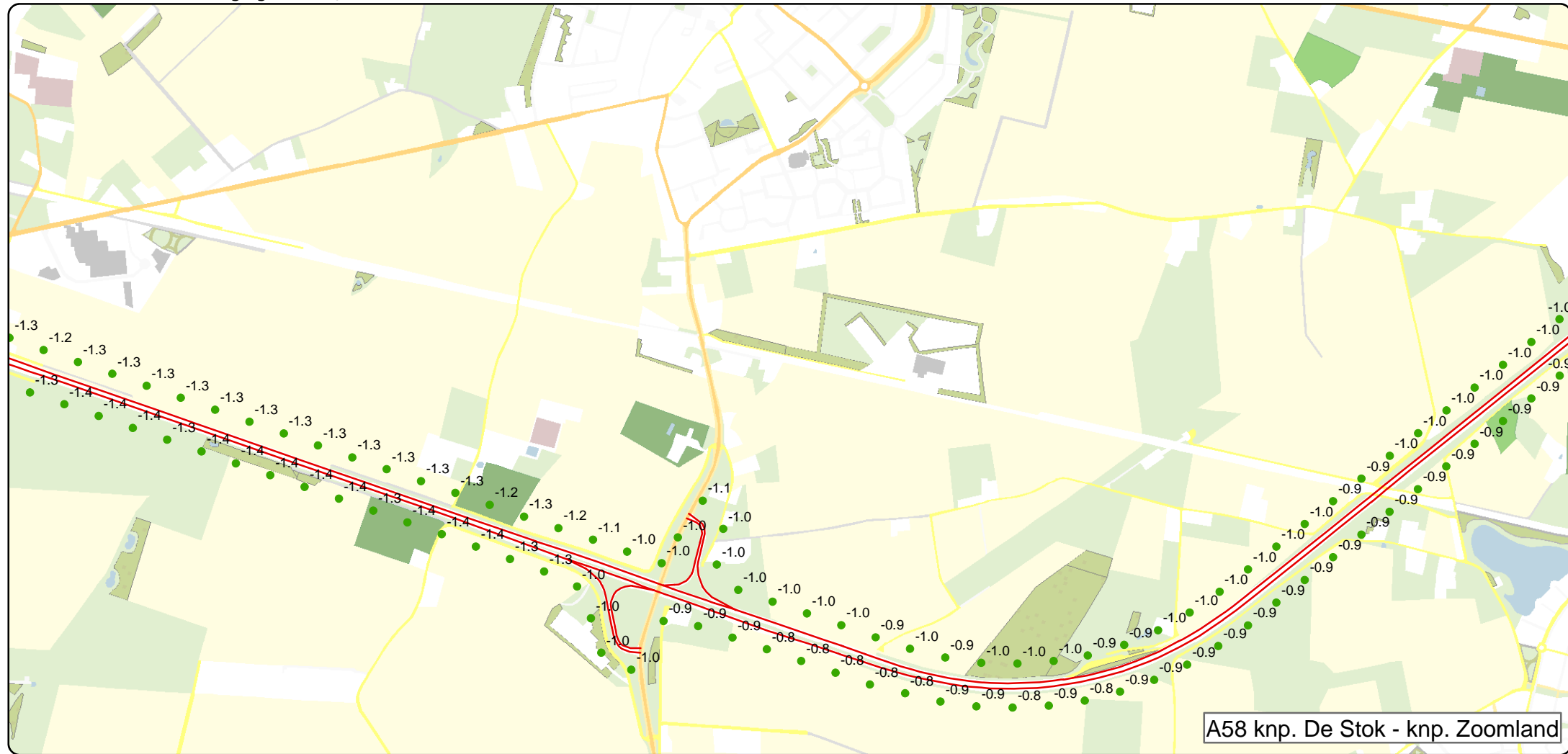


**Legenda
Verschil met GPP**

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GGP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

- Onderzoeksgrens
- Rijkswegen

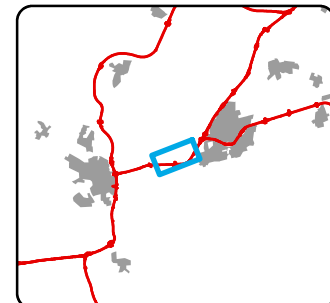
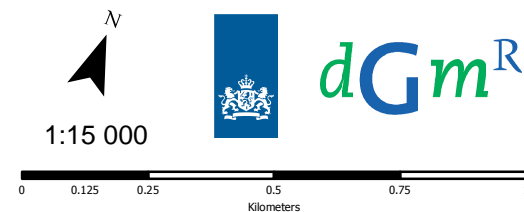


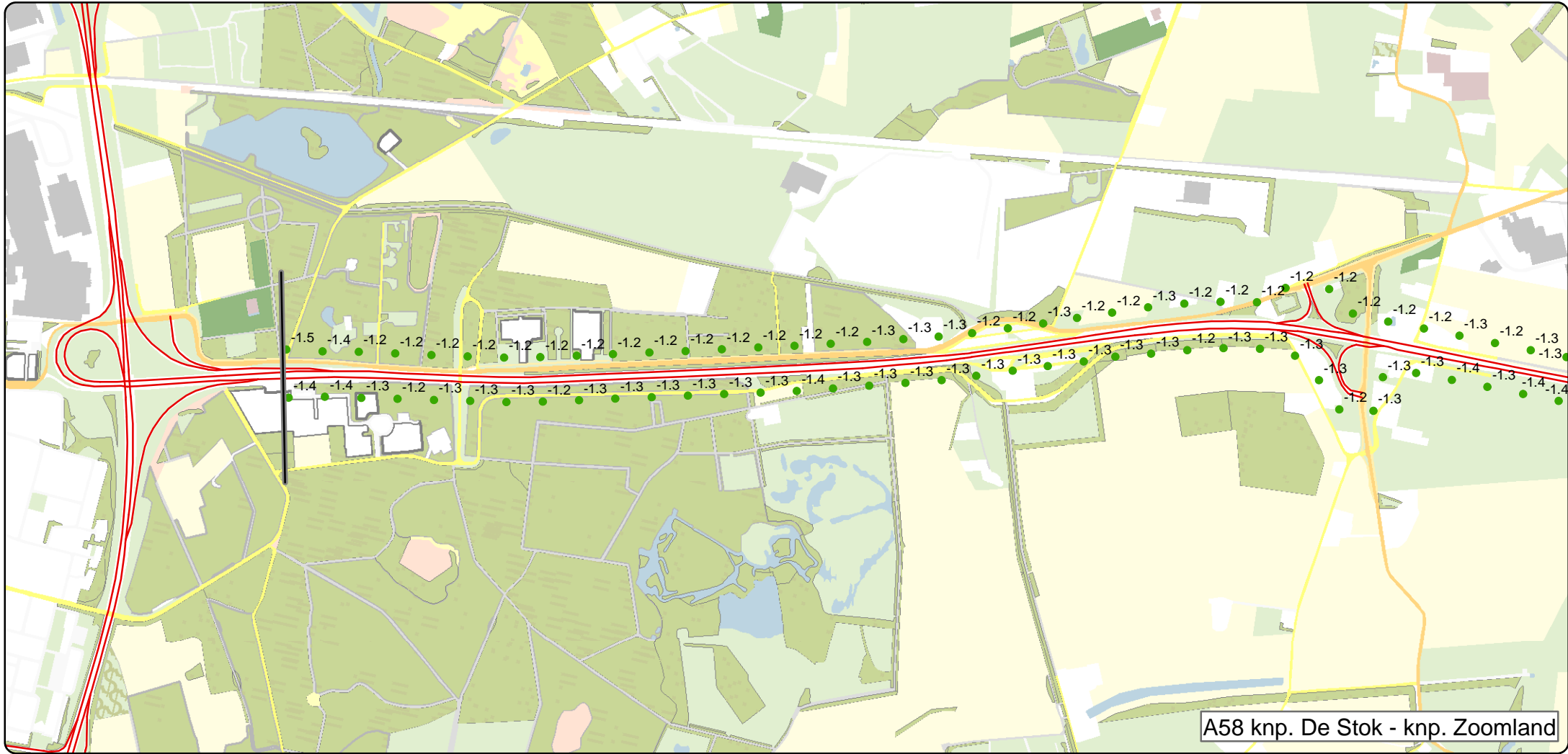


**Legenda
Verschil met GPP**

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GPP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

- Onderzoeksgrens
- Rijkswegen



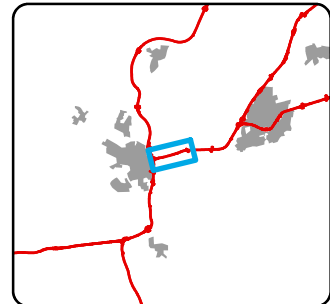
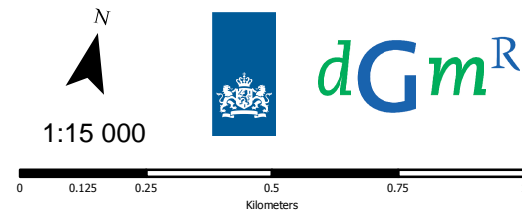


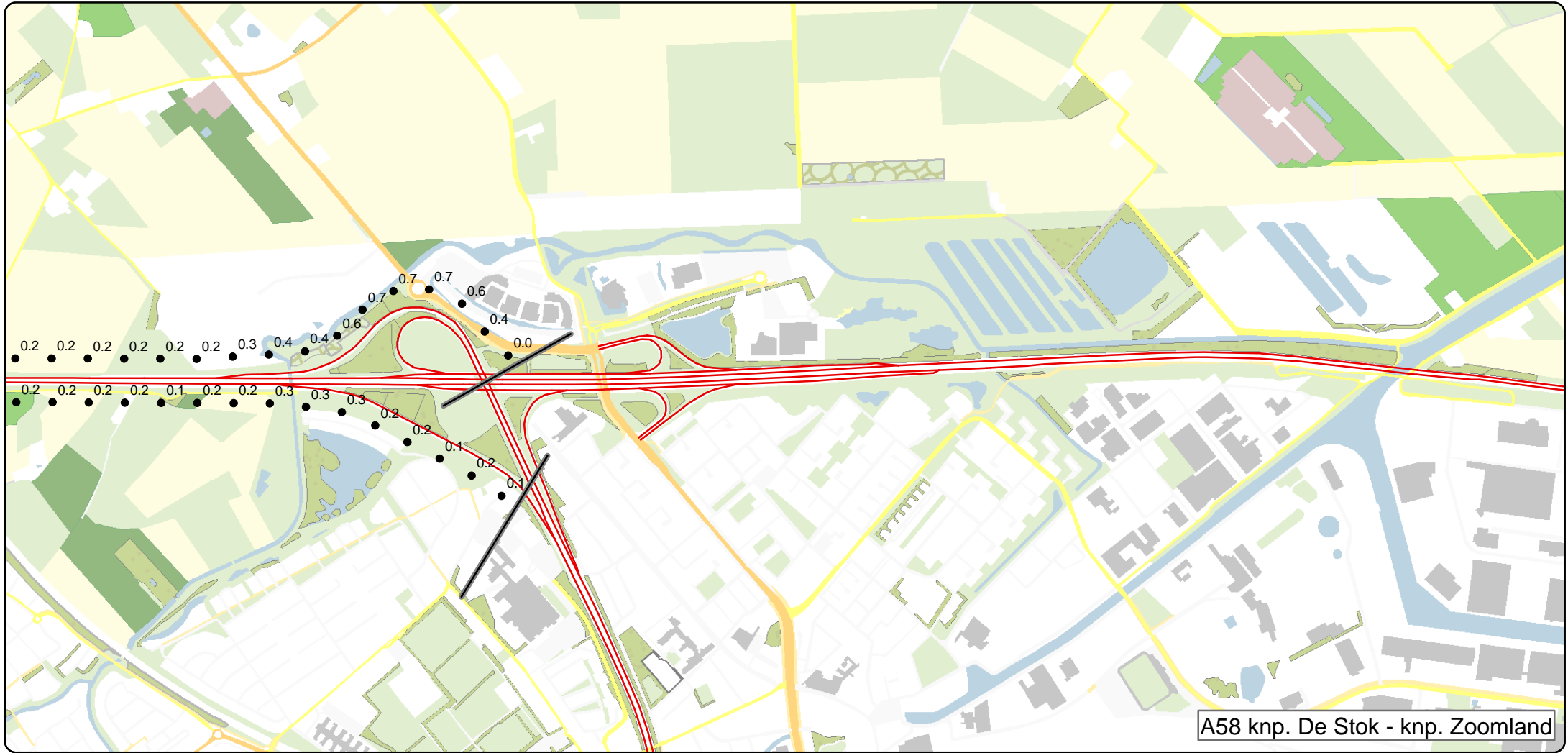
A58 knp. De Stok - knp. Zoomland

**Legenda
Verschil met GPP**

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GGP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

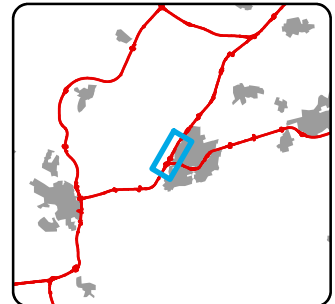
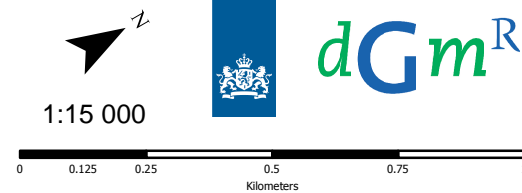
- Onderzoeksgrens
- Rijkswegen

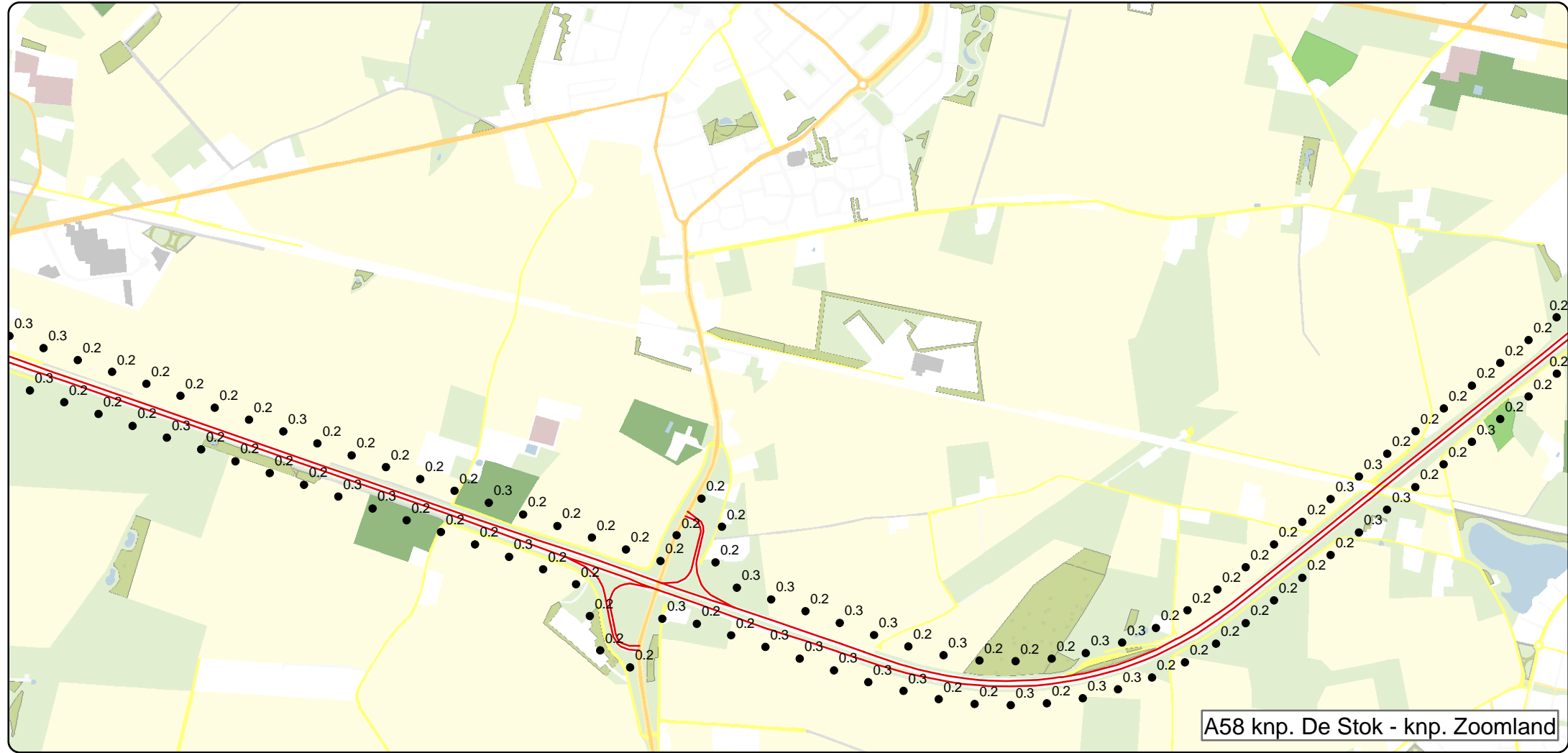




Legenda

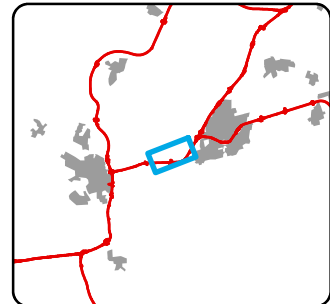
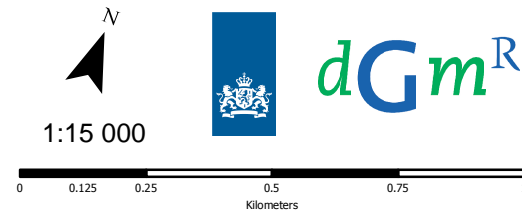
- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen

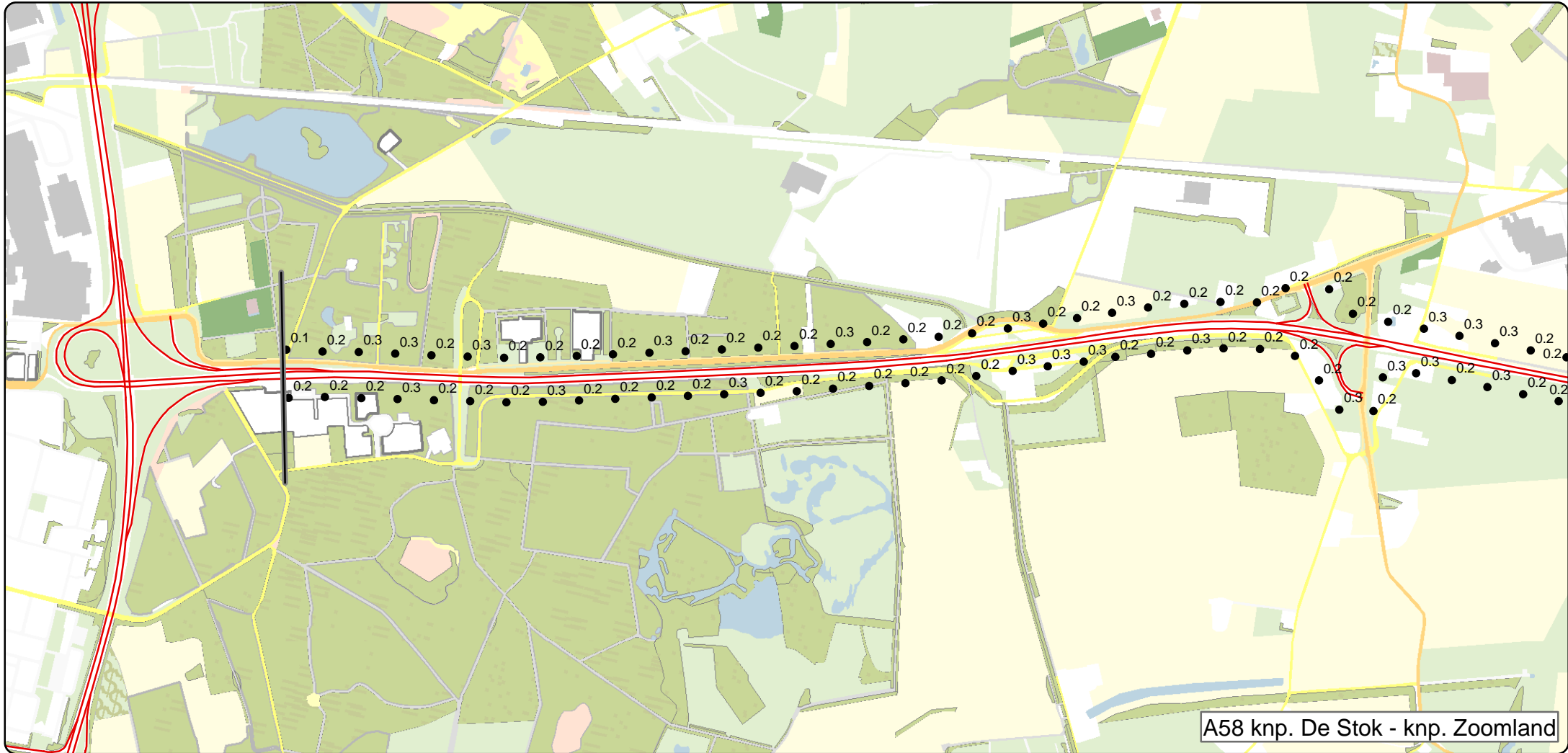




Legenda

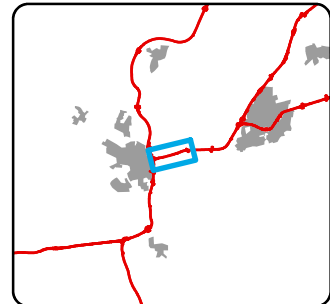
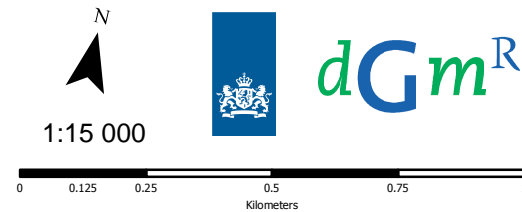
- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen





Legenda

- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen



Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
766	81020.97	390580.64	66.4	65.0	-1.4
767	81117.87	390605.32	67.7	66.3	-1.4
768	81215.91	390625.01	66.7	65.4	-1.3
769	81313.95	390644.71	67.3	66.1	-1.2
770	81412.00	390664.41	67.8	66.5	-1.3
771	81510.04	390684.11	68.3	67.0	-1.3
772	81608.08	390703.81	68.3	67.0	-1.3
773	81705.30	390726.96	68.4	67.2	-1.2
774	81801.70	390753.55	68.6	67.3	-1.3
775	81898.10	390780.13	68.3	67.0	-1.3
776	81994.51	390806.72	68.3	67.0	-1.3
777	82090.91	390833.30	68.3	67.0	-1.3
778	82187.31	390859.89	68.2	66.9	-1.3
779	82283.72	390886.47	68.0	66.7	-1.3
780	82380.12	390913.06	68.1	66.7	-1.4
781	82475.76	390942.23	68.2	66.9	-1.3
782	82571.16	390972.21	68.7	67.4	-1.3
783	82666.56	391002.19	68.7	67.4	-1.3
784	82761.97	391032.16	68.5	67.2	-1.3
785	82852.35	391065.01	68.3	67.0	-1.3
786	82946.86	391101.30	68.8	67.5	-1.3
787	83037.81	391134.98	68.5	67.2	-1.3
788	83131.28	391169.91	68.6	67.3	-1.3
789	83213.32	391202.62	69.0	67.7	-1.3
790	83307.63	391232.86	68.6	67.3	-1.3
791	83402.48	391264.53	68.9	67.7	-1.2
792	83498.45	391292.14	69.1	67.8	-1.3
793	83596.26	391312.93	69.0	67.7	-1.3
794	83694.92	391316.39	67.2	65.9	-1.3
795	83774.12	391265.80	63.2	61.9	-1.3
796	83846.87	391199.79	60.3	59.1	-1.2
797	83939.05	391216.99	60.5	59.2	-1.3
798	83943.60	391312.99	64.9	63.6	-1.3
799	84030.48	391344.74	68.3	67.0	-1.3
800	84130.42	391348.19	68.6	67.2	-1.4
801	84230.37	391351.65	69.4	68.1	-1.3
802	84330.31	391355.10	69.9	68.5	-1.4
803	84430.25	391358.56	69.8	68.4	-1.4
804	84530.19	391362.01	69.2	67.8	-1.4
805	84630.13	391365.47	69.1	67.8	-1.3
806	84730.07	391368.92	69.3	67.9	-1.4
807	84830.01	391372.38	69.4	68.0	-1.4
808	84929.96	391375.83	69.3	67.9	-1.4
809	85029.90	391379.29	69.3	67.9	-1.4
810	85129.84	391382.75	69.1	67.7	-1.4
811	85229.78	391386.20	68.8	67.5	-1.3

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
812	85329.72	391389.66	68.8	67.4	-1.4
813	85429.66	391393.11	68.6	67.2	-1.4
814	85529.65	391395.07	69.3	67.9	-1.4
815	85629.63	391396.83	69.3	68.0	-1.3
816	85729.62	391398.59	69.2	67.9	-1.3
817	85828.92	391392.09	67.7	66.7	-1.0
818	85896.33	391324.14	63.1	62.1	-1.0
819	85956.63	391245.32	60.3	59.3	-1.0
820	86050.75	391231.15	59.6	58.6	-1.0
822	86085.78	391388.79	65.6	64.7	-0.9
823	86179.48	391410.03	68.6	67.7	-0.9
824	86279.41	391413.85	68.9	68.0	-0.9
825	86379.34	391417.67	69.0	68.2	-0.8
826	86479.27	391421.50	68.9	68.1	-0.8
827	86579.20	391425.32	69.4	68.6	-0.8
828	86679.12	391429.15	69.3	68.5	-0.8
829	86778.35	391441.00	69.8	69.0	-0.8
830	86877.44	391454.50	69.7	68.8	-0.9
831	86974.57	391477.75	69.9	69.0	-0.9
832	87068.86	391510.56	69.9	69.1	-0.8
833	87160.29	391550.68	69.7	68.8	-0.9
834	87247.71	391599.24	69.0	68.2	-0.8
835	87329.26	391657.12	69.2	68.3	-0.9
836	87405.62	391721.49	69.2	68.3	-0.9
837	87475.42	391792.96	69.2	68.3	-0.9
838	87536.93	391871.69	69.8	68.9	-0.9
839	87592.87	391954.58	69.8	68.9	-0.9
840	87643.33	392040.92	70.2	69.3	-0.9
841	87693.74	392127.28	70.6	69.7	-0.9
842	87744.15	392213.65	70.7	69.8	-0.9
843	87794.56	392300.02	70.8	69.9	-0.9
844	87844.97	392386.38	71.1	70.2	-0.9
845	87895.38	392472.75	70.3	69.4	-0.9
846	87945.79	392559.11	70.6	69.7	-0.9
847	87996.20	392645.48	70.7	69.8	-0.9
848	88046.61	392731.85	70.2	69.3	-0.9
849	88097.02	392818.21	69.3	68.4	-0.9
850	88147.43	392904.58	68.8	67.9	-0.9
851	88197.84	392990.95	68.9	68.0	-0.9
852	88248.25	393077.31	68.7	67.8	-0.9
853	88298.66	393163.68	68.7	67.8	-0.9
854	88349.07	393250.04	68.5	67.5	-1.0
855	88399.48	393336.41	68.3	67.2	-1.1
856	88457.28	393417.96	68.9	67.5	-1.4
857	88519.48	393496.24	68.0	66.7	-1.3
858	88597.55	393558.03	67.2	65.9	-1.3

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
859	88681.65	393612.15	65.6	64.3	-1.3
860	88765.74	393666.26	50.4	49.2	-1.2
861	88850.86	393718.67	62.8	61.2	-1.6
1295	115326	395138.45	66.4	65.2	-1.2
1296	115409	395194.53	66.4	65.2	-1.2
1297	115492	395250.6	64.9	63.6	-1.3
1298	115575	395306.68	64.5	63.3	-1.2
1299	115657	395362.75	64.9	63.6	-1.3
1300	115740	395418.83	65.3	64	-1.3
1301	115825	395472.52	64.5	63.2	-1.3
1302	115909	395526.09	63.4	62.1	-1.3
1303	115994	395579.65	63.6	62.2	-1.4
1304	116078	395633.21	63.6	62.2	-1.4
1305	116162	395686.78	63.7	62.2	-1.5
1306	116247	395740.34	67.5	66.1	-1.4
1307	116331	395793.9	71.1	69.7	-1.4
1308	116420	395831.18	70.8	69.5	-1.3
1309	116517	395806.98	67.9	66.6	-1.3
9573	116734	400992.58	69.8	68.4	-1.4
9574	116794	401072.72	69.8	68.5	-1.3
9575	116855	401152.26	69.2	67.9	-1.3
9576	116915	401231.95	70	68.7	-1.3
9577	116976	401311.64	70.9	69.6	-1.3
9578	117039	401389.07	70.7	69.4	-1.3
9579	117104	401464.88	69.9	68.6	-1.3
9580	117173	401537.89	69.2	67.8	-1.4
9581	117243	401608.88	68.8	67.5	-1.3
9582	117316	401677.26	68.9	67.6	-1.3
9583	117390	401744.33	68.6	67.3	-1.3
9584	117466	401809.54	68.4	67.1	-1.3
9585	117541	401875.78	68.6	67.3	-1.3
9586	117616	401941.73	68.7	67.4	-1.3
9587	117691	402008.24	68.8	67.5	-1.3
9588	117765	402075.86	68.6	67.3	-1.3
9589	117838	402144.23	68.2	66.9	-1.3
9590	117908	402215.85	68.3	67	-1.3
9591	117976	402289.33	68.2	66.9	-1.3
9592	118040	402365.7	68.9	67.6	-1.3
9593	118104	402442.67	68.5	67.2	-1.3
9594	118164	402523.05	68.8	67.5	-1.3
9595	118216	402603.16	68.9	67.6	-1.3
9596	118270	402682.51	69	67.6	-1.4
9597	118323	402764.33	68.9	67.6	-1.3
9598	118372	402843.57	68.9	67.6	-1.3
9599	118423	402924.97	68.8	67.5	-1.3
9600	118475	403010.54	68.9	67.6	-1.3

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
9601	118527	403095.61	68.4	67.1	-1.3
9602	118581	403180.14	67.7	66.3	-1.4
9603	118633	403265.38	67.8	66.5	-1.3
9604	118685	403350.63	67.8	66.5	-1.3
9605	118738	403435.86	67.8	66.5	-1.3
9606	118790	403521.1	68.7	67.4	-1.3
9607	118842	403606.34	68.7	67.4	-1.3
9608	118895	403691.59	68.4	67.1	-1.3
9609	118947	403776.82	66.8	65.5	-1.3
9610	119000	403861.48	68.8	67.4	-1.4
9611	119055	403945.34	69.7	68.3	-1.4
9612	119114	404026.03	69.7	68.3	-1.4
9613	119177	404103.25	69.6	68.2	-1.4
9614	119247	404174.37	68.4	67	-1.4
9615	119312	404250.49	68	66.5	-1.5
9616	119364	404335.43	68.4	66.9	-1.5
10701	115967	399852.99	57.1	55.6	-1.5
10702	115945	399755.32	56	54.5	-1.5
10703	115916	399660.23	69.1	67.6	-1.5
10704	115893	399562.86	67.2	65.7	-1.5
10705	115876	399464.41	62.7	61.2	-1.5
10707	115707	399423.59	61.6	60.2	-1.4
10708	115712	399324.19	62.7	61.3	-1.4
10709	115760	399238.52	63.8	62.4	-1.4
10743	115864	395983.67	67.6	66.5	-1.1
10744	115882	395885.81	66.4	65.4	-1.0
10745	115875	395786.46	61.6	60.5	-1.1
10746	115840	395692.94	59.1	57.8	-1.3
10747	115780	395613.41	60.3	59	-1.3
10748	115701	395552.28	61.7	60.3	-1.4
10749	115621	395492.05	61	59.6	-1.4
10750	115538	395436.48	61.4	60	-1.4
10751	115455	395380.89	61.6	60.2	-1.4
10752	115372	395325.29	61.8	60.4	-1.4
10753	115288	395269.69	61.7	60.3	-1.4
10754	115205	395214.09	60.4	59.1	-1.3
10755	115123	395157.37	60.8	59.5	-1.3
11838	88236.72	393312.02	68.2	67.0	-1.2
11839	88192.22	393222.61	68.8	67.8	-1.0
11840	88141.60	393136.31	69.0	68.0	-1.0
11841	88091.43	393049.73	68.8	67.8	-1.0
11842	88041.26	392963.16	69.0	68.0	-1.0
11843	87991.09	392876.59	69.6	68.6	-1.0
11844	87940.92	392790.01	70.4	69.4	-1.0
11845	87890.75	392703.44	70.8	69.8	-1.0
11846	87840.56	392616.88	70.6	69.6	-1.0

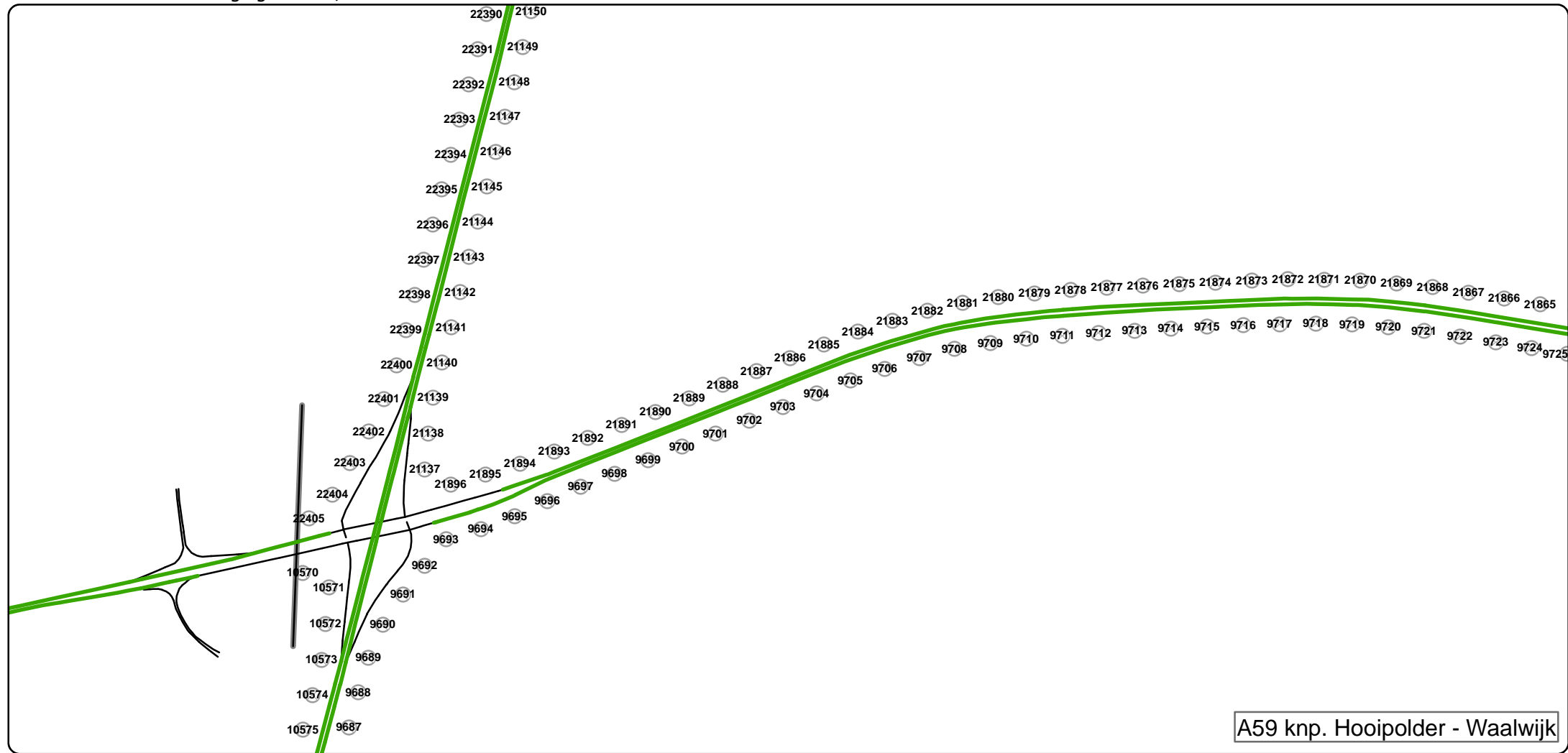
Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
11847	87789.73	392530.69	70.3	69.3	-1.0
11848	87739.38	392444.22	70.9	70.0	-0.9
11849	87689.14	392357.69	70.6	69.7	-0.9

Bijlage 17

Titel	Traject A59 knp. Hooipolder - Waalwijk
Omvang	23 pagina's
Bron	Silence / GIS
Toelichting	Uitgangspunten en resultaten van de toetsing op referentiepunten



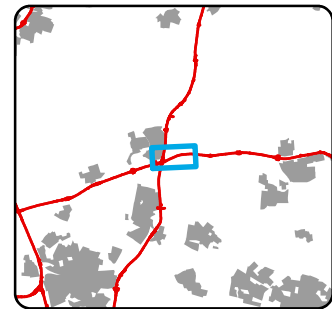
Legenda

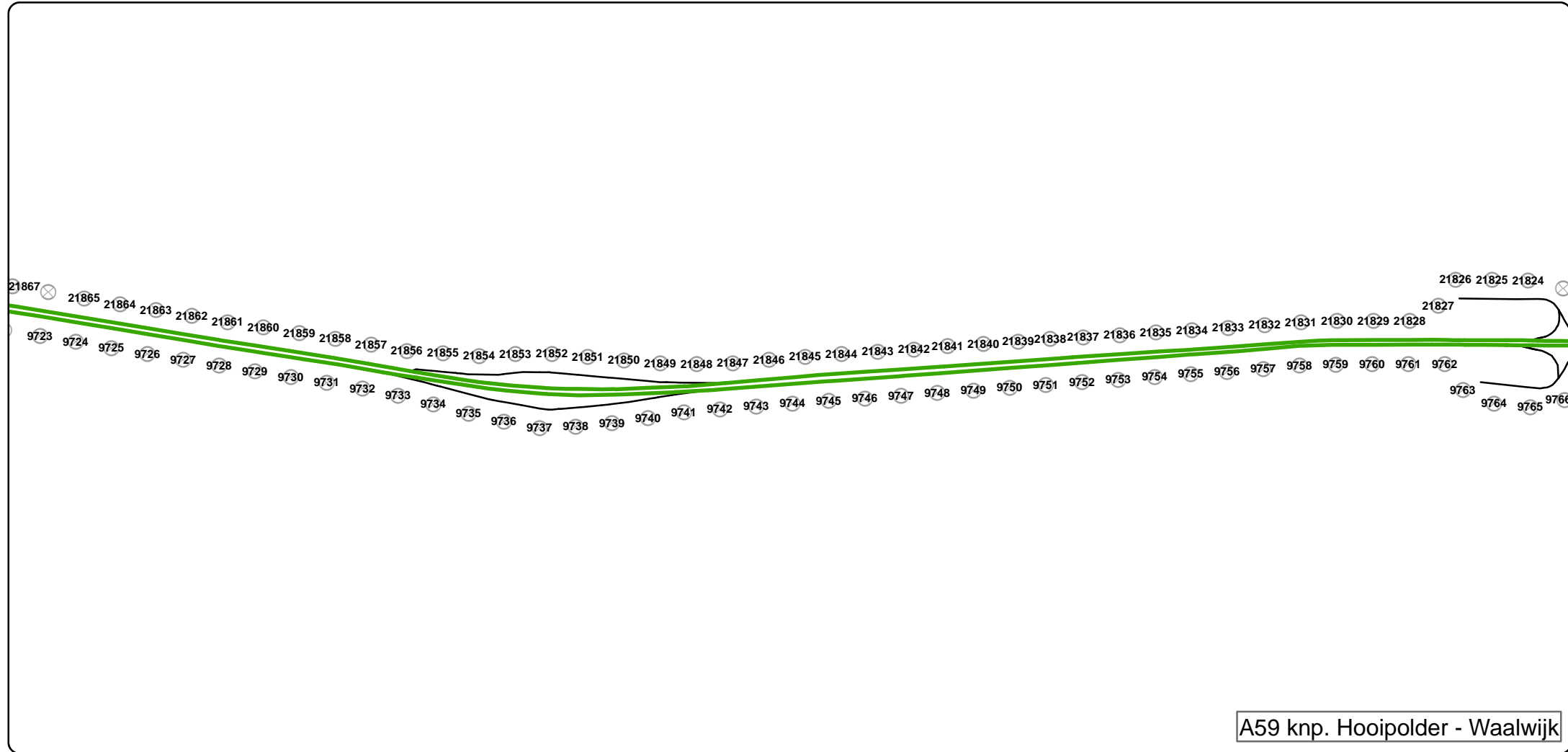
Snelheidsbeeld na snelheidsverhoging

- Onderzoeksgrens
- ⊗ Referentiepunt

<100 km/h
 100 km/h
 120 km/h
 130 km/h

N
 1:15 000
 0 0.125 0.25 0.5 0.75 1
 Kilometers





Legenda

Snelheidsbeeld na snelheidsverhoging

— Onderzoeksgrens

⊗ Referentiepunt

<100 km/h

100 km/h

120 km/h

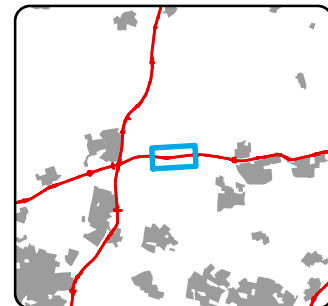
130 km/h

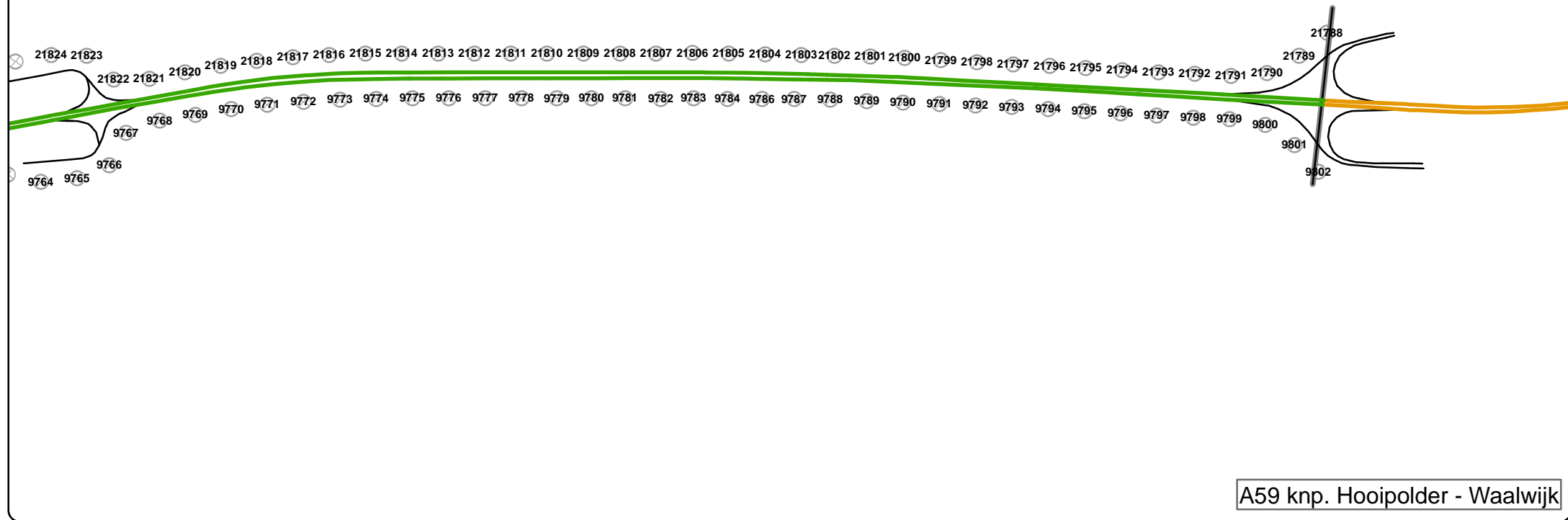
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Kilometers

1:15 000

N

dGm^R





A59 knp. Hooipolder - Waalwijk

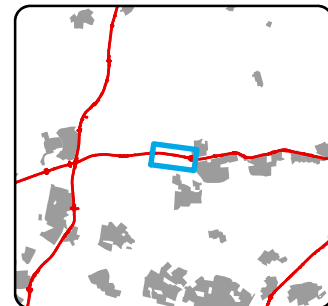
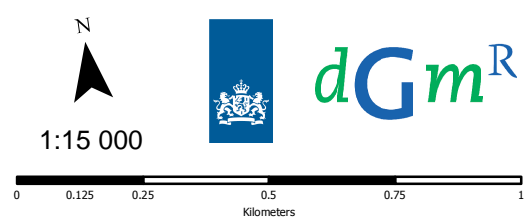
Legenda

Snelheidsbeeld na snelheidsverhoging

— Onderzoeksgrens

⊗ Referentiepunt

<100 km/h
 100 km/h
 120 km/h
 130 km/h



Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

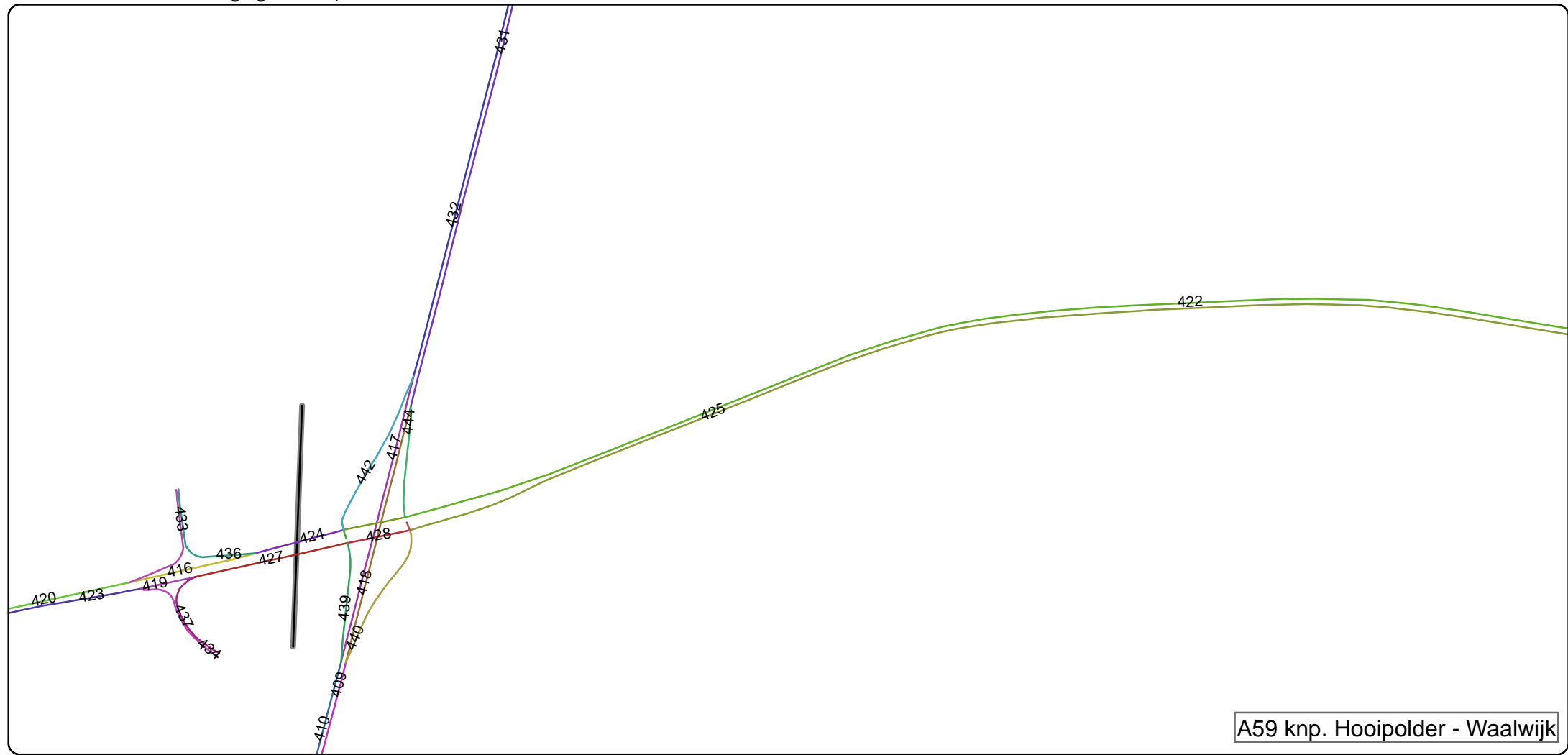
Uurintensiteiten

ID	peiljaar 2016								
	Dag			Avond			Nacht		
	Lichte mvt.	middelzware	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.
871	1 439.0	99.0	116.0	725.0	21.0	27.0	285.0	34.0	44.0
872	1 576.0	109.0	127.0	685.0	24.0	36.0	246.0	18.0	33.0
873	1 590.0	105.0	122.0	808.0	22.0	29.0	310.0	35.0	45.0
874	1 666.0	113.0	130.0	721.0	25.0	37.0	259.0	19.0	33.0
875	1 741.0	115.0	133.0	756.0	25.0	38.0	272.0	19.0	35.0
876	21.1	0.8	1.0	10.3	0.3	0.5	3.8	0.1	0.3
877	48.2	1.7	2.2	25.0	0.7	1.3	12.1	0.5	0.8
878	54.6	2.3	2.4	30.0	0.9	1.3	12.3	0.5	0.7
879	56.0	2.1	2.3	29.8	0.9	1.3	13.0	0.5	0.7
880	56.9	1.8	2.2	27.8	0.6	1.1	10.3	0.3	0.6
881	62.7	2.8	3.1	37.3	1.1	1.7	13.7	0.4	0.7
882	65.4	2.6	2.6	35.6	1.0	1.4	12.6	0.4	0.6
883	1 460.0	116.0	122.0	629.0	25.0	34.0	238.0	22.0	35.0
884	1 468.0	109.0	115.0	678.0	26.0	31.0	270.0	33.0	38.0
885	15.6	0.4	0.5	8.1	0.2	0.3	4.1	0.1	0.2
886	1 524.0	103.0	119.0	772.0	22.0	28.0	297.0	35.0	45.0
887	1 608.0	109.0	125.0	817.0	23.0	30.0	310.0	36.0	46.0
888	1 764.0	118.0	136.0	763.0	26.0	39.0	275.0	20.0	35.0
889	40.4	1.7	1.8	21.7	0.7	1.0	9.0	0.3	0.5
890	49.9	2.0	2.1	26.9	0.8	1.2	10.0	0.3	0.5
891	692.5	50.7	44.6	362.6	13.0	15.1	121.4	8.2	11.4
892	875.0	69.0	81.0	402.0	17.0	20.0	171.0	25.0	29.0
893	894.1	38.1	46.3	465.3	15.4	25.8	245.3	10.9	16.4
894	931.0	82.0	93.0	384.0	18.0	24.0	147.0	14.0	23.0
409	2 062.0	98.0	189.0	1 093.0	36.0	93.0	385.0	25.0	74.0
410	2 083.0	89.0	178.0	1 174.0	29.0	95.0	368.0	27.0	87.0
416	1 315.0	114.0	142.0	668.0	27.0	32.0	268.0	37.0	48.0
417	1 336.0	53.0	133.0	759.0	20.0	80.0	230.0	17.0	69.0
418	1 340.0	62.0	144.0	740.0	26.0	78.0	264.0	18.0	63.0
419	1 413.0	117.0	140.0	641.0	26.0	36.0	259.0	23.0	39.0
420	1 532.0	129.0	154.0	749.0	30.0	35.0	309.0	41.0	52.0
421	1 539.0	106.0	124.0	777.0	23.0	28.0	299.0	34.0	42.0
422	1 549.0	100.0	117.0	779.0	21.0	27.0	308.0	34.0	44.0
423	1 578.0	120.0	142.0	721.0	26.0	36.0	286.0	24.0	40.0
424	1 647.0	125.0	153.0	858.0	29.0	35.0	322.0	39.0	51.0
425	1 687.0	111.0	130.0	738.0	24.0	37.0	264.0	18.0	34.0
427	1 735.0	133.0	157.0	829.0	30.0	42.0	320.0	26.0	45.0
428	1 813.0	130.0	154.0	839.0	30.0	43.0	319.0	26.0	46.0
431	2 198.0	110.0	207.0	1 196.0	39.0	98.0	448.0	32.0	88.0
432	2 268.0	105.0	204.0	1 265.0	35.0	104.0	390.0	31.0	97.0
433	229.7	8.4	9.2	134.7	3.6	5.3	77.5	2.3	3.3
434	248.2	5.8	6.6	118.7	2.2	3.3	41.3	0.8	1.1
436	294.0	13.3	15.6	134.3	5.0	8.2	47.3	2.0	3.5
437	313.2	11.5	13.3	146.8	4.4	7.6	57.8	2.2	4.1

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Uurintensiteiten

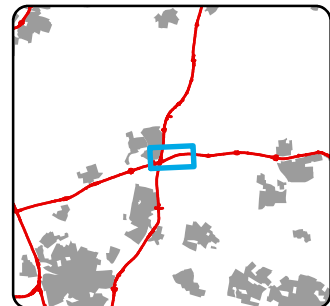
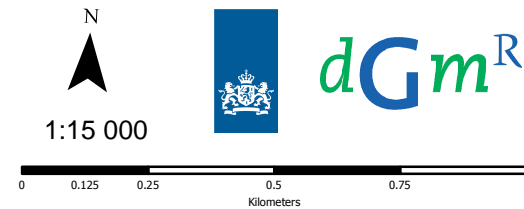
peiljaar 2016									
ID	Dag			Avond			Nacht		
	Lichte mvt.	middelzware	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.
439	730.3	40.8	44.1	360.0	12.5	20.1	153.3	9.6	13.9
440	740.7	60.1	64.6	348.9	16.6	25.0	126.7	9.5	14.2
441	741.4	48.7	53.9	382.6	16.1	23.2	138.3	11.2	17.8
442	761.8	59.1	87.6	422.8	20.8	40.0	121.5	12.4	32.0
443	900.7	64.7	98.4	452.6	22.3	48.4	195.6	18.4	36.1
444	949.2	50.8	88.2	508.4	19.1	44.4	237.6	18.6	38.0
48	-	-	-	-	-	-	-	-	-

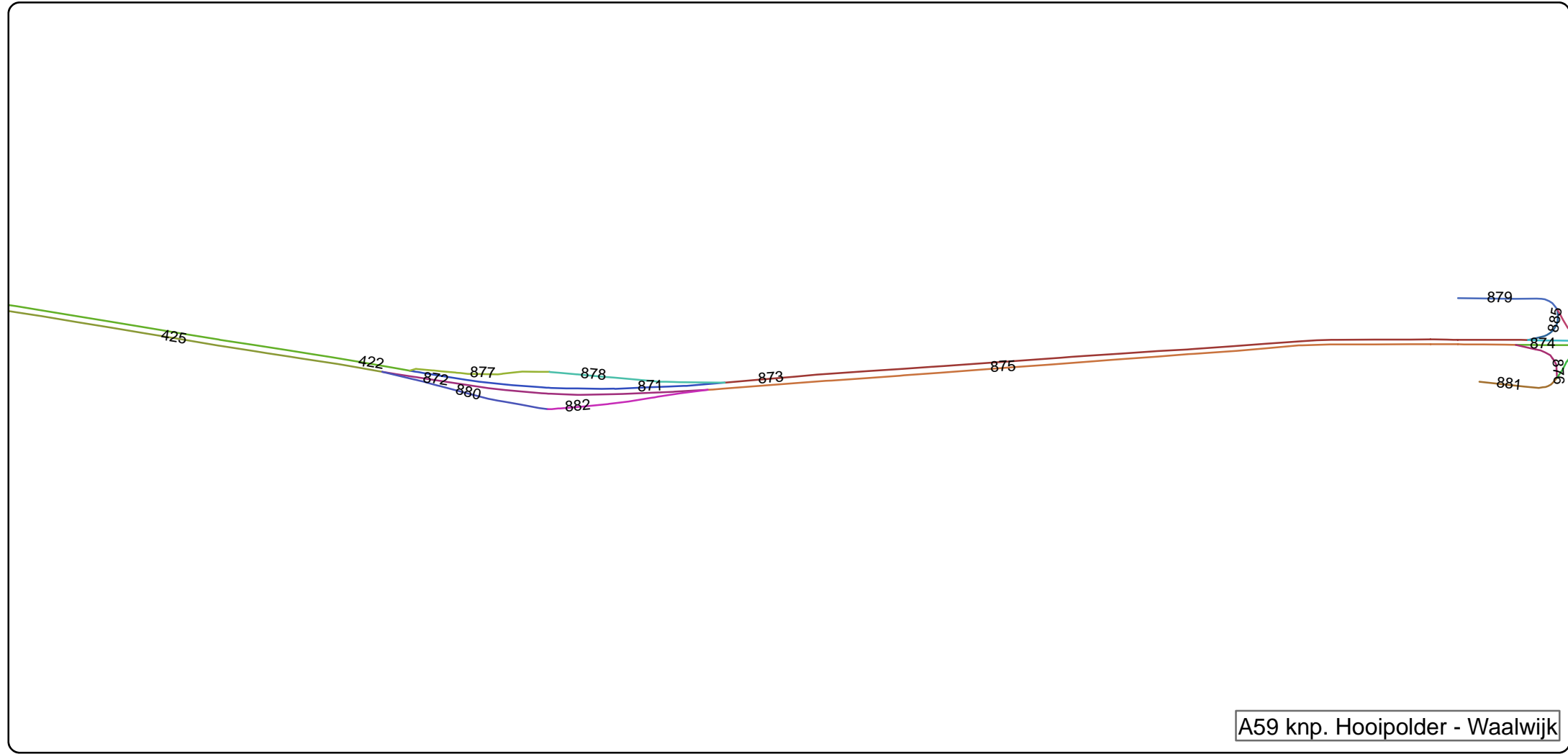


A59 knp. Hooipolder - Waalwijk

Legenda

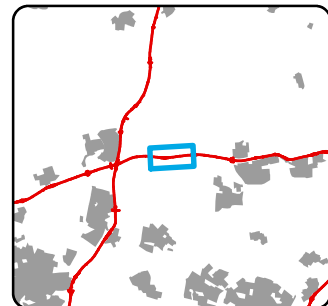
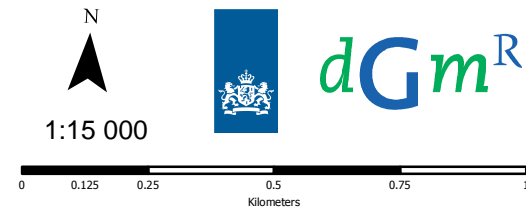
— Onderzoeksgrens

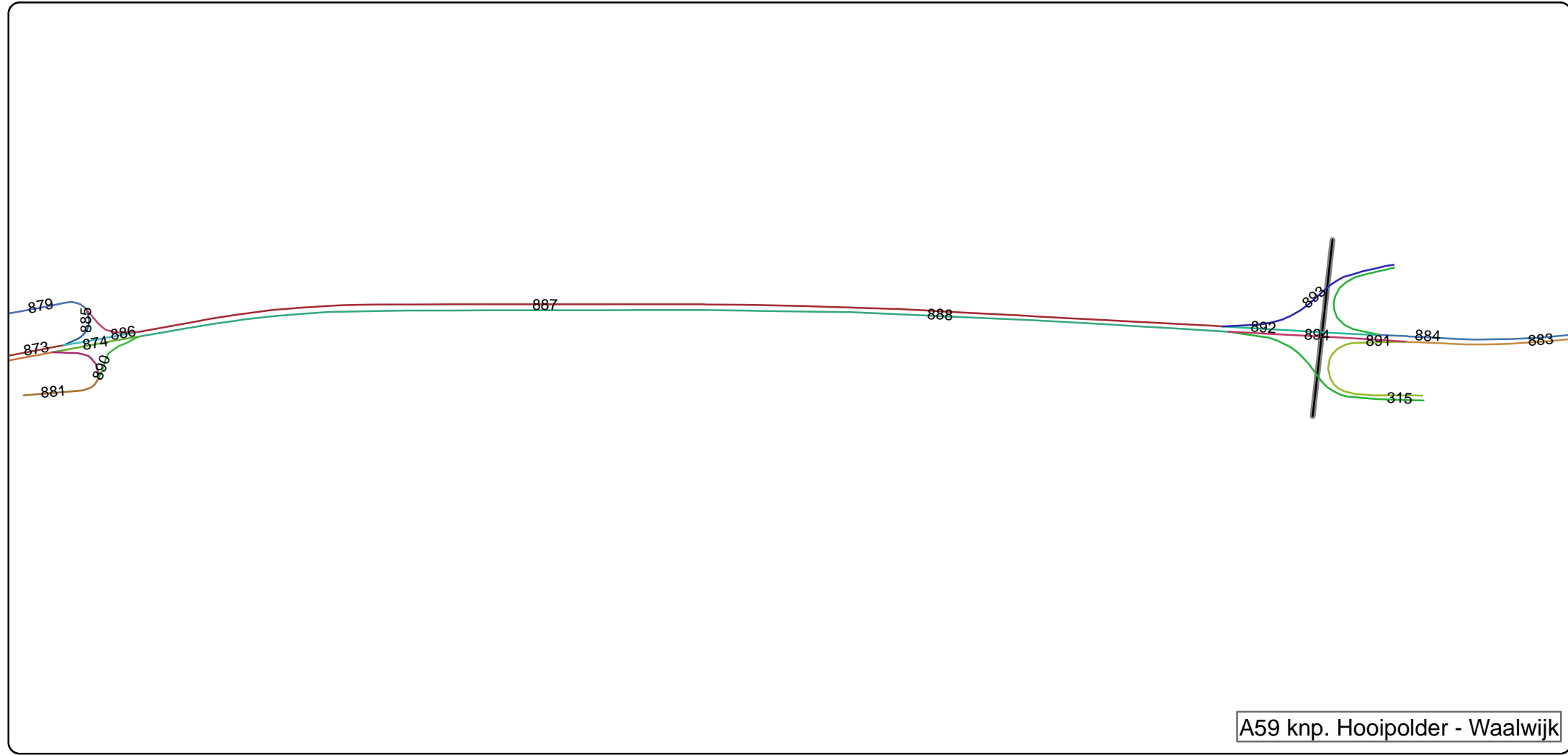




Legenda

— Onderzoeksgrens

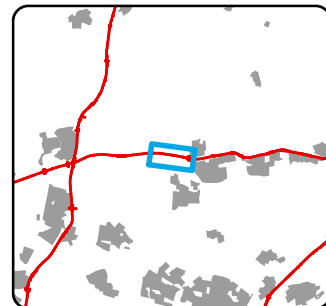
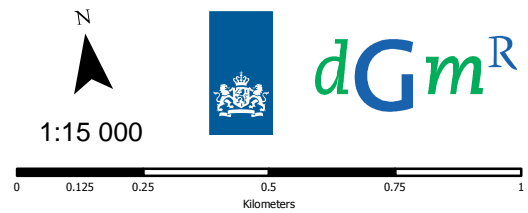


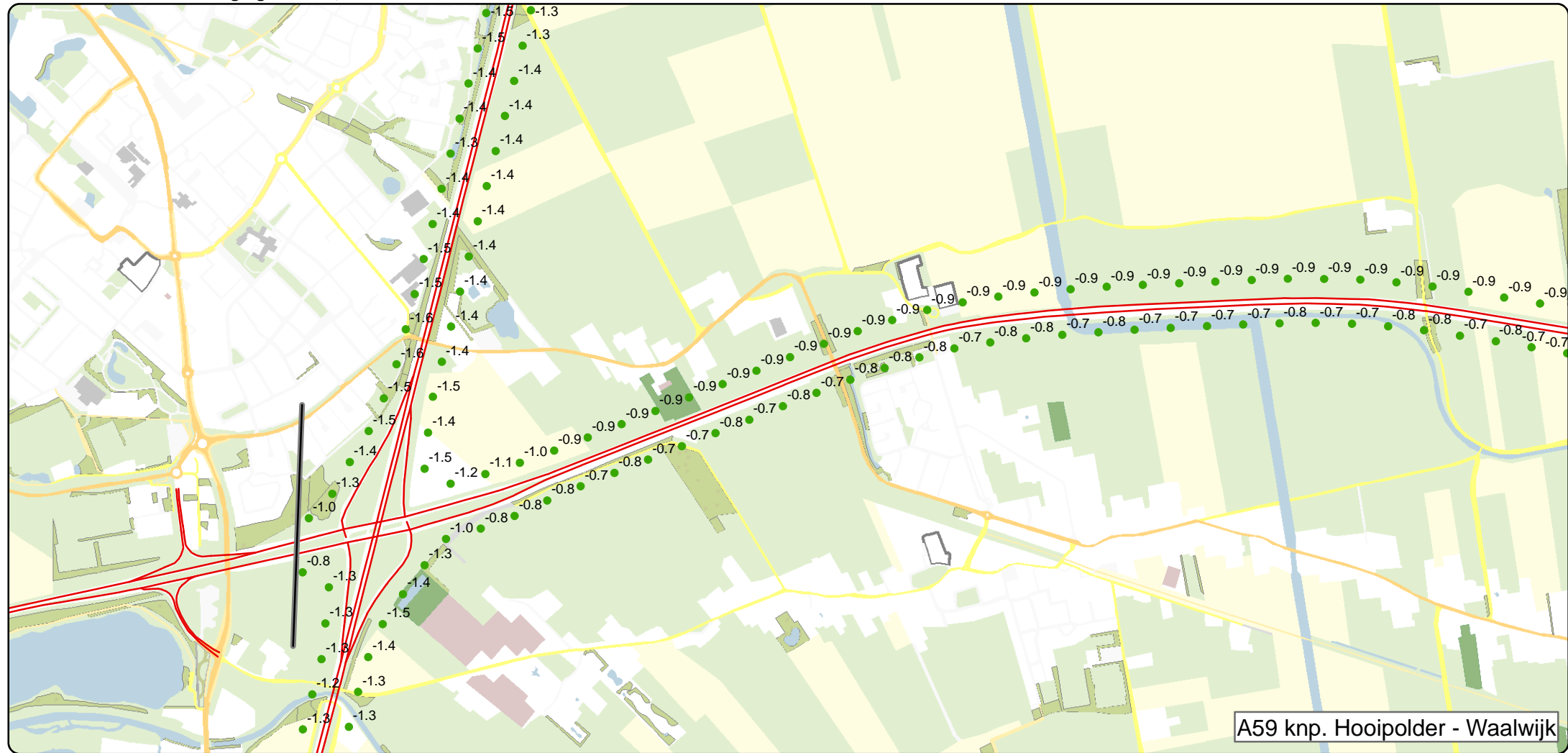


A59 knp. Hooipolder - Waalwijk

Legenda

— Onderzoeksgrens





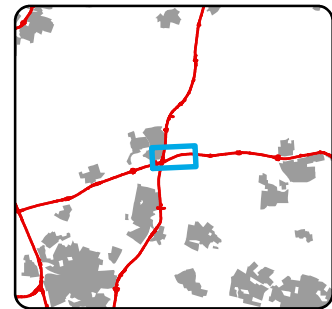
A59 knp. Hooipolder - Waalwijk

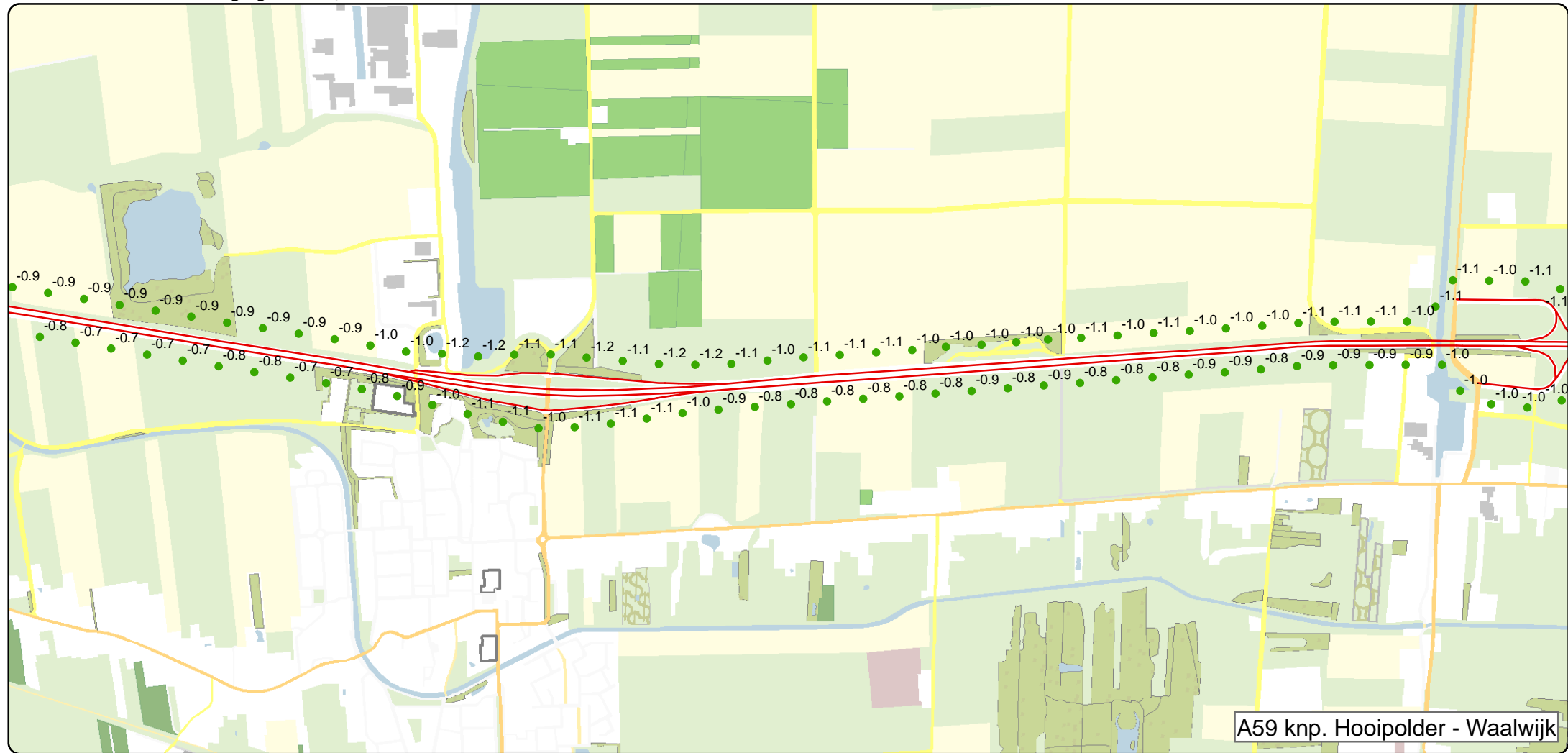
Legenda
Verskil met GPP

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GGP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

— Onderzoeksgrens
— Rijkswegen

N
1:15 000
0 0.125 0.25 0.5 0.75 1
Kilometers

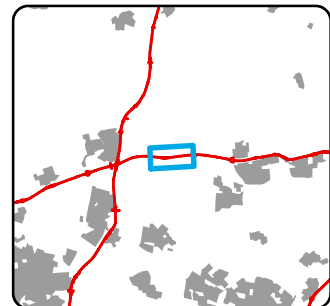
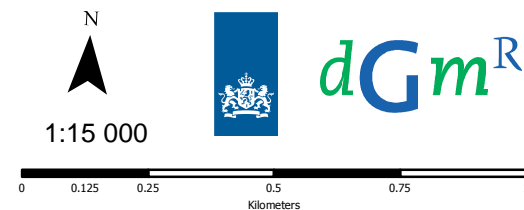




**Legenda
Verschil met GPP**

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GGP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

- Onderzoeksgrens
- Rijkswegen

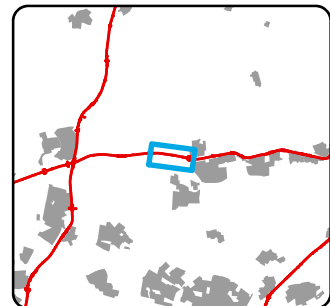
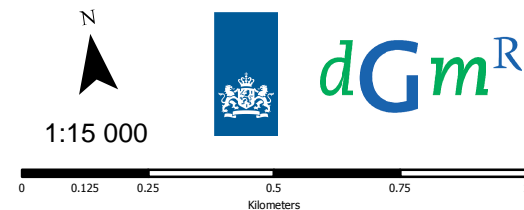


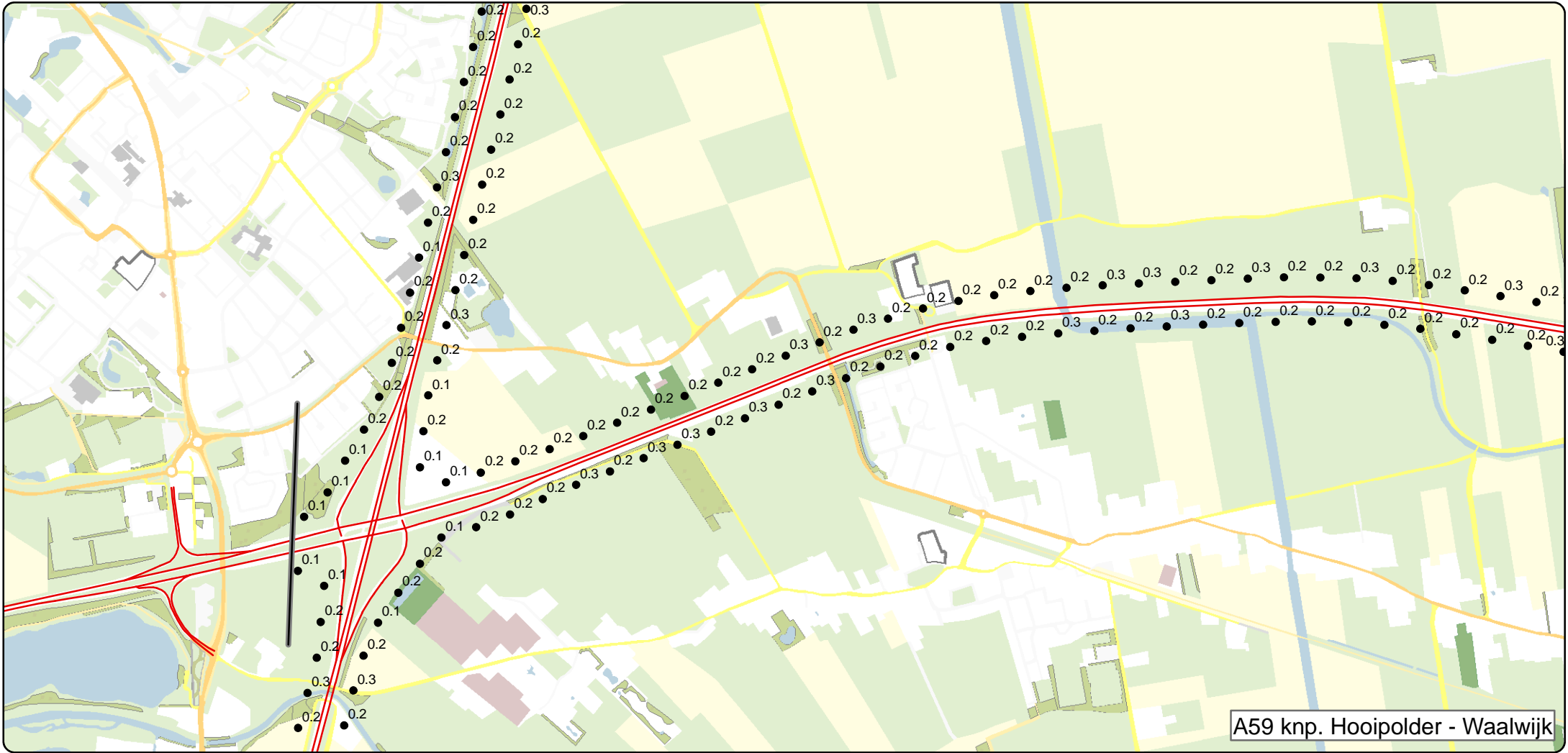


**Legenda
Verschil met GPP**

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GGP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

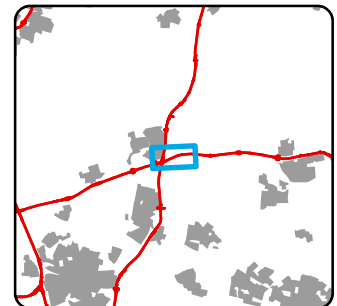
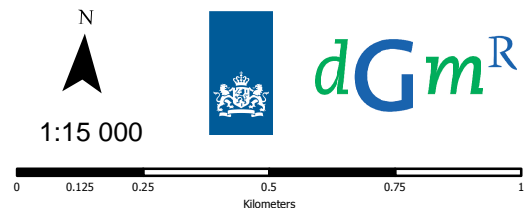
- Onderzoeksgrens
- Rijkswegen

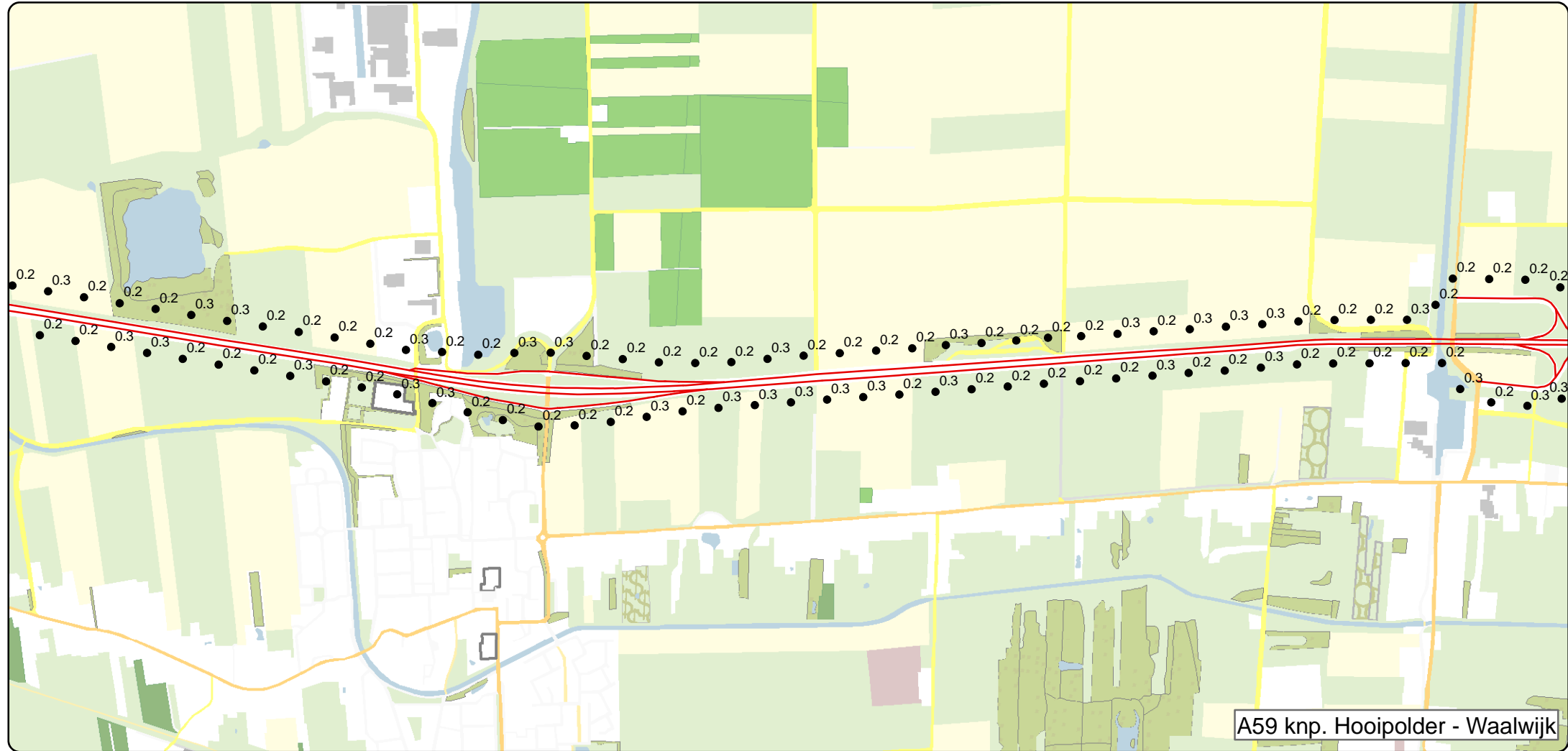




Legenda

- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen

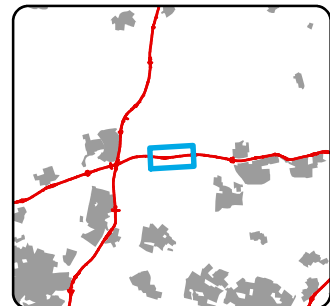
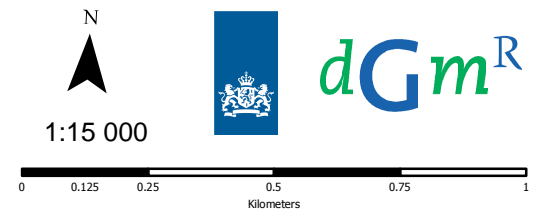


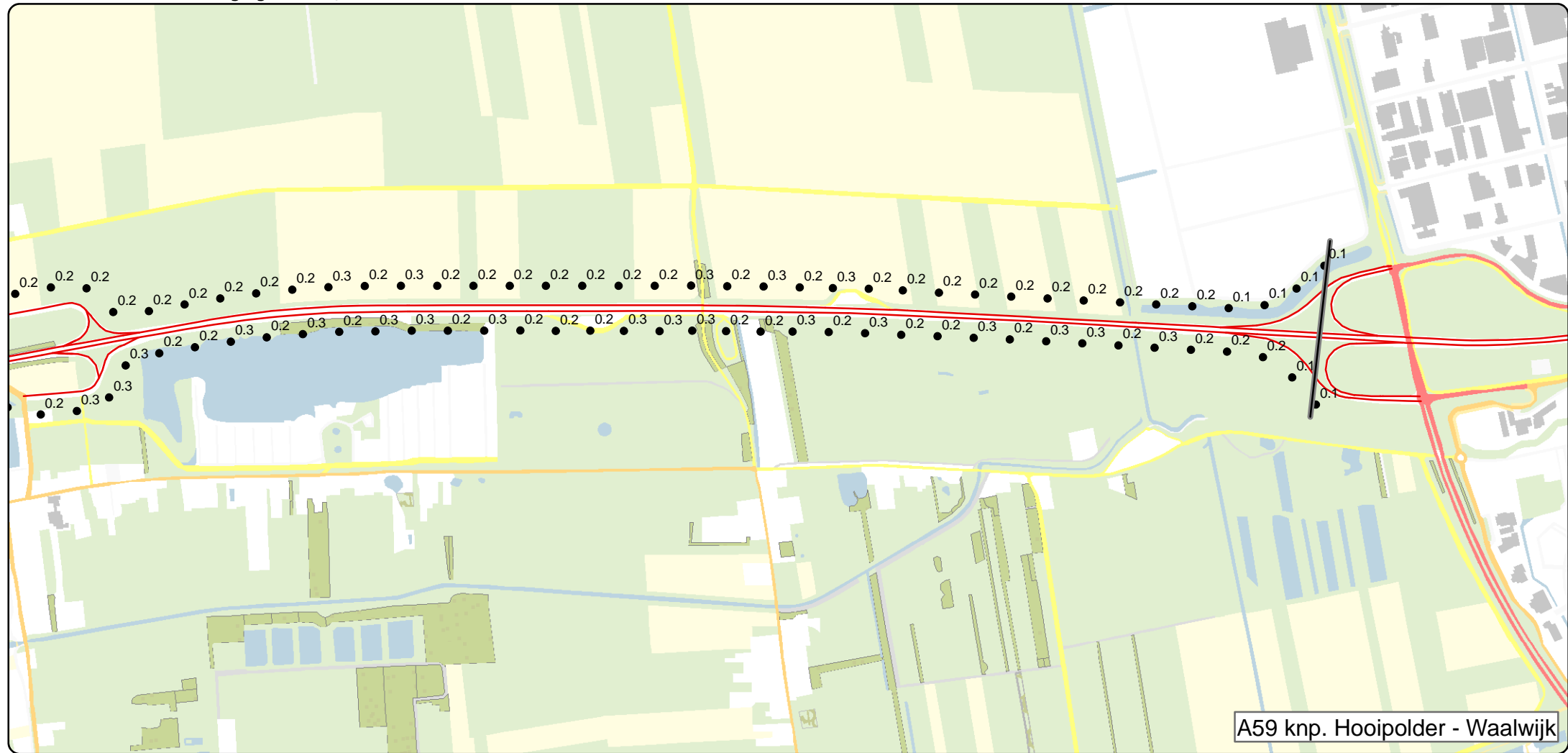


A59 knp. Hoopolder - Waalwijk

Legenda

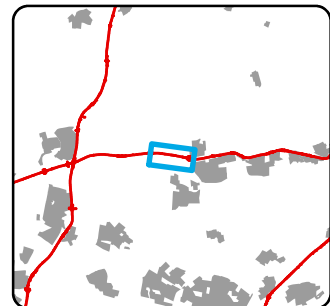
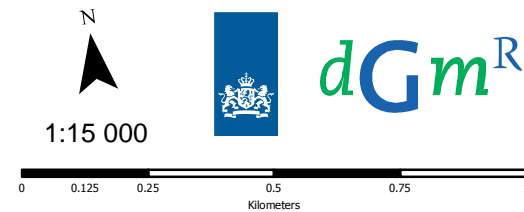
- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen





Legenda

- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen



Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
9692	120329.32	410968.00	67.6	66.3	-1.3
9693	120384.06	411043.04	68.6	67.6	-1.0
9694	120478.31	411076.53	68.0	67.2	-0.8
9695	120570.04	411116.31	68.2	67.4	-0.8
9696	120657.94	411164.01	68.8	68.0	-0.8
9697	120747.91	411207.66	68.9	68.2	-0.7
9698	120838.76	411249.55	68.9	68.1	-0.8
9699	120929.73	411291.15	68.9	68.2	-0.7
9700	121020.79	411332.57	68.8	68.1	-0.7
9701	121111.80	411374.10	68.8	68.0	-0.8
9702	121202.73	411415.79	68.9	68.2	-0.7
9703	121293.46	411457.93	69.0	68.2	-0.8
9704	121384.46	411499.47	69.0	68.3	-0.7
9705	121475.57	411540.77	68.8	68.0	-0.8
9706	121568.48	411577.85	68.9	68.1	-0.8
9707	121662.56	411611.79	68.8	68.0	-0.8
9708	121757.98	411641.68	68.8	68.1	-0.7
9709	121855.59	411663.46	68.8	68.0	-0.8
9710	121954.18	411680.32	68.8	68.0	-0.8
9711	122053.16	411694.66	69.0	68.3	-0.7
9712	122152.41	411707.22	68.6	67.8	-0.8
9713	122251.75	411718.97	68.5	67.8	-0.7
9714	122351.20	411729.79	68.4	67.7	-0.7
9715	122450.75	411739.61	68.3	67.6	-0.7
9716	122550.30	411749.44	68.2	67.5	-0.7
9717	122649.97	411757.94	68.6	67.8	-0.8
9718	122749.78	411764.34	68.5	67.8	-0.7
9719	122849.78	411767.11	68.5	67.8	-0.7
9720	122949.76	411765.32	68.2	67.4	-0.8
9721	123049.62	411759.50	67.7	66.9	-0.8
9722	123149.18	411749.85	68.0	67.3	-0.7
9723	123248.66	411739.32	68.3	67.5	-0.8
9724	123348.07	411728.19	68.2	67.5	-0.7
9725	123447.49	411717.05	68.2	67.5	-0.7
9726	123546.90	411705.92	68.1	67.4	-0.7
9727	123646.31	411694.78	68.2	67.5	-0.7
9728	123745.73	411683.66	68.3	67.5	-0.8
9729	123845.24	411673.38	68.3	67.5	-0.8
9730	123944.76	411663.24	68.4	67.7	-0.7
9731	124044.28	411653.14	68.5	67.8	-0.7
9732	124143.64	411641.59	68.9	68.1	-0.8
9733	124242.66	411627.79	68.9	68.0	-0.9
9734	124340.85	411608.69	67.1	66.1	-1.0
9735	124438.78	411588.26	64.3	63.2	-1.1
9736	124537.42	411572.09	60.7	59.6	-1.1
9737	124636.67	411559.57	59.8	58.8	-1.0

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
9738	124736.09	411567.59	59.4	58.3	-1.1
9739	124834.98	411582.58	61.6	60.5	-1.1
9740	124933.16	411601.70	65.3	64.2	-1.1
9741	125031.06	411622.21	67.4	66.4	-1.0
9742	125129.95	411636.76	67.9	67.0	-0.9
9743	125229.16	411649.56	68.0	67.2	-0.8
9744	125328.37	411662.37	67.9	67.1	-0.8
9745	125427.59	411675.15	67.9	67.1	-0.8
9746	125526.87	411687.37	67.8	67.0	-0.8
9747	125626.16	411699.61	67.6	66.8	-0.8
9748	125725.39	411712.23	67.4	66.6	-0.8
9749	125824.63	411724.89	67.1	66.2	-0.9
9750	125923.86	411737.52	67.1	66.3	-0.8
9751	126023.10	411750.15	67.6	66.7	-0.9
9752	126122.33	411762.80	67.8	67.0	-0.8
9753	126221.56	411775.44	67.9	67.1	-0.8
9754	126320.79	411788.12	68.0	67.2	-0.8
9755	126420.02	411800.83	68.2	67.3	-0.9
9756	126519.32	411812.88	68.3	67.4	-0.9
9757	126618.46	411826.20	68.4	67.6	-0.8
9758	126717.52	411840.18	68.9	68.0	-0.9
9759	126817.21	411848.26	69.1	68.2	-0.9
9760	126917.09	411853.85	69.4	68.5	-0.9
9761	127016.97	411859.45	69.6	68.7	-0.9
9762	127116.86	411864.92	69.5	68.5	-1.0
9763	127170.86	411795.99	64.1	63.1	-1.0
9764	127258.46	411763.47	62.5	61.5	-1.0
9765	127358.40	411759.17	61.8	60.8	-1.0
9766	127451.98	411784.13	62.2	61.2	-1.0
9767	127509.38	411865.16	66.6	65.6	-1.0
9768	127605.93	411885.26	66.6	65.5	-1.1
9769	127705.92	411887.94	64.7	63.7	-1.0
9770	127805.94	411889.50	64.2	63.2	-1.0
9771	127905.95	411887.78	65.5	64.5	-1.0
9772	128005.83	411882.59	64.7	63.7	-1.0
9773	128105.51	411874.53	64.6	63.5	-1.1
9774	128204.78	411862.19	64.4	63.5	-0.9
9775	128304.05	411849.81	67.5	66.6	-0.9
9776	128403.15	411836.14	67.3	66.4	-0.9
9777	128502.24	411822.45	67.9	67.1	-0.8
9778	128601.37	411809.01	68.1	67.2	-0.9
9779	128698.02	411793.80	67.8	66.9	-0.9
9780	128792.67	411781.19	67.4	66.5	-0.9
9781	128884.28	411768.21	67.6	66.8	-0.8
9782	128981.31	411753.82	67.6	66.7	-0.9
9783	129071.22	411742.54	66.7	65.8	-0.9

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
9784	129163.23	411728.17	66.9	66.0	-0.9
9786	129257.52	411713.30	67.1	66.2	-0.9
9787	129344.81	411701.43	68.0	67.1	-0.9
9788	129443.67	411686.12	68.1	67.2	-0.9
9789	129542.26	411669.23	68.3	67.4	-0.9
9790	129640.62	411651.05	68.4	67.4	-1.0
9791	129738.99	411632.86	68.4	67.5	-0.9
9792	129837.36	411614.66	68.5	67.6	-0.9
9793	129935.72	411596.47	68.4	67.4	-1.0
9794	130033.97	411577.62	68.5	67.6	-0.9
9795	130132.04	411557.93	68.5	67.6	-0.9
9796	130230.12	411538.23	68.3	67.4	-0.9
9797	130328.19	411518.47	68.3	67.4	-0.9
9798	130426.24	411498.68	68.2	67.3	-0.9
9799	130524.40	411479.39	67.7	66.5	-1.2
9800	130620.24	411450.92	66.9	65.1	-1.8
9801	130692.76	411384.51	65.4	61.9	-3.5
9802	130746.62	411300.80	64.3	60.4	-3.9
21137	120315.50	411233.75	70.8	69.3	-1.5
21788	130823.47	411677.57	64.9	63.0	-1.9
21789	130738.41	411625.17	66.0	64.5	-1.5
21790	130645.06	411592.54	67.0	65.9	-1.1
21791	130545.27	411597.83	68.1	67.0	-1.1
21792	130447.07	411617.00	68.4	67.3	-1.1
21793	130348.85	411636.15	68.5	67.4	-1.1
21794	130250.63	411655.32	68.4	67.3	-1.1
21795	130152.43	411674.59	68.6	67.5	-1.1
21796	130054.23	411693.86	68.6	67.5	-1.1
21797	129956.02	411713.09	68.6	67.5	-1.1
21798	129857.80	411732.26	68.5	67.4	-1.1
21799	129759.59	411751.43	68.5	67.4	-1.1
21800	129661.69	411771.84	68.3	67.2	-1.1
21801	129569.28	411788.91	68.0	66.9	-1.1
21802	129471.62	411804.41	68.1	67.1	-1.0
21803	129381.55	411819.20	68.1	67.0	-1.1
21804	129282.80	411835.40	67.8	66.7	-1.1
21805	129183.88	411850.54	67.2	66.1	-1.1
21806	129084.99	411865.82	66.9	65.9	-1.0
21807	128985.88	411879.66	68.1	67.0	-1.1
21808	128886.77	411893.50	68.1	67.0	-1.1
21809	128787.66	411907.35	68.0	66.9	-1.1
21810	128688.55	411921.21	68.3	67.2	-1.1
21811	128589.45	411935.05	68.3	67.2	-1.1
21812	128490.33	411948.88	68.1	67.0	-1.1
21813	128391.23	411962.73	67.9	66.8	-1.1
21814	128292.12	411976.58	68.0	66.9	-1.1

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
21815	128192.94	411989.94	67.9	66.8	-1.1
21816	128093.46	412000.76	67.8	66.7	-1.1
21817	127993.63	412007.63	67.6	66.5	-1.1
21818	127893.67	412011.88	67.7	66.6	-1.1
21819	127793.61	412011.94	68.0	66.9	-1.1
21820	127693.59	412008.85	68.3	67.2	-1.1
21821	127593.62	412004.50	68.4	67.3	-1.1
21822	127496.21	412015.80	66.9	65.8	-1.1
21823	127431.84	412090.75	62.6	61.5	-1.1
21824	127334.89	412106.91	62.2	61.1	-1.1
21825	127234.89	412103.25	62.4	61.4	-1.0
21826	127134.89	412099.42	62.5	61.4	-1.1
21827	127090.97	412024.19	66.7	65.6	-1.1
21828	127014.60	411979.38	69.7	68.7	-1.0
21829	126914.69	411973.75	69.7	68.6	-1.1
21830	126814.77	411968.13	69.4	68.3	-1.1
21831	126715.17	411958.85	69.0	67.9	-1.1
21832	126615.86	411946.49	68.5	67.5	-1.0
21833	126516.55	411934.14	68.4	67.4	-1.0
21834	126417.25	411921.81	68.4	67.4	-1.0
21835	126317.78	411910.79	68.2	67.1	-1.1
21836	126218.43	411898.81	68.1	67.1	-1.0
21837	126119.09	411886.77	67.9	66.8	-1.1
21838	126027.91	411877.69	67.5	66.5	-1.0
21839	125940.78	411865.40	67.3	66.3	-1.0
21840	125845.08	411853.86	67.0	66.0	-1.0
21841	125747.20	411842.47	66.8	65.8	-1.0
21842	125654.91	411829.27	67.4	66.4	-1.0
21843	125555.54	411817.39	67.8	66.7	-1.1
21844	125456.19	411805.41	67.9	66.8	-1.1
21845	125356.92	411792.83	68.0	66.9	-1.1
21846	125257.81	411778.98	68.0	67.0	-1.0
21847	125158.76	411764.72	68.1	67.0	-1.1
21848	125059.07	411757.15	67.4	66.2	-1.2
21849	124959.09	411753.82	66.2	65.0	-1.2
21850	124859.08	411757.45	62.7	61.6	-1.1
21851	124759.07	411761.08	59.9	58.7	-1.2
21852	124659.07	411764.54	60.7	59.6	-1.1
21853	124559.27	411758.80	64.1	63.0	-1.1
21854	124459.90	411748.78	65.5	64.3	-1.2
21855	124359.93	411750.84	67.1	65.9	-1.2
21856	124260.22	411751.45	69.3	68.3	-1.0
21857	124160.86	411763.41	69.0	68.0	-1.0
21858	124061.50	411775.32	68.8	67.9	-0.9
21859	123961.96	411785.64	68.5	67.6	-0.9
21860	123862.40	411795.76	68.4	67.5	-0.9

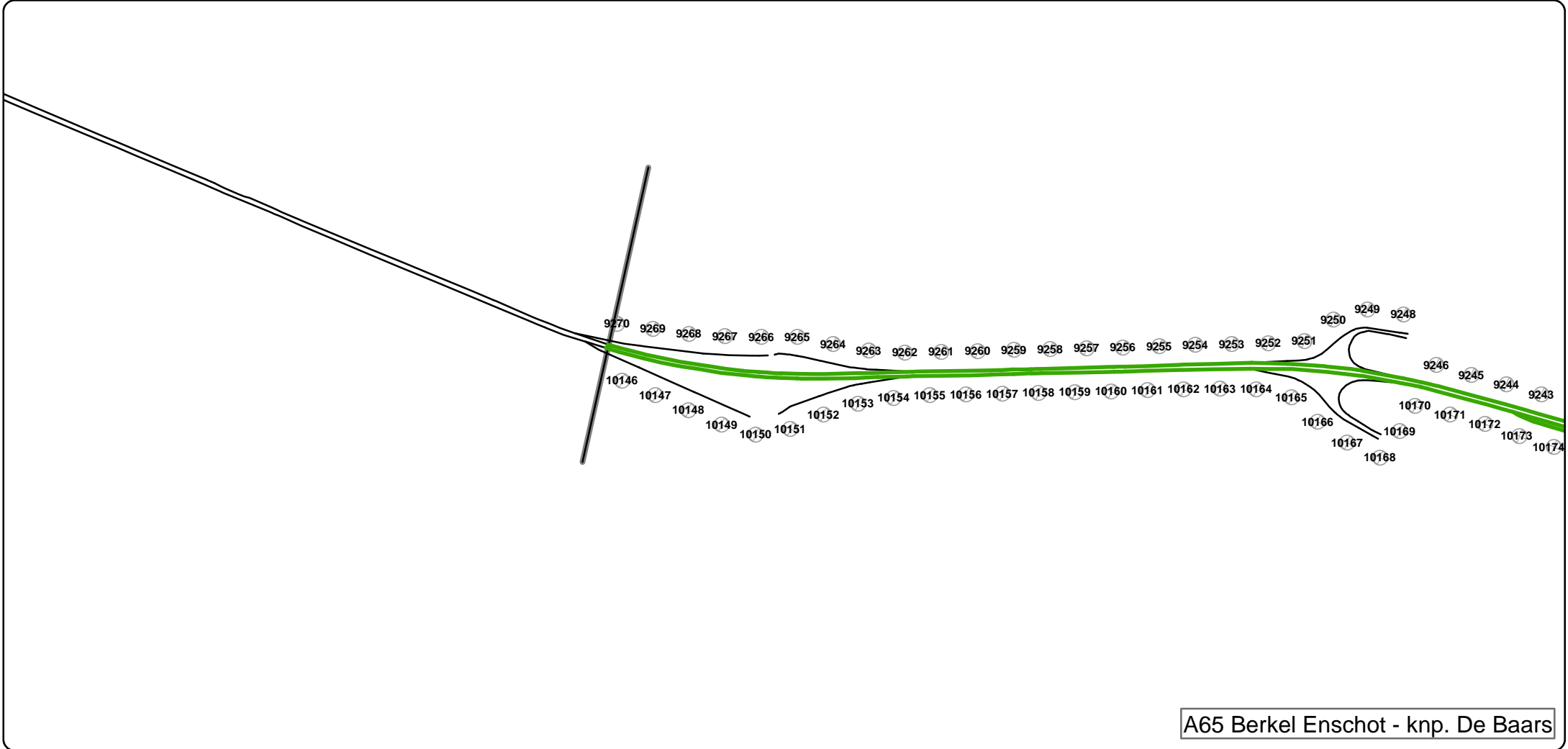
Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
21861	123762.84	411805.87	68.4	67.5	-0.9
21862	123663.37	411816.83	68.4	67.5	-0.9
21863	123563.92	411827.92	68.2	67.3	-0.9
21864	123464.46	411839.02	68.2	67.3	-0.9
21865	123365.01	411850.12	68.4	67.5	-0.9
21866	123265.55	411861.22	68.5	67.6	-0.9
21867	123166.07	411871.99	68.3	67.4	-0.9
21868	123066.44	411881.41	67.6	66.7	-0.9
21869	122966.61	411887.77	68.2	67.3	-0.9
21870	122866.60	411889.80	68.6	67.7	-0.9
21871	122766.56	411886.99	68.6	67.7	-0.9
21872	122666.63	411881.90	68.6	67.7	-0.9
21873	122566.96	411873.03	68.8	67.9	-0.9
21874	122467.34	411863.57	68.9	68.0	-0.9
21875	122367.74	411853.82	69.0	68.1	-0.9
21876	122268.15	411844.07	69.1	68.2	-0.9
21877	122168.62	411833.60	69.1	68.2	-0.9
21878	122069.32	411821.31	69.2	68.3	-0.9
21879	121970.24	411807.27	69.1	68.2	-0.9
21880	121871.58	411790.58	69.0	68.1	-0.9
21881	121773.71	411769.83	68.9	68.0	-0.9
21882	121677.24	411743.46	68.9	68.0	-0.9
21883	121582.64	411710.82	69.0	68.1	-0.9
21884	121489.13	411675.19	69.1	68.2	-0.9
21885	121397.26	411635.63	68.8	67.9	-0.9
21886	121306.35	411593.80	69.2	68.3	-0.9
21887	121215.43	411551.98	69.2	68.3	-0.9
21888	121124.55	411510.09	69.1	68.2	-0.9
21889	121033.67	411468.19	69.1	68.2	-0.9
21890	120942.75	411426.39	68.9	68.0	-0.9
21891	120851.63	411385.03	69.0	68.1	-0.9
21892	120760.50	411343.66	69.2	68.3	-0.9
21893	120669.38	411302.30	69.2	68.3	-0.9
21894	120577.10	411263.65	68.9	67.9	-1.0
21895	120483.68	411227.83	68.2	67.1	-1.1
21896	120388.88	411195.80	69.1	67.9	-1.2

Bijlage 18

Titel	Traject A65 Berkel Enschoot - knp. De Baars
Omvang	12 pagina's
Bron	Silence / GIS
Toelichting	Uitgangspunten en resultaten van de toetsing op referentiepunten



Legenda

Snelheidsbeeld na snelheidsverhoging

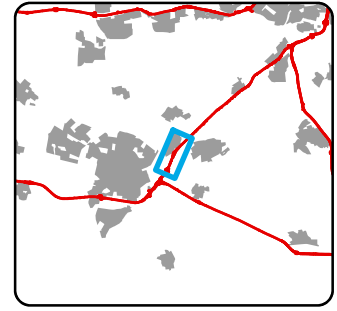
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- 100 km/h
- 120 km/h
- 130 km/h

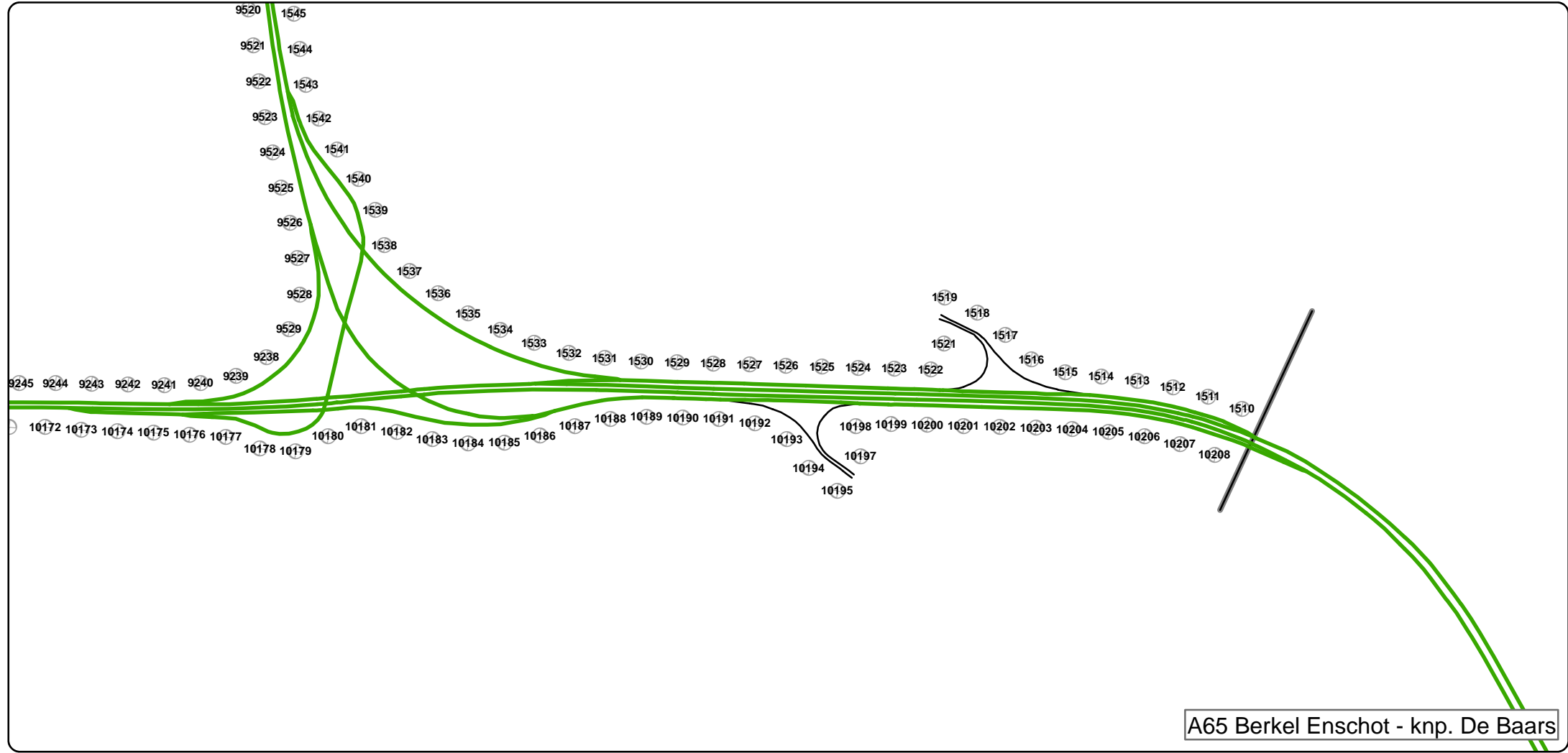
— Onderzoeksgrens

⊗ Referentiepunt

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Kilometers





A65 Berkel Enschoot - knp. De Baars

Legenda

Snelheidsbeeld na snelheidsverhoging

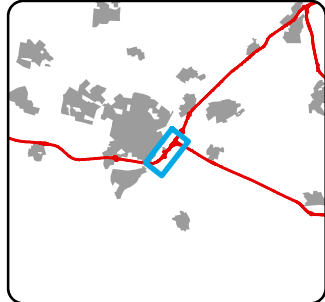
— Onderzoeksgrens

⊗ Referentiepunt

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 100 km/h
 120 km/h
 130 km/h

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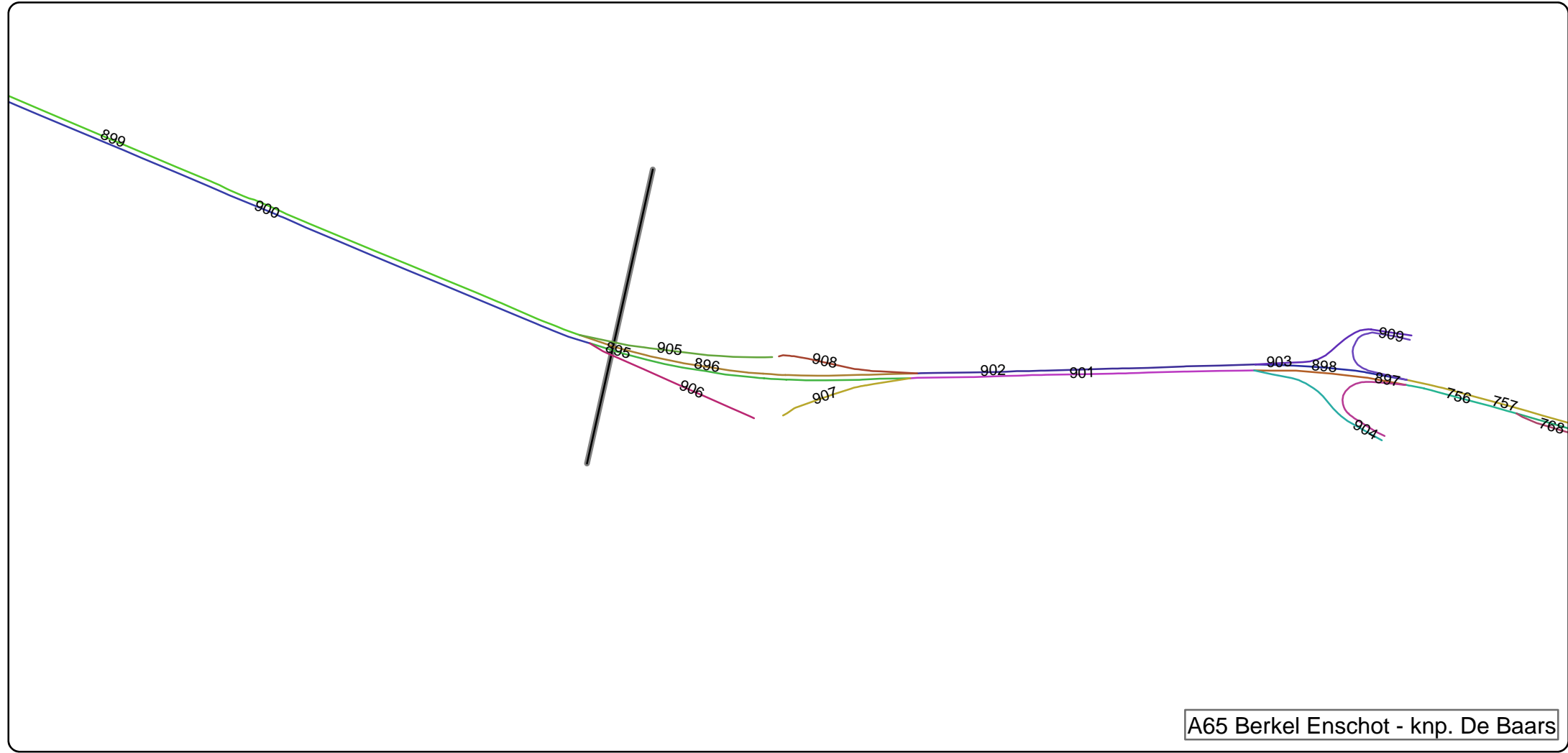
Kilometers



Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Uurintensiteiten

ID	peiljaar 2016								
	Dag			Avond			Nacht		
	Lichte mvt.	middelzware	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.
769	1 390.0	88.0	173.0	643.0	27.0	68.0	250.0	18.0	46.0
770	1 444.0	64.0	149.0	765.0	17.0	46.0	236.0	20.0	51.0
771	1 828.0	106.0	199.0	823.0	32.0	77.0	320.0	22.0	55.0
772	1 830.0	90.0	173.0	973.0	23.0	54.0	306.0	26.0	59.0
773	2 531.0	133.0	217.0	1 317.0	32.0	71.0	413.0	37.0	81.0
774	2 588.0	106.0	199.0	1 215.0	32.0	77.0	406.0	22.0	55.0
775	369.9	20.6	34.7	217.1	9.9	20.5	64.8	4.0	8.6
776	476.1	27.8	44.6	240.6	11.1	25.5	86.9	4.4	9.9
777	652.9	30.7	28.8	339.6	12.2	17.1	169.4	7.1	9.7
778	754.4	29.2	29.5	433.7	12.1	18.2	130.7	4.4	6.8
895	1 115.0	72.0	64.0	551.0	15.0	24.0	171.0	16.0	30.0
896	1 128.0	74.0	64.0	528.0	17.0	21.0	171.0	12.0	20.0
897	1 146.0	59.0	51.0	566.0	13.0	19.0	165.0	14.0	25.0
898	1 182.0	59.0	45.0	576.0	15.0	15.0	163.0	10.0	13.0
899	1 314.0	93.0	85.0	628.0	22.0	32.0	212.0	17.0	31.0
900	1 361.0	87.0	77.0	685.0	19.0	31.0	209.0	20.0	36.0
901	1 455.0	76.0	67.0	711.0	16.0	25.0	217.0	16.0	31.0
902	1 468.0	80.0	69.0	707.0	18.0	23.0	213.0	13.0	21.0
903	212.6	14.4	15.5	107.7	6.2	9.4	43.8	2.6	3.9
904	223.2	14.7	15.5	122.4	6.2	9.6	48.4	2.1	3.9
905	232.4	10.8	11.8	115.3	4.1	6.4	47.5	2.3	3.4
906	232.7	10.3	11.2	129.1	4.1	6.5	45.1	1.5	3.0
907	254.4	7.2	9.5	136.5	3.2	5.7	49.0	1.2	2.3
908	254.8	6.6	8.1	131.0	2.7	4.5	53.1	1.1	1.9
909	462.3	26.3	27.2	240.0	10.2	15.5	107.7	5.5	8.0
910	536.7	24.1	24.7	288.2	10.2	16.4	85.4	3.0	5.0
749	2 075.0	107.0	216.0	1 008.0	28.0	78.0	389.0	24.0	65.0
750	2 160.0	125.0	224.0	1 118.0	31.0	71.0	354.0	30.0	70.0
755	1 183.0	51.0	36.0	567.0	14.0	12.0	151.0	9.0	9.0
756	1 600.0	106.0	113.0	791.0	23.0	35.0	248.0	24.0	48.0
757	1 623.0	103.0	101.0	778.0	27.0	34.0	231.0	18.0	25.0
758	1 639.0	64.0	157.0	784.0	19.0	62.0	303.0	15.0	43.0
759	1 720.0	72.0	159.0	907.0	19.0	49.0	274.0	21.0	54.0
760	2 061.0	115.0	194.0	958.0	34.0	74.0	368.0	24.0	52.0
761	2 183.0	92.0	169.0	1 129.0	24.0	52.0	329.0	25.0	57.0
762	422.0	51.0	36.0	175.0	14.0	12.0	65.0	9.0	9.0
763	437.0	43.0	59.0	224.0	9.0	15.0	86.0	9.0	22.0
764	440.0	52.0	64.0	211.0	12.0	22.0	80.0	9.0	16.0
765	463.0	19.0	10.0	223.0	5.0	3.0	55.0	3.0	4.0
766	701.0	44.0	44.0	344.0	9.0	17.0	107.0	11.0	23.0
767	761.0	-	-	392.0	-	-	86.0	-	-
768	899.0	62.0	69.0	447.0	13.0	18.0	141.0	13.0	25.0
48	-	-	-	-	-	-	-	-	-



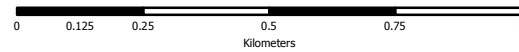
A65 Berkel Enschtot - knp. De Baars

Legenda

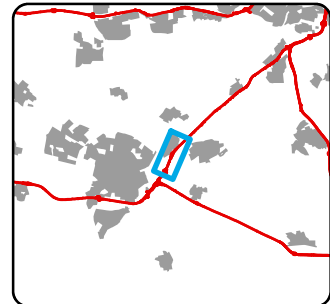
— Onderzoeksgrens

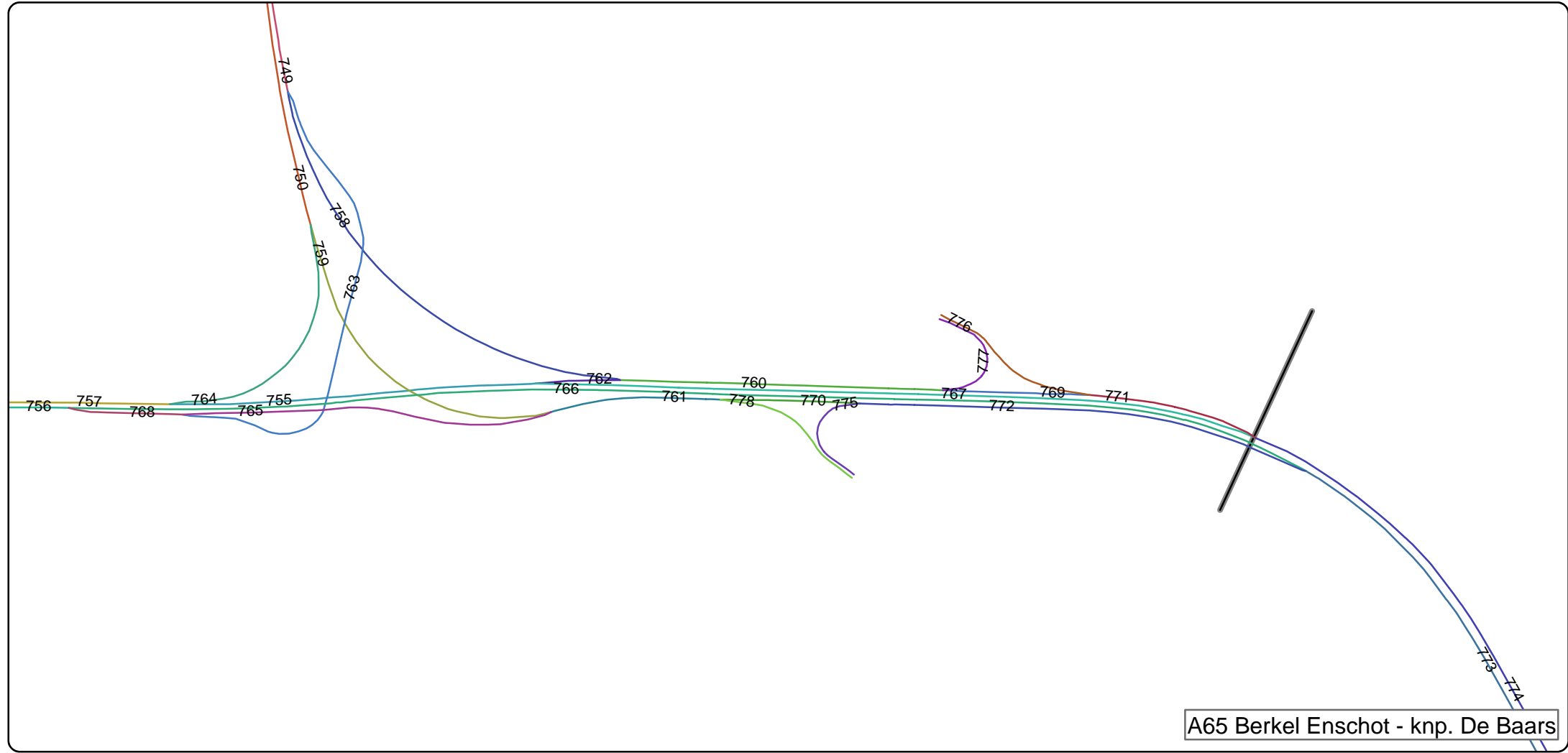


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dGm^R



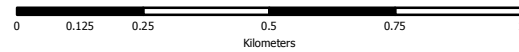


Legenda

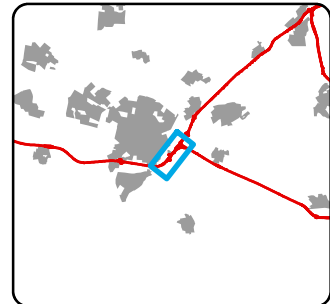
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dGm^R

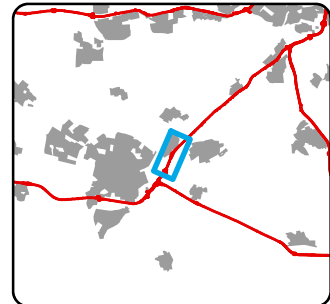
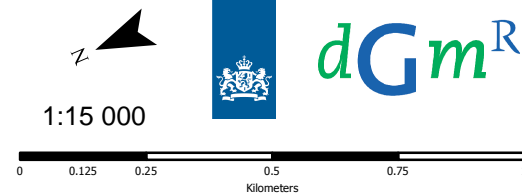


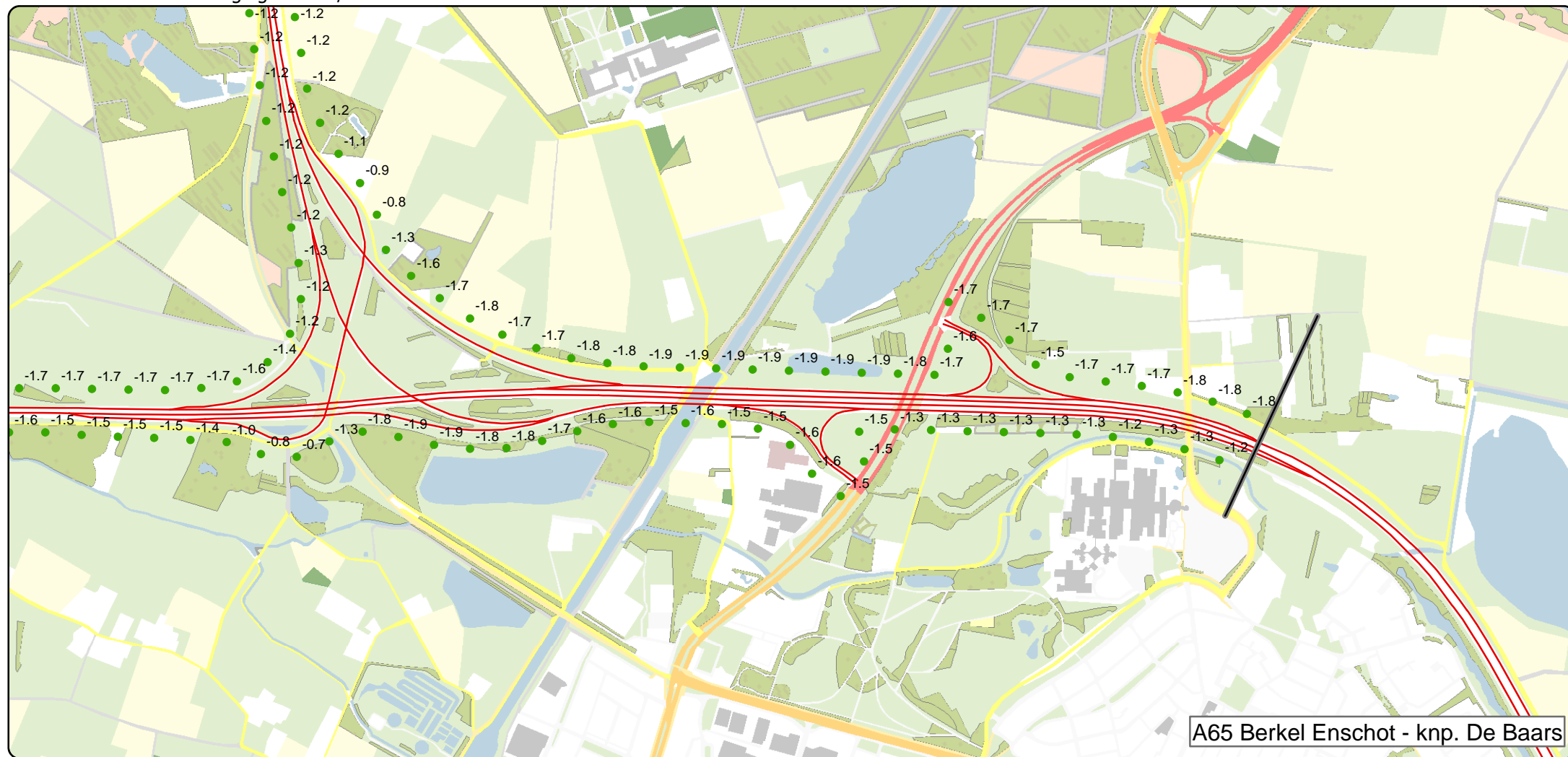


**Legenda
Verschil met GPP**

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GGP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

- Onderzoeksgrens
- Rijkswegen



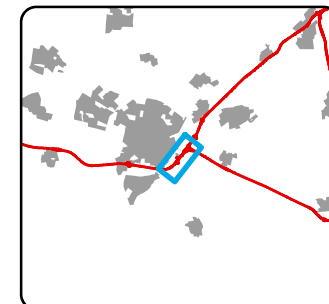


A65 Berkel Enschoot - knp. De Baars

**Legenda
Verschil met GPP**

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GGP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

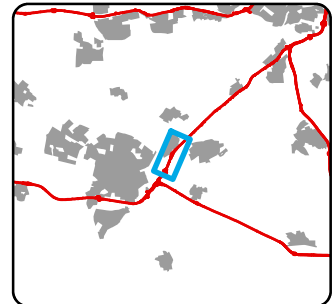
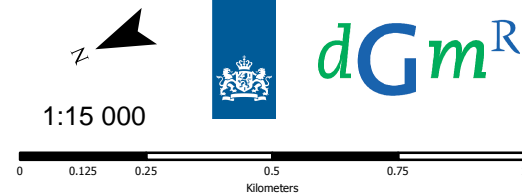
- Onderzoeksgrens
- Rijkswegen

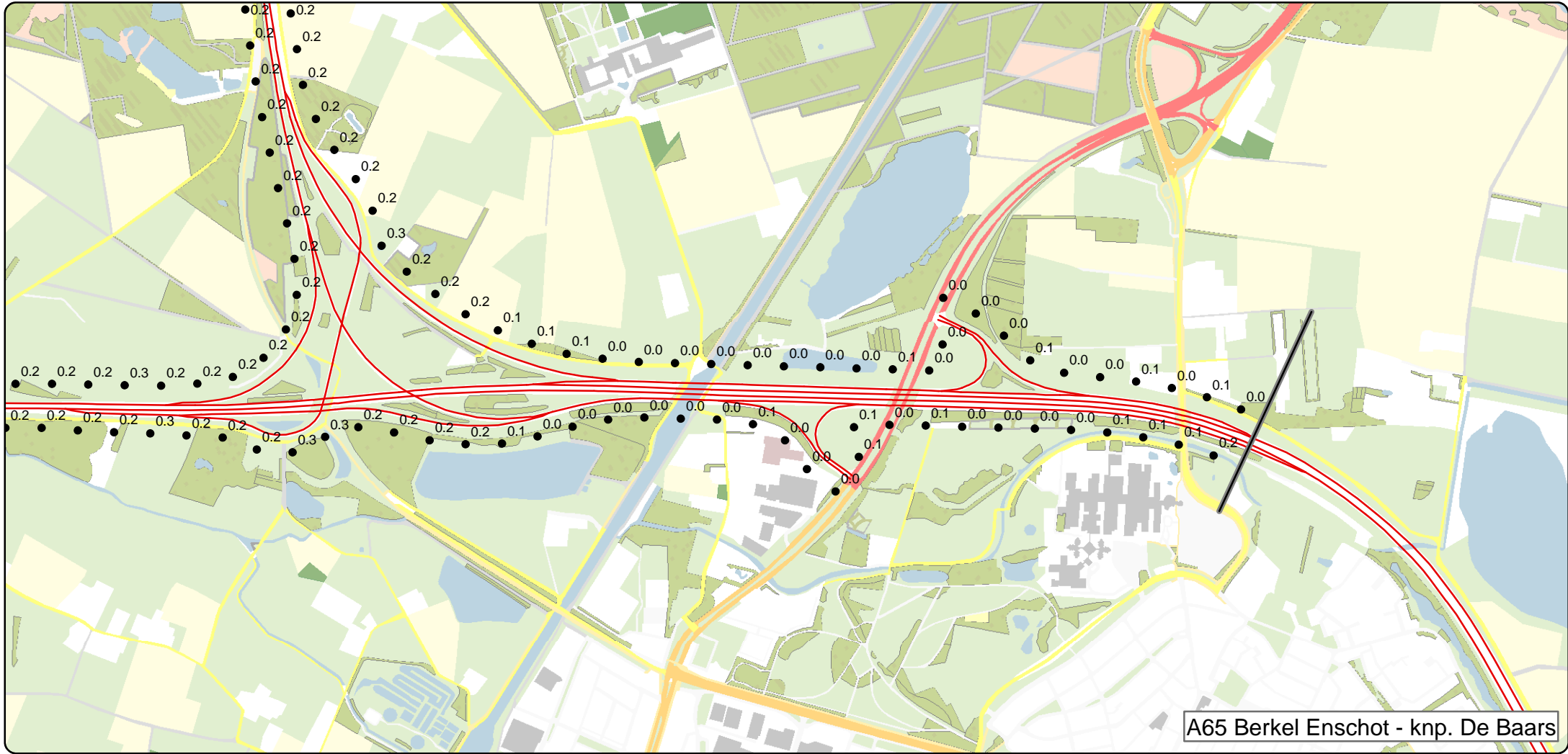




Legenda

- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen

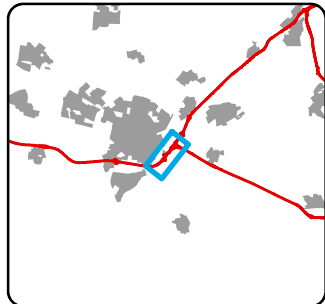
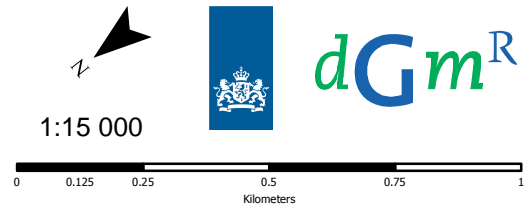




A65 Berkel Enschoot - knp. De Baars

Legenda

- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen



Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
1510	135376.43	394196.35	69.5	67.7	-1.8
1511	135460.95	394249.42	69.3	67.5	-1.8
1512	135540.42	394309.91	69.6	67.8	-1.8
1513	135615.02	394376.41	67.9	66.2	-1.7
1514	135685.75	394447.10	68.9	67.2	-1.7
1515	135756.48	394517.80	68.2	66.5	-1.7
1516	135840.64	394570.46	68.2	66.7	-1.5
1517	135938.61	394585.45	66.7	65.0	-1.7
1518	136034.21	394609.17	65.6	63.9	-1.7
1519	136123.94	394652.91	63.4	61.7	-1.7
1521	136023.71	394733.56	67.0	65.4	-1.6
1522	135989.95	394806.79	68.8	67.1	-1.7
1523	136053.79	394883.76	70.1	68.3	-1.8
1524	136117.64	394960.73	69.2	67.3	-1.9
1525	136181.49	395037.69	69.2	67.3	-1.9
1526	136245.34	395114.66	69.6	67.7	-1.9
1527	136309.19	395191.62	69.4	67.5	-1.9
1528	136373.04	395268.59	72.2	70.3	-1.9
1529	136436.89	395345.55	69.6	67.7	-1.9
1530	136500.73	395422.52	69.2	67.3	-1.9
1531	136568.94	395495.47	67.6	65.8	-1.8
1532	136640.70	395565.11	69.1	67.3	-1.8
1533	136721.81	395623.59	68.3	66.6	-1.7
1534	136807.94	395674.14	69.2	67.5	-1.7
1535	136898.09	395717.06	69.2	67.4	-1.8
1536	136992.93	395748.22	68.9	67.2	-1.7
1537	137089.85	395772.42	68.8	67.2	-1.6
1538	137189.18	395782.91	68.0	66.7	-1.3
1539	137280.38	395742.93	65.6	64.8	-0.8
1540	137377.68	395725.92	66.3	65.4	-0.9
1541	137477.64	395723.00	66.7	65.6	-1.1
9238	137145.75	396229.10	67.0	65.6	-1.4
9239	137156.14	396328.26	68.5	66.9	-1.6
9240	137202.02	396416.99	69.2	67.5	-1.7
9241	137258.70	396499.30	69.1	67.4	-1.7
9242	137321.85	396577.04	68.9	67.2	-1.7
9243	137384.93	396654.83	68.9	67.2	-1.7
9244	137447.66	396732.90	69.4	67.7	-1.7
9245	137509.67	396811.55	68.9	67.2	-1.7
9246	137572.09	396889.78	68.8	67.1	-1.7
9248	137737.19	396918.50	54.7	53.1	-1.6
9249	137788.92	397004.23	57.5	55.9	-1.6
9250	137798.34	397101.85	63.0	61.3	-1.7
9251	137775.84	397198.61	66.4	64.7	-1.7
9252	137809.12	397292.98	66.7	65.1	-1.6
9253	137845.94	397386.10	63.8	62.3	-1.5

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
9254	137882.95	397479.16	67.0	65.6	-1.4
9255	137919.02	397572.60	68.7	67.3	-1.4
9256	137955.33	397665.93	69.0	67.6	-1.4
9257	137992.00	397759.13	68.9	67.5	-1.4
9258	138028.53	397852.39	68.8	67.3	-1.5
9259	138065.64	397945.41	68.7	67.2	-1.5
9260	138101.96	398038.73	68.8	67.3	-1.5
9261	138139.54	398131.57	68.9	67.4	-1.5
9262	138176.84	398224.48	68.7	67.2	-1.5
9263	138220.84	398314.44	67.9	66.4	-1.5
9264	138275.13	398398.47	66.4	64.8	-1.6
9265	138332.23	398480.73	65.1	63.5	-1.6
9266	138371.02	398572.15	65.0	63.4	-1.6
9267	138412.15	398663.45	65.8	64.2	-1.6
9268	138457.71	398752.64	66.2	64.6	-1.6
9269	138509.19	398838.47	65.7	64.3	-1.4
9270	138561.10	398924.10	66.3	65.2	-1.1
9525	137489.79	395909.50	69.2	68.0	-1.2
9526	137398.15	395949.85	68.9	67.7	-1.2
9527	137308.58	395994.26	68.7	67.4	-1.3
9528	137226.06	396050.58	67.4	66.2	-1.2
9529	137169.46	396132.55	66.8	65.6	-1.2
10146	138410.04	398972.56	65.6	64.5	-1.1
10147	138336.95	398904.26	64.9	63.5	-1.4
10148	138263.88	398835.94	63.8	62.3	-1.5
10149	138190.81	398767.61	62.6	61.2	-1.4
10150	138129.61	398691.82	61.5	60.0	-1.5
10151	138106.09	398598.13	62.6	61.2	-1.4
10152	138107.09	398498.67	65.1	63.7	-1.4
10153	138098.05	398399.09	67.3	65.8	-1.5
10154	138074.20	398301.97	68.3	66.9	-1.4
10155	138041.45	398207.67	68.7	67.4	-1.3
10156	138003.52	398115.10	68.8	67.4	-1.4
10157	137967.16	398021.91	68.7	67.4	-1.3
10158	137930.82	397928.72	68.3	67.0	-1.3
10159	137893.54	397835.89	68.7	67.3	-1.4
10160	137856.26	397743.06	69.0	67.7	-1.3
10161	137819.80	397649.90	68.8	67.4	-1.4
10162	137783.28	397556.77	68.1	66.7	-1.4
10163	137745.62	397464.09	66.7	65.3	-1.4
10164	137705.36	397372.78	66.0	64.4	-1.6
10165	137646.14	397292.51	64.0	62.4	-1.6
10166	137555.93	397251.61	60.0	58.4	-1.6
10167	137470.92	397199.83	56.6	55.1	-1.5
10168	137398.74	397132.71	59.2	57.7	-1.5
10169	137443.86	397054.01	61.9	60.3	-1.6

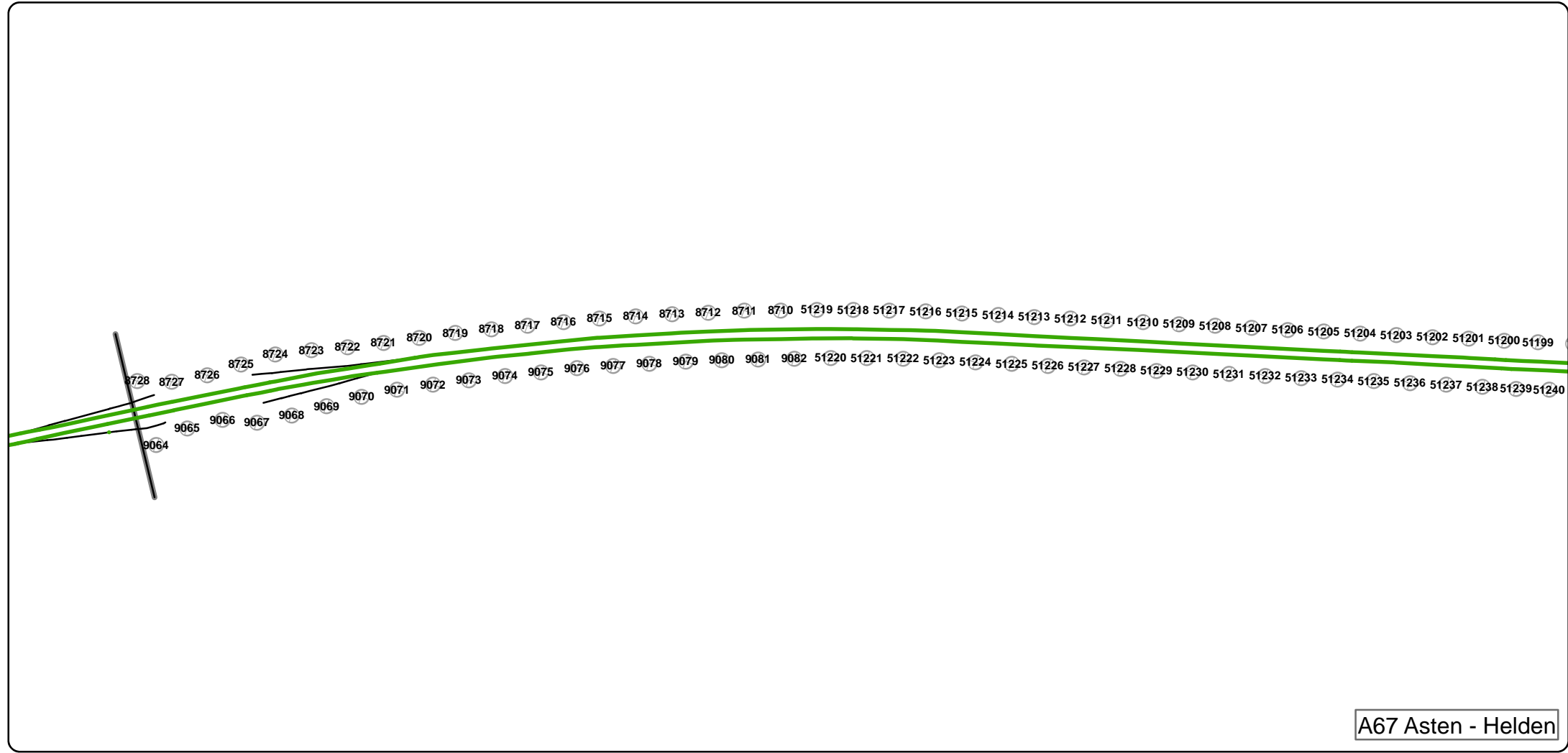
Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
10170	137492.41	396987.60	67.7	66.1	-1.6
10171	137431.51	396908.31	68.9	67.3	-1.6
10172	137369.80	396829.58	69.1	67.6	-1.5
10173	137303.05	396755.48	68.8	67.3	-1.5
10174	137237.30	396680.23	68.5	67.0	-1.5
10175	137173.51	396603.18	68.4	66.9	-1.5
10176	137107.62	396528.25	68.4	67.0	-1.4
10177	137041.54	396453.15	68.0	67.0	-1.0
10178	136958.01	396399.35	66.1	65.3	-0.8
10179	136891.36	396326.45	65.7	65.0	-0.7
10180	136869.93	396230.10	66.9	65.6	-1.3
10181	136834.46	396141.53	66.2	64.4	-1.8
10182	136762.13	396072.77	66.1	64.2	-1.9
10183	136684.97	396009.12	65.8	63.9	-1.9
10184	136615.34	395937.51	66.8	65.0	-1.8
10185	136555.37	395857.53	68.0	66.2	-1.8
10186	136510.79	395768.12	69.5	67.8	-1.7
10187	136472.27	395675.94	69.5	67.9	-1.6
10188	136427.37	395586.59	69.2	67.6	-1.6
10189	136370.41	395504.40	67.0	65.5	-1.5
10190	136306.66	395427.31	70.9	69.3	-1.6
10191	136242.73	395350.37	69.7	68.2	-1.5
10192	136172.04	395279.73	68.9	67.4	-1.5
10193	136082.73	395237.81	68.3	66.7	-1.6
10194	135982.88	395238.87	66.1	64.5	-1.6
10195	135885.87	395214.84	63.2	61.7	-1.5
10197	135921.68	395106.10	66.2	64.7	-1.5
10198	135994.39	395066.25	70.2	68.7	-1.5
10199	135939.15	394985.01	70.9	69.6	-1.3
10200	135876.00	394907.44	70.9	69.6	-1.3
10201	135812.08	394830.49	70.1	68.8	-1.3
10202	135748.14	394753.55	70.0	68.7	-1.3
10203	135684.55	394676.34	70.2	68.9	-1.3
10204	135620.16	394599.78	70.9	69.6	-1.3
10205	135553.46	394525.26	67.8	66.6	-1.2
10206	135482.00	394455.31	70.7	69.4	-1.3
10207	135405.46	394390.98	71.5	70.2	-1.3
10208	135323.05	394334.29	68.9	67.7	-1.2

Bijlage 19

Titel	Traject A67 Asten - Helden
Omvang	25 pagina's
Bron	Silence / GIS
Toelichting	Uitgangspunten en resultaten van de toetsing op referentiepunten




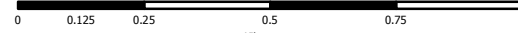
Legenda



Snelheidsbeeld na snelheidsverhoging

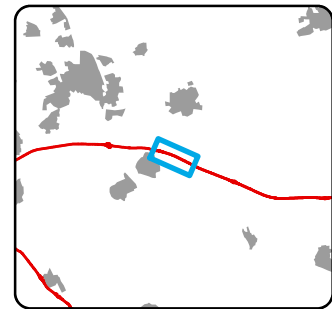
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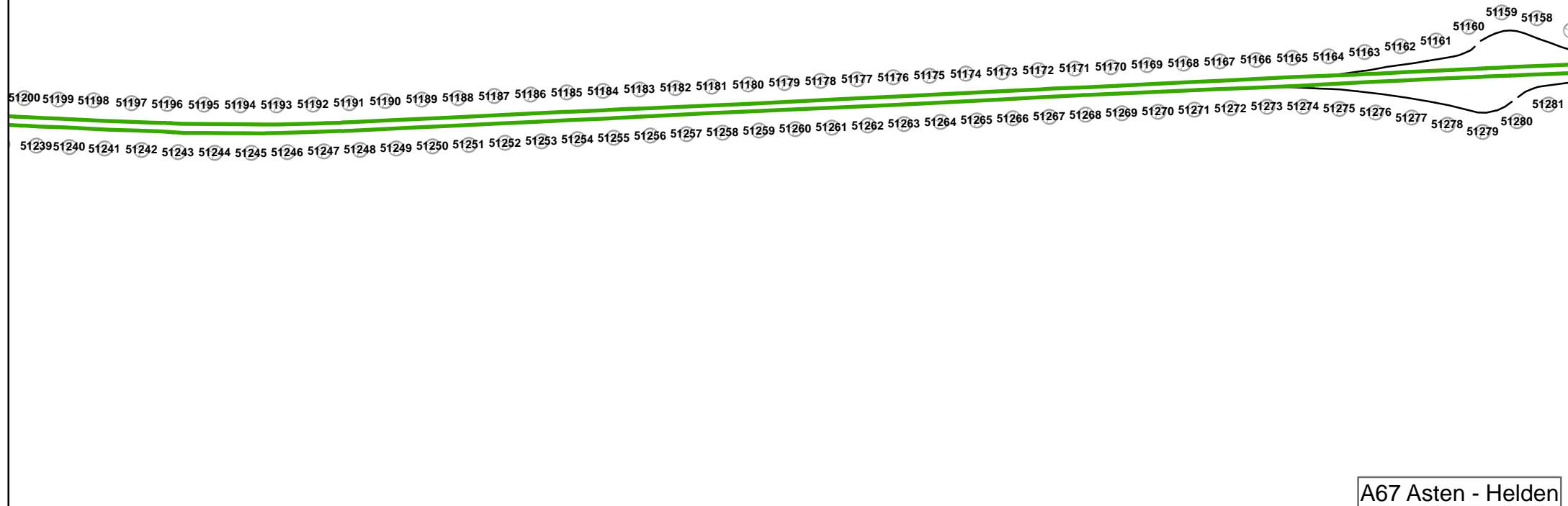
⊗ Referentiepunt

<100 km/h
 100 km/h
 120 km/h
 130 km/h


 1:15 000

 Kilometers

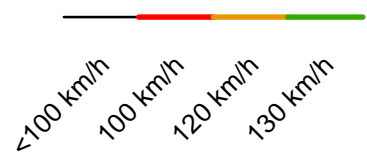




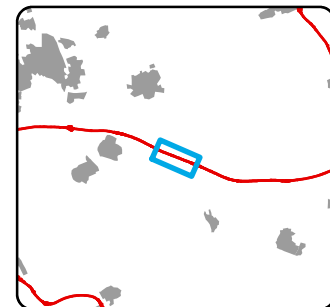
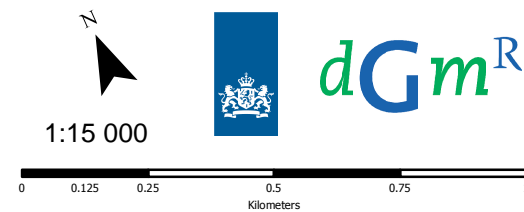
A67 Asten - Helden

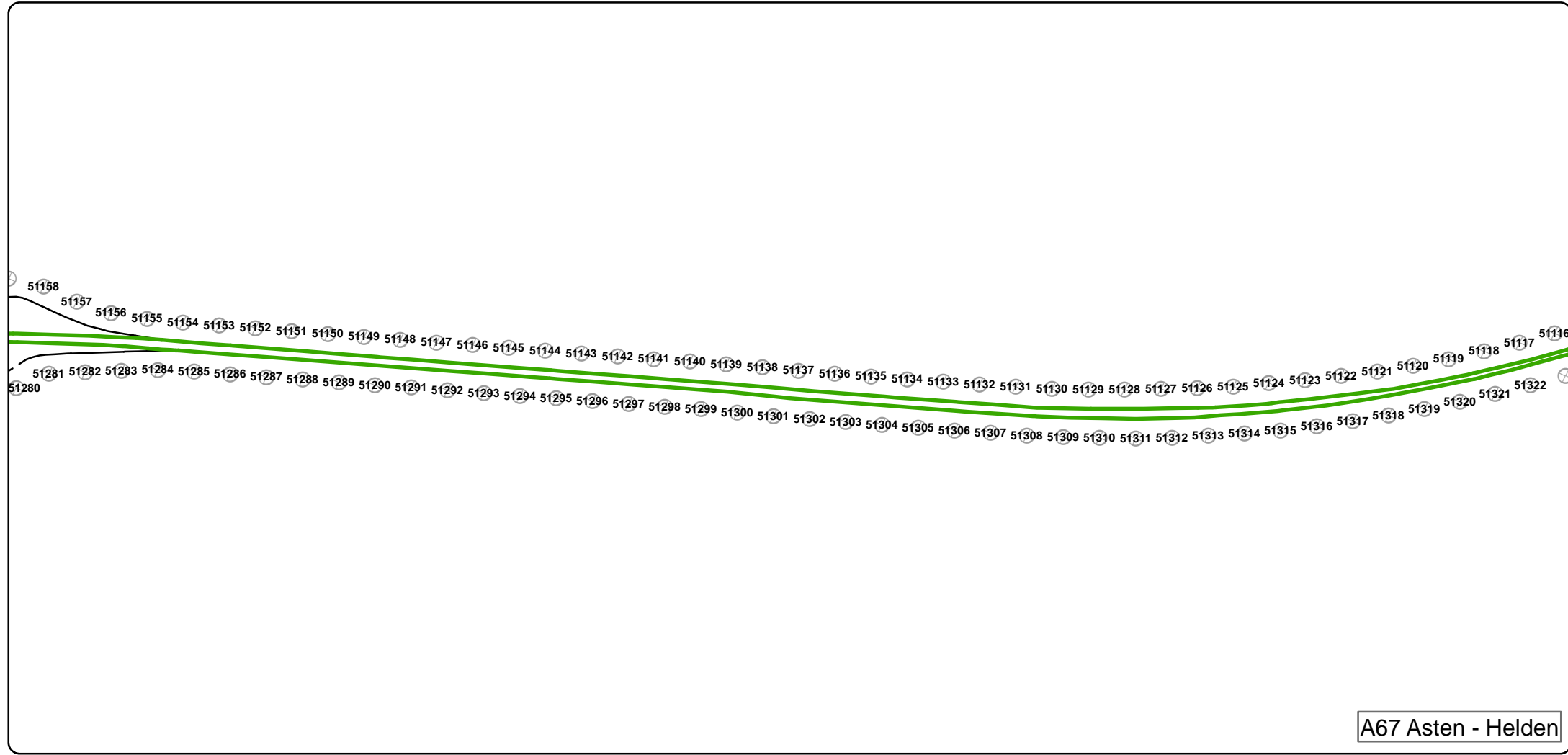
Legenda

Snelheidsbeeld na snelheidsverhoging



- Onderzoeksgrens
- ⊗ Referentiepunt





A67 Asten - Helden

Legenda

Snelheidsbeeld na snelheidsverhoging

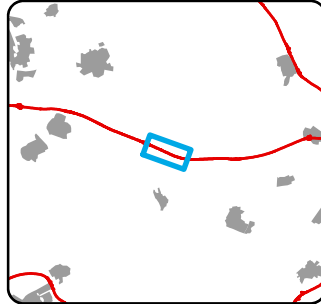
— Onderzoeksgrens

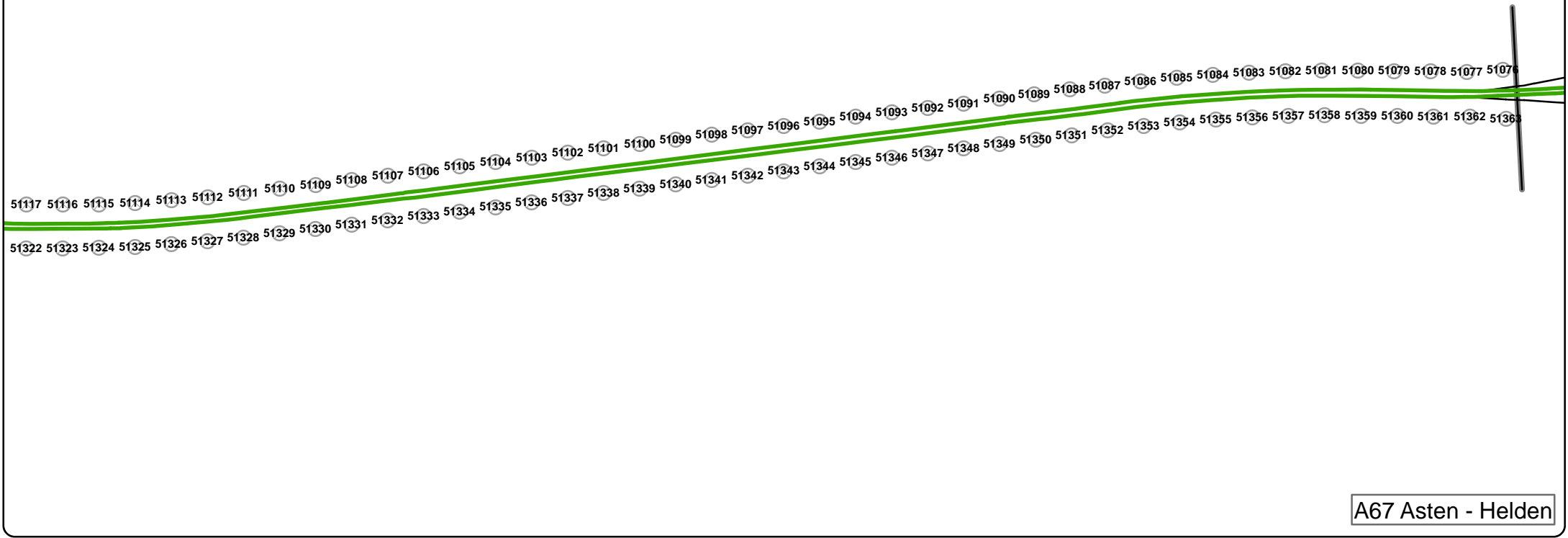
⊗ Referentiepunt

<100 km/h
 100 km/h
 120 km/h
 130 km/h

1:15 000

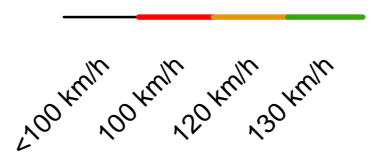
Kilometers



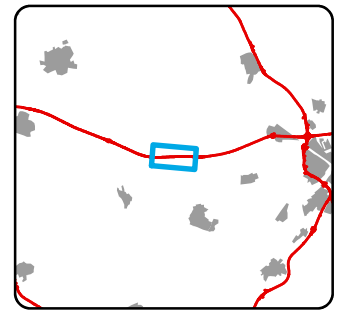
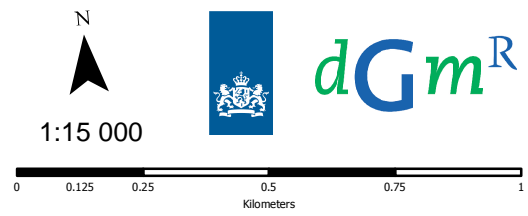


Legenda

Snelheidsbeeld na snelheidsverhoging



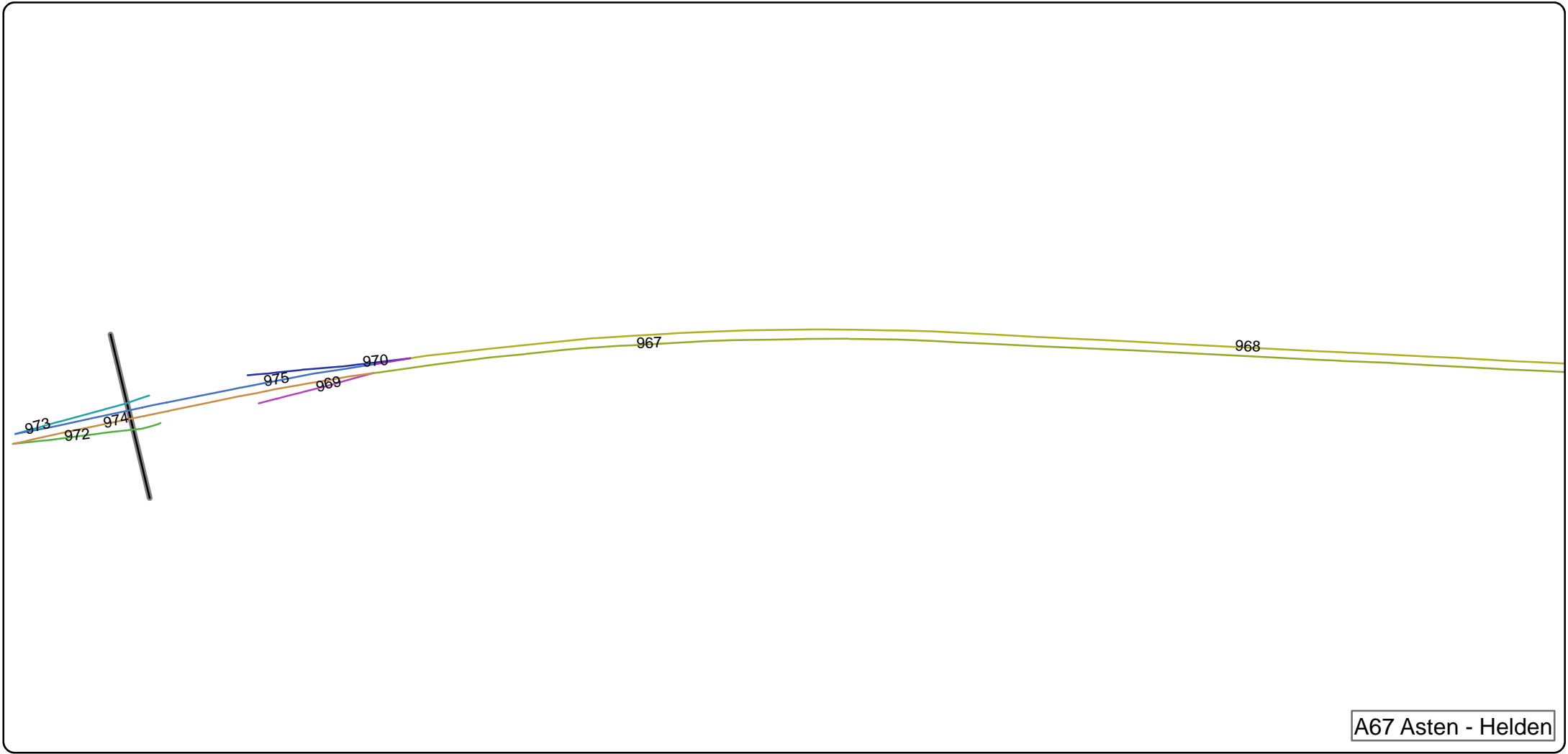
- Onderzoeksgrens
- ⊗ Referentiepunt



Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Uurintensiteiten

peiljaar 2016									
ID	Dag			Avond			Nacht		
	Lichte mvt.	middelzware	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.
769	1 390.0	88.0	173.0	643.0	27.0	68.0	250.0	18.0	46.0
770	1 444.0	64.0	149.0	765.0	17.0	46.0	236.0	20.0	51.0
771	1 828.0	106.0	199.0	823.0	32.0	77.0	320.0	22.0	55.0
772	1 830.0	90.0	173.0	973.0	23.0	54.0	306.0	26.0	59.0
773	2 531.0	133.0	217.0	1 317.0	32.0	71.0	413.0	37.0	81.0
774	2 588.0	106.0	199.0	1 215.0	32.0	77.0	406.0	22.0	55.0
775	369.9	20.6	34.7	217.1	9.9	20.5	64.8	4.0	8.6
776	476.1	27.8	44.6	240.6	11.1	25.5	86.9	4.4	9.9
777	652.9	30.7	28.8	339.6	12.2	17.1	169.4	7.1	9.7
778	754.4	29.2	29.5	433.7	12.1	18.2	130.7	4.4	6.8
895	1 115.0	72.0	64.0	551.0	15.0	24.0	171.0	16.0	30.0
896	1 128.0	74.0	64.0	528.0	17.0	21.0	171.0	12.0	20.0
897	1 146.0	59.0	51.0	566.0	13.0	19.0	165.0	14.0	25.0
898	1 182.0	59.0	45.0	576.0	15.0	15.0	163.0	10.0	13.0
899	1 314.0	93.0	85.0	628.0	22.0	32.0	212.0	17.0	31.0
900	1 361.0	87.0	77.0	685.0	19.0	31.0	209.0	20.0	36.0
901	1 455.0	76.0	67.0	711.0	16.0	25.0	217.0	16.0	31.0
902	1 468.0	80.0	69.0	707.0	18.0	23.0	213.0	13.0	21.0
903	212.6	14.4	15.5	107.7	6.2	9.4	43.8	2.6	3.9
904	223.2	14.7	15.5	122.4	6.2	9.6	48.4	2.1	3.9
905	232.4	10.8	11.8	115.3	4.1	6.4	47.5	2.3	3.4
906	232.7	10.3	11.2	129.1	4.1	6.5	45.1	1.5	3.0
907	254.4	7.2	9.5	136.5	3.2	5.7	49.0	1.2	2.3
908	254.8	6.6	8.1	131.0	2.7	4.5	53.1	1.1	1.9
909	462.3	26.3	27.2	240.0	10.2	15.5	107.7	5.5	8.0
910	536.7	24.1	24.7	288.2	10.2	16.4	85.4	3.0	5.0
749	2 075.0	107.0	216.0	1 008.0	28.0	78.0	389.0	24.0	65.0
750	2 160.0	125.0	224.0	1 118.0	31.0	71.0	354.0	30.0	70.0
755	1 183.0	51.0	36.0	567.0	14.0	12.0	151.0	9.0	9.0
756	1 600.0	106.0	113.0	791.0	23.0	35.0	248.0	24.0	48.0
757	1 623.0	103.0	101.0	778.0	27.0	34.0	231.0	18.0	25.0
758	1 639.0	64.0	157.0	784.0	19.0	62.0	303.0	15.0	43.0
759	1 720.0	72.0	159.0	907.0	19.0	49.0	274.0	21.0	54.0
760	2 061.0	115.0	194.0	958.0	34.0	74.0	368.0	24.0	52.0
761	2 183.0	92.0	169.0	1 129.0	24.0	52.0	329.0	25.0	57.0
762	422.0	51.0	36.0	175.0	14.0	12.0	65.0	9.0	9.0
763	437.0	43.0	59.0	224.0	9.0	15.0	86.0	9.0	22.0
764	440.0	52.0	64.0	211.0	12.0	22.0	80.0	9.0	16.0
765	463.0	19.0	10.0	223.0	5.0	3.0	55.0	3.0	4.0
766	701.0	44.0	44.0	344.0	9.0	17.0	107.0	11.0	23.0
767	761.0	-	-	392.0	-	-	86.0	-	-
768	899.0	62.0	69.0	447.0	13.0	18.0	141.0	13.0	25.0
48	-	-	-	-	-	-	-	-	-



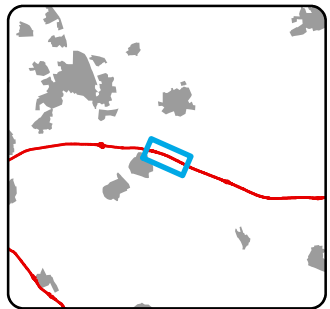
A67 Asten - Helden

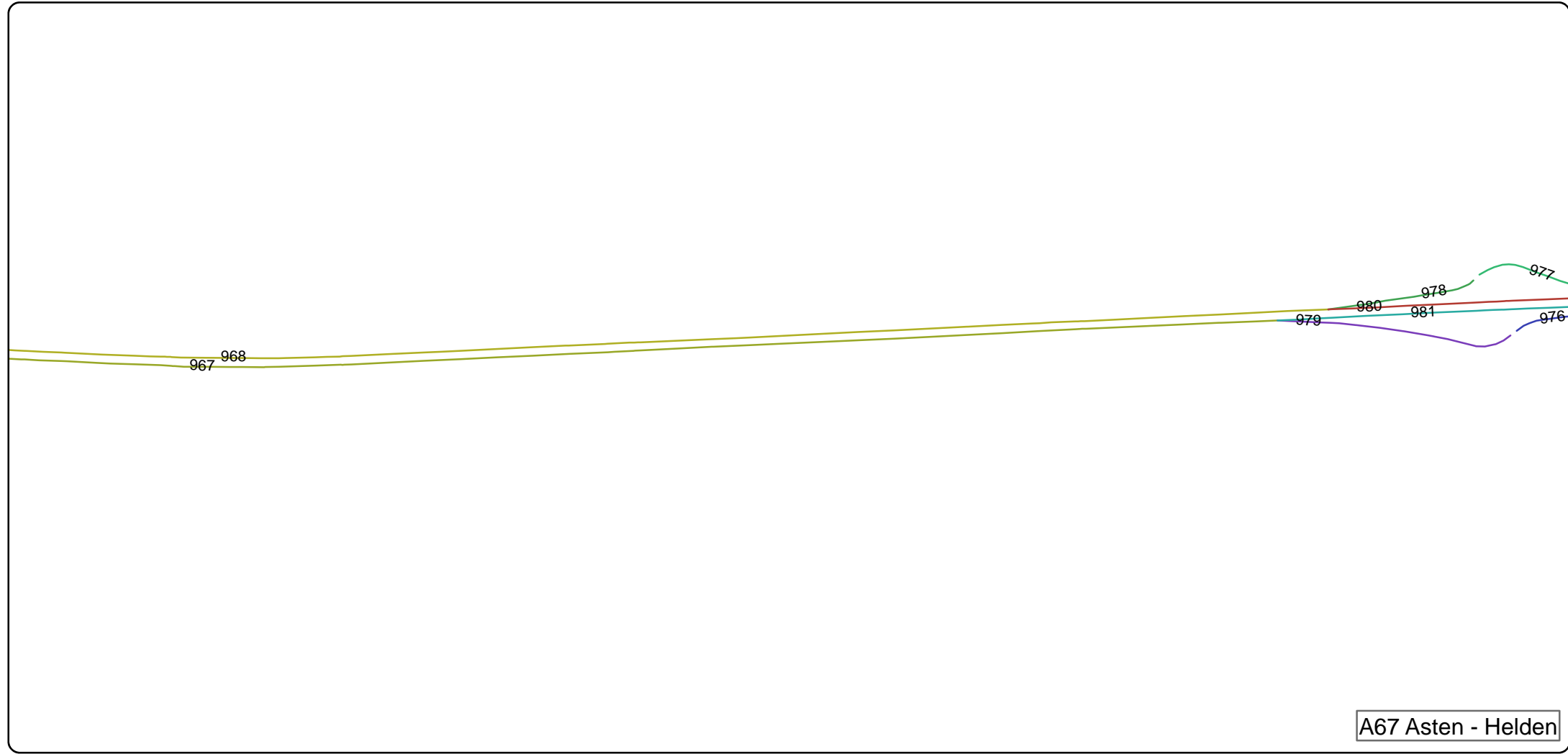
Legenda

— Onderzoeksgrens

1:15 000

Kilometers

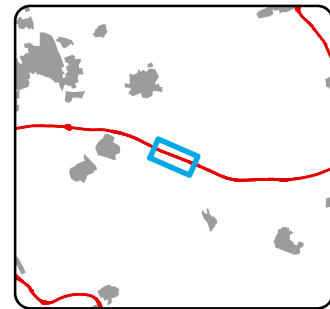
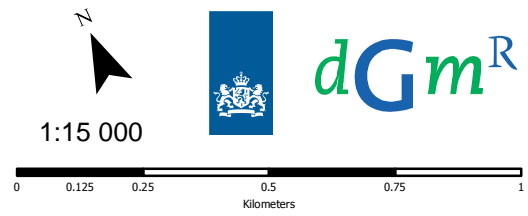


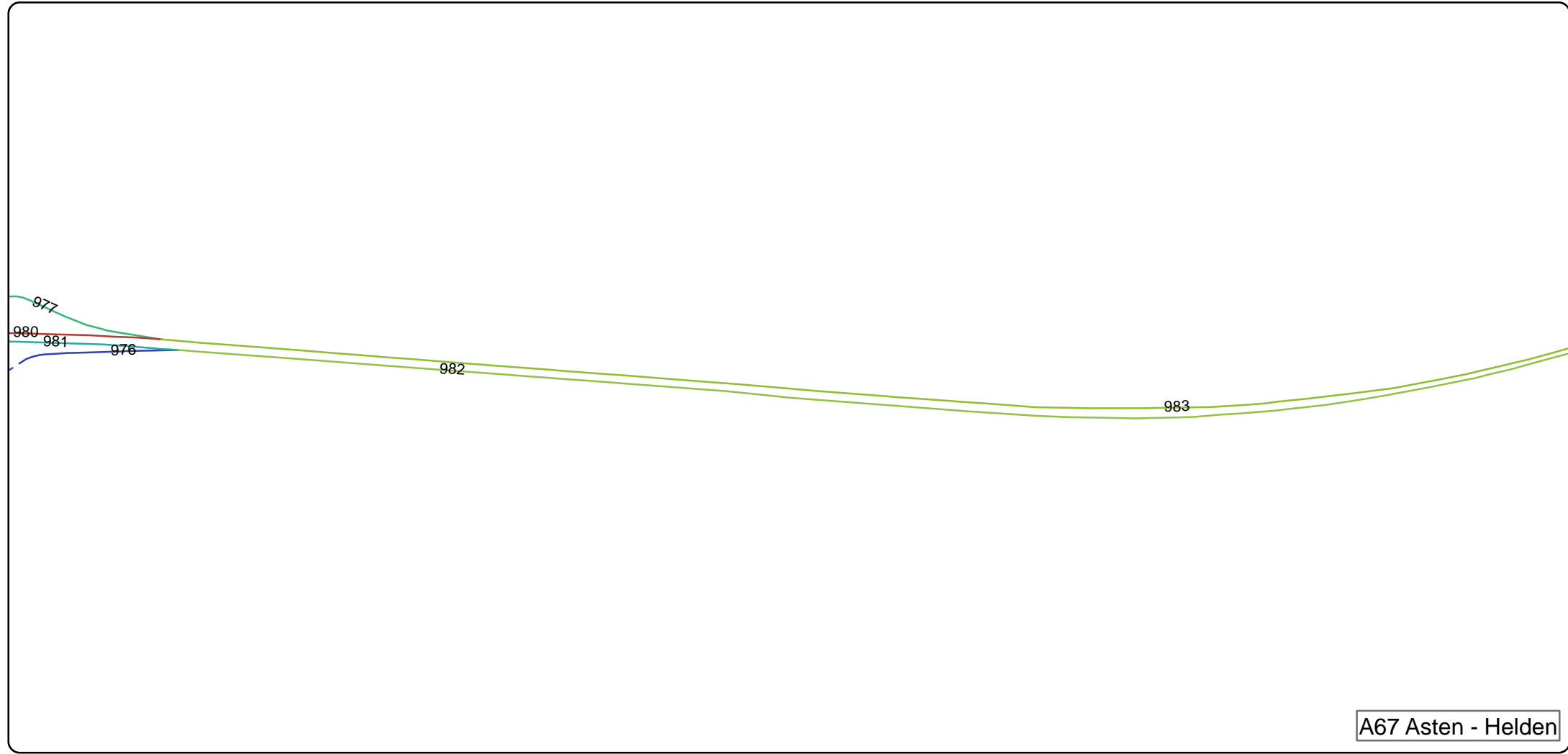


A67 Asten - Helden

Legenda

— Onderzoeksgrens

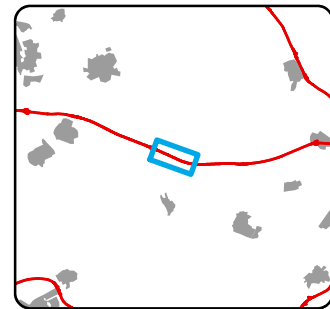
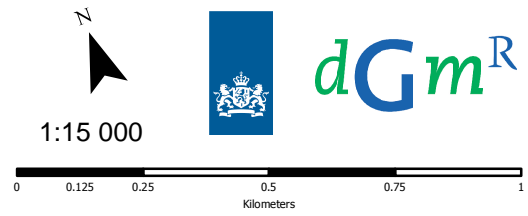


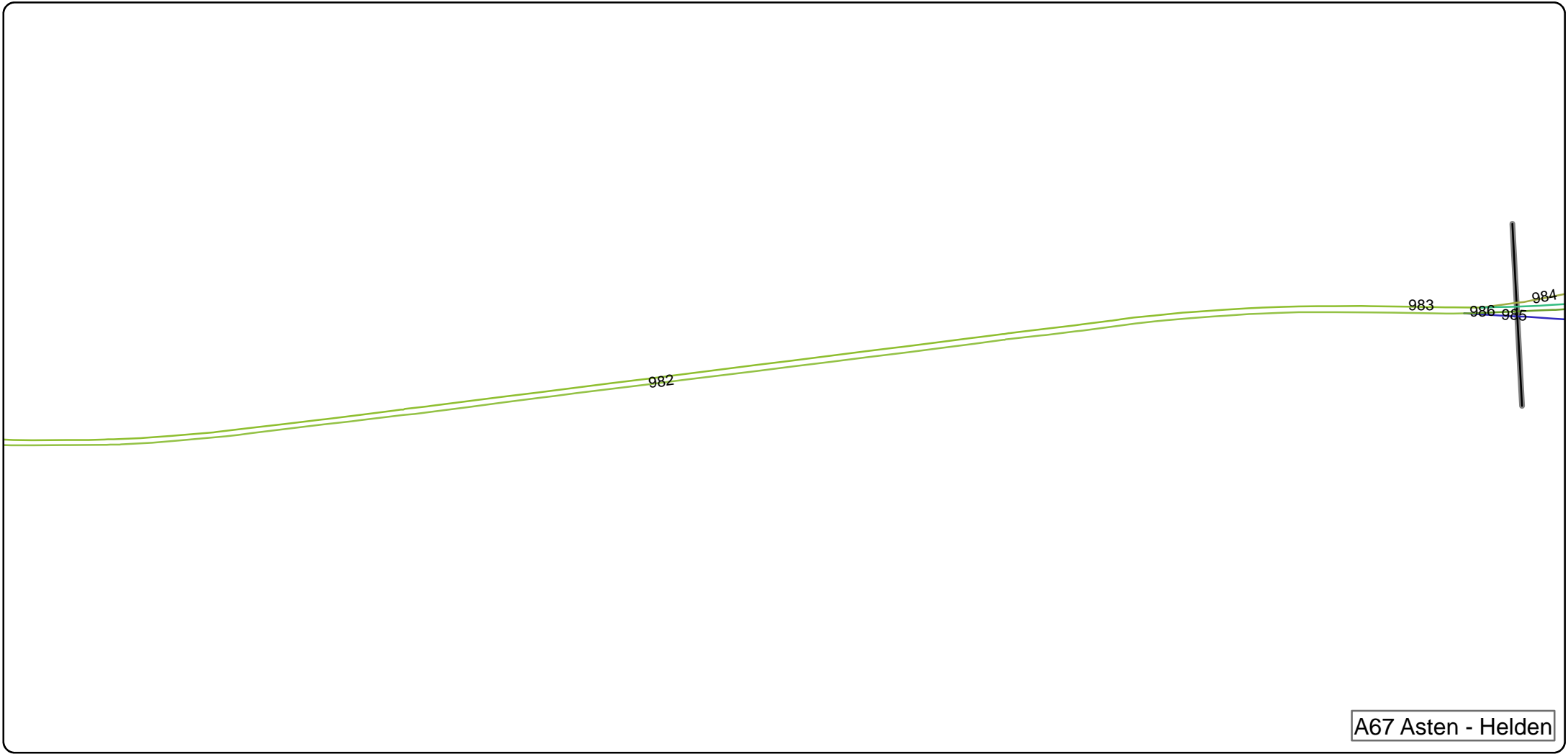


A67 Asten - Helden

Legenda

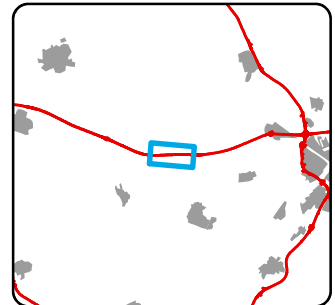
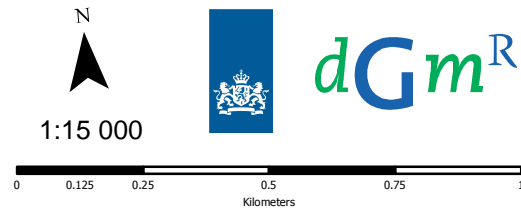
— Onderzoeksgrens





Legenda

— Onderzoeksgrens





A67 Asten - Helden

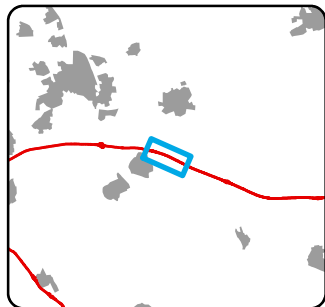
Legenda
Verschil met GPP

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GGP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

— Onderzoeksgrens
— Rijkswegen

1:15 000

Kilometers

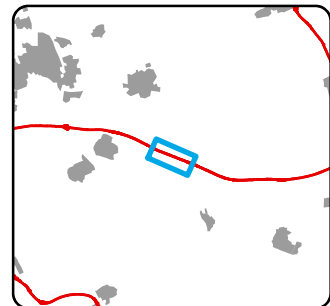
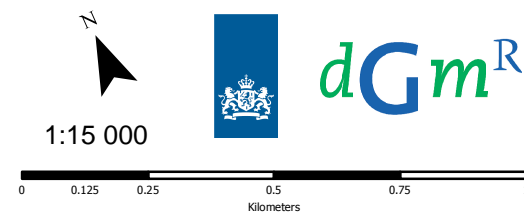




**Legenda
Verschil met GPP**

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GGP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

- Onderzoeksgrens
- Rijkswegen



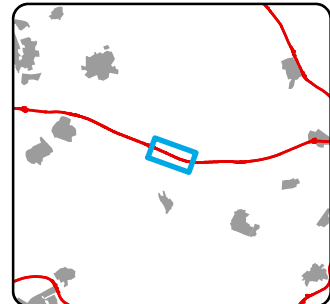
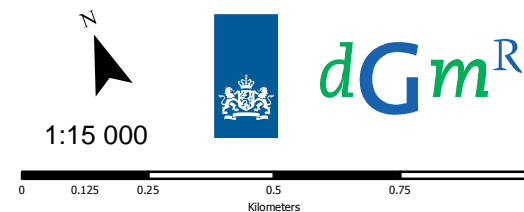


A67 Asten - Helden

**Legenda
Verschil met GPP**

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GGP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

- Onderzoeksgrens
- Rijkswegen

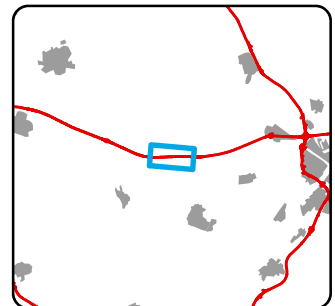
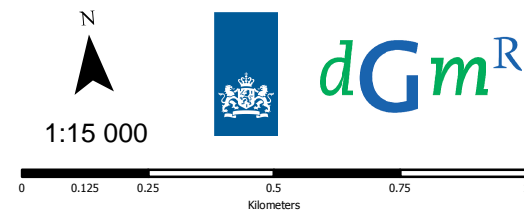




**Legenda
Verschil met GPP**

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GGP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

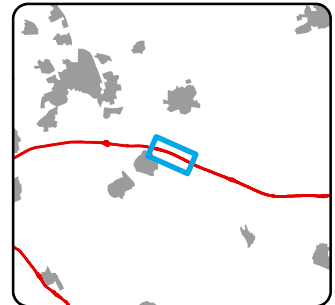
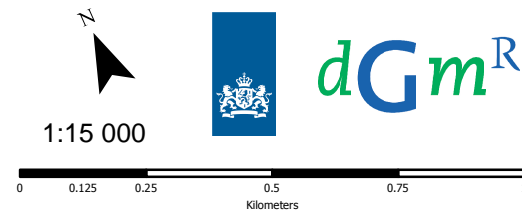
- Onderzoeksgrens
- Rijkswegen





Legenda

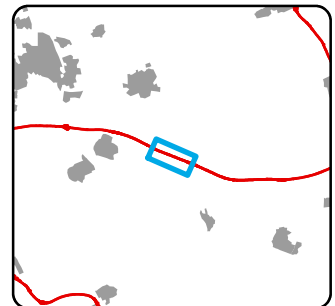
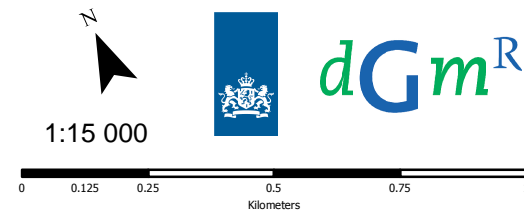
- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen

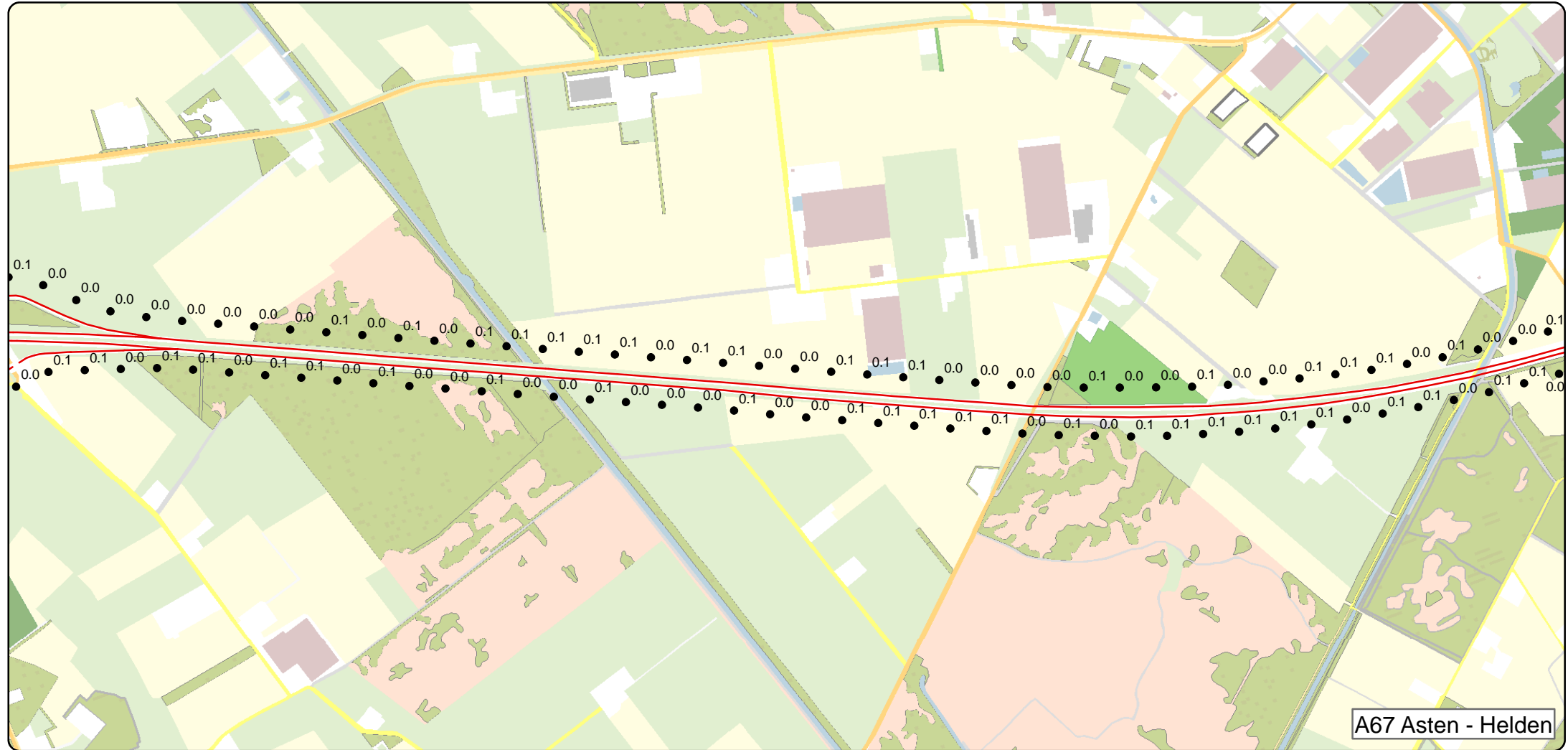




Legenda

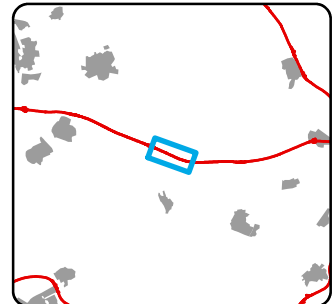
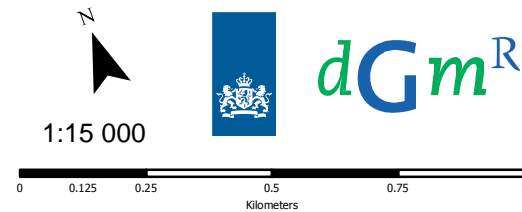
- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen

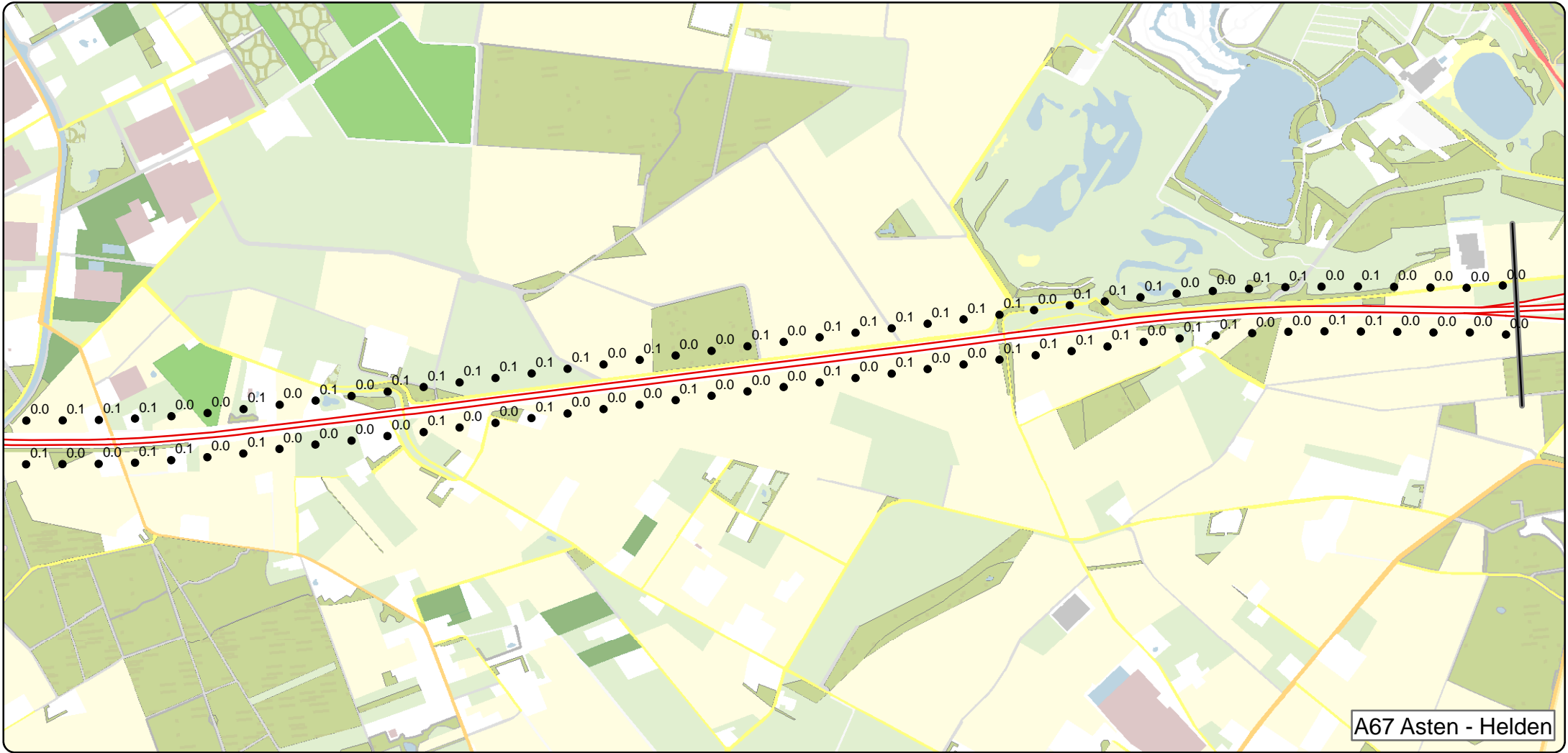




Legenda

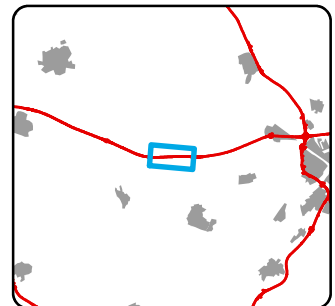
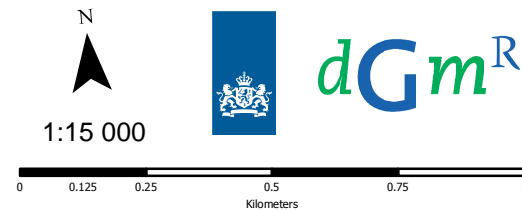
- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen





Legenda

- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen



Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
8710	182643.30	380613.01	68.0	66.9	-1.1
8711	182551.30	380652.26	67.8	66.7	-1.1
8712	182458.27	380689.03	68.1	67.0	-1.1
8713	182365.12	380725.47	68.0	66.9	-1.1
8714	182271.46	380760.60	67.9	66.8	-1.1
8715	182177.80	380795.72	67.7	66.6	-1.1
8716	182083.03	380827.72	67.4	66.3	-1.1
8717	181987.95	380858.80	67.2	66.1	-1.1
8718	181892.88	380889.90	67.0	65.9	-1.1
8719	181797.58	380920.29	64.5	63.3	-1.2
8720	181701.83	380949.17	66.8	65.2	-1.6
8721	181605.66	380976.55	67.3	65.1	-2.2
8722	181510.07	381006.02	67.6	66.3	-1.3
8723	181415.57	381038.81	68.0	66.7	-1.3
8724	181320.48	381069.85	68.0	66.7	-1.3
8725	181222.44	381083.12	68.4	67.1	-1.3
8726	181125.02	381092.86	69.2	67.9	-1.3
8727	181027.86	381116.24	68.9	67.6	-1.3
8728	180941.60	381156.81	65.6	64.3	-1.3
9064	180917.59	380973.79	67.2	65.8	-1.4
9065	181014.86	380981.90	69.1	67.7	-1.4
9066	181112.93	380962.49	69.1	67.8	-1.3
9067	181196.82	380917.90	67.1	65.7	-1.4
9068	181292.21	380896.86	67.6	66.2	-1.4
9069	181390.90	380880.70	67.8	66.5	-1.3
9070	181489.78	380865.59	67.7	66.3	-1.4
9071	181587.08	380843.21	67.1	65.4	-1.7
9072	181683.24	380815.61	66.6	65.3	-1.3
9073	181779.13	380787.10	66.7	65.6	-1.1
9074	181874.82	380757.95	66.9	65.8	-1.1
9075	181969.72	380726.32	67.0	66.0	-1.0
9076	182064.85	380695.36	67.5	66.4	-1.1
9077	182158.88	380661.23	67.4	66.4	-1.0
9078	182252.44	380625.82	67.8	66.7	-1.1
9079	182345.92	380590.20	67.9	66.8	-1.1
9080	182439.23	380554.14	68.0	66.9	-1.1
9081	182531.53	380515.55	67.8	66.7	-1.1
9082	182623.62	380476.48	67.7	66.6	-1.1
51076	196184.38	376710.87	68.0	66.7	-1.3
51077	196084.58	376712.97	67.4	66.1	-1.3
51078	195985.04	376722.84	66.7	65.4	-1.3
51079	195885.54	376733.07	66.8	65.5	-1.3
51080	195786.01	376743.10	67.1	65.9	-1.2
51081	195686.33	376751.48	67.6	66.3	-1.3
51082	195586.56	376758.67	67.9	66.7	-1.2
51083	195486.64	376763.25	68.0	66.7	-1.3

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
51084	195386.64	376765.57	67.4	66.1	-1.3
51085	195286.63	376767.34	67.6	66.3	-1.3
51086	195186.61	376765.85	67.3	66.1	-1.2
51087	195087.48	376762.56	66.1	64.9	-1.2
51088	194989.86	376760.34	66.7	65.4	-1.3
51089	194890.92	376756.04	66.6	65.3	-1.3
51090	194795.15	376751.15	66.2	64.9	-1.3
51091	194695.21	376747.29	66.4	65.2	-1.2
51092	194595.24	376743.87	67.3	66.1	-1.2
51093	194495.28	376740.12	67.7	66.5	-1.2
51094	194395.32	376736.38	68.4	67.1	-1.3
51095	194295.36	376732.62	68.7	67.4	-1.3
51096	194195.40	376728.86	68.6	67.3	-1.3
51097	194095.44	376725.10	68.6	67.4	-1.2
51098	193995.48	376721.34	68.0	66.7	-1.3
51099	193895.52	376717.58	67.6	66.3	-1.3
51100	193795.56	376713.83	67.2	66.0	-1.2
51101	193695.60	376710.09	66.9	65.6	-1.3
51102	193595.64	376706.33	66.7	65.4	-1.3
51103	193495.68	376702.57	66.7	65.4	-1.3
51104	193395.72	376698.82	67.0	65.8	-1.2
51105	193295.76	376695.05	68.0	66.7	-1.3
51106	193195.80	376691.33	68.1	66.9	-1.2
51107	193095.87	376687.31	68.3	67.0	-1.3
51108	192995.91	376683.52	68.6	67.3	-1.3
51109	192895.95	376679.88	69.6	68.3	-1.3
51110	192795.96	376676.90	70.1	68.7	-1.4
51111	192695.97	376673.92	70.2	68.9	-1.3
51112	192595.98	376671.50	70.4	69.0	-1.4
51113	192495.95	376671.50	70.2	68.8	-1.4
51114	192395.95	376673.69	70.2	68.9	-1.3
51115	192296.04	376678.66	70.2	68.9	-1.3
51116	192196.29	376686.00	70.1	68.8	-1.3
51117	192096.63	376694.53	70.2	68.8	-1.4
51118	191997.30	376706.20	70.8	69.4	-1.4
51119	191898.13	376719.12	70.3	69.0	-1.3
51120	191799.39	376735.18	70.2	68.8	-1.4
51121	191701.12	376753.65	70.1	68.8	-1.3
51122	191603.63	376776.06	69.7	68.4	-1.3
51123	191506.30	376799.14	69.4	68.1	-1.3
51124	191409.76	376826.01	68.5	67.2	-1.3
51125	191314.43	376850.44	68.4	67.1	-1.3
51126	191219.48	376879.58	68.0	66.8	-1.2
51127	191124.84	376911.83	68.0	66.7	-1.3
51128	191030.60	376945.35	67.7	66.4	-1.3
51129	190936.59	376979.55	67.6	66.4	-1.2

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
51130	190843.15	377015.26	68.0	66.7	-1.3
51131	190751.27	377054.68	67.7	66.4	-1.3
51132	190659.97	377095.56	68.0	66.7	-1.3
51133	190568.62	377136.32	68.2	66.9	-1.3
51134	190477.33	377177.22	68.4	67.2	-1.2
51135	190386.22	377218.50	68.4	67.2	-1.2
51136	190295.15	377259.88	68.5	67.3	-1.2
51137	190204.21	377301.55	68.8	67.5	-1.3
51138	190113.41	377343.52	69.1	67.8	-1.3
51139	190022.61	377385.49	69.1	67.8	-1.3
51140	189931.50	377426.79	69.3	68.0	-1.3
51141	189840.39	377468.07	69.3	68.0	-1.3
51142	189749.27	377509.36	69.2	67.9	-1.3
51143	189658.16	377550.65	69.3	68.0	-1.3
51144	189567.05	377591.94	69.4	68.2	-1.2
51145	189475.94	377633.24	69.3	68.0	-1.3
51146	189384.83	377674.53	69.5	68.2	-1.3
51147	189293.72	377715.81	69.6	68.2	-1.4
51148	189202.60	377757.09	69.5	68.2	-1.3
51149	189111.54	377798.50	69.4	68.1	-1.3
51150	189020.54	377840.03	69.4	68.1	-1.3
51151	188929.53	377881.55	69.4	68.1	-1.3
51152	188838.52	377923.06	69.3	68.0	-1.3
51153	188747.43	377964.39	69.4	68.1	-1.3
51154	188656.20	378005.41	69.5	68.2	-1.3
51155	188566.62	378049.75	69.1	67.8	-1.3
51156	188479.39	378098.71	68.2	66.9	-1.3
51157	188400.77	378160.34	66.3	65.0	-1.3
51158	188329.18	378230.17	64.5	63.2	-1.3
51159	188246.55	378284.08	63.7	62.4	-1.3
51160	188147.40	378284.82	65.4	64.2	-1.2
51161	188050.40	378286.31	67.2	65.9	-1.3
51162	187953.78	378312.15	67.7	66.4	-1.3
51163	187856.95	378337.09	68.5	67.3	-1.2
51164	187761.65	378367.15	68.9	67.7	-1.2
51165	187668.66	378404.01	68.8	67.6	-1.2
51166	187575.40	378440.19	68.7	67.6	-1.1
51167	187482.11	378476.30	68.6	67.5	-1.1
51168	187388.83	378512.41	68.4	67.3	-1.1
51169	187295.53	378548.49	68.2	67.1	-1.1
51170	187202.25	378584.61	67.8	66.8	-1.0
51171	187109.14	378621.15	67.7	66.7	-1.0
51172	187015.92	378657.43	67.6	66.5	-1.1
51173	186922.64	378693.53	67.6	66.5	-1.1
51174	186829.41	378729.79	67.4	66.4	-1.0
51175	186736.12	378765.89	67.2	66.1	-1.1

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
51176	186642.83	378801.99	67.3	66.2	-1.1
51177	186549.54	378838.09	67.7	66.6	-1.1
51178	186456.25	378874.18	68.1	67.0	-1.1
51179	186362.95	378910.27	68.5	67.4	-1.1
51180	186269.67	378946.38	68.7	67.6	-1.1
51181	186176.53	378982.87	68.9	67.8	-1.1
51182	186083.49	379019.60	68.8	67.7	-1.1
51183	185990.41	379056.24	69.2	68.1	-1.1
51184	185897.33	379092.81	69.1	68.0	-1.1
51185	185804.21	379129.37	68.8	67.7	-1.1
51186	185710.93	379165.49	68.8	67.7	-1.1
51187	185617.64	379201.57	68.8	67.7	-1.1
51188	185524.35	379237.69	68.9	67.8	-1.1
51189	185431.32	379274.44	68.4	67.3	-1.1
51190	185338.11	379310.75	68.5	67.4	-1.1
51191	185244.90	379347.04	68.2	67.2	-1.0
51192	185152.14	379384.42	68.3	67.2	-1.1
51193	185059.83	379422.95	67.9	66.9	-1.0
51194	184968.58	379463.91	67.3	66.2	-1.1
51195	184877.46	379505.19	66.9	65.8	-1.1
51196	184786.23	379547.96	67.1	66.0	-1.1
51197	184697.12	379591.14	66.8	65.7	-1.1
51198	184604.55	379639.90	66.5	65.5	-1.0
51199	184517.00	379682.21	67.0	65.9	-1.1
51200	184433.23	379724.55	68.0	66.9	-1.1
51201	184345.91	379769.16	68.8	67.7	-1.1
51202	184256.68	379814.37	69.6	68.5	-1.1
51203	184167.40	379859.47	69.7	68.6	-1.1
51204	184078.12	379904.59	69.4	68.3	-1.1
51205	183988.78	379949.59	69.6	68.5	-1.1
51206	183899.43	379994.57	69.7	68.6	-1.1
51207	183810.29	380039.95	69.8	68.6	-1.2
51208	183721.17	380085.39	69.1	68.0	-1.1
51209	183632.06	380130.83	69.2	68.1	-1.1
51210	183542.94	380176.26	69.0	67.9	-1.1
51211	183453.82	380221.70	68.7	67.6	-1.1
51212	183364.44	380266.60	68.4	67.3	-1.1
51213	183275.20	380311.79	68.4	67.3	-1.1
51214	183186.14	380357.34	68.3	67.2	-1.1
51215	183097.00	380402.73	68.3	67.3	-1.0
51216	183007.51	380447.42	68.4	67.3	-1.1
51217	182916.99	380489.97	68.3	67.2	-1.1
51218	182826.33	380532.26	68.2	67.1	-1.1
51219	182735.15	380573.38	67.9	66.8	-1.1
51220	182715.45	380436.79	67.9	66.8	-1.1
51221	182806.66	380395.72	68.1	67.1	-1.0

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
51222	182897.36	380353.51	68.4	67.3	-1.1
51223	182987.01	380309.12	68.1	67.1	-1.0
51224	183076.12	380263.65	68.1	67.0	-1.1
51225	183165.47	380218.65	68.1	67.0	-1.1
51226	183254.87	380173.75	68.3	67.2	-1.1
51227	183344.35	380129.02	68.4	67.4	-1.0
51228	183433.83	380084.28	68.7	67.7	-1.0
51229	183523.17	380039.28	69.0	67.9	-1.1
51230	183612.41	379994.05	69.3	68.2	-1.1
51231	183701.64	379948.83	69.7	68.6	-1.1
51232	183790.87	379903.59	69.9	68.8	-1.1
51233	183880.10	379858.37	69.8	68.7	-1.1
51234	183969.34	379813.15	69.8	68.7	-1.1
51235	184058.88	379768.54	69.8	68.7	-1.1
51236	184148.21	379723.51	69.7	68.6	-1.1
51237	184237.20	379677.81	69.2	68.1	-1.1
51238	184326.13	379631.99	68.4	67.3	-1.1
51239	184409.92	379589.94	67.7	66.7	-1.0
51240	184490.99	379549.55	67.0	65.9	-1.1
51241	184578.42	379506.04	66.8	65.8	-1.0
51242	184670.19	379461.40	66.7	65.7	-1.0
51243	184759.21	379414.61	66.8	65.7	-1.1
51244	184851.07	379372.38	66.9	65.9	-1.0
51245	184942.20	379331.11	67.3	66.2	-1.1
51246	185034.32	379292.15	68.0	66.9	-1.1
51247	185126.90	379254.24	68.2	67.2	-1.0
51248	185219.66	379216.82	68.3	67.3	-1.0
51249	185312.98	379180.76	68.6	67.5	-1.1
51250	185406.29	379144.70	68.7	67.6	-1.1
51251	185499.48	379108.32	68.7	67.6	-1.1
51252	185592.68	379071.96	68.7	67.6	-1.1
51253	185685.87	379035.59	68.8	67.7	-1.1
51254	185779.06	378999.21	68.8	67.7	-1.1
51255	185872.26	378962.84	69.1	68.0	-1.1
51256	185965.67	378927.04	69.2	68.1	-1.1
51257	186059.00	378891.01	68.9	67.8	-1.1
51258	186152.28	378854.86	68.9	67.8	-1.1
51259	186245.41	378818.33	68.6	67.6	-1.0
51260	186338.54	378781.79	68.3	67.2	-1.1
51261	186431.67	378745.27	67.9	66.9	-1.0
51262	186524.80	378708.74	67.5	66.4	-1.1
51263	186617.93	378672.21	66.7	65.6	-1.1
51264	186711.26	378636.18	66.4	65.4	-1.0
51265	186804.66	378600.34	67.2	66.1	-1.1
51266	186898.06	378564.51	67.6	66.5	-1.1
51267	186991.45	378528.65	67.5	66.4	-1.1

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
51268	187084.79	378492.66	67.3	66.3	-1.0
51269	187177.85	378455.96	67.9	66.8	-1.1
51270	187270.98	378419.44	68.0	66.9	-1.1
51271	187364.12	378382.93	68.3	67.2	-1.1
51272	187457.22	378346.32	68.4	67.3	-1.1
51273	187550.24	378309.50	68.7	67.6	-1.1
51274	187641.43	378268.59	68.2	67.0	-1.2
51275	187730.79	378223.64	67.7	66.4	-1.3
51276	187817.27	378173.35	66.7	65.4	-1.3
51277	187901.68	378119.68	65.3	64.0	-1.3
51278	187983.91	378062.73	64.8	63.6	-1.2
51279	188065.27	378005.01	64.0	62.8	-1.2
51280	188163.02	377992.09	65.1	63.8	-1.3
51281	188261.01	377999.67	67.4	66.1	-1.3
51282	188356.50	377969.87	67.8	66.5	-1.3
51283	188451.55	377938.70	68.3	66.9	-1.4
51284	188546.39	377906.86	69.1	67.8	-1.3
51285	188638.79	377868.80	69.4	68.1	-1.3
51286	188729.97	377827.66	69.2	67.8	-1.4
51287	188821.16	377786.51	69.3	68.0	-1.3
51288	188912.35	377745.38	69.3	68.0	-1.3
51289	189003.53	377704.22	69.4	68.0	-1.4
51290	189094.71	377663.07	69.4	68.1	-1.3
51291	189185.90	377621.92	69.5	68.1	-1.4
51292	189277.09	377580.78	69.4	68.1	-1.3
51293	189368.28	377539.65	69.5	68.2	-1.3
51294	189459.47	377498.51	69.5	68.2	-1.3
51295	189550.63	377457.31	69.5	68.1	-1.4
51296	189641.80	377416.13	69.4	68.1	-1.3
51297	189732.97	377374.95	69.4	68.0	-1.4
51298	189824.14	377333.75	69.3	67.9	-1.4
51299	189915.30	377292.56	69.2	67.8	-1.4
51300	190006.11	377250.61	69.1	67.8	-1.3
51301	190096.16	377207.04	69.0	67.6	-1.4
51302	190186.85	377164.83	68.7	67.3	-1.4
51303	190277.98	377123.55	68.5	67.2	-1.3
51304	190369.11	377082.29	68.4	67.1	-1.3
51305	190460.25	377041.02	68.4	67.1	-1.3
51306	190551.37	376999.75	68.2	66.9	-1.3
51307	190642.73	376958.98	68.0	66.7	-1.3
51308	190734.19	376918.46	67.4	66.1	-1.3
51309	190826.54	376880.00	67.4	66.1	-1.3
51310	190919.74	376843.66	67.5	66.2	-1.3
51311	191013.16	376807.88	67.8	66.5	-1.3
51312	191107.88	376775.69	68.1	66.8	-1.3
51313	191203.33	376745.93	68.3	67.0	-1.3

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
51314	191299.42	376718.18	68.5	67.2	-1.3
51315	191396.07	376692.36	69.0	67.7	-1.3
51316	191493.29	376668.78	69.5	68.2	-1.3
51317	191591.05	376647.58	69.8	68.4	-1.4
51318	191689.39	376629.33	70.0	68.7	-1.3
51319	191788.04	376612.71	70.1	68.8	-1.3
51320	191886.87	376597.19	70.7	69.3	-1.4
51321	191986.06	376584.49	70.8	69.4	-1.4
51322	192085.54	376574.16	70.1	68.8	-1.3
51323	192185.23	376565.80	70.2	68.8	-1.4
51324	192284.95	376557.85	70.0	68.7	-1.3
51325	192384.81	376552.20	70.3	69.0	-1.3
51326	192484.83	376550.50	70.3	69.0	-1.3
51327	192584.86	376550.50	70.4	69.0	-1.4
51328	192684.88	376551.83	70.1	68.8	-1.3
51329	192784.85	376555.52	70.2	68.8	-1.4
51330	192884.83	376558.96	69.5	68.1	-1.4
51331	192984.84	376561.39	68.4	67.1	-1.3
51332	193084.82	376564.89	67.9	66.6	-1.3
51333	193184.82	376567.27	67.9	66.7	-1.2
51334	193284.77	376571.39	68.1	66.8	-1.3
51335	193384.73	376575.52	67.2	65.9	-1.3
51336	193484.68	376579.64	66.8	65.5	-1.3
51337	193584.64	376583.59	66.5	65.2	-1.3
51338	193684.62	376587.16	66.7	65.4	-1.3
51339	193784.59	376590.72	67.0	65.7	-1.3
51340	193884.57	376594.29	67.5	66.2	-1.3
51341	193984.54	376597.85	67.5	66.2	-1.3
51342	194084.52	376601.40	68.5	67.2	-1.3
51343	194184.50	376604.97	68.7	67.3	-1.4
51344	194284.47	376608.53	68.7	67.4	-1.3
51345	194384.45	376612.10	68.6	67.2	-1.4
51346	194484.42	376615.66	68.0	66.7	-1.3
51347	194584.39	376619.52	67.2	65.9	-1.3
51348	194684.34	376623.68	66.6	65.3	-1.3
51349	194784.30	376627.81	66.3	65.0	-1.3
51350	194884.25	376631.13	66.5	65.2	-1.3
51351	194984.24	376633.99	66.6	65.3	-1.3
51352	195084.20	376637.98	67.0	65.7	-1.3
51353	195184.16	376641.89	66.8	65.5	-1.3
51354	195284.18	376643.24	64.0	62.7	-1.3
51355	195384.22	376642.35	65.8	64.6	-1.2
51356	195484.23	376640.23	67.5	66.2	-1.3
51357	195584.14	376635.15	67.9	66.6	-1.3
51358	195683.89	376627.74	67.6	66.3	-1.3
51359	195783.49	376618.40	67.1	65.8	-1.3

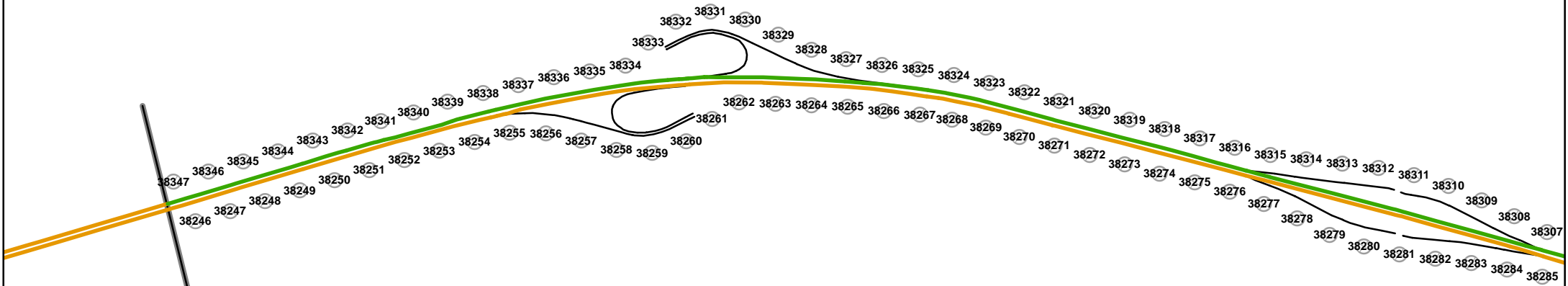
Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
51360	195883.08	376608.88	66.8	65.4	-1.4
51361	195982.57	376598.44	66.8	65.4	-1.4
51362	196082.19	376589.69	67.3	66.0	-1.3
51363	196181.20	376575.50	67.9	66.5	-1.4

Bijlage 20

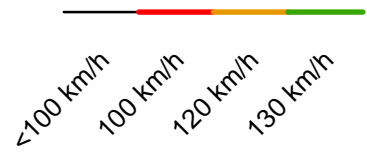
Titel	Traject A67 knp. Zaarderheiken - Duitse grens
Omvang	12 pagina's
Bron	Silence / GIS
Toelichting	Uitgangspunten en resultaten van de toetsing op referentiepunten



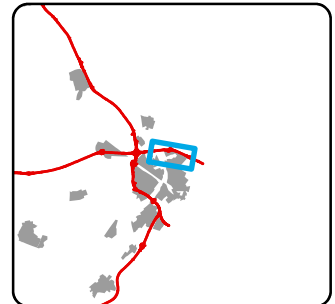
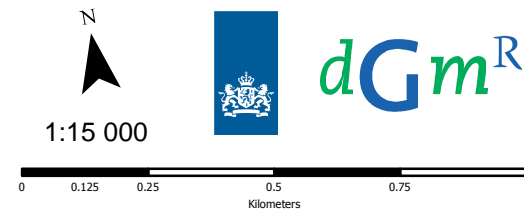
A67 knp. Zaarderheiken - Duitse grens

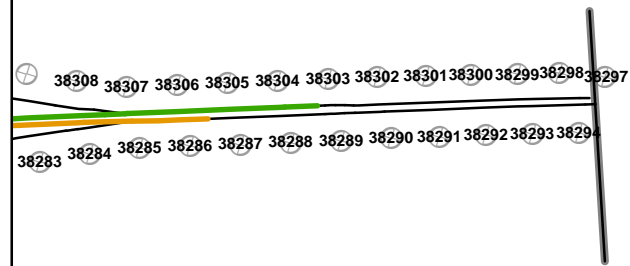
Legenda

Snelheidsbeeld na snelheidsverhoging



- Onderzoeksgrens
- ⊗ Referentiepunt



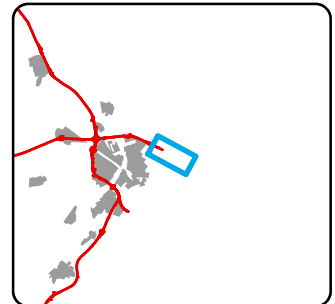
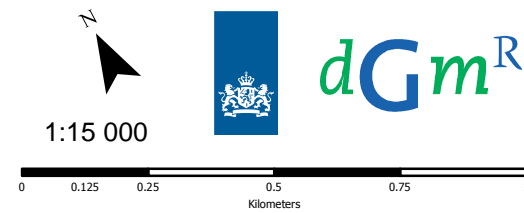
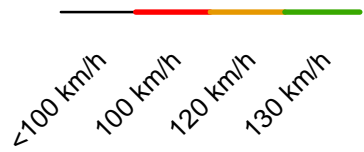


A67 knp. Zaarderheiken - Duitse grens

Legenda

Snelheidsbeeld na snelheidsverhoging

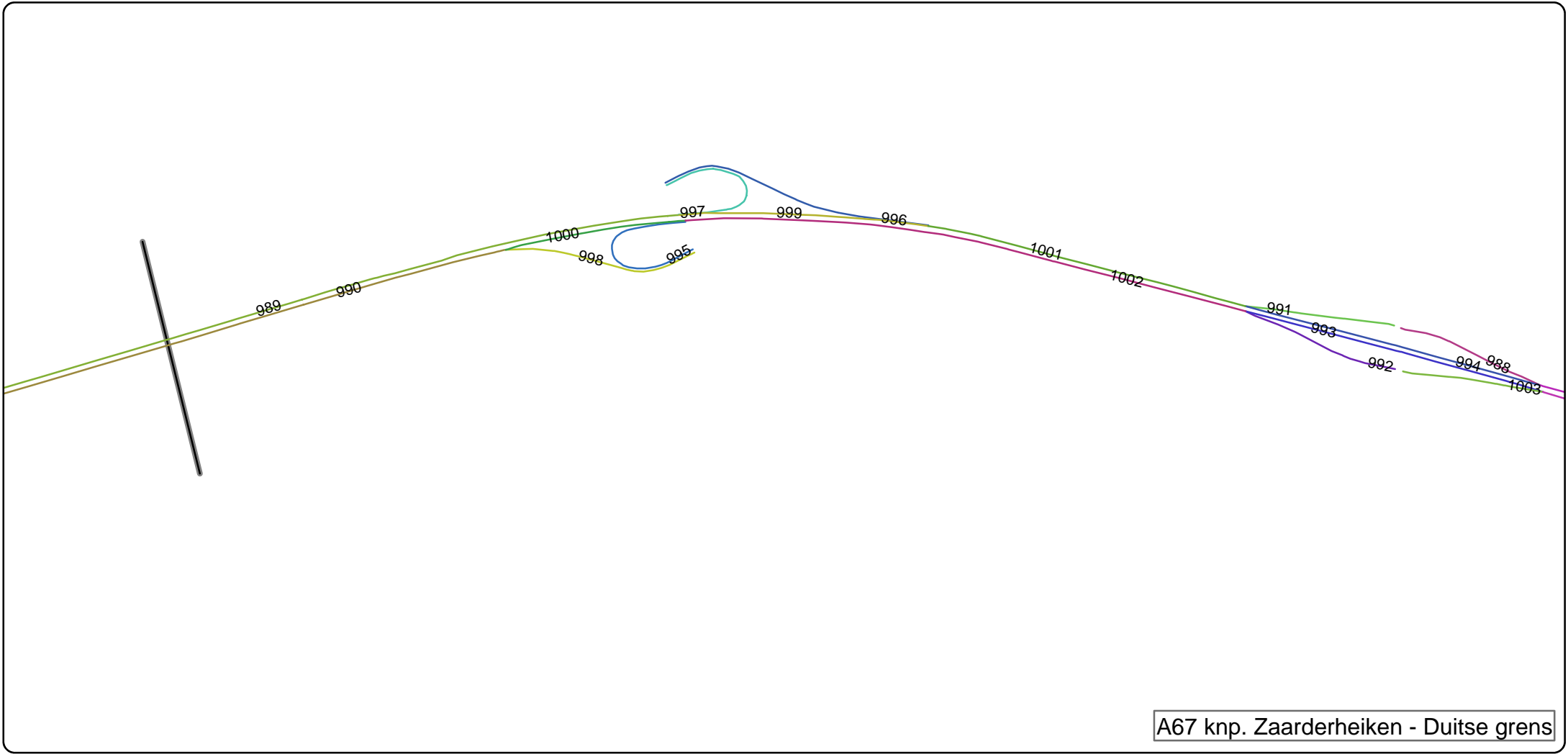
- Onderzoeksgrens
- ⊗ Referentiepunt



Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Uurintensiteiten

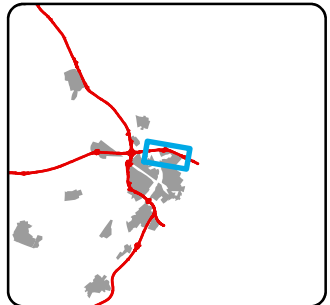
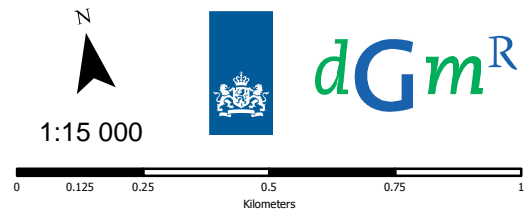
peiljaar 2016									
ID	Dag			Avond			Nacht		
	Lichte mvt.	middelzware	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.
988	119.0	5.0	5.0	40.0	1.0	2.0	14.0	1.0	2.0
989	1340.0	139.0	291.0	638.0	48.0	129.0	253.0	38.0	121.0
990	1389.0	136.0	314.0	673.0	55.0	160.0	251.0	36.0	116.0
991	328.0	14.0	17.0	143.0	4.0	8.0	63.0	3.0	6.0
992	405.0	11.0	20.0	204.0	4.0	13.0	74.0	3.0	8.0
993	446.0	96.0	268.0	259.0	43.0	137.0	103.0	28.0	100.0
994	489.0	90.0	242.0	285.0	38.0	110.0	113.0	31.0	110.0
995	54.0	2.0	2.0	35.0	-	1.0	13.0	-	1.0
996	56.0	4.0	4.0	31.0	1.0	1.0	11.0	1.0	2.0
997	578.0	38.0	36.0	241.0	8.0	12.0	88.0	5.0	6.0
998	592.0	32.0	28.0	244.0	8.0	11.0	86.0	6.0	8.0
999	761.0	100.0	255.0	397.0	40.0	117.0	165.0	33.0	115.0
1000	797.0	105.0	286.0	428.0	47.0	149.0	164.0	30.0	108.0
1001	817.0	104.0	259.0	428.0	41.0	118.0	176.0	33.0	117.0
1002	851.0	107.0	288.0	463.0	48.0	150.0	178.0	31.0	108.0
1003	97.0	7.0	8.0	37.0	2.0	3.0	13.0	1.0	3.0
1004	543.0	103.0	276.0	296.0	45.0	140.0	116.0	29.0	103.0
1005	607.0	94.0	247.0	325.0	39.0	112.0	127.0	32.0	112.0
48	-	-	-	-	-	-	-	-	-



A67 knp. Zaarderheiken - Duitse grens

Legenda

— Onderzoeksgrens





A67 knp. Zaarderheiken - Duitse grens

Legenda

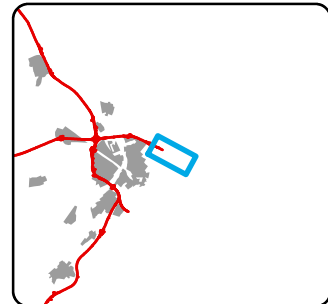
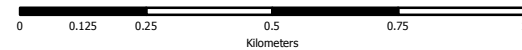
— Onderzoeksgrens



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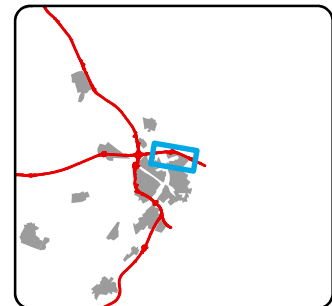
A67 knp. Zaarderheiken - Duitse grens

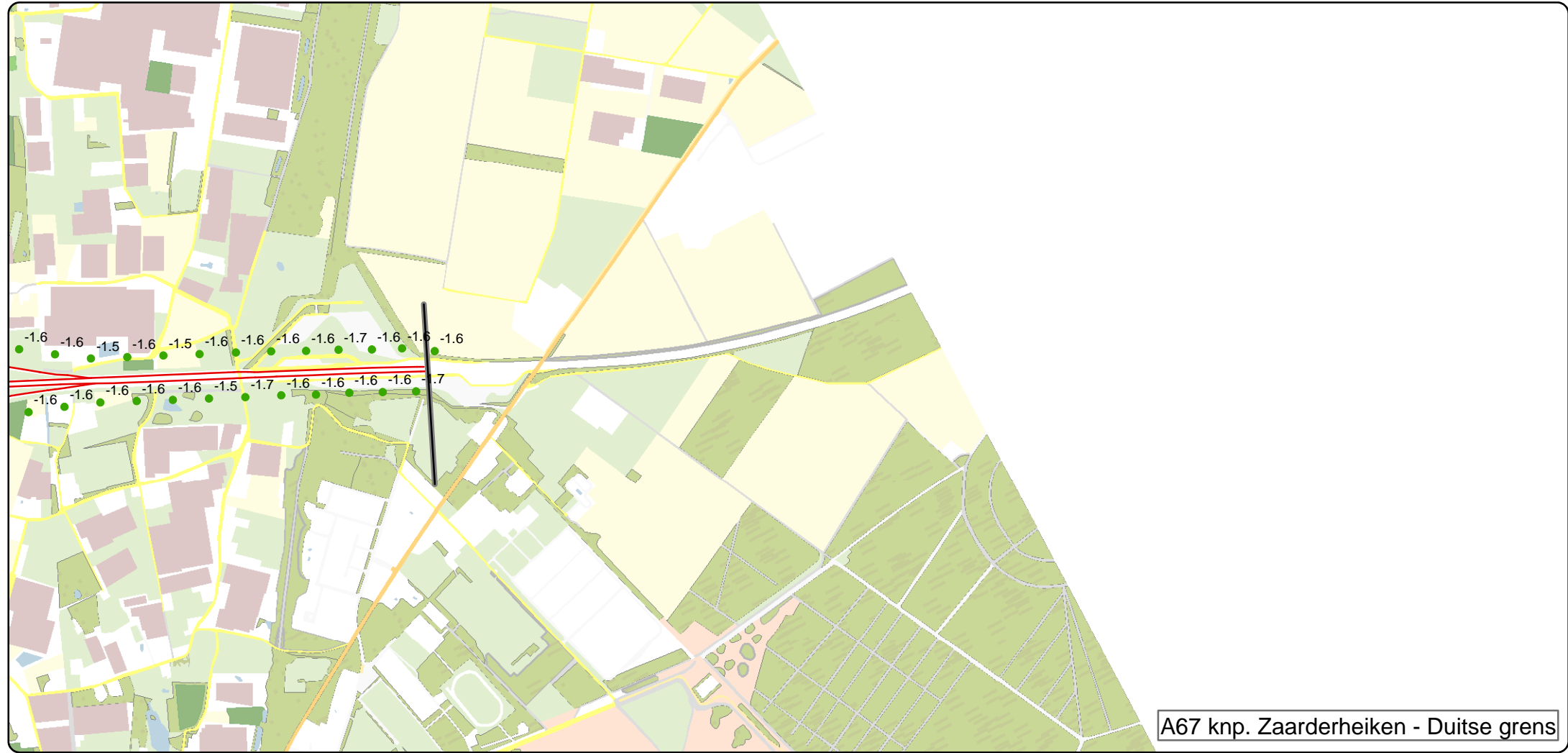
Legenda
Verskil met GPP

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GGP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

— Onderzoeksgrens
— Rijkswegen

N
1:15 000
0 0.125 0.25 0.5 0.75 1
Kilometers

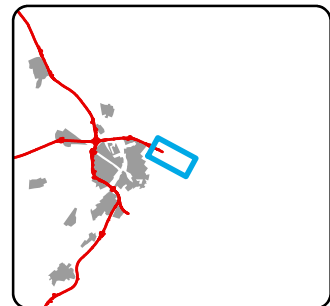
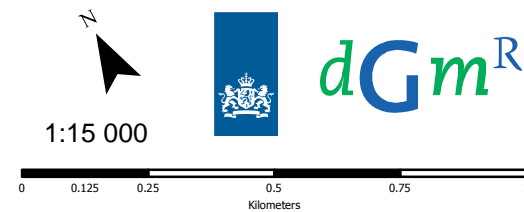


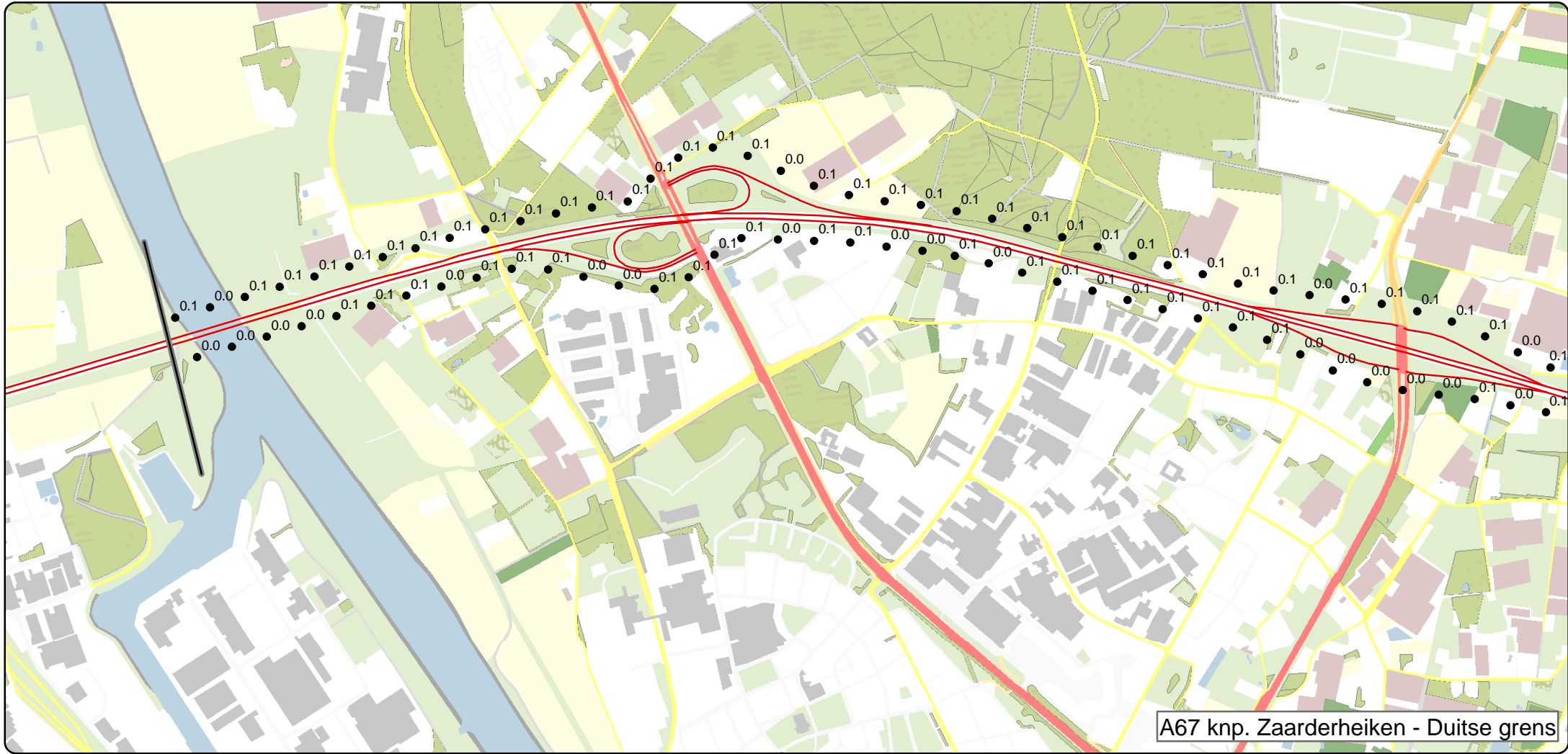


**Legenda
Verschil met GPP**

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GGP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

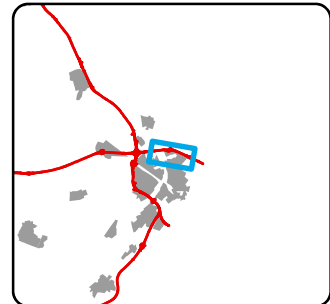
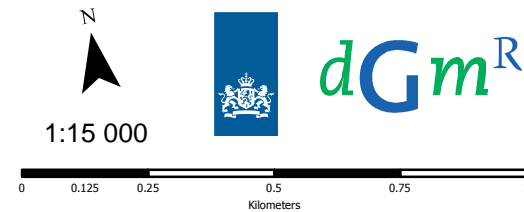
- Onderzoeksgrens
- Rijkswegen





Legenda

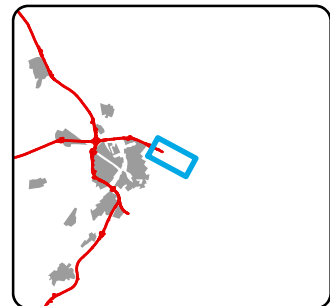
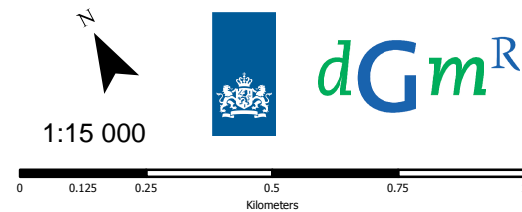
- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen





Legenda

- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen



Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
38246	208248.71	378674.47	67.3	65.2	-2.1
38247	208348.07	378685.82	67.0	64.8	-2.2
38248	208447.43	378697.08	69.2	67.1	-2.1
38249	208546.81	378708.27	69.6	67.5	-2.1
38250	208646.18	378719.46	70.4	68.3	-2.1
38251	208745.55	378730.65	70.7	68.7	-2.0
38252	208844.96	378741.52	70.8	68.7	-2.1
38253	208944.66	378749.26	70.8	68.7	-2.1
38254	209044.36	378756.99	71.1	69.0	-2.1
38255	209144.07	378764.44	71.3	69.1	-2.2
38256	209242.17	378745.20	69.4	67.1	-2.3
38257	209334.69	378707.97	67.6	65.1	-2.5
38258	209426.11	378667.46	66.7	64.0	-2.7
38259	209521.14	378641.04	65.6	62.9	-2.7
38260	209619.37	378656.50	65.6	63.0	-2.6
38261	209700.62	378705.60	67.7	65.2	-2.5
38262	209781.66	378737.75	70.4	67.9	-2.5
38263	209879.41	378716.64	70.2	67.6	-2.6
38264	209977.15	378695.52	70.1	67.6	-2.5
38265	210074.76	378673.86	70.2	67.6	-2.6
38266	210170.63	378645.40	69.3	66.7	-2.6
38267	210266.37	378616.59	68.0	65.4	-2.6
38268	210351.60	378587.84	67.0	64.5	-2.5
38269	210440.22	378551.36	66.4	63.8	-2.6
38270	210526.00	378509.63	66.3	63.8	-2.5
38271	210616.99	378468.18	66.0	63.5	-2.5
38272	210707.90	378426.52	66.2	63.7	-2.5
38273	210798.82	378384.86	66.6	64.1	-2.5
38274	210889.73	378343.20	67.0	64.5	-2.5
38275	210980.64	378301.54	67.6	65.1	-2.5
38276	211071.55	378259.88	67.7	65.3	-2.4
38277	211158.03	378210.08	66.1	64.1	-2.0
38278	211241.15	378154.59	65.2	63.1	-2.1
38279	211321.68	378095.51	64.5	62.2	-2.3
38280	211409.11	378047.14	62.7	60.1	-2.6
38281	211501.42	378008.68	63.3	61.2	-2.1
38282	211596.89	377979.39	62.2	60.4	-1.8
38283	211692.44	377950.07	65.7	64.1	-1.6
38284	211786.55	377916.28	67.4	65.8	-1.6
38285	211879.71	377880.18	68.6	67.0	-1.6
38286	211969.71	377836.60	68.6	67.0	-1.6
38287	212059.72	377793.01	67.6	66.0	-1.6
38288	212149.72	377749.43	67.5	66.0	-1.5
38289	212239.73	377705.84	67.2	65.5	-1.7
38290	212329.76	377663.23	66.1	64.5	-1.6
38291	212415.14	377620.35	64.1	62.5	-1.6

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
38292	212498.76	377581.68	64.5	62.9	-1.6
38293	212581.11	377539.56	63.4	61.8	-1.6
38294	212663.39	377498.49	61.7	60.0	-1.7
38297	212761.10	377572.42	60.8	59.2	-1.6
38298	212684.76	377621.31	64.1	62.5	-1.6
38299	212609.95	377657.68	64.8	63.2	-1.6
38300	212528.25	377700.22	65.2	63.5	-1.7
38301	212447.65	377739.85	66.4	64.8	-1.6
38302	212362.11	377783.62	67.6	66.0	-1.6
38303	212274.33	377826.71	66.9	65.3	-1.6
38304	212184.10	377869.82	67.9	66.3	-1.6
38305	212093.93	377913.06	68.2	66.7	-1.5
38306	212003.77	377956.30	68.0	66.4	-1.6
38307	211913.60	377999.55	68.5	67.0	-1.5
38308	211831.65	378056.65	66.7	65.1	-1.6
38309	211750.63	378115.27	64.6	63.0	-1.6
38310	211667.77	378171.05	61.7	59.8	-1.9
38311	211578.66	378216.09	59.7	57.4	-2.3
38312	211485.76	378252.70	61.7	58.6	-3.1
38313	211390.13	378281.96	64.8	62.1	-2.7
38314	211294.51	378311.22	65.7	63.3	-2.4
38315	211198.88	378340.47	66.5	64.3	-2.2
38316	211105.96	378376.83	67.7	65.2	-2.5
38317	211015.17	378418.77	68.1	65.5	-2.6
38318	210924.39	378460.71	67.6	65.0	-2.6
38319	210833.61	378502.65	67.4	64.8	-2.6
38320	210742.83	378544.58	67.4	64.8	-2.6
38321	210652.04	378586.52	66.4	63.8	-2.6
38322	210561.26	378628.46	66.2	63.6	-2.6
38323	210470.48	378670.40	67.1	64.5	-2.6
38324	210377.82	378707.76	67.2	64.6	-2.6
38325	210283.76	378741.72	68.4	65.8	-2.6
38326	210187.60	378769.16	69.8	67.1	-2.7
38327	210093.79	378802.95	69.6	67.0	-2.6
38328	210003.17	378845.24	67.9	65.2	-2.7
38329	209920.44	378901.39	66.3	63.5	-2.8
38330	209837.94	378957.90	66.0	63.0	-3.0
38331	209747.07	378997.49	65.3	62.3	-3.0
38332	209648.66	378985.96	66.0	63.2	-2.8
38333	209563.77	378942.72	67.4	64.9	-2.5
38334	209490.65	378891.86	71.1	68.8	-2.3
38335	209390.65	378892.55	71.3	69.0	-2.3
38336	209290.65	378893.25	71.1	68.9	-2.2
38337	209190.76	378889.69	71.1	68.8	-2.3
38338	209090.93	378883.84	71.0	68.8	-2.2
38339	208990.52	378877.83	71.2	69.0	-2.2

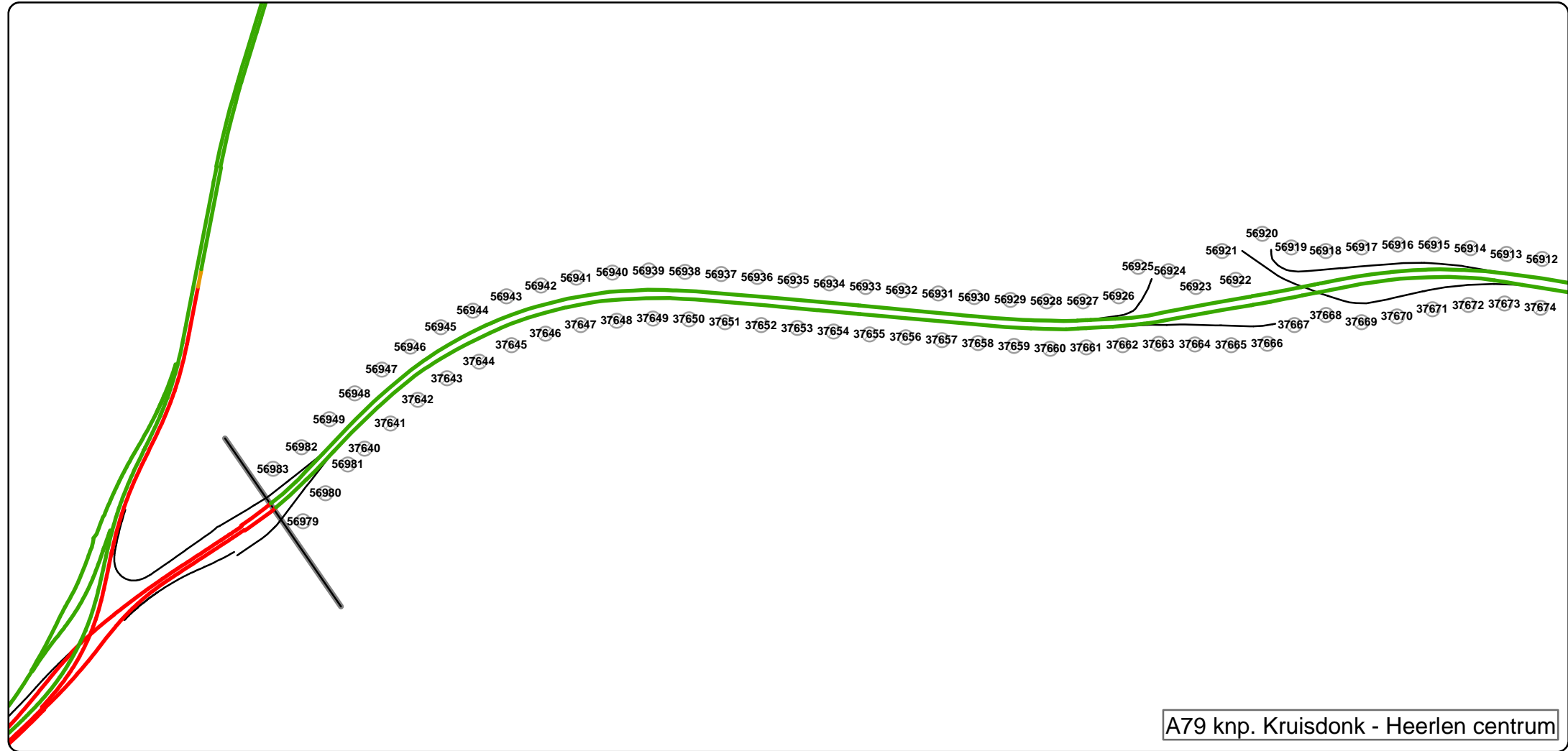
Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
38340	208893.16	378866.18	69.4	67.3	-2.1
38341	208800.01	378857.69	70.7	68.6	-2.1
38342	208704.86	378848.54	70.8	68.7	-2.1
38343	208605.49	378837.30	69.8	67.7	-2.1
38344	208506.13	378826.05	69.6	67.4	-2.2
38345	208406.76	378814.80	69.4	67.2	-2.2
38346	208307.39	378803.56	66.5	64.3	-2.2
38347	208208.02	378792.31	66.9	64.7	-2.2

Bijlage 21

Titel	Traject A79 knp. Kruisdonk - Heerlen centrum
Omvang	25 pagina's
Bron	Silence / GIS
Toelichting	Uitgangspunten en resultaten van de toetsing op referentiepunten



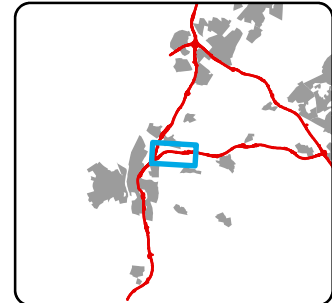
A79 knp. Kruisdonk - Heerlen centrum

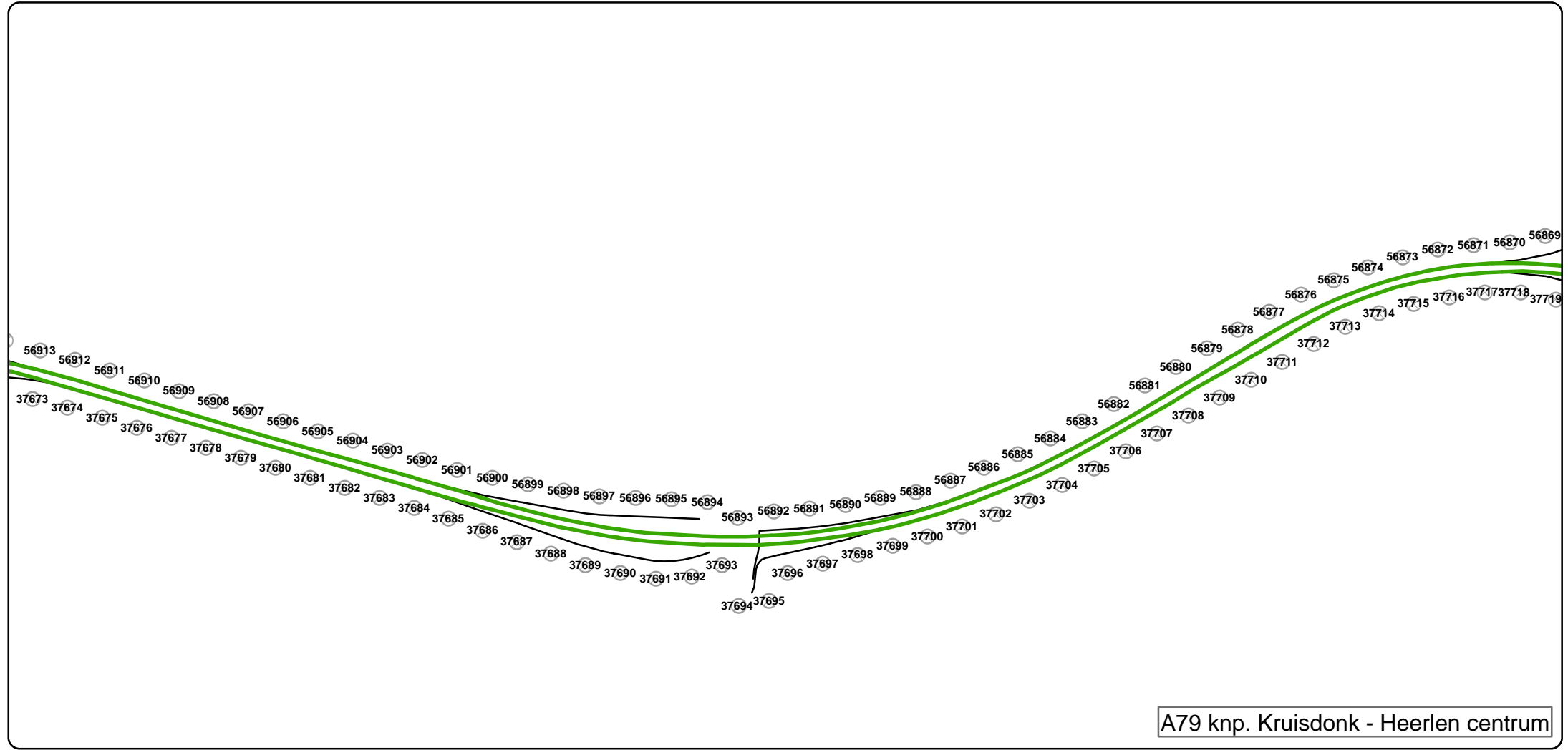
Legenda

Snelheidsbeeld na snelheidsverhoging

- <100 km/h
 - 100 km/h
 - 120 km/h
 - 130 km/h
- Onderzoeksgrens
- Referentiepunt

N
 1:15 000
 0 0.125 0.25 0.5 0.75 1
 Kilometers





A79 knp. Kruisdonk - Heerlen centrum

Legenda

Snelheidsbeeld na snelheidsverhoging

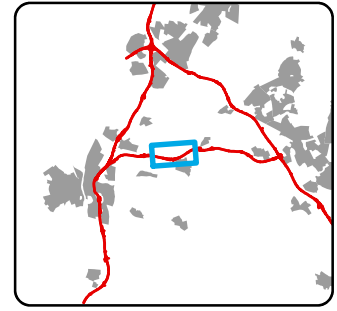
- Onderzoeksgrens
- ⊗ Referentiepunt

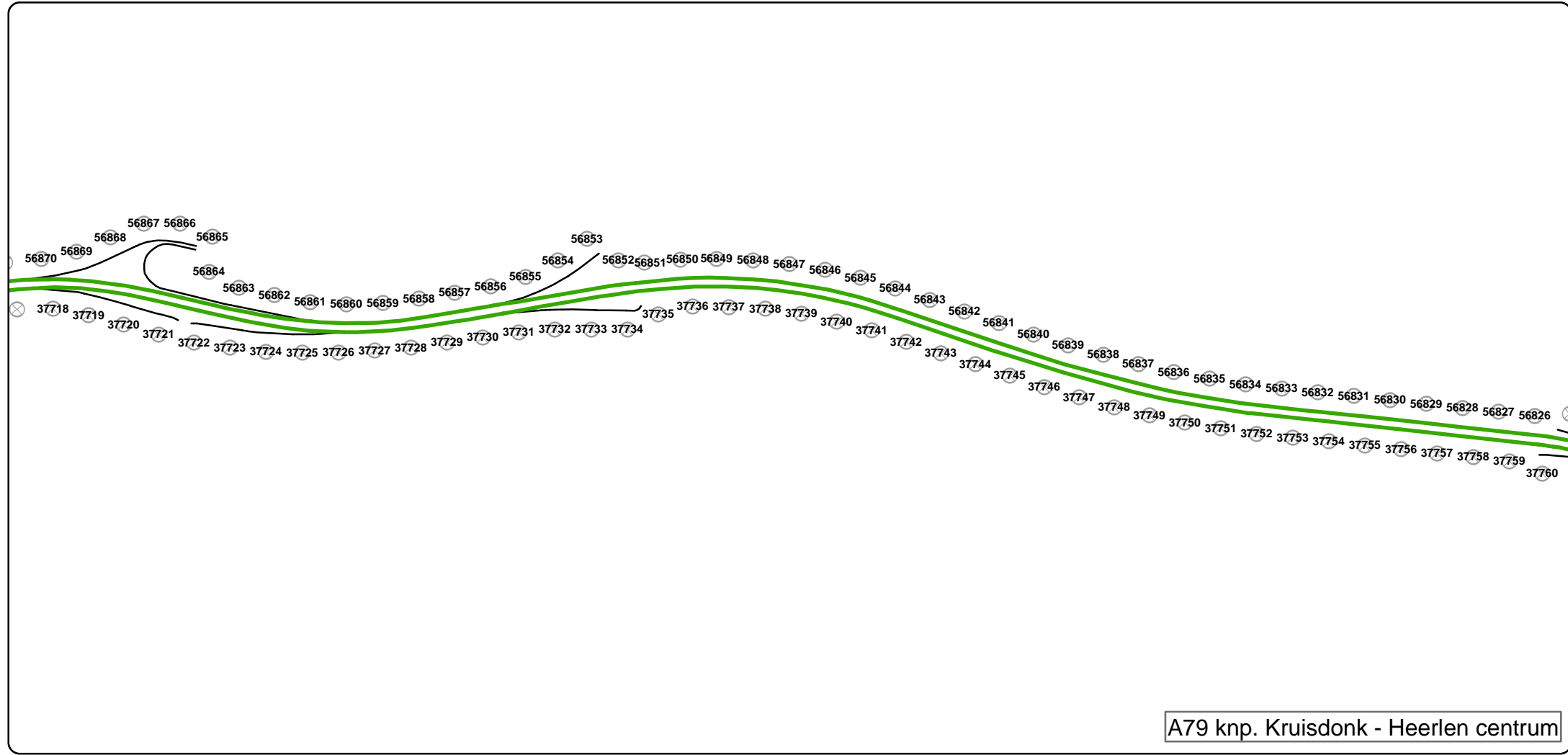
<100 km/h
 100 km/h
 120 km/h
 130 km/h

N

1:15 000

Kilometers





Legenda

Snelheidsbeeld na snelheidsverhoging

— Onderzoeksgrens

⊗ Referentiepunt

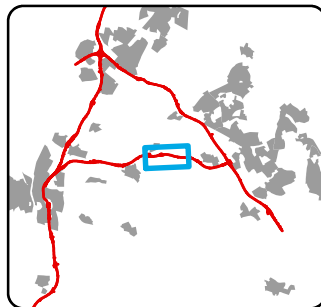
<100 km/h
 100 km/h
 120 km/h
 130 km/h

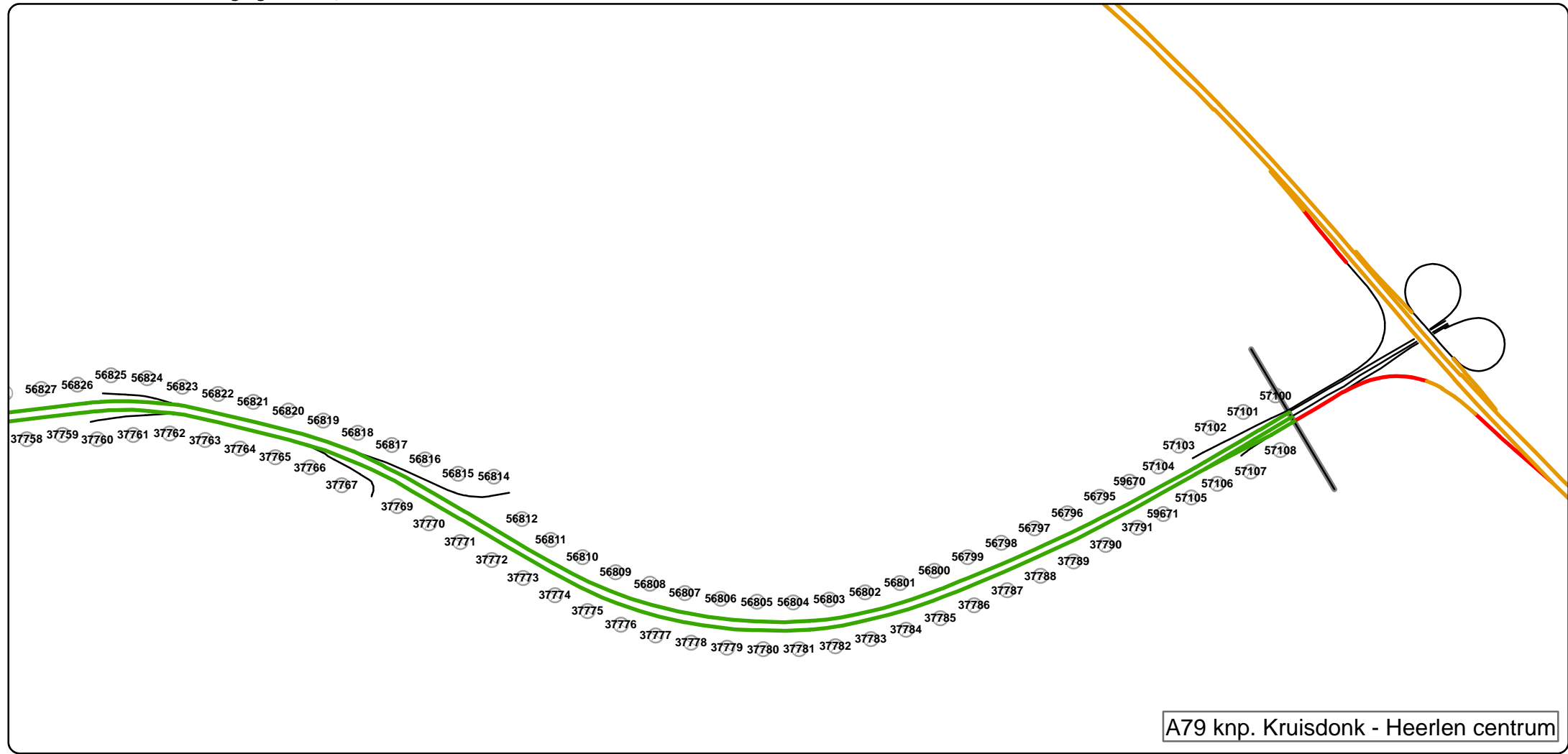
N

1:15 000

Kilometers

dGm^R





Legenda

Snelheidsbeeld na snelheidsverhoging

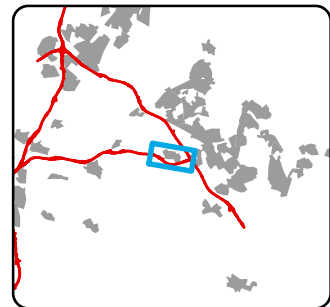
- <100 km/h, 100 km/h, 120 km/h, 130 km/h
- Onderzoeksgrens
- Referentiepunt

N

1:15 000

0 0.125 0.25 0.5 0.75 1
Kilometers

dGm^R



Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

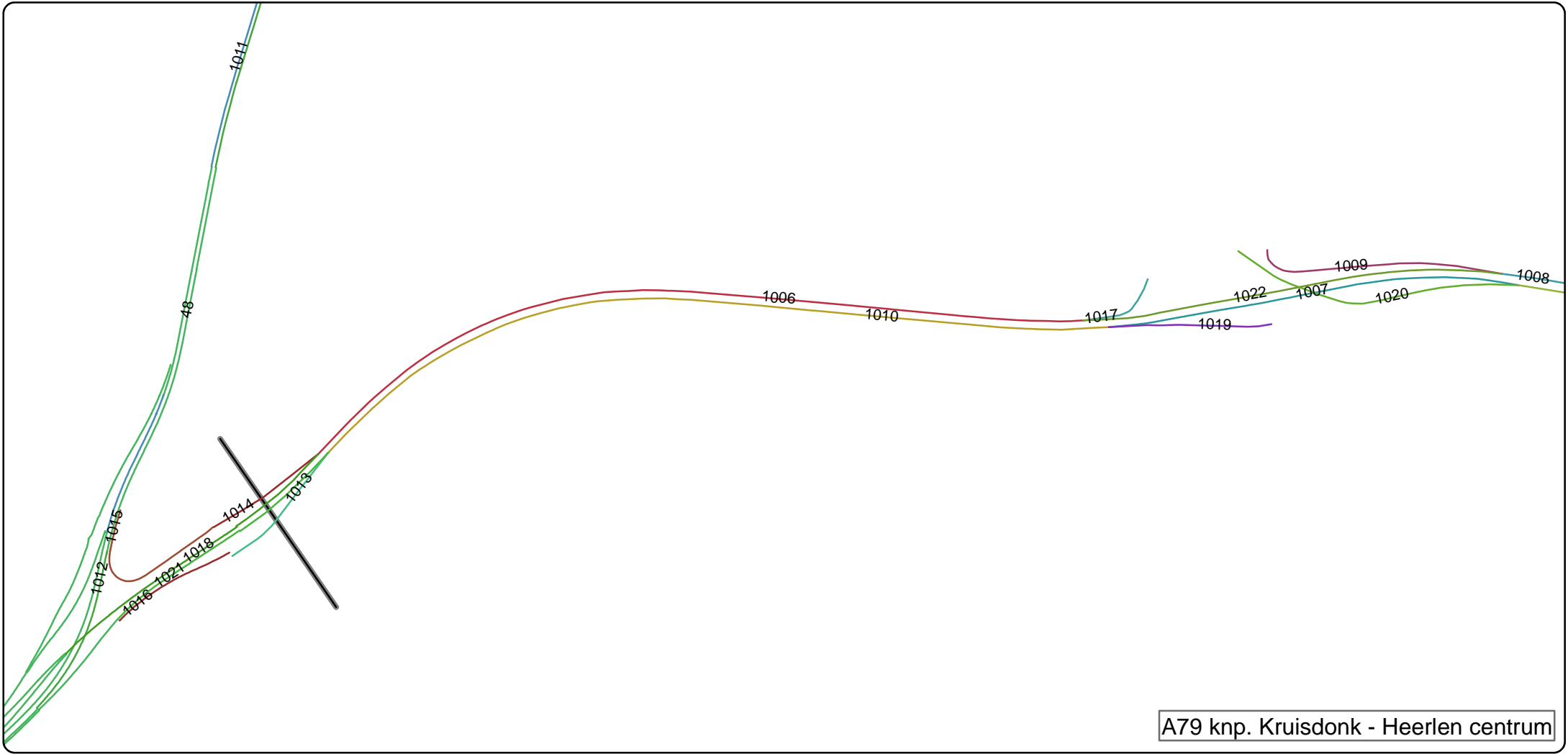
Uurintensiteiten

ID	peiljaar 2016								
	Dag			Avond			Nacht		
	Lichte mvt.	middelzware	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.
1006	1 035.0	55.0	29.0	485.0	11.0	8.0	169.0	9.0	8.0
1007	1 052.0	61.0	32.0	469.0	12.0	8.0	128.0	8.0	9.0
1008	1 073.0	56.0	30.0	487.0	11.0	8.0	171.0	9.0	8.0
1009	110.3	6.3	0.6	46.4	1.2	0.6	9.8	0.4	0.1
1010	1 133.0	61.0	32.0	511.0	12.0	8.0	140.0	8.0	9.0
1011	1 193.0	84.0	110.0	675.0	18.0	45.0	207.0	20.0	48.0
1012	1 322.0	84.0	125.0	704.0	23.0	47.0	215.0	14.0	42.0
1013	164.3	17.8	13.8	75.6	3.6	4.4	20.8	2.3	2.6
1014	192.0	24.5	9.2	90.4	5.2	1.7	43.4	4.0	2.6
1015	48.5	11.6	6.8	21.7	1.8	1.7	6.0	1.4	1.8
1016	563.5	35.0	22.0	259.4	6.3	4.4	62.6	5.0	4.2
1017	62.3	4.0	1.7	42.3	0.8	2.9	11.2	0.1	0.4
1018	729.0	37.0	20.0	333.0	8.0	5.0	112.0	6.0	6.0
1019	77.2	3.6	3.8	45.4	2.0	2.9	11.6	0.4	0.6
1020	82.5	3.3	0.8	32.9	0.5	0.3	7.2	0.1	0.8
1021	950.0	52.0	28.0	454.0	10.0	7.0	125.0	6.0	8.0
1022	957.0	53.0	28.0	452.0	11.0	7.0	159.0	9.0	7.0
1023	1 012.0	52.0	26.0	426.0	10.0	6.0	124.0	7.0	7.0
1024	1 038.0	52.0	27.0	461.0	10.0	7.0	159.0	8.0	7.0
1025	106.3	14.4	4.8	57.5	3.5	1.6	26.5	2.3	1.4
1026	1 133.0	62.0	33.0	494.0	12.0	8.0	136.0	8.0	9.0
1027	122.2	3.0	2.6	63.9	0.8	0.8	21.3	0.6	0.8
1028	169.4	2.7	1.3	100.9	0.7	0.5	23.2	0.3	0.3
1029	181.7	20.5	11.6	97.8	5.0	4.1	22.9	2.3	2.4
1030	25.2	0.2	0.3	10.7	0.1	0.2	5.6	0.0	0.1
1031	769.0	44.0	22.0	319.0	8.0	5.0	99.0	6.0	6.0
1032	830.0	42.0	21.0	356.0	8.0	5.0	120.0	7.0	5.0
1033	890.0	50.0	25.0	372.0	10.0	6.0	107.0	6.0	7.0
1034	903.0	49.0	25.0	407.0	10.0	6.0	143.0	8.0	6.0
1035	91.9	2.4	0.8	51.2	0.6	0.2	22.7	0.4	0.2
1036	1 016.0	50.0	27.0	460.0	10.0	7.0	147.0	8.0	7.0
1037	168.2	6.5	12.3	79.4	2.8	5.7	25.2	0.8	1.9
1038	18.4	1.1	0.5	9.7	0.3	0.2	4.2	0.2	0.1
1039	193.2	6.9	11.9	111.7	3.8	8.1	43.7	1.3	2.7
1040	22.1	1.0	0.6	13.8	0.3	0.3	5.2	0.2	0.2
1041	845.0	53.0	29.0	380.0	11.0	7.0	132.0	7.0	8.0
1042	924.0	55.0	30.0	407.0	11.0	8.0	136.0	7.0	9.0
1043	995.0	50.0	27.0	452.0	10.0	7.0	144.0	8.0	7.0
1044	101.4	18.0	14.9	3.0	0.8	0.5	4.4	0.9	1.0
1045	101.4	1.0	2.9	53.9	0.7	1.8	22.3	0.3	1.0
1046	106.2	4.2	13.3	42.1	2.2	7.1	19.2	1.0	3.3
1047	1 086.0	51.0	28.0	500.0	10.0	7.0	156.0	8.0	8.0
1048	1 095.0	45.0	25.0	501.0	9.0	6.0	150.0	7.0	7.0
1049	120.4	6.0	9.3	52.9	1.7	4.2	18.4	1.3	2.9

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Uurintensiteiten

ID	peiljaar 2016								
	Dag			Avond			Nacht		
	Lichte mvt.	middelzware	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.	Lichte mvt.	middelzware mvt.	zware mvt.
1050	122.3	4.8	15.4	48.4	2.6	8.2	22.1	1.2	3.8
1051	124.6	5.6	20.7	52.6	3.0	11.1	20.3	1.2	4.3
1052	185.0	13.0	11.0	89.0	3.0	2.0	36.0	2.0	4.0
1053	188.0	29.0	13.0	161.0	5.0	3.0	82.0	4.0	3.0
1054	193.9	5.5	20.7	81.6	3.0	11.1	31.7	1.2	4.3
1055	195.0	10.0	8.0	96.0	3.0	2.0	24.0	2.0	3.0
1056	211.0	19.0	13.0	95.0	4.0	3.0	49.0	3.0	4.0
1057	263.0	5.5	20.8	111.1	3.0	11.1	42.9	1.2	4.3
1058	318.0	10.0	8.0	113.0	2.0	2.0	40.0	1.0	2.0
1059	358.0	18.0	15.0	161.0	4.0	4.0	49.0	3.0	4.0
1060	399.0	47.0	26.0	255.0	9.0	6.0	131.0	6.0	7.0
1061	47.4	0.9	1.4	22.4	0.4	0.8	7.3	0.1	0.4
1062	503.0	23.0	19.0	202.0	5.0	4.0	76.0	4.0	6.0
1063	55.3	1.6	1.3	23.9	0.4	0.7	6.5	0.2	0.3
1064	608.5	25.0	15.5	274.5	5.0	4.0	83.5	4.0	4.0
1065	650.0	61.0	142.0	362.0	24.0	58.0	108.0	20.0	68.0
1066	667.0	71.0	159.0	332.0	23.0	70.0	107.0	15.0	47.0
1067	74.7	3.0	1.5	40.0	0.8	0.7	8.6	0.3	0.2
1068	790.0	76.0	165.0	380.0	23.0	72.0	124.0	16.0	48.0
1069	80.0	1.0	-	34.0	-	-	9.0	-	-
1070	814.0	69.0	149.0	428.0	25.0	60.0	133.0	21.0	69.0
1071	845.0	71.0	150.0	458.0	27.0	61.0	132.0	22.0	70.0
1072	852.0	84.0	170.0	422.0	26.0	73.0	143.0	17.0	51.0
1073	862.0	54.0	30.0	396.0	11.0	8.0	148.0	8.0	9.0
1074	900.0	35.0	16.0	405.0	6.0	4.0	125.0	5.0	4.0
1075	968.0	41.0	21.0	436.0	8.0	5.0	135.0	7.0	6.0
1076	98.6	6.3	3.7	44.3	1.7	1.5	12.8	0.7	0.5

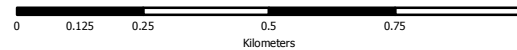


Legenda

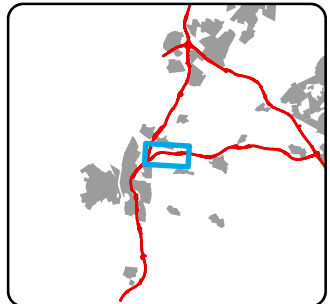
— Onderzoeksgrens

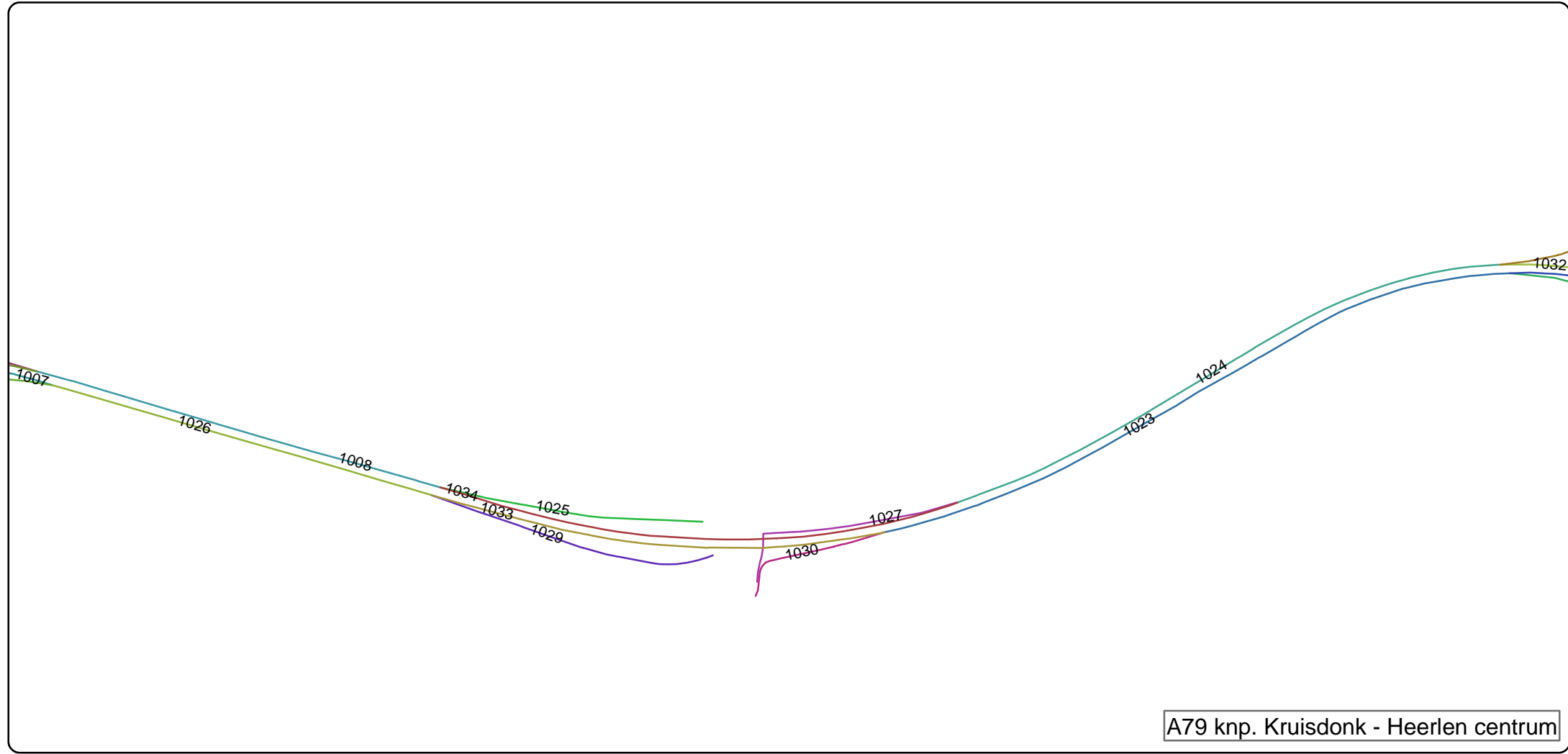


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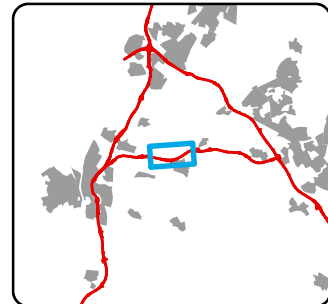
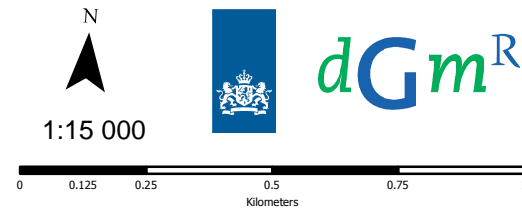
dGm^R

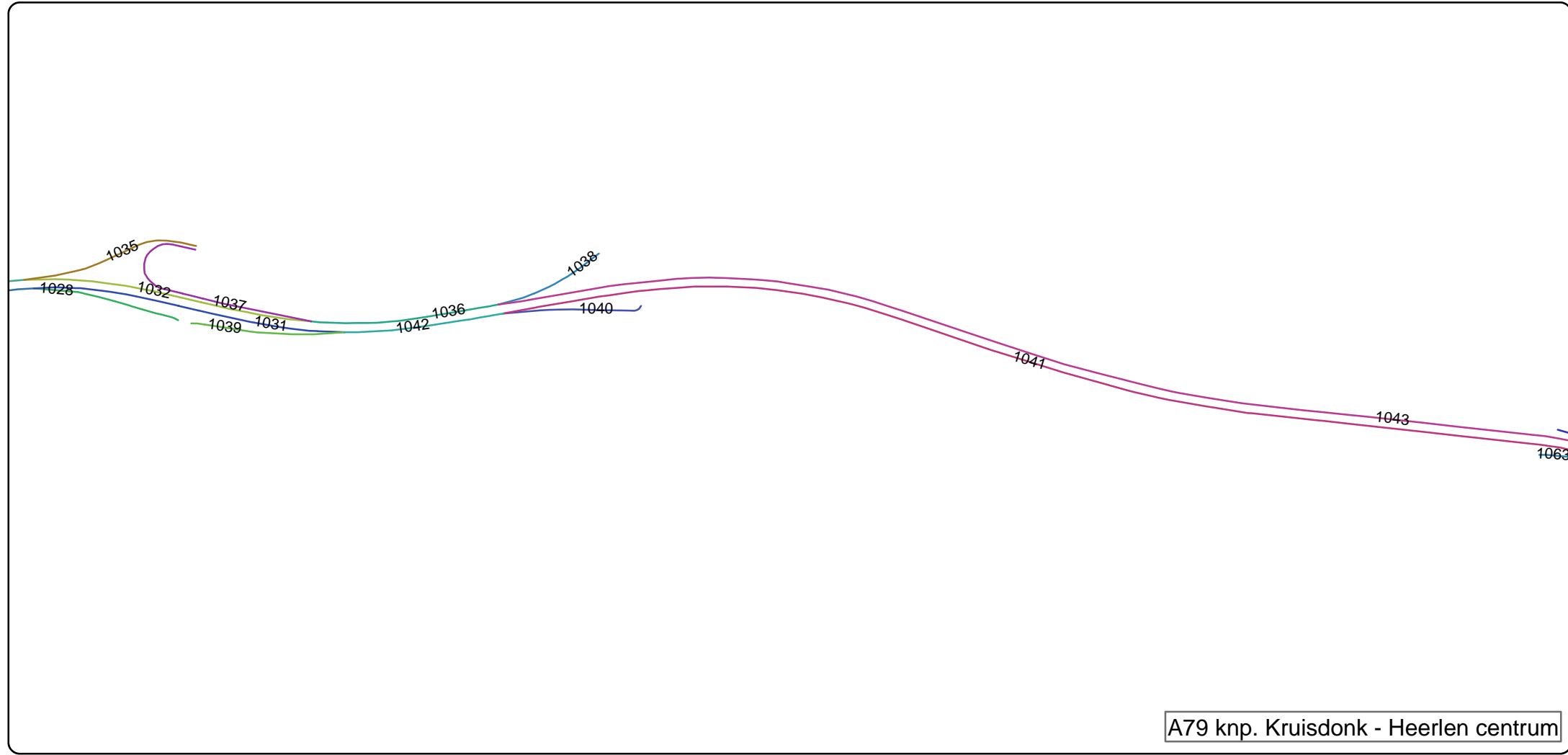




Legenda

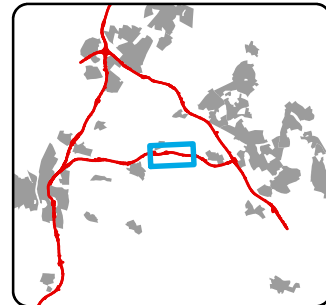
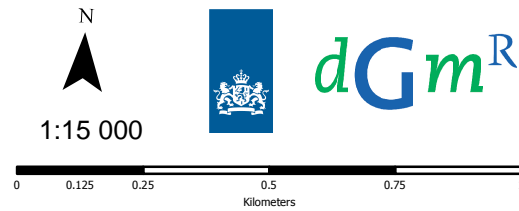
— Onderzoeksgrens

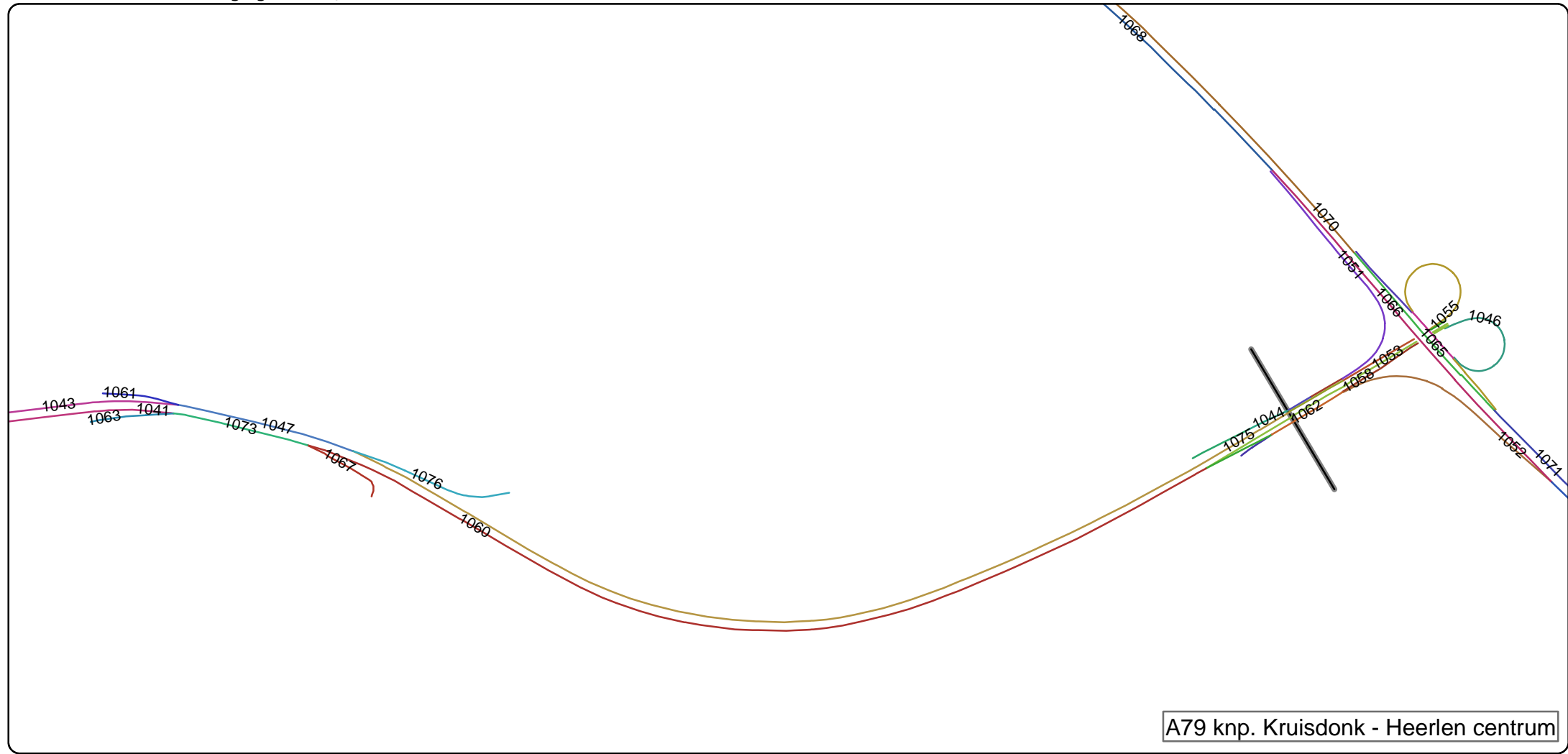




Legenda

— Onderzoeksgrens



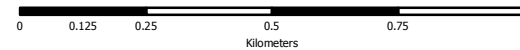


Legenda

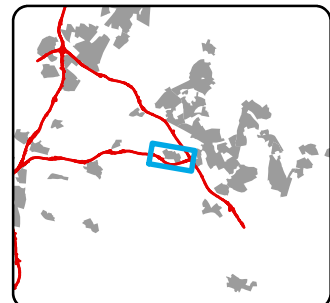
— Onderzoeksgrens



1:15 000



dGm^R

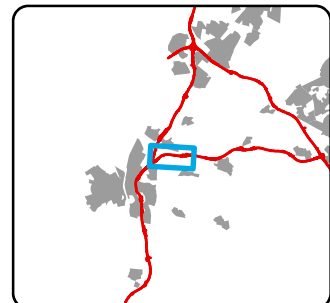
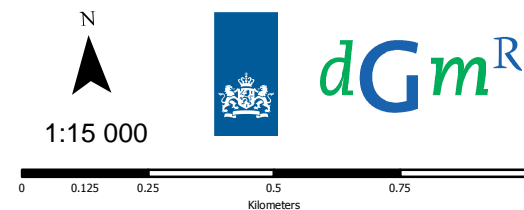


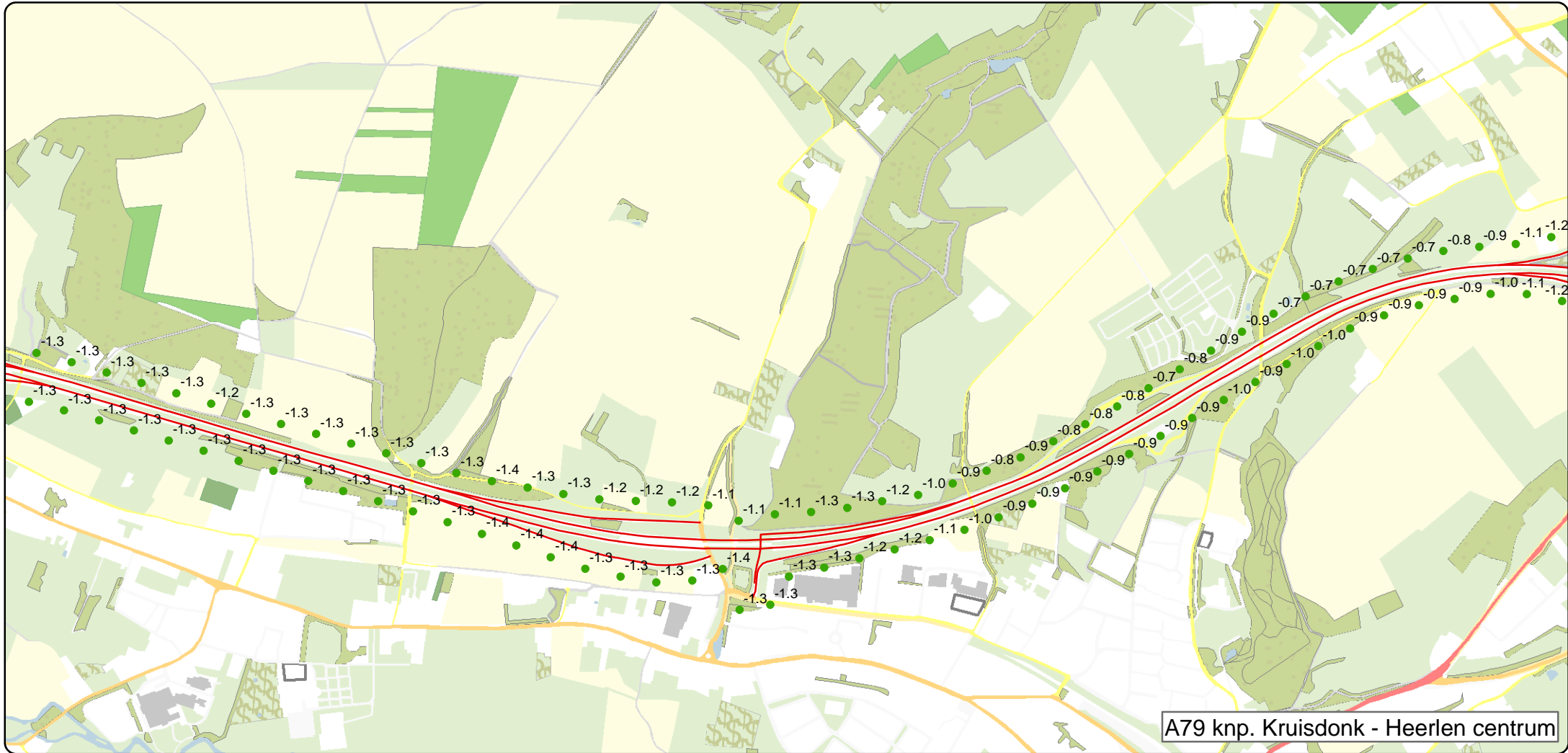


**Legenda
Verschil met GPP**

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GGP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

- Onderzoeksgrens
- Rijkswegen

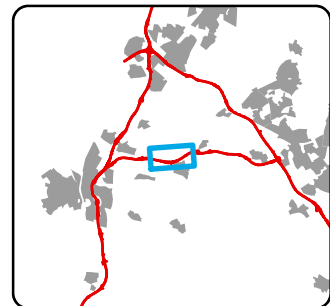
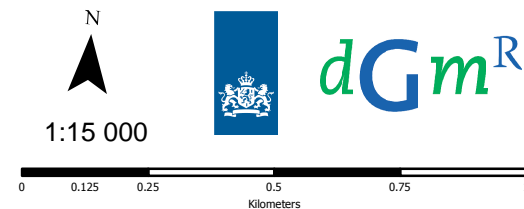


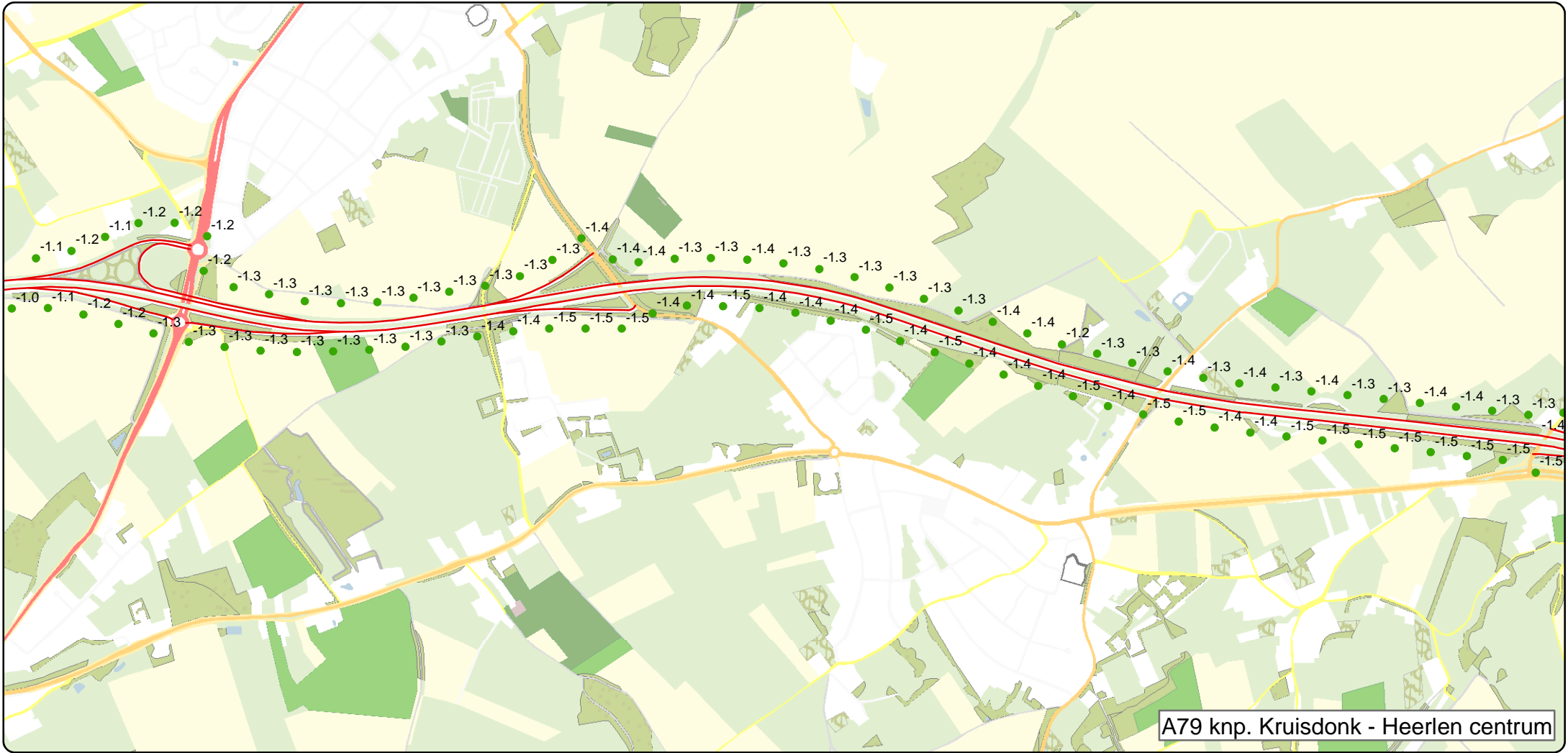


**Legenda
Verschil met GPP**

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GPP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

- Onderzoeksgrens
- Rijkswegen



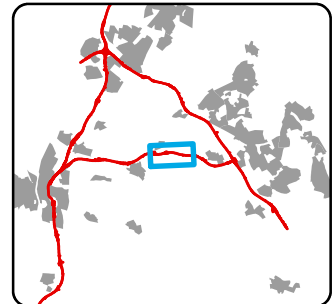
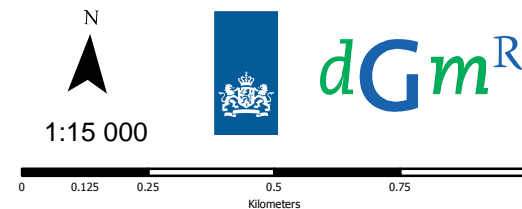


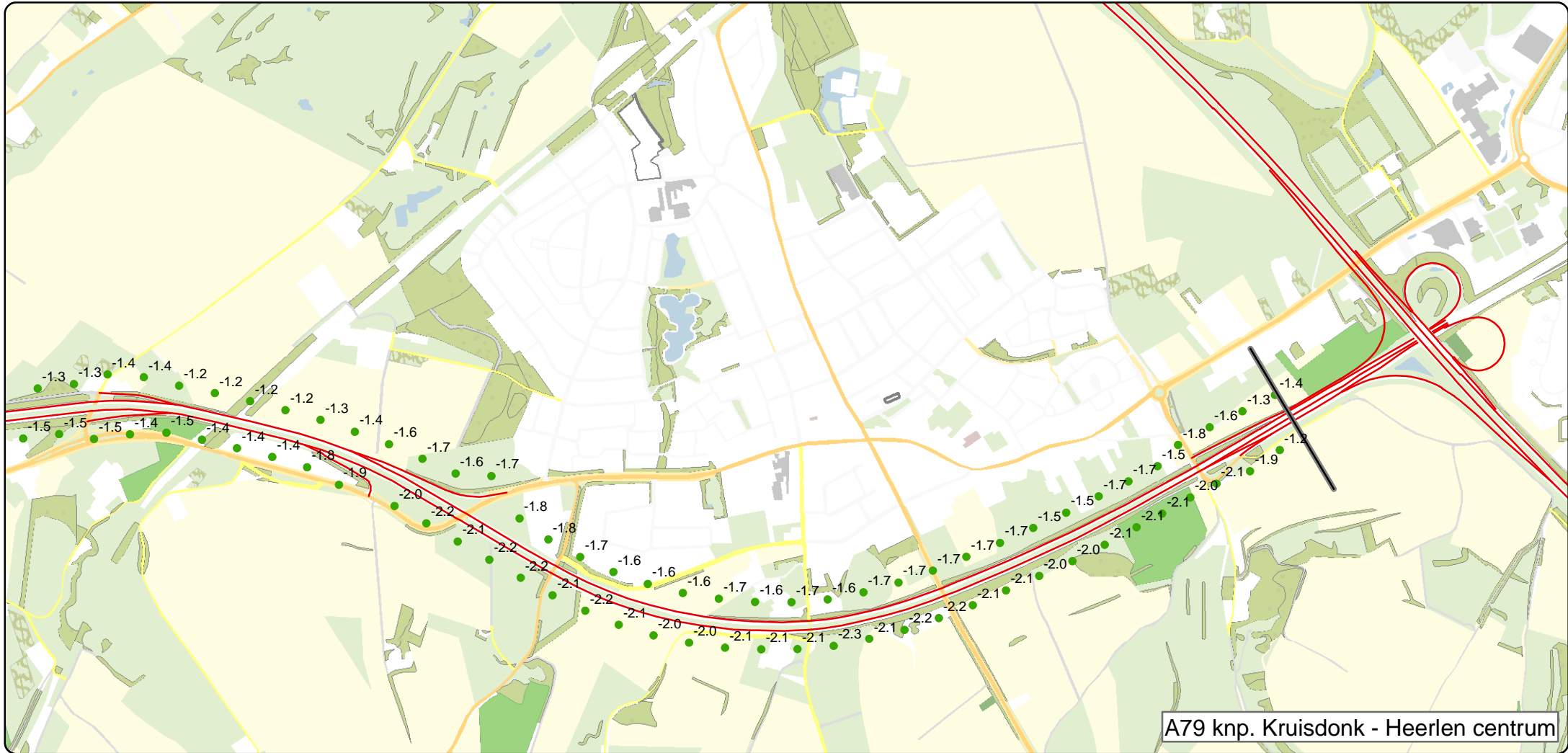
A79 knp. Kruisdonk - Heerlen centrum

**Legenda
Verschil met GPP**

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GGP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

- Onderzoeksgrens
- Rijkswegen

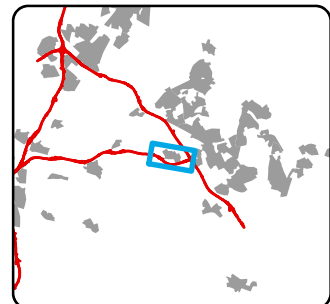
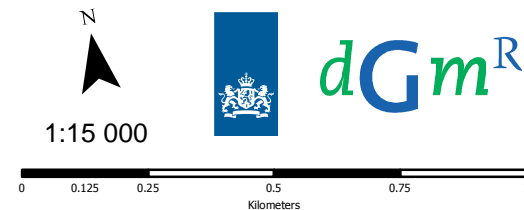


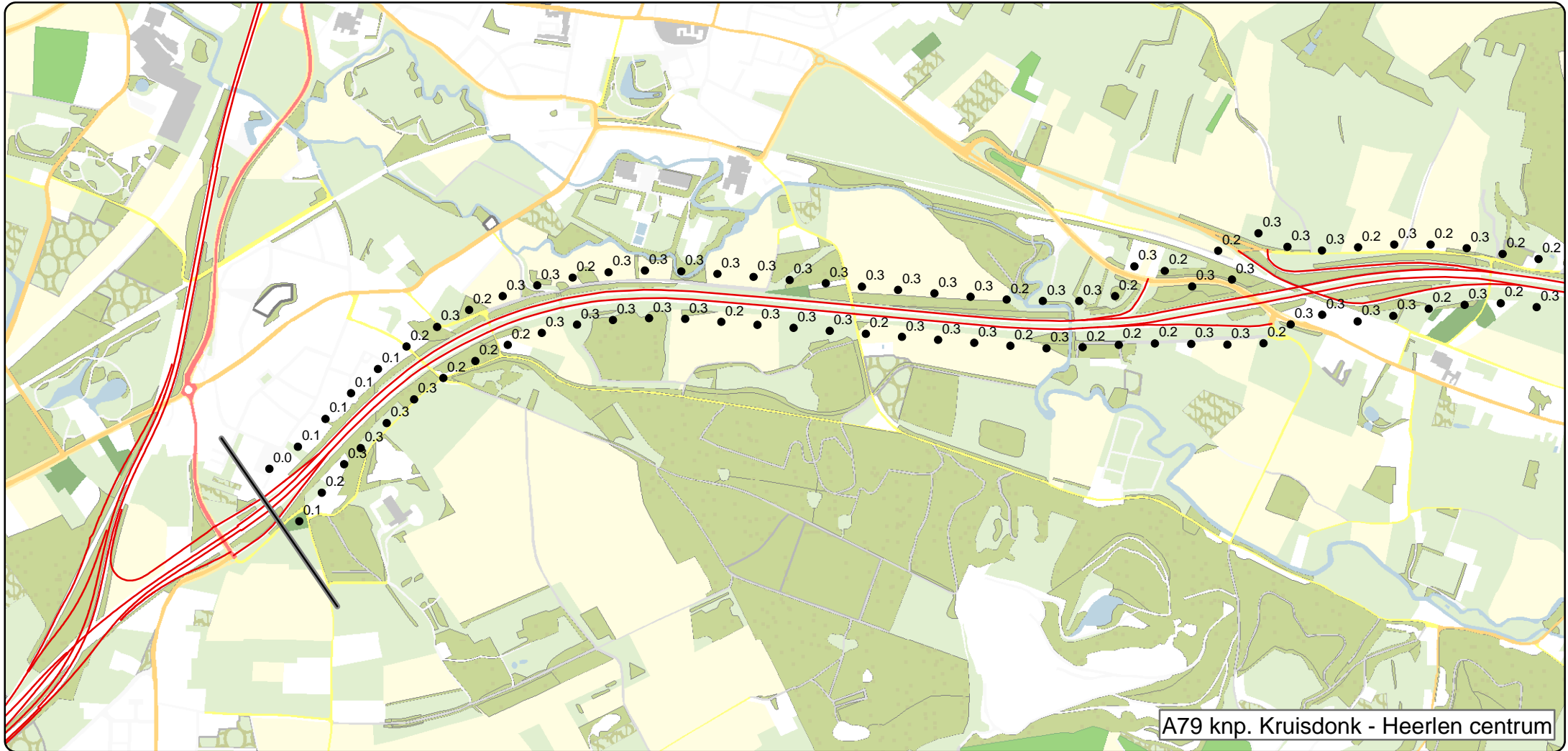


Legenda Verschil met GPP

- tot en met 0.6 dB onder GPP
- 0.5 dB onder GPP tot en met 0.3 dB onder GGP
- 0.2 dB onder GPP tot en met GPP
- Overschrijding van GPP

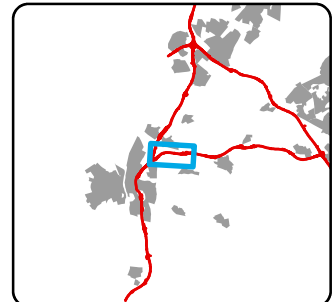
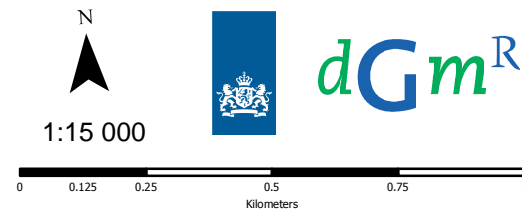
- Onderzoeksgrens
- Rijkswegen

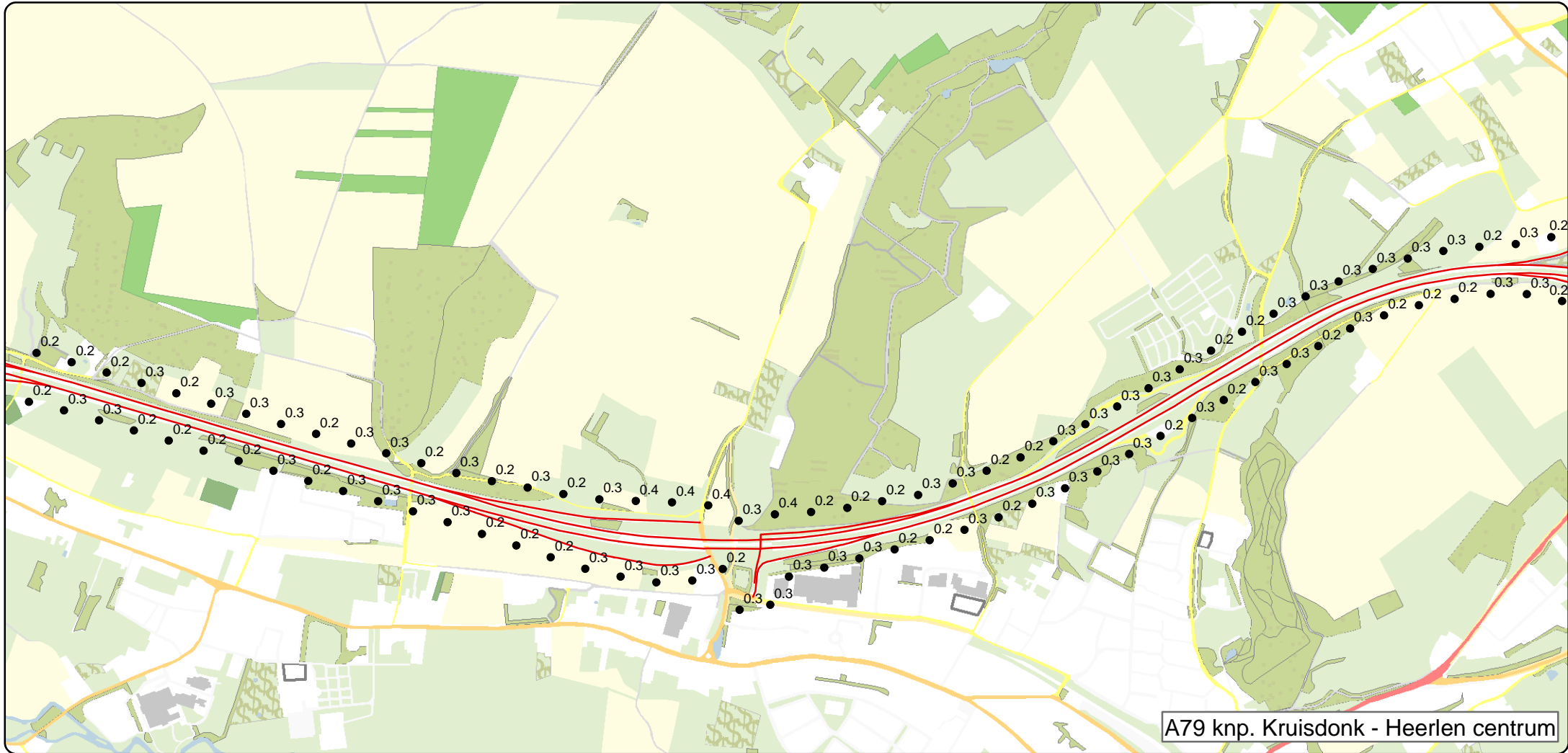




Legenda

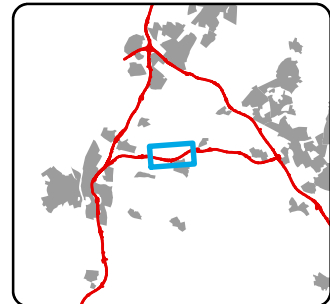
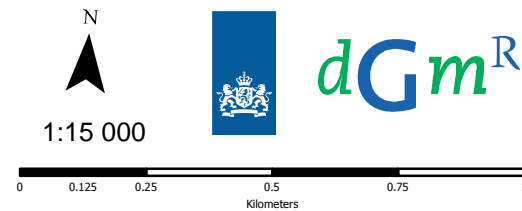
- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen

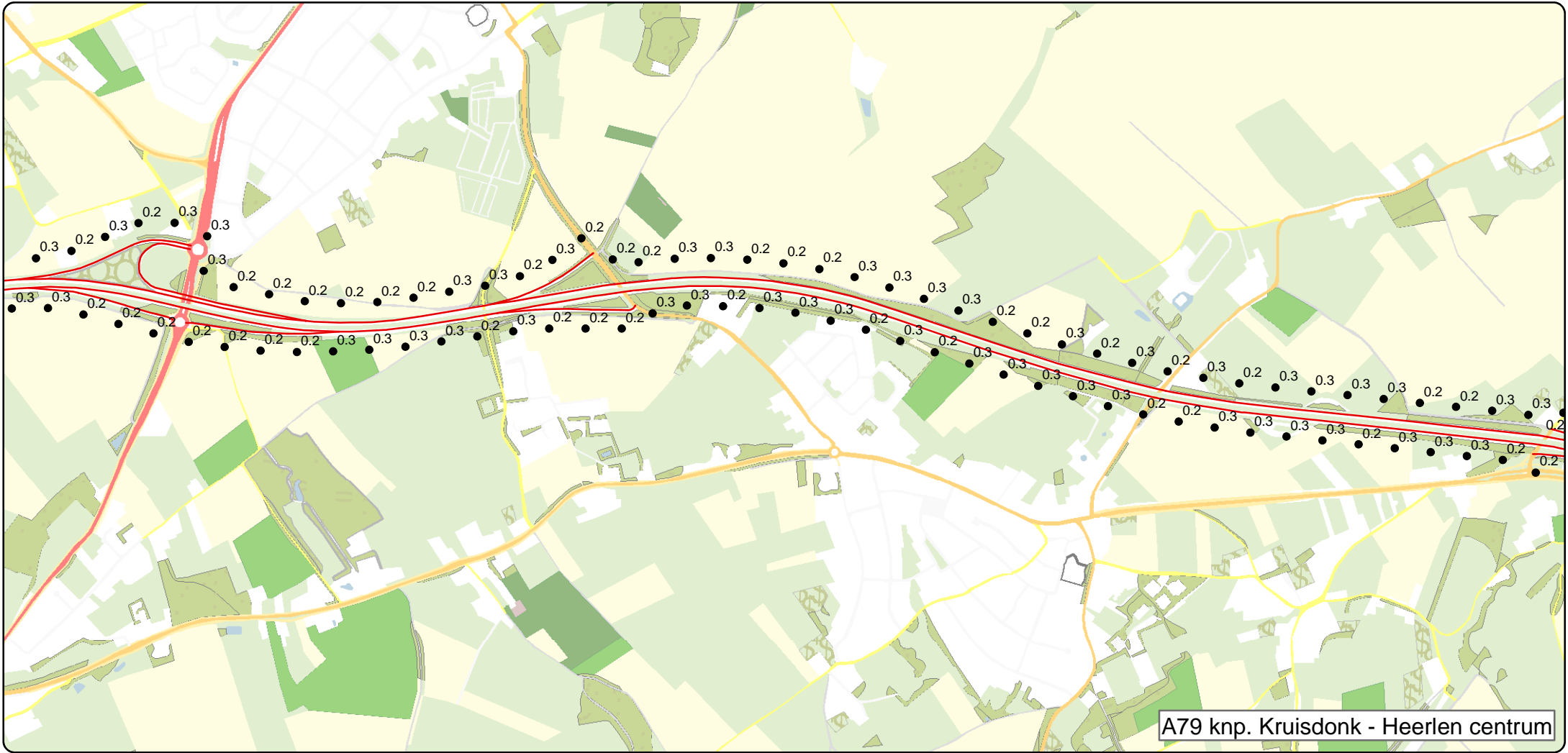




Legenda

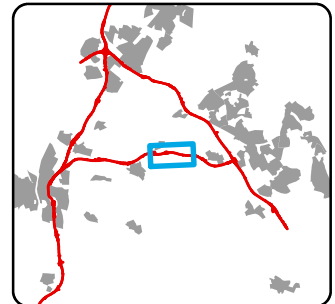
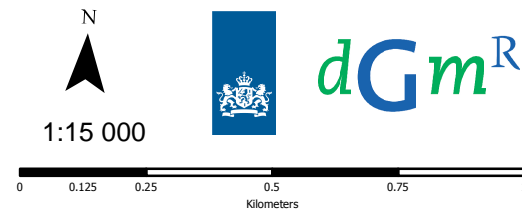
- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen

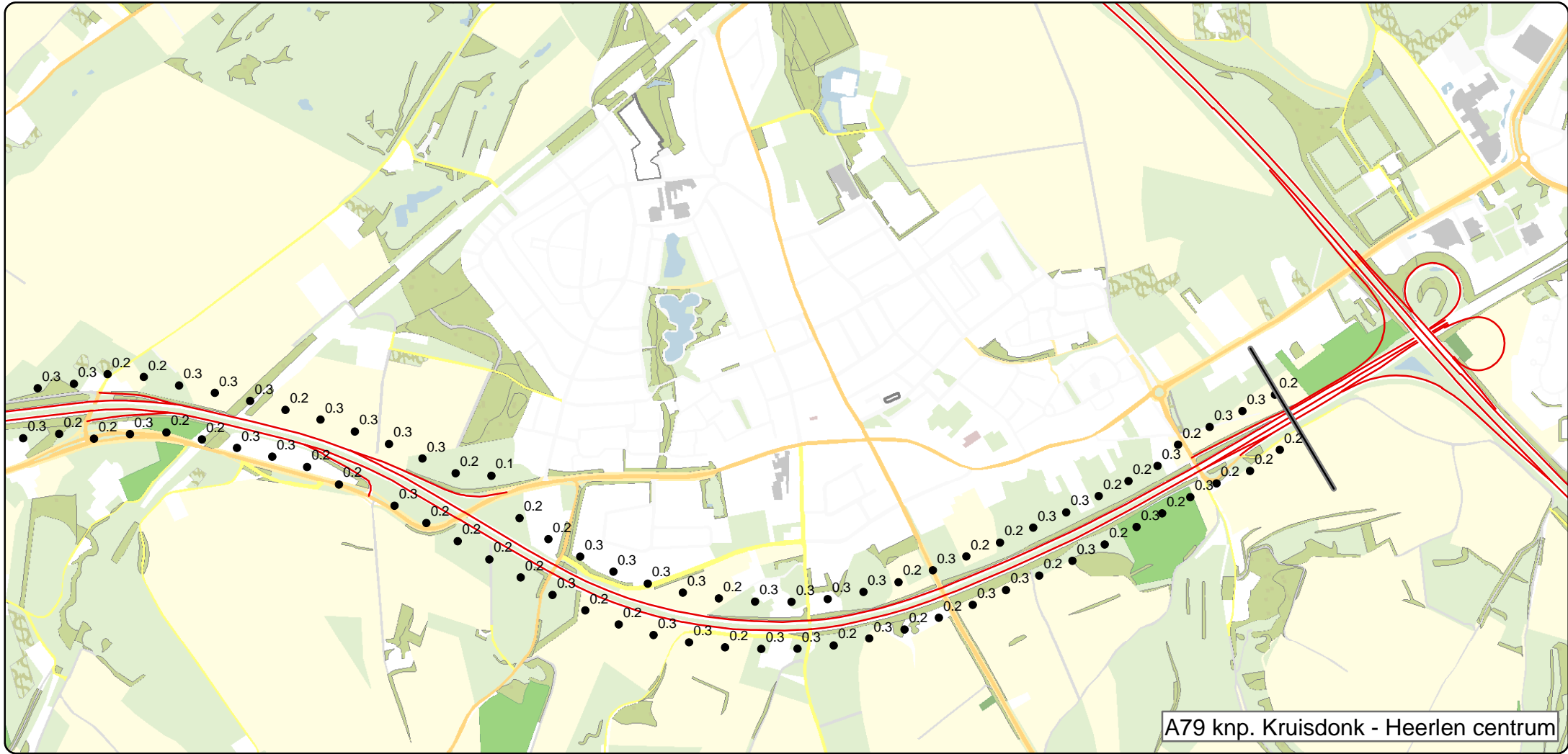




Legenda

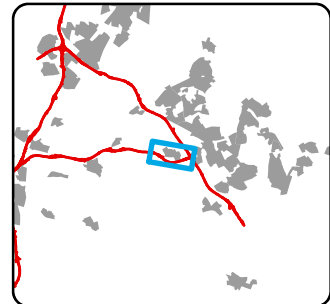
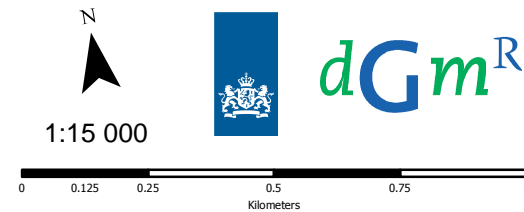
- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen





Legenda

- Toename geluidproductie door snelheidsverhoging
- Onderzoeksgrens
- Rijkswegen



Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
37640	179954.65	320610.98	64.2	62.9	-1.3
37641	180030.00	320676.73	64.5	63.2	-1.3
37642	180108.77	320737.96	64.5	63.2	-1.3
37643	180192.59	320792.50	64.3	63.0	-1.3
37644	180283.00	320834.81	63.0	61.7	-1.3
37645	180374.75	320874.59	53.1	51.7	-1.4
37646	180470.57	320902.63	60.4	59.1	-1.3
37647	180568.97	320920.15	65.6	64.3	-1.3
37648	180668.36	320927.91	66.5	65.2	-1.3
37649	180768.36	320927.79	66.6	65.3	-1.3
37650	180867.88	320920.48	66.6	65.3	-1.3
37651	180966.97	320907.03	66.3	65.0	-1.3
37652	181066.06	320893.57	66.1	64.8	-1.3
37653	181165.15	320880.11	65.9	64.7	-1.2
37654	181264.25	320866.66	65.9	64.7	-1.2
37655	181363.34	320853.20	66.2	64.9	-1.3
37656	181462.43	320839.74	66.4	65.1	-1.3
37657	181561.52	320826.28	66.7	65.4	-1.3
37658	181660.61	320812.83	66.9	65.6	-1.3
37659	181759.70	320799.37	66.8	65.5	-1.3
37660	181858.95	320787.39	66.7	65.4	-1.3
37661	181958.85	320785.29	66.7	65.4	-1.3
37662	182058.84	320786.65	65.2	63.9	-1.3
37663	182158.75	320785.01	60.6	59.3	-1.3
37664	182258.52	320778.22	62.2	60.9	-1.3
37665	182358.29	320771.42	62.0	60.7	-1.3
37666	182458.08	320769.77	61.2	59.9	-1.3
37667	182535.45	320818.03	63.4	62.1	-1.3
37668	182623.62	320840.08	64.9	63.6	-1.3
37669	182720.22	320816.63	62.0	60.7	-1.3
37670	182819.23	320826.71	61.7	60.4	-1.3
37671	182918.18	320841.14	57.6	56.3	-1.3
37672	183017.73	320847.09	60.9	59.6	-1.3
37673	183117.73	320846.21	62.8	61.5	-1.3
37674	183216.03	320829.77	64.6	63.3	-1.3
37675	183313.79	320808.72	65.1	63.8	-1.3
37676	183411.55	320787.67	65.1	63.8	-1.3
37677	183509.31	320766.62	64.3	63.0	-1.3
37678	183607.07	320745.57	65.9	64.6	-1.3
37679	183704.83	320724.52	65.7	64.4	-1.3
37680	183802.60	320703.47	66.0	64.7	-1.3
37681	183900.36	320682.42	66.1	64.8	-1.3
37682	183998.12	320661.37	65.8	64.5	-1.3
37683	184095.88	320640.32	61.9	60.6	-1.3
37684	184193.64	320619.27	65.3	64.0	-1.3
37685	184290.80	320595.69	65.1	63.8	-1.3

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
37686	184387.53	320570.34	64.4	63.0	-1.4
37687	184484.26	320544.99	64.2	62.8	-1.4
37688	184581.00	320519.63	63.6	62.2	-1.4
37689	184677.73	320494.28	62.4	61.1	-1.3
37690	184776.27	320479.32	61.8	60.5	-1.3
37691	184875.89	320470.58	60.7	59.4	-1.3
37692	184974.26	320482.91	60.0	58.7	-1.3
37693	185055.38	320520.37	56.5	55.1	-1.4
37694	185109.93	320411.16	57.6	56.3	-1.3
37695	185192.71	320431.03	58.8	57.5	-1.3
37696	185239.13	320512.01	59.9	58.6	-1.3
37697	185333.97	320543.70	53.8	52.5	-1.3
37698	185428.82	320575.39	58.0	56.8	-1.2
37699	185523.66	320607.09	61.3	60.1	-1.2
37700	185618.51	320638.78	60.2	59.1	-1.1
37701	185712.02	320674.04	63.8	62.8	-1.0
37702	185803.10	320715.23	63.4	62.5	-0.9
37703	185892.94	320759.14	63.2	62.3	-0.9
37704	185980.29	320807.59	59.0	58.1	-0.9
37705	186065.51	320859.92	63.7	62.8	-0.9
37706	186149.53	320914.12	62.6	61.7	-0.9
37707	186232.68	320969.66	62.4	61.5	-0.9
37708	186315.84	321025.21	63.1	62.2	-0.9
37709	186398.99	321080.76	63.3	62.3	-1.0
37710	186482.15	321136.31	64.6	63.7	-0.9
37711	186565.30	321191.85	55.2	54.2	-1.0
37712	186648.46	321247.40	53.9	52.9	-1.0
37713	186732.44	321301.54	58.9	58.0	-0.9
37714	186822.94	321343.89	66.0	65.1	-0.9
37715	186916.73	321378.58	65.3	64.4	-0.9
37716	187013.63	321402.64	64.0	63.1	-0.9
37717	187111.41	321423.59	63.9	62.9	-1.0
37718	187210.92	321429.86	63.1	62.0	-1.1
37719	187309.75	321417.27	62.6	61.4	-1.2
37720	187407.55	321396.40	62.6	61.4	-1.2
37721	187505.35	321375.52	63.4	62.1	-1.3
37722	187603.44	321356.62	63.6	62.3	-1.3
37723	187703.09	321348.27	63.4	62.1	-1.3
37724	187802.85	321343.05	64.0	62.7	-1.3
37725	187902.83	321344.65	64.8	63.5	-1.3
37726	188002.51	321351.88	65.3	64.0	-1.3
37727	188102.07	321361.33	65.3	64.0	-1.3
37728	188200.99	321375.10	65.0	63.7	-1.3
37729	188299.11	321394.40	65.1	63.8	-1.3
37730	188397.24	321413.69	65.7	64.3	-1.4
37731	188495.36	321432.97	64.8	63.4	-1.4

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
37732	188594.30	321445.71	63.5	62.0	-1.5
37733	188694.17	321450.87	62.5	61.0	-1.5
37734	188794.04	321456.03	61.8	60.3	-1.5
37735	188876.54	321502.67	63.0	61.6	-1.4
37736	188970.05	321528.83	65.1	63.7	-1.4
37737	189069.95	321532.46	64.4	62.9	-1.5
37738	189169.86	321532.53	63.5	62.1	-1.4
37739	189269.55	321524.93	62.8	61.4	-1.4
37740	189368.12	321508.05	62.8	61.4	-1.4
37741	189465.99	321487.99	63.2	61.7	-1.5
37742	189562.57	321462.06	63.2	61.8	-1.4
37743	189659.15	321436.13	63.6	62.1	-1.5
37744	189755.73	321410.20	64.2	62.8	-1.4
37745	189852.31	321384.27	64.9	63.5	-1.4
37746	189948.89	321358.34	65.4	64.0	-1.4
37747	190046.07	321334.80	66.1	64.6	-1.5
37748	190143.62	321312.81	65.0	63.6	-1.4
37749	190241.93	321294.66	64.7	63.2	-1.5
37750	190340.87	321280.37	65.6	64.1	-1.5
37751	190440.25	321269.28	64.3	62.9	-1.4
37752	190539.79	321260.04	64.1	62.7	-1.4
37753	190639.64	321254.47	64.7	63.2	-1.5
37754	190739.48	321248.89	64.9	63.4	-1.5
37755	190839.33	321243.31	65.8	64.3	-1.5
37756	190939.17	321237.73	66.2	64.7	-1.5
37757	191039.02	321232.16	66.2	64.7	-1.5
37758	191138.86	321226.58	66.2	64.7	-1.5
37759	191238.71	321221.01	66.1	64.6	-1.5
37760	191330.89	321191.27	64.6	63.1	-1.5
37761	191430.72	321186.40	65.4	64.0	-1.4
37762	191529.91	321173.67	66.1	64.6	-1.5
37763	191622.75	321137.74	64.9	63.5	-1.4
37764	191714.29	321097.49	64.2	62.8	-1.4
37765	191805.83	321057.23	63.8	62.4	-1.4
37766	191894.84	321012.68	63.6	61.8	-1.8
37767	191972.72	320949.95	61.7	59.8	-1.9
37769	192113.40	320865.37	62.3	60.3	-2.0
37770	192191.59	320803.54	63.0	60.8	-2.2
37771	192268.14	320739.19	62.1	60.0	-2.1
37772	192344.68	320674.83	62.7	60.5	-2.2
37773	192421.22	320610.48	62.7	60.5	-2.2
37774	192499.37	320548.21	62.6	60.5	-2.1
37775	192580.92	320490.33	63.5	61.3	-2.2
37776	192664.75	320436.18	63.1	61.0	-2.1
37777	192753.72	320390.60	62.7	60.7	-2.0
37778	192846.61	320353.56	63.3	61.3	-2.0

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
37779	192941.70	320322.76	63.7	61.6	-2.1
37780	193039.22	320301.01	64.6	62.5	-2.1
37781	193137.73	320284.30	65.8	63.7	-2.1
37782	193237.27	320275.97	64.2	61.9	-2.3
37783	193337.20	320278.20	64.4	62.3	-2.1
37784	193436.90	320286.03	63.0	60.8	-2.2
37785	193535.66	320301.23	62.3	60.1	-2.2
37786	193633.79	320320.23	63.1	61.0	-2.1
37787	193730.89	320344.14	63.6	61.5	-2.1
37788	193827.99	320368.06	64.3	62.3	-2.0
37789	193925.09	320391.97	65.3	63.3	-2.0
37790	194020.75	320420.84	65.7	63.6	-2.1
37791	194115.47	320452.90	66.0	63.9	-2.1
56795	194027.62	320555.08	65.1	63.4	-1.7
56796	193931.64	320526.39	64.0	62.5	-1.5
56797	193834.83	320500.60	63.6	62.1	-1.5
56798	193737.75	320475.89	63.2	61.5	-1.7
56799	193639.90	320454.43	62.6	60.9	-1.7
56800	193542.03	320433.05	62.2	60.5	-1.7
56801	193443.20	320416.71	63.1	61.4	-1.7
56802	193343.49	320407.49	64.1	62.4	-1.7
56803	193243.38	320405.09	64.7	63.1	-1.6
56804	193143.72	320414.80	65.6	63.9	-1.7
56805	193045.29	320433.10	64.7	63.1	-1.6
56806	192948.56	320459.09	64.2	62.5	-1.7
56807	192854.00	320492.07	63.7	62.1	-1.6
56808	192762.61	320533.01	62.9	61.3	-1.6
56809	192675.17	320581.79	63.3	61.7	-1.6
56810	192592.62	320638.47	62.9	61.2	-1.7
56811	192514.43	320701.09	62.5	60.7	-1.8
56812	192446.36	320771.84	61.2	59.4	-1.8
56814	192390.29	320900.75	55.7	54.0	-1.7
56815	192294.65	320924.36	57.7	56.1	-1.6
56816	192211.80	320980.65	60.6	58.9	-1.7
56817	192128.25	321035.88	62.2	60.6	-1.6
56818	192041.46	321085.73	63.6	62.2	-1.4
56819	191954.06	321134.65	64.2	62.9	-1.3
56820	191863.78	321178.00	64.3	63.1	-1.2
56821	191772.32	321218.87	65.4	64.2	-1.2
56822	191680.03	321257.86	65.5	64.3	-1.2
56823	191587.15	321295.23	65.9	64.7	-1.2
56824	191495.34	321335.09	64.7	63.3	-1.4
56825	191398.30	321359.76	64.2	62.8	-1.4
56826	191302.19	321349.47	66.1	64.8	-1.3
56827	191202.17	321355.15	65.9	64.6	-1.3
56828	191102.14	321360.85	66.0	64.6	-1.4

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
56829	191002.12	321366.56	65.8	64.4	-1.4
56830	190902.10	321372.25	65.7	64.4	-1.3
56831	190802.07	321377.72	65.6	64.3	-1.3
56832	190702.00	321382.52	65.0	63.6	-1.4
56833	190601.99	321388.31	64.3	63.0	-1.3
56834	190502.00	321394.59	64.3	62.9	-1.4
56835	190402.33	321404.63	65.3	64.0	-1.3
56836	190302.95	321417.14	66.2	64.8	-1.4
56837	190204.47	321435.45	63.5	62.2	-1.3
56838	190106.30	321455.45	63.6	62.3	-1.3
56839	190008.28	321476.14	63.1	61.9	-1.2
56840	189911.37	321501.52	65.8	64.4	-1.4
56841	189814.70	321527.83	64.7	63.3	-1.4
56842	189718.13	321554.48	63.3	62.0	-1.3
56843	189621.60	321581.27	63.4	62.1	-1.3
56844	189524.98	321607.76	63.4	62.1	-1.3
56845	189427.74	321631.79	63.1	61.8	-1.3
56846	189329.09	321649.04	63.0	61.7	-1.3
56847	189229.48	321659.76	63.2	61.9	-1.3
56848	189129.48	321664.50	64.2	62.8	-1.4
56849	189029.30	321663.91	64.9	63.6	-1.3
56850	188929.45	321656.33	65.2	63.9	-1.3
56851	188830.36	321641.62	65.8	64.4	-1.4
56852	188759.35	321645.62	63.9	62.5	-1.4
56853	188669.81	321699.83	56.6	55.2	-1.4
56854	188592.88	321635.70	61.8	60.5	-1.3
56855	188505.98	321586.13	63.8	62.5	-1.3
56856	188411.49	321554.27	62.2	60.9	-1.3
56857	188313.68	321532.62	65.2	63.9	-1.3
56858	188215.89	321510.89	64.7	63.4	-1.3
56859	188117.26	321493.61	65.2	63.9	-1.3
56860	188017.42	321485.64	65.5	64.2	-1.3
56861	187917.29	321485.66	65.5	64.2	-1.3
56862	187818.11	321499.72	64.9	63.6	-1.3
56863	187718.99	321514.28	65.0	63.7	-1.3
56864	187634.74	321554.82	61.9	60.7	-1.2
56865	187638.70	321651.21	58.2	57.0	-1.2
56866	187547.54	321683.32	58.3	57.1	-1.2
56867	187448.17	321677.46	58.2	57.0	-1.2
56868	187357.85	321634.59	59.6	58.5	-1.1
56869	187267.63	321591.34	61.8	60.6	-1.2
56870	187170.84	321565.79	63.4	62.3	-1.1
56871	187071.79	321551.17	64.3	63.4	-0.9
56872	186973.38	321532.74	64.8	64.0	-0.8
56873	186877.24	321504.74	58.0	57.3	-0.7
56874	186783.36	321469.86	59.1	58.4	-0.7

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
56875	186692.09	321428.60	62.2	61.5	-0.7
56876	186604.03	321380.92	57.0	56.3	-0.7
56877	186519.38	321327.37	62.3	61.6	-0.7
56878	186436.25	321271.47	65.2	64.3	-0.9
56879	186354.47	321213.61	64.2	63.3	-0.9
56880	186272.35	321156.22	62.4	61.6	-0.8
56881	186190.23	321098.83	61.5	60.8	-0.7
56882	186107.52	321042.32	62.4	61.6	-0.8
56883	186023.78	320987.32	62.3	61.5	-0.8
56884	185938.68	320934.48	62.1	61.3	-0.8
56885	185852.15	320884.04	62.6	61.7	-0.9
56886	185761.70	320841.00	63.0	62.2	-0.8
56887	185670.54	320799.45	62.8	61.9	-0.9
56888	185577.95	320761.30	64.3	63.3	-1.0
56889	185480.40	320737.22	64.2	63.0	-1.2
56890	185385.75	320711.71	65.3	64.0	-1.3
56891	185287.03	320693.77	65.8	64.5	-1.3
56892	185188.03	320680.43	60.8	59.7	-1.1
56893	185089.98	320655.84	57.2	56.1	-1.1
56894	185003.22	320691.93	62.8	61.7	-1.1
56895	184903.58	320693.24	64.5	63.3	-1.2
56896	184803.44	320690.07	65.1	63.9	-1.2
56897	184703.29	320687.91	64.8	63.6	-1.2
56898	184603.44	320695.40	64.0	62.7	-1.3
56899	184503.83	320706.16	64.2	62.9	-1.3
56900	184404.25	320717.06	64.3	62.9	-1.4
56901	184305.25	320732.26	64.5	63.2	-1.3
56902	184207.22	320752.77	66.5	65.2	-1.3
56903	184109.18	320773.39	61.5	60.2	-1.3
56904	184011.05	320793.54	66.8	65.5	-1.3
56905	183912.83	320813.27	66.4	65.1	-1.3
56906	183814.73	320833.59	65.7	64.4	-1.3
56907	183716.82	320854.80	65.5	64.2	-1.3
56908	183618.97	320876.30	65.5	64.3	-1.2
56909	183521.11	320897.78	65.7	64.4	-1.3
56910	183423.35	320919.66	65.5	64.2	-1.3
56911	183325.60	320941.60	64.8	63.5	-1.3
56912	183227.76	320963.14	65.4	64.1	-1.3
56913	183129.40	320982.10	66.5	65.2	-1.3
56914	183031.48	321003.03	59.2	57.9	-1.3
56915	182932.56	321018.53	64.8	63.5	-1.3
56916	182832.60	321023.51	63.9	62.6	-1.3
56917	182732.45	321021.07	64.4	63.1	-1.3
56918	182632.32	321017.66	64.5	63.2	-1.3
56919	182537.54	321033.10	62.9	61.6	-1.3
56920	182460.14	321074.55	60.5	59.2	-1.3

Akoestisch onderzoek snelheidsverhoging naar 130 km/h in 2016

Overzicht resultaten

referentiepunt			Geluidproductie- plafond in dB	Geluidproductie in 2016	
ID	X	Y		Waarde	verschil tov GPP
56921	182346.13	321032.02	61.5	60.2	-1.3
56922	182380.05	320950.38	64.8	63.5	-1.3
56923	182269.14	320936.68	66.6	65.3	-1.3
56924	182196.56	320983.97	62.8	61.4	-1.4
56925	182113.18	321001.27	61.4	60.1	-1.3
56926	182055.64	320921.68	64.7	63.3	-1.4
56927	181956.09	320913.07	67.2	65.9	-1.3
56928	181856.08	320918.23	66.6	65.3	-1.3
56929	181756.33	320927.41	66.9	65.6	-1.3
56930	181657.02	320940.51	66.6	65.4	-1.2
56931	181557.89	320954.98	66.3	65.1	-1.2
56932	181458.78	320969.64	66.0	64.8	-1.2
56933	181359.66	320984.20	66.0	64.7	-1.3
56934	181260.54	320998.77	65.9	64.7	-1.2
56935	181161.36	321012.92	66.0	64.8	-1.2
56936	181062.13	321026.66	66.2	64.9	-1.3
56937	180962.86	321040.17	66.6	65.3	-1.3
56938	180863.44	321052.32	66.0	64.7	-1.3
56939	180763.58	321060.25	66.5	65.3	-1.2
56940	180663.41	321060.50	66.4	65.1	-1.3
56941	180563.73	321051.10	66.5	65.2	-1.3
56942	180465.00	321034.50	65.3	64.1	-1.2
56943	180367.95	321009.95	66.7	65.5	-1.2
56944	180273.52	320976.59	66.6	65.3	-1.3
56945	180182.60	320934.61	60.0	58.7	-1.3
56946	180095.70	320884.87	55.9	54.3	-1.6
56947	180013.93	320827.07	51.1	48.5	-2.6
56948	179935.89	320764.32	51.8	49.1	-2.7
56949	179861.68	320697.05	51.8	48.8	-3.0
56979	179775.15	320418.51	62.2	60.6	-1.6
56980	179841.40	320493.42	63.1	61.7	-1.4
56981	179907.01	320568.94	64.5	63.2	-1.3
56982	179782.18	320624.31	52.8	49.7	-3.1
56983	179700.15	320566.99	53.6	50.3	-3.3
57100	194553.98	320745.85	64.0	62.6	-1.4
57101	194457.99	320717.30	64.3	63.0	-1.3
57102	194361.70	320689.56	64.3	62.7	-1.6
57103	194267.32	320656.57	64.3	62.5	-1.8
57104	194201.16	320608.66	64.8	63.3	-1.5
57105	194275.12	320508.38	66.7	64.7	-2.0
57106	194352.97	320533.48	66.3	64.2	-2.1
57107	194450.05	320550.91	64.6	62.7	-1.9
57108	194540.49	320593.99	64.1	62.9	-1.2
59670	194115.30	320581.40	66.0	64.3	-1.7
59671	194191.46	320477.54	66.6	64.5	-2.1