

SOUTHWEST METRO CORRIDOR

CONSTRUCTION NOISE & VIBRATION IMPACT STATEMENT

REPORT NO. SMCSWSSJ-JHL-WEC-EM-REP-000011
REV 04

OCTOBER 2021

PREPARED FOR

JOHN HOLLAND LAING O'ROURKE JOINT VENTURE
100A MARRICKVILLE ROAD
MARRICKVILLE NSW 2204

PO BOX 195, MARRICKVILLE NSW 1475

DOCUMENT CONTROL

Version	Status	Date	Prepared By	Reviewed By
00	Draft	15 December 2020	Ash Stevens	Barry Murray
01	Draft	10 August 2021	Ash Stevens	
02	Draft	6 September 2021	Ash Stevens	Ben Lawrence
03	Updated for comments	20 September 2021	Ash Stevens	Ben Lawrence

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GLOSSARY OF ACOUSTIC TERMS

Most environments are affected by environmental noise which continuously varies, largely as a result of road traffic. To describe the overall noise environment, a number of noise descriptors have been developed and these involve statistical and other analysis of the varying noise over sampling periods, typically taken as 15 minutes. These descriptors, which are demonstrated in the graph below, are here defined.

Maximum Noise Level (L_{Amax}) – The maximum noise level over a sample period is the maximum level, measured on fast response, during the sample period.

L_{A1} – The L_{A1} level is the noise level which is exceeded for 1% of the sample period. During the sample period, the noise level is below the L_{A1} level for 99% of the time.

L_{A10} – The L_{A10} level is the noise level which is exceeded for 10% of the sample period. During the sample period, the noise level is below the L_{A10} level for 90% of the time. The L_{A10} is a common noise descriptor for environmental noise and road traffic noise.

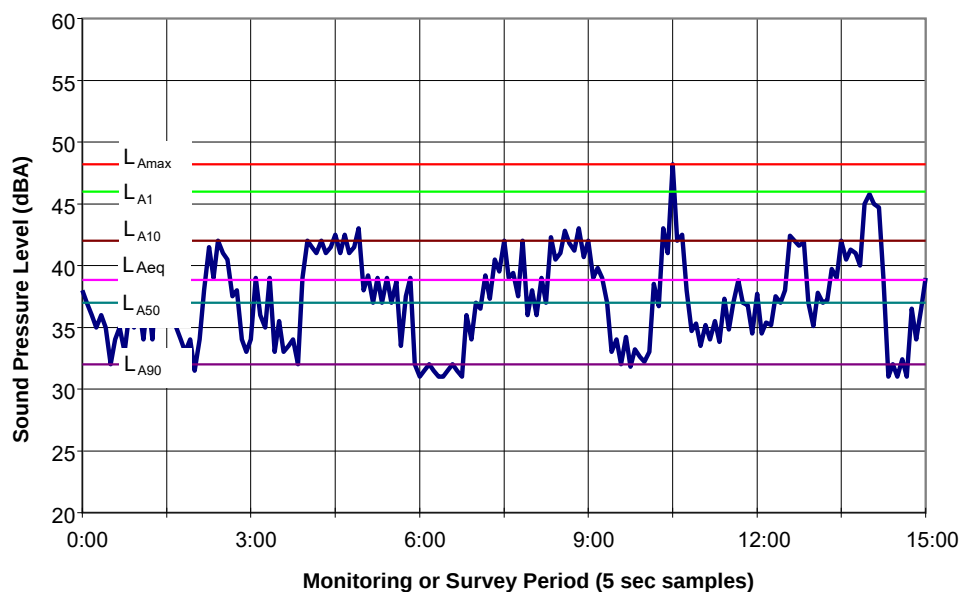
L_{A90} – The L_{A90} level is the noise level which is exceeded for 90% of the sample period. During the sample period, the noise level is below the L_{A90} level for 10% of the time. This measure is commonly referred to as the background noise level.

L_{Aeq} – The equivalent continuous sound level (L_{Aeq}) is the energy average of the varying noise over the sample period and is equivalent to the level of a constant noise which contains the same energy as the varying noise environment. This measure is also a common measure of environmental noise and road traffic noise.

ABL – The Assessment Background Level is the single figure background level representing each assessment period (daytime, evening and night time) for each day. It is determined by calculating the 10th percentile (lowest 10th percent) background level (L_{A90}) for each period.

RBL – The Rating Background Level for each period is the median value of the ABL values for the period over all of the days measured. There is therefore an RBL value for each period – daytime, evening and night time.

Typical Graph of Sound Pressure Level vs Time



GLOSSARY OF VIBRATION TERMS

Displacement – A vector quantity that specifies the change of position of a body or particle with respect to a reference frame.

Velocity – A vector quantity that specifies the time derivative of displacement.

Acceleration – Acceleration is rate of change of velocity with time usually along a specified axis, usually expressed in m/s^2

Hertz (Hz) – Units in which frequency is expressed. Synonymous with cycles per second.

Decibel – Ratios of identical quantities are expressed in decibel or decibel or dB units. The number of dB is "ratioid" against some standard or reference value in terms of the base 10 logarithm of that ratio. In measuring acoustic or vibration power (as in PSD or ASD of random vibration), the number of $\text{dB} = 10 \log_{10} P/P_0$. P_0 , the reference level, equals 0 dB. In measuring the more common voltage-like quantities such as acceleration, the number of $\text{dB} = 20 \log_{10} E/E_0$. E_0 , the reference level, equals 0 dB.-

Peak – Extreme value of a varying quantity, measured from the zero or mean value. Also, a maximum spectral value.

Peak-to-peak value – The algebraic difference between extreme values (as $D = 2X$).

Duration of a shock pulse is how long it lasts. Time is usually measured between instants when the amplitude is greater than 10% of the peak value.

Amplitude – The magnitude of variation (in a changing quantity) from its zero value. Always modify it with an adjective such as **peak, RMS, average**, etc. May refer to displacement, velocity, acceleration.

Crest factor – *Of an oscillating quantity.* The ratio of the peak value to the r.m.s. value.

VDV – The Vibration Dose Value is the accumulation of energy measured over a given time period, proportional to the root mean quad of acceleration. This is usually measured in each of the three axes of motion. In most cases, vibration tends to be higher in the Z (vertical) axis. This is measured with units of $\text{m/s}^{1.75}$.

PPV – Peak Particle Velocity is the instantaneous peak of the resultant vector sum of all three axes of motion. Results are expressed in terms of velocity normally mm/s .

Peak Acceleration – This is the peak acceleration level measured in each of the three axes of motion. In some cases, this can also be combined in a vector sum. This is measured in m/s^2 .

Accelerometer – A sensor or transducer or pickup for converting acceleration to an electrical signal. Two common types are piezoresistive and piezoelectric.

Charge amplifier – An amplifier which converts a charge input signal (as from an accelerometer) into an output voltage; a charge-to-voltage converter.

Geophone – A sensor or transducer or pickup for converting velocity to an electrical signal.

1 INTRODUCTION

Sydney Metro City & Southwest is a new 30km metro line extending from the end of Sydney Metro Northwest at Chatswood under Sydney Harbour, through new CBD stations and southwest to Bankstown. It is due to open in 2024 with the capacity to run a metro train every four minutes each way through the centre of Sydney. The Sydney Metro City & Southwest comprises of two components;

- Chatswood to Sydenham project
- Sydenham to Bankstown upgrade, now known as Southwest Metro (SWM)

As part of the Southwest Metro project, it is proposed to carry out construction works between Sydenham and Bankstown Stations. These works are known as Southwest Metro Corridor works (SMC). The works will be undertaken by John Holland & Laing O'Rourke joint venture (JHLOR).

This Construction Noise and Vibration Impact Statement (CNVIS) relating to the SMC has been prepared for JHLOR.

This CNVIS has been prepared in compliance with Condition of Approval (CoA) E27 outlined in the Conditions of Approval for Sydney Metro Sydenham to Bankstown Upgrade, (SSI 8256).

The assessment has been conducted in accordance with the Construction Noise and Vibration Management Plan (CNVMP) and the following noise and vibration guidelines.

- *Interim Construction Noise Guideline* (DECC, 2009) – *ICNG*
- *Sydney Metro City & Southwest Construction Noise and Vibration Strategy* (2017) – *CNVS*
- *NSW Industrial Noise Policy* (NSW EPA, 2000) – *INP*
- *Transport for NSW Construction Noise and Vibration Strategy – April 2018* (TfNSW 2018)
- *The Sydney Metro Construction Environmental Management Framework v3.1 – CEMF*
- *Assessing Vibration: A Technical Guideline* (DEC, 2006) (for human exposure)
- *BS 7385 Part 2 -1993 "Evaluation and measurement for vibration in buildings Part 2"* (as applicable to Australian conditions)
- *German Standard DIN 4150-3: Structural Vibration – effects of vibration on structures*

The 2021 update to this report is to include the Bankstown Early Works (BEW), that will take place around Bankstown Station.

2 SITE DESCRIPTION

The Southwest Metro Corridor works will be undertaken within the rail corridor between Sydenham and Bankstown, extending as far as Bankstown Station. These works will not be conducted at the stations, with the exception of Bankstown Early Works (BEW) activities.

Figure 2-1 presents the SMC works site and surrounding area.

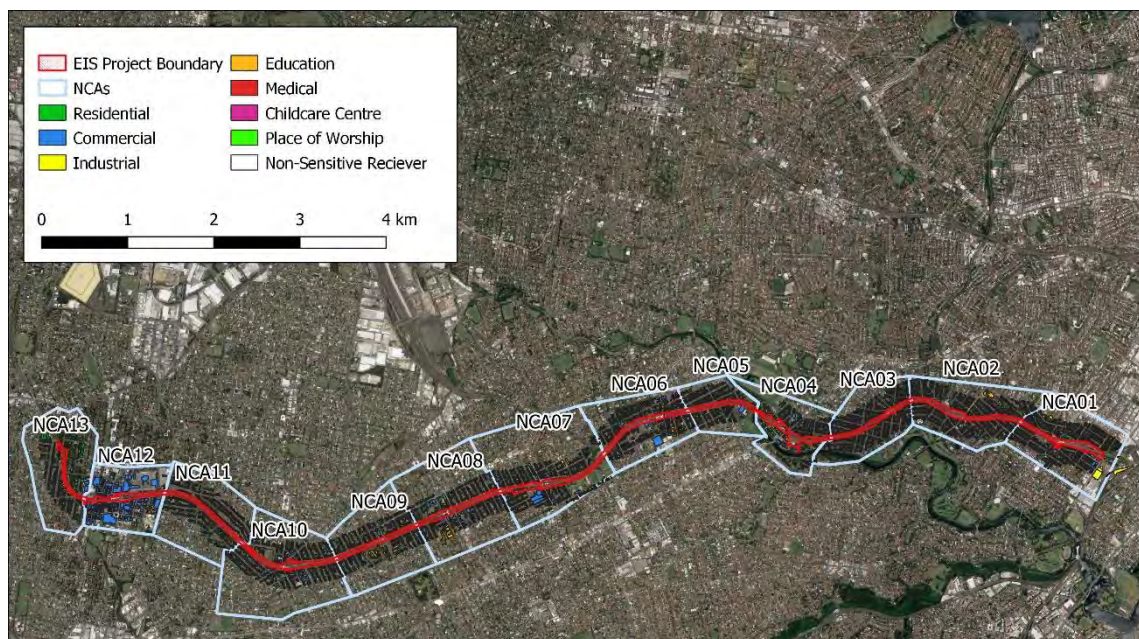
The area surrounding the site is predominately residential, with commercial premises surrounding

the stations. The site extends east to the Sydenham Station and Junction (SSJ) project and overlaps with Southwest Metro Early Works (SMEW). These works have been assessed under a separate CNVIS.

Nearby sensitive receivers have been divided into 13 different noise catchment areas (NCA). The defined noise catchment areas are consistent with those defined in the Environmental Impact Statement (EIS) for this project (*Sydney Metro City & Southwest Sydenham to Bankstown, Technical Paper 2 - Noise and Vibration Assessment, Report Number 610.15897-R02*).

The results of the Land Use Survey, as required by CoA E18, and the NCA's are presented in Figure 2-1. More detailed maps of each NCA can be found in Appendix A of the CNVMP.

Figure 2-1 Project site and surrounding area



2.1 Residential Receivers

Residential premises make up the majority of all the receivers surrounding these works, on both the north and south sides of the rail line. With the exception of NCA 12 residential receivers are located directly adjacent to the rail corridor in all noise catchment areas.

2.2 Commercial and Industrial Receivers

Most commercial receivers in the vicinity of these works are located along the roads surrounding the stations. There is a concentration of these receivers along Beamish Street, Campsie in NCA 06, along Canterbury Road, Canterbury in NCA 04, along Illawarra Road, Marrickville in NCA 01, along Burwood road, Burwood in NCA 07, along Haldon Street, Lakemba in NCA 08 and along Punchbowl Road, Punchbowl in NCA 10. At the eastern end of NCA 01 in Marrickville there are more commercial properties. NCA 12 in Bankstown is almost entirely made up of commercial receivers.

There are a small number of industrial receivers located in NCA 01, NCA 04 and NCA 07.

Due to the high density of these areas, particularly around the stations, a large number of the commercial properties are mixed use. Typically, this results in commercial premises on the ground floor and residential above. These commercial areas also typically contain a range of businesses, many of which are classified as other sensitive receivers as outlined in the following section.

2.3 Other Sensitive Receivers

As detailed in the CNVS other types of sensitive receivers should be classified separately. The other sensitive receivers, as defined in the CNVS, that have been identified are presented in Table 2-1.

Many buildings in high density areas are mixed use, resulting in multiple types of receiver at the one address. This list is to be updated as the project progresses, and work methodologies are finalised.

Table 2-1 Other sensitive receivers

Receiver ID	Receiver Type	Receiver Address
NCA 06_Caf_6058	Café/Bar/Restaurant	11 Amy Street, Campsie
NCA 06_Caf_6053	Café/Bar/Restaurant	115 Clissold Parade, Campsie
NCA 06_Caf_6050	Café/Bar/Restaurant	140-142 Beamish Street, Campsie
NCA 06_Caf_6052	Café/Bar/Restaurant	148a Beamish Street, Campsie
NCA 06_Caf_6054	Café/Bar/Restaurant	152 Beamish Street, Campsie
NCA 06_Caf_6051	Café/Bar/Restaurant	161-163 Beamish Street, Campsie
NCA 04_Caf_6059	Café/Bar/Restaurant	171-173 Canterbury Road, Canterbury
NCA 06_Caf_6056	Café/Bar/Restaurant	174 Beamish Street, Campsie
NCA 06_Caf_6055	Café/Bar/Restaurant	193 Beamish Street, Campsie
NCA 06_Caf_6055	Café/Bar/Restaurant	195 Beamish Street, Campsie
NCA 03_Caf_6061	Café/Bar/Restaurant	20 Crinan Street, Hurlstone Park
NCA 04_Caf_4315	Café/Bar/Restaurant	208 Canterbury Road, Canterbury
NCA 02_Caf_1647	Café/Bar/Restaurant	237 Wardell Road, Dulwich Hill
NCA 02_Caf_4700	Café/Bar/Restaurant	245 Wardell Road, Dulwich Hill
NCA 03_Caf_6060	Café/Bar/Restaurant	25 Floss Street, Hurlstone Park
NCA 02_Caf_6062	Café/Bar/Restaurant	255-257 Wardell Road, Marrickville
NCA 04_Caf_4315	Café/Bar/Restaurant	30 Tincombe Street, Canterbury
NCA 08_CCC_6037	Childcare Centre	108-112 Haldon Street, Lakemba
NCA 06_CCC_1811	Childcare Centre	12 Campsie Street, Campsie
NCA 03_CCC_2114	Childcare Centre	12-14 Smith Avenue, Hurlstone Park
NCA 10_CCC_7037	Childcare Centre	17 Broadway, Punchbowl
NCA 08_CCC_5156	Childcare Centre	180 Lakemba Street, Lakemba
NCA 06_CCC_6000	Childcare Centre	2 Carrington Street, Campsie
NCA 10_CCC_6708	Childcare Centre	21 Dudley Street, Punchbowl
NCA 07_CCC_7012	Childcare Centre	24-25 Redman Parade, Belmore
NCA 06_CCC_1615	Childcare Centre	3 Harold Street, Campsie

Receiver ID	Receiver Type	Receiver Address
NCA 01_CCC_2803	Childcare Centre	356 Victoria Road, Marrickville
NCA 10_CCC_6039	Childcare Centre	42 Urunga Parade, Punchbowl
NCA 08_CCC_8214	Childcare Centre	48-50 Taylor Street, Lakemba
NCA 03_CCC_5024	Childcare Centre	66 Garnet Street, Hurlstone Park
NCA 06_CCC_4644	Childcare Centre	70 Campsie Street, Campsie
NCA 10_CCC_5985	Childcare Centre	70 South Terrace, Punchbowl
NCA 10_CCC_5051	Childcare Centre	748 Punchbowl Road, Punchbowl
NCA 07_CCC_7759	Childcare Centre	8 Leylands Parade, Belmore
NCA 06_Edu_1956	Education	1 Harold Street, Campsie
NCA 09_EDU_6288	Education	102-112 King Georges Road, Wiley Park
NCA 06_Edu_1481	Education	12 Harold Street, Campsie
NCA 06_Edu_1965	Education	14 Duke Street, Campsie
NCA 12_EDU_6893	Education	18 East Terrace, Bankstown
NCA 02_Edu_4373	Education	194-210 Wardell Road, Marrickville
NCA 09_EDU_6154	Education	1a Hillcrest Street, Wiley Park
NCA 09_EDU_6153	Education	1b Hillcrest Street, Wiley Park
NCA 13_EDU_6861	Education	2 Winspear Avenue, Bankstown
NCA 01_Edu_1155	Education	200 Livingstone Road, Marrickville
NCA 06_Edu_1100	Education	22 Harold Street, Campsie
NCA 07_EDU_6512	Education	26-30 Etela Street, Belmore
NCA 10_EDU_5772	Education	29-47 Rossmore Avenue, Punchbowl
NCA 06_Edu_4266	Education	3 Harold Street, Campsie
NCA 07_EDU_7102	Education	31-33 Isabel Street, Belmore
NCA 08_EDU_7740	Education	33-35 Croydon Street, Lakemba
NCA 01_Edu_1133	Education	334 Illawarra Road, Marrickville
NCA 08_EDU_6451	Education	37-49 Croydon Street, Lakemba
NCA 13_EDU_6860	Education	4 Winspear Avenue, Bankstown
NCA 01_Edu_2827	Education	53 Francis Street, Marrickville
NCA 10_EDU_6117	Education	54 Kelly Street, Punchbowl
NCA 12_EDU_7029	Education	6 East Terrace, Bankstown
NCA 09_EDU_6492	Education	95 King Georges Road, Wiley Park
NCA 09_EDU_6080	Education	97-101 King Georges Road, Wiley Park
NCA 06_Med_4625	Medical	10 Amy Street, Campsie
NCA 06_Med_1188	Medical	110 Clissold Parade, Campsie
NCA 04_Med_4568	Medical	129 Canterbury Road, Canterbury
NCA 06_Med_3444	Medical	12a Campsie Street, Campsie
NCA 06_Med_1604	Medical	147 Beamish Street, Campsie
NCA 06_Med_4765	Medical	154 Beamish Street, Campsie
NCA 06_Med_1081	Medical	17 Anglo Road, Campsie
NCA 06_Med_4446	Medical	180 Beamish Street, Campsie

Receiver ID	Receiver Type	Receiver Address
NCA 03_Med_4628	Medical	19 Crinan Street, Hurlstone Park
NCA 06_Med_4652	Medical	20-24 Ninth Avenue, Campsie
NCA 06_Med_4414	Medical	2-16 Anglo Road, Campsie
NCA 03_Med_4778	Medical	23 Crinan Street, Hurlstone Park
NCA 02_Med_1086	Medical	241 Wardell Road, Dulwich Hill
NCA 06_Med_1190	Medical	247-249 Beamish Street, Campsie
NCA 06_Med_1092	Medical	261 Beamish Street, Campsie
NCA 08_MED_8142	Medical	27-31 Railway Parade, Lakemba
NCA 01_Med_2182	Medical	315-317 Illawarra Road, Marrickville
NCA 01_Med_2171	Medical	376 Illawarra Road, Marrickville
NCA 01_Med_3638	Medical	385 Illawarra Road, Marrickville
NCA 01_Med_1102	Medical	397 Illawarra Road, Marrickville
NCA 06_Med_4446	Medical	42-42a North Parade, Campsie
NCA 06_Med_4400	Medical	48 South Parade, Campsie
NCA 06_Med_2104	Medical	7 Duke Street, Campsie
NCA 10_MED_7070	Medical	759 Punchbowl Road, Punchbowl
NCA 12_MED_5637	Medical	258 South Terrace, Bankstown
NCA 10_POW_6870	Place of Worship	1 Catherine Street, Punchbowl
NCA 10_POW_6463	Place of Worship	11-15 Broadway, Punchbowl
NCA 09_POW_7169	Place of Worship	114-118 King Georges Road, Wiley Park
NCA 08_POW_5779	Place of Worship	154-158 Lakemba Street, Lakemba
NCA 10_POW_6196	Place of Worship	19 Myall Street, Punchbowl
NCA 10_POW_6044	Place of Worship	20 Arthur Street, Punchbowl
NCA 08_POW_7427	Place of Worship	20 Ernest Street, Lakemba
NCA 02_PoW_1130	Place of Worship	205 Livingstone Road, Marrickville
NCA 10_POW_7430	Place of Worship	25 Kelly Street, Punchbowl
NCA 06_PoW_1144	Place of Worship	26 Anglo Road, Campsie
NCA 10_POW_5771	Place of Worship	29-47 Rossmore Avenue, Punchbowl
NCA 07_POW_7103	Place of Worship	31-33 Isabel Street, Belmore
NCA 06_PoW_1411	Place of Worship	34 North Parade, Campsie
NCA 01_PoW_1106	Place of Worship	389 Illawarra Road, Marrickville
NCA 02_PoW_2504	Place of Worship	43 Robert Street, Marrickville
NCA 13_POW_7662	Place of Worship	4-6 Weigand Avenue, Bankstown
NCA 02_PoW_2504	Place of Worship	47 Robert Street, Marrickville
NCA 07_POW_6348	Place of Worship	50-52 Etela Street, Belmore
NCA 09_POW_8212	Place of Worship	63 Railway Parade, Lakemba
NCA 03_PoW_2022	Place of Worship	67a Duntroon Street, Hurlstone Park
NCA 08_POW_7681	Place of Worship	69-75 Haldon Street, Lakemba
NCA 06_PoW_1087	Place of Worship	7 Evaline Street, Campsie

2.4 Heritage

There are a number of heritage listed structures within the project area. The majority of those are the stations within the rail corridor. It is noted that these works will not take place within any of the stations. There are a small number of heritage listed structures close to the rail line however not in locations close to any vibrations intensive work and therefore not expected to be negatively impacted by vibration intensive construction works.

The Cooks River Bridge is a heritage structure that will be potentially impacted by the SMC construction works is the Cooks River Bridge. There has already been construction on and around this bridge as part of earlier Sydney Metro works, and the remaining work is not considered vibration intensive.

The BEW may have potential impact on the platforms of the Bankstown Railway Station Group (s170 listed) from piling, the use of vibrating rollers and excavators with hammers.

3 SUMMARY OF CONSTRUCTION WORKS

Construction works associated with this project are expected to run from October 2020 until December 2022. As all works will occur within an operational rail corridor and in order to allow for the continued operation of the Sydney rail network, they will often take place during possessions overnight and on weekends.

The construction periods as defined in the CNVS are presented in Table 4-1, below in section 4. Construction works for this project will occur throughout all of these periods.

For this assessment a number of scenarios have been assessed. These scenarios have been chosen to capture each of the main construction activities and to predict the typical and worst-case noise impacts on surrounding receivers. The construction scenarios that have been assessed are presented in Table 3-1, along with the proposed equipment and noise levels. Additional scenarios for the Bankstown Early Works have been included in Table 3-2.

The scenarios will use relatively noisy equipment and will occur close to sensitive receivers. In addition, these works will often occur outside of normal construction hours, when the noise impact is greatest. The locations along the project site the works will occur is also presented in the Tables below.

The worst-case activities during each relevant time period, considering both the *ICNG* and *CNVS*, have been identified and form the focus of this assessment. On this basis, it is critical to note that a worst case 15-minute noise level is predicted and that during the period of work noise levels are likely to be lower for most of the time.

Table 3-1 Summary of works and sound power levels

	Description	Location	Work Period	Main Equipment Used	Typical L _w	
					L _{Aeq,15min}	L _{Amax}
Sc_01	Main compound	Close Street, Canterbury	Standard and OOH	Site utes	99	110
				Delivery trucks	103	
				Lighting towers	101	
Sc_02	Demolition of	Various	Standard	Front end loader	112	123

	Description	Location	Work Period	Main Equipment Used	Typical Lw	
					LAeq,15min	LAmix
	ATRC infrastructure and removal of existing tracks	locations along length of work site	and OOH	24t excavator	107	
				Dump truck	107	
				Rail saw	116	
				Crane truck	105	
				13t excavator w hammer	118	
Sc_03	Fencing	Various locations along length of site	Standard and OOH	2t tipper	101	112
				multi-crane	105	
				Concrete Truck	102	
				Concrete pump	102	
				hand tools	73	
				Grinders	107	
				Telehandler	105	
Sc_04	Combined Services Route	Site wide	Standard and OOH	Vacuum truck	107	114
				6t excavator	103	
				2t tipper	101	
				hand tools	73	
				grinders	107	
				multi-crane	105	
				whacker packer	110	
Sc_05	Retaining Walls	West of Lakemba station	Standard and OOH	EWP	100	115
				13t Excavator	106	
				Bored Piling Rig	108	
				Concrete truck	102	
				Concrete pump	102	
				Vacuum Truck	107	
				multi-crane	105	
				130t Crane	101	
				24t Excavator	106	
				6t vibratory roller	105	
Sc_06	Overhead wire works	Various locations along length of site	Standard and OOH	Truck and dog	107	112
				Bogie	101	
				24t excavator	106	
				Concrete truck	102	
				Concrete pump	102	
Sc_07	Civil works	Various locations along length of site	Standard and OOH	Crane truck	105	115
				EWP	100	
				12t vibratory roller	110	
				Dump truck	107	
				24t excavator	106	

Description	Location	Work Period	Main Equipment Used	Typical Lw	
				LAeq,15min	LAmix
Sc_08	Track works	Standard and OOH	Front end loader	112	122
			24t excavator	107	
			Dump truck	107	
			12t vibratory roller	110	
			Tamper	115	
			Regulator	110	
			Rail saw	116	

Note: **BOLD** indicates that the activity is considered to be particularly annoying to nearby residents due to noise character and therefore a 5dB penalty is to be applied at the receivers as specified in the ICNG.

Table 3-2 Bankstown Early Works additional scenarios

Description	Location	Work Period	Main Equipment Used	Typical Lw	
				LAeq,15min	LAmix
B_01	Drainage	Standard and OOH	13t excavator	106	114
			Trench roller	105	
			Wacker packer	110	
			Telehandler	105	
			Bogie	101	
			Vacuum truck	107	
B_02	Fencing	Standard and OOH	2t tipper	101	112
			Multi-crane	105	
			Concrete truck	102	
			Concrete pump	102	
			Hand tools	73	
			Grinders	107	
			Telehandler	105	
B_03	Combined Services Route	Standard and OOH	Vacuum truck	107	114
			6t excavator	103	
			2t tipper	101	
			Hand tools	73	
			Grinders	107	
			Multi-crane	105	
			Wacker packer	110	
			EWP	100	
B_04	Service building	Standard and OOH	CFA piling rig	108	115
			Vacuum truck	107	
			Telehandler	105	
			Concrete truck	102	
			Concrete pump	102	

Description	Location	Work Period	Main Equipment Used	Typical Lw	
				LAeq,15min	LAmix
			24t excavator	106	
			Delivery trucks	103	
			2t tipper	101	
			Powered hand tools	107	
			EWP	100	
			120t crane	101	
B_05	Overhead wire works	East of Bankstown Station	Standard and OOH	24t excavator	124
				Concrete truck	
				Concrete pump	
				Crane truck	
				EWP	
				Dump truck	
				24t excavator with hammer	
B_06	Utility works	East of Bankstown Station	OOH	Concrete saw	120
				Jackhammer	
				13t excavator	
				Bogie	
				Wacker packer	
B_07	Track works	East of Bankstown Station	Standard and OOH	Front end loader	122
				24t excavator	
				Dump truck	
				13t vibratory roller	
				Tamper	
				Regulator	
				Rail saw	
B_08	Platform works	East of Bankstown Station	Standard and OOH	CFA piling rig	115
				Vacuum truck	
				Telehandler	
				Concrete truck	
				Concrete pump	
				24t excavator	
				Delivery trucks	
				2t tipper	
				Powered hand tools	
				EWP	
				120t crane	
B_09	Tree removal	East of Bankstown	Standard and OOH	Chainsaw (up to two at any one time)	119

Description		Location	Work Period	Main Equipment Used	Typical Lw	
					LAeq,15min	LAmix
B_10	Main compound and stockpile site	Operation of site compound at Bankstown North Terrace and temporary stockpile location at Sydney Trains Marion Street site.	Standard and OOH	20t excavator	106	110
				Backhoe	95	
				35t crane (three)	99	
				Site utes	99	
				Delivery trucks	103	
				Lighting towers	101	

4 NOISE MANAGEMENT LEVELS

4.1 Construction Hours

As per Condition L4.1 of the EPL, construction is permitted between the hours of 7.00am and 6.00pm Monday to Friday, and 8.00am and 1.00pm Saturday. CoA E19 permits construction during the same hours, with the exception of Saturday (8.00am to 6.00pm). For works within the rail corridor, and subsequently the boundary of the EPL, the EPL takes precedence. Construction is therefore not permitted outside the hours specified in the EPL unless an Out of Hours Work approval is obtained, as per CoA E25, or the works meet the requirements of CoA E20 as below.

CoA E20 Notwithstanding Conditions E19 and E24 Work may be undertaken outside the hours specified in the following circumstances:

- for the delivery of materials required by the NSW Police Force or other authority for safety reasons; or
- where it is required in an emergency to avoid injury or the loss of life, to avoid damage or loss of property or to prevent environmental harm; or
- where different Construction hours are permitted or required under an EPL in force in respect of the CSSI; or
- Work approved under an Out-of-Hours Work Protocol for Work not subject to an EPL as required by Condition E25; or
- Construction that causes L_{Aeq(15 minute)} noise levels:
 - no more than 5 dB(A) above the rating background level at any residence in accordance with the *Interim Construction Noise Guideline (DECC, 2009)*, and

- ii. no more than the 'Noise affected' noise management levels specified in Table 3 of the *Interim Construction Noise Guideline (DECC, 2009)* at other sensitive land uses, and
- iii. continuous or impulsive vibration values, measured at the most affected residence are no more than the maximum values for human exposure to vibration, specified in Table 2.2 of *Assessing Vibration: a technical guideline (DEC, 2006)*, and
- iv. intermittent vibration values measured at the most affected residence are no more than the maximum values for human exposure to vibration, specified in Table 2.4 of *Assessing Vibration: a technical guideline (DEC, 2006)*; or
- f) where a negotiated agreement has been reached with a substantial majority of sensitive receivers who are within the vicinity of and may be potentially affected by the particular Construction, and the noise management levels and/or limit for ground-borne noise and vibration (human comfort) cannot be achieved. All agreements must be in writing and a copy forwarded to the Planning Secretary at least one (1) week before the commencement of activities.

The CNVS presents a methodology for determining numerical limits – or Noise Management Levels (NMLs) – for the impacts of construction noise on residences and other land uses according to the time period during which the noise occurs. This methodology was derived from the *ICNG* but has been refined for the Sydney Metro project.

4.2 Airborne Construction Noise

Noise Management Levels (NMLs) for residential land uses are presented in Table 4-1.

Table 4-1 Residential noise management levels

Time of Day	Management Level $L_{Aeq(15min)}$	How to Apply
Recommended		
Standard Hours:		
Monday to Friday		The noise affected level represents the point above which there may be some community reaction to noise.
7am to 6pm	Noise affected	Where the predicted or measured $L_{Aeq(15min)}$ is greater than the noise affected level, the proponent would apply all feasible and reasonable work practices to minimise noise.
Saturday	RBL + 10dB	
8am to 1pm		The proponent should also inform all potentially impacted residents of the nature of works to be carried out, the expected noise levels and duration, as well as contact details.
No work on		
Sundays or Public		

Time of Day	Management Level $L_{Aeq(15min)}$	How to Apply
Holidays	Highly noise affected 75dB	The highly noise affected level represents the point above which there may be strong community reaction to noise. Where noise is above this level, the proponent would consider very carefully if there is any other feasible and reasonable way to reduce noise to below this level. If no quieter work method is feasible and reasonable, and the works proceed, the proponent would communicate with the impacted residents by clearly explaining the duration and noise level of the works, and by describing any respite periods that will be provided.
Outside Recommended Standard Hours	Noise affected RBL + 5dB	A strong justification would typically be required for works outside the recommended standard hours. The proponent would apply all feasible and reasonable work practices to meet the noise affected level. Where all feasible and reasonable practices have been applied and noise is more than 5dBA above the noise affected level, the proponent would negotiate with the community. For guidance on negotiating agreements see section 7.2.2 of the ICNG.

The NMLs for other land uses as outlined in the CNVS, applicable to this project are presented in Table 4-2.

Table 4-2 Non-residential noise management levels

Land Use	Noise Management Level
Commercial premises	External noise level $L_{Aeq(15min)}$ 70dB
Industrial premises	External noise level $L_{Aeq(15min)}$ 75dB
Classrooms at schools and other educational institutions	Internal noise level $L_{Aeq(15min)}$ 45dB
Hospital wards and operating theatres	Internal noise level $L_{Aeq(15min)}$ 45dB
Places of worship	Internal noise level $L_{Aeq(15min)}$ 45dB
Active recreation areas (such as parks and sports grounds or playgrounds)	External noise level $L_{Aeq(15min)}$ 65dB
Passive recreation areas (such as outdoor grounds used for teaching, outdoor cafes or restaurants)	External noise level $L_{Aeq(15min)}$ 60dB
Child care centres	External noise level $L_{Aeq(1hr)}$ 55dB Internal noise level $L_{Aeq(1hr)}$ 40dB
Hotel – bars and lounges (day and evening period)	Internal noise level $L_{Aeq(15min)}$ 50dB
Hotel – sleeping areas (night period)	Internal noise level $L_{Aeq(15min)}$ 40dB
Cafés, bars and restaurants	Internal noise level $L_{Aeq(15min)}$ 50dB

Libraries	Internal noise level $L_{Aeq(15min)}$ 45dB
Recording Studios	Internal noise level $L_{Aeq(15min)}$ 25dB
Theatres / Auditoriums	Internal noise level $L_{Aeq(15min)}$ 30dB

The noise management levels for residential, commercial and industrial receivers are applicable to external areas of the premises. When assessing other sensitive non-residential receivers with internal noise criteria, such as education facility, place of worship or medical centre, a 10dB reduction through a partially open window can be assumed, as detailed in the ICNG and CNVMP. This allows for predictions to external areas of the premises.

Based on the background ambient noise levels, the Noise Management Levels presented in Table 4-3 have been established. In compliance with INP the NML for the evening period at NCA 02 has been reduced to the NML during the day.

Table 4-3 Project noise management levels – $L_{Aeq,15min}$

Receiver Type	Standard Hours (RBL +10dB)	Outside Recommended Standard Hours (RBL +5dB)		
	Day	Day (Saturday & Sunday)	Evening	Night
Residential NCA 01	48	43	43	38
Residential NCA 02	48	43	43	38
Residential NCA 03	48	43	43	39
Residential NCA 04	50	45	45	40
Residential NCA 05	46	41	41	37
Residential NCA 06	55	50	47	40
Residential NCA 07	51	46	46	40
Residential NCA 08	57	52	52	46
Residential NCA 09	54	49	49	41
Residential NCA 10	57	52	52	46
Residential NCA 11	57	52	52	44
Residential NCA 12	64	59	56	47
Residential NCA 13	52	47	47	44

4.3 High Impact Noise

CoA-E24 places further restrictions on the hours that 'high noise impact' generating activities may occur, except as permitted by an EPL. Construction works and activities with the potential to generate high noise impact will be scheduled to occur between the hours of;

- 8:00am to 6:00pm Mondays to Fridays, inclusive;
- 8:00am to 1:00pm Saturdays; and
- In continuous blocks not exceeding three hours each with a minimum respite from those activities and Works of not less than one hour between each block.

EPL Condition L4.4 states: "With regard to construction activities any high noise impact generating works must only be undertaken:

- a) between the hours of 8:00am and 10:00pm Monday to Friday;
- b) between the hours of 8:00am and 1:00pm Saturdays and Sundays; and
- c) where the high noise impact generating works are likely to impact the same noise sensitive receivers, in blocks of no more than 3 hours, with at least a 1 hour respite between each block of work."

As such, high impact noise generating works within the rail corridor will be undertaken in accordance with the hours stipulated in EPL Condition L4.4. High impact noise generating works outside the rail corridor will be undertaken in accordance with the hours stipulated in CoA E24.

4.4 Sleep Disturbance

Section 12.2 of the Sydney Metro City and Southwest – Sydenham to Bankstown Upgrade Environmental Impact Statement (EIS) states "The appropriate screening criterion for sleep disturbance is a maximum level of 15 dB above the RBL, during the night time period (10pm to 7am). Where this criterion is met, sleep disturbance is unlikely for the majority of people, but where it is not met, a more detailed analysis is required."

The CNVS provides further assessment of sleep disturbance, indicating that one or two events per night, with maximum internal noise levels of 65-70dBA, are not likely to affect health and wellbeing significantly.

Sleep disturbance rating background levels and screening criteria are presented in Table 4-4.

Table 4-4 Sleep Disturbance Rating background levels

Area		Night RBL 10pm-7am	Sleep Disturbance Screening Criterion L _{AMAX}
NCA 01	Marrickville	33	48
NCA 02	Dulwich Hill	33	48
NCA 03	Hurlstone Park	34	49
NCA 04	Canterbury	35	50
NCA 05	Canterbury	32	47
NCA 06	Campsie	35	50
NCA 07	Belmore	35	50
NCA 08	Lakemba	41	56
NCA 09	Wiley Park	36	51
NCA 10	Punchbowl	41	56
NCA 11	Bankstown	39	54
NCA 12	Bankstown	42	57
NCA 13	Bankstown	39	54

4.5 Construction Traffic Noise

As described in the CNVMP and the CNVS there are no specific traffic noise criteria relating to

construction work. Criteria are therefore adopted from Road Noise Policy (RNP) published by the EPA.

The CNVS states that construction traffic noise management levels are set 2dB above the existing road traffic noise levels during the day and night periods. Where the road traffic noise levels are predicted to increase by more than 2dB as a result of construction traffic, consideration is to be given to reasonable and feasible mitigation measures. In considering these mitigation measures, consideration would also be given to the actual noise levels associated with the construction traffic and whether or not these levels comply with the criteria in the RNP. These criteria are presented in Table 4-5.

Table 4-5 Road traffic noise criteria

Road Type	Period	Criteria
Freeway	Day	L _{Aeq} (15 hour) 60dB
Arterial	Night	L _{Aeq} (9 hour) 55dB
Sub Arterial		
Local	Day	L _{Aeq} (15 hour) 55dB
	Night	L _{Aeq} (9 hour) 50dB

5 PREDICTION & ASSESSMENT OF NOISE LEVELS

5.1 Methodology of Predictions

Site related noise emissions were modelled using the CadnaA noise prediction software. To complete this, a representative 3-D model within the software was constructed of the site and surrounding receivers.

Factors that are addressed in the modelling are:

- source sound level emissions and locations;
- screening effects from buildings
- receiver locations;
- ground topography;
- noise attenuation due to geometric spreading; and
- atmospheric absorption and ground effects.

Detailed topographic information has been sourced from NSW Government – Land & Property Information and used in our acoustic model.

The modelling software allows for ground effects (assigned as 50% hard ground on this project), air absorption, distance attenuation and shielding from the terrain as well as buildings. A 10m x 10m grid has been used to generate contours for predictions.

5.2 Standard Mitigation Measures

As identified in the Construction Noise and Vibration Management Plan, the most practical approach to minimise noise impact on surrounding receivers is to implement common sense noise management measures. These measures outlined in the CNVMP and summarised below have been considered during the prediction of noise impacts in this CNVIS. These SMM are to be implemented whenever possible to ensure that actual noise impacts do not exceed the predicted levels.

The following Standard Mitigation Measures (SMM) for site noise have been discussed in the CNVMP and should be implemented where practicable.

- The layout of construction sites will aim to minimise airborne noise impacts to surrounding receivers.
- Residential grade mufflers would be fitted to all mobile plant.
- Selection of low noise / vibration generating equipment for use on site, when a range of equipment types is available.
- Scheduling respite – three hours 'on' and one hour 'off' for activities identified as high noise / vibration intensive activities.
- Where there is flexibility as to where equipment can be located or operated, ensure that the equipment is located as far as practicable from nearby residential receivers.
- Avoid loading and unloading of trucks at locations on the site which are close to residential receivers.
- Construction equipment and trucks on site are to be fitted with non-tonal reversing alarms (also known as "quackers"). This approach will extend to hire equipment including EWP that will be fitted with non-tonal booms.
- The mitigation measures outlined within Section 7 of the CNVS are to be applied. These include;
 - o Construction hours would be in accordance with the *ICNG*, project approvals and the EPL, except where otherwise specified in an approved noise management plan.
 - o When working adjacent to schools, medical facilities and childcare centres, particularly noisy activities would be scheduled outside normal working hours, where feasible and reasonable.
 - o When working adjacent to churches and places of worship particularly noisy activities would be scheduled outside services, where feasible and reasonable.
 - o Avoiding the coincidence of noisy plant working simultaneously close together and adjacent to sensitive receivers will result in reduced noise emissions.
 - o Where feasible and reasonable, the offset distance between noisy plant items and nearby noise sensitive receivers would be as great as possible.
 - o Regular compliance checks on the noise emissions of all plant and machinery used for the project would indicate whether noise emissions from plant items were higher than predicted. This also identifies defective silencing equipment on

the items of plant.

- o Ongoing noise monitoring during construction at sensitive receivers during critical periods (i.e. times when noise emissions are expected to be at their highest – e.g. piling and hammering) to identify and assist in managing high risk noise events.
- o Where feasible and reasonable heavy vehicle movements would be limited to daytime hours.
- o The implementation of procedures to maximise the night time onsite spoil storage capacity where spoil is produced between the hours of 10.00pm and 7.00am.

Further Standard Mitigation Measures have been discussed in the CNVMP and are summarised below.

- Not Scheduling Work during the Night – It is understood that most of the works must be completed during a scheduled possession and therefore works will be undertaken for extended periods of time. All planning is to be undertaken to allocate the noisiest works during the less sensitive day period, followed by the evening period. For night works, the period before midnight is generally considered less sensitive than after midnight.
- Environmental Inductions – All personnel inducted onto the project should be trained in order to raise their awareness of potential noise problems. This includes identifying noise sensitive receivers. As a result of this, operators should increase their use of techniques to minimise noise emission.
- Cumulative Impacts – Consultation with other construction projects within the vicinity to mitigate cumulative impacts from multiple work fronts should be undertaken. This will include coordinating works to provide respite for receivers, coordinating work locations to mitigate cumulative impacts and coordinating communications to receivers. The most notable other works in the vicinity of these works are the Sydenham Station and Junction (SSJ) project, the Line Wide works and the South West Metro Main Works. Other potential works include Sydney Trains maintenance works, Inner West Council works and City of Canterbury Bankstown works.
- Community Consultation – Regular consultation with the surrounding community has been identified as a major factor in controlling the negative reaction to the inevitable noise emanating from the construction site. Notifications to the community will include work hours, activities and plant and contact details for complaints and enquiries.

5.3 Predicted Construction Noise Levels

Predicted worst case noise levels at all nearby receivers for each construction scenario, as well as the applicable NML, are presented in the following tables. Noise contours are provided in Appendix B and a full list of predicted noise levels for each receiver is provided in Appendix C.

Works for all scenarios are expected to occur outside standard working hours. The OOH works are likely to occur during daytime, evening and night time. Accordingly, the NML for OOH works in the table is for night time, as this assesses the worst potential impact. Predicted L_{Amax} noise levels are also presented for these scenarios.

5.3.1 Scenario 1 Effect on Residential Receivers

Table 5-1 Predicted worst-case residential noise levels for Scenario 1 - OOH

Receiver	NML	Predicted Worst-Case $L_{Aeq,15min}$	Sleep Disturbance Screening Criteria	Predicted L_{Amax}
NCA 01	38	0	48	0
NCA 02	38	22	48	46
NCA 03	39	42	49	67
NCA 04	40	65	50	91
NCA 05	37	29	47	55
NCA 06	40	26	50	51
NCA 07	40	0	50	0
NCA 08	46	0	56	0
NCA 09	41	0	51	0
NCA 10	46	0	56	0
NCA 11	44	0	54	0
NCA 12	47	0	57	0
NCA 13	44	0	54	0

Noise levels shaded light blue indicate exceedances above the applicable NML. Noise levels shaded green exceed the sleep disturbance screening criteria.

During Scenario 1 exceedances of the NML for residential receivers are predicted in NCA 03 and NCA 04 only. The Highly Noise Affected Management Level of $L_{Aeq(15min)}$ 75dBA is not predicted to be exceeded.

The sleep disturbance level is predicted to be exceeded in NCA 03, NCA 04, NCA 05 and NCA 06.

Scenario 1 represents the operation of the main compound. As this site is likely to remain in place for the duration of the works a barrier should be erected around the compound. At receiver mitigation is unlikely to be a viable long-term solution so mitigation of the noise sources should be investigated, particularly at night to minimise short term maximum noise events.

5.3.2 Scenario 2 Effect on Residential Receivers

Table 5-2 Predicted worst-case residential noise levels for Scenario 2 – OOH

Receiver	NML	Predicted Worst-Case $L_{Aeq,15min}$	Sleep Disturbance Screening Criteria	Predicted L_{Amax}
NCA 01	38	97	48	113
NCA 02	38	93	48	109
NCA 03	39	91	49	107

NCA 04	40	92	50	108
NCA 05	37	89	47	105
NCA 06	40	89	50	105
NCA 07	40	63	50	79
NCA 08	46	47	56	63
NCA 09	41	0	51	0
NCA 10	46	0	56	0
NCA 11	44	0	54	0
NCA 12	47	0	57	0
NCA 13	44	0	54	0

Noise levels shaded light blue indicate exceedances above the applicable NML. Noise levels shaded green exceed the sleep disturbance screening criteria.

During Scenario 2 exceedances of the NML for residential receivers are predicted in all noise catchment areas from NCA 01 to NCA 08. The Highly Noise Affected Management Level of $L_{Aeq(15min)}$ 75dBA is predicted to be exceeded from NCA 01 to NCA 06.

The sleep disturbance level is predicted to be exceeded in all NCAs from NCA 01 to NCA 08.

Scenario 2 represents the works to demolish existing ATRC infrastructure and removal of existing tracks. These works will only take place between NCA 01 and NCA 08. The short-term nature of these works mean temporary noise barriers are unlikely to be a viable form of mitigation. Emphasis should therefore be placed on minimising noise levels using the other standard mitigation measures. At receiver mitigation may be required for these works.

5.3.3 Scenario 3 Effect on Residential Receivers

Table 5-3 Predicted worst-case residential noise levels for Scenario 3 – OOH

Receiver	NML	Predicted Worst-Case $L_{Aeq,15min}$	Sleep Disturbance Screening Criteria	Predicted L_{Amax}
NCA 01	38	86	48	108
NCA 02	38	86	48	108
NCA 03	39	87	49	109
NCA 04	40	86	50	107
NCA 05	37	75	47	97
NCA 06	40	85	50	107
NCA 07	40	86	50	108
NCA 08	46	71	56	93
NCA 09	41	80	51	102
NCA 10	46	71	56	91
NCA 11	44	78	54	100
NCA 12	47	0	57	0

NCA 13	44	38	54	57
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Noise levels shaded light blue indicate exceedances above the applicable NML. Noise levels shaded green exceed the sleep disturbance screening criteria.

During Scenario 3 exceedances of the NML for residential receivers are predicted in all noise catchment areas other than NCA 12 (no residential receivers) and NCA 13. The Highly Noise Affected Management Level of $L_{Aeq(15min)}$ 75dBA is predicted to be exceeded in each if these noise catchment areas.

The sleep disturbance levels are predicted to be exceeded in all noise catchment areas other than NCA12.

Scenario 3 represents the installation of fencing along the rail corridor. Receivers are located close to the work areas on both the north and south side of the track, and due to the mobile nature of this work temporary barriers are unlikely to be a viable form of mitigation. Emphasis should therefore be placed on minimising noise levels using the other standard mitigation measures. At receiver mitigation may be required for these works.

5.3.4 Scenario 4 Effect on Residential Receivers

Table 5-4 Predicted worst-case residential noise levels for Scenario 4 - OOH

Receiver	NML	Predicted Worst-Case $L_{Aeq,15min}$	Sleep Disturbance Screening Criteria	Predicted L_{Amax}
NCA 01	38	75	48	97
NCA 02	38	73	48	96
NCA 03	39	70	49	92
NCA 04	40	68	50	91
NCA 05	37	63	47	82
NCA 06	40	78	50	100
NCA 07	40	72	50	93
NCA 08	46	70	56	93
NCA 09	41	79	51	101
NCA 10	46	71	56	93
NCA 11	44	68	54	89
NCA 12	47	0	57	0
NCA 13	44	24	54	46

Noise levels shaded light blue indicate exceedances above the applicable NML. Noise levels shaded green exceed the sleep disturbance screening criteria.

During Scenario 4 exceedances of the NML for residential receivers are predicted in all noise catchment areas other than NCA 12 (no residential receivers) and NCA 13. The Highly Noise Affected Management Level of $L_{Aeq(15min)}$ 75dBA is predicted to be exceeded in each if these noise catchment areas.

The sleep disturbance levels are predicted to be exceeded in all noise catchment areas other than

NCA12 and NCA 13.

Scenario 4 represents the combined services route installation. Receivers are located close to the work areas on both the north and south side of the track, and due to the mobile nature of the proposed plant temporary barriers are unlikely to be a viable form of mitigation. Emphasis should therefore be placed on minimising noise levels using the other standard mitigation measures. At receiver mitigation may be required for these works.

5.3.5 Scenario 5 Effect on Residential Receivers

Table 5-5 Predicted worst-case residential noise levels for Scenario 5 - OOH

Receiver	NML	Predicted Worst-Case L _{Aeq,15min}	Sleep Disturbance Screening Criteria	Predicted L _{Amax}
NCA 01	38	0	48	0
NCA 02	38	0	48	0
NCA 03	39	0	49	0
NCA 04	40	0	50	0
NCA 05	37	0	47	0
NCA 06	40	0	50	0
NCA 07	40	37	50	36
NCA 08	46	72	56	71
NCA 09	41	63	51	61
NCA 10	46	36	56	34
NCA 11	44	23	54	21
NCA 12	47	0	57	0
NCA 13	44	0	54	0

Noise levels shaded light blue indicate exceedances above the applicable NML. Noise levels shaded green exceed the sleep disturbance screening criteria.

During Scenario 5 exceedances of the NML for residential receivers are predicted in NCA 08 and NCA 09 only. The Highly Noise Affected Management Level of L_{Aeq(15min)} 75dBA is not predicted to be exceeded.

The sleep disturbance levels are predicted to be exceeded in NCA 08 and NCA 09.

Scenario 5 represents the construction of a retaining wall to the west of Lakemba Station. Receivers are located close to the work areas on both the north and south side of the track. This work is scheduled to occur in one location only therefore the feasibility of installing temporary noise barriers should be investigated. At receiver mitigation may be required for these works.

5.3.6 Scenario 6 Effect on Residential Receivers

Table 5-6 Predicted worst-case residential noise levels for Scenario 6 - OOH

Receiver	NML	Predicted Worst-Case L _{Aeq,15min}	Sleep Disturbance Screening Criteria	Predicted L _{Amax}
NCA 01	38	73	48	97
NCA 02	38	71	48	88
NCA 03	39	71	49	97
NCA 04	40	57	50	83
NCA 05	37	71	47	89
NCA 06	40	71	50	93
NCA 07	40	69	50	93
NCA 08	46	69	56	90
NCA 09	41	65	51	89
NCA 10	46	66	56	89
NCA 11	44	70	54	94
NCA 12	47	0	57	0
NCA 13	44	27	54	50

Noise levels shaded light blue indicate exceedances above the applicable NML. Noise levels shaded green exceed the sleep disturbance screening criteria.

During Scenario 6 exceedances of the NML for residential receivers are predicted in all noise catchment areas other than NCA 12 (no residential receivers) and NCA 13. The Highly Noise Affected Management Level of L_{Aeq(15min)} 75dBA is not predicted to be exceeded in any of these noise catchment areas.

The sleep disturbance levels are predicted to be exceeded in all noise catchment areas other than NCA12 and NCA 13.

Scenario 6 represents the overhead wires works and will occur at various locations around the site. Due to the sort term and mobile nature of these works temporary barriers are unlikely to be a viable form of mitigation. Emphasis should therefore be placed on minimising noise levels using the other standard mitigation measures. At receiver mitigation may be required for these works.

5.3.7 Scenario 7 Effect on Residential Receivers

Table 5-7 Predicted worst-case residential noise levels for Scenario 7 - OOH

Receiver	NML	Predicted Worst-Case L _{Aeq,15min}	Sleep Disturbance Screening Criteria	Predicted L _{Amax}
NCA 01	38	54	48	54

Receiver	NML	Predicted Worst-Case $L_{Aeq,15min}$	Sleep Disturbance Screening Criteria	Predicted L_{Amax}
NCA 02	38	86	48	86
NCA 03	39	74	49	74
NCA 04	40	71	50	71
NCA 05	37	74	47	74
NCA 06	40	77	50	77
NCA 07	40	59	50	59
NCA 08	46	75	56	75
NCA 09	41	53	51	52
NCA 10	46	74	56	74
NCA 11	44	71	54	71
NCA 12	47	0	57	0
NCA 13	44	26	54	26

Noise levels shaded light blue indicate exceedances above the applicable NML. Noise levels shaded green exceed the sleep disturbance screening criteria.

During Scenario 7 exceedances of the NML for residential receivers are predicted in all noise catchment areas other than NCA 12 (no residential receivers) and NCA 13. The Highly Noise Affected Management Level of $L_{Aeq(15min)}$ 75dBA is predicted to be exceeded in NCA 02 and NCA 06. The sleep disturbance levels are predicted to be exceeded in all noise catchment areas other than NCA12 and NCA 13.

Scenario 7 represents the civil works for this project. Due to the sort term and mobile nature of these works temporary barriers are unlikely to be a viable form of mitigation. Emphasis should therefore be placed on minimising noise levels using the other standard mitigation measures. At receiver mitigation may be required for these works.

5.3.8 Scenario 8 Effect on Residential Receivers

Table 5-8 Predicted worst-case residential noise levels for Scenario 8 - OOH

Receiver	NML	Predicted Worst-Case $L_{Aeq,15min}$	Sleep Disturbance Screening Criteria	Predicted L_{Amax}
NCA 01	38	0	48	0
NCA 02	38	0	48	0
NCA 03	39	39	49	39
NCA 04	40	46	50	46
NCA 05	37	77	47	77
NCA 06	40	82	50	82
NCA 07	40	66	50	66
NCA 08	46	41	56	41

Receiver	NML	Predicted Worst-Case L _{Aeq,15min}	Sleep Disturbance Screening Criteria	Predicted L _{Amax}
NCA 09	41	0	51	0
NCA 10	46	0	56	0
NCA 11	44	0	54	0
NCA 12	47	0	57	0
NCA 13	44	0	54	0

Noise levels shaded light blue indicate exceedances above the applicable NML. Noise levels shaded green exceed the sleep disturbance screening criteria.

During Scenario 8 exceedances of the NML for residential receivers are predicted in NCA 04, NCA 05, NCA 06 and NCA 07 only. The Highly Noise Affected Management Level of L_{Aeq(15min)} 75dBA is predicted to be exceeded in NCA 05 and NCA 06.

The sleep disturbance levels are predicted to be exceeded in NCA 05, NCA 06 and NCA 07.

Scenario 8 represents the track work required either side of Campsie Station. Due to the sort term and mobile nature of these works temporary barriers are unlikely to be a viable form of mitigation. Emphasis should therefore be placed on minimising noise levels using the other standard mitigation measures. At receiver mitigation may be required for these works.

5.3.9 All Scenarios Effect on Commercial Receivers

Table 5-9 Predicted worst-case noise levels for commercial receivers

	Predicted Worst-Case L _{Aeq,15min}							
	Sc01	Sc02	Sc03	Sc04	Sc05	Sc06	Sc07	Sc08
NML	70							
NCA 01	0	85	67	54	0	70	41	0
NCA 02	16	81	58	46	0	70	52	0
NCA 03	22	81	62	34	0	58	37	0
NCA 04	66	83	66	41	0	43	42	46
NCA 05	23	80	67	40	0	53	48	51
NCA 06	25	89	72	66	0	71	53	68
NCA 07	0	53	79	75	34	79	41	48
NCA 08	0	40	65	66	57	77	61	38
NCA 09	0	0	63	61	44	46	39	0
NCA 10	0	0	87	68	33	71	80	0
NCA 11	0	0	71	38	0	40	41	0
NCA 12	0	0	61	36	0	37	37	0
NCA 13	0	0	37	24	0	26	25	0

Noise levels shaded light blue indicate exceedances above the applicable NML.

Exceedances of up to 19dBA are predicted at commercial receivers for during scenario 2 and 17dBA for scenario 3. Exceedances are also predicted for scenario 4, scenario 6 and scenario 7.

No other scenarios have predicted exceedances any of the commercial receivers.

It should be noted that it is likely that many of these commercial premises will not be in use out of standard working hours.

5.3.10 All Scenarios Effect on Industrial Receivers

Table 5-10 Predicted worst-case noise levels for industrial receivers

	Predicted Worst-Case $L_{Aeq,15min}$		
	NCA 01	NCA 07	NCA 13
NML		75	
Scenario 01	0	62	61
Scenario 02	0	0	0
Scenario 03	0	0	0
Scenario 04	0	0	0
Scenario 05	0	0	0
Scenario 06	0	0	0
Scenario 07	0	49	83
Scenario 08	0	0	0
Scenario 09	0	0	0
Scenario 10	0	0	0
Scenario 11	0	0	0
Scenario 12	0	0	0
Scenario 13	0	0	32

Note: The only industrial receivers considered in this assessment are located in NCA 01, NCA 07 and NCA 13.

Exceedances of up to 8dBA are predicted at industrial receivers for during scenario 7 in NCA 13.

5.3.11 All Scenarios Effect on Other Receivers

Table 5-11 Predicted worst-case noise levels for other sensitive land use receivers

Receiver ID	Receiver Type	NML	Sc1	Sc2	Sc3	Sc4	Sc5	Sc6	Sc7	Sc8
NCA 02_Caf_4700	Café/Bar/Rest	60	19	72	51	38	0	59	46	0
NCA 02_Caf_1647	Café/Bar/Rest	60	5	61	44	30	0	45	37	0
NCA 02_Caf_6062	Café/Bar/Rest	60	3	75	46	30	0	64	38	0
NCA 03_Caf_6061	Café/Bar/Rest	60	9	59	42	20	0	42	29	0
NCA 03_Caf_6060	Café/Bar/Rest	60	9	78	54	27	0	57	34	0
NCA 04_Caf_4315	Café/Bar/Rest	60	60	91	83	33	0	37	35	38
NCA 04_Caf_6059	Café/Bar/Rest	60	28	57	42	26	0	36	31	38
NCA 06_Caf_6053	Café/Bar/Rest	60	11	58	43	34	0	42	34	46
NCA 06_Caf_6054	Café/Bar/Rest	60	6	58	44	38	0	43	33	45
NCA 06_Caf_6055	Café/Bar/Rest	60	19	80	61	52	0	63	52	66

Receiver ID	Receiver Type	NML	Sc1	Sc2	Sc3	Sc4	Sc5	Sc6	Sc7	Sc8
NCA 06_Caf_6051	Café/Bar/Rest	60	6	54	38	31	0	39	29	44
NCA 06_Caf_6058	Café/Bar/Rest	60	15	56	37	30	0	39	31	41
NCA 06_Caf_6056	Café/Bar/Rest	60	9	66	40	31	0	48	32	49
NCA 06_Caf_6050	Café/Bar/Rest	60	9	55	44	39	0	42	36	46
NCA 01_CCC_2803	Childcare Centre	60	0	50	39	30	0	40	26	0
NCA 03_CCC_5079	Childcare Centre	60	11	80	76	31	0	47	45	0
NCA 03_CCC_5024	Childcare Centre	60	18	81	79	28	0	52	37	0
NCA 03_CCC_2114	Childcare Centre	60	28	66	52	34	0	44	37	0
NCA 06_CCC_4644	Childcare Centre	60	3	72	61	57	0	44	36	47
NCA 06_CCC_1811	Childcare Centre	60	9	57	39	31	0	42	31	44
NCA 06_CCC_1615	Childcare Centre	60	16	66	50	44	0	52	40	58
NCA 06_CCC_6000	Childcare Centre	60	18	65	55	48	0	47	45	54
NCA 07_CCC_7012	Childcare Centre	60	0	52	53	52	32	47	41	49
NCA 07_CCC_7759	Childcare Centre	60	0	47	56	56	24	35	33	43
NCA 08_CCC_5156	Childcare Centre	60	0	0	45	45	46	39	33	0
NCA 08_CCC_6037	Childcare Centre	60	0	29	42	42	44	38	33	32
NCA 08_CCC_8214	Childcare Centre	60	0	42	50	47	29	47	52	39
NCA 10_CCC_5051	Childcare Centre	60	0	0	40	37	15	60	40	0
NCA 10_CCC_5985	Childcare Centre	60	0	0	70	65	0	65	73	0
NCA 10_CCC_6038	Childcare Centre	60	0	0	49	45	22	61	49	0
NCA 10_CCC_6039	Childcare Centre	60	0	0	55	56	21	63	60	0
NCA 10_CCC_6708	Childcare Centre	60	0	0	59	57	28	55	54	0
NCA 10_CCC_7037	Childcare Centre	60	0	0	43	42	30	47	49	0
NCA 10_CCC_7038	Childcare Centre	60	0	0	37	36	27	35	34	0
NCA 01_Edu_1133	Education	60	0	63	49	33	0	47	22	0
NCA 01_Edu_1155	Education	60	0	57	45	33	0	41	40	0
NCA 01_Edu_1126	Education	60	0	57	47	37	0	42	43	0
NCA 01_Edu_1117	Education	60	0	53	41	26	0	38	33	0
NCA 01_Edu_2827	Education	60	0	57	46	33	0	41	41	0
NCA 02_Edu_4373	Education	60	0	61	53	47	0	46	49	0
NCA 02_Edu_4885	Education	60	0	56	47	39	0	41	36	0
NCA 06_Edu_1965	Education	60	15	62	49	33	0	49	42	55
NCA 06_Edu_1100	Education	60	16	57	40	37	0	41	31	45
NCA 06_Edu_1956	Education	60	16	67	50	45	0	53	39	60
NCA 06_Edu_4266	Education	60	26	64	48	42	0	49	40	56
NCA 06_Edu_1427	Education	60	16	61	45	32	0	45	31	49
NCA 06_Edu_1073	Education	60	17	63	50	39	0	53	42	57
NCA 06_Edu_1481	Education	60	8	60	45	41	0	44	33	47
NCA 07_EDU_6512	Education	60	0	57	51	51	30	42	47	54
NCA 07_EDU_7102	Education	60	0	54	47	47	31	41	36	41

Receiver ID	Receiver Type	NML	Sc1	Sc2	Sc3	Sc4	Sc5	Sc6	Sc7	Sc8
NCA 08_EDU_6451	Education	60	0	0	48	47	47	41	31	0
NCA 08_EDU_6452	Education	60	0	0	37	36	39	35	27	0
NCA 08_EDU_6453	Education	60	0	0	46	47	50	37	31	0
NCA 08_EDU_7740	Education	60	0	0	47	47	47	45	33	0
NCA 09_EDU_6080	Education	60	0	0	48	46	31	40	37	0
NCA 09_EDU_6081	Education	60	0	0	42	40	33	37	35	0
NCA 09_EDU_6153	Education	60	0	0	50	48	38	34	30	0
NCA 09_EDU_6154	Education	60	0	0	38	37	29	29	24	0
NCA 09_EDU_6155	Education	60	0	0	45	43	38	32	27	0
NCA 09_EDU_6156	Education	60	0	0	56	54	43	48	43	0
NCA 09_EDU_6157	Education	60	0	0	54	52	42	48	42	0
NCA 09_EDU_6288	Education	60	0	0	42	40	32	35	26	0
NCA 09_EDU_6289	Education	60	0	0	42	39	30	37	33	0
NCA 09_EDU_6327	Education	60	0	0	50	48	41	41	37	0
NCA 09_EDU_6328	Education	60	0	0	48	42	35	34	32	0
NCA 09_EDU_6329	Education	60	0	0	43	41	33	37	32	0
NCA 09_EDU_6330	Education	60	0	0	43	41	29	40	36	0
NCA 09_EDU_6331	Education	60	0	0	50	49	40	37	33	0
NCA 09_EDU_6332	Education	60	0	0	54	50	30	37	33	0
NCA 09_EDU_6492	Education	60	0	0	58	56	40	41	38	0
NCA 09_EDU_6493	Education	60	0	0	50	48	35	38	35	0
NCA 09_EDU_6494	Education	60	0	0	39	37	29	37	34	0
NCA 09_EDU_6495	Education	60	0	0	48	47	27	34	32	0
NCA 09_EDU_6496	Education	60	0	0	52	51	38	38	36	0
NCA 09_EDU_6497	Education	60	0	0	37	36	28	29	25	0
NCA 09_EDU_6498	Education	60	0	0	39	37	30	35	32	0
NCA 09_EDU_6505	Education	60	0	0	57	54	41	48	40	0
NCA 09_EDU_6506	Education	60	0	0	36	34	29	29	23	0
NCA 09_EDU_6507	Education	60	0	0	62	54	40	44	38	0
NCA 09_EDU_6508	Education	60	0	0	44	43	23	43	39	0
NCA 10_EDU_5772	Education	60	0	0	35	33	26	35	34	0
NCA 10_EDU_6117	Education	60	0	0	67	63	24	62	64	0
NCA 10_EDU_6118	Education	60	0	0	64	62	10	60	61	0
NCA 10_EDU_6119	Education	60	0	0	73	72	15	68	62	0
NCA 10_EDU_6120	Education	60	0	0	64	63	21	60	61	0
NCA 10_EDU_6121	Education	60	0	0	56	54	11	53	55	0
NCA 12_EDU_6893	Education	60	0	0	39	34	0	36	36	0
NCA 12_EDU_6894	Education	60	0	0	39	33	0	34	34	0
NCA 12_EDU_7029	Education	60	0	0	45	35	0	37	37	0
NCA 12_EDU_7030	Education	60	0	0	45	36	0	37	37	0

Receiver ID	Receiver Type	NML	Sc1	Sc2	Sc3	Sc4	Sc5	Sc6	Sc7	Sc8
NCA 12_EDU_7031	Education	60	0	0	32	26	0	27	27	0
NCA 12_EDU_7032	Education	60	0	0	39	34	0	37	37	0
NCA 13_EDU_6860	Education	60	0	0	32	15	0	25	0	0
NCA 13_EDU_6861	Education	60	0	0	31	12	0	21	0	0
NCA 01_Med_3638	Medical	60	0	69	41	24	0	51	27	0
NCA 01_Med_1102	Medical	60	0	63	45	27	0	46	29	0
NCA 01_Med_2182	Medical	60	0	56	41	34	0	42	24	0
NCA 01_Med_2171	Medical	60	0	64	50	33	0	47	36	0
NCA 02_Med_1086	Medical	60	6	64	43	29	0	56	37	0
NCA 03_Med_4778	Medical	60	15	59	40	23	0	41	31	0
NCA 03_Med_4628	Medical	60	14	60	40	21	0	43	30	0
NCA 04_Med_4568	Medical	60	29	57	44	27	0	36	33	37
NCA 06_Med_4652	Medical	60	11	58	39	32	0	41	33	45
NCA 06_Med_2104	Medical	60	10	69	56	36	0	60	43	64
NCA 06_Med_1081	Medical	60	10	81	50	40	0	63	40	49
NCA 06_Med_1092	Medical	60	7	56	38	31	0	38	31	42
NCA 06_Med_1188	Medical	60	8	62	40	31	0	47	31	47
NCA 06_Med_4446	Medical	60	11	78	56	46	0	60	48	60
NCA 06_Med_1190	Medical	60	7	58	40	32	0	42	30	47
NCA 06_Med_4765	Medical	60	11	58	44	37	0	44	32	48
NCA 06_Med_1604	Medical	60	5	51	36	29	0	36	28	41
NCA 06_Med_3444	Medical	60	12	57	39	30	0	43	33	46
NCA 06_Med_4414	Medical	60	11	63	43	35	0	46	32	49
NCA 06_Med_4400	Medical	60	7	77	60	50	0	62	50	65
NCA 06_Med_4625	Medical	60	8	57	44	40	0	41	36	46
NCA 08_MED_8142	Medical	60	0	36	66	61	47	61	54	37
NCA 10_MED_7070	Medical	60	0	0	55	51	13	50	53	0
NCA 01_PoW_1106	Place of Worship	60	0	66	43	32	0	48	36	0
NCA 02_PoW_2504	Place of Worship	60	0	55	46	36	0	44	49	0
NCA 02_PoW_1130	Place of Worship	60	0	63	53	39	0	47	47	0
NCA 02_PoW_3908	Place of Worship	60	0	56	47	38	0	44	49	0
NCA 03_PoW_2022	Place of Worship	60	17	57	44	28	0	40	36	0
NCA 06_PoW_1087	Place of Worship	60	26	61	47	29	0	50	37	55
NCA 06_PoW_1144	Place of Worship	60	12	63	50	41	0	45	42	45
NCA 06_PoW_1411	Place of Worship	60	24	83	65	57	0	67	55	72
NCA 07_POW_6348	Place of Worship	60	0	44	44	42	32	41	38	44
NCA 07_POW_6349	Place of Worship	60	0	41	37	36	21	33	29	39
NCA 07_POW_7103	Place of Worship	60	0	40	40	37	14	34	33	42
NCA 08_POW_5779	Place of Worship	60	0	29	45	45	32	45	41	32
NCA 08_POW_7427	Place of Worship	60	0	0	54	53	52	31	28	0

Receiver ID	Receiver Type	NML	Sc1	Sc2	Sc3	Sc4	Sc5	Sc6	Sc7	Sc8
NCA 08_POW_7681	Place of Worship	60	0	30	62	62	39	61	56	33
NCA 09_POW_7169	Place of Worship	60	0	0	47	45	26	40	37	0
NCA 09_POW_8212	Place of Worship	60	0	0	69	69	65	47	38	0
NCA 10_POW_5771	Place of Worship	60	0	0	45	41	27	42	42	0
NCA 10_POW_5773	Place of Worship	60	0	0	44	41	17	42	42	0
NCA 10_POW_6044	Place of Worship	60	0	0	42	37	27	41	39	0
NCA 10_POW_6196	Place of Worship	60	0	0	42	38	0	39	40	0
NCA 10_POW_6463	Place of Worship	60	0	0	44	44	32	48	51	0
NCA 10_POW_6870	Place of Worship	60	0	0	52	52	21	49	55	0
NCA 10_POW_7430	Place of Worship	60	0	0	60	56	25	55	59	0
NCA 13_POW_7662	Place of Worship	60	0	0	31	11	0	0	0	0

Noise levels shaded light blue indicate exceedances above the applicable NML.

Exceedances of the NML are predicted to occur during all scenarios other than Scenario 01. It should also be noted that these receivers are unlikely to be in use outside of standard working hours.

5.4 Predicted Construction Noise Levels – Bankstown Early Works

Predicted worst case noise levels at all nearby receivers for each of the BEW construction scenarios, as well as the applicable NML, are presented in the following tables. Noise contours are provided in Appendix B and a full list of predicted noise levels for each receiver is provided in Appendix C.

Works for all scenarios are expected to occur outside standard working hours. The OOH works are likely to occur during daytime, evening and night time. Accordingly, the NML for OOH works in the table is for night time, as this assesses the worst potential impact. Predicted L_{Amax} noise levels are also presented for these scenarios.

BEW all take place at the eastern end of NCA 12. With this in mind only receivers from this NCA as well as the two adjacent NCA's (NCA 11 and NCA 13) have been considered. No exceedances are expected to occur outside these NCA's.

5.4.1 Scenario 1 Effect on Residential Receivers

Table 5-12 Predicted worst-case residential noise levels for Scenario B_01 - OOH

Receiver	NML	Predicted Worst-Case $L_{Aeq,15min}$	Sleep Disturbance Screening Criteria	Predicted L_{Amax}
NCA 11	44	59	54	61
NCA 12	47	59	57	61
NCA 13	44	32	54	34

Noise levels shaded light blue indicate exceedances above the applicable NML. Noise levels shaded green exceed the sleep disturbance screening criteria.

During Scenario B_01 exceedances of the NML for residential receivers are predicted in NCA 11 and NCA 12 only. The Highly Noise Affected Management Level of $L_{Aeq(15min)}$ 75dBA is not predicted to be exceeded.

The sleep disturbance level is predicted to be exceeded in NCA 11 and NCA 12.

Scenario 1 represents the works to install new drainage pipes. The short-term nature of these works mean temporary noise barriers are unlikely to be a viable form of mitigation. Emphasis should therefore be placed on minimising noise levels using the other standard mitigation measures. At receiver mitigation may be required for these works.

5.4.2 Scenario 2 Effect on Residential Receivers

Table 5-13 Predicted worst-case residential noise levels for Scenario B_02 – OOH

Receiver	NML	Predicted Worst-Case $L_{Aeq,15min}$	Sleep Disturbance Screening Criteria	Predicted L_{Amax}
NCA 11	44	42	54	64
NCA 12	47	66	57	88
NCA 13	44	32	54	54

Noise levels shaded light blue indicate exceedances above the applicable NML. Noise levels shaded green exceed the sleep disturbance screening criteria.

During Scenario B_02 exceedances of the NML for residential receivers are predicted in NCA 12. The Highly Noise Affected Management Level of $L_{Aeq(15min)}$ 75dBA is not predicted to be exceeded.

The sleep disturbance level is predicted to be exceeded in NCA 11 and NCA 12.

Scenario B_02 represents the works to install the security fencing around the new service building. The short-term nature of these works mean temporary noise barriers are unlikely to be a viable form of mitigation. Emphasis should therefore be placed on minimising noise levels using the other standard mitigation measures. At receiver mitigation may be required for these works.

5.4.3 Scenario 3 Effect on Residential Receivers

Table 5-14 Predicted worst-case residential noise levels for Scenario B_03 – OOH

Receiver	NML	Predicted Worst-Case $L_{Aeq,15min}$	Sleep Disturbance Screening Criteria	Predicted L_{Amax}
NCA 11	44	62	54	84
NCA 12	47	69	57	92
NCA 13	44	35	54	57

Noise levels shaded light blue indicate exceedances above the applicable NML. Noise levels shaded green exceed the sleep disturbance screening criteria.

During Scenario B_03 exceedances of the NML for residential receivers are predicted in NCA 11 and NCA 12 only. The Highly Noise Affected Management Level of $L_{Aeq(15min)}$ 75dBA is not predicted to be exceeded.

The sleep disturbance level is predicted to be exceeded in NCA 11, NCA 12 and NCA 13.

Scenario B_03 represents the combined services route installation. Due to the mobile nature of the proposed plant temporary barriers are unlikely to be a viable form of mitigation. Emphasis should therefore be placed on minimising noise levels using the other standard mitigation measures. At receiver mitigation may be required for these works.

5.4.4 Scenario 4 Effect on Residential Receivers

Table 5-15 Predicted worst-case residential noise levels for Scenario B_04 - OOH

Receiver	NML	Predicted Worst-Case $L_{Aeq,15min}$	Sleep Disturbance Screening Criteria	Predicted L_{Amax}
NCA 11	44	48	54	46
NCA 12	47	71	57	69
NCA 13	44	39	54	37

Noise levels shaded light blue indicate exceedances above the applicable NML. Noise levels shaded green exceed the sleep disturbance screening criteria.

During Scenario B_04 exceedances of the NML for residential receivers are predicted in NCA 11 and NCA 12 only. The Highly Noise Affected Management Level of $L_{Aeq(15min)}$ 75dBA is not predicted to be exceeded.

The sleep disturbance level is predicted to be exceeded in NCA 11 and NCA 12.

Scenario B_04 represents the construction of the new services building. These works will be concentrated on a small area over an extended period. The use of temporary barriers to reduce noise impacts on surrounding receivers should be investigated, however the tall residential buildings overlooking the area will likely make their use not viable. At receiver mitigation may be required for these works.

5.4.5 Scenario 5 Effect on Residential Receivers

Table 5-16 Predicted worst-case residential noise levels for Scenario B_05 - OOH

Receiver	NML	Predicted Worst-Case $L_{Aeq,15min}$	Sleep Disturbance Screening Criteria	Predicted L_{Amax}
NCA 11	44	56	54	57
NCA 12	47	73	57	74
NCA 13	44	47	54	49

Noise levels shaded light blue indicate exceedances above the applicable NML. Noise levels shaded green exceed the sleep disturbance screening criteria.

During Scenario B_05 exceedances of the NML for residential receivers are predicted in NCA 11, NCA 12 and NCA 13. The Highly Noise Affected Management Level of $L_{Aeq(15min)}$ 75dBA is not predicted to be exceeded.

The sleep disturbance levels are predicted to be exceeded in NCA 11 and NCA 12.

Scenario B_05 represents the overhead wire works. Receivers are located close to the work areas on both the north and south side of the track. The short-term and mobile nature of these works mean temporary noise barriers are unlikely to be a viable form of mitigation. Emphasis should therefore be placed on minimising noise levels using the other standard mitigation measures. At receiver mitigation may be required for these works.

5.4.6 Scenario 6 Effect on Residential Receivers

Table 5-17 Predicted worst-case residential noise levels for Scenario B_06 - OOH

Receiver	NML	Predicted Worst-Case $L_{Aeq,15min}$	Sleep Disturbance Screening Criteria	Predicted L_{Amax}
NCA 11	44	48	54	51
NCA 12	47	79	57	82
NCA 13	44	37	54	40

Noise levels shaded light blue indicate exceedances above the applicable NML. Noise levels shaded green exceed the sleep disturbance screening criteria.

During Scenario B_06 exceedances of the NML for residential receivers are predicted in NCA 11 and NCA 12. The Highly Noise Affected Management Level of $L_{Aeq(15min)}$ 75dBA is predicted to be exceeded in NCA 12.

The sleep disturbance level is predicted to be exceeded in NCA 12.

Scenario B_06 represents the utility works to relocate Ausgrid and drainage services. These works will occur outside standard construction hours only. Due to the short-term and mobile nature of these works temporary barriers are unlikely to be a viable form of mitigation. Emphasis should therefore be placed on minimising noise levels using the other standard mitigation measures. At receiver mitigation may be required for these works.

5.4.7 Scenario 7 Effect on Residential Receivers

Table 5-18 Predicted worst-case residential noise levels for Scenario B_07 - OOH

Receiver	NML	Predicted Worst-Case $L_{Aeq,15min}$	Sleep Disturbance Screening Criteria	Predicted L_{Amax}
NCA 11	44	56	54	54
NCA 12	47	72	57	70
NCA 13	44	50	54	47

Noise levels shaded light blue indicate exceedances above the applicable NML. Noise levels shaded green exceed the sleep disturbance screening criteria.

During Scenario B_07 exceedances of the NML for residential receivers are predicted in NCA 11, NCA 12 and NCA 13. The Highly Noise Affected Management Level of $L_{Aeq(15min)}$ 75dBA is not predicted to be exceeded.

The sleep disturbance levels are predicted to be exceeded in NCA 12.

Scenario B_07 represents the track works at Bankstown. Due to the sort term and mobile nature of these works temporary barriers are unlikely to be a viable form of mitigation. Emphasis should therefore be placed on minimising noise levels using the other standard mitigation measures. At receiver mitigation may be required for these works.

5.4.8 Scenario 8 Effect on Residential Receivers

Table 5-19 Predicted worst-case residential noise levels for Scenario B_08 - OOH

Receiver	NML	Predicted Worst-Case $L_{Aeq,15min}$	Sleep Disturbance Screening Criteria	Predicted L_{Amax}
NCA 11	44	47	54	47
NCA 12	47	66	57	66
NCA 13	44	38	54	38

Noise levels shaded light blue indicate exceedances above the applicable NML. Noise levels shaded green exceed the sleep disturbance screening criteria.

During Scenario B_08 exceedances of the NML for residential receivers are predicted in NCA 11 and NCA 12. The Highly Noise Affected Management Level of $L_{Aeq(15min)}$ 75dBA is not predicted to be exceeded.

The sleep disturbance level is predicted to be exceeded in NCA 12.

Scenario B_08 represents the platform works required at the eastern end of Bankstown Station. Due to the short-term nature of these works temporary barriers are unlikely to be a viable form of mitigation. Emphasis should therefore be placed on minimising noise levels using the other standard mitigation measures. At receiver mitigation may be required for these works.

5.4.9 Scenario 9 Effect on Residential Receivers

Table 5-20 Predicted worst-case residential noise levels for Scenario B_09 - OOH

Receiver	NML	Predicted Worst-Case $L_{Aeq,15min}$	Sleep Disturbance Screening Criteria	Predicted L_{Amax}
NCA 11	44	48	54	51
NCA 12	47	70	57	78
NCA 13	44	36	54	39

Noise levels shaded light blue indicate exceedances above the applicable NML. Noise levels shaded green exceed the sleep disturbance screening criteria.

During Scenario B_09 exceedances of the NML for residential receivers are predicted in NCA 11 and NCA 12. The Highly Noise Affected Management Level of $L_{Aeq(15min)}$ 75dBA is not predicted to be exceeded.

The sleep disturbance level is predicted to be exceeded in NCA 12.

Scenario B_09 represents the tree removal works required at the eastern end of Bankstown Station. This scenario captures the worst noise period, the cutting down of all trees. Noise impacts from this scenario are dictated by the use of chainsaws. This scenario has considered two chainsaws operating constantly. To mitigate the noise from chainsaws using only one at a time or implementing respite periods should be considered. Due to the short-term nature of these works temporary barriers are unlikely to be a viable form of mitigation.

5.4.10 Scenario 10 Effect on Residential Receivers

Table 5-21 Predicted worst-case residential noise levels for Scenario B_10 - OOH

Receiver	NML	Predicted Worst-Case $L_{Aeq,15min}$	Sleep Disturbance Screening Criteria	Predicted L_{Amax}
NCA 11	44	39	54	40
NCA 12	47	50	57	51
NCA 13	44	31	54	32

Noise levels shaded light blue indicate exceedances above the applicable NML. Noise levels shaded green exceed the sleep disturbance screening criteria.

During Scenario B_10 exceedances of the NML for residential receivers are predicted in NCA 11 only. The Highly Noise Affected Management Level of $L_{Aeq(15min)}$ 75dBA is not predicted to be exceeded.

The sleep disturbance level is not predicted to be exceeded.

Scenario B_10 represents the operation of the Bankstown main compound.

5.4.11 All Scenarios Effect on Commercial Receivers

Table 5-22 Predicted worst-case noise levels for commercial receivers

	Predicted Worst-Case $L_{Aeq,15min}$									
	B_01	B_02	B_03	B_04	B_05	B_06	B_07	B_08	B_09	B_10
NML	70									
NCA 11	39	31	42	37	43	35	45	35	35	29
NCA 12	70	70	70	76	76	79	78	70	77	69
NCA 13	31	33	37	40	49	38	51	39	37	33

Noise levels shaded light blue indicate exceedances above the applicable NML.

Exceedances of up to 9dBA are predicted at commercial receivers for during scenario B_06 and 8dBA for scenario B_07. Exceedances of up to 7dBA are predicted for scenario B_09. Exceedances of up to 6dBA are also predicted for scenario B_04 and scenario B_05. No other scenarios have predicted exceedances any of the commercial receivers.

It should be noted that it is likely that many of these commercial premises will not be in use out of standard working hours.

5.4.12 All Scenarios Effect on Industrial Receivers

Table 5-23 Predicted worst-case noise levels for industrial receivers

	Predicted Worst-Case $L_{Aeq,15min}$		
	NCA 11	NCA 12	NCA 13
NML	75		
B_01	0	0	18
B_02	0	0	13
B_03	0	0	21
B_04	0	0	18
B_05	0	0	23
B_06	0	0	19
B_07	0	0	30
B_08	0	0	18
B_09	0	0	16
B_10	0	0	11

Note: The only industrial receivers considered in this assessment are located in NCA 13.

No exceedances of the NML are predicted at any industrial receivers.

5.4.13 All Scenarios Effect on Other Receivers

Table 5-24 Predicted worst-case noise levels for other sensitive land use receivers

Receiver ID	Receiver Type	NML	B01	B02	B03	B04	B05	B06	B07	B08	B09	B10
NCA 12_CCC_7254	Childcare Centre	60	48	30	52	35	41	39	43	33	35	25
NCA 12_EDU_6893	Education	60	44	27	50	32	38	33	42	34	33	24
NCA 12_EDU_6894	Education	60	45	26	52	32	38	33	42	32	32	24
NCA 12_EDU_7029	Education	60	46	27	53	33	39	34	43	31	32	24
NCA 12_EDU_7030	Education	60	32	23	40	29	35	29	40	28	28	21
NCA 12_EDU_7031	Education	60	45	27	52	32	38	35	41	31	31	23
NCA 12_EDU_7032	Education	60	31	24	34	30	36	30	39	29	29	22
NCA 13_EDU_6860	Education	60	20	27	30	34	42	32	46	34	31	25
NCA 13_EDU_6861	Education	60	21	21	23	27	31	23	40	27	24	17
NCA 13_POW_7662	Place of Worship	60	19	12	20	18	25	15	30	19	17	13
NCA 12_MED_5637	Medical	60	51	70	65	76	76	73	77	70	75	53

Noise levels shaded light blue indicate exceedances above the applicable NML.

Exceedances of the NML are predicted at the 258 South Terrace, Bankstown medical facility for some scenarios. No other sensitive land use receivers are predicted to have exceedances for any of the BEW scenarios. It should also be noted that these receivers are unlikely to be in use outside of standard working hours.

5.5 Additional Mitigation Measures

Given the exceedances of the residential NML's, this section focuses on assessing the impact to the residential receivers in further detail.

The Sydney Metro City & Southwest Construction Noise and Vibration Strategy provides Additional Mitigation Measures (AMM) that are to be assessed when all Standard Mitigation Measures have been considered and there is still potential to exceed the NML.

The AMM from the CNVS are presented in Table 5-25. The period and corresponding exceedance of the NML that the CNVS applies each measure to is presented in Table 5-26.

Table 5-25 Additional mitigation measures

Measure	Abbreviation
Alternative accommodation	AA
Monitoring	M
Individual briefings	IB
Letterbox drops	LB
Project specific respite offer	RO
Phone calls	PC
Specific notifications	SN

Table 5-26 Additional noise mitigation measures matrix

Time Period		Mitigation Measures			
		Predicted $L_{Aeq,15min}$ Noise Level above Background (RBL)			
		0 to 10dB	10 to 20dB	20 to 30dB	>30dB
Standard	Mon-Fri (7am-6pm)				
	Sat (8am-1pm)	-	-	LB, M	LB, M
	Sun / Pub Hol (Nil)				
OOHW Period 1	Mon-Fri (6pm-10pm)				
	Sat (1pm-10pm)	-	LB	LB, M	M, IB, LB, RO, PC, SN
	Sun / Pub Hol (8am-6pm)				
OOHW Period 2	Mon-Fri (10pm-7am)				
	Sat (10pm-8am)		LB, M	M, IB, LB, PC, RO, SN	AA, M, IB, LB, PC, RO, SN
	Sun / Pub Hol (6pm-7am)				

Based on the predictions summarised in the tables above, additional mitigation will be required to be considered for works during all time periods. Table 5-27 to Table 5-29 summarise the AMM required for each scenario. Table 5-30 to Table 5-32 summarise the AMM required for each scenario of the BEW.

Table 5-27 Recommended additional noise mitigation measures – Standard

NCA	Sc 01	Sc 02	Sc 03	Sc 04	Sc 05	Sc 06	Sc 07	Sc 08
NCA 01	-	LB, M	LB, M	LB, M	-	LB, M	-	-
NCA 02	-	LB, M	LB, M	LB, M	-	LB, M	LB, M	-
NCA 03	-	LB, M	LB, M	LB, M	-	LB, M	LB, M	-
NCA 04	LB, M	LB, M	LB, M	LB, M	-	-	LB, M	-
NCA 05	-	LB, M	LB, M	LB, M	-	LB, M	LB, M	LB, M
NCA 06	-	LB, M	LB, M	LB, M	-	LB, M	LB, M	LB, M
NCA 07	-	LB, M	LB, M	LB, M	-	LB, M	-	LB, M
NCA 08	-	-	LB, M	LB, M	LB, M	LB, M	LB, M	-

NCA	Sc 01	Sc 02	Sc 03	Sc 04	Sc 05	Sc 06	Sc 07	Sc 08
NCA 09	-	-	LB, M	LB, M	-	LB, M	-	-
NCA 10	-	-	LB, M	LB, M	-	-	LB, M	-
NCA 11	-	-	LB, M	LB, M	-	LB, M	LB, M	-
NCA 12	-	-	-	-	-	-	-	-
NCA 13	-	-	-	-	-	-	-	-

Table 5-28 Recommended additional noise mitigation measures – OOHV Period 1

NCA	Sc 01	Sc 02	Sc 03	Sc 04	Sc 05	Sc 06	Sc 07	Sc 08
NCA 01	-	M, IB, LB, RO, PC, SN	M, IB, LB, RO, PC, SN	M, IB, LB, RO, PC, SN	-	M, IB, LB, RO, PC, SN	LB	-
NCA 02	-	M, IB, LB, RO, PC, SN	M, IB, LB, RO, PC, SN	M, IB, LB, RO, PC, SN	-	M, IB, LB, RO, PC, SN	M, IB, LB, RO, PC, SN	-
NCA 03	-	M, IB, LB, RO, PC, SN	M, IB, LB, RO, PC, SN	M, IB, LB, RO, PC, SN	-	M, IB, LB, RO, PC, SN	M, IB, LB, RO, PC, SN	-
NCA 04	LB, M	M, IB, LB, RO, PC, SN	M, IB, LB, RO, PC, SN	LB, M	-	LB	M, IB, LB, RO, PC, SN	-
NCA 05	-	M, IB, LB, RO, PC, SN	M, IB, LB, RO, PC, SN	LB, M	-	M, IB, LB, RO, PC, SN	M, IB, LB, RO, PC, SN	M, IB, LB, RO, PC, SN
NCA 06	-	M, IB, LB, RO, PC, SN	M, IB, LB, RO, PC, SN	M, IB, LB, RO, PC, SN	-	LB, M	M, IB, LB, RO, PC, SN	M, IB, LB, RO, PC, SN
NCA 07	-	LB, M	M, IB, LB, RO, PC, SN	M, IB, LB, RO, PC, SN	-	LB, M	LB	LB, M
NCA 08	-	-	LB, M	LB, M	LB, M	LB, M	LB, M	-
NCA 09	-	-	M, IB, LB, RO, PC, SN	M, IB, LB, RO, PC, SN	LB	LB, M	-	-
NCA 10	-	-	LB, M	LB, M	-	LB	LB, M	-
NCA 11	-	-	M, IB, LB, RO, PC, SN	LB, M	-	LB, M	LB, M	-
NCA 12	-	-	-	-	-	-	-	-
NCA 13	-	-	-	-	-	-	-	-

Table 5-29 Recommended additional noise mitigation measures – OOHW Period 2

NCA	Sc 01	Sc 02	Sc 03	Sc 04	Sc 05	Sc 06	Sc 07	Sc 08
NCA 01	-	AA, M, IB, LB, PC, SN	AA, M, IB, LB, PC, SN	AA, M, IB, LB, PC, SN	-	AA, M, IB, LB, PC, SN	M, IB, LB, PC, RO, SN	-
NCA 02	-	AA, M, IB, LB, PC, SN	AA, M, IB, LB, PC, SN	AA, M, IB, LB, PC, SN	-	AA, M, IB, LB, PC, SN	AA, M, IB, LB, PC, SN	-
NCA 03	-	AA, M, IB, LB, PC, SN	AA, M, IB, LB, PC, SN	AA, M, IB, LB, PC, SN	-	AA, M, IB, LB, PC, SN	AA, M, IB, LB, PC, SN	-
NCA 04	M, IB, LB, PC, RO, SN	AA, M, IB, LB, PC, SN	AA, M, IB, LB, PC, SN	AA, M, IB, LB, PC, SN	-	M, IB, LB, PC, RO, SN	AA, M, IB, LB, PC, SN	LB, M
NCA 05	-	AA, M, IB, LB, PC, SN	AA, M, IB, LB, PC, SN	AA, M, IB, LB, PC, SN	-	AA, M, IB, LB, PC, SN	AA, M, IB, LB, PC, SN	AA, M, IB, LB, PC, SN
NCA 06	-	AA, M, IB, LB, PC, SN	AA, M, IB, LB, PC, SN	AA, M, IB, LB, PC, SN	-	AA, M, IB, LB, PC, SN	AA, M, IB, LB, PC, SN	AA, M, IB, LB, PC, SN
NCA 07	-	M, IB, LB, PC, RO, SN	AA, M, IB, LB, PC, SN	AA, M, IB, LB, PC, SN	-	AA, M, IB, LB, PC, SN	M, IB, LB, PC, RO, SN	AA, M, IB, LB, PC, SN
NCA 08	-	-	M, IB, LB, PC, RO, SN	M, IB, LB, PC, RO, SN	AA, M, IB, LB, PC, SN	M, IB, LB, PC, RO, SN	AA, M, IB, LB, PC, SN	-
NCA 09	-	-	AA, M, IB, LB, PC, SN	AA, M, IB, LB, PC, SN	M, IB, LB, PC, RO, SN	M, IB, LB, PC, RO, SN	LB, M	-
NCA 10	-	-	M, IB, LB, PC, RO, SN	M, IB, LB, PC, RO, SN	-	M, IB, LB, PC, RO, SN	AA, M, IB, LB, PC, SN	-
NCA 11	-	-	AA, M, IB, LB, PC, SN	M, IB, LB, PC, RO, SN	-	AA, M, IB, LB, PC, SN	AA, M, IB, LB, PC, SN	-
NCA 12	-	-	-	-	-	-	-	-
NCA 13	-	-	-	-	-	-	-	-

Table 5-30 BEW Recommended additional noise mitigation measures – Standard

NCA	Sc 01	Sc 02	Sc 03	Sc 04	Sc 05	Sc 06	Sc 07	Sc 08	Sc 09	Sc 10
NCA 11	-	-	-	-	-	-	-	-	-	-
NCA 12	-	-	-	-	-	LB, M	-	-	-	-
NCA 13	-	-	-	-	-	-	-	-	-	-

Table 5-31 BEW Recommended additional noise mitigation measures – OOHW Period 1

NCA	Sc 01	Sc 02	Sc 03	Sc 04	Sc 05	Sc 06	Sc 07	Sc 08	Sc 09	Sc 10
NCA 11	LB	-	LB	-	-	-	-	-	-	-
NCA 12	-	LB	LB	LB	LB, M	LB, M	LB, M	LB	-	-
NCA 13	-	-	-	-	-	-	-	-	-	-

Table 5-32 BEW Recommended additional noise mitigation measures – OOHW Period 2

NCA	Sc 01	Sc 02	Sc 03	Sc 04	Sc 05	Sc 06	Sc 07	Sc 08	Sc 09	Sc 10
NCA 01	LB, M	-	M, IB, LB, PC, RO, SN	-	LB, M	-	LB, M	-	-	-
NCA 02	LB, M	M, IB, LB, PC, RO, SN	M, IB, LB, PC, RO, SN	M, IB, LB, PC, RO, SN	AA, M, IB, LB, PC, SN	AA, M, IB, LB, PC, SN	M, IB, LB, PC, RO, SN	M, IB, LB, PC, RO, SN	M, IB, LB, PC, RO, SN	-
NCA 03	-	-	-	-	-	-	LB, M	-	-	-

5.6 Construction Traffic Noise Assessment

As detailed in the CNVMP, deliveries to site and removal of material from site is to be restricted to standard construction hours, unless otherwise approved. Access to the site will use the access points specified in the Construction Traffic Management Plan. These will consist of existing Sydney Trains access gates and any new gates that need to be constructed to access the corridor.

Access gates to the rail corridor are at the following locations:

- Access 1 (via Fraser Park Football Club interior road off Marrickville Road, Marrickville)
- Access 2 (via Victoria Road, Marrickville)

- Access 3 (via Unnamed Lane off Warburton Street, opposite Wooley Lane, Marrickville)
- Access 4 (via Randall Street, Marrickville)
- Access 5 (via Kays Avenue East, Marrickville)
- Access 6 (via Ewart Lane, Dulwich Hill) – light vehicles only
- Access 7 (via Ewart Street east of Terrace Road, Dulwich Hill)
- Access 8 (via Ewart Street west of Terrace Road, Dulwich Hill)
- Access 9 (via The Greenway onto Ness Avenue, Dulwich Hill)
- Access 10 (via The Parade Dulwich Hill)
- Access 11 (via Floss Street, Hurlstone Park)
- Access 12 (via Railway Street, Hurlstone Park)
- Access 13 & 13a (via Foord Avenue, Hurlstone Park)
- Access 14 (via Keir Avenue, Hurlstone Park)
- Access 15 (via Hurlstone Avenue, Hurlstone Park)
- Access 16 (via Hutton Street, Hurlstone Park)
- Access 17 (via Hutton Street at Sugar House Road, Hurlstone Park)
- Access 18 (via rail service road near Church Street footbridge, Hurlstone Park)
- Access 19 (via Charles Street, Canterbury)
- Access 20 (via Broughton Street, Canterbury)
- Access 21 (via Wairoa Street and Cooks River Path, Canterbury)
- Access 22 (via South Parade opposite Wonga Street, Canterbury)
- Access 23 (via South Parade opposite Park Street, Campsie)
- Access 24 (via South Parade opposite Duke Street, Campsie)
- Access 25 (via North Parade, opposite Browning Street)
- Access 26 (via Wilfred Ave, opposite Assets St, Campsie)
- Access 27 (via Lilian Street, Campsie)
- Access 28 (via Loftus Street, Campsie)
- Access 29 (via Redman Parade, Belmore)
- Access 30 (via Belmore Station Carpark at Tobruk Ave, Belmore)
- Access 31 (via Railway Parade, Belmore)
- Access 32 (via Bridge Road, Belmore)
- Access 33 (via The Boulevard, Lakemba)

- Access 34 (via Railway Parade, opposite Croydon Street North, Lakemba)
- Access 35 (via The Boulevard, opposite Croydon St, Lakemba)
- Access 36 (via Railway Parade, opposite Ernest Street North, Lakemba)
- Access 37 (via The Boulevard, opposite Kathleen St, Lakemba)
- Access 38 (via Shadforth St, Wiley Park)
- Access 39 (via The Boulevard St, Wiley Park)
- Access 40 (via Urunga Parade, opposite Defoe St, Wiley Park)
- Access 41 (via Urunga Parade, opposite Dudley St North, Punchbowl)
- Access 42 (via The Boulevard, opposite Dudley St, Punchbowl)
- Access 43 (via Breust Place, Punchbowl)
- Access 44 (via Stansfield Avenue, Punchbowl)
- Access 45 (now Gate 3 for BEW)
- Access 46 (via Depot Pl, Bankstown)
- BEW Gate 1: Located on the norther side of the corridor, adjacent to Bankstown Station car park. Access via North Terrace
- BEW Gate 2: Located on the southern side of the rail corridor, approx. 100m east of East Terrace. Access via South Terrace
- BEW Gate 3: Located on the southern side of the rail corridor, opposite Carnation Ave. Access via South Terrace
- BEW Gate 4: Located on the northern side of the rail corridor, opposite Wattle St. Access via North Terrace
- BEW Gate 5: Located on the northern side of the rail corridor, opposite Lady Cutler Ave. Access via North Terrace

It is noted that the above list of access gates is indicative and may change during the construction phase.

As per the road type definitions in the RNP, these primary site access roads are classified as either arterial or sub arterial. It is unlikely that construction traffic will be required to used local roads.

Analysis of the measured traffic noise levels at each monitoring location indicates that existing traffic noise in the area is high, and in some cases during the night period above the criteria specified in the RNP.

Based on the high existing traffic noise levels and the access routes being restricted to arterial and sub arterial road, impact from additional construction traffic is expected to be minimal.

6 VIBRATION GOALS & ASSESSMENT

6.1 Building Damage Vibration Goals

Vibration due to construction has the potential to cause damage, both cosmetic and structural, to surrounding buildings. In accordance with CoA E29 the *German Standard DIN 4150-3: Structural Vibration- effects of vibration on structures* is to be applied when assessing the potential for building damage.

The vibration guide values for building damage for typical buildings as outline in *DIN 4150-3-1999* are provided in Table 6-1.

Table 6-1 Vibration Guide Values for Building Damage – DIN 4150-3

Structure	Guideline values for velocity – mm/s (peak)			
	At foundation at a frequency of			Top storey (horizontal)
	1 to 10 Hz	10 to 50 Hz	50 to 100 Hz ¹	All frequencies
Residential	5	5 to 15	15 to 20	15
Commercial/Industrial	20	20 to 40	40 to 50	40
Vibration Sensitive Structures such as Heritage Structures	3	3 to 8	8 to 10	8

These values are generally considered very conservative for Australian buildings. Alternative values for vibration goals are found in the *British Standard BS 7385-2:1993*. CoA E29 requires these vibration criteria be applied “as applicable to Australian Conditions”. The building damage vibration goals from this standard are summarised in Table 6-2.

Table 6-2 Vibration Guide Values for Building Damage – BS 7385-2

Type of building	Peak Particle Velocity (PPV in mm/s) in the frequency range of predominant pulse	
	4 Hz to 15 Hz	15 Hz & above
Reinforced or framed structures Industrial and heavy commercial buildings	50mm/s at 4 Hz and above	
Unreinforced or light framed structures Residential or light commercial type buildings	15mm/s at 4 Hz increasing to 20mm/s at 15 Hz	20mm/s at 15 Hz increasing to 50mm/s at 40 Hz and above

The British Standard states that “A building of historical value should not (unless it is structurally unsound) be assumed to be more sensitive.”

Additionally, the CNVS provides screening criteria for construction activities that have the potential to cause building damage. These criteria, based on a conservative 50% of the *British Standard BS 7385-2:1993* levels, measured as Peak Component Particle Velocity (PCPV), are:

- Reinforced or framed structures: 25.0mm/s
- Unreinforced or light framed structures: 7.5mm/s

The CNVS suggests that heritage structures should not be assumed to be more sensitive to vibration sources and should be assessed by the same screening criteria, unless they are found to be structurally unsound after inspection. If a heritage structure is found to be structurally unsound, screening criteria of 2.5mm/s PCPV apply.

As per the CNVMP the screening criteria from the CNVS will be used for this assessment.

The Cooks River Bridge has been identified as a heritage structure; however, it is of reinforced construction and already subject to vibration due to the rail line that it holds. It is therefore not structurally unsound and the same screening criteria applies.

Other vibration sensitive structures and utilities, such as medical facilities, underground pipelines and fibre optic cables are to be assessed on a case by case basis using limits provided by manufactures.

As required by CoA E18 all vibration sensitive receivers have been identified. There are a number of medical facilities which were identified during the land use survey. Most exist within the commercial district surrounding Campsie Station, as well as one on Canterbury Road, Canterbury, two on Crinan Road, Campsie, four on Illawarra Road, Marrickville, one on Punchbowl Road, Punchbowl and one on Railway Parade, Lakemba. These facilities have all been identified as small general practices and dental practices however there is still potential for them to house vibration sensitive medical equipment.

A medical facility that potentially houses vibration sensitive equipment has been identified at 258 South Terrace, Bankstown, close to the BEW activities.

As required in the CNVS, attended vibration monitoring of each specific item of vibration intensive plant is to be conducted before beginning construction works to establish a more accurate minimum working distance. CoA E30 also requires that a heritage specialist be consulted when installing equipment used for vibration, movement and noise monitoring around heritage listed structures.

Continuous vibration monitoring with audible and visual alarms is required by the CNVS at the nearest sensitive receiver when activities are to occur inside the safe working distances.

6.2 Human Comfort Vibration Goals

In accordance with *Assessing vibration: A technical guide* (DEC, 2006), human comfort levels relating to vibration from continuous, impulsive and intermittent sources are measured as a Vibration Dose Value (VDV).

In the context of impact to human comfort continuous, impulsive and intermittent sources are defined within *Assessing Vibration: A Technical Guide* (DEC NSW 2006) as;

- Continuous vibration continues uninterrupted for a defined period (usually throughout daytime and/or night time).
- Impulsive vibration is a rapid build up to a peak followed by a damped decay that may or

may not involve several cycles of vibration (depending on frequency and damping). It can also consist of a sudden application of several cycles at approximately the same amplitude, providing that the duration is short, typically less than 2 seconds. Impulsive vibration will be experienced on no more than three occurrences in an assessment period

Intermittent vibration can be defined as interrupted periods of continuous (e.g. a drill) or repeated periods of impulsive vibration (e.g. a pile driver), or continuous vibration that varies significantly in magnitude. It may originate from impulse sources (e.g. pile drivers and forging presses) or repetitive sources (e.g. pavement breakers), or sources which operate intermittently, but which would produce continuous vibration if operated continuously (for example, intermittent machinery, railway trains and traffic passing by).

Table 6-3 indicates the preferred and maximum Vibration Dose Value for intermittent vibration.

Table 6-3 Vibration Dose Value goals

Place	Time	Vibration Dose ($\text{m/s}^{1.75}$)	
		Preferred	Maximum
Residences	Daytime	0.20	0.40
	Night time	0.13	0.26
Offices	Day or night time	0.40	0.80
Workshops	Day or night time	0.80	1.60

It is not always practical to measure VDV during construction works, as the calculation relies upon duration, intensity and characteristic frequency of the measured vibration events throughout a work day.

In some cases, it may be necessary to relate to an instantaneous measurement, such as Peak Particle Velocity (PPV). Appendix C of Assessing vibration: A technical guide (DEC, 2006) provides guidance on relating measurements of continuous and impulsive vibration to PPV. The criteria are included within Table 6-4.

Table 6-4 Criteria for exposure to continuous and impulsive vibration

Place	Time	Peak Particle Velocity (mm /s)	
		Preferred	Maximum
Continuous Vibration			
Residences	Day	0.28	0.56
	Night	0.20	0.40
Offices	Day or Night	0.56	1.1
Workshops	Day or Night	1.1	2.2
Impulsive Vibration			
Residences	Day	8.6	17.0
	Night	2.8	5.6
Offices	Day or Night	18.0	36.0

Workshops	Day or Night	18.0	36.0
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6.3 Sensitive Scientific and Medical Equipment Vibration Goals

Some scientific equipment (e.g. electron microscopes and microelectronics manufacturing equipment) can require more stringent objectives than those applicable to human comfort.

Where it has been identified that vibration sensitive scientific and/or medical instruments are likely to be in use inside the premises of an identified vibration sensitive receiver, objectives for the satisfactory operation of the instrument would be sourced from manufacturer's data.

Where manufacturer's data is not available, generic vibration criterion (VC) curves as published by the Society of Photo-Optical Instrumentation Engineers (Colin G. Gordon - 28 September 1999) may be adopted as vibration goals. These generic VC curves are presented below in Table 6-5 and Figure 6-1.

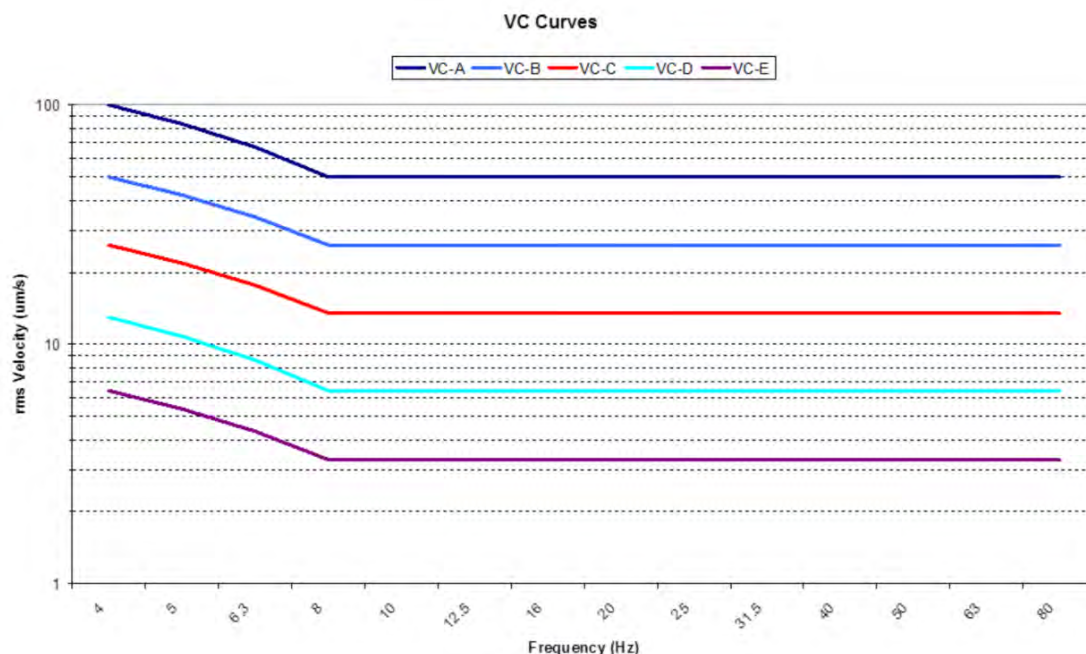
Table 6-5 Application and Interpretation of the Generic Vibration Criterion (VC) Curves

Criterion Curve	Max Level ($\mu\text{m/sec}$, rms) ¹	Detail Size (microns) ²	Description of Use
VC-A	50	8	Adequate in most instances for optical microscopes to 400X, microbalances, optical balances, proximity and projection aligners, etc.
VC-B	25	3	An appropriate standard for optical microscopes to 1000X, inspection and lithography equipment (including steppers) to 3 micron line widths.
VC-C	12.5	1	A good standard for most lithography and inspection equipment to 1 micron detail size.
VC-D	6	0.3	Suitable in most instances for the most demanding equipment including electron microscopes (TEMs and SEMs) and E-Beam systems, operating to the limits of their capability.
VC-E	3	0.1	A difficult criterion to achieve in most instances. Assumed to be adequate for the most demanding of sensitive systems including long path, laser-based, small target systems and other systems requiring extraordinary dynamic stability.

Note 1: As measured in one-third octave bands of frequency over the frequency range 8 to 100 Hz.

Note 2: The detail size refers to the line widths for microelectronics fabrication, the particle (cell) size for medical and pharmaceutical research, etc. The values given take into account the observation requirements of many items depend upon the detail size of the process.

Figure 6-1 Vibration Criterion (VC) Curves



6.4 Mitigation

As required in the CNVS, attended vibration monitoring of each specific item of vibration intensive plant is to be conducted before beginning construction works to establish a more accurate minimum working distance.

Continuous vibration monitoring with audible and visual alarms is required by the CNVS at the nearest sensitive receiver when activities are to occur inside the safe working distances. Additional mitigation requirements when vibration is expected to exceed the criteria are provided in the CNVS and summarised in Table 6-6.

Table 6-6 Additional mitigation measures matrix – vibration

	Time Period	Mitigation Measures
Standard	Mon-Fri (7.00am-6.00pm)	M, LB, RO
	Sat (8.00am-1.00pm)	
	Sun/Pub Hol (Nil)	
OOHW 1	Mon-Fri (6.00pm-10.00pm)	M, IB, LB, PC, RO, SN
	Sat (1.00pm-10.00pm)	
	Sun/Pub Hol (8.00am-6.00pm)	
OOHW 2	Mon-Fri (10.00pm-7.00am)	AA, M, IB, LB, PC, RO, SN
	Sat (10.00pm-8.00am)	
	Sun/Pub Hol (6.00pm-7.00am)	

6.5 Summary of Vibration Intensive Works

Plant with the potential for vibration impacts that will be used during this project include:

- Vibratory roller
- Bored piling rig
- Excavator with hammer attachment

Table 6-7 presents previously measured vibration levels at various distances for similar plant to what is proposed. The size of some of the plant proposed differs from plant previously measured and where this occurs the larger item of plant are presented. Table 20 in Appendix D of the Transport for NSW Construction Noise and Vibration Strategy (2018) provides a list of recommended minimum working distances for vibration intensive plant. Relevant distances from this table are also presented below, and the full extract can be found in Appendix D.

Table 6-7 Typical vibration emission from construction plant

Plant	PPV Vibration Level (mm/s) at Distance ¹					Recommended Minimum Working Distance ²	
	5m	10m	20m	30m	40m	Building Damage	Human Comfort
Vibratory Roller (20t)	7	4.5	3	2.3	2	25m	100m
Vibratory Roller (7-13t)		3.6	2	0.9		15m	100m
Vibratory Roller (4-6t)						12m	40m
Bored Piling	-	0.2	<0.1	-	-	2m (nominal)	N/A
Medium Hydraulic Hammer (900kg hammer on 12-18t exc)						7m	23m
Large Hydraulic Hammer (1500kg hammer on 30t exc)	4.5	2.5	0.5	0.2	0.12	22m	73m

Note 1: Vibration levels are typical based on measured data mostly in Sydney sandstone and should be used as a guide only. Short-term higher levels can be experienced at commencement of some operations.

Note 2: Minimum working distances from TfNSW Construction Noise and Vibration Strategy.

6.6 Vibration Assessment

As discussed above and required in the CNVS, attended vibration measurements are required before any vibration intensive construction activities. The recommendations made below are based on the typical emissions presented in Table 6-7. Potential mitigation should be reassessed following the attended measurements to determine safe working distances. Unless stated otherwise the assessment will be based on the screening criteria of 7.5mm/s for an unreinforced structure.

As mentioned in Section 2.4, the heritage listed Cooks River Bridge has been assessed and found to be structurally sound. The general vibration screening criteria of 7.5mm/s applies. A Condition Assessment will be conducted on Bankstown Station buildings and platforms, however it is considered that the structures are sound and a vibration screening criteria of 7.5mm/s will apply.

BEW will potentially impact the eastern end of Bankstown Station platforms that are intended to be demolished as part of Bankstown Station Works. Refer to Figure 6-1 below. Potential mitigation would be reassessed following the attended measurements to determine safe working distances.

Figure 6-1 Eastern section of Bankstown Station Platforms to be demolished as part of BSW



BEW could potentially have an impact on equipment at the 258 South Terrace, Bankstown medical facility. An attempt to determine the equipment at this facility and source manufactures vibration limits prior to commencing vibration intensive work. If manufactures data is not available, then an appropriate VC curve should be selected based on the types of equipment at the facility. If vibration sensitive equipment is discovered, trial measurements should be undertaken away from the site prior to works commencing, and monitoring at the site undertaken throughout all vibration intensive works.

6.6.1 Vibratory Roller

Typical vibration levels from previous measurements of a large vibratory roller indicate that vibration levels are marginally below the screening criteria at distances of 5m. These measurements relate to a 20t roller, which is significantly larger than the proposed plant which range in size from 6t to 13t rollers. It is therefore expected that these values are very conservative.

TfNSW Construction Noise and Vibration Strategy provides recommended minimum working distances for various sized vibratory rollers. For a 13t vibratory roller the recommended minimum working distance for cosmetic building damage is 15m, while potential impacts on human comfort are possible within 100m.

Vibratory rollers are proposed to be used for the earthworks, track works and civil works stages of the project.

The roller will potentially work within 5m of receivers in NCA 02, 30m of receivers in NCA 03 and NCA 10, 55m of receivers in NCA 04, and 25m of receivers in NCA 05, NCA 06 and NCA 08. It is not predicted that the building damage screening criteria will be exceeded for any of these structures. There is however potential for impacts on human comfort at these distances.

It is recommended to monitor vibration throughout the duration of the works close to these receivers, as well as notify them of the upcoming construction works. Pending results from the

detailed assessment of the plant to be used in the works, additional mitigation measures may be triggered.

The closest medical facility to the works location where a vibratory roller is proposed is approximately 70m in NCA 06 and 40m in NCA 10. The facility at 761 Punchbowl Road, Punchbowl is a surgical centre and potentially contains vibration sensitive equipment. This site should be investigated further to determine potential vibration impacts.

Vibration impacts are not expected at the other identified medical facilities. Furthermore, it is unlikely that many of these facilities house vibration-sensitive medical equipment.

Vibratory rollers up to 13t are expected to be required during the track works for BEW. These works could occur within 35m of commercial receivers to the south and 65m of residential receivers to the southeast. These works could therefore have a minor impact on human comfort at nearby receivers. There is a medical imaging centre located at 258 South Terrace, Bankstown. This facility is approximately 35m from the nearest BEW works and potentially contains vibration sensitive equipment. This site should be investigated further to determine potential vibration impacts. It is recommended to monitor vibration throughout the duration of the works close to these receivers, as well as notify them of the upcoming construction works. Pending results from the detailed assessment of the plant to be used in the works, additional mitigation measures may be triggered.

6.6.2 Bored Piling

Typical vibration levels from previous measurements of bored piling indicate that vibration levels are insignificant at distances of 5m and greater. TfNSW Construction Noise and Vibration Strategy recommended minimum working distances for cosmetic building damage are lower than this at 2m. It is recommended that potential impacts on human comfort are not of concern at any distances.

Piling works will occur as part of the construction of the retaining wall in NCA 09.

These works are not considered likely to cause vibration levels in excess of the screening criterion of 7.5mm/s and will not occur at distance of less than 10m from a receiver.

CFA piling rigs are expected to be required during the new platform and service building piling for BEW. These works could occur within approximately 15m of the commercial receivers to south and 30m of the residential receivers to the south east. No exceedances of the screening criteria are predicted for these works.

6.6.3 Excavator with Hammer

Typical vibration levels from previous measurements of a large excavator with a hammer attachment indicate that vibration levels are well below the screening criteria at distances of 5m and greater. TfNSW Construction Noise and Vibration Strategy recommended minimum working distances for cosmetic building damage are higher than this at 22m. It is recommended that potential impacts on human comfort are possible within 73m of a large excavator with a hammer attachment.

It is proposed to only use a smaller 13t excavator for the demolition of existing ARTC infrastructure. Due to the size of the excavator and distance of closest works to a relevant receiver being a minimum of 10m away, it is not expected that any cosmetic building damage impacts are likely.

The potential use of an excavator with a hammer attachment is proposed right along the work site from NCA 01 to NCA 06. There are therefore receivers within the recommended 73m for human comfort in each of these noise catchment areas. Receivers are potentially located approximately 10m from the works areas and therefore impacts to human comfort are likely. Monitoring of vibration impacts is recommended during these works.

Use of a 24t excavator with a hammer attachment is expected to be required for the BEW demolition of existing overhead wires footings. These works could occur within approximately 35m of commercial receivers to the north and south, and 40m of the residential receivers to the south. Vibration levels are expected to be well below the building damage screening criteria at these distances, however there is potential for impacts to human comfort. Monitoring of vibration impacts is recommended during these works.

6.7 Ground-Borne Noise

Ground-borne or regenerated noise is noise generated by vibration transmitted through the ground into a structure that may lead to noise “regenerated” within a space in the building. The Construction Noise and Vibration Strategy provides criteria for both residential and commercial receivers, at various time periods. The ground-borne noise criteria are presented in Table 6-8.

Table 6-8 Ground-borne noise management levels

Period	Receiver	L _{Aeq,15min} (Internal)
Day (7.00am-6.00pm)	Residential	45
	Commercial	50
Evening (6.00pm-10.00pm)	Residential	40
Day (10.00pm-7.00pm)	Residential	35

The CNVS states that these criteria are only applicable when ground-borne noise levels are higher than the airborne noise levels.

All the works previously identified with the potential to cause vibration impacts are surface works. Levels within receiver buildings are predicted to be very low, and below the ground-borne noise management levels. Importantly, in these cases noise impacts from airborne noise will be worse than ground-borne noise. A detailed ground-borne noise assessment is not required.

7 CONCLUSION

This report outlines the assessment of the potential for noise and vibration impacts that may result to surrounding receivers from the Southwest Metro Corridor works between Sydenham and Bankstown.

The impacts from the proposed works have been assessed against the Sydney Metro City & Southwest Construction Noise and Vibration Strategy requirements, the requirements of EPL 21147 and the *Conditions of Approval for Sydney Metro Sydenham to Bankstown Upgrade SSI 8256*.

A number of noise scenarios representing a range of the works that will occur during the construction stage of this project have been assessed. These scenarios were chosen to capture potential worst-case noise emissions for different surrounding receivers throughout different stages of the construction.

Potential exceedances of the noise management level have been predicted during the range of assessed scenarios that will occur during construction stages in Section 5.3 and 5.4. Where an exceedance has been predicted, additional mitigation measures have been recommended in line with the recommendations in the Sydney Metro City & Southwest Construction Noise and Vibration Strategy and the associated Construction Noise and Vibration Management Plan. However, it is noted that the durations of the expected noise events are short.

A number of vibration intensive works have been identified. Initial predictions show that these works will not exceed the screening criteria levels. As per the CNVS, monitoring and further assessment of plant before operation has been recommended.

APPENDIX A

LAND USE SURVEY MAPS



-  NCAs
-  Residential
-  Commercial
-  Industrial
-  Education
-  Place of Worship
-  Childcare Centre
-  Medical

Southwest Metro Corridor

Land Use Survey

NCA 01



- NCA01
- NCA02
- Residential
- Commercial
- Industrial
- Education
- Place of Worship
- Childcare Centre
- Medical

Southwest Metro Corridor

Land Use Survey

NCA 02



- NCA02
 - NCA03
 - NCA04
 - NCA05
- Residential
 - Commercial
 - Industrial
 - Education
 - Place of Worship
 - Childcare Centre
 - Medical

Southwest Metro Corridor

Land Use Survey

NCA 03



- NCA05
- NCA06
- NCA07
- Residential
- Commercial
- Industrial
- Education
- Place of Worship
- Childcare Centre
- Medical

Southwest Metro Corridor

Land Use Survey

NCA 06



- NCA07
 - NCA08
 - NCA09
- NCA's
 - Residential
 - Commercial
 - Industrial
 - Education
 - Place of Worship
 - Childcare Centre
 - Medical

Southwest Metro Corridor

Land Use Survey

NCA 08



- NCA08
- NCA09
- NCA10
- Residential
- Commercial
- Industrial
- Education
- Place of Worship
- Childcare Centre
- Medical

Southwest Metro Corridor

Land Use Survey

NCA 09



- NCA11
 - NCA09
 - NCA10
- NCA's
 - Residential
 - Commercial
 - Industrial
 - Education
 - Place of Worship
 - Childcare Centre
 - Medical

Southwest Metro Corridor

Land Use Survey

NCA 10



- NCA12
- Residential
- Commercial
- Industrial
- Education
- Place of Worship
- Childcare Centre
- Medical

Southwest Metro Corridor

Land Use Survey

NCA 11



- NCA13
 - NCA12
 - NCA11
- NCA's
 - Residential
 - Commercial
 - Industrial
 - Education
 - Place of Worship
 - Childcare Centre
 - Medical

Southwest Metro Corridor

Land Use Survey

NCA 12



- NCA13
- Residential
- Commercial
- Industrial
- Education
- Place of Worship
- Childcare Centre
- Medical

NCA12

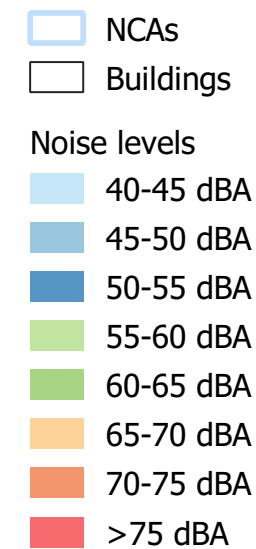
Southwest Metro Corridor

Land Use Survey

NCA 13

APPENDIX B

SCENARIO NOISE CONTOURS

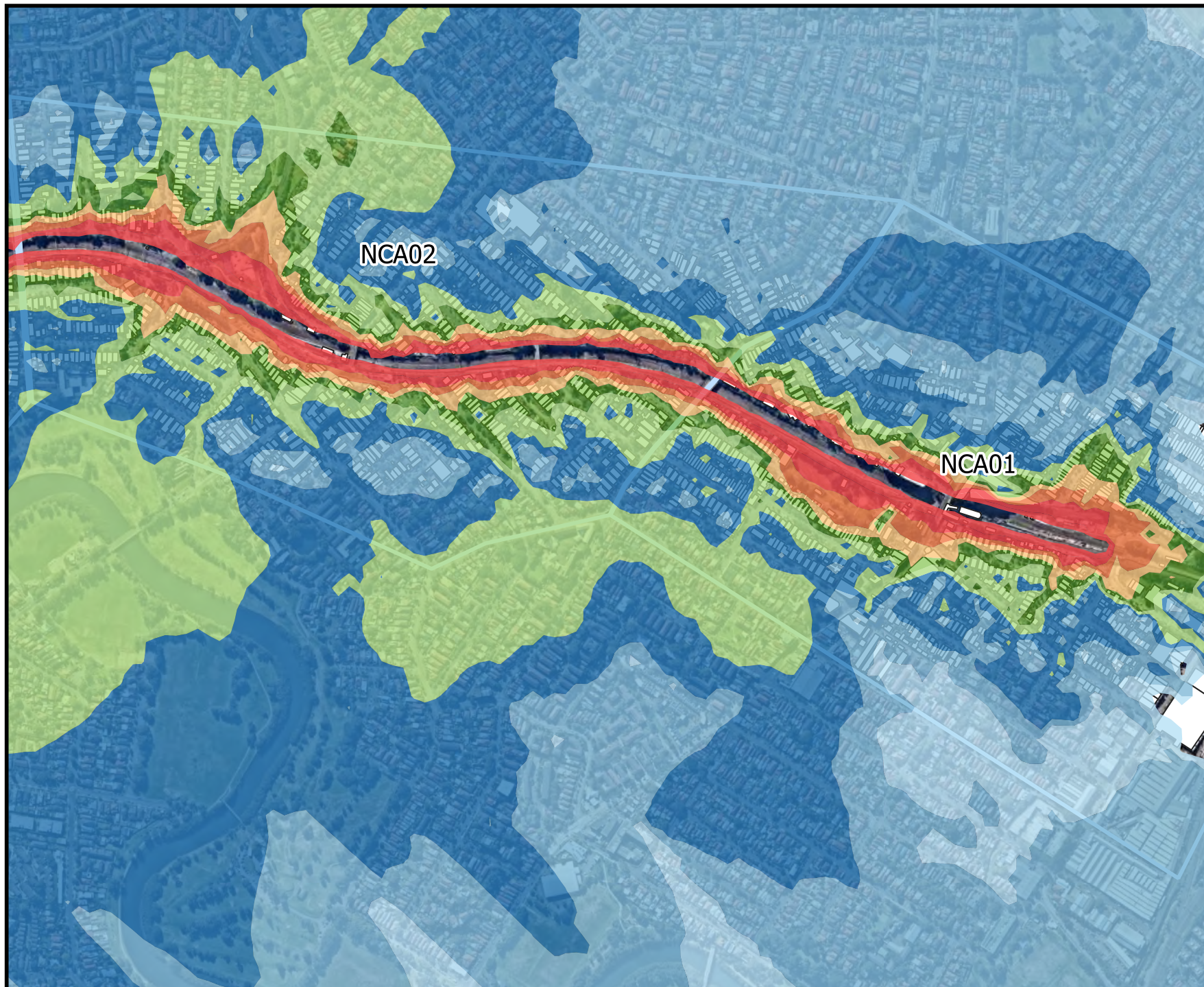


Scenario 1

Main compound

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement



- NCA01
- NCA02

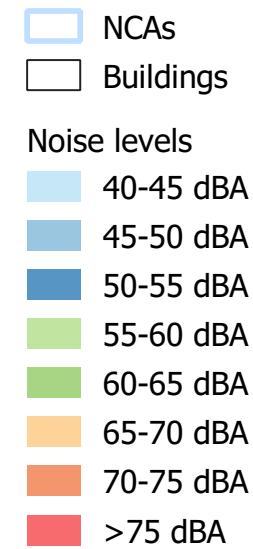
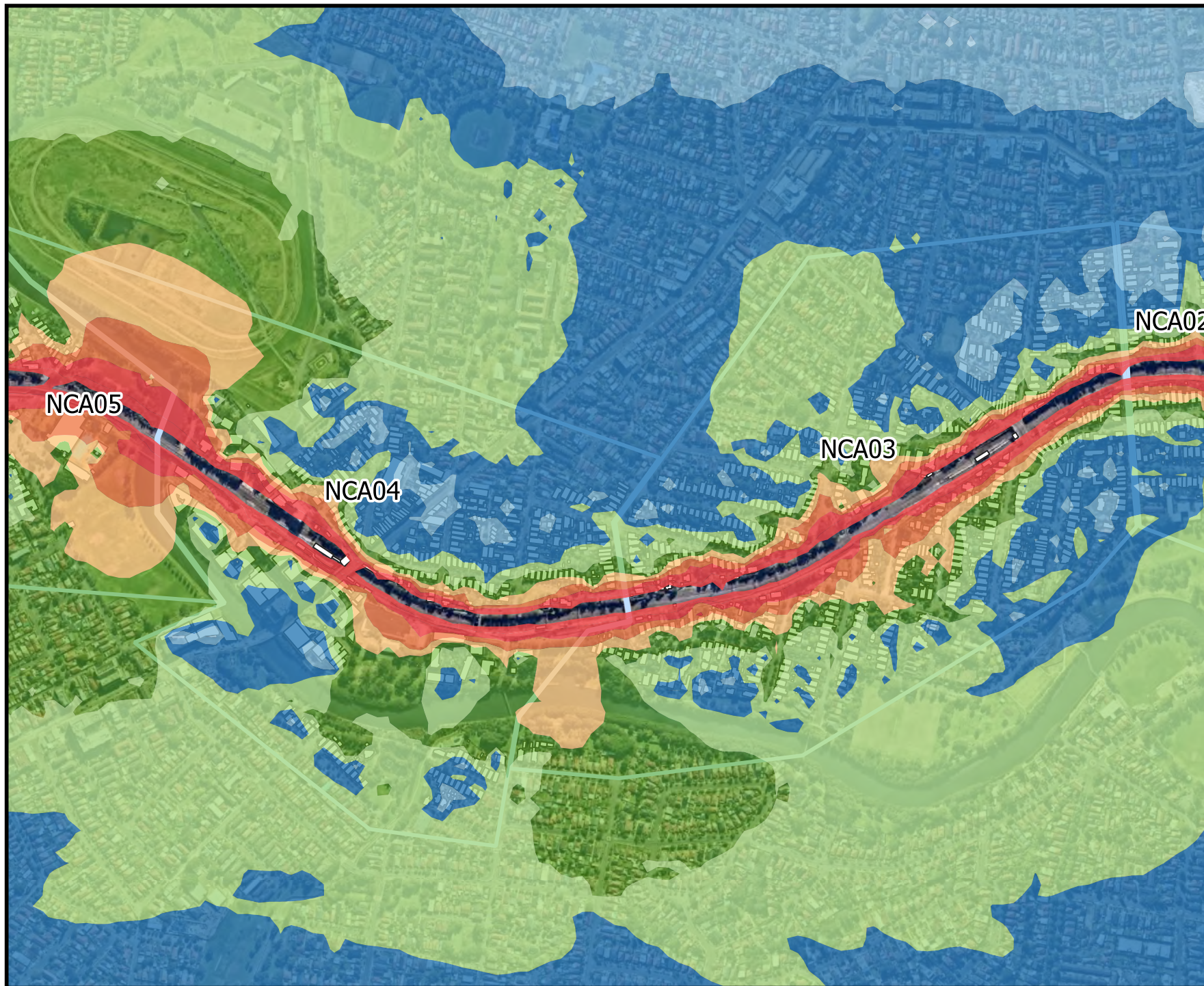
- Noise levels
- 40-45 dBA
 - 45-50 dBA
 - 50-55 dBA
 - 55-60 dBA
 - 60-65 dBA
 - 65-70 dBA
 - 70-75 dBA
 - >75 dBA

Scenario 2 - NCA 01 and
NCA 02

Demolition of ARTC
infrastructure

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement

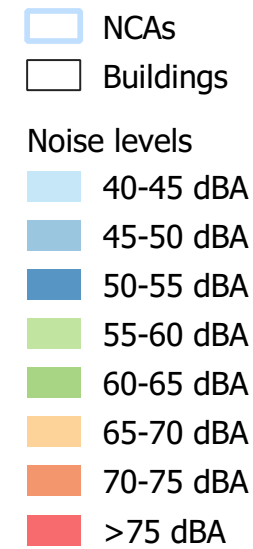
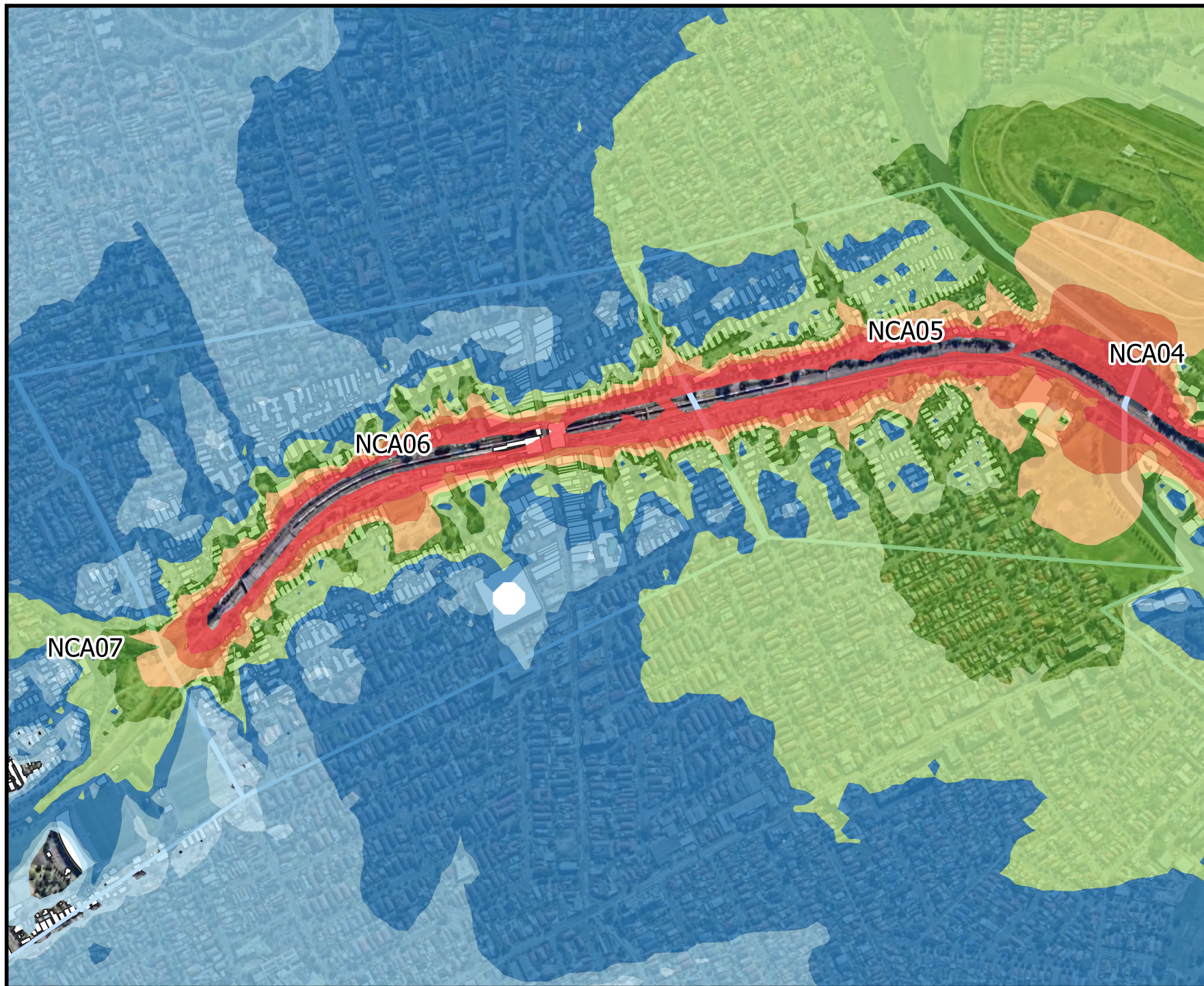


Scenario 2 - NCA 03 and
NCA 04

Demolition of ARTC
infrastructure

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement

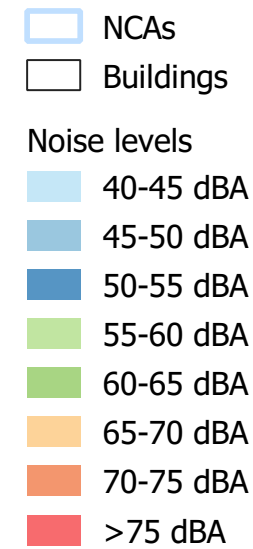
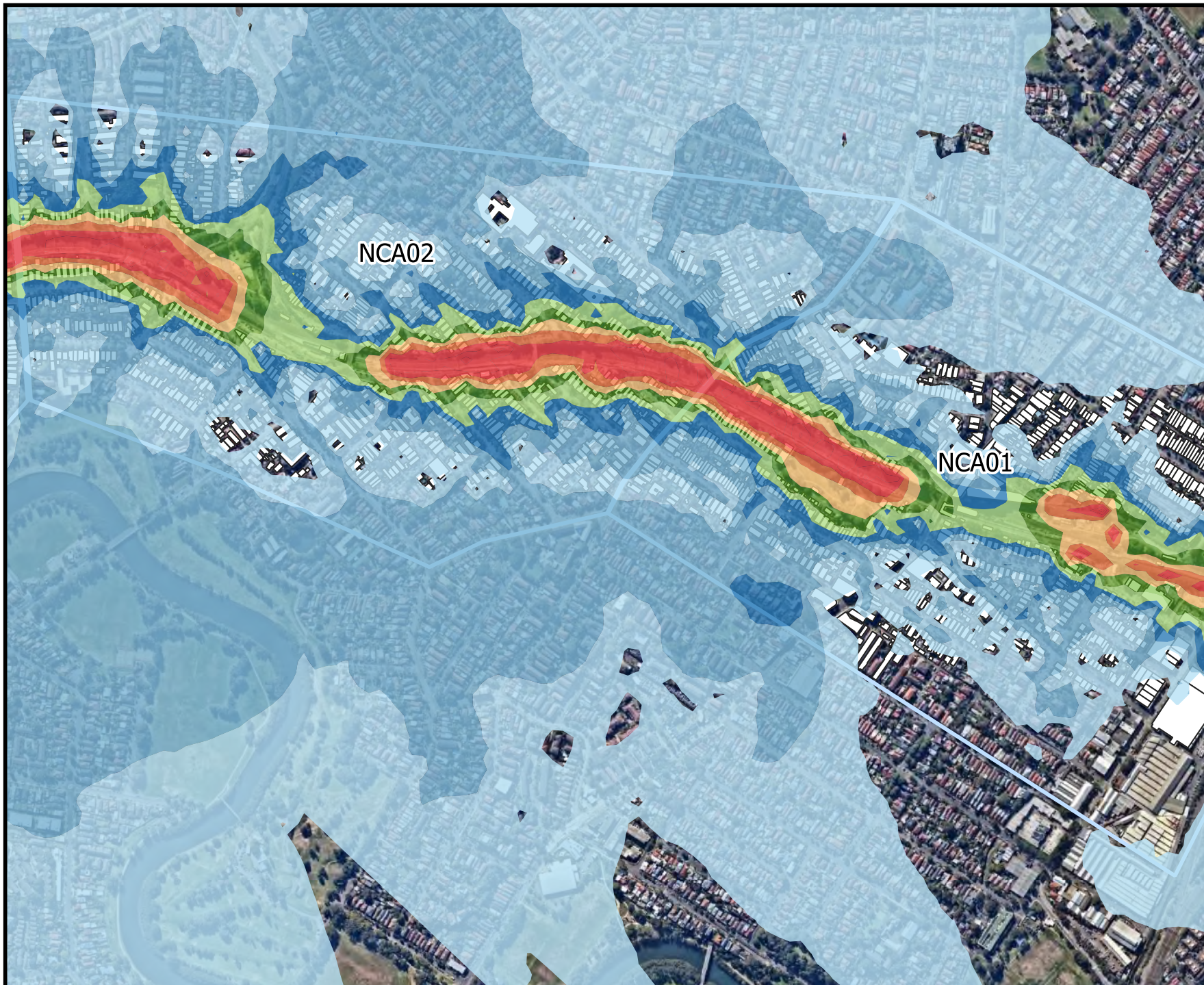


Scenario 2 - NCA 05 and
NCA 06

Demolition of ARTC
infrastructure

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement



Scenario 2 - NCA 01 and
NCA 02

Fencing

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement



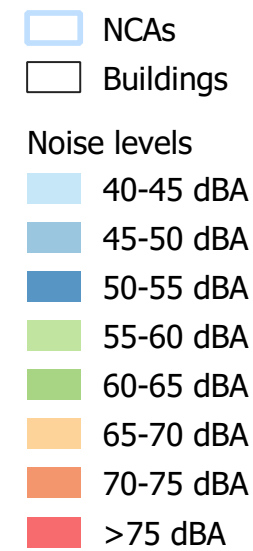
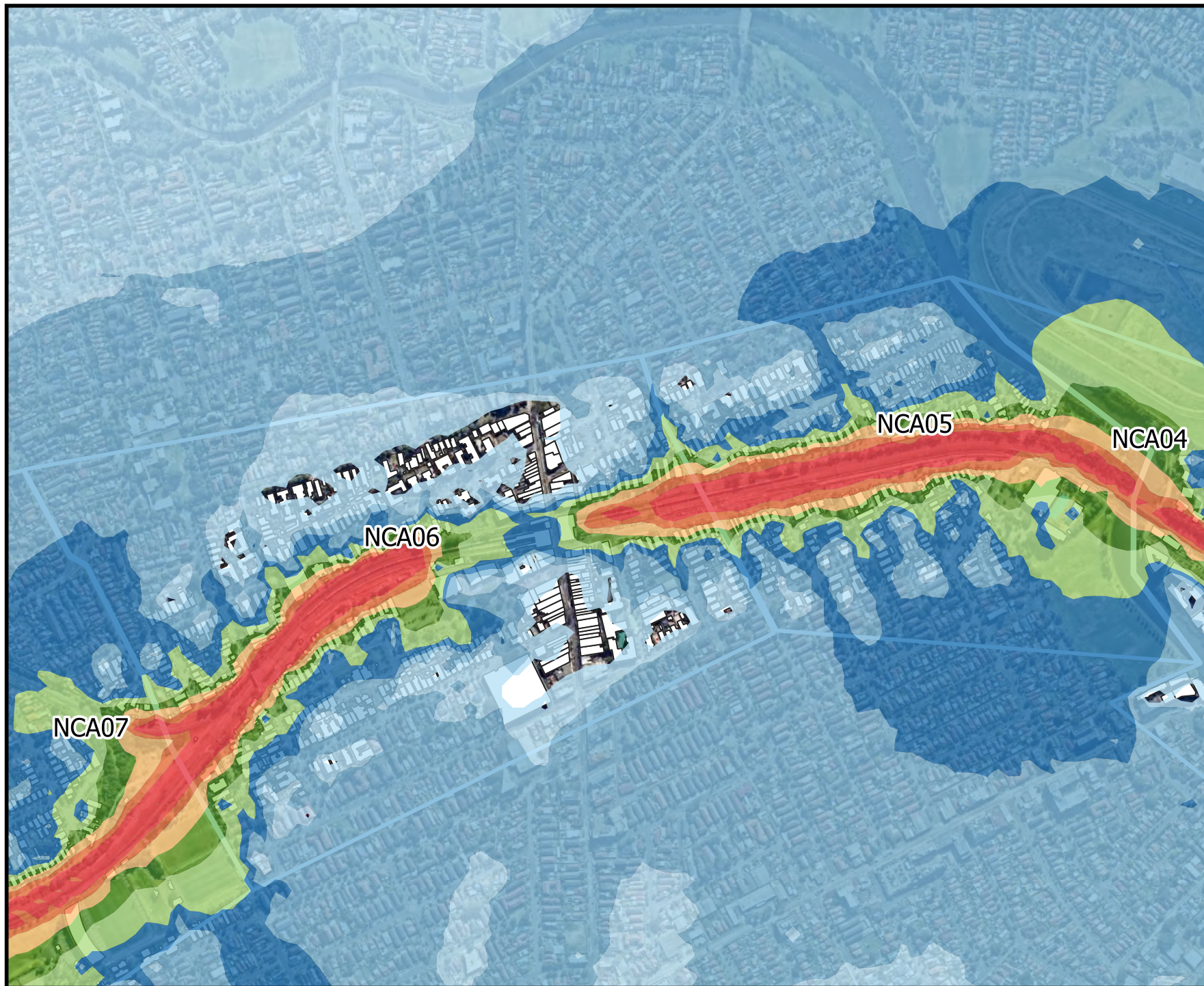
- NCA05
 - NCA04
 - NCA03
- Noise levels
- 40-45 dBA
 - 45-50 dBA
 - 50-55 dBA
 - 55-60 dBA
 - 60-65 dBA
 - 65-70 dBA
 - 70-75 dBA
 - >75 dBA

Scenario 2 - NCA 03 and
NCA 04

Fencing

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement

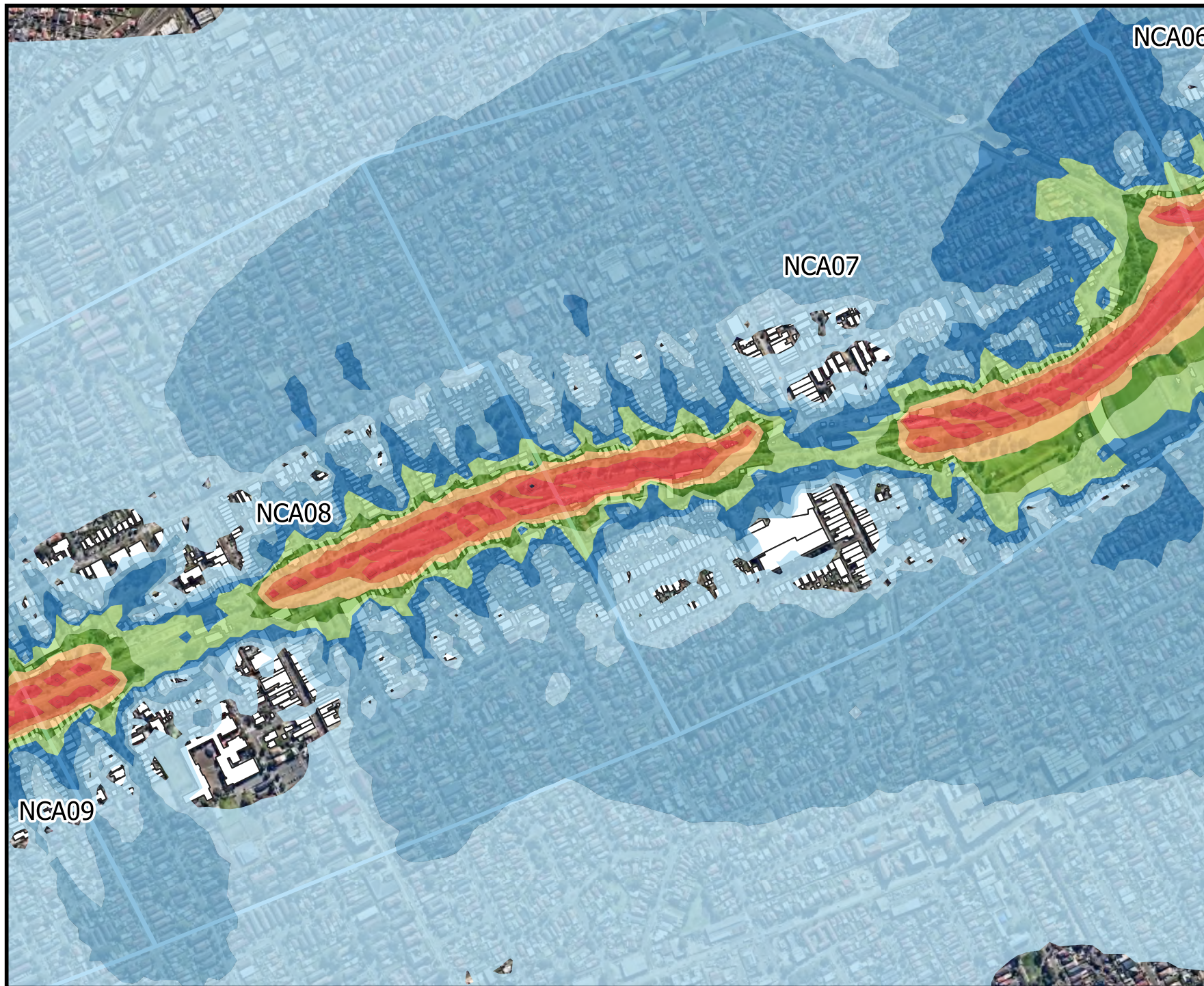


Scenario 3 - NCA 05 and
NCA 06

Fencing

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement



NCA06

NCA07

NCA08

NCA09

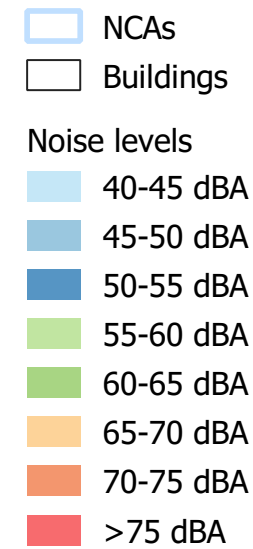
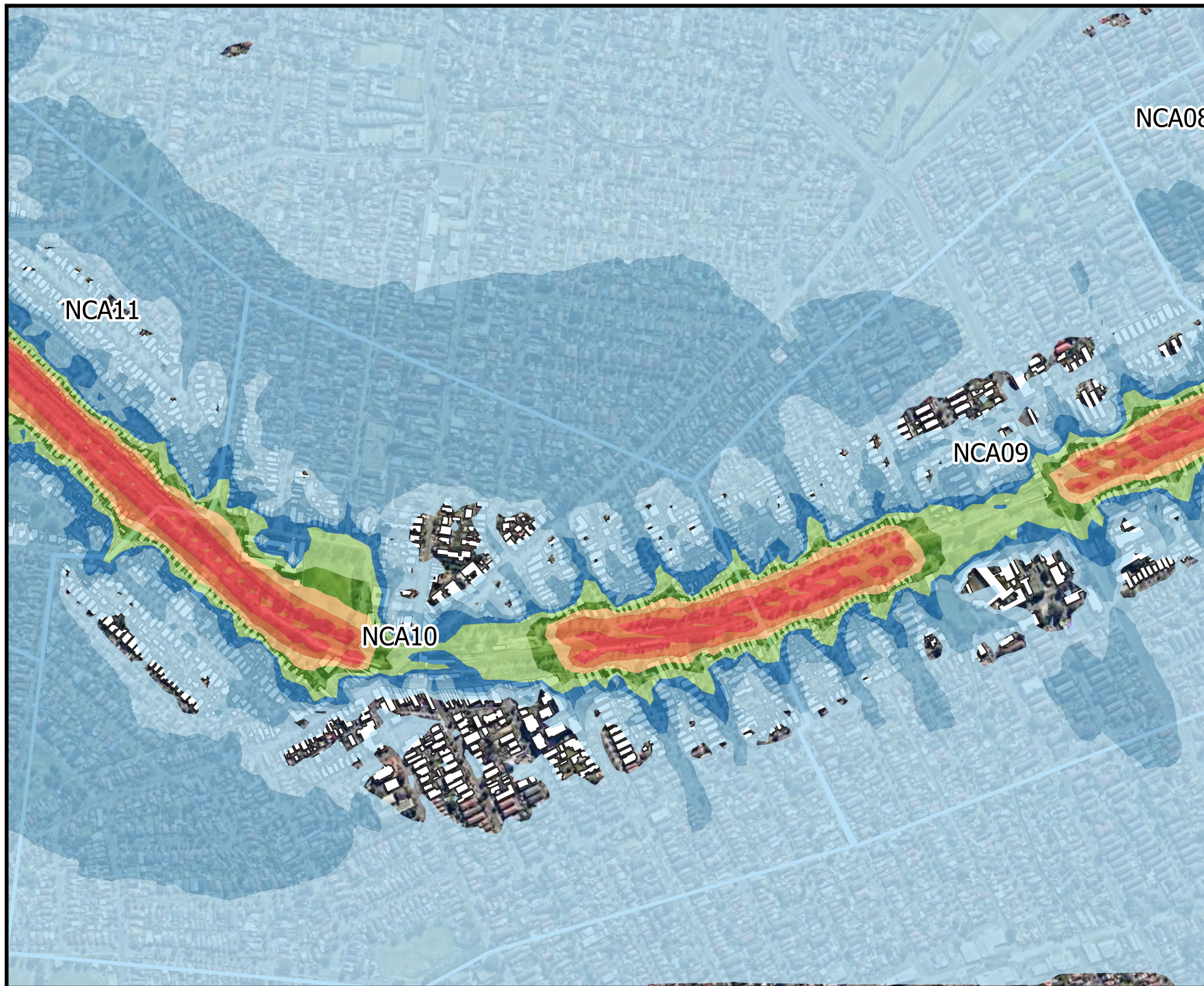


Scenario 3 - NCA 07 and
NCA 08

Fencing

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement

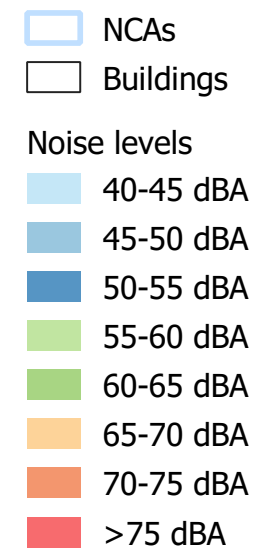
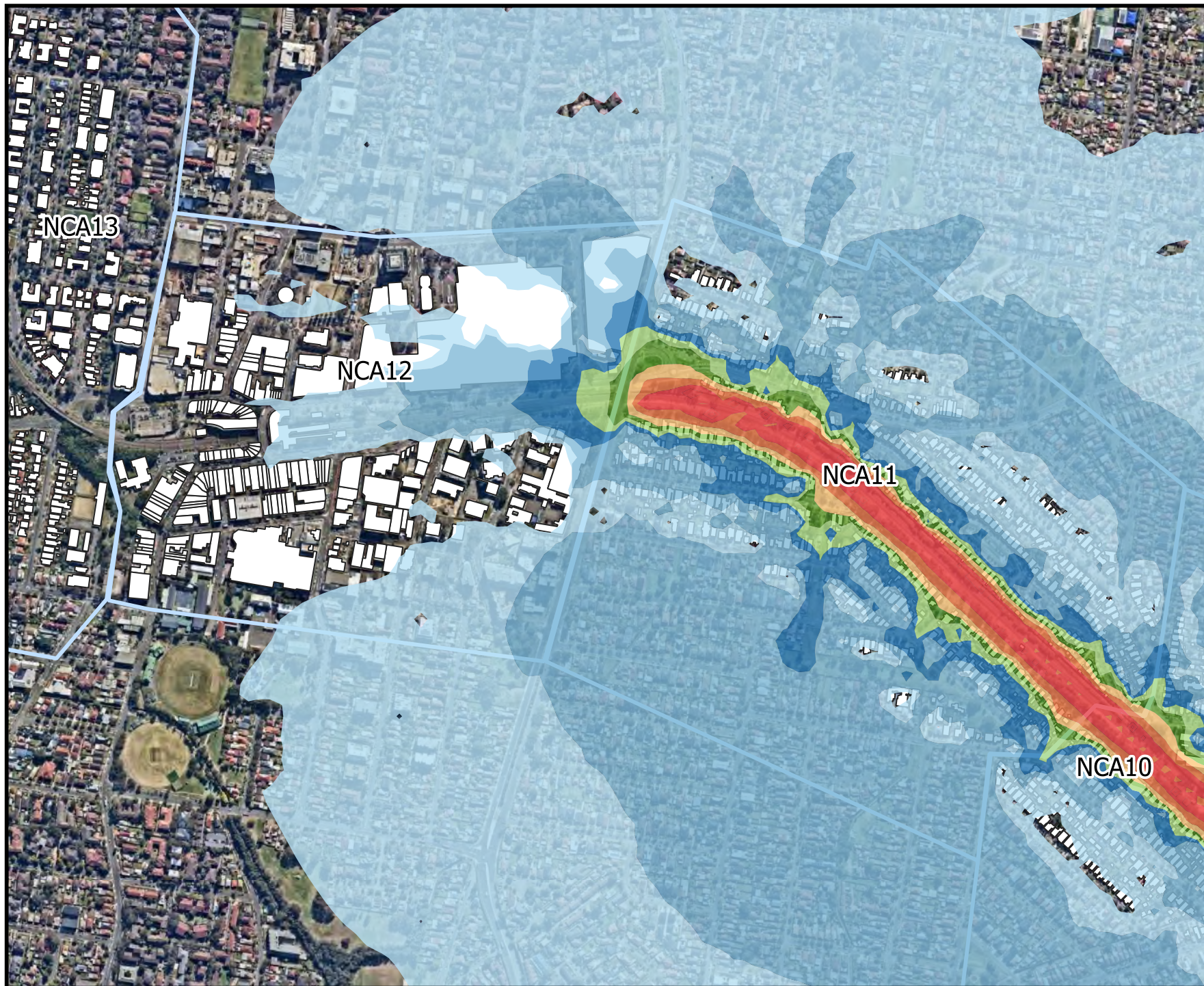


Scenario 3 - NCA 09 and
NCA 10

Fencing

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement

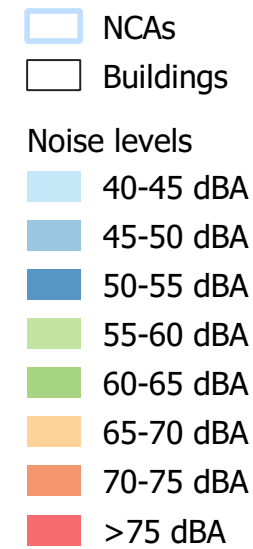


Scenario 3 - NCA 11 and
NCA 12

Fencing

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement

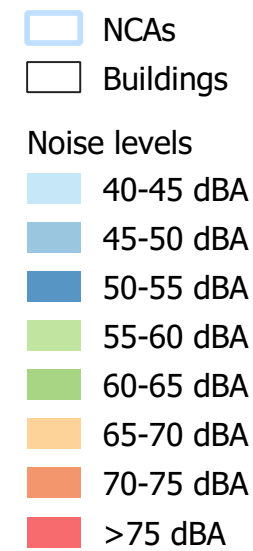


Scenario 4 - NCA 01 and
NCA 02

CSR

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement



Scenario 4 - NCA 03 and
NCA 04

CSR

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement



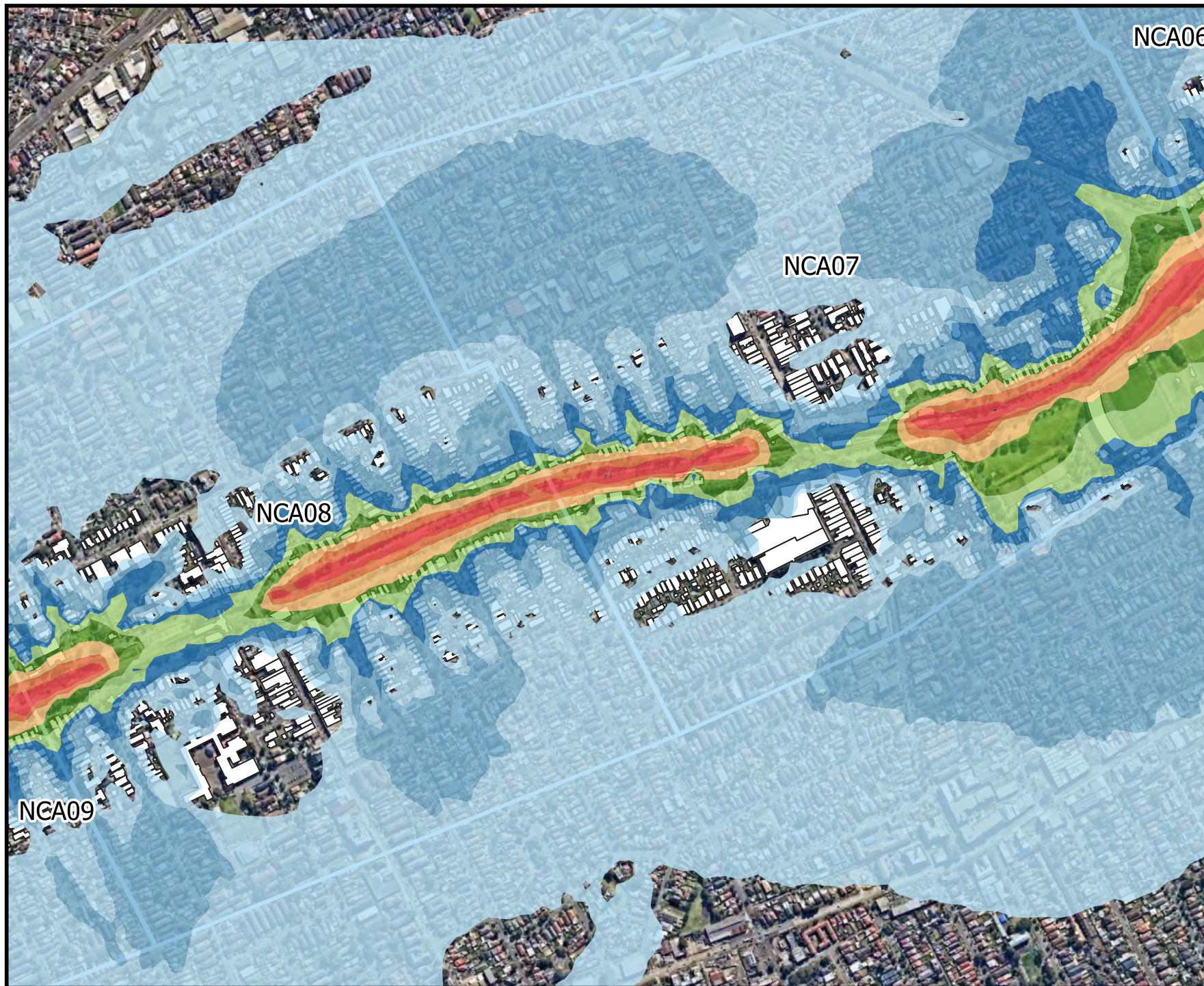
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- Buildings
- Noise levels
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 - 45-50 dBA
 - 50-55 dBA
 - 55-60 dBA
 - 60-65 dBA
 - 65-70 dBA
 - 70-75 dBA
 - >75 dBA

Scenario 4 - NCA 05 and
NCA 06

CSR

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement



NCA06

NCA07

NCA08

NCA09

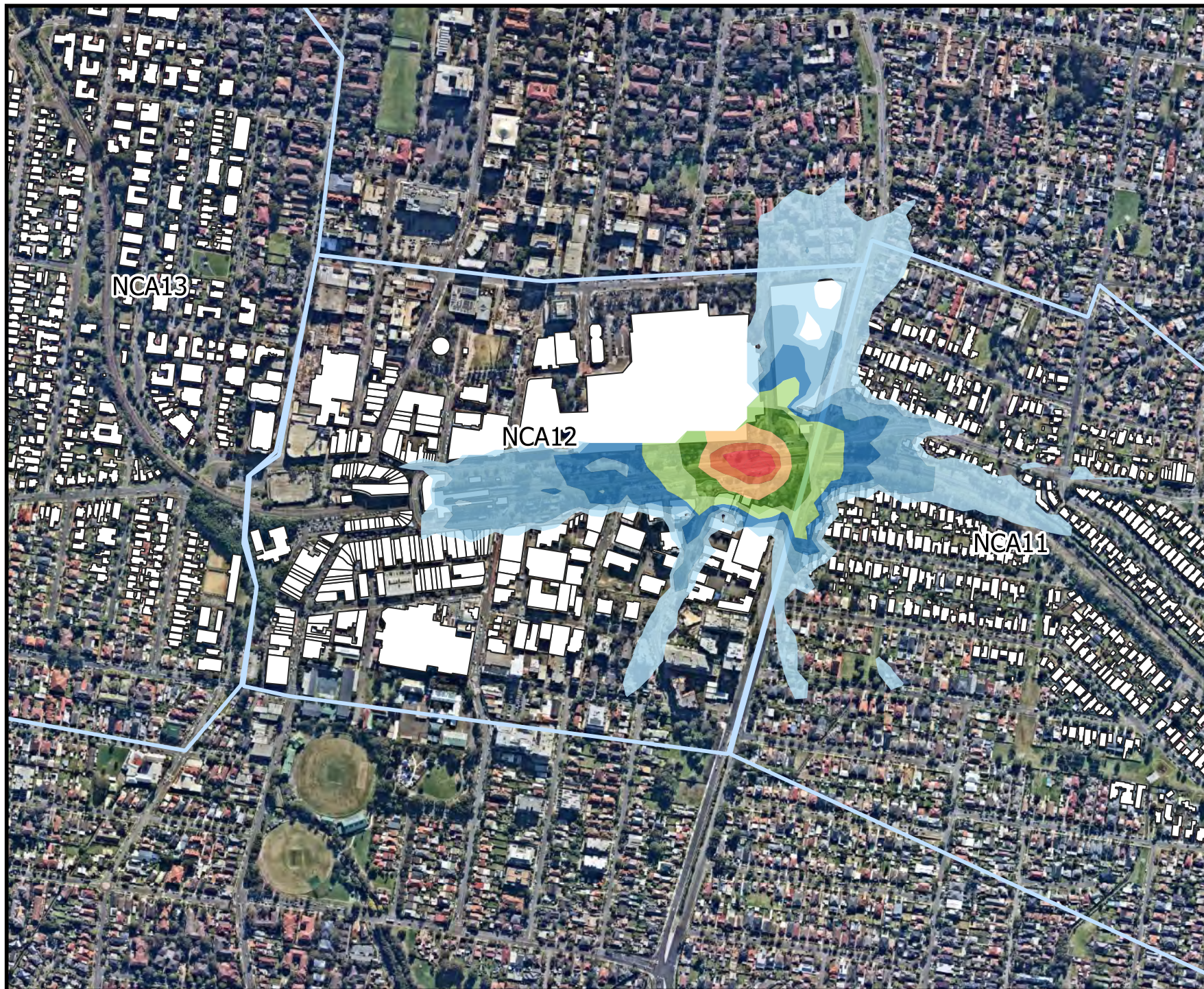
- NCA06
 - NCA07
 - NCA08
 - NCA09
- Noise levels
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 - 50-55 dBA
 - 55-60 dBA
 - 60-65 dBA
 - 65-70 dBA
 - 70-75 dBA
 - >75 dBA

Scenario 4 - NCA 07 and
NCA 08

CSR

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement



-  NCAs
-  Buildings

Noise Contours

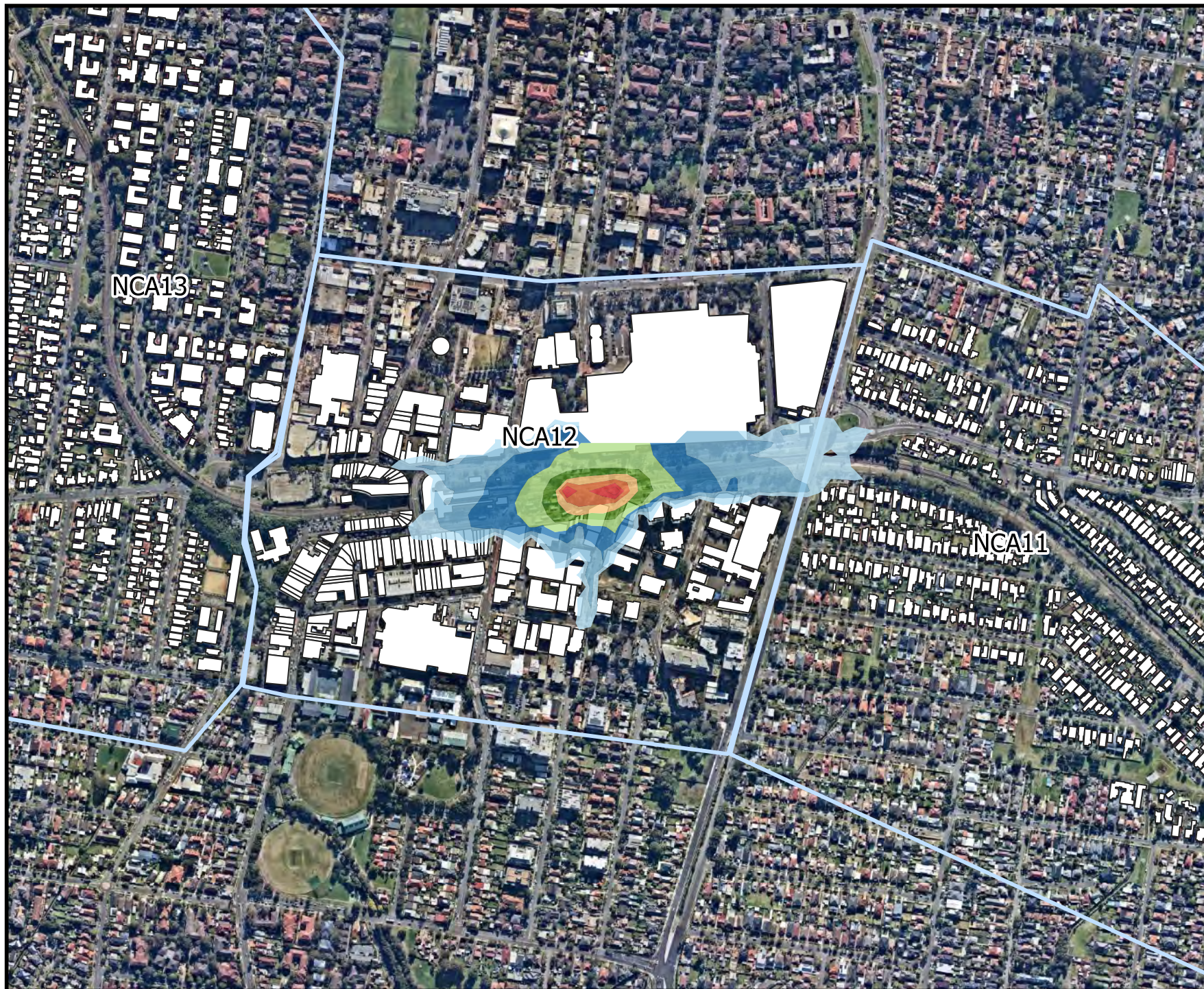
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-  65-70 dBA
-  70-75 dBA
-  >75 dBA

Scenario B_01

Drainage works

Southwest Metro Bankstown
Early Works

Construction Noise &
Vibration Impact Statement



-  NCAs
-  Buildings

Noise Contours

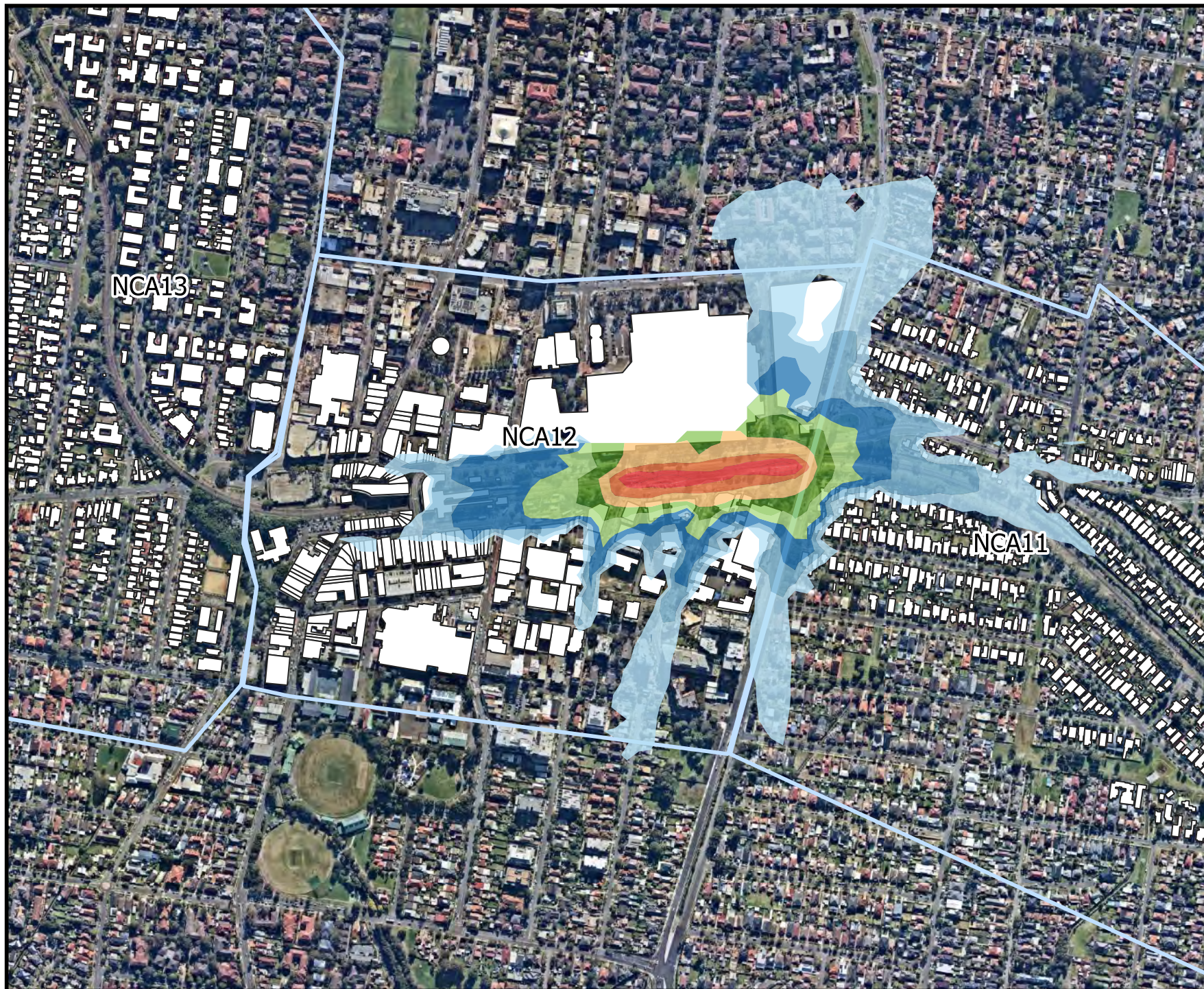
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-  70-75 dBA
-  >75 dBA

Scenario B_02

Fencing works

Southwest Metro Bankstown
Early Works

Construction Noise &
Vibration Impact Statement



-  NCAs
-  Buildings

Noise Contours

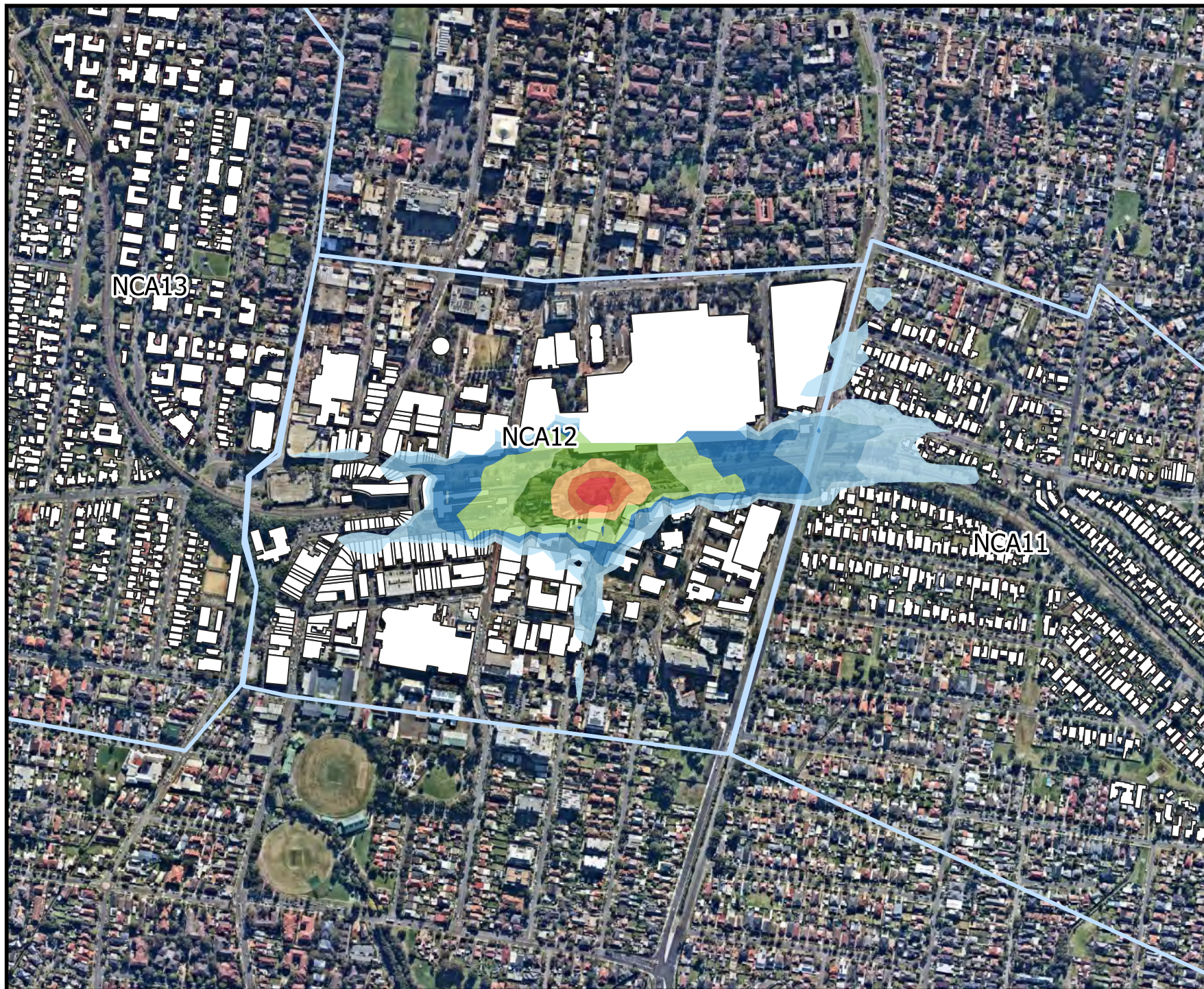
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-  70-75 dBA
-  >75 dBA

Scenario B_03

CSR works

Southwest Metro Bankstown
Early Works

Construction Noise &
Vibration Impact Statement



-  NCAs
-  Buildings

Noise Contours

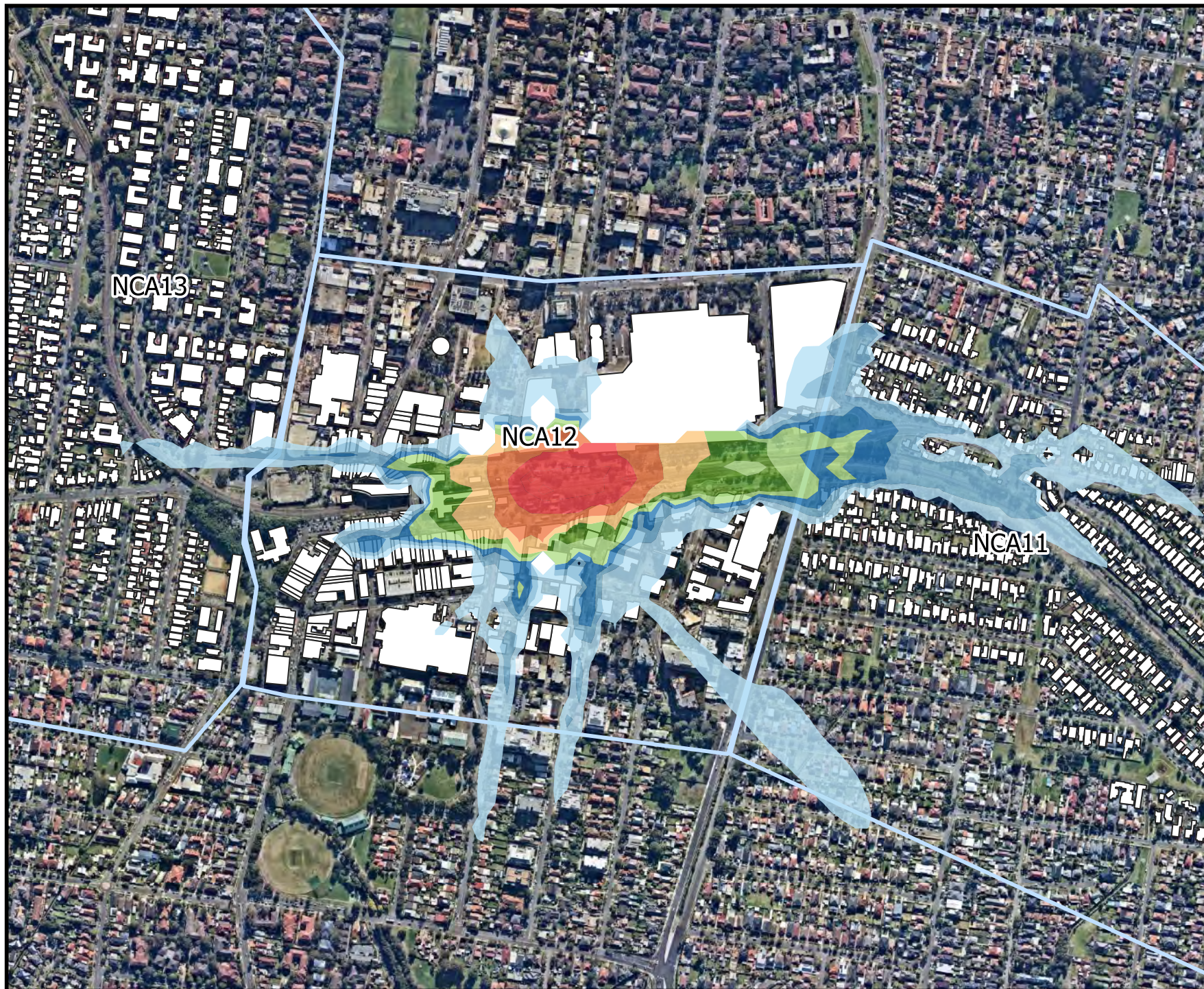
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-  65-70 dBA
-  70-75 dBA
-  >75 dBA

Scenario B_04

Service building works

Southwest Metro Bankstown
Early Works

Construction Noise &
Vibration Impact Statement



- NCA13
- NCA12
- NCA11

Noise Contours

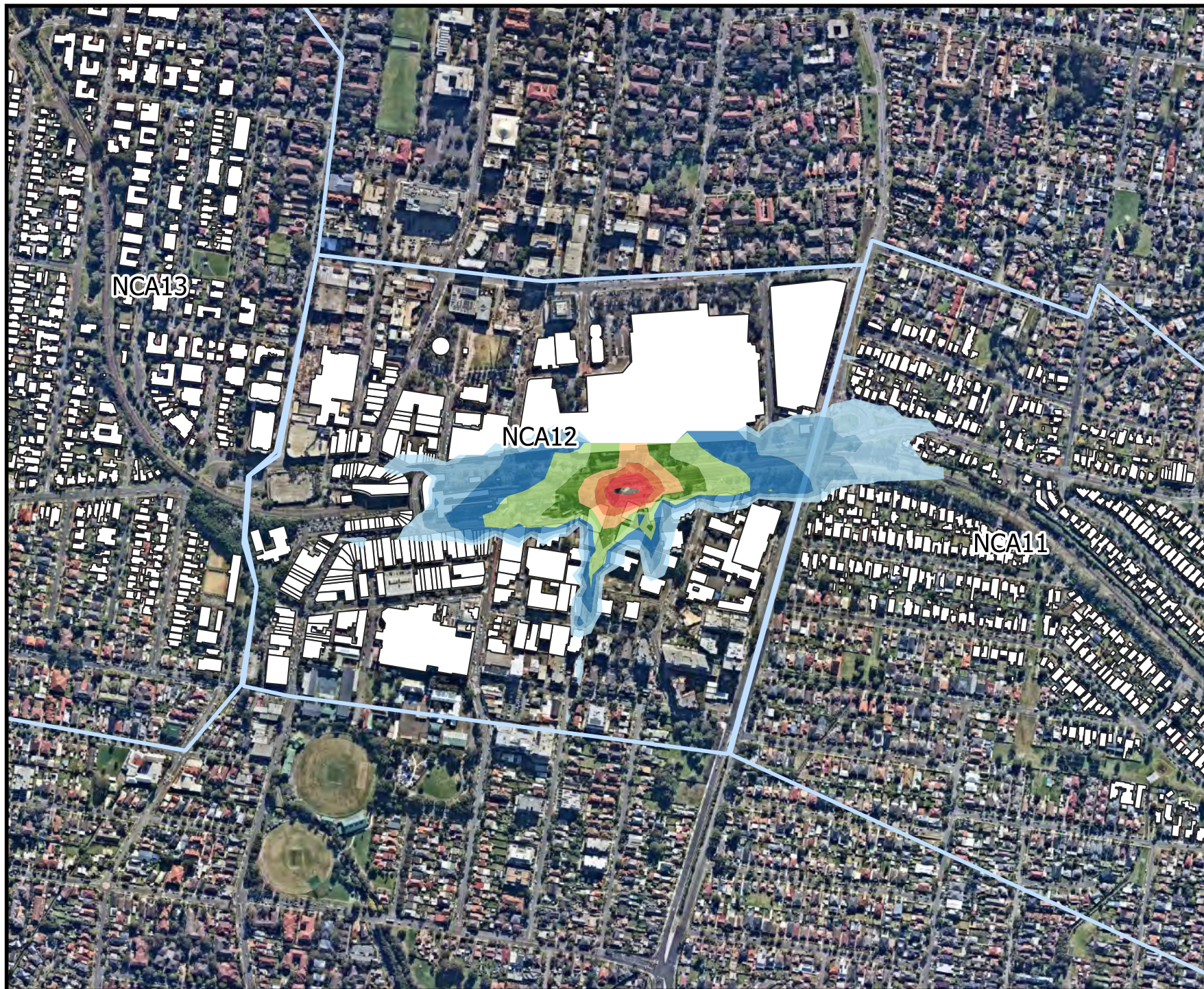
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- 55-60 dBA
- 60-65 dBA
- 65-70 dBA
- 70-75 dBA
- >75 dBA

Scenario B_05

Overhead wires works

Southwest Metro Bankstown
Early Works

Construction Noise &
Vibration Impact Statement



-  NCAs
-  Buildings

Noise Contours

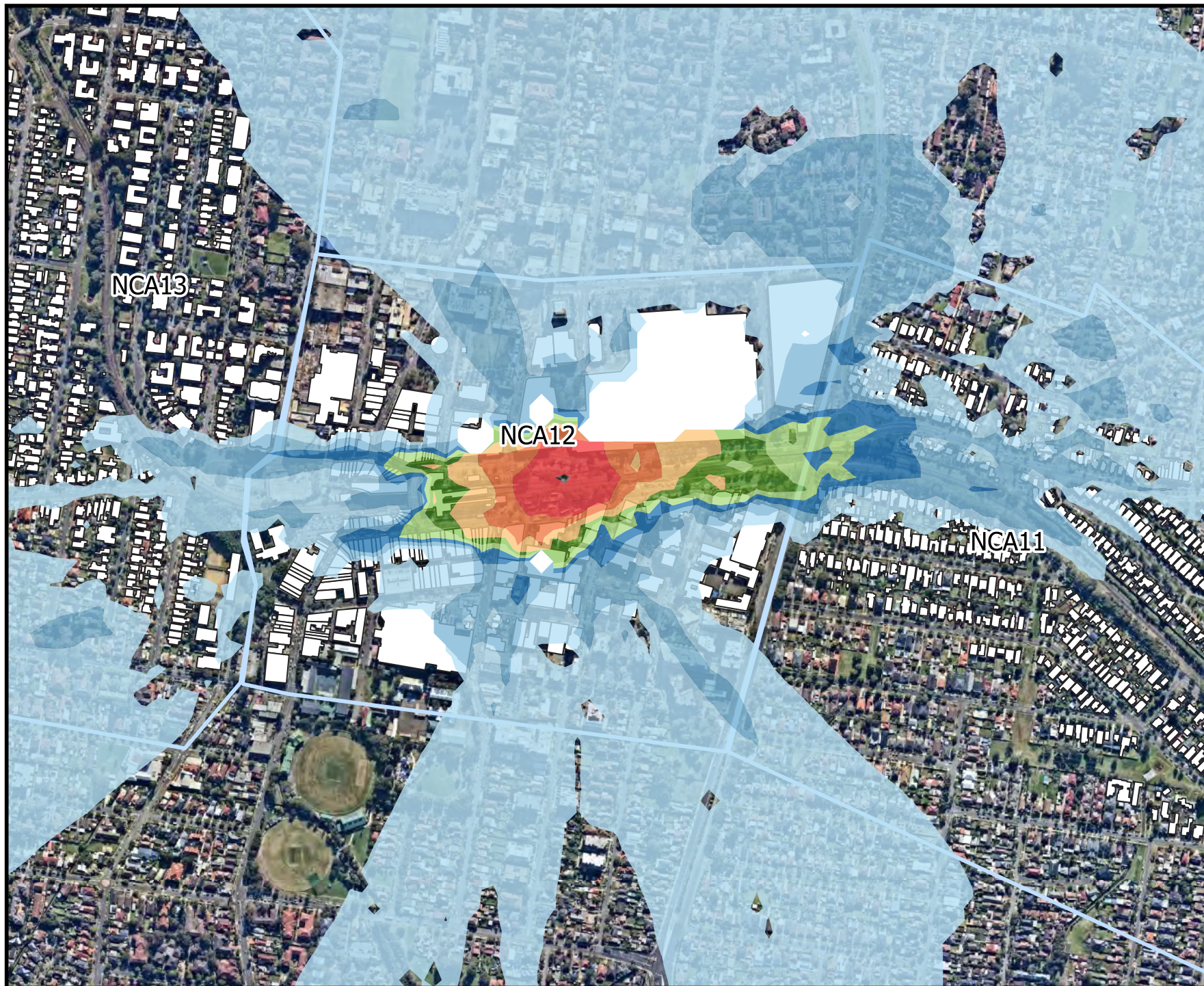
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-  55-60 dBA
-  60-65 dBA
-  65-70 dBA
-  70-75 dBA
-  >75 dBA

Scenario B_06

Utilities works

Southwest Metro Bankstown
Early Works

Construction Noise &
Vibration Impact Statement



-  NCAs
-  Buildings

Noise Contours

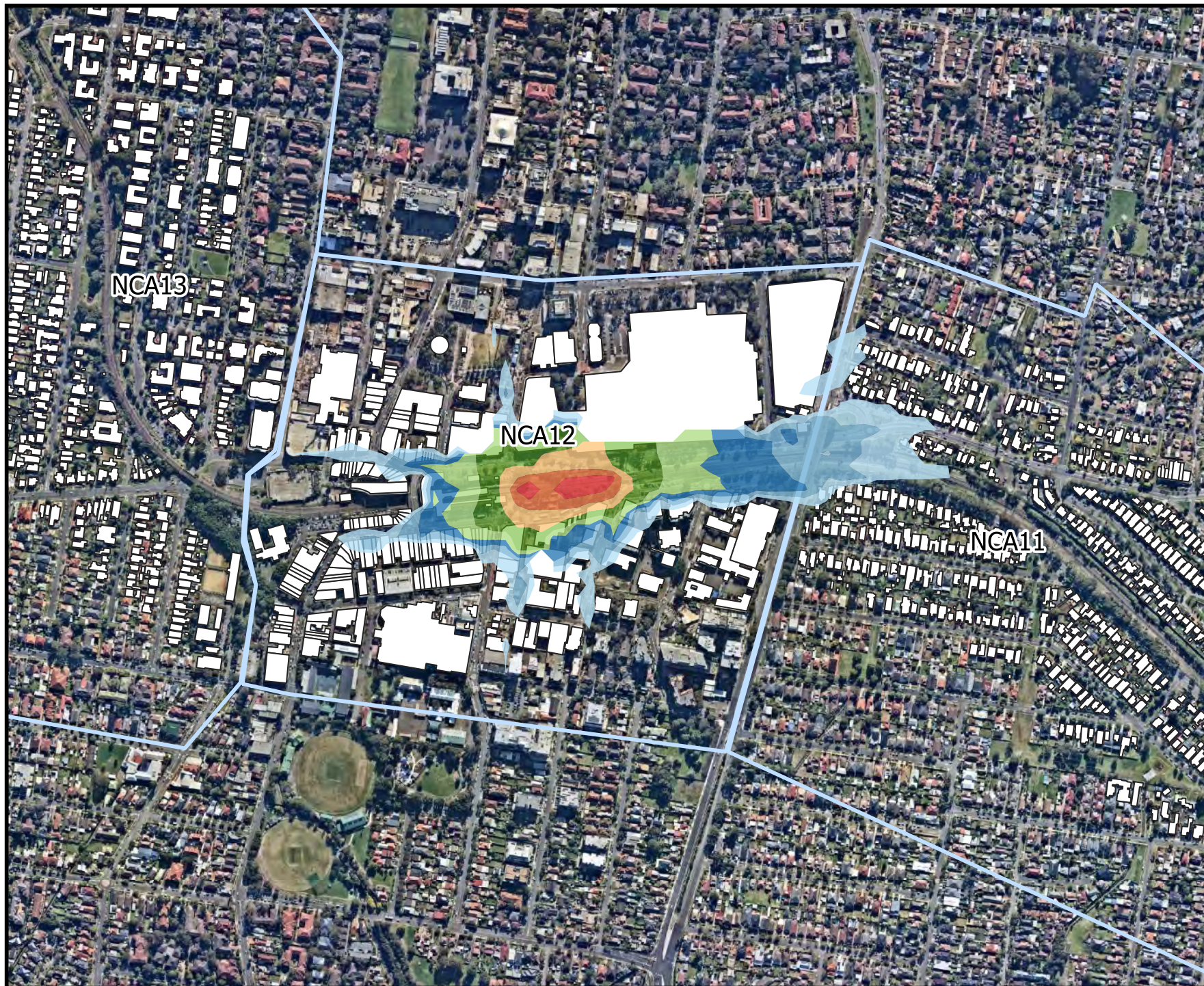
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-  50-55 dBA
-  55-60 dBA
-  60-65 dBA
-  65-70 dBA
-  70-75 dBA
-  >75 dBA

Scenario B_07

Track works

Southwest Metro Bankstown
Early Works

Construction Noise &
Vibration Impact Statement



-  NCAs
-  Buildings

Noise Contours

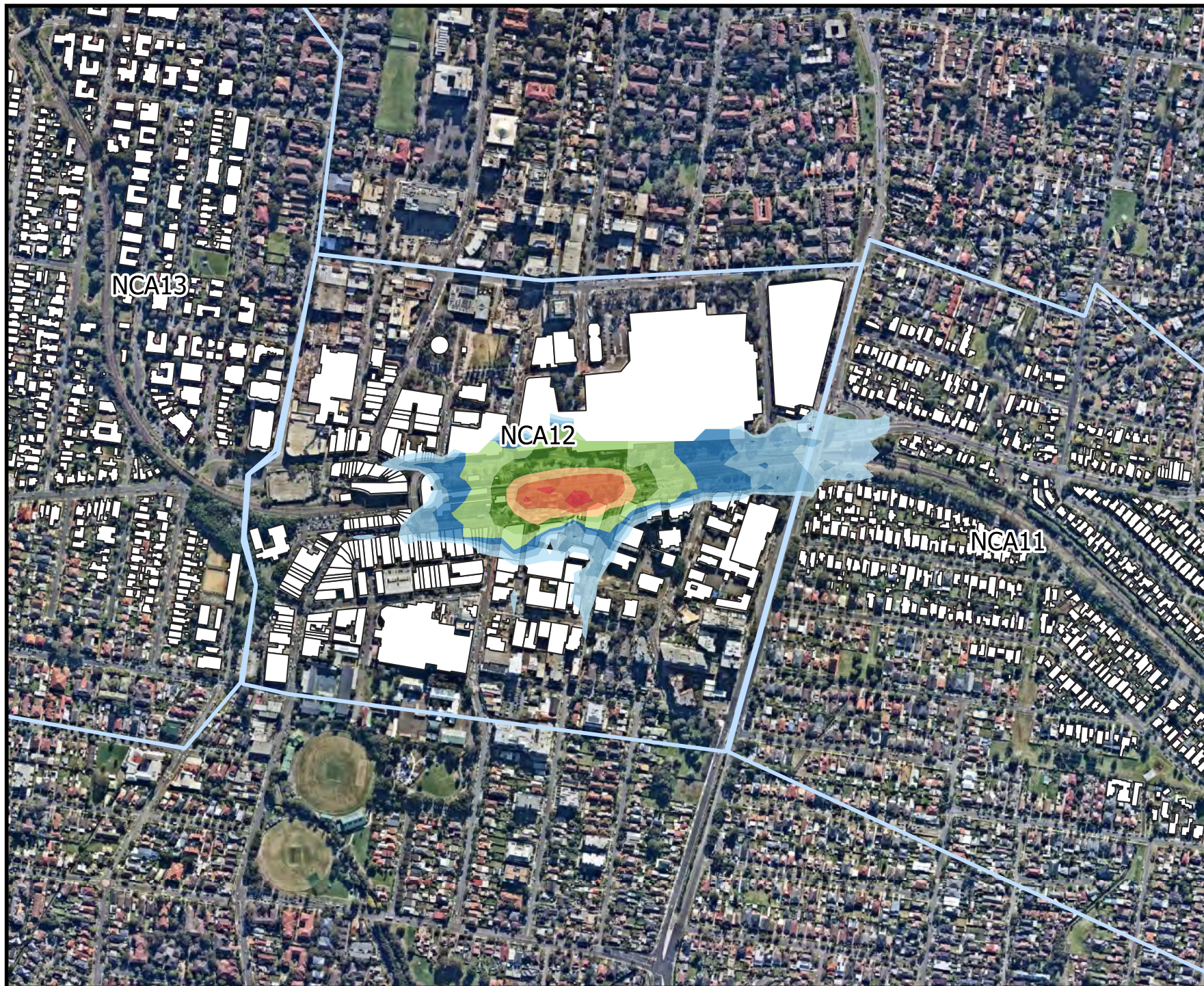
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-  55-60 dBA
-  60-65 dBA
-  65-70 dBA
-  70-75 dBA
-  >75 dBA

Scenario B_08

Platform works

Southwest Metro Bankstown
Early Works

Construction Noise &
Vibration Impact Statement



-  NCAs
-  Buildings

Noise Contours

-  40-45 dBA
-  45-50 dBA
-  50-55 dBA
-  55-60 dBA
-  60-65 dBA
-  65-70 dBA
-  70-75 dBA
-  >75 dBA

Scenario B_09

Tree removal works

Southwest Metro Bankstown
Early Works

Construction Noise &
Vibration Impact Statement



- NCA13
 - NCA12
 - NCA11
- NCAs
- Buildings

Noise Contours

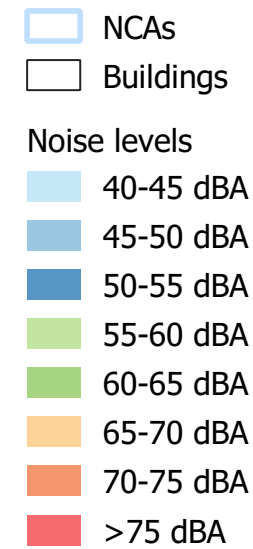
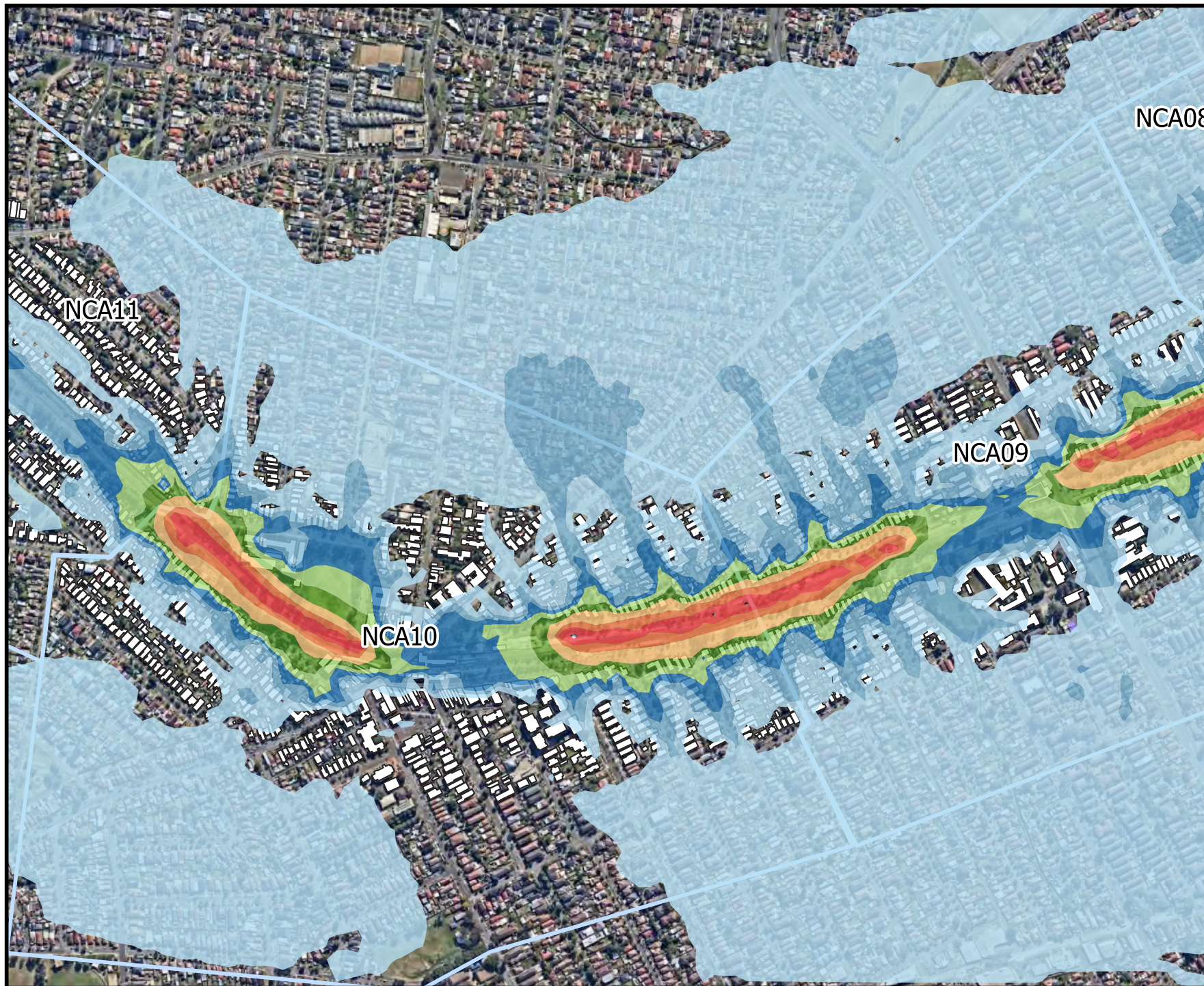
- 40-45 dBA
- 45-50 dBA
- 50-55 dBA
- 55-60 dBA
- 60-65 dBA
- 65-70 dBA
- 70-75 dBA
- >75 dBA

Scenario B_10

Site compound

Southwest Metro Bankstown
Early Works

Construction Noise &
Vibration Impact Statement

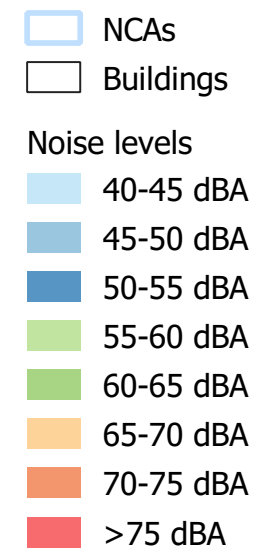
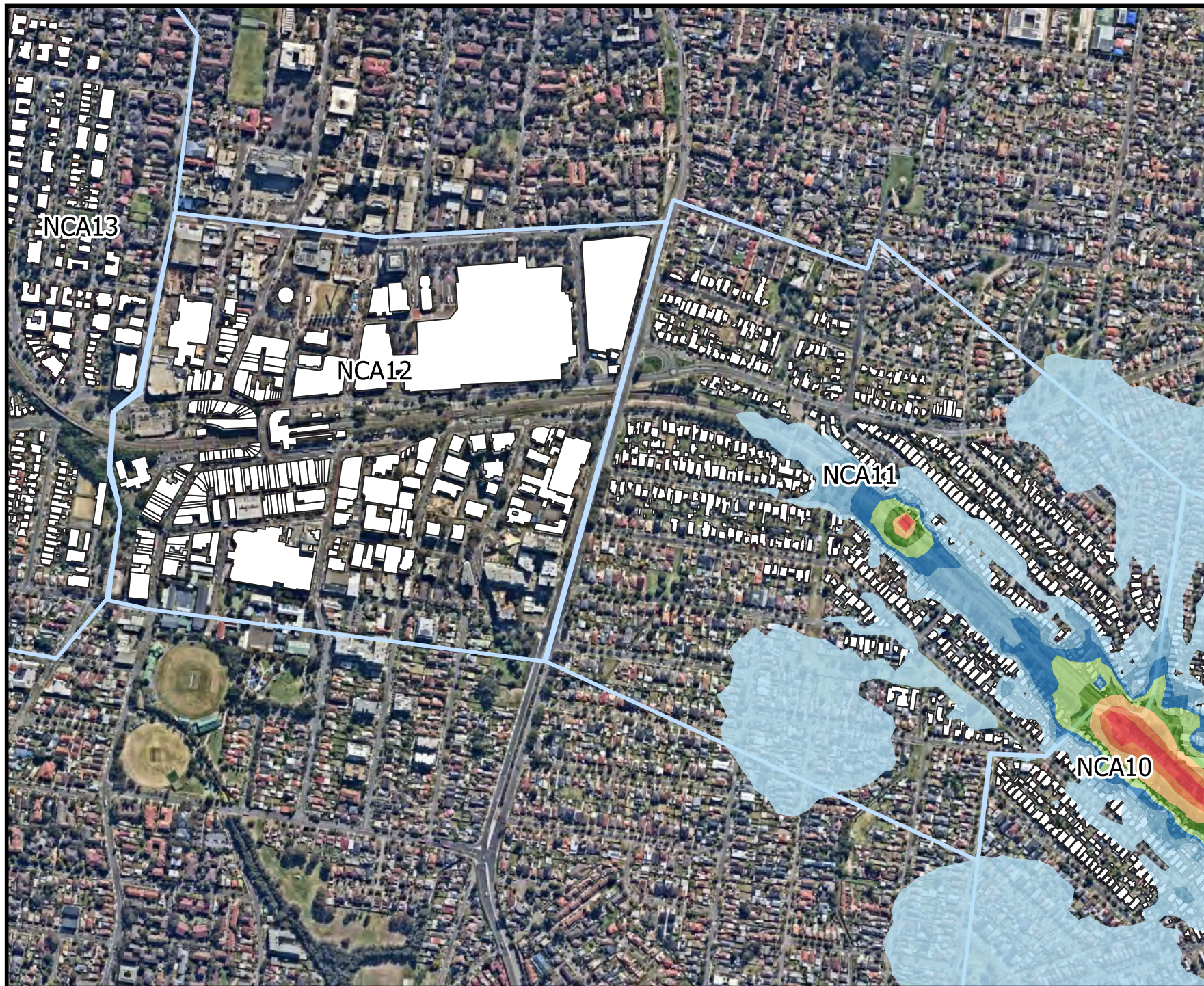


Scenario 4 - NCA 09 and
NCA 10

CSR

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement

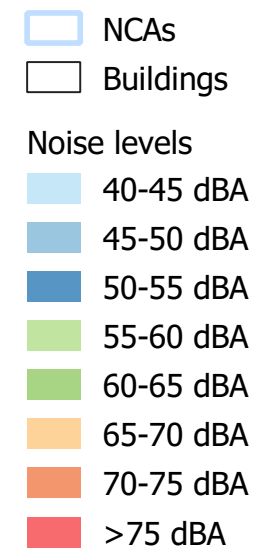
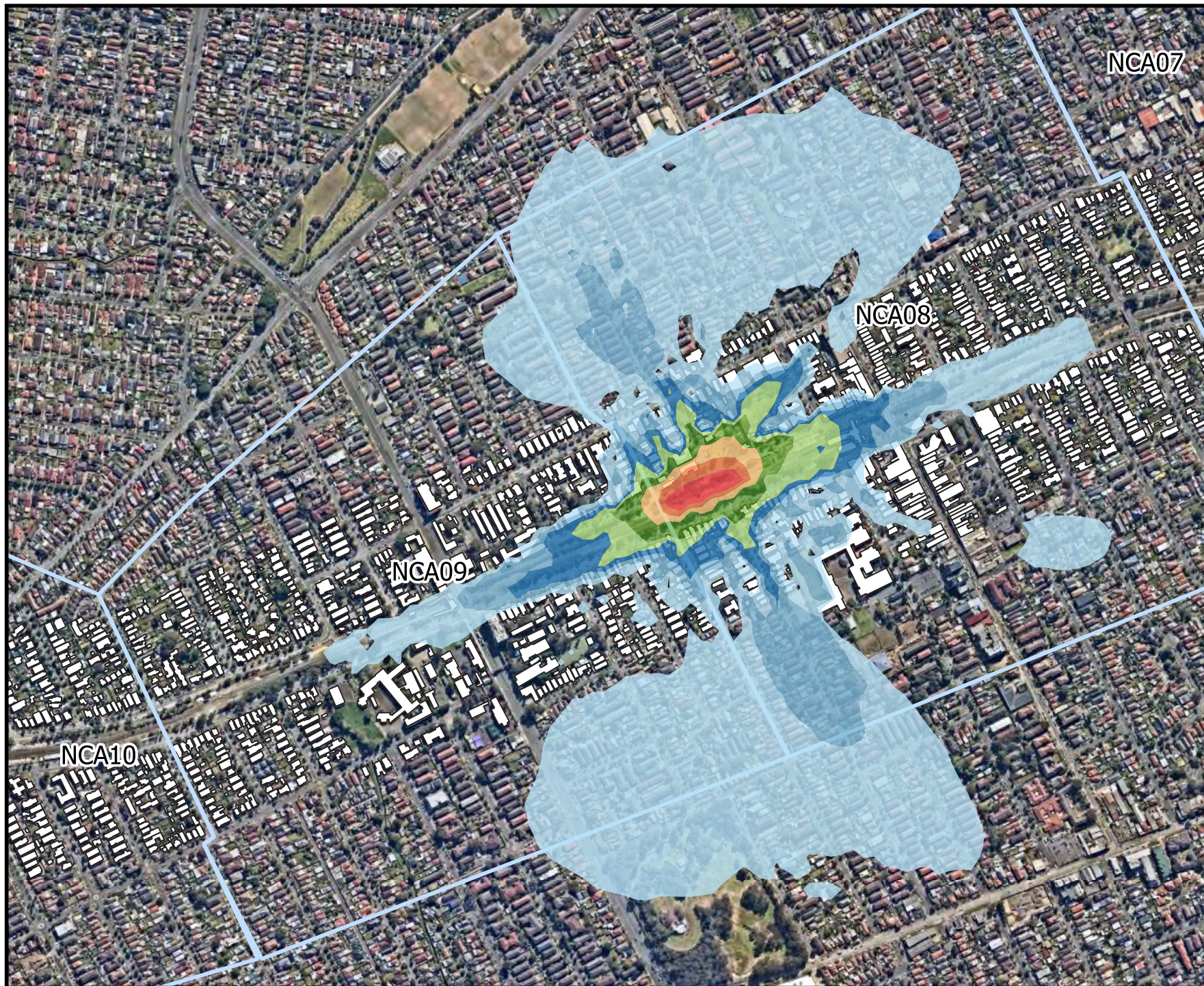


Scenario 4 - NCA 11 and
NCA 12

CSR

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement

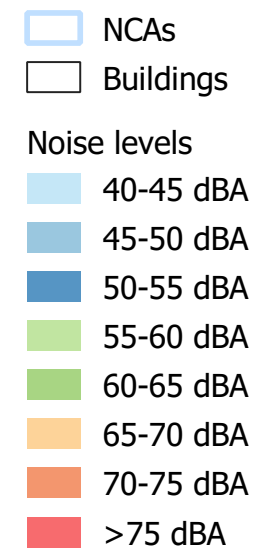
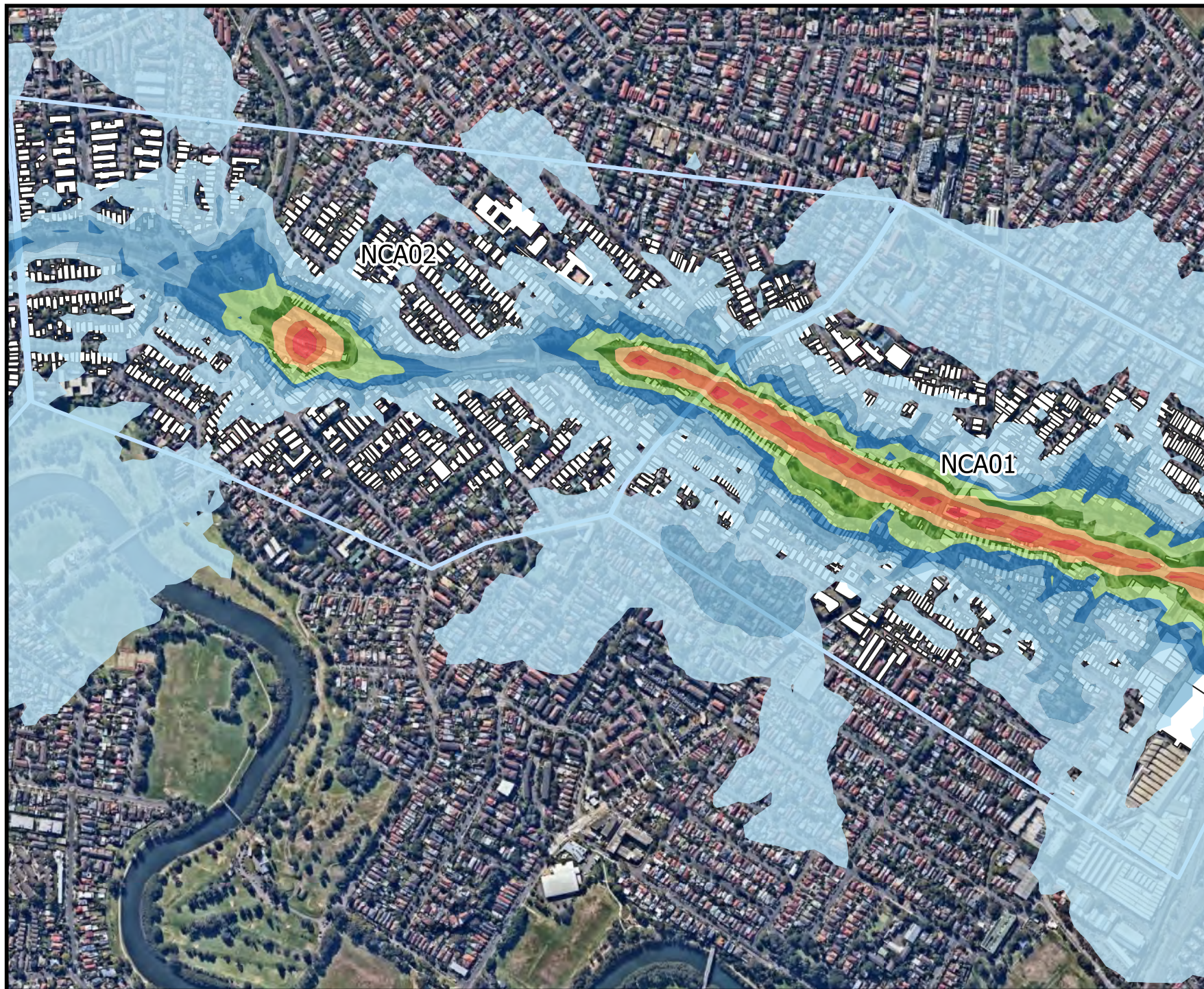


Scenario 5

Retaining walls

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement

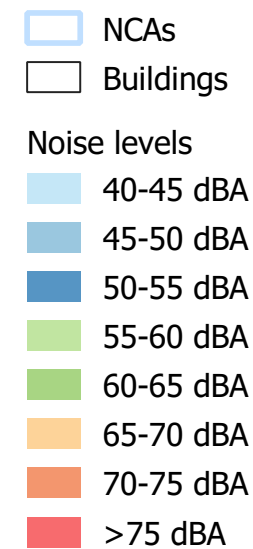


Scenario 6 - NCA 01 and
NCA 02

Overhead wire works

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement

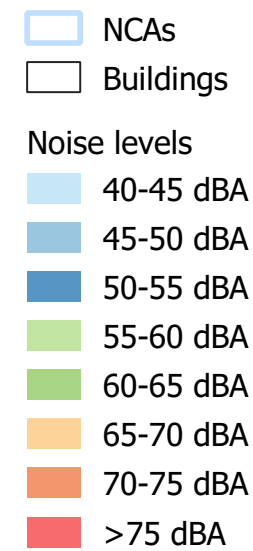
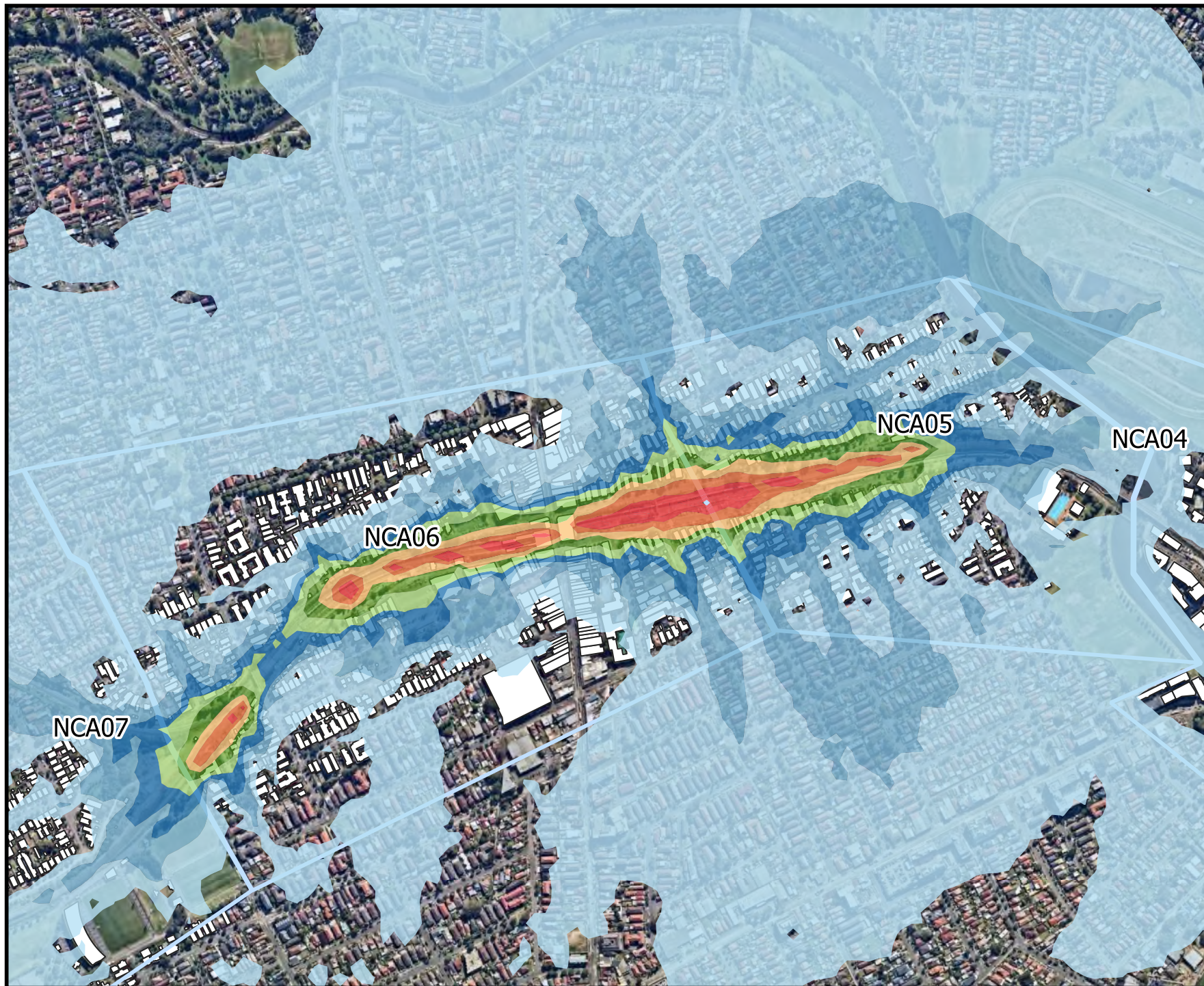


Scenario 6 - NCA 03 and
NCA 04

Overhead wire works

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement

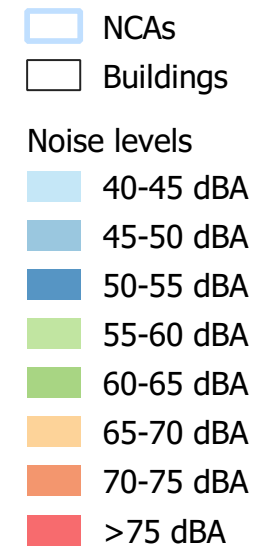
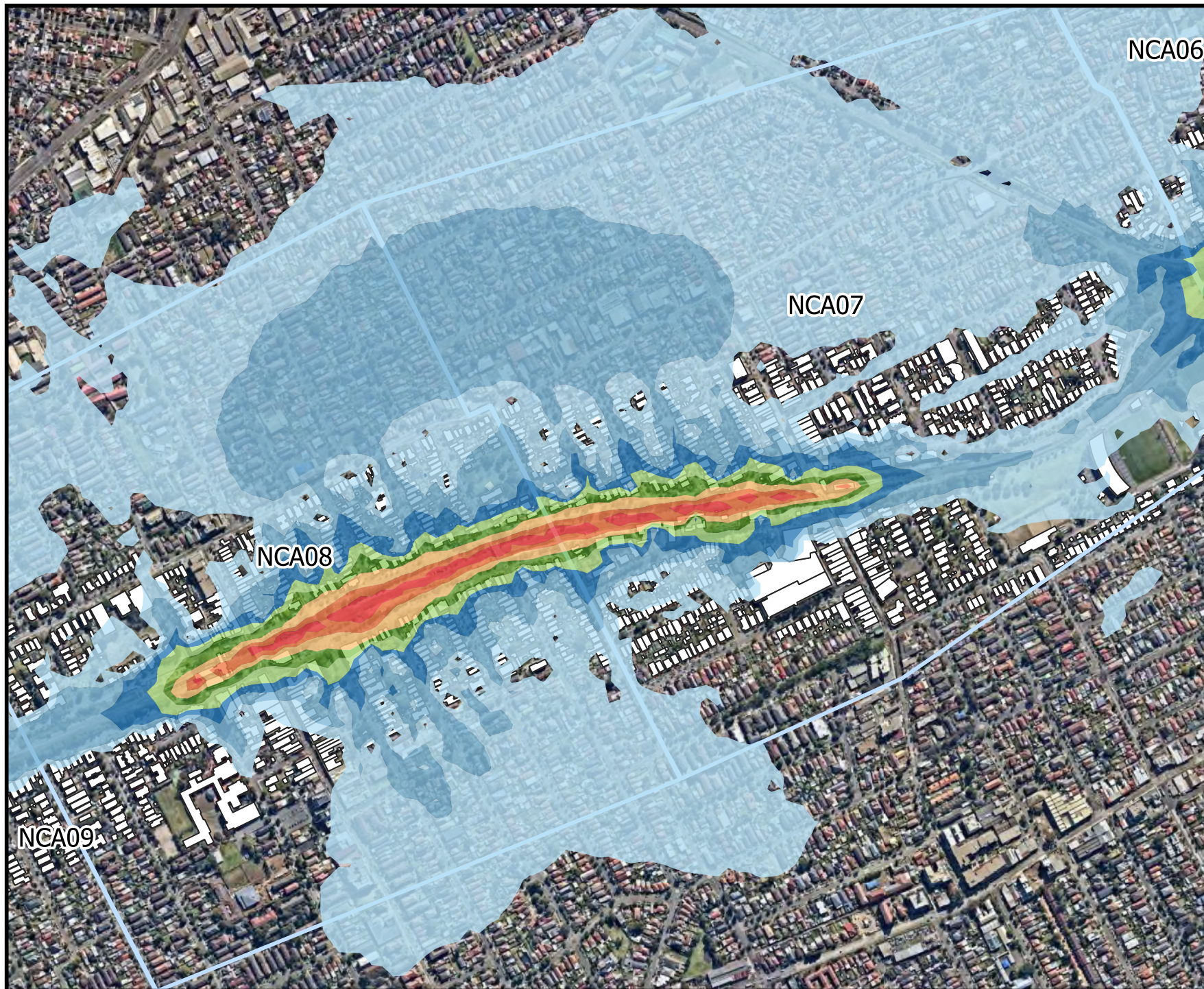


Scenario 6 - NCA 05 and
NCA 06

Overhead wire works

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement

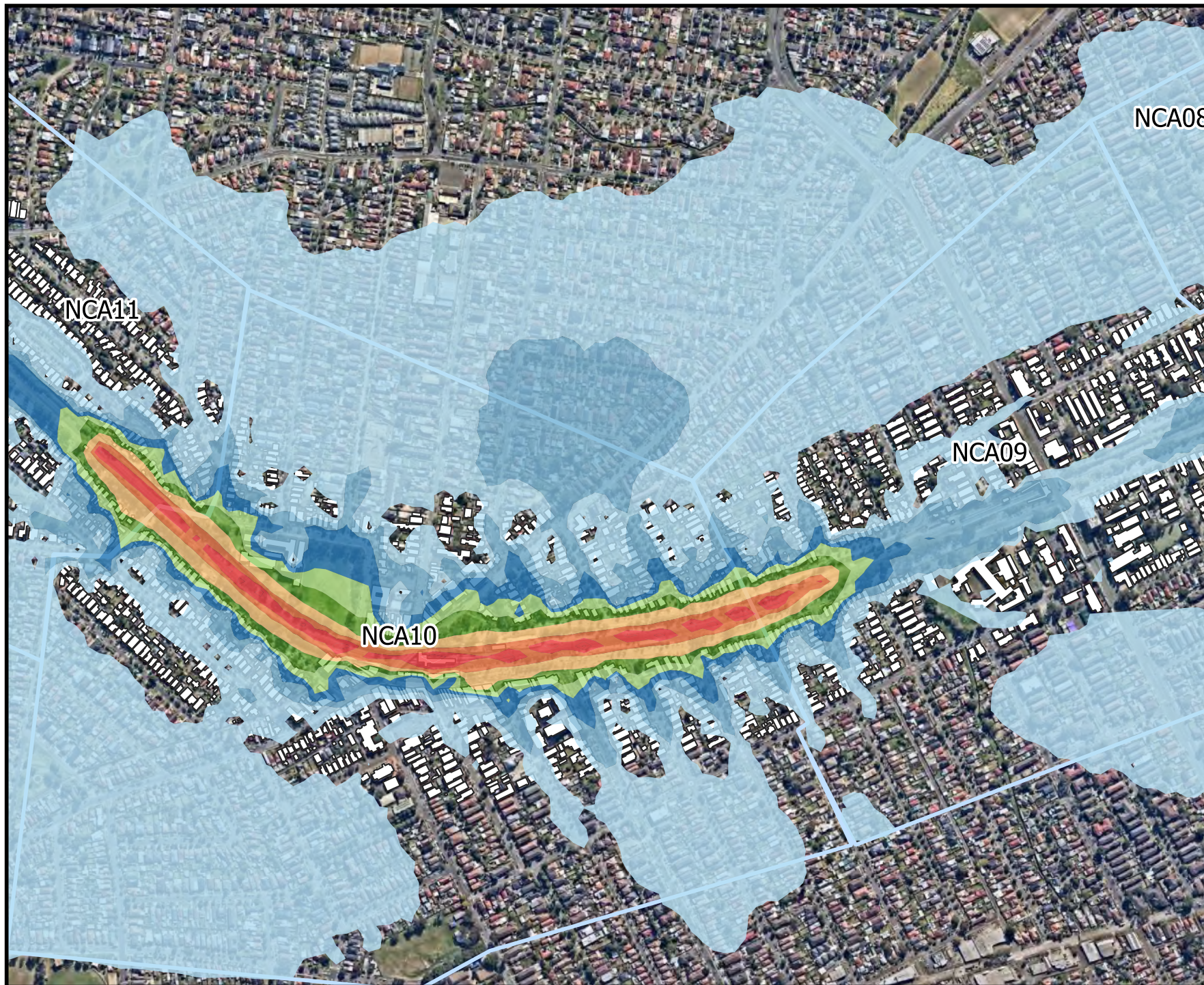


Scenario 6 - NCA 07 and
NCA 08

Overhead wire works

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement



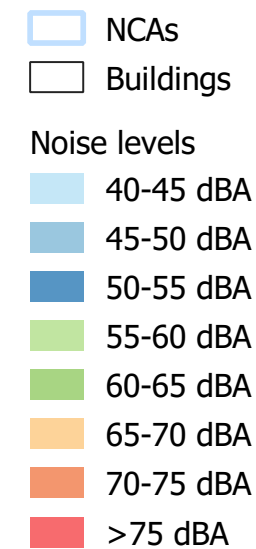
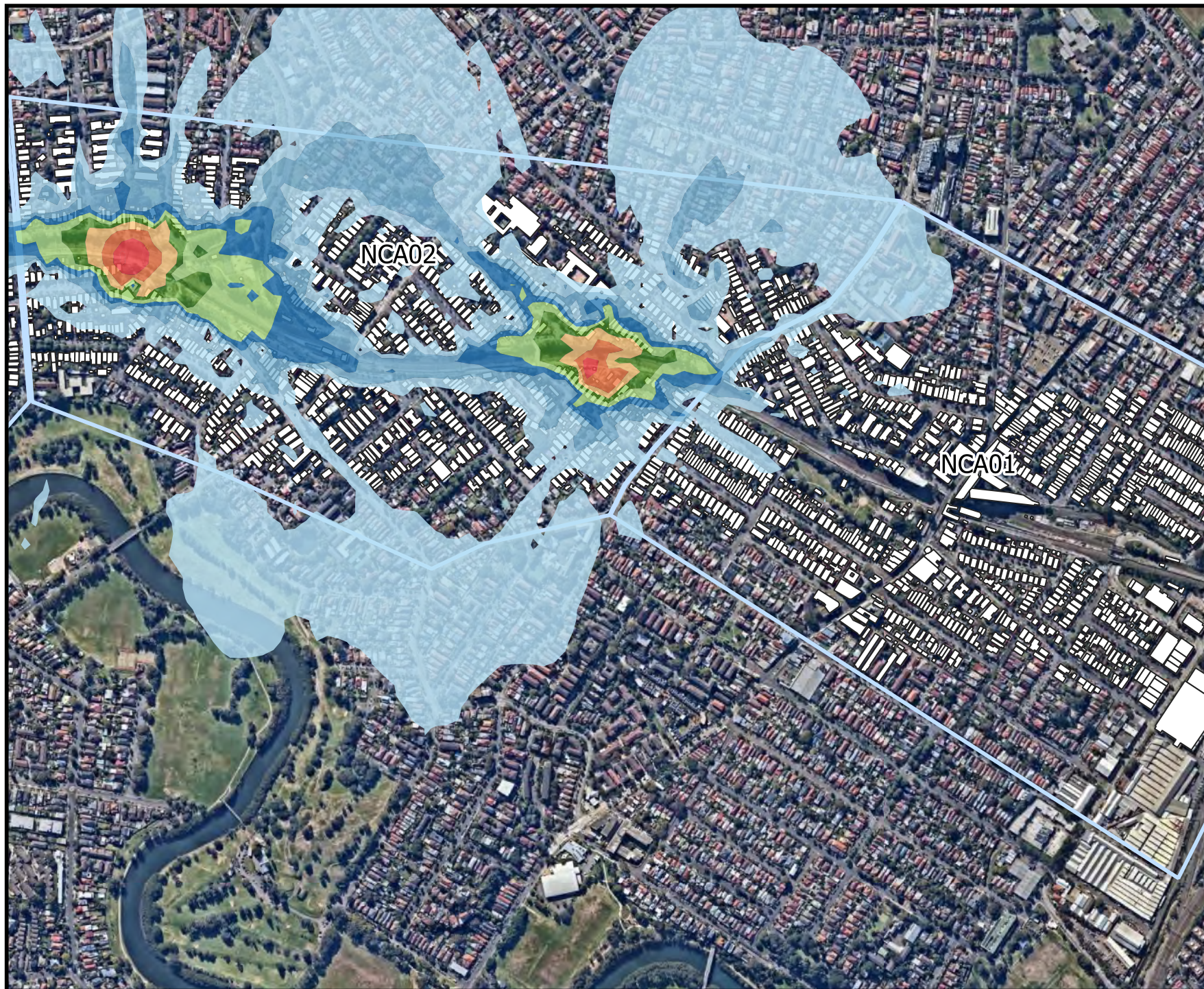
- NCA08
 - NCA09
 - NCA10
 - NCA11
- Noise levels
- 40-45 dBA
 - 45-50 dBA
 - 50-55 dBA
 - 55-60 dBA
 - 60-65 dBA
 - 65-70 dBA
 - 70-75 dBA
 - >75 dBA

Scenario 6 - NCA 09 and NCA 10

Overhead wire works

Southwest Metro Corridor Works

Construction Noise & Vibration Impact Statement



Scenario 7 - NCA 01 and
NCA 02

Civil works

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement



- NCA05
- NCA04
- NCA03

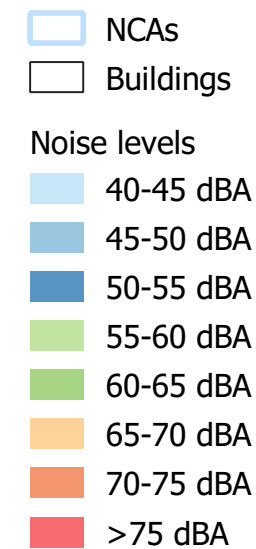
- Noise levels
- 40-45 dBA
 - 45-50 dBA
 - 50-55 dBA
 - 55-60 dBA
 - 60-65 dBA
 - 65-70 dBA
 - 70-75 dBA
 - >75 dBA

Scenario 7 - NCA 03 and
NCA 04

Civil works

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement

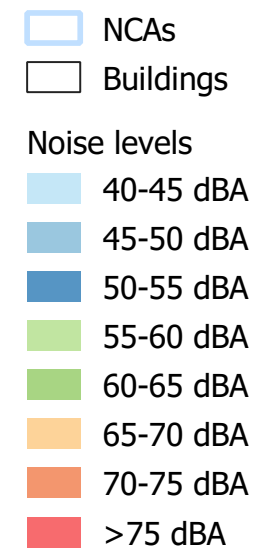
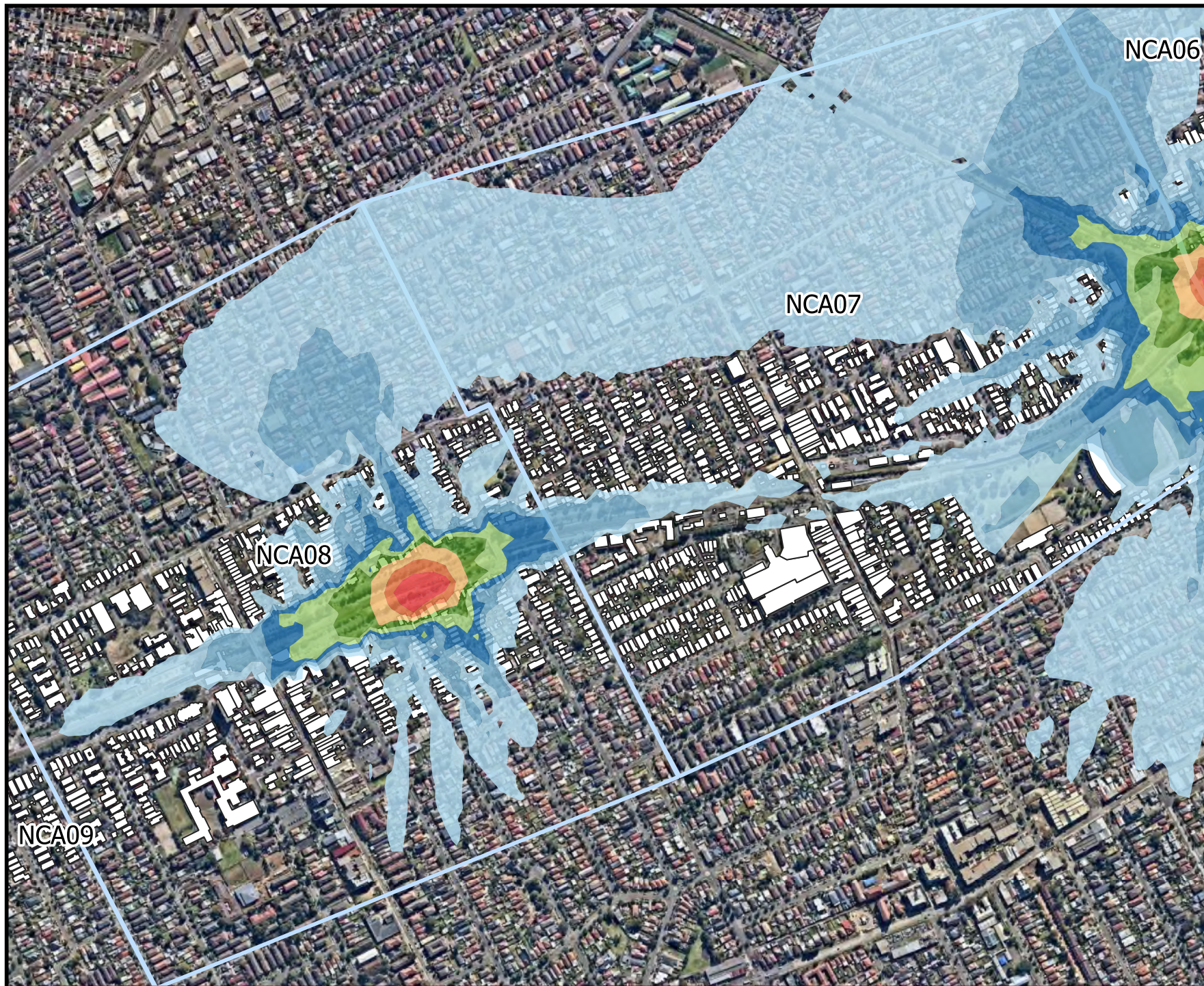


Scenario 7 - NCA 05 and
NCA 06

Civil works

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement

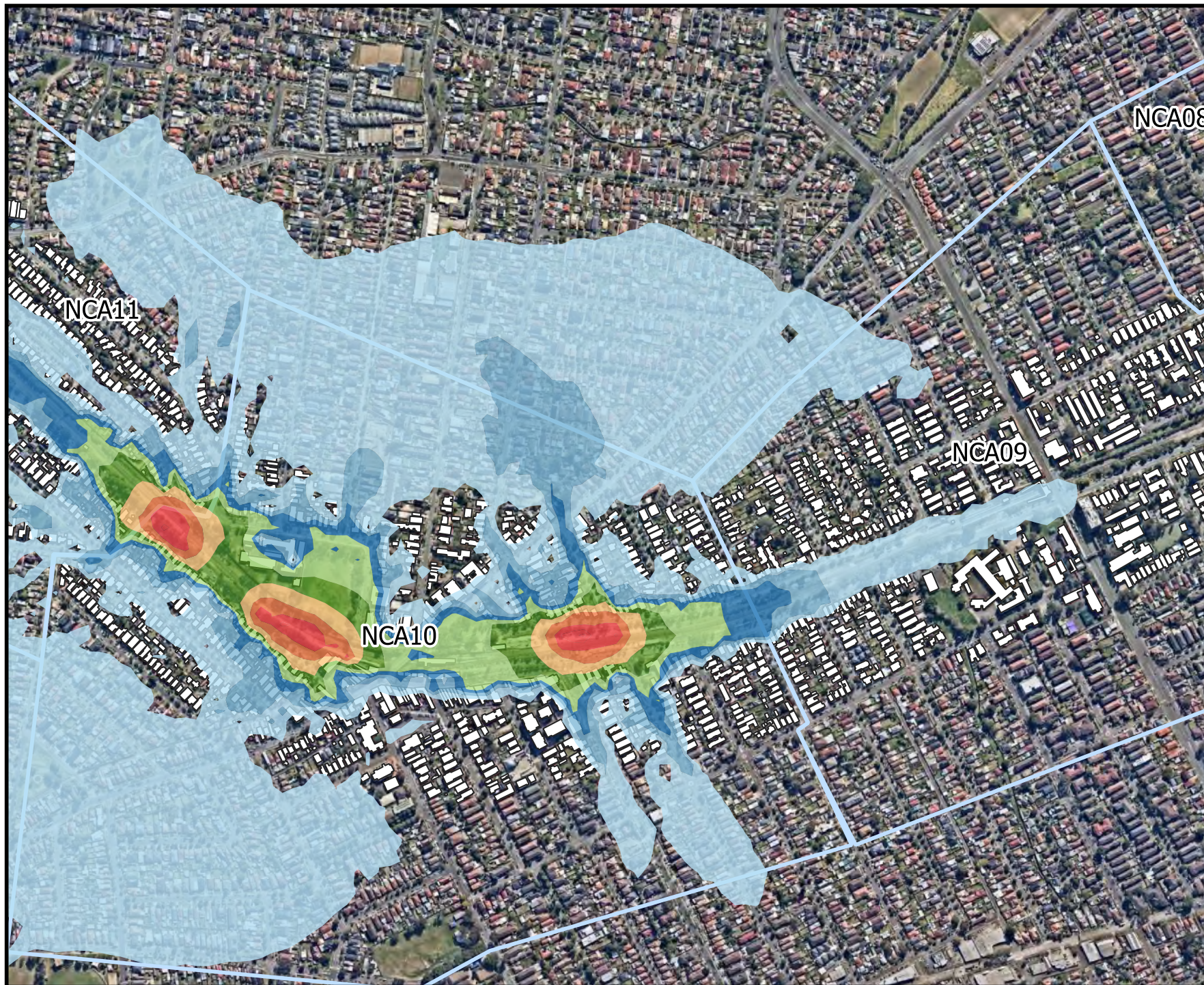


Scenario 7 - NCA 07 and
NCA 08

Civil works

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement



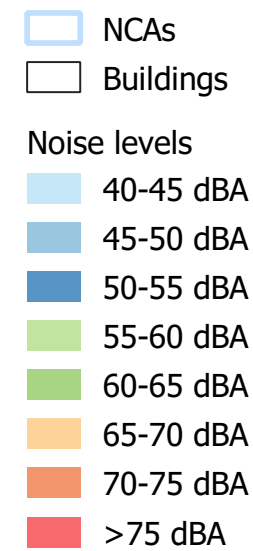
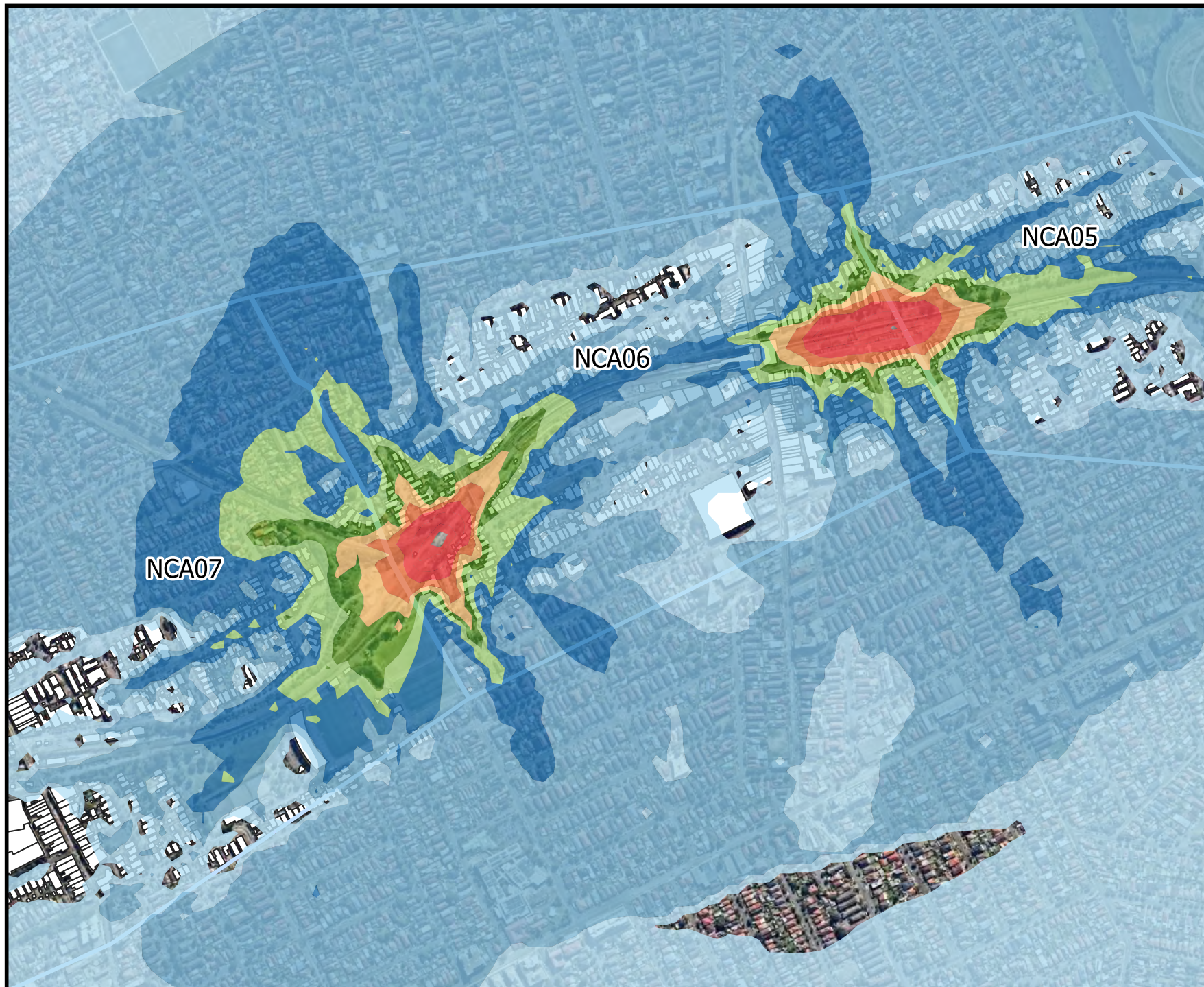
- NCA08
 - NCA09
 - NCA10
 - NCA11
- Noise levels
- 40-45 dBA
 - 45-50 dBA
 - 50-55 dBA
 - 55-60 dBA
 - 60-65 dBA
 - 65-70 dBA
 - 70-75 dBA
 - >75 dBA

Scenario 7 - NCA 09 and
NCA 10

Civil works

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement



Scenario 8

Track works

Southwest Metro Corridor
Works

Construction Noise &
Vibration Impact Statement

APPENDIX C

TABLE OF PREDICTED NOISE LEVELS

Rec_ID	Sc01	Sc02	Sc03	Sc04	Sc05	Sc06	Sc07	Sc08
NCA 01_Res_2600	0	72	56	48	0	49	23	0
NCA 03_Res_3710	22	69	55	28	0	47	32	0
NCA 07_Res_5001	0	58	52	52	24	39	40	51
NCA 10_Com_5002	0	0	53	50	31	60	56	0
NCA 01_Res_2586	0	74	53	55	0	56	33	0
NCA 03_Res_3858	30	82	70	44	0	61	48	32
NCA 10_Res_5003	0	0	70	69	26	65	59	0
NCA 08_Res_5004	0	41	55	51	31	51	55	38
NCA 01_Res_2125	0	58	46	31	0	43	33	0
NCA 07_Res_5005	0	44	46	45	27	45	34	38
NCA 02_Res_1607	14	66	48	35	0	46	43	0
NCA 06_Med_4652	11	58	39	32	0	41	33	45
NCA 03_Res_1748	21	65	52	27	0	45	33	0
NCA 12_Com_5006	0	0	37	21	0	22	23	0
NCA 10_Res_5007	0	0	43	41	24	46	41	0
NCA 09_Res_5008	0	0	70	66	37	63	46	0
NCA 09_Res_5009	0	0	70	67	55	45	38	0
NCA 06_Res_4467	9	75	52	43	0	54	42	46
NCA 13_Res_5010	0	0	33	14	0	0	0	0
NCA 07_Res_5011	0	43	59	54	36	54	39	39
NCA 08_Res_5012	0	30	43	43	36	41	34	34
NCA 01_Res_2489	0	61	45	42	0	46	23	0
NCA 13_Res_5013	0	0	35	14	0	0	0	0
NCA 10_Res_5014	0	0	49	47	20	46	46	0
NCA 07_Res_5015	0	46	44	44	32	41	37	42
NCA 05_Res_3029	14	66	53	29	0	47	37	48
NCA 08_Res_5016	0	44	70	65	40	64	70	38
NCA 05_Res_4714	13	67	53	32	0	47	39	48
NCA 01_Res_2657	0	57	44	38	0	46	32	0
NCA 13_Res_5017	0	0	34	13	0	0	0	0
NCA 13_Res_5018	0	0	31	11	0	18	0	0
NCA 08_Com_5019	0	0	50	52	57	41	30	0
NCA 10_Res_5020	0	0	66	65	17	63	69	0
NCA 07_Res_5021	0	56	45	41	0	37	38	47
NCA 08_Res_5022	0	43	48	46	21	45	33	39
NCA 12_Com_5023	0	0	32	19	0	20	21	0
NCA 08_Com_5024	0	38	49	51	30	50	40	37
NCA 09_Res_5025	0	0	62	63	27	48	35	0
NCA 03_Res_1490	34	64	55	52	0	40	45	37
NCA 02_Res_3667	19	61	48	34	0	41	44	0
NCA 01_Res_4927	0	45	38	26	0	40	18	0
NCA 10_Res_5026	0	0	45	41	0	42	42	0
NCA 02_Res_2061	14	70	55	40	0	39	49	0
NCA 01_Res_2428	0	48	36	28	0	40	26	0
NCA 02_Res_3489	0	58	47	33	0	40	40	0
NCA 06_Com_2100	13	57	44	34	0	47	37	52
NCA 02_Com_2752	5	65	44	29	0	56	36	0
NCA 07_Res_5027	0	47	49	48	27	46	37	38
NCA 08_Res_5028	0	25	45	42	38	41	33	29
NCA 03_Res_3028	16	54	41	24	0	35	31	0
NCA 08_Res_5029	0	45	51	44	32	45	41	39
NCA 13_Res_5030	0	0	32	0	0	0	0	0

NCA 12_Com_5031	0	0	22	10	0	12	12	0
NCA 03_Res_1786	16	59	45	29	0	40	36	0
NCA 12_Com_5032	0	0	50	26	0	27	28	0
NCA 05_Res_4710	15	85	71	46	0	63	54	58
NCA 08_Com_5033	0	39	50	51	32	50	41	37
NCA 04_Res_4378	24	79	62	32	0	43	38	46
NCA 04_Res_1755	24	61	50	43	0	42	49	33
NCA 02_Res_2119	0	79	68	39	0	39	39	0
NCA 06_Res_4494	11	63	52	46	0	47	41	51
NCA 10_Res_5034	0	0	46	45	30	44	49	0
NCA 03_Res_1485	24	57	45	31	0	38	37	0
NCA 03_Med_4778	15	59	40	23	0	41	31	0
NCA 07_Res_5035	0	42	47	46	33	45	35	38
NCA 08_Res_5036	0	38	55	54	32	52	51	36
NCA 11_Res_5037	0	0	53	51	0	50	51	0
NCA 08_Res_5038	0	0	54	56	58	57	41	0
NCA 01_Res_4914	0	92	83	42	0	70	45	0
NCA 01_Res_2394	0	48	37	27	0	39	27	0
NCA 04_Res_2085	24	53	37	22	0	29	27	32
NCA 10_Res_5039	0	0	42	41	30	40	40	0
NCA 13_Res_5040	0	0	33	7	0	0	0	0
NCA 09_Res_5041	0	0	41	39	29	35	35	0
NCA 07_Com_5042	0	40	42	41	30	41	38	36
NCA 13_Res_5043	0	0	37	16	0	27	0	0
NCA 01_Res_2138	0	61	54	47	0	55	16	0
NCA 02_Res_2680	0	74	71	56	0	54	67	0
NCA 08_Res_5044	0	26	47	43	24	45	50	28
NCA 03_Res_1995	12	61	45	31	0	43	36	0
NCA 05_Res_4579	13	60	47	40	0	44	42	49
NCA 11_Res_5045	0	0	54	37	0	37	36	0
NCA 09_Res_5046	0	0	70	66	59	46	37	0
NCA 03_Res_5091	10	82	53	30	0	59	40	0
NCA 13_Res_5047	0	0	25	0	0	0	0	0
NCA 01_Res_2557	0	83	53	43	0	68	27	0
NCA 07_Res_5048	0	44	40	39	24	38	31	40
NCA 08_Res_5049	0	42	71	66	41	67	71	38
NCA 01_Res_2337	0	85	79	36	0	67	40	0
NCA 08_Res_5050	0	35	49	48	30	52	49	35
NCA 10_CCC_5051	0	0	40	37	15	60	40	0
NCA 06_Res_5124	0	57	48	45	0	42	42	54
NCA 12_Com_5052	0	0	34	24	0	24	24	0
NCA 09_Res_5053	0	0	65	66	29	49	33	0
NCA 01_Res_2155	0	94	84	35	0	70	38	0
NCA 03_Com_4990	17	77	62	30	0	55	36	0
NCA 01_Res_2122	0	60	47	33	0	45	36	0
NCA 11_Res_5054	0	0	49	40	0	42	42	0
NCA 05_Res_4512	16	83	69	43	0	61	51	56
NCA 08_Res_5055	0	0	56	51	56	36	28	0
NCA 10_Res_5056	0	0	60	60	16	57	61	0
NCA 08_Res_5057	0	46	55	49	36	49	44	40
NCA 01_Res_2216	0	48	38	28	0	42	21	0
NCA 07_Com_5058	0	35	37	36	13	42	25	35
NCA 01_Res_2245	0	76	66	51	0	55	22	0

NCA 08_Res_5059	0	47	48	45	21	44	34	41
NCA 01_Res_2522	0	56	46	34	0	47	23	0
NCA 02_Res_1549	11	63	49	39	0	34	41	0
NCA 03_Res_4708	21	64	50	27	0	44	30	0
NCA 08_Res_5060	0	0	68	58	62	48	33	0
NCA 06_Res_1409	9	79	63	37	0	56	37	47
NCA 13_Com_5061	0	0	33	21	0	21	23	0
NCA 10_Res_5062	0	0	44	41	32	45	42	0
NCA 02_Res_1628	22	62	44	31	0	42	40	0
NCA 04_Res_3805	30	64	44	26	0	38	33	41
NCA 03_Res_2938	23	58	47	33	0	39	38	38
NCA 10_Com_5063	0	0	52	49	22	55	51	0
NCA 06_Res_3779	6	67	58	56	0	44	48	59
NCA 13_Res_5064	0	0	33	14	0	0	0	0
NCA 03_Res_2007	28	75	63	33	0	51	38	0
NCA 08_Res_5066	0	40	69	67	46	65	58	38
NCA 01_Res_2814	0	46	35	24	0	40	26	0
NCA 03_Res_3019	11	73	70	33	0	54	45	0
NCA 06_Com_1093	25	54	38	30	0	37	31	42
NCA 07_Res_5067	0	48	55	54	25	38	38	46
NCA 13_Res_5068	0	0	33	11	0	0	0	0
NCA 03_Res_2078	20	63	51	28	0	43	32	0
NCA 08_Res_5069	0	33	47	50	34	48	34	35
NCA 09_Res_5070	0	0	35	33	29	27	23	0
NCA 06_Res_5090	7	67	55	49	0	46	36	43
NCA 02_Res_4442	0	66	51	34	0	42	41	0
NCA 12_Com_5071	0	0	35	31	0	33	33	0
NCA 02_Res_1333	6	61	48	37	0	40	44	0
NCA 11_Res_5072	0	0	49	37	0	38	38	0
NCA 01_Res_3591	0	45	40	27	0	48	18	0
NCA 02_Res_3365	12	57	44	26	0	34	34	0
NCA 11_Com_5073	0	0	71	38	0	35	34	0
NCA 01_Res_4444	0	67	50	33	0	50	31	0
NCA 01_Res_2884	0	56	39	22	0	39	23	0
NCA 05_Res_4105	16	87	74	39	0	54	47	53
NCA 13_Res_5074	0	0	21	7	0	13	14	0
NCA 10_Res_5075	0	0	47	45	30	44	37	0
NCA 07_Res_5076	0	43	53	52	32	51	40	39
NCA 02_Res_1260	13	73	61	37	0	45	44	0
NCA 10_Res_5077	0	0	42	40	25	50	46	0
NCA 01_Res_2965	0	58	47	29	0	42	35	0
NCA 02_Res_3749	20	60	44	30	0	42	34	0
NCA 13_Res_5078	0	0	31	0	0	0	0	0
NCA 09_Res_5079	0	0	55	54	41	34	24	0
NCA 10_Res_5080	0	0	42	42	30	47	49	0
NCA 13_Res_5081	0	0	34	15	0	25	0	0
NCA 06_Res_1884	17	68	59	58	0	43	45	53
NCA 02_Res_1360	0	63	53	34	0	42	43	0
NCA 01_Res_2677	0	57	48	35	0	41	42	0
NCA 08_Res_5082	0	0	57	54	56	56	34	0
NCA 02_Res_3516	18	57	43	35	0	40	43	0
NCA 06_Res_4634	15	87	75	61	0	64	56	54
NCA 10_Com_5083	0	0	49	47	22	51	45	0

NCA 11_Res_5084	0	0	57	33	0	46	36	0
NCA 02_Res_4604	16	58	45	36	0	35	44	0
NCA 09_Res_5085	0	0	46	46	31	41	38	0
NCA 02_Com_1581	7	62	44	31	0	53	38	0
NCA 02_Res_2978	0	60	48	34	0	39	41	0
NCA 12_Com_5086	0	0	35	22	0	22	23	0
NCA 09_Res_5087	0	0	50	50	26	41	33	0
NCA 04_Res_1735	37	77	45	26	0	38	33	41
NCA 02_Res_1246	0	75	62	37	0	40	42	0
NCA 09_Res_5088	0	0	49	47	27	38	35	0
NCA 05_Res_4428	23	68	54	31	0	39	32	40
NCA 02_Res_2890	0	55	42	31	0	40	38	0
NCA 05_Res_2006	13	63	50	37	0	48	42	52
NCA 09_Res_5089	0	0	44	43	37	43	38	0
NCA 13_Res_5090	0	0	30	4	0	20	0	0
NCA 11_Com_5091	0	0	46	37	0	38	39	0
NCA 02_Res_1475	20	58	43	29	0	35	35	0
NCA 11_Res_5092	0	0	54	34	0	35	36	0
NCA 08_Res_5093	0	41	49	48	29	50	47	38
NCA 05_Res_3374	17	72	57	37	0	52	46	51
NCA 01_Res_2908	0	57	40	37	0	43	21	0
NCA 02_Res_2673	0	55	47	40	0	41	49	0
NCA 09_Com_5094	0	0	44	43	26	27	23	0
NCA 06_Com_4550	10	55	37	28	0	41	30	45
NCA 02_Res_2678	0	60	49	36	0	42	48	0
NCA 10_Res_5095	0	0	53	52	33	50	38	0
NCA 02_Res_2606	0	55	45	33	0	36	44	0
NCA 02_Res_4679	13	63	48	37	0	45	44	0
NCA 04_Res_1568	26	67	59	54	0	48	60	36
NCA 09_Res_5096	0	0	46	45	29	43	36	0
NCA 08_Res_5097	0	0	71	70	72	47	39	0
NCA 10_Com_5098	0	0	50	50	32	52	57	0
NCA 07_Res_5099	0	44	40	38	31	38	35	38
NCA 07_Res_7029	0	42	50	49	34	48	40	38
NCA 07_Com_5100	0	39	36	34	16	33	28	37
NCA 02_Res_2248	0	58	49	41	0	43	51	0
NCA 02_Res_2189	13	72	59	34	0	43	41	0
NCA 13_Res_5101	0	0	30	12	0	0	0	0
NCA 10_Res_5102	0	0	71	70	35	66	55	0
NCA 03_Res_1433	24	74	62	31	0	54	36	28
NCA 01_Res_4881	0	56	45	22	0	41	26	0
NCA 01_Res_2897	0	48	49	29	0	49	19	0
NCA 08_Res_5103	0	0	50	47	52	35	31	0
NCA 06_Com_4537	10	54	37	32	0	37	29	41
NCA 10_Res_5104	0	0	58	56	29	54	40	0
NCA 12_Com_5105	0	0	40	20	0	21	22	0
NCA 01_Res_2333	0	65	48	40	0	48	23	0
NCA 06_Com_4532	7	68	45	39	0	51	38	52
NCA 02_Res_3120	0	78	64	37	0	40	42	0
NCA 01_Res_2275	0	58	44	37	0	46	26	0
NCA 01_Com_2229	0	65	38	26	0	48	22	0
NCA 06_Res_4408	15	64	52	38	0	53	47	59
NCA 01_Res_2285	0	52	39	27	0	38	30	0

NCA 01_Res_2485	0	62	42	32	0	45	35	0
NCA 10_Res_5106	0	0	70	66	19	65	63	0
NCA 08_Res_5107	0	0	56	57	61	37	27	0
NCA 11_Res_5108	0	0	46	37	0	39	40	0
NCA 06_Res_1320	10	81	65	56	0	67	58	73
NCA 02_Res_4556	5	66	50	29	0	47	32	0
NCA 13_Res_5109	0	0	34	22	0	23	25	0
NCA 01_Res_2831	0	60	47	31	0	44	33	0
NCA 04_Res_2001	38	77	66	46	0	41	46	39
NCA 11_Res_5110	0	0	60	33	0	35	35	0
NCA 06_Res_4524	17	63	51	30	0	53	47	57
NCA 06_Res_4693	0	63	53	50	0	43	40	50
NCA 02_Res_2454	0	79	68	47	0	60	53	0
NCA 08_Res_5111	0	0	69	60	64	48	38	0
NCA 01_Res_2560	0	63	50	35	0	47	40	0
NCA 09_Res_5112	0	0	37	36	22	34	32	0
NCA 06_Res_1771	7	53	42	38	0	38	32	43
NCA 02_Res_2561	0	68	58	33	0	37	36	0
NCA 01_Com_5096	0	59	43	37	0	44	25	0
NCA 11_Res_5113	0	0	50	42	0	44	44	0
NCA 02_Res_2449	0	54	46	36	0	38	51	0
NCA 02_Res_1702	14	78	60	49	0	61	55	0
NCA 07_Res_5114	0	43	56	55	36	53	35	37
NCA 12_Com_5115	0	0	37	30	0	30	31	0
NCA 13_Res_5116	0	0	33	13	0	0	0	0
NCA 13_Res_5117	0	0	30	12	0	0	0	0
NCA 02_Res_1574	17	76	70	44	0	49	58	0
NCA 03_Res_3239	25	84	57	34	0	64	38	0
NCA 11_Res_5118	0	0	45	28	0	30	30	0
NCA 02_Res_1561	0	55	46	34	0	37	44	0
NCA 08_Res_5119	0	42	70	69	42	66	69	39
NCA 08_Res_5120	0	28	39	38	26	41	37	31
NCA 01_Res_4434	0	61	48	28	0	45	29	0
NCA 13_Res_5121	0	0	36	16	0	25	0	0
NCA 11_Res_5122	0	0	52	40	0	38	38	0
NCA 11_Res_5123	0	0	45	35	0	38	37	0
NCA 02_Res_3330	16	77	70	46	0	50	58	0
NCA 03_Res_2057	28	81	77	39	0	64	43	0
NCA 09_Res_5124	0	0	49	49	29	43	31	0
NCA 04_Res_3324	29	58	49	34	0	33	37	33
NCA 11_Res_5125	0	0	60	36	0	37	37	0
NCA 03_Res_1255	16	68	57	39	0	44	48	0
NCA 09_Res_5126	0	0	57	57	38	39	35	0
NCA 11_Res_5127	0	0	67	34	0	35	33	0
NCA 07_Res_7015	0	39	50	48	24	47	32	37
NCA 08_Res_5128	0	45	63	58	38	57	44	37
NCA 02_Res_2849	0	59	50	42	0	44	50	0
NCA 02_Res_1352	0	62	50	35	0	38	36	0
NCA 08_Res_5129	0	36	57	57	31	59	44	36
NCA 02_Res_1245	12	67	56	31	0	54	37	0
NCA 10_Res_5130	0	0	69	66	34	65	59	0
NCA 07_Res_5131	0	43	50	49	34	48	40	39
NCA 09_Res_5132	0	0	45	43	27	42	29	0

NCA 08_Res_5133	0	37	47	47	34	46	39	37
NCA 05_Res_3339	15	63	51	36	0	48	43	51
NCA 10_Res_5134	0	0	54	51	22	51	53	0
NCA 03_Res_3313	29	61	50	38	0	41	42	37
NCA 07_Com_5371	0	51	45	43	32	44	38	44
NCA 10_Com_5135	0	0	46	44	28	42	31	0
NCA 11_Res_5136	0	0	52	42	0	39	39	0
NCA 02_Res_2011	10	72	59	55	0	38	62	0
NCA 09_Res_5137	0	0	48	46	27	45	40	0
NCA 04_Caf_4315	60	91	83	33	0	37	35	38
NCA 09_Res_5138	0	0	69	67	34	56	37	0
NCA 13_Res_5139	0	0	27	4	0	20	0	0
NCA 04_Res_3752	58	80	69	41	0	32	46	35
NCA 03_Res_1491	19	66	52	25	0	45	30	0
NCA 06_Com_4522	10	61	45	31	0	46	39	49
NCA 09_Res_5140	0	0	43	41	33	40	32	0
NCA 01_Res_2322	0	62	43	34	0	44	33	0
NCA 01_Res_2569	0	59	45	40	0	46	29	0
NCA 02_Res_1747	2	60	48	37	0	46	43	0
NCA 09_Res_5141	0	0	48	48	24	42	36	0
NCA 03_Res_2723	11	56	43	24	0	38	34	0
NCA 11_Res_5142	0	0	49	35	0	37	37	0
NCA 08_Com_8136	0	20	45	44	44	43	32	28
NCA 03_Res_1400	19	73	58	29	0	47	34	26
NCA 13_Res_5143	0	0	37	15	0	25	0	0
NCA 01_Res_2420	0	45	34	25	0	45	22	0
NCA 01_Res_2463	0	77	62	63	0	58	27	0
NCA 01_Res_2300	0	76	60	33	0	58	39	0
NCA 01_Res_4463	0	67	51	40	0	51	23	0
NCA 10_Res_5144	0	0	41	36	29	38	37	0
NCA 03_Res_1472	24	64	48	29	0	41	32	0
NCA 02_Res_1359	0	70	59	36	0	42	38	0
NCA 03_Res_4312	28	64	51	36	0	41	36	0
NCA 06_Com_4639	15	84	55	42	0	67	47	55
NCA 06_Com_1164	6	67	43	32	0	51	32	50
NCA 09_Res_5145	0	0	66	63	49	44	37	0
NCA 01_Res_4436	0	61	52	40	0	45	47	0
NCA 02_Res_1763	15	67	49	36	0	42	46	0
NCA 10_Res_5146	0	0	47	42	0	44	45	0
NCA 10_Res_5147	0	0	41	38	0	38	39	0
NCA 10_Res_5148	0	0	39	38	30	47	38	0
NCA 03_Res_3083	17	76	62	30	0	51	35	28
NCA 07_Res_5149	0	63	58	57	29	48	56	61
NCA 04_Res_1479	56	83	73	46	0	35	48	32
NCA 06_Caf_6053	11	58	43	34	0	42	34	46
NCA 02_Res_3124	12	72	66	44	0	47	56	0
NCA 12_Com_5150	0	0	24	12	0	13	14	0
NCA 02_Res_2933	-7	54	42	29	0	39	33	0
NCA 01_Res_4292	0	53	40	29	0	35	33	0
NCA 09_Res_5151	0	0	63	51	39	38	31	0
NCA 03_Res_3494	20	55	42	31	0	35	36	33
NCA 10_Res_5152	0	0	48	46	24	44	41	0
NCA 01_Res_4886	0	54	41	22	0	38	26	0

NCA 13_Res_5153	0	0	30	14	0	0	0	0
NCA 06_Res_4506	-5	52	42	38	0	37	35	45
NCA 03_Res_3368	15	57	43	26	0	40	34	0
NCA 02_Com_4614	1	62	48	29	0	44	36	0
NCA 02_Res_3042	10	67	54	48	0	34	47	0
NCA 03_Res_3504	16	60	46	33	0	43	37	0
NCA 10_Res_5154	0	0	40	38	23	45	40	0
NCA 10_Com_5155	0	0	53	50	31	56	54	0
NCA 08_CCC_5156	0	0	45	45	46	39	33	0
NCA 10_Res_5157	0	0	42	38	27	40	39	0
NCA 06_Res_4780	16	67	54	34	0	56	44	61
NCA 02_Res_2959	0	58	47	37	0	43	46	0
NCA 01_Res_2500	0	49	38	31	0	40	24	0
NCA 13_Res_5158	0	0	35	15	0	0	0	0
NCA 12_Com_5159	0	0	22	9	0	10	11	0
NCA 07_Com_5160	0	36	37	36	20	38	27	36
NCA 05_Res_4951	12	59	45	29	0	41	33	46
NCA 12_Com_5161	0	0	32	16	0	17	19	0
NCA 03_Res_3412	25	81	61	36	0	62	39	0
NCA 03_Res_4157	21	75	56	30	0	54	35	0
NCA 05_Res_1509	14	83	71	61	0	67	69	67
NCA 02_Res_3788	18	59	46	32	0	35	39	0
NCA 01_Res_6008	0	79	69	54	0	59	28	0
NCA 12_Com_5162	0	0	32	10	0	12	12	0
NCA 03_Res_1805	15	58	41	24	0	39	30	0
NCA 13_Res_5163	0	0	18	-2	0	0	0	0
NCA 03_Res_1725	27	63	51	39	0	44	41	31
NCA 03_Res_2943	20	64	47	27	0	43	33	0
NCA 02_Res_1368	12	63	46	33	0	47	43	0
NCA 11_Res_5164	0	0	70	47	0	52	49	0
NCA 11_Res_5165	0	0	51	40	0	38	37	0
NCA 01_Res_3933	0	48	38	29	0	39	19	0
NCA 07_Res_5166	0	54	56	57	14	36	41	50
NCA 01_Res_2461	0	54	41	29	0	36	35	0
NCA 02_Res_2730	12	64	45	31	0	44	40	0
NCA 10_Res_5167	0	0	40	37	23	38	35	0
NCA 01_Res_2308	0	55	43	38	0	45	28	0
NCA 07_Res_5168	0	43	55	53	14	33	30	40
NCA 11_Res_5169	0	0	76	50	0	44	45	0
NCA 08_Com_5170	0	39	47	47	35	47	41	37
NCA 03_Res_2024	24	62	49	34	0	43	37	0
NCA 05_Res_3015	13	66	52	35	0	48	45	50
NCA 07_Com_5171	0	40	47	46	32	51	31	39
NCA 02_Res_3511	20	80	70	50	0	45	63	0
NCA 05_Res_1247	19	72	57	36	0	51	46	49
NCA 11_Res_5172	0	0	56	37	0	38	38	0
NCA 02_Res_3730	12	67	51	37	0	45	42	0
NCA 01_Res_4819	0	63	62	43	0	65	20	0
NCA 10_Res_5173	0	0	42	41	0	40	37	0
NCA 10_Res_5174	0	0	44	41	22	42	43	0
NCA 07_Com_5175	0	38	43	41	32	42	38	36
NCA 01_Res_2792	0	76	64	52	0	56	24	0
NCA 01_Res_2480	0	58	45	30	0	39	40	0

NCA 11_Res_5176	0	0	46	25	0	24	24	0
NCA 11_Res_5177	0	0	46	39	0	42	41	0
NCA 01_Res_2528	0	63	48	34	0	47	31	0
NCA 02_Com_3331	7	61	49	38	0	49	45	0
NCA 07_Com_5178	0	50	46	45	15	35	38	45
NCA 05_Res_4415	17	67	54	37	0	49	44	48
NCA 01_Res_2667	0	48	43	26	0	42	28	0
NCA 01_Res_4281	0	76	62	30	0	58	36	0
NCA 08_Res_5179	0	0	70	62	64	47	38	0
NCA 09_Res_5180	0	0	70	69	27	65	41	0
NCA 06_Res_1283	19	63	53	47	0	51	47	50
NCA 01_Res_2563	0	45	38	26	0	59	19	0
NCA 08_Res_5181	0	41	47	45	24	47	50	38
NCA 01_Res_2306	0	53	42	23	0	38	30	0
NCA 09_Res_5182	0	0	52	51	50	31	26	0
NCA 11_Res_5183	0	0	45	37	0	38	38	0
NCA 03_Res_1169	26	67	50	34	0	45	38	0
NCA 08_Res_5184	0	18	48	48	49	47	32	30
NCA 05_Res_4253	12	69	57	46	0	57	55	61
NCA 03_Res_1414	13	72	70	36	0	54	50	0
NCA 02_Res_1757	15	54	45	25	0	35	32	0
NCA 07_Res_5185	0	56	52	51	14	40	46	54
NCA 07_Res_5186	0	37	70	69	35	64	44	36
NCA 05_Res_4761	12	81	70	57	0	65	63	62
NCA 03_Res_2982	27	72	58	32	0	50	36	0
NCA 10_Res_5187	0	0	51	49	19	48	50	0
NCA 07_Res_5188	0	42	66	66	30	44	36	41
NCA 07_Res_5189	0	57	58	58	20	38	43	53
NCA 02_Res_1115	0	63	55	33	0	47	42	0
NCA 02_Res_1845	0	62	51	39	0	40	42	0
NCA 10_Com_5190	0	0	62	58	23	57	62	0
NCA 01_Res_4838	0	71	58	30	0	56	33	0
NCA 03_Res_1987	14	84	48	30	0	61	35	0
NCA 05_Res_4613	13	69	55	34	0	49	45	52
NCA 03_Res_1660	14	61	45	31	0	40	39	0
NCA 11_Res_5191	0	0	50	37	0	39	39	0
NCA 02_Res_3203	16	65	47	31	0	48	40	0
NCA 01_Res_2602	0	65	47	46	0	46	24	0
NCA 04_Res_1883	24	61	51	34	0	43	40	38
NCA 07_Res_7039	0	47	67	63	33	59	40	42
NCA 10_Res_5192	0	0	68	64	25	64	68	0
NCA 05_Res_1387	13	68	55	46	0	49	46	49
NCA 13_Res_5193	0	0	34	15	0	0	0	0
NCA 03_Res_1290	19	72	64	42	0	43	54	0
NCA 05_Res_4521	16	66	53	28	0	48	39	46
NCA 02_Res_2914	0	69	62	57	0	51	51	0
NCA 02_Res_3797	14	57	49	35	0	38	45	0
NCA 07_Res_5194	0	43	70	68	23	64	45	41
NCA 13_Res_5195	0	0	34	14	0	0	0	0
NCA 06_Res_4753	-3	63	54	51	0	42	35	46
NCA 07_Res_5196	0	52	43	39	31	39	36	46
NCA 03_Res_1743	15	58	42	23	0	39	29	0
NCA 11_Res_5197	0	0	51	43	0	45	45	0

NCA 01_Res_2380	0	55	44	23	0	40	31	0
NCA 07_Res_5198	0	46	57	52	32	51	36	41
NCA 01_Res_4828	0	58	46	27	0	42	34	0
NCA 11_Res_5199	0	0	52	43	0	45	46	0
NCA 05_Res_1456	17	61	49	30	0	45	38	47
NCA 07_Com_5200	0	43	40	38	31	38	33	37
NCA 11_Res_5201	0	0	43	28	0	30	30	0
NCA 08_Res_5202	0	0	47	49	53	40	32	0
NCA 06_Res_2936	18	71	62	59	0	42	37	51
NCA 03_Res_4974	20	58	47	34	0	39	40	33
NCA 01_Res_2686	0	60	53	36	0	53	30	0
NCA 01_Res_4875	0	54	42	35	0	44	28	0
NCA 07_Res_5203	0	49	47	45	29	46	39	35
NCA 01_Com_2664	0	54	45	32	0	45	18	0
NCA 08_Com_5204	0	0	51	52	56	44	31	0
NCA 01_Res_2681	0	71	53	54	0	53	31	0
NCA 11_Res_5205	0	0	51	42	0	42	42	0
NCA 07_Res_5206	0	50	61	61	22	38	43	49
NCA 01_Com_2795	0	54	40	33	0	41	24	0
NCA 02_Res_4411	18	70	55	46	0	45	50	0
NCA 08_Res_5207	0	38	48	50	36	48	44	37
NCA 11_Res_5208	0	0	70	54	0	36	36	0
NCA 01_Res_3894	0	68	50	51	0	50	29	0
NCA 13_Res_5209	0	0	32	0	0	0	0	0
NCA 02_Res_2314	0	56	48	38	0	41	50	0
NCA 06_Com_4602	9	56	44	39	0	40	37	47
NCA 01_Com_1107	0	45	47	27	0	56	17	0
NCA 07_Res_5210	0	56	48	44	0	40	39	54
NCA 07_Res_5211	0	40	46	44	28	44	39	41
NCA 05_Res_1651	17	64	51	36	0	47	37	47
NCA 05_Res_4460	13	63	51	37	0	54	51	59
NCA 11_Res_5212	0	0	69	27	0	29	29	0
NCA 10_Com_5213	0	0	36	34	16	40	36	0
NCA 10_Res_5214	0	0	53	52	24	49	56	0
NCA 11_Res_5215	0	0	61	36	0	38	36	0
NCA 03_Res_1713	30	71	58	38	0	50	39	31
NCA 06_Res_1632	14	63	53	48	0	43	48	56
NCA 13_Res_5216	0	0	22	0	0	17	0	0
NCA 02_Res_4918	0	64	54	42	0	49	45	0
NCA 08_Res_5217	0	0	49	49	48	36	33	0
NCA 07_Res_5218	0	47	50	48	30	48	35	40
NCA 01_Res_2781	0	81	70	32	0	64	40	0
NCA 02_Res_1629	22	54	41	28	0	34	37	0
NCA 01_Res_2953	0	56	40	37	0	41	30	0
NCA 10_Res_5219	0	0	41	39	23	40	38	0
NCA 06_Res_3197	6	52	41	34	0	37	33	42
NCA 01_Com_1208	0	75	52	32	0	57	31	0
NCA 11_Res_5220	0	0	56	34	0	37	37	0
NCA 01_Res_2666	0	71	55	51	0	52	26	0
NCA 01_Res_2313	0	46	40	28	0	40	20	0
NCA 03_Res_2917	24	70	55	28	0	49	33	0
NCA 10_Res_5221	0	0	43	40	19	46	45	0
NCA 13_Res_5222	0	0	32	0	0	0	0	0

NCA 03_Res_3762	15	54	40	23	0	35	31	0
NCA 08_Res_5223	0	38	57	57	26	55	38	37
NCA 11_Res_5224	0	0	57	34	0	36	37	0
NCA 09_Res_5225	0	0	37	35	24	36	33	0
NCA 03_Res_3432	23	70	58	30	0	50	35	28
NCA 02_Res_4950	12	65	50	37	0	47	45	0
NCA 09_Res_5226	0	0	49	44	28	30	25	0
NCA 02_Res_4922	0	50	38	26	0	34	33	0
NCA 13_Res_5227	0	0	33	0	0	0	0	0
NCA 09_Res_5228	0	0	58	59	37	37	34	0
NCA 02_Res_2074	14	64	47	34	0	46	41	0
NCA 12_Com_5229	0	0	31	21	0	21	23	0
NCA 13_Res_5230	0	0	31	9	0	0	0	0
NCA 02_Res_1397	14	65	47	34	0	43	41	0
NCA 09_Res_5231	0	0	43	43	37	36	31	0
NCA 07_Res_5232	0	45	56	56	13	32	32	44
NCA 13_Res_5233	0	0	33	14	0	0	0	0
NCA 01_Res_4291	0	44	39	24	0	46	19	0
NCA 08_Res_5234	0	0	34	33	35	35	24	0
NCA 08_Res_5235	0	40	69	64	40	63	64	38
NCA 04_Com_5042	32	58	42	29	0	29	33	31
NCA 11_Res_5236	0	0	70	53	0	43	43	0
NCA 02_Res_2328	0	71	62	59	0	43	45	0
NCA 11_Res_5237	0	0	57	31	0	27	26	0
NCA 06_Res_1227	10	61	43	33	0	47	34	52
NCA 10_Res_5238	0	0	52	49	36	47	36	0
NCA 10_Res_5239	0	0	44	39	18	40	41	0
NCA 01_Res_1056	0	79	56	34	0	61	37	0
NCA 07_Res_5240	0	44	47	45	26	45	35	37
NCA 01_Res_2362	0	84	58	45	0	69	32	0
NCA 03_Res_1140	20	57	43	28	0	40	34	0
NCA 05_Res_1586	26	61	49	32	0	45	38	45
NCA 02_Res_1819	11	57	45	23	0	35	30	0
NCA 01_Res_3985	0	54	42	24	0	40	29	0
NCA 08_Res_5241	0	0	67	58	62	49	39	0
NCA 02_Res_3969	0	66	53	35	0	46	42	0
NCA 13_Res_5242	0	0	22	1	0	0	0	0
NCA 08_Res_5243	0	0	55	51	56	34	28	0
NCA 11_Res_5244	0	0	54	46	0	46	49	0
NCA 04_Res_1832	25	56	42	25	0	37	31	41
NCA 08_Res_5245	0	38	50	47	26	47	52	37
NCA 02_Res_2086	16	66	51	40	0	51	46	0
NCA 11_Res_5246	0	0	56	44	0	40	40	0
NCA 02_Res_2822	0	74	63	38	0	41	49	0
NCA 01_Res_2618	0	52	43	32	0	43	28	0
NCA 01_Res_2272	0	54	40	32	0	41	25	0
NCA 02_Res_4421	8	76	57	42	0	58	50	0
NCA 10_Res_5247	0	0	43	41	22	43	47	0
NCA 04_Res_2003	36	62	51	38	0	40	41	38
NCA 01_Res_2669	0	57	46	37	0	50	25	0
NCA 01_Res_3892	0	62	49	33	0	47	37	0
NCA 02_Res_2363	0	58	48	38	0	43	49	0
NCA 03_Res_2103	22	64	51	33	0	44	38	36

NCA 04_Com_4407	31	58	43	26	0	38	33	41
NCA 10_Com_5248	0	0	67	62	23	59	63	0
NCA 08_Res_5249	0	40	51	49	26	49	48	38
NCA 07_Res_5250	0	44	53	50	33	50	41	40
NCA 07_Com_7032	0	52	55	56	33	57	41	46
NCA 01_Res_2339	0	83	73	34	0	67	40	0
NCA 01_Res_2861	0	62	41	34	0	45	25	0
NCA 08_Res_5251	0	0	55	56	54	38	29	0
NCA 01_Res_2283	0	65	54	35	0	50	42	0
NCA 04_Res_3808	25	59	45	26	0	39	34	42
NCA 13_Res_5252	0	0	25	0	0	0	0	0
NCA 03_Res_2545	23	55	44	32	0	37	38	36
NCA 10_Com_5253	0	0	44	42	23	47	43	0
NCA 03_Res_1914	14	62	46	33	0	43	39	0
NCA 02_Res_1467	10	64	46	33	0	45	42	0
NCA 13_Res_5254	0	0	34	13	0	0	0	0
NCA 10_Res_5255	0	0	69	68	22	64	67	0
NCA 06_Com_1922	11	54	38	29	0	40	31	44
NCA 05_Res_4677	12	63	51	37	0	50	43	54
NCA 12_Com_5256	0	0	40	28	0	30	29	0
NCA 10_Res_5257	0	0	70	69	28	65	61	0
NCA 12_Com_5258	0	0	36	15	0	16	18	0
NCA 13_IND_5259	0	0	32	13	0	0	0	0
NCA 09_Res_5260	0	0	37	36	30	33	27	0
NCA 07_Res_5261	0	40	71	70	36	66	46	38
NCA 03_Res_1891	22	59	45	26	0	39	33	0
NCA 08_Com_5262	0	34	47	46	32	47	40	36
NCA 03_Res_3717	28	60	48	36	0	40	40	37
NCA 05_Res_3173	23	66	50	27	0	41	36	45
NCA 03_Res_1377	15	58	41	22	0	39	29	0
NCA 08_Res_5263	0	33	62	61	27	66	45	37
NCA 12_Com_5264	0	0	37	23	0	25	26	0
NCA 01_Res_2829	0	64	51	29	0	48	35	0
NCA 06_Caf_6054	6	58	44	38	0	43	33	45
NCA 02_Res_2675	0	57	48	34	0	43	47	0
NCA 01_Res_3902	0	54	44	33	0	45	23	0
NCA 13_Res_5265	0	0	20	7	0	10	10	0
NCA 02_Res_2382	0	80	81	73	0	58	86	0
NCA 01_Res_4842	0	71	57	28	0	54	35	0
NCA 11_Res_5266	0	0	46	42	0	43	45	0
NCA 13_Res_5267	0	0	28	10	0	0	0	0
NCA 13_Res_5268	0	0	27	5	0	22	0	0
NCA 02_Res_2240	0	70	62	60	0	43	42	0
NCA 10_Res_5269	0	0	52	51	33	49	35	0
NCA 05_Res_4721	17	64	49	29	0	42	34	43
NCA 11_Res_5270	0	0	55	39	0	40	40	0
NCA 01_Res_2498	0	73	57	49	0	57	27	0
NCA 02_Res_1315	0	86	73	36	0	41	41	0
NCA 05_Res_4870	11	60	48	34	0	47	44	51
NCA 12_Com_5271	0	0	33	26	0	26	28	0
NCA 01_Res_2150	0	58	47	31	0	42	37	0
NCA 01_Res_2743	0	54	43	29	0	38	36	0
NCA 01_Res_2821	0	68	51	48	0	50	25	0

NCA 05_Res_4730	13	63	51	37	0	50	43	55
NCA 08_Res_5272	0	0	53	49	54	34	27	0
NCA 01_Com_1075	0	63	55	48	0	53	27	0
NCA 08_Res_5273	0	36	53	52	30	51	49	35
NCA 01_Res_2612	0	44	39	25	0	47	18	0
NCA 09_Res_5274	0	0	48	42	27	30	26	0
NCA 12_Com_5275	0	0	23	9	0	11	12	0
NCA 05_Res_1314	16	63	50	34	0	46	44	45
NCA 08_Res_5276	0	39	48	41	30	43	42	37
NCA 06_Res_1954	14	69	56	46	0	49	43	45
NCA 03_Res_3068	22	79	65	35	0	56	40	32
NCA 02_Res_2577	0	58	48	42	0	43	51	0
NCA 09_Res_5277	0	0	47	49	24	39	35	0
NCA 11_Res_5278	0	0	68	36	0	32	32	0
NCA 07_Res_5279	0	45	43	41	28	40	32	37
NCA 09_Res_5280	0	0	46	46	34	41	35	0
NCA 01_Res_3955	0	84	58	43	0	68	30	0
NCA 07_Res_5282	0	48	47	46	13	36	32	43
NCA 09_Res_5283	0	0	45	44	34	41	36	0
NCA 06_CCC_4644	3	72	61	57	0	44	36	47
NCA 04_Res_3841	27	56	50	41	0	35	38	36
NCA 09_Res_5284	0	0	42	47	25	37	35	0
NCA 09_Res_5285	0	0	42	40	23	38	34	0
NCA 03_Res_2979	26	58	47	36	0	40	41	38
NCA 07_Res_5286	0	43	40	39	32	37	30	39
NCA 07_Res_5287	0	41	46	46	26	44	35	40
NCA 03_Res_2544	24	63	49	33	0	41	38	36
NCA 01_Com_2399	0	51	35	26	0	35	26	0
NCA 09_Res_5288	0	0	40	38	27	39	38	0
NCA 01_Res_2508	0	59	42	34	0	41	31	0
NCA 01_Res_2405	0	61	48	34	0	45	37	0
NCA 11_Res_5289	0	0	46	37	0	40	38	0
NCA 04_Res_1237	44	68	66	50	0	37	50	36
NCA 07_Res_7004	0	41	62	61	34	58	41	39
NCA 07_Res_5290	0	43	46	44	33	44	34	39
NCA 10_Com_5291	0	0	42	41	27	40	38	0
NCA 05_Res_4749	15	85	71	45	0	63	53	57
NCA 07_Res_7038	0	41	64	63	33	60	39	37
NCA 10_Res_5292	0	0	44	42	22	42	42	0
NCA 11_Res_5293	0	0	45	30	0	33	31	0
NCA 10_Res_5294	0	0	58	58	15	55	58	0
NCA 02_Res_4542	21	79	56	47	0	64	53	0
NCA 11_Res_5295	0	0	43	34	0	41	41	0
NCA 10_Res_5296	0	0	41	39	23	39	37	0
NCA 02_Res_3517	8	65	48	32	0	47	38	0
NCA 01_Res_2551	0	45	39	24	0	46	21	0
NCA 09_Res_5297	0	0	55	55	38	39	36	0
NCA 12_Com_5298	0	0	24	14	0	15	16	0
NCA 10_Com_5299	0	0	50	49	22	51	45	0
NCA 02_Res_2279	0	53	44	34	0	37	43	0
NCA 08_Res_5300	0	35	51	46	33	46	52	35
NCA 01_Res_3629	0	78	65	33	0	60	39	0
NCA 12_Com_5301	0	0	29	14	0	15	16	0

NCA 03_Res_4348	22	70	58	36	0	49	42	27
NCA 09_Res_5302	0	0	68	58	33	47	38	0
NCA 11_Res_5303	0	0	70	48	0	53	50	0
NCA 11_Res_5304	0	0	53	43	0	45	45	0
NCA 02_Res_2233	0	69	59	43	0	52	56	0
NCA 02_Res_4861	0	63	49	41	0	44	45	0
NCA 03_Res_1711	27	70	57	36	0	50	37	33
NCA 08_Com_5305	0	0	55	55	57	60	44	0
NCA 08_Res_5306	0	45	70	63	40	62	64	39
NCA 11_Res_5307	0	0	48	40	0	46	44	0
NCA 09_Res_5308	0	0	50	47	30	38	32	0
NCA 01_Res_3538	0	51	39	31	0	41	28	0
NCA 01_Res_4298	0	63	53	44	0	53	16	0
NCA 02_Caf_4700	19	72	51	38	0	59	46	0
NCA 07_Com_5309	0	41	38	36	23	38	29	39
NCA 01_Res_3583	0	54	40	33	0	40	30	0
NCA 11_Res_5310	0	0	44	38	22	41	43	0
NCA 06_Res_4868	8	66	49	34	0	57	36	62
NCA 02_Res_1885	17	67	52	37	0	45	44	0
NCA 11_Res_5311	0	0	50	48	17	47	44	0
NCA 13_Res_5312	0	0	20	-1	0	0	0	0
NCA 03_Res_1598	14	61	45	25	0	43	35	0
NCA 08_Res_5313	0	41	43	42	26	42	37	38
NCA 05_Res_1630	11	59	47	26	0	42	33	42
NCA 04_Res_3674	29	60	53	44	0	40	40	36
NCA 10_Com_5314	0	0	48	45	26	58	49	0
NCA 08_Res_5315	0	27	44	43	43	39	37	32
NCA 06_Res_4569	17	65	53	33	0	55	50	59
NCA 07_Com_5316	0	48	46	44	14	36	36	44
NCA 09_Res_5317	0	0	41	39	22	41	39	0
NCA 13_Res_5318	0	0	25	5	0	0	0	0
NCA 02_Res_1862	0	63	52	41	0	40	41	0
NCA 01_Com_2739	0	43	33	23	0	46	14	0
NCA 08_Res_5319	0	31	65	59	35	59	60	31
NCA 01_Res_2425	0	83	62	37	0	66	37	0
NCA 07_Com_5320	0	37	37	36	13	37	27	37
NCA 01_Res_2834	0	69	52	47	0	51	26	0
NCA 08_Com_5321	0	0	57	55	56	61	39	0
NCA 03_Res_2040	16	56	43	27	0	38	33	36
NCA 07_Res_5322	0	50	50	51	23	38	36	46
NCA 02_Res_1058	10	57	44	33	0	35	34	0
NCA 03_Res_2204	25	76	64	33	0	56	37	30
NCA 10_Res_5323	0	0	40	35	27	37	36	0
NCA 13_Res_5324	0	0	33	14	0	0	0	0
NCA 10_Res_5325	0	0	42	37	28	40	38	0
NCA 02_Res_4440	0	58	45	32	0	40	42	0
NCA 02_Res_4502	0	85	74	40	0	50	42	0
NCA 01_Res_2599	0	60	41	36	0	43	24	0
NCA 06_Edu_1965	15	62	49	33	0	49	42	55
NCA 02_Res_1546	0	69	58	35	0	42	37	0
NCA 08_Res_5326	0	30	38	37	33	41	30	34
NCA 01_Res_2835	0	79	66	26	0	60	32	0
NCA 11_Res_5327	0	0	46	38	0	41	41	0

NCA 08_Com_5328	0	40	65	66	39	67	61	38
NCA 01_Res_2294	0	68	55	35	0	52	37	0
NCA 03_Res_1942	28	72	55	36	0	51	40	0
NCA 02_Res_4663	7	58	45	30	0	38	39	0
NCA 10_Res_5329	0	0	35	34	29	36	34	0
NCA 08_Res_5330	0	0	61	60	51	39	31	0
NCA 02_Res_3009	20	61	45	30	0	38	37	0
NCA 11_Res_5331	0	0	70	48	0	52	52	0
NCA 09_Res_5332	0	0	65	63	28	59	43	0
NCA 08_Res_5333	0	0	49	46	51	33	27	0
NCA 13_Res_5334	0	0	29	9	0	0	0	0
NCA 06_Med_2104	10	69	56	36	0	60	43	64
NCA 07_Res_5335	0	51	69	69	21	41	48	54
NCA 03_Res_1265	9	58	45	28	0	41	38	0
NCA 08_Res_5336	0	0	50	50	53	46	30	0
NCA 03_Res_1379	22	59	51	42	0	41	46	33
NCA 03_Res_2970	18	71	45	28	0	48	33	0
NCA 05_Res_3225	12	65	51	29	0	44	35	42
NCA 01_Res_1062	0	60	49	40	0	49	28	0
NCA 03_Res_3310	12	64	48	23	0	42	30	0
NCA 02_Res_1973	14	71	58	53	0	38	57	0
NCA 10_Res_5337	0	0	43	38	23	40	39	0
NCA 02_Res_4662	0	65	53	36	0	43	40	0
NCA 09_Res_5338	0	0	69	69	62	47	38	0
NCA 04_Res_1806	27	58	45	35	0	39	38	40
NCA 01_Res_2506	0	56	44	34	0	43	37	0
NCA 01_Res_3911	0	56	44	36	0	46	24	0
NCA 09_Res_5339	0	0	53	52	31	33	26	0
NCA 07_Com_5340	0	37	36	35	14	33	26	37
NCA 01_Res_5098	0	59	46	26	0	42	32	0
NCA 01_Res_2351	0	93	82	35	0	70	37	0
NCA 06_Res_4499	10	65	44	38	0	46	36	47
NCA 11_Res_5341	0	0	78	56	0	49	50	0
NCA 07_Com_5342	0	46	44	42	15	36	33	42
NCA 13_Res_5343	0	0	37	15	0	26	0	0
NCA 07_Res_5344	0	56	52	53	19	37	37	49
NCA 02_Res_2638	0	55	48	40	0	41	50	0
NCA 09_Res_5345	0	0	42	41	27	39	34	0
NCA 02_Res_3934	0	58	49	39	0	43	50	0
NCA 01_Res_2910	0	53	43	34	0	45	27	0
NCA 02_Res_1848	0	55	43	32	0	36	33	0
NCA 02_Res_5025	16	78	70	46	0	50	58	0
NCA 04_Res_3101	26	61	47	25	0	40	33	42
NCA 12_Com_5346	0	0	25	12	0	13	13	0
NCA 05_Res_3202	14	75	62	52	0	59	59	56
NCA 07_Res_5347	0	62	54	51	29	44	57	59
NCA 08_Res_5348	0	0	48	48	45	41	37	0
NCA 01_Res_2263	0	58	45	38	0	47	22	0
NCA 11_Res_5349	0	0	50	30	0	25	25	0
NCA 03_Res_4248	14	61	46	32	0	42	40	0
NCA 01_Res_4855	0	56	36	29	0	41	29	0
NCA 08_Res_5350	0	44	47	41	31	42	36	39
NCA 09_Res_5351	0	0	40	38	24	39	35	0

NCA 01_Res_2130	0	67	56	40	0	51	47	0
NCA 08_Res_5352	0	40	49	47	29	49	49	38
NCA 11_Res_5353	0	0	56	39	0	41	40	0
NCA 01_Res_2219	0	53	40	33	0	41	31	0
NCA 03_Com_3711	14	59	40	22	0	41	28	0
NCA 01_Res_2400	0	64	48	41	0	47	30	0
NCA 09_Res_5354	0	0	44	45	24	39	37	0
NCA 11_Res_5355	0	0	42	26	0	27	27	0
NCA 11_Res_5356	0	0	50	39	0	41	41	0
NCA 05_Res_1176	15	70	58	36	0	55	55	55
NCA 04_Res_1938	37	55	45	29	0	36	33	38
NCA 10_Res_5357	0	0	51	49	23	47	53	0
NCA 01_Res_2662	0	75	58	52	0	58	21	0
NCA 05_Res_1068	15	85	71	48	0	63	55	59
NCA 10_Com_5358	0	0	40	35	15	43	39	0
NCA 08_Com_5359	0	36	63	63	44	63	57	36
NCA 09_Res_5360	0	0	55	54	42	39	32	0
NCA 01_Res_2473	0	77	63	31	0	59	37	0
NCA 12_Com_5361	0	0	29	19	0	21	22	0
NCA 03_Res_1389	25	63	50	34	0	43	38	27
NCA 04_Res_1849	24	62	48	28	0	40	35	43
NCA 13_Res_5362	0	0	30	12	0	0	0	0
NCA 03_Res_3102	23	64	52	34	0	44	39	36
NCA 11_Res_5363	0	0	46	30	0	25	25	0
NCA 09_Res_5364	0	0	70	69	30	63	44	0
NCA 10_Res_5365	0	0	48	46	32	44	46	0
NCA 11_Res_5366	0	0	44	42	0	42	40	0
NCA 01_Res_4843	0	49	36	27	0	35	26	0
NCA 09_Res_5367	0	0	41	41	28	38	36	0
NCA 08_Res_5368	0	43	45	43	21	42	35	40
NCA 11_Res_5369	0	0	40	32	0	34	33	0
NCA 03_Res_3135	25	59	49	37	0	41	41	28
NCA 13_Res_5370	0	0	36	15	0	23	0	0
NCA 10_Res_5372	0	0	49	46	16	46	50	0
NCA 02_Res_2005	8	57	44	28	0	39	42	0
NCA 05_Res_1264	20	65	51	31	0	44	39	46
NCA 10_Res_5373	0	0	46	40	0	41	42	0
NCA 08_Res_5374	0	0	44	43	46	32	29	0
NCA 01_Res_2608	0	68	49	37	0	53	32	0
NCA 12_Com_5375	0	0	33	16	0	17	19	0
NCA 06_Res_3712	7	62	52	47	0	43	47	56
NCA 11_Res_5376	0	0	48	33	0	35	35	0
NCA 01_Res_2149	0	63	51	33	0	48	35	0
NCA 12_Com_5377	0	0	35	23	0	23	23	0
NCA 03_Res_1533	11	53	42	26	0	37	36	0
NCA 01_Res_2576	0	54	41	34	0	40	33	0
NCA 03_Res_1796	16	57	42	23	0	38	28	0
NCA 12_Com_5378	0	0	44	29	0	30	31	0
NCA 07_Res_5379	0	63	60	58	0	46	53	60
NCA 07_Res_5380	0	45	70	68	37	65	49	39
NCA 01_Res_4921	0	53	41	35	0	42	28	0
NCA 06_Res_5173	4	58	48	46	0	39	39	54
NCA 13_Res_5381	0	0	32	22	0	23	25	0

NCA 02_Res_1295	6	53	42	30	0	33	34	0
NCA 12_Com_5382	0	0	30	24	0	25	25	0
NCA 13_Res_5383	0	0	36	14	0	0	0	0
NCA 01_Res_2126	0	58	47	31	0	42	37	0
NCA 04_Res_3395	34	71	63	53	0	48	57	37
NCA 13_Com_5384	0	0	37	15	0	26	0	0
NCA 11_Res_5385	0	0	46	36	0	37	37	0
NCA 05_Res_4617	26	62	50	41	0	46	40	47
NCA 11_Res_5386	0	0	51	31	0	33	33	0
NCA 01_Res_4874	0	66	53	32	0	48	41	0
NCA 08_Com_5387	0	30	40	40	29	47	35	34
NCA 02_Res_1772	20	78	70	45	0	43	59	0
NCA 07_Res_7008	0	43	60	58	34	56	41	38
NCA 03_Res_3284	17	63	48	25	0	42	31	0
NCA 04_Res_3168	26	58	46	39	0	38	41	33
NCA 03_Res_4620	18	72	47	35	0	51	35	0
NCA 03_Res_1921	22	74	56	32	0	53	35	0
NCA 03_Res_1749	28	63	50	36	0	42	40	0
NCA 07_Com_5388	0	36	37	36	15	40	26	36
NCA 11_Res_5389	0	0	70	49	0	51	50	0
NCA 06_Res_1645	15	67	54	37	0	54	45	61
NCA 07_Res_5390	0	34	60	59	30	55	36	33
NCA 12_Com_5391	0	0	23	15	0	15	17	0
NCA 09_Res_5392	0	0	56	57	55	40	36	0
NCA 09_Res_5393	0	0	70	62	38	56	44	0
NCA 09_Res_5394	0	0	42	46	29	36	34	0
NCA 01_Res_3873	0	84	75	34	0	65	40	0
NCA 09_Res_5395	0	0	80	79	51	45	37	0
NCA 01_Res_2798	0	47	35	27	0	38	21	0
NCA 03_Res_3226	21	76	50	34	0	56	37	0
NCA 06_Com_1599	5	57	44	35	0	43	34	45
NCA 06_Med_1081	10	81	50	40	0	63	40	49
NCA 07_Res_5396	0	53	69	68	25	40	46	52
NCA 07_Res_7031	0	37	61	59	34	55	40	36
NCA 02_Res_2174	0	53	45	36	0	39	44	0
NCA 02_Res_2614	0	55	45	31	0	40	40	0
NCA 03_Res_3726	31	67	56	46	0	47	50	31
NCA 02_Res_2580	0	54	43	30	0	38	37	0
NCA 03_Res_3303	18	70	60	41	0	45	50	0
NCA 04_Res_2002	45	69	67	46	0	40	45	39
NCA 03_Res_2053	20	62	46	31	0	43	36	32
NCA 06_Res_1342	7	58	45	38	0	39	32	42
NCA 01_Res_3580	0	78	53	42	0	62	24	0
NCA 05_Res_4497	14	83	72	62	0	69	74	70
NCA 01_Res_5097	0	53	37	29	0	38	26	0
NCA 10_Res_5397	0	0	41	35	31	37	36	0
NCA 08_Res_5398	0	27	44	43	44	40	37	32
NCA 03_Res_4638	14	83	65	23	0	57	30	0
NCA 11_Res_5399	0	0	52	46	0	47	44	0
NCA 02_Res_2437	0	56	47	36	0	41	44	0
NCA 03_Res_1661	15	60	45	25	0	42	32	0
NCA 02_Res_4305	18	70	57	51	0	46	48	0
NCA 05_Res_4902	17	69	56	31	0	49	39	44

NCA 13_Res_5400	0	0	34	14	0	0	0	0
NCA 08_Com_5401	0	38	44	43	28	44	40	37
NCA 10_Res_5402	0	0	42	38	31	40	38	0
NCA 01_Res_4890	0	56	44	26	0	43	23	0
NCA 07_Res_5403	0	53	54	55	0	37	45	51
NCA 12_Com_5404	0	0	36	21	0	21	22	0
NCA 03_Res_3060	28	69	54	36	0	49	40	0
NCA 03_Res_2706	25	70	55	29	0	48	33	0
NCA 05_Res_3754	12	59	47	29	0	42	36	45
NCA 12_Com_5405	0	0	22	9	0	11	10	0
NCA 02_Res_2423	0	75	68	60	0	41	43	0
NCA 02_Res_2922	0	54	41	30	0	35	36	0
NCA 05_Res_4536	15	70	58	31	0	51	40	47
NCA 03_Res_3145	13	89	55	32	0	63	36	0
NCA 08_Res_5406	0	38	57	52	38	52	56	37
NCA 13_Res_5407	0	0	24	1	0	16	0	0
NCA 03_Res_1865	19	69	52	30	0	45	34	28
NCA 10_Res_5408	0	0	46	41	0	42	44	0
NCA 12_Com_5409	0	0	26	15	0	17	18	0
NCA 12_Com_5410	0	0	23	10	0	11	12	0
NCA 08_Res_5411	0	45	45	43	32	45	45	40
NCA 10_Res_5412	0	0	49	48	19	47	52	0
NCA 01_Res_3900	0	76	63	30	0	58	35	0
NCA 10_Com_5413	0	0	52	50	31	55	54	0
NCA 07_Res_5414	0	57	53	52	19	42	49	54
NCA 10_Res_5415	0	0	55	55	19	52	42	0
NCA 01_Res_2340	0	59	47	34	0	44	40	0
NCA 02_Res_2779	0	67	52	35	0	40	38	0
NCA 03_Res_3351	21	73	53	34	0	54	37	0
NCA 01_Res_2342	0	62	51	33	0	47	36	0
NCA 04_Res_1587	24	61	48	36	0	41	43	38
NCA 04_Res_3250	34	67	61	53	0	45	53	39
NCA 10_Res_5416	0	0	39	36	26	40	39	0
NCA 06_Res_4784	11	81	65	54	0	67	56	73
NCA 11_Res_5417	0	0	50	35	0	39	37	0
NCA 06_Res_2163	12	69	57	47	0	49	45	47
NCA 05_Res_3093	12	65	52	36	0	49	42	53
NCA 01_Res_4851	0	93	80	40	0	69	36	0
NCA 02_Res_4575	14	77	55	45	0	65	50	0
NCA 07_Res_5418	0	51	45	43	33	43	39	45
NCA 07_Res_5419	0	52	53	52	19	36	40	47
NCA 02_Res_3429	12	64	52	47	0	36	44	0
NCA 13_Res_5420	0	0	31	0	0	0	0	0
NCA 01_Com_1105	0	41	31	20	0	47	14	0
NCA 05_Res_1285	10	66	52	28	0	46	35	44
NCA 06_Res_4525	9	74	51	45	0	52	42	49
NCA 07_Res_5421	0	34	48	44	29	44	37	33
NCA 01_Com_1125	0	44	44	24	0	52	18	0
NCA 07_Res_5422	0	48	53	52	23	36	34	44
NCA 12_Com_5423	0	0	23	10	0	12	12	0
NCA 11_Res_5424	0	0	51	42	0	43	44	0
NCA 03_Res_1343	28	79	71	39	0	61	44	32
NCA 09_Com_5425	0	0	60	57	35	40	34	0

NCA 03_Res_1992	11	60	43	29	0	41	36	0
NCA 01_Com_3895	0	59	37	27	0	43	23	0
NCA 09_Res_5426	0	0	47	46	43	28	25	0
NCA 13_Res_5427	0	0	33	0	0	0	0	0
NCA 07_Com_5428	0	51	59	59	24	39	37	48
NCA 02_Res_2745	19	84	72	58	0	50	70	0
NCA 04_Com_1065	32	58	42	29	0	33	31	37
NCA 06_Res_4691	16	64	52	36	0	58	45	61
NCA 11_Com_5429	0	0	47	38	0	40	41	0
NCA 06_CCC_1811	9	57	39	31	0	42	31	44
NCA 12_Com_5430	0	0	39	32	0	35	34	0
NCA 06_Res_1709	7	64	54	48	0	45	38	47
NCA 01_Res_4930	0	60	48	32	0	45	28	0
NCA 10_Res_5431	0	0	47	45	32	44	36	0
NCA 11_Res_5432	0	0	40	36	0	36	36	0
NCA 13_Res_5433	0	0	33	12	0	0	0	0
NCA 04_Res_3482	49	70	59	32	0	40	37	38
NCA 08_Res_5434	0	36	51	47	27	47	53	36
NCA 03_Res_1464	26	74	55	36	0	52	39	0
NCA 01_Res_2811	0	64	46	41	0	47	25	0
NCA 07_Res_5436	0	42	60	58	28	56	36	35
NCA 07_Res_5437	0	45	44	43	26	37	32	41
NCA 10_Res_5438	0	0	42	38	24	40	39	0
NCA 06_Res_4418	18	83	72	61	0	65	57	60
NCA 13_Res_5439	0	0	34	13	0	0	0	0
NCA 10_Com_5440	0	0	68	64	30	64	65	0
NCA 09_Res_5441	0	0	53	54	35	46	31	0
NCA 10_Res_5442	0	0	58	55	28	54	35	0
NCA 01_Res_2689	0	50	39	31	0	40	29	0
NCA 02_Res_2349	0	79	71	69	0	43	50	0
NCA 07_Res_5443	0	57	53	52	19	40	46	54
NCA 10_Res_5444	0	0	49	47	24	50	54	0
NCA 13_Res_5445	0	0	31	11	0	24	0	0
NCA 08_Res_5446	0	0	61	55	59	36	28	0
NCA 01_Com_4322	0	47	36	24	0	45	24	0
NCA 08_Res_5447	0	0	48	46	51	32	28	0
NCA 01_Com_4451	0	58	41	36	0	42	23	0
NCA 01_Res_2692	0	43	33	23	0	45	20	0
NCA 05_Res_4495	24	63	50	32	0	44	34	44
NCA 11_Res_5448	0	0	56	39	0	41	41	0
NCA 06_Res_5134	16	60	50	47	0	41	40	57
NCA 02_Res_3410	19	77	69	48	0	47	61	0
NCA 05_Res_1284	18	83	70	38	0	54	47	55
NCA 01_Res_2302	0	60	48	35	0	44	39	0
NCA 03_Res_2094	27	62	50	36	0	42	38	0
NCA 01_Com_1116	0	47	52	30	0	59	20	0
NCA 01_Res_4941	0	59	43	27	0	44	27	0
NCA 02_Res_2809	0	56	48	25	0	41	34	0
NCA 03_Res_1638	18	71	54	27	0	47	33	31
NCA 07_Res_5449	0	47	54	52	35	51	38	41
NCA 09_Res_5450	0	0	47	49	24	41	35	0
NCA 10_Com_5451	0	0	57	54	19	62	56	0
NCA 10_Res_5452	0	0	39	37	19	55	41	0

NCA 02_Res_1453	5	61	48	25	0	41	31	0
NCA 01_Res_2556	0	80	71	51	0	59	22	0
NCA 05_Res_1376	25	73	58	28	0	42	36	47
NCA 08_Res_5453	0	0	49	50	51	38	31	0
NCA 01_Res_5054	0	51	39	31	0	40	26	0
NCA 02_Res_3755	20	62	44	31	0	40	38	0
NCA 11_Res_5454	0	0	51	40	0	48	44	0
NCA 07_Res_5455	0	42	51	53	0	32	31	42
NCA 11_Res_5456	0	0	60	43	0	44	45	0
NCA 09_Res_5457	0	0	50	49	44	38	32	0
NCA 03_Res_1372	23	63	55	45	0	44	51	33
NCA 13_Res_5458	0	0	30	0	0	0	0	0
NCA 01_Res_2691	0	90	77	29	0	68	31	0
NCA 08_Res_5459	0	37	55	51	35	51	55	35
NCA 02_Res_2527	0	74	67	62	0	55	61	0
NCA 01_Res_2181	0	84	73	38	0	67	40	0
NCA 01_Res_2684	0	68	52	42	0	50	26	0
NCA 03_Res_1537	22	85	82	33	0	63	38	0
NCA 10_Com_5460	0	0	53	51	31	61	56	0
NCA 01_Res_4834	0	45	37	26	0	41	18	0
NCA 01_Res_2621	0	54	43	24	0	41	31	0
NCA 04_Res_1606	41	60	50	34	0	36	38	38
NCA 02_Res_1751	12	64	45	27	0	44	35	0
NCA 04_Res_1971	50	65	53	39	0	36	42	38
NCA 07_Res_5461	0	44	61	56	28	56	41	38
NCA 11_Res_5462	0	0	52	42	0	43	44	0
NCA 06_Res_3729	12	78	64	42	0	56	38	46
NCA 03_Res_2082	28	73	56	36	0	51	40	0
NCA 11_Com_5463	0	0	41	25	0	23	23	0
NCA 05_Res_1412	13	74	59	39	0	52	48	50
NCA 12_Com_5464	0	0	41	24	0	19	20	0
NCA 12_Com_5465	0	0	38	14	0	14	15	0
NCA 06_Res_3182	16	83	61	51	0	59	48	49
NCA 08_Res_5466	0	9	43	43	44	41	31	23
NCA 09_Res_5467	0	0	56	56	42	48	40	0
NCA 09_Res_5468	0	0	69	65	36	63	48	0
NCA 06_Res_2045	9	61	48	36	0	42	34	41
NCA 11_Res_5469	0	0	44	35	0	38	37	0
NCA 03_Res_3413	23	63	52	29	0	44	34	35
NCA 01_Com_2299	0	44	36	25	0	50	14	0
NCA 06_Com_2039	8	58	42	31	0	44	38	48
NCA 13_Res_5470	0	0	34	10	0	24	0	0
NCA 03_Res_1685	19	59	45	28	0	40	34	0
NCA 11_Res_5471	0	0	51	50	17	48	46	0
NCA 08_Res_5472	0	0	70	64	63	46	35	0
NCA 02_Res_3389	16	73	65	31	0	35	40	0
NCA 06_Com_4526	7	52	34	26	0	39	27	41
NCA 02_Res_2438	0	69	55	32	0	38	36	0
NCA 01_Res_3548	0	83	58	43	0	68	34	0
NCA 11_Res_5473	0	0	40	30	0	32	31	0
NCA 04_Res_3398	26	61	46	23	0	39	33	42
NCA 13_Res_5474	0	0	35	15	0	25	0	0
NCA 01_Res_2782	0	53	40	32	0	41	31	0

NCA 13_Res_5475	0	0	33	9	0	24	0	0
NCA 09_Res_5476	0	0	55	54	54	34	27	0
NCA 05_Res_1434	12	59	46	34	0	45	40	50
NCA 08_Res_5477	0	44	50	45	24	45	38	40
NCA 07_Res_5478	0	63	62	61	28	45	52	59
NCA 02_Res_1578	21	58	43	32	0	42	39	0
NCA 06_Med_1092	7	56	38	31	0	38	31	42
NCA 01_Res_2631	0	71	58	37	0	54	38	0
NCA 01_Res_3541	0	64	51	29	0	48	34	0
NCA 08_Res_5479	0	47	48	45	27	45	38	41
NCA 13_Res_5480	0	0	35	15	0	0	0	0
NCA 07_Res_5481	0	41	53	51	31	50	39	34
NCA 03_Res_2017	25	66	58	49	0	47	55	32
NCA 03_Res_3471	11	54	41	23	0	36	33	0
NCA 02_Res_1770	0	66	57	46	0	39	42	0
NCA 01_Res_2819	0	74	60	24	0	54	31	0
NCA 02_Res_2898	0	82	74	44	0	61	53	0
NCA 11_Res_5482	0	0	53	49	0	49	45	0
NCA 01_Res_2850	0	61	49	25	0	45	31	0
NCA 01_Com_2802	0	45	36	25	0	44	21	0
NCA 13_Res_5483	0	0	30	14	0	14	14	0
NCA 07_Res_5484	0	42	40	38	27	38	30	37
NCA 11_Res_5485	0	0	72	49	0	63	52	0
NCA 02_Res_3020	16	61	45	33	0	40	40	0
NCA 01_Res_3543	0	83	74	35	0	66	40	0
NCA 04_Com_4462	37	57	44	29	0	35	32	38
NCA 12_Com_5486	0	0	22	10	0	11	12	0
NCA 02_Res_4669	16	62	48	30	0	37	38	0
NCA 10_Res_5487	0	0	54	54	22	52	42	0
NCA 13_Res_5488	0	0	22	1	0	0	0	0
NCA 03_Com_2187	14	78	48	23	0	57	30	0
NCA 12_Com_5489	0	0	23	12	0	13	14	0
NCA 09_Res_5490	0	0	50	47	30	39	34	0
NCA 08_Com_5491	0	33	48	48	33	50	43	35
NCA 13_Res_5492	0	0	30	1	0	27	0	0
NCA 12_Com_5493	0	0	36	31	0	34	33	0
NCA 06_Com_4484	6	52	37	27	0	39	28	42
NCA 09_Res_5494	0	0	43	43	30	39	32	0
NCA 01_Res_2269	0	58	41	35	0	43	25	0
NCA 03_Res_3180	31	77	65	37	0	56	43	36
NCA 09_Res_5495	0	0	37	35	29	33	28	0
NCA 13_Res_5496	0	0	36	15	0	23	0	0
NCA 10_Res_5497	0	0	43	40	0	40	40	0
NCA 01_Res_2842	0	53	38	36	0	38	22	0
NCA 03_Res_1998	16	63	52	33	0	42	46	0
NCA 05_Res_3025	17	70	56	29	0	49	37	45
NCA 07_Res_5498	0	40	43	41	28	39	35	41
NCA 02_Res_2909	0	56	50	33	0	41	53	0
NCA 04_Res_3022	25	58	45	34	0	38	38	36
NCA 07_Res_5499	0	36	44	43	19	42	30	34
NCA 09_Res_5500	0	0	69	66	31	54	34	0
NCA 13_Res_5501	0	0	31	12	0	0	0	0
NCA 02_Res_3843	9	59	45	29	0	36	35	0

NCA 01_Res_2555	0	71	57	49	0	53	18	0
NCA 05_Res_4774	18	61	48	32	0	51	40	56
NCA 13_Res_5502	0	0	35	14	0	0	0	0
NCA 10_Com_5503	0	0	56	55	31	69	57	0
NCA 06_Com_1319	18	82	64	55	0	64	51	68
NCA 01_Res_2239	0	60	48	27	0	44	33	0
NCA 01_Res_1067	0	59	40	32	0	41	35	0
NCA 04_Res_1335	42	77	45	26	0	37	33	40
NCA 01_Res_2574	0	63	50	34	0	46	38	0
NCA 05_Res_2750	12	66	52	36	0	49	42	53
NCA 13_Res_5504	0	0	32	14	0	0	0	0
NCA 11_Res_5505	0	0	49	37	0	38	38	0
NCA 11_Res_5506	0	0	73	49	0	44	44	0
NCA 01_Res_1002	0	54	40	34	0	42	28	0
NCA 12_Com_5507	0	0	38	12	0	12	12	0
NCA 04_Res_1446	37	62	50	45	0	38	49	37
NCA 06_Res_1723	17	61	45	43	0	49	37	56
NCA 02_Res_2587	0	59	47	34	0	40	45	0
NCA 01_Res_3904	0	68	51	52	0	51	30	0
NCA 07_Res_5508	0	51	54	55	0	38	48	50
NCA 03_Res_1448	25	57	46	37	0	39	42	29
NCA 07_Res_5509	0	52	50	49	18	35	39	47
NCA 11_Res_5510	0	0	72	45	0	37	39	0
NCA 02_Res_2863	0	66	52	33	0	41	39	0
NCA 08_Res_5511	0	0	48	51	55	40	33	0
NCA 08_Res_5512	0	40	62	57	28	56	37	38
NCA 02_Res_1678	11	56	49	28	0	37	38	0
NCA 04_Res_4487	36	86	74	29	0	42	37	44
NCA 03_Res_4238	23	76	64	37	0	54	38	0
NCA 10_Com_5513	0	0	52	50	24	51	46	0
NCA 13_Res_5514	0	0	21	-1	0	11	0	0
NCA 08_Res_5515	0	41	58	55	34	54	62	39
NCA 01_Res_2816	0	56	44	33	0	41	39	0
NCA 01_Res_3935	0	53	42	27	0	39	33	0
NCA 07_Res_5516	0	49	52	53	0	35	45	49
NCA 08_Res_5517	0	46	57	50	34	51	47	39
NCA 06_Edu_1100	16	57	40	37	0	41	31	45
NCA 08_Com_5518	0	36	42	39	34	38	32	37
NCA 03_Res_2118	14	61	44	29	0	43	35	0
NCA 01_Res_2452	0	62	49	29	0	46	34	0
NCA 02_Res_2121	0	57	47	34	0	37	45	0
NCA 11_Res_5519	0	0	58	53	0	56	52	0
NCA 09_Res_5520	0	0	56	55	21	49	35	0
NCA 05_Res_4464	12	60	48	41	0	46	48	53
NCA 08_Res_5521	0	36	61	62	29	64	49	36
NCA 10_Com_5522	0	0	52	51	27	58	55	0
NCA 11_Res_5523	0	0	70	58	0	43	43	0
NCA 01_Res_2487	0	51	37	28	0	36	27	0
NCA 07_Com_5524	0	43	42	41	14	34	32	42
NCA 12_Com_5525	0	0	39	15	0	15	17	0
NCA 09_Res_5526	0	0	40	38	28	38	35	0
NCA 06_Res_1492	26	56	42	29	0	40	34	45
NCA 10_Res_5527	0	0	49	47	30	45	37	0

NCA 02_Res_3763	10	57	45	29	0	41	37	0
NCA 05_Res_4754	12	59	47	36	0	47	42	51
NCA 05_Res_3459	22	62	49	34	0	46	43	48
NCA 06_Res_3795	11	64	51	42	0	45	40	49
NCA 12_Com_5529	0	0	35	10	0	11	12	0
NCA 10_Res_5530	0	0	69	67	20	64	71	0
NCA 01_Res_1204	0	58	45	30	0	39	39	0
NCA 02_Res_1325	16	56	44	35	0	33	43	0
NCA 03_Res_1731	25	67	54	37	0	47	39	28
NCA 01_Res_2859	0	51	37	34	0	38	21	0
NCA 11_Res_5531	0	0	70	54	0	65	60	0
NCA 03_Res_1323	23	61	51	35	0	43	40	32
NCA 05_Res_5077	14	87	73	39	0	57	47	55
NCA 11_Res_5532	0	0	71	51	0	50	51	0
NCA 07_Res_5533	0	53	56	54	17	37	41	49
NCA 08_Res_5534	0	45	46	43	23	42	33	40
NCA 02_Res_1471	12	86	78	65	0	51	79	0
NCA 01_Res_2133	0	67	52	49	0	48	27	0
NCA 03_Res_1357	14	61	47	27	0	40	38	0
NCA 04_Res_1540	24	60	48	35	0	41	39	39
NCA 01_Res_1158	0	45	38	28	0	41	20	0
NCA 11_Res_5535	0	0	40	31	0	33	32	0
NCA 01_Res_2785	0	59	46	38	0	48	28	0
NCA 11_Res_5536	0	0	49	40	0	46	45	0
NCA 01_Res_2483	0	73	58	52	0	53	25	0
NCA 01_Res_3551	0	52	37	30	0	38	27	0
NCA 11_Res_5537	0	0	69	30	0	27	26	0
NCA 02_Res_2807	0	64	64	51	0	43	62	0
NCA 05_Res_4945	15	72	59	46	0	52	52	52
NCA 09_Res_5538	0	0	49	49	26	45	36	0
NCA 01_Res_2152	0	57	44	37	0	46	22	0
NCA 03_Com_1674	10	78	54	23	0	57	36	0
NCA 01_Res_4859	0	68	46	31	0	50	31	0
NCA 02_Res_2913	0	61	49	31	0	36	36	0
NCA 09_Res_5539	0	0	40	38	26	38	33	0
NCA 07_Res_5540	0	41	55	54	36	51	37	38
NCA 02_Res_2647	0	74	62	55	0	47	55	0
NCA 08_Res_5541	0	0	45	44	49	32	27	0
NCA 05_Res_1794	13	72	59	53	0	55	55	52
NCA 09_Res_5542	0	0	56	56	36	34	31	0
NCA 02_Res_1784	20	58	47	32	0	40	41	0
NCA 06_Res_1974	20	62	46	43	0	47	37	52
NCA 03_Res_2088	28	61	47	37	0	40	40	37
NCA 08_Res_5543	0	23	41	40	33	42	36	29
NCA 11_Res_5544	0	0	44	28	0	27	27	0
NCA 10_Res_5545	0	0	41	39	22	42	41	0
NCA 01_Res_2774	0	76	63	50	0	55	26	0
NCA 01_Res_2218	0	64	52	31	0	48	32	0
NCA 05_Res_3261	12	68	54	36	0	50	44	53
NCA 02_Res_2389	0	68	56	33	0	42	35	0
NCA 03_Res_1983	29	77	70	39	0	59	42	0
NCA 13_Res_5546	0	0	34	10	0	24	0	0
NCA 02_Res_4706	18	67	50	37	0	46	46	0

NCA 13_Res_5547	0	0	21	1	0	0	0	0
NCA 07_Res_5548	0	51	70	69	21	39	43	52
NCA 10_Res_5549	0	0	52	51	23	48	53	0
NCA 10_Res_5550	0	0	52	51	26	49	43	0
NCA 08_Res_5551	0	45	61	55	29	55	36	41
NCA 02_Res_4904	11	64	50	39	0	48	46	0
NCA 01_Res_2864	0	62	50	31	0	45	36	0
NCA 02_Res_2307	0	67	56	36	0	43	51	0
NCA 09_Res_5552	0	0	71	69	37	62	44	0
NCA 10_Res_5553	0	0	47	46	28	44	36	0
NCA 02_Res_3919	0	75	67	39	0	55	49	0
NCA 08_Res_5554	0	0	63	63	60	37	32	0
NCA 06_Res_5172	10	62	53	51	0	42	47	58
NCA 13_Res_5555	0	0	31	11	0	14	0	0
NCA 08_Res_5556	0	37	51	49	29	53	49	36
NCA 01_Res_3616	0	57	45	29	0	41	37	0
NCA 03_Res_1403	22	62	50	33	0	43	38	36
NCA 12_Com_5557	0	0	38	22	0	24	25	0
NCA 02_Res_4395	17	58	45	32	0	36	42	0
NCA 01_Com_1139	0	45	37	24	0	45	20	0
NCA 08_Res_5558	0	43	49	45	24	44	35	40
NCA 12_Com_5559	0	0	37	21	0	21	22	0
NCA 03_Res_4255	12	68	61	31	0	46	40	0
NCA 13_Res_5560	0	0	32	14	0	0	0	0
NCA 12_Com_5561	0	0	35	28	0	31	31	0
NCA 03_Res_4953	24	59	47	33	0	39	37	28
NCA 10_Com_5562	0	0	55	52	32	65	57	0
NCA 01_Res_6001	0	97	86	39	0	71	37	0
NCA 01_Res_4879	0	70	57	30	0	51	38	0
NCA 07_Com_5563	0	37	36	35	14	34	26	36
NCA 05_Res_1989	23	72	55	36	0	49	44	52
NCA 04_Res_1893	27	60	51	47	0	37	53	34
NCA 10_Res_5564	0	0	50	47	30	46	35	0
NCA 10_Res_5565	0	0	70	65	33	65	69	0
NCA 02_Res_4420	15	66	56	37	0	43	53	0
NCA 02_Res_2919	14	53	45	26	0	36	35	0
NCA 10_Res_5566	0	0	40	34	20	40	35	0
NCA 09_Res_5567	0	0	47	48	23	41	35	0
NCA 12_Com_5568	0	0	41	32	0	35	34	0
NCA 01_Res_2359	0	65	49	45	0	47	29	0
NCA 10_Res_5569	0	0	39	37	16	46	36	0
NCA 11_Res_5570	0	0	71	39	0	39	39	0
NCA 02_Res_3574	0	65	51	30	0	42	42	0
NCA 08_Res_5571	0	33	70	65	35	66	72	34
NCA 13_Res_5572	0	0	31	11	0	0	0	0
NCA 12_Com_5573	0	0	37	21	0	21	22	0
NCA 13_Res_5574	0	0	31	12	0	0	0	0
NCA 09_Res_5575	0	0	46	44	29	43	31	0
NCA 02_Res_3281	13	65	50	37	0	47	45	0
NCA 03_Res_3439	27	70	56	35	0	49	38	0
NCA 10_Res_5576	0	0	51	49	26	48	48	0
NCA 09_Res_5577	0	0	42	42	23	37	34	0
NCA 12_Com_5578	0	0	39	14	0	15	17	0

NCA 05_Res_4943	17	81	71	43	0	62	50	56
NCA 01_Res_2433	0	65	47	46	0	47	29	0
NCA 01_Res_2962	0	66	47	36	0	51	31	0
NCA 01_Res_2422	0	60	50	44	0	50	27	0
NCA 09_Res_5579	0	0	44	45	23	38	31	0
NCA 13_Res_5580	0	0	34	13	0	0	0	0
NCA 09_Res_5581	0	0	69	66	37	63	47	0
NCA 02_Res_2475	0	64	54	46	0	45	53	0
NCA 09_Res_5583	0	0	58	58	57	39	34	0
NCA 11_Res_5584	0	0	46	37	0	37	36	0
NCA 11_Res_5585	0	0	48	34	0	36	37	0
NCA 09_Res_5586	0	0	44	42	34	40	33	0
NCA 09_Res_5587	0	0	45	47	28	38	34	0
NCA 08_Res_5588	0	0	50	49	50	40	31	0
NCA 13_Res_5589	0	0	33	15	0	18	0	0
NCA 05_Res_3739	24	64	50	35	0	48	43	51
NCA 06_Caf_6055	19	80	61	52	0	63	52	66
NCA 06_Res_1406	15	56	44	40	0	40	36	44
NCA 08_Res_5590	0	0	69	69	72	47	40	0
NCA 04_Com_4379	57	66	54	36	0	38	39	40
NCA 08_Res_5591	0	42	70	68	41	66	69	39
NCA 13_Res_5592	0	0	28	8	0	0	0	0
NCA 02_Res_2199	11	58	45	33	0	39	41	0
NCA 02_Res_1212	19	83	70	67	0	51	73	0
NCA 02_Res_2175	0	67	54	32	0	36	35	0
NCA 03_Res_3080	23	87	58	34	0	70	38	0
NCA 10_Res_5593	0	0	46	41	0	42	44	0
NCA 13_Res_5594	0	0	22	0	0	13	0	0
NCA 05_Res_2603	22	64	49	31	0	42	33	47
NCA 11_Res_5595	0	0	51	32	0	34	34	0
NCA 02_Res_3498	20	80	70	49	0	48	63	0
NCA 04_Com_4734	34	59	44	27	0	39	34	41
NCA 09_Res_5596	0	0	46	45	37	30	25	0
NCA 04_Res_4116	55	71	65	33	0	37	36	33
NCA 03_Res_3048	22	55	45	33	0	37	38	33
NCA 13_Res_5597	0	0	34	8	0	17	0	0
NCA 10_Com_5598	0	0	62	57	13	61	58	0
NCA 01_Res_2635	0	55	43	34	0	44	29	0
NCA 01_Res_2690	0	67	57	41	0	50	47	0
NCA 04_Com_1590	66	70	58	38	0	39	42	30
NCA 02_Res_3297	21	83	58	48	0	65	54	0
NCA 12_Com_5599	0	0	26	15	0	15	17	0
NCA 09_Res_5600	0	0	46	45	31	37	33	0
NCA 01_Res_2145	0	59	47	39	0	48	23	0
NCA 05_Res_2937	13	67	54	33	0	48	37	49
NCA 06_Res_4409	0	59	46	43	0	38	37	43
NCA 05_Res_2991	14	88	74	39	0	59	47	54
NCA 04_Res_4294	50	70	61	33	0	39	37	38
NCA 01_Res_3572	0	63	50	22	0	46	26	0
NCA 03_Res_1240	15	61	45	31	0	41	40	0
NCA 02_Res_3912	0	69	69	53	0	47	74	0
NCA 13_Res_5601	0	0	29	10	0	14	9	0
NCA 03_Res_1431	22	58	44	27	0	40	33	0

NCA 05_Res_3673	19	85	71	53	0	64	59	63
NCA 03_Res_3424	34	63	53	44	0	42	41	37
NCA 03_Res_4697	21	60	42	26	0	41	29	0
NCA 03_Res_1831	16	90	87	43	0	54	54	0
NCA 02_Res_4807	11	63	53	29	0	36	40	0
NCA 06_Res_4450	0	59	46	43	0	37	35	45
NCA 01_Res_2432	0	57	46	31	0	42	38	0
NCA 08_Res_5602	0	28	40	39	26	43	32	31
NCA 01_Res_5055	0	54	40	27	0	39	33	0
NCA 05_Res_1617	21	75	61	27	0	45	35	44
NCA 09_Res_5603	0	0	41	39	29	32	26	0
NCA 01_Res_2501	0	56	41	39	0	41	32	0
NCA 10_Res_5604	0	0	42	40	0	40	40	0
NCA 04_Res_1612	48	61	50	31	0	34	33	38
NCA 10_Res_5605	0	0	48	47	24	46	41	0
NCA 07_Com_5606	0	37	37	36	13	36	27	37
NCA 06_Res_4751	17	68	56	37	0	58	41	63
NCA 02_Res_2365	0	59	51	38	0	47	49	0
NCA 12_Com_5607	0	0	25	14	0	15	16	0
NCA 03_Res_3734	10	51	38	19	0	31	28	0
NCA 10_Res_5608	0	0	60	56	12	55	60	0
NCA 05_Res_4508	13	65	53	37	0	52	49	56
NCA 01_Res_3932	0	63	50	29	0	47	35	0
NCA 10_Res_5609	0	0	55	53	34	52	52	0
NCA 02_Res_1507	13	62	50	39	0	47	48	0
NCA 01_Res_2952	0	59	46	30	0	40	43	0
NCA 02_Res_1407	9	64	46	33	0	46	40	0
NCA 07_Res_5610	0	48	49	48	29	47	34	38
NCA 03_Res_1876	29	63	52	42	0	42	41	32
NCA 06_Res_1151	26	58	44	32	0	47	41	53
NCA 06_Com_4479	10	89	55	45	0	71	48	61
NCA 06_Edu_1956	16	67	50	45	0	53	39	60
NCA 12_Com_5611	0	0	37	18	0	19	21	0
NCA 03_Res_1826	18	77	61	27	0	50	32	28
NCA 01_Res_4818	0	68	52	24	0	50	25	0
NCA 13_Res_5612	0	0	23	3	0	15	0	0
NCA 02_Res_4657	14	63	52	33	0	39	48	0
NCA 08_Res_5613	0	38	50	50	31	49	44	37
NCA 06_Res_4633	20	84	70	56	0	69	61	76
NCA 12_Com_5614	0	0	33	29	0	32	31	0
NCA 13_Res_5615	0	0	32	6	0	24	0	0
NCA 12_Com_5616	0	0	33	25	0	25	26	0
NCA 12_Com_5617	0	0	22	9	0	11	11	0
NCA 12_Com_5618	0	0	28	25	0	26	22	0
NCA 04_Res_3104	27	65	57	43	0	47	49	38
NCA 10_Res_5619	0	0	51	49	31	47	36	0
NCA 08_Res_5620	0	28	37	36	33	42	29	30
NCA 01_Res_2776	0	66	41	35	0	47	25	0
NCA 08_Res_5621	0	40	63	56	35	54	43	38
NCA 02_Res_2552	0	59	46	31	0	37	37	0
NCA 08_Com_5622	0	0	55	54	55	57	34	0
NCA 10_Res_5623	0	0	57	53	20	52	56	0
NCA 09_Res_5624	0	0	57	55	23	52	40	0

NCA 06_Com_1136	12	82	69	55	0	62	52	47
NCA 02_Res_2524	0	78	72	61	0	45	44	0
NCA 05_Res_4507	13	61	47	36	0	44	37	48
NCA 08_Res_5625	0	0	61	62	65	44	35	0
NCA 06_Res_1698	19	77	70	61	0	56	51	51
NCA 10_Res_5626	0	0	48	45	17	45	49	0
NCA 07_Res_5627	0	42	56	55	27	53	36	39
NCA 04_Res_1648	21	58	48	36	0	40	40	37
NCA 01_Res_2665	0	48	46	28	0	46	21	0
NCA 02_Res_3298	0	56	45	35	0	33	31	0
NCA 02_Res_2891	0	55	45	30	0	40	41	0
NCA 01_Res_2372	0	52	45	30	0	46	28	0
NCA 05_Res_4788	16	63	51	44	0	48	44	48
NCA 06_Res_2748	21	53	47	45	0	36	35	48
NCA 06_Res_4618	9	65	46	40	0	47	38	47
NCA 04_Res_3332	36	77	41	25	0	35	32	40
NCA 11_Res_5628	0	0	45	41	21	42	42	0
NCA 05_Res_3844	13	82	68	55	0	66	66	70
NCA 02_Res_2025	0	82	71	34	0	48	42	0
NCA 01_Res_2434	0	57	46	31	0	43	38	0
NCA 01_Res_2441	0	56	45	41	0	47	22	0
NCA 05_Res_2918	15	80	71	39	0	57	50	55
NCA 11_Res_5629	0	0	46	40	0	41	41	0
NCA 02_Res_2764	3	66	53	37	0	42	43	0
NCA 10_Res_5630	0	0	43	41	32	49	41	0
NCA 11_Res_5631	0	0	51	40	0	43	45	0
NCA 07_Res_5632	0	30	43	40	26	40	34	29
NCA 09_Res_5633	0	0	61	59	42	39	32	0
NCA 03_Res_3043	24	81	67	36	0	58	41	33
NCA 05_Res_1588	26	82	69	35	0	49	43	50
NCA 04_Res_1218	49	66	53	40	0	39	44	42
NCA 01_Res_4898	0	53	41	25	0	38	28	0
NCA 04_Res_1775	31	57	46	35	0	38	38	40
NCA 08_Res_5634	0	0	45	44	46	42	37	0
NCA 06_Res_3302	15	64	55	46	0	46	44	44
NCA 01_Res_2961	0	52	40	32	0	41	29	0
NCA 07_Res_5635	0	39	44	42	19	42	33	38
NCA 01_Com_4449	0	62	48	33	0	46	25	0
NCA 08_Res_5636	0	37	53	52	30	54	53	36
NCA 01_Res_2562	0	55	40	38	0	41	33	0
NCA 12_Com_5637	0	0	45	15	0	15	15	0
NCA 08_Res_5638	0	42	53	47	28	45	39	39
NCA 06_Com_1198	15	59	46	29	0	45	36	50
NCA 11_Res_5639	0	0	47	35	0	38	36	0
NCA 07_Res_7019	0	38	64	61	34	57	40	36
NCA 03_Res_3799	26	73	59	33	0	52	37	0
NCA 01_Res_1113	0	75	62	28	0	56	34	0
NCA 11_Res_5640	0	0	70	36	0	60	42	0
NCA 06_Com_4405	13	81	57	48	0	61	48	57
NCA 08_Res_5641	0	0	51	51	51	51	31	0
NCA 04_Res_1516	27	65	56	48	0	46	55	37
NCA 08_Res_5642	0	47	57	53	32	52	37	41
NCA 08_Res_5643	0	17	37	37	32	43	29	24

NCA 11_Res_5644	0	0	49	35	0	36	36	0
NCA 13_Res_5645	0	0	32	12	0	14	0	0
NCA 01_Res_3881	0	66	54	36	0	49	43	0
NCA 09_Res_5646	0	0	58	58	26	49	35	0
NCA 11_Res_5647	0	0	55	39	0	40	41	0
NCA 05_Res_1895	20	85	71	51	0	64	59	61
NCA 11_Res_5648	0	0	46	39	0	40	40	0
NCA 10_Res_5649	0	0	48	43	0	45	45	0
NCA 09_Res_5650	0	0	44	43	24	41	35	0
NCA 02_Res_1149	11	63	41	25	0	54	33	0
NCA 09_Res_5651	0	0	69	67	33	53	36	0
NCA 07_Res_7017	0	41	51	48	32	48	38	39
NCA 07_Res_5652	0	55	62	63	21	39	41	48
NCA 08_Res_5653	0	41	56	53	31	53	59	39
NCA 11_Res_5654	0	0	49	41	0	42	44	0
NCA 02_Res_2749	15	66	49	34	0	49	45	0
NCA 01_Res_2616	0	48	36	29	0	40	26	0
NCA 07_Com_5655	0	52	44	41	23	43	39	46
NCA 06_Res_4748	16	54	44	41	0	38	33	44
NCA 01_Res_1053	0	59	46	26	0	42	30	0
NCA 11_Res_5656	0	0	70	59	0	41	40	0
NCA 06_Res_4790	19	84	70	54	0	68	60	75
NCA 03_Res_3067	23	62	51	34	0	43	39	36
NCA 10_Com_7564	0	0	51	49	23	48	48	0
NCA 01_Res_2173	0	66	54	51	0	54	26	0
NCA 03_Res_4327	21	76	62	34	0	53	40	33
NCA 03_Res_3708	12	83	77	39	0	56	51	0
NCA 08_Res_5657	0	0	63	57	60	51	38	0
NCA 10_Com_5658	0	0	61	56	12	61	58	0
NCA 05_Res_3224	18	68	54	28	0	47	36	44
NCA 06_Res_4399	13	67	46	41	0	45	37	48
NCA 03_Res_3814	26	77	66	36	0	58	39	0
NCA 11_Res_5659	0	0	43	35	0	38	38	0
NCA 05_Res_2190	14	82	71	55	0	65	62	62
NCA 05_Res_4647	17	68	54	23	0	45	30	39
NCA 02_Res_2824	0	53	44	38	0	39	39	0
NCA 03_Caf_6061	9	59	42	20	0	42	29	0
NCA 10_Com_5660	0	0	52	49	13	49	51	0
NCA 02_Res_2391	0	73	67	55	0	58	68	0
NCA 02_Res_2951	0	67	57	36	0	41	45	0
NCA 03_Res_1566	26	83	69	41	0	60	46	35
NCA 11_Res_5661	0	0	57	56	0	54	57	0
NCA 08_Res_5662	0	38	50	48	32	50	50	37
NCA 01_Res_2295	0	70	53	49	0	51	25	0
NCA 13_Res_5663	0	0	34	15	0	26	0	0
NCA 13_Res_5664	0	0	32	12	0	22	0	0
NCA 03_Res_4615	15	57	42	23	0	37	33	0
NCA 07_Res_7016	0	41	49	47	33	47	40	39
NCA 01_Res_3648	0	60	48	28	0	44	34	0
NCA 02_Res_2694	0	56	49	41	0	43	51	0
NCA 11_Res_5665	0	0	40	33	0	34	31	0
NCA 10_Res_5666	0	0	70	66	35	65	58	0
NCA 05_Res_4800	10	55	43	27	0	40	36	45

NCA 08_Res_5667	0	40	49	45	33	46	51	38
NCA 11_Res_5668	0	0	67	42	0	31	31	0
NCA 06_Res_3044	7	76	49	41	0	55	40	47
NCA 07_Res_5669	0	46	45	43	18	42	35	41
NCA 02_Res_5003	13	65	53	43	0	43	41	0
NCA 10_Res_5670	0	0	44	42	24	42	41	0
NCA 05_Res_2975	15	79	71	41	0	60	53	54
NCA 10_Com_5671	0	0	43	38	16	40	41	0
NCA 10_Com_5672	0	0	46	44	23	51	45	0
NCA 10_Res_5673	0	0	40	37	18	43	39	0
NCA 13_Res_5674	0	0	34	14	0	0	0	0
NCA 07_Res_5675	0	53	42	38	29	39	36	46
NCA 01_Res_1127	0	64	51	31	0	47	35	0
NCA 09_Res_5676	0	0	47	47	24	43	38	0
NCA 13_Res_5677	0	0	35	14	0	0	0	0
NCA 08_Res_5678	0	29	44	40	31	43	42	29
NCA 02_Res_3233	12	70	53	46	0	44	46	0
NCA 13_Res_5679	0	0	28	6	0	0	0	0
NCA 13_Res_5680	0	0	31	13	0	0	0	0
NCA 03_Com_1712	20	78	60	34	0	56	36	0
NCA 13_Res_5681	0	0	20	2	0	11	10	0
NCA 03_Res_1947	31	71	58	41	0	50	44	31
NCA 02_Res_2751	0	65	55	36	0	41	44	0
NCA 01_Res_2416	0	67	41	26	0	49	31	0
NCA 11_Res_5682	0	0	45	29	0	31	31	0
NCA 09_Res_5683	0	0	70	65	38	59	45	0
NCA 10_Res_5684	0	0	39	37	18	37	34	0
NCA 06_Med_1188	8	62	40	31	0	47	31	47
NCA 11_Res_5685	0	0	49	29	0	23	23	0
NCA 03_Res_3666	17	62	50	26	0	41	31	0
NCA 02_Res_3880	0	66	52	33	0	40	39	0
NCA 04_Res_1506	38	67	61	44	0	33	46	32
NCA 04_Res_3821	23	58	45	33	0	38	35	33
NCA 07_Com_5686	0	36	35	34	15	32	25	36
NCA 02_Res_3353	11	59	43	29	0	38	37	0
NCA 05_Res_1317	17	62	50	21	0	35	29	40
NCA 08_Res_5687	0	25	44	44	44	40	36	31
NCA 10_Res_5688	0	0	51	48	18	48	47	0
NCA 11_Res_5689	0	0	43	35	16	40	37	0
NCA 13_Res_5690	0	0	34	14	0	0	0	0
NCA 01_Res_2347	0	47	36	27	0	40	26	0
NCA 02_Res_2511	0	54	46	33	0	40	46	0
NCA 09_Res_5691	0	0	67	64	50	44	38	0
NCA 08_Res_5692	0	0	53	54	58	41	35	0
NCA 01_Res_2409	0	76	66	51	0	55	22	0
NCA 06_Res_4713	15	82	70	56	0	70	63	75
NCA 06_Res_3105	7	54	35	29	0	38	28	40
NCA 09_Res_5693	0	0	52	54	26	38	33	0
NCA 05_Res_4481	11	58	45	31	0	44	39	46
NCA 09_Res_5694	0	0	49	46	22	38	33	0
NCA 05_Res_3166	17	71	56	38	0	50	46	49
NCA 07_Res_5695	0	49	48	46	15	34	38	46
NCA 06_Res_3229	4	78	71	58	0	62	59	46

NCA 10_Res_5696	0	0	50	49	25	47	44	0
NCA 01_Res_2902	0	67	50	40	0	49	21	0
NCA 07_Res_5697	0	40	46	45	34	45	35	38
NCA 08_Res_5698	0	45	51	46	31	47	44	40
NCA 07_Res_5699	0	48	54	54	12	35	43	47
NCA 01_Res_2853	0	74	61	53	0	54	24	0
NCA 01_Res_2293	0	84	58	43	0	68	33	0
NCA 07_Res_5700	0	47	54	50	23	49	35	41
NCA 07_Res_5701	0	46	44	41	23	40	34	41
NCA 01_Res_2869	0	47	37	27	0	51	21	0
NCA 05_Res_4593	9	58	46	34	0	51	42	56
NCA 02_Res_2513	0	65	52	31	0	37	37	0
NCA 09_Res_5702	0	0	49	48	27	43	28	0
NCA 03_Res_4308	22	61	48	25	0	42	36	25
NCA 04_Res_3381	45	74	62	41	0	32	45	36
NCA 03_Res_1522	26	63	50	35	0	42	36	15
NCA 08_Res_5703	0	0	55	55	53	31	26	0
NCA 10_Res_5704	0	0	69	68	27	64	72	0
NCA 03_Res_1256	25	68	54	33	0	47	35	29
NCA 01_Com_2401	0	44	34	25	0	48	15	0
NCA 08_Res_5705	0	0	59	55	57	53	38	0
NCA 12_Com_5706	0	0	33	27	0	30	29	0
NCA 08_Res_5707	0	0	44	45	48	35	31	0
NCA 03_Res_1367	28	63	51	39	0	44	44	32
NCA 09_Res_5708	0	0	77	76	51	44	38	0
NCA 09_Res_5709	0	0	51	50	28	33	27	0
NCA 09_Res_5710	0	0	47	46	31	43	38	0
NCA 13_Res_5711	0	0	33	13	0	0	0	0
NCA 03_Res_3463	27	73	54	37	0	50	40	0
NCA 12_Com_5712	0	0	23	9	0	11	11	0
NCA 06_Med_4446	11	78	56	46	0	60	48	60
NCA 09_Res_5713	0	0	49	51	27	40	33	0
NCA 08_Res_5714	0	37	56	56	30	56	53	36
NCA 10_Res_5715	0	0	44	42	30	41	44	0
NCA 10_Res_5716	0	0	51	41	0	49	51	0
NCA 06_Res_4519	15	79	62	53	0	64	52	69
NCA 09_Res_5717	0	0	42	40	32	35	32	0
NCA 03_Res_1517	16	68	53	23	0	44	30	0
NCA 03_Res_1720	21	68	54	27	0	46	32	0
NCA 09_Res_5718	0	0	44	43	38	43	38	0
NCA 03_Res_3704	15	67	56	38	0	46	38	0
NCA 01_Res_3931	0	64	47	35	0	47	28	0
NCA 06_Res_5104	0	56	54	51	0	46	47	65
NCA 02_Res_1783	21	82	70	52	0	49	67	0
NCA 13_Res_5719	0	0	34	14	0	0	0	0
NCA 03_Res_4021	25	84	58	25	0	66	30	0
NCA 01_Res_2788	0	53	39	33	0	41	28	0
NCA 04_Res_1781	49	64	52	38	0	40	41	43
NCA 03_Res_1186	31	81	70	40	0	61	45	34
NCA 05_Res_4406	23	86	74	37	0	51	44	53
NCA 01_Res_3618	0	68	51	39	0	52	33	0
NCA 13_Res_5720	0	0	29	13	0	25	24	0
NCA 08_Com_5721	0	20	44	42	29	44	32	27

NCA 02_Res_3742	0	58	47	33	0	37	36	0
NCA 02_Res_2440	0	70	60	44	0	40	40	0
NCA 13_Res_5722	0	0	38	17	0	26	16	0
NCA 02_Res_2591	0	60	47	27	0	36	35	0
NCA 10_Res_5723	0	0	52	51	33	49	37	0
NCA 01_Res_4274	0	57	44	37	0	46	23	0
NCA 08_Res_5724	0	37	55	51	31	49	52	35
NCA 12_Com_5725	0	0	33	17	0	11	12	0
NCA 11_Res_5726	0	0	50	34	0	38	32	0
NCA 11_Res_5727	0	0	70	34	0	32	32	0
NCA 01_Edu_1133	0	63	49	33	0	47	22	0
NCA 05_Res_4762	24	66	51	32	0	40	33	45
NCA 09_Res_5728	0	0	58	59	26	49	35	0
NCA 02_Res_1949	9	61	47	35	0	37	45	0
NCA 12_Com_5729	0	0	37	19	0	19	21	0
NCA 02_Res_2786	0	62	49	35	0	42	46	0
NCA 06_Res_1476	12	53	46	45	0	38	46	53
NCA 03_Res_3397	15	53	41	23	0	35	29	0
NCA 02_Res_2702	0	63	54	45	0	47	52	0
NCA 12_Com_5730	0	0	39	19	0	27	16	0
NCA 05_Res_1262	13	63	50	29	0	45	36	46
NCA 11_Res_5731	0	0	53	32	0	39	33	0
NCA 07_Com_5732	0	42	40	38	18	33	30	40
NCA 09_Res_5733	0	0	44	42	33	41	36	0
NCA 02_Res_4410	11	67	51	42	0	43	51	0
NCA 01_Res_2478	0	60	48	34	0	43	42	0
NCA 10_Res_5734	0	0	70	66	35	65	56	0
NCA 01_Res_2424	0	64	51	35	0	48	36	0
NCA 05_Res_4529	26	66	53	30	0	46	36	44
NCA 02_Res_4402	12	69	53	44	0	43	41	0
NCA 01_Com_1135	0	61	55	39	0	61	24	0
NCA 13_Res_5735	0	0	32	13	0	0	0	0
NCA 01_Res_2520	0	53	38	34	0	40	30	0
NCA 03_Res_3256	23	87	75	44	0	63	49	31
NCA 10_Com_5736	0	0	65	61	30	64	63	0
NCA 02_Res_2211	0	59	45	32	0	41	41	0
NCA 02_Res_2460	0	54	44	30	0	39	42	0
NCA 01_Res_4817	0	51	39	31	0	40	25	0
NCA 08_Res_5737	0	0	54	55	59	41	31	0
NCA 09_Res_5738	0	0	70	62	38	54	44	0
NCA 12_Com_5739	0	0	41	32	0	35	34	0
NCA 10_Com_5740	0	0	50	44	21	45	47	0
NCA 12_Com_5741	0	0	28	17	0	18	20	0
NCA 02_Res_2393	0	76	69	65	0	56	63	0
NCA 10_Res_5742	0	0	42	39	15	40	40	0
NCA 05_Res_1608	20	64	51	34	0	47	44	47
NCA 03_Com_4718	16	63	42	24	0	44	30	0
NCA 01_Res_4275	0	69	52	48	0	50	25	0
NCA 08_Res_5743	0	9	34	33	28	34	30	23
NCA 08_Res_5744	0	40	56	53	30	52	57	37
NCA 07_Res_5745	0	46	45	43	21	42	35	41
NCA 07_Com_5746	0	51	48	47	16	37	38	46
NCA 01_Res_4432	0	58	44	30	0	42	37	0

NCA 07_Res_5747	0	37	45	42	21	42	34	35
NCA 10_Res_5748	0	0	44	37	29	39	37	0
NCA 10_Res_5749	0	0	45	42	17	42	42	0
NCA 06_Res_5119	0	57	48	45	0	41	40	51
NCA 01_Res_2613	0	61	43	35	0	44	32	0
NCA 07_Res_5750	0	38	42	40	24	39	31	33
NCA 05_Res_3040	18	55	42	29	0	43	41	47
NCA 05_Res_2988	19	58	45	30	0	48	47	48
NCA 05_Res_3660	14	60	47	30	0	43	38	46
NCA 07_Res_5751	0	63	58	56	0	46	53	59
NCA 07_Res_5752	0	42	44	42	23	42	35	39
NCA 07_Res_5753	0	40	41	39	19	38	31	38
NCA 03_PoW_2022	17	57	44	28	0	40	36	0
NCA 06_Res_5164	0	58	53	50	0	45	42	63
NCA 02_Res_1279	1	79	65	42	0	53	44	0
NCA 07_Res_5754	0	45	58	55	33	53	36	41
NCA 07_Res_5755	0	41	47	45	24	43	32	40
NCA 09_Res_5756	0	0	70	66	38	60	45	0
NCA 03_Res_1688	23	71	59	29	0	51	34	28
NCA 02_Com_4973	13	80	56	45	0	70	52	0
NCA 07_Res_5757	0	48	56	53	22	38	36	44
NCA 07_Res_5758	0	54	65	63	18	39	40	48
NCA 01_Res_4816	0	93	81	39	0	69	41	0
NCA 01_Res_4795	0	90	77	35	0	68	34	0
NCA 03_Res_1879	25	86	58	35	0	68	39	0
NCA 03_Res_1326	25	87	57	35	0	71	38	0
NCA 10_Res_5759	0	0	44	40	26	41	41	0
NCA 04_Res_3128	37	69	43	22	0	32	27	37
NCA 10_Res_5760	0	0	41	35	23	37	36	0
NCA 06_Res_2977	13	55	44	36	0	39	33	43
NCA 10_Res_5761	0	0	43	40	15	41	41	0
NCA 11_Res_5762	0	0	61	37	0	38	38	0
NCA 09_Res_5763	0	0	45	44	38	30	25	0
NCA 04_Res_3682	35	70	61	52	0	46	54	36
NCA 01_Res_2636	0	47	38	27	0	57	21	0
NCA 01_Res_4196	0	46	51	26	0	50	20	0
NCA 07_Res_5764	0	56	52	51	29	40	42	51
NCA 07_Res_5765	0	49	50	48	29	38	40	49
NCA 05_Res_1609	17	67	54	30	0	46	35	45
NCA 01_Res_2402	0	61	46	35	0	45	36	0
NCA 01_Res_3948	0	61	48	34	0	46	37	0
NCA 01_Res_1103	0	59	44	40	0	44	24	0
NCA 11_Res_5766	0	0	65	49	0	56	55	0
NCA 11_Res_5767	0	0	60	40	0	32	32	0
NCA 06_Res_1882	14	77	69	67	0	46	51	64
NCA 06_Res_1915	0	60	54	50	0	36	34	47
NCA 06_Res_4039	0	68	57	53	0	44	37	51
NCA 06_Res_4022	0	65	52	48	0	43	40	50
NCA 11_Res_5768	0	0	40	30	0	32	30	0
NCA 10_Res_5769	0	0	46	36	0	43	41	0
NCA 06_Res_4476	3	55	45	40	0	44	37	45
NCA 11_Res_5770	0	0	68	66	14	64	68	0
NCA 10_POW_5771	0	0	45	41	27	42	42	0

NCA 10_EDU_5772	0	0	35	33	26	35	34	0
NCA 10_POW_5773	0	0	44	41	17	42	42	0
NCA 02_Res_3041	-5	63	52	25	0	39	31	0
NCA 02_Res_2934	-7	71	58	37	0	41	45	0
NCA 08_Res_5774	0	0	45	45	42	41	37	0
NCA 08_Res_5775	0	42	71	66	41	67	69	38
NCA 08_Res_5776	0	38	60	58	32	62	50	38
NCA 04_Res_4422	40	90	63	27	0	38	34	40
NCA 01_Res_2384	0	54	48	34	0	49	29	0
NCA 08_Res_5777	0	42	49	47	23	47	50	39
NCA 03_Res_3034	20	55	44	32	0	36	37	28
NCA 05_Res_4611	14	68	55	45	0	55	54	59
NCA 05_Res_1063	11	61	49	45	0	47	46	50
NCA 07_Res_5778	0	58	50	50	17	40	46	53
NCA 08_POW_5779	0	29	45	45	32	45	41	32
NCA 08_Res_5780	0	38	46	46	31	47	43	37
NCA 10_Res_5781	0	0	48	42	0	44	44	0
NCA 10_Res_5782	0	0	41	39	0	38	38	0
NCA 11_Res_5783	0	0	48	35	0	36	36	0
NCA 10_Res_5784	0	0	44	36	0	41	39	0
NCA 10_Res_5785	0	0	48	35	0	46	39	0
NCA 02_Res_4955	0	69	60	53	0	51	54	0
NCA 02_Res_4877	0	63	54	36	0	46	47	0
NCA 03_Res_4901	23	79	84	35	0	60	38	0
NCA 11_Res_5786	0	0	41	32	0	38	34	0
NCA 06_Res_5152	0	73	63	58	0	53	61	72
NCA 02_Res_2418	0	51	41	30	0	37	42	0
NCA 09_Res_5787	0	0	47	47	33	34	32	0
NCA 07_Res_5788	0	37	51	49	33	48	40	33
NCA 07_Res_5789	0	39	49	49	35	47	34	35
NCA 02_Res_3728	15	65	53	45	0	40	43	0
NCA 01_Res_2535	0	78	59	61	0	60	32	0
NCA 10_Res_5790	0	0	44	42	21	42	45	0
NCA 10_Res_5791	0	0	47	44	17	44	45	0
NCA 02_Res_4269	0	54	44	30	0	41	42	0
NCA 02_PoW_2504	0	55	46	36	0	44	49	0
NCA 13_Res_5792	0	0	33	6	0	23	0	0
NCA 07_Res_5793	0	45	47	46	29	45	33	37
NCA 07_Res_5794	0	50	48	48	0	37	43	51
NCA 11_Res_5795	0	0	62	34	0	58	38	0
NCA 11_Res_5796	0	0	58	45	0	54	47	0
NCA 01_Res_2856	0	73	53	56	0	55	25	0
NCA 01_Res_3974	0	66	49	47	0	49	25	0
NCA 13_Res_5797	0	0	34	14	0	0	0	0
NCA 13_Res_5798	0	0	34	14	0	0	0	0
NCA 05_Res_1243	24	69	54	32	0	45	40	48
NCA 11_Res_5799	0	0	48	36	0	38	39	0
NCA 08_Res_5800	0	0	58	60	63	51	37	0
NCA 04_Res_1083	39	58	46	30	0	37	34	39
NCA 04_Res_3039	35	56	46	30	0	36	35	38
NCA 11_Res_5801	0	0	45	38	17	42	39	0
NCA 04_Res_1966	30	57	48	37	0	38	38	39
NCA 04_Res_4946	28	56	44	32	0	38	37	40

NCA 07_Res_5802	0	62	66	56	0	47	56	65
NCA 13_Res_5803	0	0	31	13	0	0	0	0
NCA 11_Res_5804	0	0	65	43	0	49	49	0
NCA 11_Res_5805	0	0	76	47	0	54	54	0
NCA 11_Res_5806	0	0	67	45	0	38	41	0
NCA 04_Res_1435	51	65	52	31	0	39	34	41
NCA 04_Res_4026	51	65	53	34	0	34	37	33
NCA 04_Res_4161	51	65	53	33	0	32	37	31
NCA 03_Res_2108	25	79	52	35	0	57	38	0
NCA 03_Res_4033	21	80	53	28	0	61	34	0
NCA 03_Res_1259	20	65	46	33	0	43	35	0
NCA 03_Res_1233	21	58	45	29	0	39	33	0
NCA 07_Res_5807	0	34	47	45	30	44	32	34
NCA 01_Res_2634	0	57	45	39	0	45	26	0
NCA 03_Res_1388	16	63	48	27	0	44	39	0
NCA 03_Res_3518	12	59	48	26	0	40	36	0
NCA 11_Res_5808	0	0	57	56	15	54	51	0
NCA 07_Res_5809	0	38	55	51	33	51	43	35
NCA 07_Res_5810	0	45	53	49	33	48	41	40
NCA 01_Res_2515	0	69	51	51	0	51	27	0
NCA 01_Res_2731	0	61	46	44	0	50	28	0
NCA 01_Res_2375	0	66	54	26	0	48	33	0
NCA 01_Res_1003	0	73	59	24	0	53	31	0
NCA 04_Res_4372	26	66	50	31	0	42	37	45
NCA 01_Res_3865	0	72	58	29	0	53	35	0
NCA 01_Res_3599	0	76	62	35	0	58	39	0
NCA 13_Res_5811	0	0	33	14	0	0	0	0
NCA 01_Res_2413	0	65	51	40	0	51	33	0
NCA 03_Res_3715	21	57	49	32	0	39	42	0
NCA 03_Res_4088	16	56	44	28	0	38	36	0
NCA 06_Edu_4266	26	64	48	42	0	49	40	56
NCA 06_Edu_1427	16	61	45	32	0	45	31	49
NCA 06_CCC_1615	16	66	50	44	0	52	40	58
NCA 01_Res_1120	0	82	64	66	0	64	26	0
NCA 02_Res_2124	0	55	44	24	0	39	32	0
NCA 02_Res_4185	0	52	42	29	0	37	38	0
NCA 09_Res_5812	0	0	38	38	24	33	28	0
NCA 10_Res_5813	0	0	50	48	26	46	42	0
NCA 10_Res_5814	0	0	48	47	24	47	41	0
NCA 08_Res_5815	0	38	48	42	29	43	33	36
NCA 07_Res_5816	0	50	49	49	31	40	44	51
NCA 02_Res_4203	0	53	45	34	0	39	44	0
NCA 03_Res_2021	23	60	47	29	0	41	34	0
NCA 03_Res_3514	20	57	44	26	0	39	32	0
NCA 10_Res_5817	0	0	44	41	23	42	37	0
NCA 10_Res_5818	0	0	47	47	24	45	40	0
NCA 02_Res_2903	0	58	50	41	0	43	50	0
NCA 09_Res_5819	0	0	49	48	48	27	23	0
NCA 09_Res_5820	0	0	37	36	35	28	23	0
NCA 10_Res_5821	0	0	48	45	0	45	42	0
NCA 07_Res_5822	0	49	42	39	31	40	35	37
NCA 11_Res_5823	0	0	45	37	0	38	38	0
NCA 07_Res_5824	0	46	43	39	30	39	29	37

NCA 04_Res_4416	46	80	52	26	0	35	29	36
NCA 04_Com_4703	47	79	53	30	0	34	35	36
NCA 04_Res_4680	45	79	51	26	0	37	33	41
NCA 04_Res_4767	28	63	40	25	0	31	29	35
NCA 01_Res_2305	0	65	48	39	0	47	35	0
NCA 02_Res_1744	14	77	64	51	0	59	57	0
NCA 11_Res_5825	0	0	70	33	0	30	31	0
NCA 08_Res_5826	0	0	41	41	44	37	33	0
NCA 03_Res_1764	26	64	51	35	0	41	36	0
NCA 03_Res_4125	18	63	46	28	0	43	35	0
NCA 06_Res_5102	0	57	48	45	0	41	40	55
NCA 05_Res_1958	12	67	53	42	0	53	40	60
NCA 08_Com_5827	0	27	46	46	33	52	39	32
NCA 04_Res_3373	32	61	56	50	0	37	46	38
NCA 04_Res_3846	32	57	46	34	0	35	37	38
NCA 12_Com_5828	0	0	36	20	0	24	22	0
NCA 02_Res_4480	0	58	47	33	0	41	44	0
NCA 02_Res_5032	0	54	40	26	0	38	34	0
NCA 11_Res_5829	0	0	46	37	0	38	37	0
NCA 03_Com_1421	15	60	40	23	0	42	29	0
NCA 03_Res_1946	15	63	47	29	0	44	37	25
NCA 03_Res_3806	19	57	45	27	0	39	33	32
NCA 07_Com_5830	0	50	49	48	16	40	38	46
NCA 07_Com_5831	0	46	47	46	17	42	35	43
NCA 01_Res_2352	0	61	48	34	0	46	37	0
NCA 01_Res_2462	0	62	49	35	0	46	37	0
NCA 06_Res_1241	16	71	45	36	0	52	34	45
NCA 06_Res_3987	9	73	46	36	0	52	35	47
NCA 08_Res_5832	0	46	52	44	31	45	43	40
NCA 04_Res_1526	38	70	43	22	0	30	26	35
NCA 08_Res_5833	0	35	47	46	32	47	41	36
NCA 08_Res_5834	0	38	60	59	30	57	62	36
NCA 08_Res_7199	0	35	61	60	30	58	61	35
NCA 13_Res_5835	0	0	33	0	0	0	0	0
NCA 13_Res_5836	0	0	32	13	0	0	0	0
NCA 01_Res_4490	0	62	50	32	0	45	38	0
NCA 03_Res_3099	24	84	63	36	0	66	39	0
NCA 13_Res_5837	0	0	28	15	0	23	25	0
NCA 13_Res_5838	0	0	27	18	0	19	21	0
NCA 02_Res_1762	18	70	56	50	0	42	47	0
NCA 02_Res_3685	12	66	51	35	0	41	43	0
NCA 07_Res_5839	0	56	54	53	28	40	46	57
NCA 06_Res_2102	16	69	60	56	0	43	48	57
NCA 06_Res_4035	5	82	76	73	0	49	52	66
NCA 10_Res_5840	0	0	49	47	30	45	34	0
NCA 03_Res_3461	24	83	69	45	0	60	51	36
NCA 09_Res_5841	0	0	47	46	28	43	36	0
NCA 07_Res_5842	0	58	54	53	30	43	45	52
NCA 13_Res_5843	0	0	31	13	0	0	0	0
NCA 10_Res_5844	0	0	44	37	0	40	40	0
NCA 10_Res_5845	0	0	43	38	0	40	41	0
NCA 08_Res_5846	0	40	53	49	31	48	50	37
NCA 13_Res_5847	0	0	32	13	0	0	0	0

NCA 10_Res_5848	0	0	48	44	0	45	46	0
NCA 10_Res_5849	0	0	41	39	0	39	39	0
NCA 03_Res_3659	20	77	63	29	0	55	35	0
NCA 03_Res_3497	16	62	47	33	0	44	38	0
NCA 07_Res_5850	0	45	44	43	18	33	33	42
NCA 07_Res_5851	0	51	48	46	15	35	39	47
NCA 04_Res_3096	60	88	78	33	0	31	37	32
NCA 08_Res_5852	0	37	59	57	31	55	61	35
NCA 06_Res_2092	0	53	42	39	0	38	35	46
NCA 08_Res_5853	0	31	50	48	24	49	56	33
NCA 10_Res_5854	0	0	44	41	31	47	46	0
NCA 10_Res_5855	0	0	39	36	20	38	36	0
NCA 02_Res_4282	0	76	68	60	0	60	62	0
NCA 06_Res_5085	13	60	45	41	0	49	37	55
NCA 06_Res_4960	11	64	48	41	0	51	36	58
NCA 07_Res_5856	0	62	59	58	0	45	54	59
NCA 09_Res_5857	0	0	48	47	26	43	33	0
NCA 12_Com_5858	0	0	34	24	0	24	25	0
NCA 12_Com_5859	0	0	24	11	0	12	12	0
NCA 09_Res_5860	0	0	50	51	26	44	32	0
NCA 11_Res_5861	0	0	70	49	0	55	53	0
NCA 11_Res_5862	0	0	57	37	0	40	40	0
NCA 07_Res_5863	0	48	43	41	16	33	34	43
NCA 04_Res_4540	31	55	43	31	0	38	36	40
NCA 04_Res_5045	26	56	43	27	0	36	32	39
NCA 04_Res_5030	35	56	43	27	0	37	33	40
NCA 04_Res_4756	35	55	43	29	0	37	34	40
NCA 04_Res_5022	27	56	43	30	0	37	34	40
NCA 10_Res_5864	0	0	48	44	15	44	47	0
NCA 10_Res_5865	0	0	49	46	18	45	50	0
NCA 02_Res_1423	15	63	55	35	0	42	44	0
NCA 02_Res_3071	10	65	54	38	0	44	48	0
NCA 03_Res_1687	19	58	44	28	0	39	35	0
NCA 04_Res_1683	52	65	54	41	0	40	45	39
NCA 13_Res_5866	0	0	33	13	0	0	0	0
NCA 06_Res_5107	0	58	57	53	0	48	57	64
NCA 06_Res_5106	0	62	54	51	0	47	44	61
NCA 03_Res_3845	25	57	47	36	0	39	41	38
NCA 13_Res_5867	0	0	20	-1	0	12	0	0
NCA 13_Res_5868	0	0	31	11	0	23	0	0
NCA 02_Res_1026	21	74	57	45	0	44	54	0
NCA 02_Res_4624	20	72	55	43	0	41	49	0
NCA 05_Res_1959	16	72	61	31	0	54	41	49
NCA 05_Res_3669	16	72	61	29	0	52	37	47
NCA 05_Res_4738	13	63	51	37	0	50	43	54
NCA 05_Res_5007	10	56	44	30	0	42	36	45
NCA 05_Res_5010	10	60	47	27	0	42	35	44
NCA 01_Res_3569	0	55	44	29	0	40	38	0
NCA 01_Res_1017	0	55	44	27	0	39	36	0
NCA 03_Com_5075	11	63	42	21	0	45	29	0
NCA 01_Res_3649	0	64	56	48	0	54	21	0
NCA 09_Res_5869	0	0	47	48	25	36	31	0
NCA 09_Res_5870	0	0	52	51	30	40	33	0

NCA 06_Com_4426	11	59	43	33	0	44	37	47
NCA 11_Res_5871	0	0	69	30	0	28	26	0
NCA 04_Res_3414	35	78	67	62	0	46	67	34
NCA 02_Res_2736	0	56	48	34	0	36	49	0
NCA 02_Res_4183	0	56	47	33	0	44	45	0
NCA 11_Res_5872	0	0	69	55	0	64	62	0
NCA 03_Res_1951	28	67	53	40	0	46	41	33
NCA 07_Com_5873	0	41	40	40	14	34	30	40
NCA 07_Com_5874	0	47	45	44	13	35	36	45
NCA 03_Res_3833	23	81	71	34	0	63	39	29
NCA 11_Res_5875	0	0	47	35	0	37	37	0
NCA 10_Res_5876	0	0	52	51	22	49	52	0
NCA 10_Res_5877	0	0	42	39	21	41	42	0
NCA 02_Res_2123	0	55	45	26	0	41	33	0
NCA 02_Res_3970	0	56	45	26	0	42	33	0
NCA 01_Res_2457	0	71	54	41	0	52	25	0
NCA 01_Res_2436	0	60	45	39	0	44	24	0
NCA 09_Res_5878	0	0	37	35	28	28	24	0
NCA 06_Res_4899	16	55	44	40	0	41	35	41
NCA 06_Res_5026	10	62	50	43	0	44	41	49
NCA 07_Res_5879	0	51	55	55	21	38	39	46
NCA 06_Res_3698	12	55	42	35	0	44	35	49
NCA 08_Res_5880	0	0	34	33	31	34	28	0
NCA 06_Res_2027	4	62	51	48	0	44	41	49
NCA 06_Res_4132	-4	53	43	37	0	39	32	43
NCA 11_Res_5881	0	0	52	47	0	50	49	0
NCA 11_Res_5882	0	0	56	44	0	53	47	0
NCA 01_Res_3571	0	79	60	63	0	61	25	0
NCA 01_Res_3590	0	72	60	60	0	56	24	0
NCA 01_Res_2178	0	74	60	28	0	56	34	0
NCA 01_Res_4198	0	76	63	27	0	58	33	0
NCA 06_Res_5150	0	78	72	64	0	57	64	76
NCA 08_Res_5883	0	41	55	52	31	51	56	37
NCA 11_Res_5884	0	0	44	35	0	41	41	0
NCA 11_Res_5885	0	0	45	40	0	43	42	0
NCA 03_Res_1894	29	63	50	36	0	43	36	0
NCA 05_Res_4694	14	68	54	32	0	49	38	48
NCA 05_Res_5093	17	66	52	32	0	45	35	46
NCA 03_Res_1486	16	58	44	26	0	41	38	0
NCA 03_Res_1936	14	57	43	26	0	39	37	0
NCA 10_Res_5886	0	0	68	63	25	63	69	0
NCA 01_Res_1009	0	76	59	33	0	58	36	0
NCA 01_Res_4832	0	75	53	23	0	56	26	0
NCA 10_Res_5887	0	0	41	38	24	41	41	0
NCA 04_Res_4547	26	74	57	31	0	42	37	45
NCA 07_Res_5888	0	46	43	40	18	40	34	41
NCA 07_Res_6381	0	46	43	41	23	39	34	41
NCA 11_Res_5889	0	0	47	33	0	34	34	0
NCA 11_Res_5890	0	0	48	36	0	38	38	0
NCA 05_Res_2008	16	70	56	48	0	51	51	51
NCA 05_Res_1374	15	80	71	38	0	58	46	54
NCA 05_Res_1220	14	65	53	30	0	46	38	47
NCA 08_Res_5891	0	40	66	66	39	68	62	38

NCA 05_Res_2079	12	77	63	50	0	63	44	69
NCA 10_Res_5892	0	0	51	46	0	46	51	0
NCA 12_Com_5893	0	0	28	19	0	21	22	0
NCA 12_Com_5894	0	0	41	32	0	34	34	0
NCA 10_Res_5895	0	0	48	47	26	44	40	0
NCA 02_Res_1310	14	63	50	37	0	35	46	0
NCA 02_Res_3341	11	57	44	30	0	37	40	0
NCA 10_Res_5896	0	0	42	39	0	40	42	0
NCA 10_Res_5897	0	0	42	39	0	40	42	0
NCA 09_Res_5898	0	0	56	52	28	40	32	0
NCA 05_Res_1365	14	82	71	48	0	63	57	58
NCA 05_Res_4168	13	70	59	37	0	55	44	51
NCA 04_Res_4541	33	68	52	31	0	41	36	44
NCA 03_Res_1692	18	58	43	27	0	39	35	0
NCA 03_Res_3322	17	55	42	24	0	36	32	0
NCA 06_Res_5110	0	61	58	53	0	49	58	65
NCA 01_Res_6007	0	68	52	42	0	48	26	0
NCA 01_Res_4188	0	56	42	35	0	42	21	0
NCA 10_Res_5899	0	0	43	38	26	40	41	0
NCA 10_Res_5900	0	0	52	49	16	49	53	0
NCA 07_Res_5901	0	57	52	54	28	41	43	51
NCA 07_Res_5902	0	50	51	52	24	37	34	47
NCA 07_Res_5903	0	45	45	42	21	42	33	39
NCA 10_Res_5904	0	0	52	50	21	49	42	0
NCA 10_Res_5905	0	0	48	46	27	46	42	0
NCA 10_Res_5906	0	0	52	51	21	49	42	0
NCA 10_Res_5907	0	0	49	49	26	45	42	0
NCA 10_Res_5908	0	0	52	50	21	49	43	0
NCA 01_Res_2564	0	65	49	47	0	52	25	0
NCA 01_Res_4208	0	66	49	47	0	49	26	0
NCA 07_Res_5909	0	55	54	54	18	41	47	55
NCA 07_Res_5910	0	45	44	42	29	36	36	45
NCA 01_Res_2838	0	60	47	31	0	44	33	0
NCA 01_Res_2583	0	52	41	26	0	38	30	0
NCA 11_Res_5911	0	0	65	55	0	36	36	0
NCA 03_Res_3070	16	58	42	23	0	40	31	0
NCA 03_Res_4727	15	58	43	24	0	39	31	0
NCA 04_Res_3078	46	63	52	32	0	33	36	36
NCA 03_Res_3835	21	61	45	29	0	42	38	35
NCA 03_Res_2059	16	59	44	28	0	40	35	0
NCA 03_Res_4024	12	57	43	30	0	37	34	0
NCA 11_Res_5912	0	0	45	34	0	38	35	0
NCA 11_Res_5913	0	0	49	41	0	43	43	0
NCA 07_Res_5914	0	57	53	51	22	42	48	54
NCA 07_Res_5915	0	43	42	40	23	41	34	39
NCA 11_Res_5917	0	0	40	32	0	35	34	0
NCA 04_Res_1148	27	61	45	26	0	39	35	42
NCA 11_Res_5918	0	0	69	59	0	41	41	0
NCA 07_Res_5919	0	42	61	60	29	57	37	32
NCA 06_Res_1814	19	55	45	43	0	40	33	43
NCA 06_Res_4031	13	52	41	36	0	38	33	44
NCA 10_Res_5920	0	0	50	49	11	47	44	0
NCA 07_Res_5921	0	54	58	59	16	37	42	49

NCA 07_Res_5922	0	53	51	50	15	36	41	49
NCA 05_Res_4696	14	58	47	30	0	43	35	44
NCA 05_Res_4728	15	59	46	28	0	42	34	44
NCA 05_Res_4653	17	68	54	29	0	46	35	44
NCA 02_Res_5076	10	77	63	51	0	44	57	0
NCA 02_Res_1064	7	72	55	41	0	40	43	0
NCA 02_Res_4844	0	67	65	50	0	43	62	0
NCA 02_Res_1004	0	62	55	48	0	49	44	0
NCA 02_Res_1091	0	52	40	32	0	37	36	0
NCA 02_Res_4017	0	54	42	28	0	40	36	0
NCA 02_Res_2747	0	70	57	37	0	44	43	0
NCA 02_Res_3171	0	72	58	30	0	39	37	0
NCA 03_Res_1579	42	66	55	52	0	37	52	39
NCA 07_Res_5923	0	59	50	46	29	43	44	55
NCA 07_Res_5924	0	53	55	54	23	41	46	52
NCA 07_Res_5925	0	62	61	60	25	43	50	57
NCA 06_Res_5157	0	63	56	52	0	48	56	65
NCA 02_Res_3122	19	85	73	59	0	49	72	0
NCA 02_Res_2841	0	63	51	43	0	43	51	0
NCA 02_Res_3610	0	62	52	36	0	46	54	0
NCA 07_Res_7035	0	42	64	58	33	53	35	38
NCA 07_Res_7014	0	43	69	65	32	61	39	44
NCA 10_Res_5926	0	0	47	46	0	45	41	0
NCA 09_Res_5927	0	0	53	54	25	43	35	0
NCA 13_Res_5928	0	0	26	9	0	0	0	0
NCA 13_Res_5929	0	0	26	7	0	0	0	0
NCA 07_Res_5930	0	39	49	47	27	46	34	37
NCA 07_Res_5931	0	34	42	41	23	41	33	34
NCA 02_Res_1565	7	65	49	34	0	40	43	0
NCA 02_Res_1558	11	67	49	36	0	43	41	0
NCA 04_Res_1976	28	56	48	33	0	38	37	39
NCA 04_Res_3204	26	57	46	38	0	39	41	38
NCA 02_Res_4286	7	53	41	27	0	34	34	0
NCA 11_Res_5932	0	0	55	33	0	31	31	0
NCA 10_Res_5933	0	0	47	44	25	46	48	0
NCA 04_Res_1977	34	80	71	62	0	57	67	33
NCA 04_Res_4261	26	79	70	62	0	53	67	28
NCA 02_Res_1398	16	58	48	32	0	38	38	0
NCA 01_Ind_2732	0	59	50	40	0	51	27	0
NCA 09_Res_5934	0	0	49	47	35	46	36	0
NCA 01_Res_2907	0	48	35	28	0	38	27	0
NCA 10_Res_5935	0	0	53	52	24	49	56	0
NCA 07_Res_5936	0	53	46	44	28	41	37	47
NCA 07_Res_5937	0	52	43	40	23	38	35	44
NCA 01_Res_3641	0	83	69	41	0	66	35	0
NCA 01_Res_3941	0	79	50	37	0	62	33	0
NCA 01_Res_2571	0	76	51	40	0	61	30	0
NCA 01_Res_3936	0	87	59	57	0	73	35	0
NCA 01_Res_3647	0	87	59	56	0	73	35	0
NCA 10_Res_5938	0	0	41	35	31	39	37	0
NCA 10_Res_5939	0	0	47	43	0	44	43	0
NCA 10_Res_5940	0	0	41	38	0	38	38	0
NCA 04_Res_1789	24	57	44	25	0	37	31	41

NCA 03_Res_2980	21	63	45	31	0	44	35	28
NCA 03_Res_4163	20	57	45	29	0	38	34	32
NCA 09_Res_5941	0	0	48	46	35	45	33	0
NCA 04_Res_1948	25	58	45	26	0	39	33	42
NCA 04_Res_3188	24	59	44	25	0	38	33	42
NCA 01_Res_2523	0	76	59	53	0	59	28	0
NCA 01_Res_3639	0	71	56	48	0	54	25	0
NCA 06_Res_1681	18	80	69	59	0	62	56	59
NCA 06_Res_3473	18	85	74	63	0	65	56	57
NCA 03_Res_1393	13	72	68	32	0	52	48	0
NCA 03_Res_3012	14	58	47	25	0	39	34	0
NCA 10_Com_5942	0	0	49	46	19	46	48	0
NCA 10_Com_5943	0	0	53	49	12	49	53	0
NCA 02_Res_4793	0	56	45	37	0	34	43	0
NCA 02_Res_1011	0	63	53	43	0	38	38	0
NCA 05_Res_4553	14	67	53	37	0	49	44	53
NCA 05_Res_4977	13	68	53	37	0	50	44	53
NCA 07_Res_5944	0	49	51	52	14	33	40	47
NCA 07_Res_5945	0	46	50	49	13	32	34	42
NCA 08_Res_5946	0	40	50	49	26	48	45	38
NCA 07_Res_5947	0	48	47	46	16	34	36	45
NCA 07_Res_5948	0	47	44	43	14	35	35	44
NCA 08_Res_5949	0	42	60	53	34	52	44	39
NCA 04_Res_1541	32	57	51	43	0	36	39	36
NCA 04_Res_3217	28	57	47	36	0	37	39	40
NCA 09_Res_5950	0	0	53	53	40	34	31	0
NCA 09_Res_5951	0	0	52	51	38	34	29	0
NCA 08_Res_5952	0	44	51	46	29	47	42	39
NCA 05_Res_4642	22	71	58	27	0	42	34	44
NCA 10_Res_5953	0	0	52	49	29	48	54	0
NCA 04_Com_4516	26	58	44	27	0	38	34	41
NCA 11_Res_5954	0	0	62	30	0	34	33	0
NCA 11_Res_5955	0	0	72	47	0	54	50	0
NCA 01_Res_2497	0	62	49	30	0	46	34	0
NCA 11_Res_5956	0	0	51	38	0	38	37	0
NCA 01_Res_2154	0	74	59	48	0	52	25	0
NCA 02_Res_1297	21	60	44	31	0	39	39	0
NCA 09_Res_5957	0	0	51	50	39	35	31	0
NCA 09_Res_5958	0	0	48	47	36	32	25	0
NCA 01_Res_4923	0	80	59	34	0	61	37	0
NCA 01_Res_4814	0	65	50	26	0	47	24	0
NCA 08_Res_5959	0	45	54	48	30	47	46	40
NCA 02_Res_1382	7	67	51	36	0	44	43	0
NCA 02_Res_3242	12	68	54	40	0	43	47	0
NCA 11_Res_5960	0	0	56	38	0	38	38	0
NCA 09_Res_5961	0	0	49	47	19	44	33	0
NCA 03_Res_1535	9	60	47	32	0	41	39	0
NCA 02_Res_1254	18	68	55	51	0	37	53	0
NCA 02_Res_4025	15	58	46	34	0	41	42	0
NCA 02_Res_4469	20	59	43	29	0	43	37	0
NCA 02_Res_4111	20	61	43	28	0	42	35	0
NCA 10_Res_5962	0	0	58	43	0	55	55	0
NCA 06_Res_4616	9	59	49	42	0	44	40	48

NCA 05_Res_4736	12	64	51	37	0	49	44	53
NCA 05_Res_5087	11	60	47	31	0	42	38	46
NCA 01_Res_1112	0	64	44	34	0	46	32	0
NCA 06_Res_3148	13	59	46	36	0	45	37	50
NCA 06_Res_3995	12	55	43	33	0	44	37	49
NCA 07_Res_5963	0	53	70	69	20	39	47	52
NCA 02_Res_4683	0	83	75	38	0	48	41	0
NCA 09_Res_5964	0	0	40	39	39	36	31	0
NCA 09_Res_5965	0	0	41	40	38	36	27	0
NCA 10_Res_5966	0	0	54	51	15	50	54	0
NCA 07_Res_7037	0	38	47	45	26	45	33	30
NCA 06_Res_5133	5	52	48	46	0	37	38	49
NCA 02_Res_2626	0	78	73	57	0	56	69	0
NCA 02_Res_3531	0	70	66	56	0	55	67	0
NCA 07_Res_5967	0	58	54	53	28	40	46	54
NCA 05_Res_4535	15	83	71	60	0	70	74	71
NCA 06_Res_4664	7	54	42	35	0	40	34	43
NCA 06_Res_5033	3	53	41	38	0	36	32	39
NCA 06_Res_4809	9	55	43	39	0	41	34	44
NCA 06_Res_1001	9	55	43	38	0	40	34	45
NCA 03_Com_1029	9	65	41	19	0	44	27	0
NCA 03_Com_3259	11	81	52	30	0	58	37	0
NCA 03_Res_3687	24	65	51	36	0	43	40	36
NCA 03_Res_4071	19	60	46	30	0	41	35	34
NCA 03_Res_1076	18	59	45	25	0	40	31	0
NCA 08_Com_5968	0	24	41	40	33	43	34	30
NCA 07_Res_5969	0	31	43	41	17	40	28	28
NCA 06_Res_4471	11	71	47	41	0	51	37	47
NCA 08_Res_5970	0	44	46	44	30	44	37	39
NCA 03_Res_1288	19	58	44	27	0	38	34	0
NCA 03_Res_3207	11	60	45	30	0	40	38	0
NCA 08_Res_5971	0	43	51	48	31	48	43	39
NCA 01_Res_2593	0	73	56	53	0	55	21	0
NCA 07_Res_5972	0	52	54	54	0	41	49	51
NCA 07_Com_5973	0	52	49	48	14	36	39	46
NCA 07_Com_5974	0	52	49	48	15	37	40	48
NCA 04_Res_3733	42	60	48	40	0	37	44	36
NCA 04_Res_3074	35	54	43	35	0	32	38	34
NCA 03_Res_1939	18	60	45	27	0	39	38	32
NCA 03_Res_1793	12	55	41	24	0	38	34	0
NCA 03_Res_4055	11	52	38	20	0	34	29	0
NCA 02_Res_3690	20	64	47	32	0	45	40	0
NCA 11_Res_5975	0	0	52	43	0	44	45	0
NCA 06_Res_1619	-4	85	82	78	0	67	63	79
NCA 11_Res_5976	0	0	70	47	0	52	50	0
NCA 11_Res_5977	0	0	51	39	0	41	42	0
NCA 10_Res_5978	0	0	46	44	30	43	48	0
NCA 07_Res_5979	0	42	60	60	27	58	36	39
NCA 13_Res_5980	0	0	27	7	0	0	0	0
NCA 13_Res_5981	0	0	23	3	0	0	0	0
NCA 13_Res_5982	0	0	33	14	0	0	0	0
NCA 13_Res_5983	0	0	34	14	0	0	0	0
NCA 11_Res_5984	0	0	46	34	0	41	37	0

NCA 03_Res_1868	20	62	46	28	0	43	34	34
NCA 03_Res_4038	15	58	41	26	0	39	32	31
NCA 01_Res_2303	0	64	52	34	0	48	36	0
NCA 10_CCC_5985	0	0	70	65	0	65	73	0
NCA 07_Res_5986	0	49	49	48	17	35	36	44
NCA 07_Res_5987	0	48	47	45	18	37	35	44
NCA 01_Res_2404	0	64	48	46	0	49	32	0
NCA 01_Res_4186	0	65	49	39	0	47	32	0
NCA 11_Res_5988	0	0	44	34	0	36	35	0
NCA 03_Res_3139	25	63	50	33	0	41	33	0
NCA 03_Res_3838	24	66	54	38	0	43	48	0
NCA 02_Res_1836	16	66	49	37	0	45	46	0
NCA 05_Res_1727	24	64	51	33	0	46	42	47
NCA 05_Res_3184	20	63	49	34	0	46	42	49
NCA 05_Res_1650	10	58	46	38	0	45	44	50
NCA 08_Res_5989	0	37	56	52	35	51	55	35
NCA 02_Res_4558	12	80	57	46	0	71	53	0
NCA 03_Res_3007	23	62	46	31	0	43	36	36
NCA 01_Res_2671	0	80	73	53	0	59	24	0
NCA 13_Res_5990	0	0	21	0	0	0	0	0
NCA 13_Res_5991	0	0	19	0	0	0	0	0
NCA 13_Res_5992	0	0	28	7	0	23	0	0
NCA 13_Res_5993	0	0	30	3	0	15	0	0
NCA 13_Res_5994	0	0	27	3	0	17	0	0
NCA 06_Res_5126	2	65	56	54	0	45	51	62
NCA 03_Res_1877	21	59	45	27	0	40	32	0
NCA 03_Res_3032	23	62	49	29	0	42	34	0
NCA 08_Res_5995	0	0	37	36	37	36	29	0
NCA 07_Res_7021	0	63	58	57	33	49	55	62
NCA 11_Res_5996	0	0	45	36	0	38	37	0
NCA 06_Res_1098	0	85	74	67	0	53	52	64
NCA 06_Res_1371	4	89	78	68	0	57	51	62
NCA 06_Res_1593	7	89	78	68	0	54	51	60
NCA 06_Res_4311	8	89	78	69	0	57	51	61
NCA 02_Res_1312	18	57	42	28	0	39	38	0
NCA 02_Res_4152	8	50	36	22	0	36	29	0
NCA 09_Res_5997	0	0	57	57	38	49	40	0
NCA 09_Res_5998	0	0	59	59	38	49	41	0
NCA 06_Edu_1073	17	63	50	39	0	53	42	57
NCA 04_Res_4122	35	73	41	23	0	29	27	33
NCA 04_Res_1918	27	69	40	24	0	33	28	37
NCA 11_Res_5999	0	0	50	40	0	38	37	0
NCA 07_Res_6000	0	39	47	45	34	45	32	37
NCA 10_Res_6001	0	0	70	70	32	65	53	0
NCA 13_Res_6002	0	0	38	16	0	27	0	0
NCA 09_Res_6003	0	0	46	45	34	43	38	0
NCA 11_Res_6004	0	0	48	35	0	38	39	0
NCA 08_Res_6005	0	37	47	45	24	45	45	36
NCA 11_Res_6006	0	0	47	30	0	24	23	0
NCA 11_Res_6007	0	0	43	34	0	36	36	0
NCA 11_Res_6008	0	0	46	30	0	34	36	0
NCA 03_Res_3277	20	63	46	30	0	44	36	0
NCA 03_Res_4001	15	61	46	29	0	43	36	0

NCA 07_Res_6009	0	42	70	68	35	64	43	38
NCA 10_Res_6010	0	0	41	36	27	38	37	0
NCA 10_Res_6011	0	0	35	32	21	36	34	0
NCA 02_Res_2201	18	57	42	28	0	39	36	0
NCA 02_Res_4086	14	52	38	25	0	34	33	0
NCA 03_Res_3089	17	63	46	33	0	43	35	0
NCA 07_Res_6012	0	41	51	52	33	49	38	34
NCA 07_Res_6013	0	37	54	53	34	51	39	31
NCA 09_Res_6014	0	0	42	40	33	36	32	0
NCA 01_Res_2888	0	54	39	35	0	39	25	0
NCA 09_Res_6015	0	0	55	51	34	38	30	0
NCA 02_Res_2625	0	56	49	35	0	40	51	0
NCA 02_Res_3603	0	54	45	33	0	41	46	0
NCA 13_Res_6016	0	0	32	10	0	0	0	0
NCA 13_Res_6017	0	0	21	0	0	0	0	0
NCA 02_Res_3860	14	60	44	32	0	44	44	0
NCA 02_Res_4170	19	59	46	35	0	43	45	0
NCA 02_Res_3107	-1	71	57	38	0	45	45	0
NCA 10_Res_6018	0	0	47	43	0	43	41	0
NCA 11_Res_6019	0	0	45	32	0	34	35	0
NCA 11_Res_6020	0	0	45	34	0	36	37	0
NCA 11_Res_6021	0	0	68	33	0	36	36	0
NCA 10_Res_6022	0	0	52	51	20	49	52	0
NCA 07_Res_7020	0	36	56	54	34	50	39	35
NCA 07_Res_6023	0	55	52	52	29	41	45	53
NCA 07_Res_6024	0	51	54	54	22	41	50	54
NCA 04_Res_2096	45	61	48	31	0	39	34	42
NCA 04_Res_3748	52	67	54	39	0	38	44	35
NCA 06_Res_3344	16	71	62	60	0	43	47	56
NCA 02_Res_3090	10	80	57	47	0	69	53	0
NCA 02_Res_4808	11	73	55	44	0	60	48	0
NCA 05_Res_1582	22	70	54	24	0	38	32	41
NCA 05_Res_3377	14	68	54	27	0	42	35	44
NCA 01_Res_4511	0	53	41	24	0	38	31	0
NCA 01_Res_5063	0	54	42	26	0	39	30	0
NCA 01_Res_4878	0	54	41	26	0	38	29	0
NCA 03_Com_2925	13	62	40	21	0	44	28	0
NCA 03_Res_1695	25	71	56	30	0	50	34	0
NCA 03_Res_4124	21	69	55	28	0	49	33	0
NCA 01_Res_2693	0	74	55	56	0	56	32	0
NCA 01_Res_3874	0	66	50	49	0	50	25	0
NCA 07_Res_6025	0	41	50	47	28	47	34	36
NCA 02_Res_1746	3	78	63	41	0	54	44	0
NCA 11_Res_6026	0	0	68	56	0	46	43	0
NCA 04_Res_1529	24	60	48	36	0	41	40	39
NCA 04_Res_4101	22	57	45	31	0	38	36	35
NCA 03_Res_1930	15	60	44	25	0	42	37	0
NCA 03_Res_3506	28	61	49	35	0	41	39	37
NCA 06_Res_1242	6	74	63	54	0	57	49	50
NCA 06_Res_3244	17	88	77	62	0	68	59	60
NCA 07_Res_6027	0	39	49	47	34	46	37	36
NCA 04_Res_4695	27	57	46	37	0	39	39	37
NCA 07_Res_6028	0	48	47	44	28	45	40	43

NCA 07_Res_6029	0	32	44	43	21	42	29	30
NCA 04_Res_1704	54	69	64	33	0	36	37	30
NCA 07_Res_6030	0	45	69	68	18	33	33	44
NCA 07_Res_6031	0	42	58	58	27	35	31	41
NCA 01_Res_2378	0	67	54	28	0	49	35	0
NCA 07_Res_6032	0	55	54	55	27	39	45	52
NCA 07_Res_6033	0	56	54	55	25	41	45	52
NCA 13_Res_6034	0	0	30	10	0	16	0	0
NCA 13_Res_6035	0	0	27	8	0	10	0	0
NCA 10_Res_6036	0	0	51	49	14	48	55	0
NCA 08_CCC_6037	0	29	42	42	44	38	33	32
NCA 10_CCC_6038	0	0	49	45	22	61	49	0
NCA 10_CCC_6039	0	0	55	56	21	63	60	0
NCA 11_Res_6040	0	0	43	30	0	31	31	0
NCA 07_Res_6041	0	54	60	60	19	46	40	48
NCA 07_Res_6042	0	53	58	58	23	50	39	47
NCA 01_Res_2466	0	45	41	28	0	60	16	0
NCA 01_Res_3979	0	53	53	28	0	52	19	0
NCA 08_Res_6043	0	44	53	49	21	48	34	40
NCA 03_Res_1408	26	63	50	34	0	41	35	0
NCA 10_POW_6044	0	0	42	37	27	41	39	0
NCA 10_Res_6045	0	0	41	38	26	42	40	0
NCA 10_Res_6046	0	0	38	35	26	38	35	0
NCA 02_Res_2344	0	67	58	39	0	38	39	0
NCA 02_Res_3980	0	62	49	35	0	42	41	0
NCA 11_Res_6047	0	0	50	36	0	38	37	0
NCA 11_Res_6048	0	0	44	32	0	34	34	0
NCA 02_Res_1870	7	70	54	40	0	46	46	0
NCA 11_Res_6049	0	0	61	36	0	37	37	0
NCA 11_Res_6050	0	0	50	28	0	30	30	0
NCA 04_Res_1671	34	65	53	47	0	36	49	39
NCA 04_Res_4171	41	67	55	51	0	36	54	33
NCA 04_Res_2542	42	64	53	46	0	36	48	39
NCA 03_Res_3325	15	55	42	23	0	36	33	0
NCA 03_Res_3391	14	55	41	24	0	36	33	0
NCA 01_Res_2495	0	53	40	33	0	41	32	0
NCA 01_Res_2255	0	49	37	28	0	37	31	0
NCA 01_Ind_1159	0	58	51	38	0	51	26	0
NCA 06_Res_5117	0	85	73	66	0	60	64	79
NCA 10_Res_6051	0	0	45	43	14	43	44	0
NCA 10_Res_6052	0	0	51	48	12	48	52	0
NCA 09_Res_6053	0	0	49	48	47	29	24	0
NCA 04_Res_2037	41	61	49	42	0	38	46	36
NCA 04_Res_3421	40	58	47	38	0	35	42	36
NCA 06_Res_1636	20	56	45	40	0	37	35	47
NCA 06_Res_4300	14	59	47	43	0	43	36	47
NCA 05_Res_3245	15	69	57	29	0	50	32	41
NCA 05_Res_3672	17	69	55	25	0	46	32	41
NCA 11_Res_6054	0	0	59	37	0	38	38	0
NCA 01_Res_3607	0	65	53	29	0	50	36	0
NCA 01_Res_3562	0	74	60	36	0	56	39	0
NCA 08_Res_6055	0	40	52	47	30	46	49	38
NCA 09_Res_6056	0	0	39	38	24	35	28	0

NCA 09_Res_6057	0	0	36	34	24	34	30	0
NCA 03_Res_3477	31	64	52	36	0	45	39	33
NCA 03_Res_2116	31	66	54	37	0	46	39	32
NCA 08_Res_6058	0	42	54	52	31	52	57	39
NCA 04_Res_3851	47	62	52	28	0	34	33	37
NCA 02_Res_2738	0	57	48	28	0	41	35	0
NCA 02_Res_3940	0	52	42	31	0	37	38	0
NCA 02_Res_1710	9	81	69	53	0	42	67	0
NCA 02_Res_3361	14	65	55	36	0	40	48	0
NCA 01_Res_4277	0	66	48	45	0	48	27	0
NCA 01_Res_3960	0	62	45	43	0	45	35	0
NCA 11_Res_6059	0	0	43	23	0	24	24	0
NCA 04_Res_2054	44	68	56	52	0	41	55	39
NCA 07_Res_6060	0	56	47	44	26	41	42	51
NCA 06_Res_1530	0	77	67	65	0	60	57	73
NCA 10_Res_6061	0	0	66	62	16	61	67	0
NCA 01_Res_4438	0	52	39	24	0	37	31	0
NCA 01_Res_4892	0	53	41	27	0	38	29	0
NCA 06_Com_4401	16	62	45	30	0	45	33	47
NCA 05_Res_3438	15	63	48	28	0	42	38	46
NCA 05_Res_3764	16	60	47	26	0	40	35	44
NCA 09_Res_6062	0	0	47	50	24	40	35	0
NCA 09_Res_6063	0	0	70	66	37	63	46	0
NCA 09_Res_6064	0	0	63	61	36	56	32	0
NCA 07_Res_6065	0	40	57	55	28	53	35	34
NCA 09_Res_6066	0	0	47	45	26	45	37	0
NCA 09_Res_6067	0	0	45	42	26	43	36	0
NCA 09_Res_6068	0	0	43	42	27	41	35	0
NCA 09_Res_6069	0	0	46	43	26	44	37	0
NCA 04_Res_1691	31	58	51	36	0	39	37	39
NCA 02_Res_1451	21	83	58	47	0	66	54	0
NCA 02_Res_3065	16	66	50	37	0	47	46	0
NCA 05_Res_2940	16	80	71	38	0	56	47	54
NCA 05_Res_3827	15	70	57	29	0	43	37	47
NCA 10_Com_6070	0	0	60	55	12	61	57	0
NCA 04_Res_3683	44	62	50	32	0	32	36	32
NCA 04_Res_3218	37	57	45	29	0	31	32	30
NCA 03_Res_3280	27	56	45	35	0	38	40	37
NCA 10_Res_6071	0	0	48	36	0	39	39	0
NCA 10_Res_6072	0	0	49	38	0	45	47	0
NCA 05_Res_1573	13	58	46	30	0	40	33	45
NCA 05_Res_3138	16	63	49	34	0	46	45	50
NCA 11_Res_6073	0	0	66	47	0	59	53	0
NCA 10_Res_6074	0	0	48	47	24	46	52	0
NCA 13_Res_6075	0	0	36	5	0	15	0	0
NCA 13_Res_6076	0	0	32	21	0	24	25	0
NCA 01_Res_4895	0	60	47	31	0	44	34	0
NCA 01_Res_4911	0	53	40	26	0	37	31	0
NCA 11_Res_6077	0	0	54	48	0	51	43	0
NCA 08_Res_6078	0	38	52	47	25	47	53	37
NCA 04_Res_3338	32	74	64	59	0	43	64	37
NCA 04_Res_3462	28	63	52	43	0	43	50	35
NCA 10_Res_6079	0	0	60	59	26	56	43	0

NCA 03_Res_3162	21	62	46	28	0	43	34	34
NCA 03_Res_4090	17	60	44	27	0	42	35	34
NCA 02_Res_1442	14	70	48	30	0	41	38	0
NCA 02_Res_1219	13	63	48	33	0	40	40	0
NCA 05_Res_4240	21	63	48	29	0	37	31	41
NCA 09_EDU_6080	0	0	48	46	31	40	37	0
NCA 09_EDU_6081	0	0	42	40	33	37	35	0
NCA 03_Res_1308	20	75	62	27	0	54	32	0
NCA 02_Res_4169	11	69	56	50	0	36	51	0
NCA 02_Res_3848	9	79	66	57	0	39	68	0
NCA 02_Res_1861	20	60	45	32	0	41	37	0
NCA 02_Res_3990	7	58	44	30	0	38	37	0
NCA 02_Res_1562	0	59	45	34	0	36	33	0
NCA 02_Res_3183	0	61	48	33	0	39	36	0
NCA 06_Res_3723	10	76	67	65	0	44	50	62
NCA 06_Res_4181	2	82	77	73	0	52	53	68
NCA 11_Res_6082	0	0	69	37	0	39	39	0
NCA 11_Res_6083	0	0	78	54	0	48	48	0
NCA 09_Res_6084	0	0	44	47	23	36	33	0
NCA 11_Res_6085	0	0	51	44	0	48	51	0
NCA 10_Res_6086	0	0	59	59	16	56	59	0
NCA 08_Res_6087	0	38	53	48	30	47	49	37
NCA 12_Com_6088	0	0	37	31	0	33	33	0
NCA 12_Com_6089	0	0	36	26	0	30	29	0
NCA 10_Res_6090	0	0	51	50	33	48	50	0
NCA 13_Res_6091	0	0	30	0	0	0	0	0
NCA 13_Res_6092	0	0	30	0	0	0	0	0
NCA 07_Res_6093	0	42	42	39	19	38	32	39
NCA 07_Res_6094	0	38	42	40	18	39	29	36
NCA 02_Res_2916	14	76	66	52	0	51	58	0
NCA 13_Res_6095	0	0	33	8	0	24	0	0
NCA 04_Res_3066	31	71	60	55	0	42	62	28
NCA 11_Res_6096	0	0	57	38	0	38	38	0
NCA 10_Res_6097	0	0	46	45	30	42	34	0
NCA 07_Res_6098	0	46	47	44	35	44	39	40
NCA 08_Res_6099	0	35	48	45	27	45	39	33
NCA 10_Res_6100	0	0	42	36	23	38	38	0
NCA 06_Res_3052	26	55	41	29	0	39	33	44
NCA 06_Res_3345	15	52	39	27	0	39	34	44
NCA 08_Res_6101	0	30	46	43	27	44	47	32
NCA 02_Res_3554	0	72	68	60	0	45	55	0
NCA 02_Res_4178	0	75	71	60	0	48	58	0
NCA 07_Res_6102	0	44	63	62	29	59	41	41
NCA 07_Res_6103	0	43	71	69	37	66	48	40
NCA 10_Res_6104	0	0	67	62	24	62	69	0
NCA 07_Res_6105	0	42	42	41	31	40	36	39
NCA 08_Res_6106	0	41	70	70	43	69	63	38
NCA 07_Res_6107	0	47	69	69	18	33	35	45
NCA 07_Res_6108	0	47	53	54	27	38	37	45
NCA 09_Res_6109	0	0	39	38	25	36	30	0
NCA 03_Res_3387	37	79	69	56	0	57	60	32
NCA 11_Res_6110	0	0	71	37	0	37	37	0
NCA 10_Res_6111	0	0	53	53	25	51	40	0

NCA 08_Res_6112	0	45	51	48	32	48	44	37
NCA 08_Res_6113	0	29	45	44	31	45	39	29
NCA 01_Res_2335	0	60	49	40	0	49	27	0
NCA 07_Res_6114	0	43	57	56	31	53	36	37
NCA 08_Res_6115	0	17	37	37	33	43	29	23
NCA 08_Res_6116	0	36	51	49	32	49	41	36
NCA 10_EDU_6117	0	0	67	63	24	62	64	0
NCA 10_EDU_6118	0	0	64	62	10	60	61	0
NCA 10_EDU_6119	0	0	73	72	15	68	62	0
NCA 10_EDU_6120	0	0	64	63	21	60	61	0
NCA 10_EDU_6121	0	0	56	54	11	53	55	0
NCA 01_Res_4933	0	61	50	33	0	45	42	0
NCA 01_Res_2370	0	60	50	39	0	44	46	0
NCA 01_Res_2465	0	62	51	37	0	45	45	0
NCA 11_Res_6122	0	0	70	58	0	65	66	0
NCA 10_Res_6123	0	0	46	42	0	43	45	0
NCA 07_Res_6124	0	63	59	57	29	48	57	60
NCA 07_Res_6125	0	63	59	58	22	46	55	60
NCA 13_Res_6126	0	0	30	0	0	0	0	0
NCA 13_Res_6127	0	0	32	0	0	0	0	0
NCA 01_Res_3558	0	57	44	27	0	41	33	0
NCA 01_Res_3944	0	56	44	27	0	40	32	0
NCA 10_Com_6128	0	0	50	48	28	59	52	0
NCA 10_Com_6129	0	0	40	37	16	43	39	0
NCA 03_Res_2710	21	75	50	35	0	54	38	0
NCA 08_Res_6130	0	28	44	43	43	41	35	33
NCA 07_Res_6131	0	45	55	53	29	51	36	37
NCA 13_Res_6132	0	0	27	9	0	0	0	0
NCA 02_Res_2252	0	57	44	29	0	40	44	0
NCA 02_Res_3630	0	57	46	32	0	39	45	0
NCA 01_Res_4478	0	67	52	39	0	48	25	0
NCA 07_Res_6133	0	41	44	42	28	42	35	38
NCA 07_Res_6134	0	37	43	40	17	40	31	36
NCA 06_Res_3181	0	53	43	39	0	39	35	46
NCA 05_Res_1960	12	64	51	32	0	45	35	48
NCA 05_Res_3294	11	65	51	27	0	46	35	44
NCA 09_Res_6135	0	0	54	54	23	49	34	0
NCA 10_Res_6136	0	0	49	46	34	45	51	0
NCA 07_Res_6137	0	63	58	57	29	48	57	63
NCA 11_Res_6138	0	0	55	49	0	51	44	0
NCA 11_Res_6139	0	0	64	53	0	39	38	0
NCA 08_Res_6140	0	0	62	64	67	50	41	0
NCA 06_Res_1440	2	51	39	33	0	36	30	39
NCA 07_Com_6141	0	47	44	42	14	35	32	42
NCA 10_Res_6142	0	0	45	41	0	40	41	0
NCA 10_Res_6143	0	0	42	37	0	37	39	0
NCA 07_Res_6144	0	52	49	47	14	35	38	46
NCA 07_Res_6145	0	38	38	37	14	31	28	38
NCA 07_Res_6146	0	43	41	39	15	32	33	42
NCA 10_Res_6147	0	0	57	57	15	54	57	0
NCA 06_Com_1167	15	83	72	66	0	60	53	61
NCA 06_Res_3780	14	88	77	67	0	62	56	63
NCA 13_Res_6148	0	0	32	10	0	0	0	0

NCA 08_Res_6149	0	0	44	44	48	37	31	0
NCA 09_Res_6150	0	0	51	50	36	45	30	0
NCA 11_Res_6151	0	0	61	37	0	39	38	0
NCA 11_Res_7527	0	0	60	37	0	39	38	0
NCA 06_Res_2996	12	57	45	37	0	41	34	46
NCA 06_Res_1972	14	59	47	41	0	42	37	49
NCA 05_Res_1925	12	63	51	34	0	47	43	49
NCA 05_Res_3759	11	63	50	36	0	48	44	52
NCA 11_Res_6152	0	0	52	42	0	44	44	0
NCA 09_EDU_6153	0	0	50	48	38	34	30	0
NCA 09_EDU_6154	0	0	38	37	29	29	24	0
NCA 09_EDU_6155	0	0	45	43	38	32	27	0
NCA 09_EDU_6156	0	0	56	54	43	48	43	0
NCA 09_EDU_6157	0	0	54	52	42	48	42	0
NCA 11_Res_6158	0	0	47	33	0	35	34	0
NCA 08_Res_6159	0	44	57	50	35	49	42	40
NCA 08_Res_6160	0	42	54	50	26	49	36	39
NCA 02_Res_1395	0	52	41	28	0	37	37	0
NCA 02_Res_4005	0	53	42	28	0	37	36	0
NCA 03_Res_4702	14	60	44	21	0	41	29	0
NCA 02_Res_4745	12	53	42	25	0	35	34	0
NCA 02_Res_4661	16	54	46	27	0	35	34	0
NCA 02_Res_5031	11	53	42	25	0	34	35	0
NCA 02_Res_1523	12	62	46	30	0	42	40	0
NCA 04_Res_1754	24	61	44	26	0	39	34	41
NCA 04_Res_4081	27	58	45	27	0	40	35	41
NCA 07_Res_6161	0	45	52	49	24	48	35	41
NCA 01_Res_1172	0	84	76	75	0	68	34	0
NCA 01_Res_3968	0	85	80	37	0	67	39	0
NCA 01_Res_2595	0	83	79	38	0	64	39	0
NCA 02_Res_2281	0	58	50	33	0	43	42	0
NCA 06_Res_1463	1	53	42	37	0	38	33	43
NCA 06_Res_2944	7	59	51	44	0	44	40	49
NCA 08_Res_6162	0	0	53	49	54	37	28	0
NCA 08_Res_6163	0	0	58	53	57	37	29	0
NCA 10_Res_6164	0	0	47	45	0	44	45	0
NCA 03_Res_1846	19	59	45	29	0	41	37	0
NCA 03_Res_4217	18	54	42	24	0	37	31	0
NCA 10_Res_6165	0	0	56	55	24	52	58	0
NCA 03_Res_1528	39	78	67	61	0	55	65	38
NCA 04_Res_3272	43	62	50	42	0	36	45	39
NCA 02_Res_3492	16	83	71	54	0	49	68	0
NCA 02_Res_4156	14	65	53	35	0	43	48	0
NCA 02_Res_3853	15	59	43	27	0	40	35	0
NCA 02_Res_4153	15	55	42	26	0	38	34	0
NCA 06_Res_1686	11	71	62	60	0	41	40	51
NCA 06_Res_3153	7	80	74	70	0	45	47	59
NCA 11_Res_6166	0	0	45	39	0	40	42	0
NCA 03_Res_3507	23	78	69	32	0	57	37	33
NCA 03_Res_3496	19	75	58	30	0	51	35	29
NCA 05_Res_4570	14	80	70	45	0	62	56	57
NCA 06_Res_5144	0	72	68	67	0	61	70	77
NCA 06_Res_2107	14	64	54	45	0	46	44	44

NCA 05_Res_1830	13	80	66	37	0	59	47	52
NCA 05_Res_2036	13	82	68	42	0	61	49	56
NCA 10_Res_6167	0	0	56	52	16	51	56	0
NCA 10_Res_6168	0	0	43	42	26	50	42	0
NCA 08_Res_6169	0	35	54	53	28	52	51	36
NCA 07_Res_6170	0	39	50	48	27	48	37	35
NCA 07_Res_6171	0	40	44	43	23	42	32	36
NCA 01_Res_4382	0	55	42	31	0	38	37	0
NCA 01_Res_4863	0	54	40	25	0	36	31	0
NCA 09_Res_6172	0	0	56	56	36	48	37	0
NCA 09_Res_6173	0	0	53	54	36	46	33	0
NCA 03_Res_1482	25	65	51	35	0	44	37	31
NCA 03_Res_3264	28	61	49	30	0	42	35	26
NCA 10_Res_6174	0	0	43	39	0	41	41	0
NCA 10_Res_6175	0	0	35	33	26	40	35	0
NCA 04_Res_1753	49	64	53	44	0	40	48	40
NCA 04_Res_3998	49	67	55	50	0	41	54	40
NCA 07_Res_6176	0	29	49	45	28	45	38	28
NCA 13_Res_6177	0	0	24	14	0	21	24	0
NCA 04_Res_3670	37	62	51	37	0	39	41	36
NCA 04_Res_4060	33	59	47	32	0	33	35	35
NCA 02_Res_2148	0	67	57	51	0	49	50	0
NCA 10_Res_6178	0	0	49	47	15	45	49	0
NCA 10_Res_6179	0	0	52	49	15	49	56	0
NCA 13_Res_6180	0	0	32	13	0	0	0	0
NCA 02_Res_4871	0	55	45	33	0	39	40	0
NCA 02_Res_3901	0	83	70	53	0	42	49	0
NCA 02_Res_3751	0	93	84	52	0	44	51	0
NCA 01_Res_2343	0	63	49	31	0	46	35	0
NCA 01_Res_4199	0	60	47	28	0	44	33	0
NCA 02_Res_4850	0	59	48	34	0	40	45	0
NCA 02_Res_5064	0	63	50	37	0	40	45	0
NCA 04_Res_3228	34	57	45	31	0	35	36	39
NCA 04_Res_1366	40	64	52	34	0	36	38	36
NCA 03_Res_3758	10	62	53	34	0	40	38	0
NCA 03_Res_4099	17	61	50	31	0	42	37	0
NCA 13_Res_6181	0	0	33	12	0	0	0	0
NCA 13_Res_6182	0	0	34	15	0	0	0	0
NCA 07_Res_6183	0	43	61	57	31	56	36	41
NCA 07_Res_6184	0	47	74	69	29	69	43	41
NCA 07_Res_6185	0	45	73	69	32	69	41	39
NCA 07_Res_6186	0	47	67	65	32	64	37	41
NCA 07_Res_6187	0	46	55	52	31	51	37	42
NCA 06_Res_2167	0	70	60	57	0	44	44	61
NCA 05_Com_1358	13	75	60	40	0	53	48	51
NCA 05_Res_2997	16	65	50	29	0	43	36	46
NCA 07_Res_6188	0	58	51	50	23	41	44	58
NCA 09_Res_6189	0	0	47	46	42	29	24	0
NCA 07_Res_6190	0	47	49	48	29	46	36	32
NCA 11_Res_6191	0	0	42	34	0	37	35	0
NCA 02_Res_2258	0	52	43	38	0	37	36	0
NCA 02_Res_3640	0	55	47	40	0	42	42	0
NCA 10_Res_6192	0	0	56	52	14	51	55	0

NCA 02_Res_2703	0	54	48	39	0	40	50	0
NCA 11_Res_6193	0	0	43	35	0	37	36	0
NCA 01_Res_1008	0	58	45	27	0	42	33	0
NCA 06_Res_5154	0	68	57	54	0	48	55	67
NCA 12_Com_6194	0	0	36	32	0	34	34	0
NCA 12_Com_6195	0	0	27	15	0	17	17	0
NCA 01_Ind_4371	0	60	54	42	0	55	24	0
NCA 10_POW_6196	0	0	42	38	0	39	40	0
NCA 02_Res_4207	0	79	68	51	0	47	64	0
NCA 02_Res_2875	0	72	65	56	0	46	64	0
NCA 07_Res_6197	0	58	48	47	23	40	43	52
NCA 09_Res_6198	0	0	45	47	27	38	31	0
NCA 08_Res_6199	0	47	47	45	19	43	34	41
NCA 03_Res_2929	27	67	55	37	0	48	38	30
NCA 03_Res_4093	27	60	48	37	0	42	38	30
NCA 04_Res_1941	27	61	42	23	0	37	31	40
NCA 04_Res_3456	24	58	43	25	0	39	34	42
NCA 13_Res_6200	0	0	30	4	0	0	0	0
NCA 13_Res_6201	0	0	36	14	0	0	0	0
NCA 13_Res_6202	0	0	30	11	0	0	0	0
NCA 13_Res_6203	0	0	32	14	0	0	0	0
NCA 05_Res_3209	16	64	51	36	0	49	44	52
NCA 05_Res_1252	14	57	44	26	0	39	33	42
NCA 07_Res_6204	0	44	69	69	20	36	38	44
NCA 07_Res_6205	0	55	54	53	22	40	46	51
NCA 08_Res_6206	0	47	46	44	21	43	34	41
NCA 04_Res_2043	38	61	49	42	0	38	45	37
NCA 01_Res_3594	0	66	53	30	0	48	38	0
NCA 08_Res_6207	0	42	45	43	23	42	39	39
NCA 10_Res_6208	0	0	70	65	36	64	54	0
NCA 01_Res_3972	0	57	49	41	0	46	26	0
NCA 01_Res_3877	0	55	44	36	0	46	25	0
NCA 11_Res_6209	0	0	69	26	0	25	25	0
NCA 11_Res_6210	0	0	43	33	0	37	37	0
NCA 11_Res_6211	0	0	45	36	0	38	37	0
NCA 03_Res_1597	16	56	44	24	0	37	30	31
NCA 03_Res_1478	18	90	69	32	0	65	41	0
NCA 09_Res_6212	0	0	49	47	25	46	40	0
NCA 09_Res_6213	0	0	53	54	25	44	36	0
NCA 03_Res_2541	25	72	55	34	0	50	38	0
NCA 03_Res_4046	20	58	45	27	0	40	32	0
NCA 02_Res_2654	0	75	63	57	0	45	50	0
NCA 02_Res_3290	0	54	43	29	0	35	31	0
NCA 02_Res_4048	0	52	41	27	0	34	35	0
NCA 10_Res_6214	0	0	69	64	18	64	62	0
NCA 07_Res_6215	0	38	51	48	30	47	39	36
NCA 07_Res_6216	0	41	58	54	33	53	33	36
NCA 02_Res_3533	0	54	45	29	0	41	34	0
NCA 02_Res_4937	0	56	46	29	0	42	34	0
NCA 02_Res_3634	0	60	52	30	0	44	38	0
NCA 11_Res_6217	0	0	60	41	0	39	40	0
NCA 11_Res_6218	0	0	69	55	0	49	46	0
NCA 10_Res_6219	0	0	45	42	22	43	40	0

NCA 10_Res_6220	0	0	42	40	22	41	40	0
NCA 10_Res_6221	0	0	44	42	24	41	36	0
NCA 10_Res_6222	0	0	41	39	25	40	37	0
NCA 10_Res_6223	0	0	40	38	22	40	39	0
NCA 02_Res_1580	21	68	57	47	0	54	53	0
NCA 02_Res_3312	9	78	58	48	0	66	54	0
NCA 03_Res_3208	23	70	53	35	0	51	39	0
NCA 03_Res_4053	16	75	45	25	0	56	31	0
NCA 13_Res_6224	0	0	34	14	0	0	0	0
NCA 13_Res_6225	0	0	31	11	0	0	0	0
NCA 04_Res_1633	35	56	45	37	0	32	39	35
NCA 04_Res_3179	33	53	42	32	0	31	36	32
NCA 07_Res_6226	0	57	49	50	29	42	43	51
NCA 01_Res_3604	0	77	64	33	0	59	39	0
NCA 01_Res_2165	0	72	59	28	0	54	33	0
NCA 02_Res_3130	11	59	43	28	0	40	36	0
NCA 05_Res_1643	12	57	46	37	0	47	39	53
NCA 05_Res_3743	9	53	41	29	0	43	37	48
NCA 05_Res_3000	10	53	41	29	0	42	36	48
NCA 11_Res_6227	0	0	68	30	0	33	32	0
NCA 11_Res_6228	0	0	63	44	0	29	30	0
NCA 02_Res_1824	11	60	50	29	0	30	41	0
NCA 02_Res_1460	19	85	72	58	0	50	71	0
NCA 03_Res_5068	25	63	50	32	0	44	37	27
NCA 03_Res_4455	33	63	51	37	0	44	40	36
NCA 05_Res_2714	17	69	54	36	0	49	45	49
NCA 05_Res_3707	16	60	47	28	0	41	36	45
NCA 07_Res_6229	0	43	62	60	32	57	38	35
NCA 06_Res_2019	20	54	45	40	0	38	36	47
NCA 06_Res_4041	7	59	48	41	0	42	36	47
NCA 09_Res_6230	0	0	41	40	32	38	32	0
NCA 07_Res_6231	0	47	44	42	20	41	34	41
NCA 01_Res_2316	0	59	47	31	0	44	36	0
NCA 01_Res_2873	0	57	46	31	0	42	36	0
NCA 02_Res_3114	21	82	59	46	0	59	55	0
NCA 02_Res_3702	21	75	55	43	0	46	50	0
NCA 06_Res_1138	16	67	54	44	0	49	41	48
NCA 01_Res_4278	0	59	46	29	0	43	33	0
NCA 01_Res_3977	0	59	47	31	0	43	34	0
NCA 01_Res_2881	0	60	47	32	0	44	34	0
NCA 01_Res_3868	0	76	50	40	0	60	27	0
NCA 01_Res_3559	0	87	60	60	0	73	35	0
NCA 04_Res_4302	33	63	52	38	0	42	42	40
NCA 04_Res_4126	29	56	46	34	0	34	35	38
NCA 02_Res_2290	0	54	44	28	0	39	35	0
NCA 13_Res_6232	0	0	34	10	0	18	0	0
NCA 13_Res_6233	0	0	36	15	0	26	0	0
NCA 10_Res_6234	0	0	69	65	19	64	62	0
NCA 08_Res_6235	0	41	58	54	39	53	59	37
NCA 13_Res_6236	0	0	25	3	0	15	0	0
NCA 02_Res_4896	0	52	43	33	0	38	35	0
NCA 06_Res_3199	5	57	36	29	0	40	27	39
NCA 03_Res_4347	24	77	64	43	0	53	48	31

NCA 09_Res_6237	0	0	44	46	25	38	33	0
NCA 10_Res_6238	0	0	41	38	24	42	41	0
NCA 03_Res_1311	27	72	57	37	0	48	40	0
NCA 03_Res_3689	26	76	60	37	0	57	41	0
NCA 03_Res_1450	14	61	51	27	0	40	39	0
NCA 03_Res_3056	14	69	63	32	0	45	48	0
NCA 10_Res_6239	0	0	51	50	24	47	54	0
NCA 08_Res_6240	0	0	58	59	63	40	26	0
NCA 08_Res_6241	0	0	57	60	63	42	31	0
NCA 07_Res_6242	0	46	44	42	21	41	35	41
NCA 07_Res_6243	0	43	48	47	18	34	32	42
NCA 04_Res_1782	26	63	53	39	0	44	44	34
NCA 04_Res_4042	24	62	53	47	0	42	53	36
NCA 06_Res_4982	6	51	39	30	0	36	29	38
NCA 06_Res_4637	9	54	42	35	0	38	32	42
NCA 05_Res_2023	17	64	50	27	0	42	35	45
NCA 02_Res_4712	-2	55	41	25	0	41	35	0
NCA 02_Res_5017	3	61	50	24	0	42	30	0
NCA 10_Res_6244	0	0	52	51	24	50	39	0
NCA 10_Res_6245	0	0	44	42	33	41	33	0
NCA 10_Res_6246	0	0	42	40	31	38	33	0
NCA 10_Res_6247	0	0	53	52	31	50	36	0
NCA 10_Res_6248	0	0	44	42	35	41	34	0
NCA 10_Res_6249	0	0	43	41	35	38	33	0
NCA 08_Res_6250	0	0	44	45	50	39	27	0
NCA 08_Res_6251	0	0	42	43	48	42	31	0
NCA 08_Res_6252	0	0	47	50	54	38	32	0
NCA 08_Res_6253	0	0	51	53	57	42	29	0
NCA 08_Res_6254	0	0	43	46	50	40	28	0
NCA 08_Res_6255	0	0	56	59	63	41	29	0
NCA 02_Res_2549	8	65	52	46	0	38	48	0
NCA 02_Res_3237	7	62	45	26	0	42	34	0
NCA 01_Res_2805	0	70	59	31	0	53	40	0
NCA 01_Res_3523	0	77	66	33	0	58	40	0
NCA 07_Res_6256	0	44	55	55	33	54	36	40
NCA 11_Res_6257	0	0	51	30	0	32	32	0
NCA 03_Res_1591	22	64	48	29	0	44	34	0
NCA 03_Res_3382	21	64	47	28	0	43	34	0
NCA 07_Res_6258	0	42	59	59	33	57	36	39
NCA 01_Res_3584	0	64	50	35	0	48	36	0
NCA 09_Res_6259	0	0	41	40	36	37	31	0
NCA 07_Res_6260	0	59	65	55	0	47	57	63
NCA 07_Res_6261	0	41	63	61	29	59	40	36
NCA 05_Res_3856	24	70	55	35	0	49	45	49
NCA 02_Res_2566	0	56	51	37	0	37	55	0
NCA 02_Res_4214	0	53	44	31	0	39	45	0
NCA 02_Res_5048	0	54	45	31	0	40	43	0
NCA 07_Res_6262	0	56	49	47	13	38	41	50
NCA 07_Res_6263	0	51	57	56	17	40	38	48
NCA 11_Res_6264	0	0	50	38	0	42	41	0
NCA 01_Res_2655	0	68	57	48	0	47	50	0
NCA 01_Res_3593	0	65	55	42	0	47	46	0
NCA 09_Res_6265	0	0	47	45	30	43	38	0

NCA 09_Res_6266	0	0	47	46	25	44	39	0
NCA 07_Res_6267	0	46	44	42	22	41	35	41
NCA 10_Res_6268	0	0	46	43	24	46	44	0
NCA 11_Res_6269	0	0	64	62	12	61	65	0
NCA 03_Res_2196	16	57	41	24	0	39	33	0
NCA 03_Res_1443	35	67	56	48	0	46	51	36
NCA 11_Res_6270	0	0	73	38	0	39	39	0
NCA 01_Res_3913	0	53	40	31	0	39	33	0
NCA 01_Res_2727	0	63	54	40	0	46	48	0
NCA 01_Res_3967	0	59	48	32	0	43	41	0
NCA 09_Res_6272	0	0	48	50	24	41	35	0
NCA 07_Res_6273	0	42	43	41	19	40	32	39
NCA 01_Res_2234	0	63	49	34	0	46	40	0
NCA 01_Res_5050	0	55	43	29	0	39	35	0
NCA 03_Res_1452	22	72	52	34	0	52	38	0
NCA 01_Res_3893	0	55	42	31	0	44	29	0
NCA 01_Res_2499	0	69	53	53	0	52	27	0
NCA 04_Res_1792	50	64	52	38	0	40	41	43
NCA 07_Res_6274	0	48	51	50	21	36	35	44
NCA 09_Res_6275	0	0	51	48	32	38	30	0
NCA 09_Res_6276	0	0	60	55	34	45	36	0
NCA 07_Res_6277	0	42	50	49	28	47	30	38
NCA 07_Res_6278	0	33	43	41	26	41	37	32
NCA 06_Com_4475	10	59	39	30	0	45	33	47
NCA 08_Res_6279	0	28	44	43	44	40	36	33
NCA 01_Res_2704	0	79	56	41	0	64	35	0
NCA 01_Res_3628	0	86	58	53	0	72	36	0
NCA 13_Res_6280	0	0	27	6	0	0	0	0
NCA 13_Res_6281	0	0	34	11	0	0	0	0
NCA 13_Res_6282	0	0	29	6	0	10	10	0
NCA 13_Res_6283	0	0	29	10	0	23	18	0
NCA 08_Res_6284	0	11	45	45	46	43	32	25
NCA 11_Res_6285	0	0	50	40	0	47	44	0
NCA 11_Res_6286	0	0	46	37	0	40	41	0
NCA 11_Res_6287	0	0	62	35	0	58	39	0
NCA 09_EDU_6288	0	0	42	40	32	35	26	0
NCA 09_EDU_6289	0	0	42	39	30	37	33	0
NCA 03_Res_4015	14	54	41	25	0	36	34	0
NCA 01_Res_2611	0	60	48	33	0	45	39	0
NCA 01_Res_3975	0	59	48	33	0	45	40	0
NCA 03_Res_2719	15	57	44	29	0	39	37	0
NCA 03_Res_3333	23	56	46	27	0	37	34	0
NCA 03_Res_4339	12	57	43	29	0	42	35	0
NCA 03_Res_4323	12	56	43	27	0	38	33	0
NCA 03_Res_4332	11	58	42	29	0	40	37	0
NCA 03_Res_4334	12	55	42	27	0	37	34	0
NCA 03_Res_4337	14	58	48	31	0	36	37	0
NCA 03_Res_1761	22	55	43	27	0	38	35	0
NCA 03_Res_4232	15	57	42	26	0	39	34	0
NCA 11_Res_6290	0	0	75	60	0	69	69	0
NCA 11_Res_6291	0	0	78	65	0	70	71	0
NCA 07_Com_6292	0	40	38	36	19	32	29	38
NCA 02_Res_3978	0	67	67	52	0	47	68	0

NCA 02_Res_3606	0	72	86	59	0	50	82	0
NCA 07_Res_6293	0	48	46	45	19	36	32	43
NCA 09_Res_6294	0	0	51	52	40	35	26	0
NCA 03_Res_1880	24	69	56	32	0	49	37	33
NCA 03_Res_3157	26	60	49	35	0	41	37	28
NCA 10_Res_6295	0	0	69	68	19	64	70	0
NCA 02_Res_1436	0	68	57	47	0	40	42	0
NCA 08_Res_6296	0	45	50	44	29	44	37	39
NCA 10_Res_6297	0	0	42	40	21	39	31	0
NCA 07_Res_6298	0	55	64	64	25	38	41	49
NCA 07_Res_6299	0	54	58	55	20	39	41	48
NCA 02_Res_4884	0	72	64	51	0	53	53	0
NCA 07_Res_6300	0	43	58	57	32	55	35	40
NCA 10_Res_6301	0	0	64	61	24	60	50	0
NCA 01_Res_4936	0	61	49	25	0	46	30	0
NCA 01_Res_4833	0	66	53	32	0	49	37	0
NCA 11_Res_6302	0	0	70	54	0	65	62	0
NCA 11_Res_6303	0	0	58	42	0	54	46	0
NCA 06_Res_5120	0	56	48	45	0	41	43	52
NCA 06_Res_5121	0	51	43	40	0	38	40	47
NCA 03_Res_2093	12	60	43	29	0	40	37	0
NCA 06_Res_1932	-3	53	42	39	0	39	34	46
NCA 02_Res_3024	15	71	56	47	0	60	52	0
NCA 10_Res_6304	0	0	44	43	30	42	46	0
NCA 03_Res_2202	15	60	50	32	0	40	42	0
NCA 03_Res_2089	17	59	49	30	0	40	39	0
NCA 03_Res_1649	16	59	54	31	0	38	41	0
NCA 06_Res_3356	0	52	42	39	0	36	34	46
NCA 02_Res_1724	10	57	44	26	0	33	36	0
NCA 02_Res_3470	13	65	54	36	0	43	46	0
NCA 13_Res_6305	0	0	27	9	0	21	23	0
NCA 08_Res_6306	0	40	55	50	33	50	56	38
NCA 11_Res_6307	0	0	65	34	0	36	35	0
NCA 08_Res_6308	0	36	69	69	44	68	60	36
NCA 01_Res_4858	0	61	42	38	0	45	23	0
NCA 01_Res_4935	0	77	55	55	0	61	22	0
NCA 01_Res_5066	0	86	64	68	0	72	35	0
NCA 01_Res_4796	0	55	42	32	0	39	40	0
NCA 01_Res_1010	0	52	41	24	0	36	32	0
NCA 10_Res_6309	0	0	44	41	29	41	42	0
NCA 06_Com_1235	11	54	44	39	0	41	36	47
NCA 02_Res_3939	0	51	40	26	0	36	33	0
NCA 06_Res_5168	0	66	57	56	0	49	45	68
NCA 06_Res_5169	0	49	63	64	0	41	45	51
NCA 11_Res_6310	0	0	45	35	0	37	37	0
NCA 02_Res_4320	10	64	47	34	0	45	42	0
NCA 13_Res_6311	0	0	31	10	0	0	0	0
NCA 06_Res_2207	6	51	37	31	0	36	29	41
NCA 06_Res_4075	5	52	37	30	0	35	28	40
NCA 02_Res_4673	21	69	55	39	0	47	45	0
NCA 02_Res_5036	5	61	46	35	0	53	34	0
NCA 12_Com_6312	0	0	52	31	0	33	31	0
NCA 12_Com_6313	0	0	40	23	0	25	25	0

NCA 06_Com_1210	9	63	41	30	0	46	31	49
NCA 09_Res_6314	0	0	49	49	41	39	33	0
NCA 07_Res_6315	0	46	39	38	20	36	29	39
NCA 11_Res_6316	0	0	47	31	0	33	31	0
NCA 11_Res_6317	0	0	49	33	0	35	35	0
NCA 07_Com_7025	0	49	56	58	33	64	40	45
NCA 07_Res_6318	0	32	38	37	17	36	26	31
NCA 13_Res_6319	0	0	28	3	0	0	0	0
NCA 02_Res_3637	0	79	71	53	0	61	60	0
NCA 02_Res_4195	0	81	70	52	0	60	59	0
NCA 09_Res_6320	0	0	49	48	34	36	32	0
NCA 08_Res_6322	0	37	68	69	44	67	61	36
NCA 10_Com_6323	0	0	62	59	33	65	64	0
NCA 10_Com_6324	0	0	58	56	29	57	61	0
NCA 10_Com_6325	0	0	43	42	19	46	40	0
NCA 10_Com_6326	0	0	56	52	25	52	58	0
NCA 09_EDU_6327	0	0	50	48	41	41	37	0
NCA 09_EDU_6328	0	0	48	42	35	34	32	0
NCA 09_EDU_6329	0	0	43	41	33	37	32	0
NCA 09_EDU_6330	0	0	43	41	29	40	36	0
NCA 09_EDU_6331	0	0	50	49	40	37	33	0
NCA 09_EDU_6332	0	0	54	50	30	37	33	0
NCA 04_Res_3005	29	60	47	41	0	36	44	36
NCA 04_Res_2065	26	64	38	23	0	30	27	32
NCA 04_Res_4072	24	58	44	26	0	39	34	42
NCA 02_Res_1518	11	62	47	30	0	42	39	0
NCA 07_Res_6333	0	36	43	41	20	40	31	36
NCA 07_Res_6334	0	44	54	54	14	36	31	42
NCA 03_Res_1404	14	57	44	26	0	38	35	0
NCA 06_Res_2106	15	63	50	36	0	51	43	58
NCA 03_Res_1539	24	66	50	33	0	45	37	0
NCA 03_Res_4006	22	64	49	34	0	44	37	0
NCA 01_Res_2598	0	65	48	48	0	49	23	0
NCA 01_Res_4212	0	61	47	36	0	48	31	0
NCA 04_Res_1183	52	66	54	39	0	39	42	43
NCA 10_Res_6335	0	0	71	70	25	65	56	0
NCA 10_Res_6336	0	0	56	54	30	51	42	0
NCA 11_Res_6337	0	0	46	37	0	37	37	0
NCA 11_Res_7369	0	0	50	29	0	28	28	0
NCA 10_Res_6338	0	0	56	52	12	51	56	0
NCA 03_Res_4612	25	64	53	36	0	45	40	30
NCA 03_Res_4603	24	62	50	31	0	43	35	27
NCA 03_Res_4976	25	63	51	36	0	44	41	30
NCA 03_Res_4965	25	65	53	36	0	45	42	31
NCA 03_Res_4972	30	68	56	39	0	49	42	32
NCA 03_Res_5015	31	69	57	40	0	49	43	32
NCA 11_Res_6339	0	0	48	33	0	29	29	0
NCA 11_Res_6340	0	0	51	42	0	40	38	0
NCA 05_Res_4571	16	63	49	31	0	43	37	45
NCA 05_Res_5089	14	61	48	28	0	42	34	44
NCA 06_Res_5127	2	69	60	57	0	53	52	70
NCA 09_Res_6341	0	0	61	60	26	56	44	0
NCA 07_Res_6342	0	52	49	48	14	35	39	47

NCA 02_Res_1790	16	53	41	28	0	34	32	0
NCA 02_Res_4121	0	51	38	25	0	33	33	0
NCA 08_Res_6343	0	37	43	41	26	42	40	36
NCA 03_Res_3027	22	61	45	31	0	43	36	36
NCA 03_Res_4141	21	58	45	30	0	40	36	36
NCA 03_Res_1250	16	59	49	30	0	40	40	0
NCA 02_Res_1429	0	60	49	28	0	38	32	0
NCA 02_Res_3820	0	66	54	34	0	39	39	0
NCA 03_Res_4309	17	69	45	28	0	47	33	0
NCA 03_Res_3769	16	60	42	24	0	41	30	0
NCA 13_Res_6344	0	0	33	13	0	0	0	0
NCA 02_Caf_1647	5	61	44	30	0	45	37	0
NCA 01_Res_3614	0	66	48	40	0	48	26	0
NCA 10_Res_6345	0	0	70	67	0	65	74	0
NCA 11_Res_6346	0	0	48	42	0	43	45	0
NCA 11_Res_6347	0	0	49	43	0	44	45	0
NCA 04_Res_3037	35	73	63	58	0	46	63	26
NCA 04_Res_3434	26	63	52	46	0	41	44	33
NCA 04_Res_4231	38	74	64	58	0	47	63	37
NCA 03_Res_3215	27	63	51	34	0	43	35	0
NCA 06_Res_4560	13	64	47	33	0	53	38	60
NCA 06_Res_1018	11	68	50	39	0	53	36	62
NCA 07_POW_6348	0	44	44	42	32	41	38	44
NCA 07_POW_6349	0	41	37	36	21	33	29	39
NCA 08_Res_6350	0	0	41	39	38	38	31	0
NCA 11_Res_6351	0	0	69	42	0	62	52	0
NCA 06_Res_3334	19	83	66	54	0	67	52	74
NCA 06_Res_3676	10	66	49	48	0	52	35	59
NCA 01_Res_2912	0	55	45	33	0	45	23	0
NCA 08_Res_6352	0	41	46	44	31	44	50	38
NCA 09_Res_6353	0	0	70	60	39	51	43	0
NCA 11_Res_6354	0	0	48	43	0	45	45	0
NCA 11_Res_6355	0	0	51	44	0	45	46	0
NCA 07_Res_6356	0	59	53	51	25	40	46	56
NCA 07_Res_6357	0	62	54	50	19	43	45	58
NCA 06_Res_3146	11	80	70	61	0	59	62	44
NCA 06_Res_3453	12	65	55	46	0	47	47	45
NCA 10_Res_6358	0	0	40	38	0	38	36	0
NCA 10_Res_6359	0	0	42	38	0	38	39	0
NCA 10_Res_6360	0	0	70	65	35	64	55	0
NCA 10_Res_6361	0	0	58	55	26	54	44	0
NCA 02_Res_2659	0	61	49	41	0	43	46	0
NCA 11_Res_6362	0	0	47	35	0	38	36	0
NCA 06_Res_1422	21	82	64	56	0	65	52	70
NCA 06_Res_3746	9	66	48	39	0	50	34	54
NCA 01_Res_4822	0	48	37	30	0	39	18	0
NCA 01_Res_1043	0	74	58	51	0	58	24	0
NCA 07_Res_6363	0	32	45	43	30	43	32	29
NCA 06_Res_2115	8	78	71	68	0	47	53	65
NCA 06_Res_4113	1	82	76	72	0	52	52	68
NCA 04_Res_2034	30	59	52	39	0	40	41	39
NCA 04_Res_4135	29	60	49	40	0	41	42	38
NCA 10_Res_6364	0	0	70	69	21	65	52	0

NCA 10_Res_6365	0	0	56	55	30	52	38	0
NCA 07_Res_6366	0	46	46	46	27	45	35	38
NCA 02_PoW_1130	0	63	53	39	0	47	47	0
NCA 02_PoW_3908	0	56	47	38	0	44	49	0
NCA 06_Res_1886	10	59	42	38	0	41	33	43
NCA 06_Res_4066	14	53	41	35	0	38	32	43
NCA 03_Res_1664	21	62	46	32	0	43	36	33
NCA 03_Res_4175	21	60	47	31	0	41	36	34
NCA 06_Res_1088	7	77	59	49	0	61	49	64
NCA 02_Res_3320	18	77	69	43	0	43	58	0
NCA 02_Res_3770	15	85	78	44	0	42	58	0
NCA 06_Res_5153	0	71	61	57	0	52	50	70
NCA 10_Res_6367	0	0	65	61	25	61	66	0
NCA 03_Res_1230	24	77	64	33	0	55	38	34
NCA 03_Res_4019	27	90	78	49	0	65	53	29
NCA 03_Res_1249	17	72	63	31	0	50	38	0
NCA 03_Res_1313	11	66	59	39	0	42	39	0
NCA 05_Res_2111	12	69	57	32	0	52	37	45
NCA 05_Res_5070	14	69	56	29	0	49	36	43
NCA 01_Res_2439	0	43	33	23	0	50	16	0
NCA 01_Res_3910	0	47	42	27	0	43	19	0
NCA 02_Res_3876	0	66	63	49	0	48	68	0
NCA 06_Res_5135	18	57	47	44	0	36	36	47
NCA 07_Res_7040	0	33	52	50	31	48	37	31
NCA 06_Res_5103	0	52	43	39	0	37	38	52
NCA 08_Res_6368	0	41	54	51	30	51	56	38
NCA 01_Res_4882	0	70	48	32	0	53	26	0
NCA 01_Res_4897	0	60	41	27	0	43	32	0
NCA 05_Res_2768	12	64	50	31	0	44	36	47
NCA 03_Res_1301	20	66	49	26	0	45	30	0
NCA 03_Res_3306	18	66	50	23	0	45	29	0
NCA 07_Com_7045	0	48	54	53	32	52	39	44
NCA 13_Res_6369	0	0	32	11	0	0	0	0
NCA 06_Res_1935	11	58	46	36	0	48	35	52
NCA 06_Res_3458	12	56	43	34	0	43	35	48
NCA 07_Res_6370	0	48	52	50	33	50	35	41
NCA 07_Res_6371	0	47	44	42	22	41	35	42
NCA 03_Res_3026	19	83	70	29	0	54	34	0
NCA 03_Res_3036	17	81	67	25	0	51	31	0
NCA 06_Res_5123	0	57	48	45	0	41	43	54
NCA 13_Res_6372	0	0	27	8	0	0	0	0
NCA 05_Res_1776	18	64	51	32	0	45	40	48
NCA 05_Res_3792	14	66	53	29	0	45	37	45
NCA 02_Res_2033	5	50	37	24	0	32	28	0
NCA 09_Res_6373	0	0	43	42	36	32	29	0
NCA 01_Res_2772	0	67	55	28	0	50	35	0
NCA 02_Res_2947	0	57	53	37	0	41	55	0
NCA 02_Res_3959	0	60	49	37	0	47	45	0
NCA 07_Res_6374	0	40	52	51	28	49	35	37
NCA 09_Res_6375	0	0	69	67	57	42	35	0
NCA 09_Res_6376	0	0	59	57	41	37	31	0
NCA 04_Res_4667	28	60	49	40	0	40	43	37
NCA 04_Res_5012	26	58	47	39	0	39	44	37

NCA 04_Res_5069	29	62	51	43	0	42	48	35
NCA 04_Res_4757	26	58	47	43	0	37	43	31
NCA 09_Res_6377	0	0	54	50	34	49	39	0
NCA 10_Res_6378	0	0	45	43	30	42	46	0
NCA 08_Res_6379	0	45	70	63	39	62	62	38
NCA 02_Res_2330	0	51	40	27	0	36	33	0
NCA 02_Res_3575	0	55	45	26	0	42	34	0
NCA 07_Res_6380	0	39	42	40	24	39	34	41
NCA 02_Res_1670	6	69	48	31	0	40	38	0
NCA 02_Res_4073	21	73	56	44	0	44	50	0
NCA 09_Res_6382	0	0	50	52	24	42	33	0
NCA 10_Res_6383	0	0	42	38	21	39	37	0
NCA 04_Res_1699	35	62	51	37	0	40	42	38
NCA 04_Res_4123	31	58	45	34	0	37	35	40
NCA 07_Res_6384	0	40	56	55	28	52	36	36
NCA 07_Res_6385	0	48	49	47	30	46	37	41
NCA 03_Res_1715	25	70	55	31	0	45	36	34
NCA 03_Res_3437	19	60	47	28	0	40	33	32
NCA 08_Res_6386	0	37	50	49	29	53	49	37
NCA 08_Res_6387	0	32	45	46	32	45	34	31
NCA 06_Res_4658	18	75	68	63	0	53	46	50
NCA 06_Res_1021	8	83	85	71	0	55	51	60
NCA 01_Res_3885	0	58	46	31	0	43	34	0
NCA 08_Res_6388	0	40	49	47	34	46	44	38
NCA 12_Com_6389	0	0	47	32	0	34	34	0
NCA 12_Com_6390	0	0	53	34	0	36	36	0
NCA 12_Com_6391	0	0	39	28	0	30	31	0
NCA 12_Com_6392	0	0	43	31	0	33	33	0
NCA 12_Com_6393	0	0	48	33	0	34	34	0
NCA 12_Com_6394	0	0	46	33	0	35	34	0
NCA 07_Res_6395	0	49	46	45	14	34	38	46
NCA 07_Res_6396	0	39	40	38	16	32	29	40
NCA 03_Res_4743	15	55	44	27	0	38	37	0
NCA 03_Res_4991	15	57	41	26	0	39	34	0
NCA 10_Res_6397	0	0	70	68	0	65	74	0
NCA 06_Res_4589	13	62	47	41	0	49	37	56
NCA 06_Res_5078	8	57	43	30	0	43	35	49
NCA 11_Res_6398	0	0	46	27	0	31	33	0
NCA 04_Res_1536	26	65	43	25	0	39	33	42
NCA 04_Res_3850	24	59	44	24	0	37	32	41
NCA 13_Res_6399	0	0	33	11	0	24	0	0
NCA 13_Res_6400	0	0	36	16	0	23	0	0
NCA 01_Res_4873	0	54	41	22	0	37	26	0
NCA 01_Res_1041	0	62	49	35	0	46	41	0
NCA 05_Res_1316	15	70	57	26	0	50	32	41
NCA 05_Res_3058	15	69	56	29	0	48	37	46
NCA 01_Res_2271	0	71	55	46	0	48	28	0
NCA 01_Res_3896	0	61	43	39	0	45	22	0
NCA 02_Res_3557	0	70	63	52	0	41	47	0
NCA 02_Res_4191	0	74	67	58	0	45	53	0
NCA 08_Res_6401	0	38	52	50	25	49	46	37
NCA 02_Res_2784	0	69	59	47	0	53	55	0
NCA 06_Res_4803	13	61	50	44	0	46	41	49

NCA 09_Res_6402	0	0	43	47	29	37	32	0
NCA 02_Res_1257	19	79	70	48	0	50	61	0
NCA 02_Res_3991	14	65	53	39	0	42	47	0
NCA 11_Res_6403	0	0	41	21	0	22	22	0
NCA 11_Res_6404	0	0	45	26	0	28	29	0
NCA 08_Res_6405	0	41	47	41	30	42	35	35
NCA 07_Res_6406	0	56	58	59	21	37	42	49
NCA 03_Res_1375	21	61	46	29	0	41	37	0
NCA 03_Res_4016	11	55	42	25	0	37	33	0
NCA 03_Res_3485	25	65	52	36	0	44	39	35
NCA 03_Res_4079	20	58	46	30	0	40	35	35
NCA 06_Res_5171	11	52	46	45	0	34	35	49
NCA 06_Res_4008	8	53	44	41	0	36	38	52
NCA 06_Com_1143	8	64	39	31	0	45	31	46
NCA 06_Com_1137	8	65	42	35	0	47	34	49
NCA 11_Res_6407	0	0	51	47	0	49	49	0
NCA 08_Res_6408	0	41	55	50	28	50	55	38
NCA 02_Res_2553	0	66	68	53	0	48	72	0
NCA 01_Res_3615	0	75	58	52	0	58	20	0
NCA 01_Res_3984	0	67	56	48	0	56	18	0
NCA 11_Res_6409	0	0	61	48	0	53	47	0
NCA 07_Res_6410	0	32	42	40	19	39	30	32
NCA 07_Res_6411	0	30	41	39	18	39	31	28
NCA 11_Res_6412	0	0	43	33	0	36	36	0
NCA 11_Res_6413	0	0	45	33	0	36	35	0
NCA 03_Res_1304	15	54	41	22	0	35	29	0
NCA 06_Res_5101	0	56	46	42	0	39	37	55
NCA 07_Res_6414	0	33	50	47	20	46	30	33
NCA 07_Res_7811	0	46	48	46	22	45	35	41
NCA 01_Res_2581	0	61	46	38	0	46	31	0
NCA 02_Res_3152	16	78	54	38	0	58	45	0
NCA 02_Res_1920	15	90	64	43	0	55	45	0
NCA 10_Res_6415	0	0	47	44	21	44	45	0
NCA 10_Res_6416	0	0	39	36	15	37	38	0
NCA 07_Res_7002	0	42	69	67	35	63	42	40
NCA 02_Edu_4373	0	61	53	47	0	46	49	0
NCA 02_Res_4383	0	66	56	44	0	50	57	0
NCA 02_Edu_4885	0	56	47	39	0	41	36	0
NCA 02_Res_4862	0	56	49	36	0	42	52	0
NCA 03_Res_4128	15	58	43	26	0	40	35	0
NCA 10_Com_6417	0	0	55	54	23	52	58	0
NCA 10_Com_6418	0	0	55	53	17	52	58	0
NCA 10_Res_6419	0	0	42	40	25	52	42	0
NCA 01_Res_1199	0	56	44	35	0	50	27	0
NCA 13_Res_6420	0	0	34	24	0	26	26	0
NCA 07_Res_6421	0	46	50	50	15	39	39	47
NCA 07_Res_6422	0	36	53	51	32	50	32	35
NCA 07_Res_6423	0	47	44	42	24	41	34	41
NCA 13_Res_6424	0	0	30	22	0	25	26	0
NCA 09_Res_6425	0	0	69	69	61	46	37	0
NCA 07_Res_6426	0	40	45	42	23	42	33	38
NCA 08_Res_6427	0	38	57	58	35	56	43	37
NCA 10_Res_6428	0	0	35	33	28	38	32	0

NCA 10_Res_6429	0	0	37	33	23	35	34	0
NCA 04_Res_1802	47	63	50	28	0	39	34	42
NCA 04_Res_4205	52	67	54	39	0	38	42	37
NCA 04_Res_4377	32	61	41	29	0	31	34	36
NCA 02_Res_2531	0	64	49	31	0	41	43	0
NCA 02_Res_2046	12	66	50	35	0	44	44	0
NCA 11_Res_6430	0	0	48	36	0	37	37	0
NCA 07_Res_6431	0	59	50	47	29	43	46	57
NCA 07_Res_6432	0	54	55	54	20	41	46	52
NCA 03_Res_3216	26	63	49	37	0	42	40	11
NCA 03_Res_4012	25	63	51	36	0	43	39	17
NCA 10_Res_6433	0	0	49	45	0	46	51	0
NCA 10_Res_6434	0	0	49	44	0	43	47	0
NCA 09_Res_6435	0	0	66	62	47	44	38	0
NCA 06_Res_4391	7	54	42	37	0	39	34	44
NCA 06_Res_4962	8	54	43	36	0	39	33	43
NCA 11_Res_6436	0	0	61	49	15	58	62	0
NCA 01_Res_3524	0	53	40	30	0	39	32	0
NCA 05_Com_1072	23	80	67	33	0	49	42	49
NCA 05_Com_1085	21	75	57	32	0	45	40	47
NCA 05_Com_1163	21	79	62	28	0	35	31	40
NCA 13_Res_6437	0	0	33	14	0	0	0	0
NCA 03_Res_1602	22	68	56	29	0	48	34	0
NCA 03_CCC_5079	11	80	76	31	0	47	45	0
NCA 03_CCC_5024	18	81	79	28	0	52	37	0
NCA 07_Res_6438	0	48	69	69	17	34	36	47
NCA 01_Res_2670	0	62	49	33	0	46	38	0
NCA 01_Res_3866	0	53	41	27	0	38	33	0
NCA 08_Res_6440	0	6	36	35	35	40	32	21
NCA 04_Caf_6059	28	57	42	26	0	36	31	38
NCA 03_Res_3274	20	76	66	31	0	57	35	0
NCA 03_Res_4077	17	70	58	25	0	50	31	0
NCA 07_Res_6441	0	32	39	38	16	37	26	32
NCA 11_Res_6442	0	0	42	34	0	36	36	0
NCA 04_Com_4581	53	76	56	33	0	27	34	24
NCA 04_Com_1510	54	75	61	41	0	29	41	24
NCA 09_Res_6443	0	0	47	46	42	36	33	0
NCA 09_Res_6444	0	0	48	46	34	40	34	0
NCA 01_Res_2575	0	55	42	28	0	41	36	0
NCA 11_Res_6445	0	0	65	26	0	28	30	0
NCA 10_Res_6446	0	0	44	41	21	42	46	0
NCA 10_Res_6447	0	0	50	48	22	47	52	0
NCA 08_Res_6448	0	37	50	49	24	51	39	37
NCA 03_Res_4148	18	54	42	28	0	36	33	29
NCA 08_Res_6449	0	0	50	47	51	33	27	0
NCA 05_Res_1381	14	77	62	28	0	44	37	49
NCA 08_Res_6450	0	46	50	47	21	46	34	41
NCA 06_Res_5131	5	69	57	55	0	50	46	67
NCA 05_Res_4304	20	68	54	28	0	48	37	45
NCA 05_Res_3174	13	68	55	30	0	48	39	47
NCA 01_Ind_1185	0	62	57	42	0	70	30	0
NCA 01_Ind_3552	0	62	61	44	0	64	28	0
NCA 08_EDU_6451	0	0	48	47	47	41	31	0

NCA 08_EDU_6452	0	0	37	36	39	35	27	0
NCA 08_EDU_6453	0	0	46	47	50	37	31	0
NCA 04_Res_3236	21	60	47	28	0	40	35	42
NCA 04_Res_3745	24	56	43	24	0	37	32	41
NCA 02_Res_2935	0	69	58	48	0	40	42	0
NCA 02_Res_2983	0	74	61	32	0	38	38	0
NCA 10_Res_6454	0	0	48	42	0	44	44	0
NCA 07_Res_6455	0	49	47	46	17	34	38	46
NCA 03_Res_1869	21	62	49	27	0	42	34	27
NCA 03_Res_1825	26	68	55	37	0	47	39	28
NCA 03_Res_4096	21	60	47	32	0	41	34	22
NCA 08_Res_6456	0	0	37	35	37	30	28	0
NCA 10_Res_6457	0	0	37	35	26	42	37	0
NCA 03_Res_1943	10	55	41	27	0	37	34	0
NCA 10_Res_6458	0	0	51	49	23	47	53	0
NCA 10_Res_6459	0	0	40	37	26	42	38	0
NCA 13_Res_6460	0	0	34	14	0	0	0	0
NCA 13_Res_6461	0	0	35	14	0	0	0	0
NCA 09_Res_6462	0	0	69	69	53	44	38	0
NCA 03_Res_4349	23	73	61	36	0	52	41	31
NCA 01_Com_4958	0	58	36	27	0	41	24	0
NCA 02_Res_1584	0	61	51	33	0	41	44	0
NCA 02_Res_4104	0	56	46	36	0	41	44	0
NCA 10_POW_6463	0	0	44	44	32	48	51	0
NCA 02_Res_4252	22	82	77	38	0	46	51	0
NCA 05_Res_3789	11	57	46	34	0	46	42	52
NCA 05_Res_1362	15	71	58	40	0	56	44	64
NCA 04_Com_4321	23	65	50	28	0	41	35	43
NCA 04_Com_1291	21	67	52	30	0	42	37	43
NCA 04_Com_1097	23	67	51	29	0	41	36	43
NCA 06_Res_1737	0	69	59	55	0	40	38	51
NCA 06_Res_5105	0	61	51	49	0	44	44	60
NCA 08_Res_6464	0	34	40	39	27	39	37	35
NCA 01_Res_2852	0	47	35	27	0	37	24	0
NCA 13_Res_6465	0	0	27	8	0	14	0	0
NCA 13_Res_6466	0	0	23	3	0	11	0	0
NCA 08_Res_6467	0	32	42	41	27	42	38	33
NCA 06_Res_1738	16	63	47	30	0	51	43	58
NCA 02_Res_4681	14	66	53	41	0	50	48	0
NCA 09_Res_6468	0	0	71	67	63	47	39	0
NCA 09_Res_6469	0	0	62	59	60	36	29	0
NCA 10_Res_6470	0	0	47	45	23	45	47	0
NCA 02_Res_3802	17	54	47	26	0	36	36	0
NCA 02_Res_3221	11	54	47	24	0	32	34	0
NCA 03_Res_4574	24	63	49	34	0	43	37	0
NCA 03_Res_4980	15	58	44	26	0	38	34	0
NCA 04_Res_1961	38	69	43	22	0	30	26	35
NCA 04_Res_4301	25	60	43	23	0	35	29	40
NCA 13_Res_6471	0	0	29	7	0	0	0	0
NCA 07_Res_6472	0	54	66	63	21	43	41	48
NCA 07_Res_6473	0	54	67	63	24	47	41	48
NCA 13_Res_6474	0	0	22	0	0	0	0	0
NCA 13_Res_6475	0	0	18	0	0	0	0	0

NCA 13_Res_6476	0	0	33	14	0	0	0	0
NCA 13_Res_6477	0	0	32	3	0	0	0	0
NCA 13_Res_6478	0	0	34	13	0	0	0	0
NCA 02_Res_3050	17	60	49	33	0	43	40	0
NCA 02_Res_1646	16	65	52	48	0	36	46	0
NCA 13_Res_6479	0	0	25	1	0	0	0	0
NCA 13_Res_6480	0	0	18	-4	0	9	0	0
NCA 11_Res_6481	0	0	54	41	0	43	42	0
NCA 06_Res_2157	5	62	37	31	0	43	28	40
NCA 13_Res_6482	0	0	30	15	0	0	0	0
NCA 13_Res_6483	0	0	31	15	0	0	0	0
NCA 13_Res_6484	0	0	34	13	0	0	0	0
NCA 13_Res_6485	0	0	34	13	0	0	0	0
NCA 11_Res_6486	0	0	52	42	0	43	43	0
NCA 02_Res_3051	21	64	47	33	0	45	40	0
NCA 05_Res_1268	15	58	46	30	0	49	48	48
NCA 05_Res_3486	13	61	49	33	0	52	41	57
NCA 10_Res_6487	0	0	51	49	24	46	40	0
NCA 05_Res_3177	12	60	47	32	0	43	34	49
NCA 05_Res_3722	12	65	52	33	0	48	41	49
NCA 03_Res_3394	33	82	69	56	0	58	61	33
NCA 03_Res_2194	25	82	69	39	0	58	45	29
NCA 07_Res_6488	0	58	54	53	28	43	48	54
NCA 08_Res_6489	0	45	48	44	21	43	35	40
NCA 11_Res_6490	0	0	59	19	0	21	21	0
NCA 11_Res_6645	0	0	64	33	0	35	34	0
NCA 09_Res_6491	0	0	66	64	57	34	25	0
NCA 09_EDU_6492	0	0	58	56	40	41	38	0
NCA 09_EDU_6493	0	0	50	48	35	38	35	0
NCA 09_EDU_6494	0	0	39	37	29	37	34	0
NCA 09_EDU_6495	0	0	48	47	27	34	32	0
NCA 09_EDU_6496	0	0	52	51	38	38	36	0
NCA 09_EDU_6497	0	0	37	36	28	29	25	0
NCA 09_EDU_6498	0	0	39	37	30	35	32	0
NCA 11_Res_6499	0	0	44	22	0	23	23	0
NCA 07_Res_6500	0	47	46	44	20	43	35	41
NCA 07_Res_6501	0	45	52	52	0	34	33	43
NCA 02_Res_3200	12	60	44	31	0	41	40	0
NCA 10_Res_6502	0	0	69	64	26	64	63	0
NCA 02_Res_5034	12	66	51	35	0	46	45	0
NCA 02_Res_5081	11	66	51	36	0	41	45	0
NCA 05_Res_4585	15	84	71	44	0	63	52	57
NCA 05_Res_4964	11	71	56	32	0	50	42	50
NCA 06_Res_1428	0	89	77	69	0	59	60	76
NCA 06_Res_5149	0	87	74	67	0	60	61	77
NCA 03_Res_3270	14	66	53	38	0	45	37	0
NCA 03_Res_2987	15	59	49	28	0	40	33	0
NCA 04_Res_2162	46	73	71	56	0	43	55	35
NCA 04_Res_2161	28	70	42	25	0	35	31	39
NCA 04_Res_3483	27	60	42	24	0	32	30	36
NCA 01_Res_3651	0	55	41	34	0	41	30	0
NCA 07_Res_6503	0	45	41	41	32	40	36	43
NCA 07_Res_6504	0	41	45	43	32	42	38	42

NCA 09_EDU_6505	0	0	57	54	41	48	40	0
NCA 09_EDU_6506	0	0	36	34	29	29	23	0
NCA 09_EDU_6507	0	0	62	54	40	44	38	0
NCA 09_EDU_6508	0	0	44	43	23	43	39	0
NCA 10_Res_6509	0	0	56	56	21	53	43	0
NCA 07_Res_6510	0	58	53	52	25	42	49	54
NCA 03_Res_4865	16	60	44	27	0	41	32	0
NCA 10_Res_6511	0	0	43	41	33	48	44	0
NCA 02_Res_3340	20	81	59	46	0	54	55	0
NCA 07_EDU_6512	0	57	51	51	30	42	47	54
NCA 03_Res_3425	24	64	56	47	0	45	53	33
NCA 03_Res_4160	22	66	54	35	0	46	41	30
NCA 10_Res_6513	0	0	47	42	0	44	44	0
NCA 10_Res_6514	0	0	41	38	0	38	39	0
NCA 09_Res_6515	0	0	40	38	36	31	28	0
NCA 09_Res_6516	0	0	50	48	31	47	38	0
NCA 13_Res_6517	0	0	34	13	0	0	0	0
NCA 08_Res_6518	0	34	51	50	24	51	37	38
NCA 07_Res_6519	0	34	42	40	23	40	31	34
NCA 10_Res_6520	0	0	44	42	30	42	42	0
NCA 05_Res_2543	21	63	48	29	0	39	29	43
NCA 06_Res_1594	26	57	43	29	0	40	34	46
NCA 06_Res_3006	10	54	41	28	0	40	32	45
NCA 13_Res_6521	0	0	19	0	0	0	0	0
NCA 13_Res_6522	0	0	31	11	0	0	0	0
NCA 09_Res_6523	0	0	62	62	36	55	36	0
NCA 07_Res_6524	0	46	44	43	19	42	34	41
NCA 13_Res_6525	0	0	28	2	0	0	0	0
NCA 13_Res_6526	0	0	32	13	0	0	0	0
NCA 01_Res_2490	0	56	44	32	0	42	38	0
NCA 07_Res_6527	0	40	46	44	23	44	31	38
NCA 01_PoW_1106	0	66	43	32	0	48	36	0
NCA 02_Res_1108	0	52	41	31	0	37	35	0
NCA 13_Res_6528	0	0	32	0	0	0	0	0
NCA 13_Res_6529	0	0	20	0	0	0	0	0
NCA 03_Res_2062	24	81	70	33	0	62	38	32
NCA 03_Res_4102	33	84	78	44	0	67	48	35
NCA 05_Res_4472	15	81	71	42	0	62	51	56
NCA 05_Res_5043	11	81	70	40	0	61	48	55
NCA 05_Res_3469	16	79	72	40	0	60	53	54
NCA 03_Res_1572	32	86	77	43	0	67	47	34
NCA 02_Res_3891	0	68	66	53	0	46	71	0
NCA 05_Res_1321	13	78	65	41	0	58	49	54
NCA 05_Res_4002	11	68	54	30	0	49	39	47
NCA 05_Res_3279	11	62	50	34	0	48	41	52
NCA 06_Res_4705	11	82	70	58	0	69	63	74
NCA 06_Res_4947	15	66	54	34	0	54	43	62
NCA 13_Res_6530	0	0	33	14	0	0	0	0
NCA 13_Res_6531	0	0	33	13	0	0	0	0
NCA 09_Res_6532	0	0	48	47	29	38	32	0
NCA 05_Res_1745	9	74	61	48	0	60	42	67
NCA 05_Res_4267	11	72	58	47	0	58	41	65
NCA 09_Res_6533	0	0	52	50	50	33	28	0

NCA 09_Res_6534	0	0	41	40	40	36	31	0
NCA 01_Res_5058	0	76	65	36	0	56	43	0
NCA 01_Res_5046	0	65	56	28	0	49	37	0
NCA 08_Res_6535	0	43	47	40	28	42	38	39
NCA 08_Res_6536	0	43	48	41	27	43	40	39
NCA 02_Res_1505	21	70	55	45	0	43	49	0
NCA 02_Res_3813	12	70	54	41	0	45	49	0
NCA 06_Res_4715	12	64	46	38	0	46	35	46
NCA 06_Res_5067	6	63	38	33	0	44	29	41
NCA 03_Res_4626	11	55	41	27	0	40	35	0
NCA 03_Res_4949	12	59	45	29	0	41	36	0
NCA 03_Res_4649	10	60	45	30	0	42	37	0
NCA 07_Res_6537	0	31	44	42	24	43	33	28
NCA 13_Res_6538	0	0	30	9	0	0	0	0
NCA 04_Res_3061	37	61	49	43	0	38	46	38
NCA 07_Res_6539	0	43	43	41	24	40	30	33
NCA 09_Res_6540	0	0	59	54	38	43	35	0
NCA 09_Res_6541	0	0	52	50	35	42	36	0
NCA 02_Res_2056	5	56	42	29	0	40	35	0
NCA 06_Res_5099	0	59	49	46	0	42	43	57
NCA 02_Res_4249	17	71	58	52	0	47	49	0
NCA 10_Res_6542	0	0	69	66	0	65	66	0
NCA 09_Res_6543	0	0	67	67	30	49	36	0
NCA 05_Res_4609	14	81	71	39	0	62	47	54
NCA 05_Res_5088	14	69	57	29	0	49	37	46
NCA 11_Res_6544	0	0	50	48	16	47	41	0
NCA 01_Res_4815	0	72	59	25	0	53	32	0
NCA 04_Res_1990	25	59	45	22	0	37	30	41
NCA 03_Res_3765	22	62	46	30	0	41	35	0
NCA 03_Res_3731	13	55	41	25	0	38	32	0
NCA 02_Res_2630	0	52	41	27	0	38	35	0
NCA 07_Res_7033	0	36	59	57	33	53	39	35
NCA 09_Res_6545	0	0	58	53	33	41	33	0
NCA 09_Res_6546	0	0	54	52	34	49	42	0
NCA 06_Res_2721	6	79	61	48	0	57	46	46
NCA 02_Res_1353	17	58	47	33	0	43	45	0
NCA 02_Res_3501	15	59	47	36	0	42	46	0
NCA 07_Res_6547	0	38	46	44	26	44	34	37
NCA 12_Com_6548	0	0	48	32	0	34	33	0
NCA 12_Com_6549	0	0	42	32	0	32	33	0
NCA 12_Com_6550	0	0	47	32	0	32	31	0
NCA 09_Res_6551	0	0	59	59	34	54	34	0
NCA 04_Res_1564	43	58	47	32	0	38	36	41
NCA 04_Res_3118	37	61	49	42	0	38	45	32
NCA 10_Res_6552	0	0	70	66	0	65	65	0
NCA 10_Res_6553	0	0	61	61	21	57	36	0
NCA 08_Res_6554	0	45	59	54	33	54	44	37
NCA 09_Res_6555	0	0	41	39	36	34	30	0
NCA 06_Res_3035	8	51	37	28	0	40	32	45
NCA 06_PoW_1087	26	61	47	29	0	50	37	55
NCA 06_Res_2715	26	55	42	29	0	40	33	46
NCA 08_Res_6556	0	40	48	45	22	44	39	39
NCA 08_Res_6557	0	42	63	56	35	56	53	38

NCA 09_Res_6558	0	0	55	53	37	37	25	0
NCA 09_Res_6559	0	0	51	50	40	32	30	0
NCA 13_Res_6560	0	0	31	0	0	0	0	0
NCA 13_Res_6561	0	0	33	0	0	0	0	0
NCA 02_Res_3292	0	53	42	32	0	34	34	0
NCA 02_Res_4215	0	52	40	27	0	33	34	0
NCA 10_Res_6562	0	0	70	70	27	65	49	0
NCA 08_Res_6563	0	37	54	53	31	52	57	38
NCA 11_Res_6564	0	0	66	60	0	62	68	0
NCA 08_Res_6565	0	42	47	42	28	43	40	38
NCA 02_Res_3620	0	56	45	27	0	41	33	0
NCA 11_Res_6566	0	0	42	32	0	35	33	0
NCA 06_Res_1466	-4	57	45	41	0	40	34	43
NCA 02_Res_2837	0	74	69	59	0	50	61	0
NCA 08_Res_6567	0	39	54	49	27	49	55	37
NCA 08_Res_6568	0	39	43	40	23	40	36	37
NCA 07_Res_6569	0	41	49	47	31	47	33	36
NCA 03_Res_1627	22	71	54	36	0	51	40	0
NCA 03_Res_4193	19	62	46	27	0	43	33	0
NCA 03_Res_4740	15	58	44	29	0	39	39	0
NCA 08_Res_6570	0	0	66	66	61	35	29	0
NCA 07_Res_6571	0	37	50	50	28	48	34	35
NCA 09_Res_6572	0	0	39	36	23	37	36	0
NCA 08_Res_6573	0	0	47	48	52	42	36	0
NCA 08_Res_6574	0	0	50	51	55	39	35	0
NCA 07_Res_6575	0	62	59	58	24	45	55	60
NCA 02_Res_1616	13	73	60	53	0	45	56	0
NCA 08_Res_6576	0	0	46	45	44	30	25	0
NCA 02_Res_2756	13	65	46	30	0	47	40	0
NCA 02_Res_4100	13	67	51	37	0	37	43	0
NCA 07_Res_6577	0	52	52	51	21	36	38	46
NCA 11_Res_6578	0	0	49	36	0	42	36	0
NCA 11_Res_6579	0	0	66	47	0	38	37	0
NCA 02_Res_1809	0	61	50	37	0	41	43	0
NCA 03_Res_4397	19	57	47	31	0	39	40	0
NCA 09_Res_6580	0	0	47	47	48	41	32	0
NCA 09_Res_6581	0	0	53	52	49	43	37	0
NCA 06_Res_5129	5	68	56	53	0	49	50	67
NCA 06_Res_5130	-7	70	59	57	0	52	50	69
NCA 03_Res_3756	24	76	63	31	0	56	36	0
NCA 03_Res_3178	20	71	55	29	0	51	33	0
NCA 11_Res_6582	0	0	49	45	16	46	43	0
NCA 13_Res_6583	0	0	26	0	0	0	0	0
NCA 02_Res_2844	0	58	44	31	0	41	42	0
NCA 02_Res_3862	0	56	44	31	0	37	45	0
NCA 10_Res_6584	0	0	40	38	13	38	36	0
NCA 02_Res_2828	0	54	47	33	0	39	45	0
NCA 03_Res_3744	16	60	43	25	0	41	31	0
NCA 03_Res_3175	15	56	42	24	0	39	31	0
NCA 06_Res_3121	8	52	41	35	0	38	31	42
NCA 01_Res_2516	0	70	57	54	0	55	20	0
NCA 13_Res_6585	0	0	33	10	0	0	0	0
NCA 13_Res_6586	0	0	33	14	0	0	0	0

NCA 07_Res_6587	0	61	64	55	0	49	59	66
NCA 11_Res_6588	0	0	49	36	0	38	37	0
NCA 07_Res_6589	0	42	47	45	28	45	31	38
NCA 03_Res_1988	13	59	42	25	0	41	32	0
NCA 03_Res_3094	14	55	41	23	0	37	30	0
NCA 03_Res_3652	13	60	44	27	0	40	38	22
NCA 01_Res_2464	0	54	38	33	0	40	25	0
NCA 01_Res_2284	0	74	61	36	0	56	38	0
NCA 03_Res_1299	25	75	62	32	0	54	37	0
NCA 03_Res_3515	20	66	52	29	0	46	34	0
NCA 05_Res_5019	17	68	52	24	0	41	30	40
NCA 05_Res_4801	15	68	55	31	0	46	40	48
NCA 02_Res_2641	0	64	58	40	0	43	63	0
NCA 02_Res_3973	0	78	74	51	0	49	76	0
NCA 10_Res_6590	0	0	47	41	0	43	43	0
NCA 10_Res_6591	0	0	47	43	0	43	42	0
NCA 08_Res_6592	0	47	51	48	21	47	34	41
NCA 08_Res_6593	0	28	39	37	20	37	32	28
NCA 05_Res_1267	23	72	57	25	0	41	35	45
NCA 04_Res_1955	25	62	47	28	0	40	35	43
NCA 04_Res_3816	24	53	38	23	0	31	28	33
NCA 04_Res_3231	24	59	44	25	0	37	32	41
NCA 05_Res_3110	14	73	58	38	0	51	48	50
NCA 05_Res_3194	12	59	47	30	0	43	39	47
NCA 06_Com_3852	6	55	36	28	0	42	28	43
NCA 06_Res_4488	0	71	60	57	0	49	47	59
NCA 10_Res_6594	0	0	69	64	18	63	62	0
NCA 03_Res_3423	13	73	69	28	0	51	42	0
NCA 01_Res_2146	0	55	48	33	0	47	23	0
NCA 02_Res_4777	2	62	49	31	0	40	34	0
NCA 02_Res_4682	9	65	52	24	0	43	30	0
NCA 07_Res_6595	0	61	60	60	26	40	45	55
NCA 03_Res_1226	26	72	60	33	0	52	38	33
NCA 03_Res_3137	32	85	76	40	0	66	45	35
NCA 10_Res_6596	0	0	44	42	26	46	43	0
NCA 10_Res_6597	0	0	40	38	17	40	39	0
NCA 02_Res_4773	16	63	46	26	0	46	33	0
NCA 10_Res_6598	0	0	60	57	28	56	40	0
NCA 03_Res_1454	21	63	47	31	0	41	37	36
NCA 03_Res_3999	21	57	46	30	0	38	35	33
NCA 11_Res_6599	0	0	44	37	0	39	39	0
NCA 06_Res_4561	12	65	49	46	0	52	42	60
NCA 07_Ind_7001	0	49	65	69	34	70	39	44
NCA 07_Ind_7018	0	48	67	70	30	70	39	43
NCA 07_Com_7041	0	51	55	57	33	58	39	45
NCA 07_Ind_7024	0	47	72	73	32	76	38	43
NCA 08_Res_6600	0	0	50	50	50	47	31	0
NCA 02_Res_3095	10	65	49	33	0	42	39	0
NCA 02_Res_1969	17	70	56	49	0	40	48	0
NCA 03_Res_1277	38	75	66	66	0	45	70	37
NCA 03_Res_4129	35	79	69	70	0	50	74	37
NCA 05_Res_3824	10	57	45	36	0	46	40	51
NCA 05_Res_1390	9	52	41	30	0	42	36	47

NCA 11_Res_6601	0	0	52	41	0	36	35	0
NCA 01_Res_2735	0	66	54	40	0	50	45	0
NCA 12_Com_6602	0	0	43	33	0	35	34	0
NCA 04_Res_3352	40	62	51	36	0	39	40	32
NCA 03_Res_2716	28	71	56	36	0	49	39	0
NCA 04_Res_1426	23	60	46	28	0	40	35	42
NCA 04_Res_3241	24	54	39	23	0	32	28	37
NCA 07_Res_6603	0	45	43	41	30	39	35	42
NCA 02_Res_1248	17	64	50	39	0	35	47	0
NCA 02_Res_3692	8	56	43	31	0	37	39	0
NCA 08_Res_6604	0	44	46	45	30	46	46	39
NCA 03_Res_3123	23	61	50	34	0	42	39	29
NCA 03_Res_3418	22	63	51	32	0	42	37	33
NCA 01_Res_2963	0	64	51	33	0	43	40	0
NCA 01_Res_4037	0	58	48	29	0	42	36	0
NCA 02_Res_2872	0	55	43	31	0	41	42	0
NCA 02_Res_4225	0	57	46	33	0	41	43	0
NCA 05_Res_2717	20	63	49	33	0	44	43	44
NCA 01_Res_2949	0	71	52	54	0	53	30	0
NCA 10_Res_6605	0	0	49	47	32	47	51	0
NCA 01_Res_3623	0	65	56	51	0	56	27	0
NCA 01_Res_2876	0	72	59	58	0	60	27	0
NCA 01_Res_2232	0	72	60	57	0	59	27	0
NCA 05_Res_1524	19	67	52	26	0	44	34	43
NCA 05_Res_3285	15	64	51	26	0	44	34	43
NCA 02_Res_4794	0	56	44	32	0	33	36	0
NCA 02_Res_5061	0	65	58	51	0	40	45	0
NCA 03_Res_2066	23	68	55	32	0	48	36	32
NCA 03_Res_3490	25	68	55	33	0	48	36	32
NCA 05_Res_4583	13	66	54	43	0	53	49	57
NCA 05_Res_5008	12	58	46	36	0	45	41	49
NCA 10_Res_6606	0	0	41	38	18	43	39	0
NCA 10_Res_6607	0	0	43	40	18	41	43	0
NCA 03_Res_1356	27	68	55	35	0	48	34	28
NCA 03_Res_3472	23	63	50	31	0	43	34	25
NCA 11_Res_6608	0	0	41	34	0	37	35	0
NCA 06_Res_1049	12	63	51	47	0	45	39	47
NCA 06_Res_4978	7	54	43	36	0	39	32	42
NCA 05_Res_4576	17	73	60	31	0	52	39	47
NCA 05_Res_5013	13	63	51	28	0	45	37	45
NCA 05_Res_4985	14	70	58	30	0	50	36	45
NCA 07_Res_6609	0	52	59	54	0	43	53	55
NCA 07_Res_6610	0	54	46	42	0	38	44	49
NCA 07_Res_6611	0	48	50	49	0	38	41	49
NCA 10_Res_6612	0	0	40	36	30	36	34	0
NCA 02_Res_2479	0	52	42	30	0	38	39	0
NCA 07_Com_7043	0	42	61	62	34	60	40	42
NCA 03_Res_4344	15	68	51	25	0	46	33	0
NCA 03_Res_4330	15	84	76	28	0	55	32	0
NCA 03_Res_4329	15	76	63	22	0	50	27	0
NCA 03_Res_4343	16	71	57	26	0	48	31	0
NCA 03_Res_4326	15	71	49	26	0	49	32	0
NCA 03_Res_1019	15	70	50	26	0	49	32	0

NCA 03_Res_4622	13	82	75	25	0	53	31	0
NCA 11_Res_6613	0	0	44	37	18	42	38	0
NCA 07_Res_6614	0	40	49	48	32	47	39	36
NCA 04_Res_1473	38	67	43	21	0	28	26	33
NCA 09_Res_6615	0	0	69	66	37	63	47	0
NCA 01_Res_3596	0	71	58	29	0	54	36	0
NCA 01_Res_3633	0	74	61	26	0	56	33	0
NCA 06_Res_3401	8	63	53	48	0	43	46	57
NCA 06_Res_2044	9	53	42	39	0	35	34	47
NCA 08_Res_6616	0	33	48	46	34	46	33	34
NCA 08_Res_6617	0	20	41	39	38	40	32	26
NCA 04_Res_4386	38	84	58	35	0	31	34	30
NCA 04_Res_4504	40	82	55	35	0	28	38	31
NCA 07_Res_6618	0	49	45	43	18	34	36	44
NCA 01_Res_4280	0	49	37	29	0	39	31	0
NCA 01_Res_3550	0	66	48	47	0	48	28	0
NCA 01_Res_2176	0	53	40	33	0	41	26	0
NCA 11_Res_6619	0	0	69	51	0	38	38	0
NCA 11_Res_6620	0	0	51	39	0	48	44	0
NCA 13_Res_6621	0	0	32	0	0	0	0	0
NCA 01_Res_4916	0	51	39	26	0	39	27	0
NCA 05_Res_3255	17	82	71	52	0	64	60	60
NCA 05_Res_4115	17	75	62	30	0	55	39	45
NCA 11_Res_6622	0	0	46	35	0	37	37	0
NCA 10_Res_6623	0	0	45	37	0	40	41	0
NCA 10_Res_6624	0	0	44	41	0	41	45	0
NCA 04_Res_4112	33	70	62	55	0	45	59	36
NCA 04_Res_4054	29	60	49	43	0	41	44	34
NCA 05_Res_1919	23	69	56	27	0	42	35	43
NCA 05_Res_4172	16	66	50	26	0	42	34	42
NCA 07_Res_6625	0	56	60	59	25	41	48	54
NCA 11_Res_6626	0	0	47	34	0	37	36	0
NCA 02_Res_1552	0	56	47	38	0	41	49	0
NCA 02_Res_2642	0	56	47	38	0	42	44	0
NCA 02_Res_4427	15	58	43	31	0	37	40	0
NCA 02_Res_4993	11	57	42	30	0	43	38	0
NCA 08_Res_6627	0	41	49	44	31	44	36	39
NCA 07_Res_6628	0	43	60	58	27	55	36	38
NCA 03_Res_1912	26	70	52	35	0	50	39	0
NCA 03_Res_3017	26	69	53	35	0	48	39	0
NCA 06_PoW_1144	12	63	50	41	0	45	42	45
NCA 06_Com_1216	12	57	42	38	0	41	30	41
NCA 13_Res_6629	0	0	22	3	0	0	0	0
NCA 13_Res_6630	0	0	20	-1	0	0	0	0
NCA 07_Res_6631	0	52	45	42	28	41	37	44
NCA 06_Res_5160	0	60	54	51	0	46	39	65
NCA 07_Res_6632	0	49	45	43	18	34	36	44
NCA 02_Res_2142	0	57	46	33	0	38	44	0
NCA 02_Res_3621	0	53	42	29	0	38	37	0
NCA 02_Res_2554	0	55	45	28	0	42	34	0
NCA 08_Com_6633	0	26	41	40	38	39	30	29
NCA 08_Com_6634	0	21	36	35	31	37	31	27
NCA 07_Res_6635	0	48	49	45	28	45	36	41

NCA 10_Com_6636	0	0	41	39	16	48	40	0
NCA 10_Com_6637	0	0	43	39	22	41	40	0
NCA 03_Res_3350	36	69	56	54	0	38	56	35
NCA 07_Res_6638	0	48	45	44	21	38	36	43
NCA 03_Res_3196	28	72	62	60	0	44	66	26
NCA 04_Res_1756	25	59	43	25	0	38	32	41
NCA 08_Res_6639	0	41	70	69	40	66	69	39
NCA 06_Res_5108	0	58	56	52	0	48	54	64
NCA 07_Res_6640	0	46	49	47	15	33	35	44
NCA 07_Res_6641	0	40	52	49	16	31	28	38
NCA 08_Res_6642	0	44	59	54	35	54	43	40
NCA 03_Res_4520	18	87	81	32	0	64	48	0
NCA 13_Res_6643	0	0	29	0	0	0	0	0
NCA 11_Res_6644	0	0	49	35	0	36	37	0
NCA 01_Res_2445	0	64	55	38	0	47	47	0
NCA 07_Res_6646	0	52	50	49	21	37	38	48
NCA 03_Res_1094	28	61	49	36	0	41	39	16
NCA 02_Res_4439	0	62	51	43	0	42	52	0
NCA 11_Res_6647	0	0	71	48	0	55	52	0
NCA 11_Res_6648	0	0	60	32	0	37	35	0
NCA 10_Res_6649	0	0	42	39	30	42	39	0
NCA 08_Res_6650	0	44	43	40	21	39	38	40
NCA 09_Res_6651	0	0	40	40	27	38	31	0
NCA 07_Res_6652	0	34	44	41	17	41	26	32
NCA 07_Res_6653	0	41	45	43	17	43	31	39
NCA 07_Res_6654	0	53	64	65	31	43	38	46
NCA 07_Res_6655	0	56	54	53	30	40	42	51
NCA 04_Res_3108	33	66	54	50	0	36	53	40
NCA 04_Res_4076	43	67	54	50	0	35	54	26
NCA 03_Res_1795	20	65	53	27	0	45	32	0
NCA 03_Res_3684	26	68	55	31	0	47	36	18
NCA 03_Res_2063	27	82	70	42	0	60	45	35
NCA 03_Res_4143	21	81	69	33	0	58	38	33
NCA 06_Res_4758	8	53	41	32	0	39	32	41
NCA 06_Res_4997	6	53	42	36	0	38	33	43
NCA 03_Res_3491	26	68	56	36	0	48	40	37
NCA 01_Res_3560	0	74	61	30	0	55	35	0
NCA 11_Res_6656	0	0	53	45	0	50	48	0
NCA 03_Res_4235	20	62	49	29	0	43	34	37
NCA 03_Res_1663	15	59	42	25	0	42	31	0
NCA 09_Res_6657	0	0	47	47	24	42	37	0
NCA 03_Res_4501	15	61	41	23	0	42	31	0
NCA 03_Res_5018	15	61	43	24	0	41	34	0
NCA 06_Res_2030	16	70	57	34	0	57	55	64
NCA 06_Res_3988	16	61	50	35	0	52	46	58
NCA 06_Res_3812	0	58	49	47	0	38	42	52
NCA 03_Res_4711	23	60	46	28	0	40	34	0
NCA 04_Res_1545	33	58	52	46	0	36	39	31
NCA 10_Res_6658	0	0	40	38	24	37	32	0
NCA 01_Res_3645	0	56	43	34	0	44	28	0
NCA 01_Res_3950	0	56	43	36	0	44	28	0
NCA 01_Ind_2682	0	60	50	40	0	56	28	0
NCA 03_Res_1722	23	74	54	36	0	54	39	0

NCA 03_Res_4094	20	69	49	30	0	49	35	0
NCA 11_Res_6659	0	0	49	36	0	38	38	0
NCA 02_Res_4782	20	56	42	28	0	37	34	0
NCA 10_Res_6660	0	0	50	47	32	46	30	0
NCA 01_Res_3537	0	78	55	37	0	63	35	0
NCA 02_Res_3817	12	74	61	54	0	45	61	0
NCA 02_Res_3364	7	70	53	36	0	45	42	0
NCA 02_Res_3671	9	76	67	52	0	53	58	0
NCA 02_Res_3198	9	69	59	31	0	42	37	0
NCA 06_Res_2746	13	54	43	36	0	39	34	42
NCA 06_Res_3379	8	57	44	37	0	40	36	44
NCA 11_Res_6661	0	0	50	37	0	48	42	0
NCA 01_Res_2226	0	61	53	47	0	53	26	0
NCA 01_Res_2533	0	63	55	50	0	55	27	0
NCA 01_Res_1052	0	91	61	50	0	69	32	0
NCA 07_Res_6662	0	41	53	53	31	51	36	37
NCA 02_Res_2640	0	60	50	42	0	44	48	0
NCA 02_Res_1015	0	60	52	46	0	39	44	0
NCA 05_Res_2042	11	63	53	42	0	50	51	51
NCA 05_Res_3307	13	64	52	38	0	51	56	53
NCA 02_Res_4860	0	59	48	34	0	37	38	0
NCA 02_Res_1013	0	58	47	32	0	35	36	0
NCA 10_Res_6663	0	0	40	36	12	38	38	0
NCA 10_Res_6664	0	0	42	38	25	39	40	0
NCA 02_Res_3441	20	63	47	29	0	34	38	0
NCA 02_Res_3388	21	66	50	32	0	42	39	0
NCA 01_Med_3638	0	69	41	24	0	51	27	0
NCA 08_Res_6665	0	42	70	64	32	63	50	38
NCA 08_Res_6666	0	43	63	57	25	57	36	40
NCA 08_Res_6667	0	28	50	49	32	48	41	30
NCA 09_Res_6668	0	0	47	45	26	45	40	0
NCA 01_Res_2582	0	62	49	32	0	46	35	0
NCA 02_Res_4701	7	64	46	30	0	46	37	0
NCA 09_Res_6669	0	0	43	42	30	37	30	0
NCA 11_Res_6670	0	0	57	37	0	38	38	0
NCA 11_Res_6671	0	0	55	21	0	23	23	0
NCA 03_Res_4147	19	54	42	29	0	37	35	0
NCA 03_Res_4146	15	54	41	24	0	35	33	0
NCA 09_Res_6672	0	0	42	41	34	34	31	0
NCA 11_Res_6673	0	0	52	41	0	43	43	0
NCA 08_Res_6674	0	38	54	53	30	51	51	37
NCA 08_Res_6675	0	35	49	50	31	55	45	34
NCA 09_Res_6676	0	0	44	43	34	42	37	0
NCA 07_Res_6677	0	52	54	54	26	41	48	52
NCA 07_Res_6678	0	59	50	49	30	44	47	56
NCA 11_Res_6679	0	0	46	35	0	37	37	0
NCA 03_Com_4810	14	64	40	22	0	46	28	0
NCA 13_Res_6680	0	0	20	0	0	0	0	0
NCA 02_Res_1258	10	63	49	44	0	44	48	0
NCA 02_Res_3440	17	57	45	35	0	35	43	0
NCA 02_Res_1504	17	57	44	25	0	34	31	0
NCA 07_Res_6681	0	40	46	43	20	43	32	38
NCA 07_Res_6682	0	40	49	46	22	45	33	38

NCA 07_Res_6683	0	45	44	42	21	40	35	41
NCA 08_Res_6684	0	-1	48	48	49	41	31	15
NCA 08_Res_6685	0	4	41	39	31	44	31	20
NCA 01_Res_2605	0	69	54	49	0	51	26	0
NCA 08_Res_6686	0	37	48	47	32	46	38	36
NCA 02_Res_4587	16	60	44	29	0	43	35	0
NCA 06_Res_2191	6	56	39	32	0	40	30	42
NCA 02_Res_2765	10	65	50	40	0	37	45	0
NCA 09_Res_6687	0	0	47	46	38	31	26	0
NCA 09_Res_6688	0	0	44	42	31	30	27	0
NCA 11_Com_6689	0	0	48	35	0	39	37	0
NCA 10_Res_6690	0	0	56	52	16	51	56	0
NCA 09_Res_6691	0	0	45	44	27	39	33	0
NCA 09_Res_6693	0	0	41	39	26	39	33	0
NCA 05_Res_2051	14	63	50	32	0	44	33	47
NCA 05_Res_4149	13	67	52	34	0	47	37	51
NCA 10_Res_6694	0	0	49	35	0	45	43	0
NCA 10_Res_6695	0	0	51	35	0	47	46	0
NCA 11_Res_6696	0	0	66	39	0	37	37	0
NCA 01_Res_2676	0	68	56	30	0	51	34	0
NCA 01_Res_3903	0	78	64	35	0	59	39	0
NCA 02_Res_1128	0	59	46	31	0	41	39	0
NCA 04_Com_1269	59	68	55	40	0	36	41	39
NCA 03_Res_3783	25	78	60	37	0	62	40	0
NCA 03_Res_3465	21	79	60	27	0	64	32	0
NCA 05_Res_1327	12	58	45	30	0	43	35	46
NCA 05_Res_3830	11	61	47	31	0	43	37	46
NCA 03_Res_3400	28	76	64	35	0	56	39	34
NCA 05_Res_2031	11	71	56	33	0	50	41	46
NCA 05_Res_1554	12	74	59	34	0	53	44	52
NCA 01_Res_3899	0	67	50	38	0	52	32	0
NCA 02_Res_3033	12	66	49	36	0	44	43	0
NCA 13_Res_6697	0	0	32	2	0	0	0	0
NCA 07_Res_6698	0	46	45	43	21	42	35	41
NCA 13_Res_6699	0	0	22	1	0	0	0	0
NCA 13_Res_6700	0	0	21	0	0	0	0	0
NCA 02_Res_3431	8	72	63	40	0	42	40	0
NCA 10_Res_6701	0	0	47	42	0	45	45	0
NCA 10_Res_6702	0	0	41	39	0	39	40	0
NCA 09_Res_6703	0	0	69	68	32	64	44	0
NCA 09_Res_6704	0	0	53	52	19	50	41	0
NCA 09_Res_6705	0	0	51	50	26	47	40	0
NCA 08_Res_6706	0	0	41	41	46	37	32	0
NCA 08_Res_6707	0	0	42	42	46	38	32	0
NCA 03_Res_4117	17	62	49	26	0	41	34	0
NCA 03_Res_3072	13	64	49	27	0	42	36	0
NCA 10_CCC_6708	0	0	59	57	28	55	54	0
NCA 08_Res_6709	0	42	43	41	25	42	39	38
NCA 13_Res_6710	0	0	29	9	0	0	0	0
NCA 03_Res_3430	17	60	44	27	0	40	38	30
NCA 03_Res_4013	17	57	43	26	0	39	32	31
NCA 02_Res_3243	13	57	49	33	0	37	45	0
NCA 02_Res_3791	13	56	50	25	0	36	35	0

NCA 07_Res_6711	0	41	43	42	19	41	33	39
NCA 04_Res_2029	48	66	54	48	0	40	53	40
NCA 10_Res_6712	0	0	46	35	0	39	40	0
NCA 03_Res_3001	19	57	44	27	0	39	33	0
NCA 03_Res_4003	20	58	45	25	0	39	31	0
NCA 11_Res_6713	0	0	50	37	0	37	37	0
NCA 11_Res_6714	0	0	48	31	0	33	33	0
NCA 07_Res_6715	0	54	65	63	22	40	40	48
NCA 06_Com_2069	6	58	43	38	0	42	34	43
NCA 07_Res_6716	0	55	69	69	28	43	43	50
NCA 02_Res_3403	16	65	55	42	0	39	40	0
NCA 02_Res_3738	11	58	51	27	0	35	34	0
NCA 12_Com_6717	0	0	38	29	0	30	30	0
NCA 12_Com_6718	0	0	46	16	0	17	18	0
NCA 02_Res_2262	0	58	46	33	0	38	43	0
NCA 02_Res_1548	21	78	55	44	0	64	51	0
NCA 02_Res_5084	10	60	44	31	0	52	39	0
NCA 02_Res_3831	20	71	54	42	0	37	49	0
NCA 03_Res_3321	35	71	62	58	0	46	60	34
NCA 04_Res_1461	25	52	39	23	0	34	30	36
NCA 04_Res_3086	23	54	40	23	0	33	31	35
NCA 10_Res_6719	0	0	43	41	19	41	42	0
NCA 07_Res_6720	0	42	54	52	15	34	30	40
NCA 04_Res_3136	27	58	43	24	0	37	32	41
NCA 02_Res_3810	11	79	69	59	0	46	62	0
NCA 02_Res_4014	11	74	61	53	0	48	49	0
NCA 01_Res_2312	0	54	47	34	0	48	24	0
NCA 05_Res_3084	14	81	71	37	0	54	45	53
NCA 05_Res_3790	15	66	54	29	0	43	37	45
NCA 05_Res_2091	27	79	65	32	0	46	41	49
NCA 05_Res_4082	24	84	71	30	0	45	39	49
NCA 13_Res_6721	0	0	29	10	0	0	0	0
NCA 10_Res_6722	0	0	37	35	19	34	28	0
NCA 02_Res_3169	9	60	45	33	0	38	43	0
NCA 10_Res_6723	0	0	42	41	0	39	43	0
NCA 10_Res_6724	0	0	48	42	0	44	44	0
NCA 07_Res_6725	0	41	69	69	30	43	34	41
NCA 13_Res_6726	0	0	23	0	0	0	0	0
NCA 10_Res_6727	0	0	56	55	23	52	60	0
NCA 09_Res_6728	0	0	42	47	26	37	34	0
NCA 07_Res_6729	0	53	50	50	31	41	44	51
NCA 13_Res_6730	0	0	32	0	0	0	0	0
NCA 06_Res_5166	0	70	64	65	0	53	48	71
NCA 06_Res_5167	0	69	63	64	0	51	47	70
NCA 07_Res_6731	0	38	50	49	33	48	33	38
NCA 02_Res_1875	4	60	39	26	0	37	34	0
NCA 03_Res_1576	28	74	60	35	0	51	39	0
NCA 02_Res_2932	17	57	42	29	0	39	38	0
NCA 07_Res_6732	0	53	59	58	21	39	39	47
NCA 01_Res_2526	0	68	56	27	0	52	32	0
NCA 06_Res_1797	0	59	50	46	0	39	41	55
NCA 11_Res_6733	0	0	49	37	0	37	38	0
NCA 13_Res_6734	0	0	29	8	0	0	0	0

NCA 01_Res_3963	0	87	74	31	0	66	29	0
NCA 01_Res_4219	0	96	86	40	0	71	37	0
NCA 02_Res_4388	6	58	45	38	0	36	52	0
NCA 02_Res_4608	11	59	50	24	0	28	33	0
NCA 11_Res_6735	0	0	70	55	0	65	62	0
NCA 11_Res_6736	0	0	54	36	0	51	40	0
NCA 10_Res_6737	0	0	50	47	18	48	47	0
NCA 11_Res_6738	0	0	44	32	0	35	35	0
NCA 11_Res_6739	0	0	65	40	0	61	49	0
NCA 01_Res_2674	0	54	43	34	0	45	29	0
NCA 10_Res_6740	0	0	45	41	29	40	40	0
NCA 10_Res_6741	0	0	37	34	10	35	36	0
NCA 10_Res_6742	0	0	51	48	15	48	52	0
NCA 11_Res_6743	0	0	67	60	0	36	37	0
NCA 08_Res_6744	0	31	52	51	28	51	41	31
NCA 03_Res_3475	25	77	67	31	0	58	35	0
NCA 11_Res_6745	0	0	70	52	0	60	56	0
NCA 11_Res_6746	0	0	56	41	0	43	44	0
NCA 05_Res_5040	29	84	74	34	0	47	42	49
NCA 05_Res_4772	29	79	65	29	0	42	38	46
NCA 03_Res_3686	16	54	42	25	0	36	31	28
NCA 03_Res_4134	15	53	40	22	0	35	28	22
NCA 06_Res_5138	-4	58	55	53	0	47	46	65
NCA 07_Res_6747	0	40	61	60	29	57	39	36
NCA 03_Res_1444	23	61	53	43	0	42	48	36
NCA 03_Res_3143	22	62	50	35	0	42	40	30
NCA 01_Res_4864	0	76	56	31	0	58	34	0
NCA 01_Res_2169	0	67	52	52	0	51	26	0
NCA 08_Res_6748	0	36	43	41	27	42	35	35
NCA 08_Res_6749	0	29	43	43	30	47	36	31
NCA 03_Res_1933	24	60	47	29	0	40	33	0
NCA 03_Res_4179	23	62	49	29	0	42	35	0
NCA 10_Res_6750	0	0	68	62	25	63	69	0
NCA 10_Res_6751	0	0	55	51	24	51	57	0
NCA 10_Res_6752	0	0	59	54	16	55	61	0
NCA 02_Res_3796	6	68	53	39	0	39	51	0
NCA 02_Res_1614	14	69	53	41	0	46	50	0
NCA 10_Res_6753	0	0	48	45	16	45	47	0
NCA 10_Res_6754	0	0	42	39	12	39	42	0
NCA 10_Res_6755	0	0	51	49	32	47	36	0
NCA 08_Res_6756	0	0	59	61	64	50	37	0
NCA 06_Res_5114	0	71	62	57	0	51	60	68
NCA 03_Res_3727	16	57	44	28	0	38	32	26
NCA 03_Res_3369	20	57	45	28	0	39	34	35
NCA 04_Res_2026	25	62	52	40	0	43	47	33
NCA 04_Res_3768	24	58	49	45	0	38	51	33
NCA 11_Res_6757	0	0	47	36	0	38	37	0
NCA 02_Res_2534	0	72	64	53	0	38	43	0
NCA 02_Res_2668	0	71	60	39	0	40	38	0
NCA 07_Res_6758	0	60	61	61	26	41	48	55
NCA 08_Res_6759	0	0	55	56	60	40	28	0
NCA 02_Res_1318	15	77	69	40	0	43	57	0
NCA 06_Com_1194	10	60	45	30	0	45	37	49

NCA 03_Res_1926	25	60	47	30	0	41	35	0
NCA 10_Res_6760	0	0	42	39	0	39	39	0
NCA 10_Res_6761	0	0	42	38	0	38	41	0
NCA 02_Res_4954	3	63	52	35	0	38	35	0
NCA 02_Res_5004	0	55	45	35	0	36	34	0
NCA 01_Res_3525	0	52	39	25	0	36	31	0
NCA 02_Res_1082	5	56	44	29	0	39	37	0
NCA 02_Res_3509	-2	54	41	26	0	38	34	0
NCA 04_Com_5094	34	65	45	32	0	35	36	36
NCA 03_Res_3467	20	55	44	30	0	36	36	33
NCA 03_Res_4150	21	55	44	31	0	37	37	37
NCA 11_Res_6762	0	0	66	28	0	29	29	0
NCA 01_Res_2144	0	67	50	34	0	50	23	0
NCA 01_Res_3888	0	53	39	28	0	38	31	0
NCA 07_Res_6763	0	44	48	46	29	46	31	36
NCA 11_Res_6764	0	0	45	38	0	40	40	0
NCA 11_Res_6765	0	0	41	36	0	37	36	0
NCA 10_Res_6766	0	0	38	33	0	35	38	0
NCA 10_Res_6767	0	0	42	34	0	37	38	0
NCA 10_Res_6768	0	0	49	49	22	57	54	0
NCA 06_Res_1927	8	80	71	61	0	58	62	44
NCA 06_Res_3371	18	59	48	43	0	44	38	45
NCA 06_Res_1045	6	53	41	34	0	37	32	43
NCA 13_Res_6769	0	0	32	0	0	0	0	0
NCA 13_Res_6770	0	0	25	0	0	0	0	0
NCA 11_Res_6771	0	0	70	57	0	65	64	0
NCA 11_Res_6772	0	0	56	50	0	53	54	0
NCA 08_Res_6773	0	0	34	33	33	33	26	0
NCA 11_Res_6774	0	0	46	32	0	35	34	0
NCA 02_Res_2708	0	51	39	28	0	34	36	0
NCA 02_Res_4030	0	53	41	28	0	37	36	0
NCA 01_Res_2573	0	71	56	55	0	56	25	0
NCA 01_Res_3553	0	56	44	36	0	45	26	0
NCA 02_Res_1788	12	79	48	34	0	49	42	0
NCA 02_Res_3240	14	69	49	37	0	46	45	0
NCA 07_Com_6775	0	51	55	57	33	79	41	45
NCA 03_Res_1439	24	74	61	33	0	54	37	0
NCA 03_Res_4164	20	68	54	28	0	48	33	0
NCA 04_Res_1851	37	55	44	29	0	35	33	37
NCA 10_Res_6776	0	0	42	37	0	39	40	0
NCA 03_Res_1909	28	72	64	54	0	51	59	32
NCA 03_Res_3724	24	63	53	36	0	44	42	28
NCA 09_Res_6777	0	0	75	75	46	43	36	0
NCA 09_Res_6778	0	0	63	63	29	33	29	0
NCA 09_Res_6779	0	0	74	74	44	42	31	0
NCA 09_Res_6780	0	0	72	72	35	37	27	0
NCA 07_Com_6781	0	46	61	60	30	52	40	47
NCA 07_Com_6782	0	53	79	75	31	47	40	47
NCA 07_Com_6783	0	53	71	69	31	48	40	47
NCA 01_Com_4938	0	60	42	36	0	43	25	0
NCA 07_Res_6784	0	59	70	69	26	40	45	53
NCA 07_Res_6785	0	60	56	55	19	40	46	54
NCA 08_Res_6786	0	29	49	51	26	51	36	33

NCA 08_Res_6787	0	38	49	51	25	60	46	35
NCA 11_Res_6788	0	0	71	43	0	39	38	0
NCA 05_Res_3448	23	68	56	26	0	40	32	42
NCA 04_Res_4290	26	59	48	41	0	40	46	33
NCA 04_Res_5071	29	64	53	48	0	43	54	33
NCA 01_Res_2794	0	48	37	28	0	40	28	0
NCA 07_Res_6789	0	50	44	41	22	40	38	45
NCA 06_Res_2971	0	85	72	67	0	56	49	72
NCA 06_Res_5148	0	73	61	56	0	46	48	63
NCA 02_Res_1346	0	69	60	50	0	40	43	0
NCA 02_Res_3986	0	81	67	34	0	38	38	0
NCA 11_Res_6790	0	0	55	42	0	44	44	0
NCA 06_Res_5111	0	63	60	55	0	51	58	68
NCA 06_Res_5112	0	63	53	50	0	43	44	58
NCA 10_Res_6791	0	0	41	38	18	38	37	0
NCA 11_Res_6792	0	0	53	35	0	40	37	0
NCA 11_Res_6793	0	0	56	39	0	42	42	0
NCA 07_Res_6794	0	54	70	69	26	40	43	51
NCA 06_CCC_6000	18	65	55	48	0	47	45	54
NCA 03_Res_1336	16	67	49	27	0	45	32	0
NCA 03_Res_1294	17	69	47	28	0	47	33	0
NCA 01_Res_5047	0	69	53	30	0	52	36	0
NCA 01_Res_4827	0	66	48	25	0	49	25	0
NCA 07_Res_6795	0	47	57	56	25	37	37	46
NCA 10_Res_6796	0	0	47	46	26	44	36	0
NCA 10_Res_6797	0	0	51	50	34	47	42	0
NCA 03_Res_4770	28	67	53	33	0	45	35	0
NCA 03_Res_4786	15	65	51	23	0	44	30	0
NCA 03_Res_4999	21	62	49	26	0	42	32	0
NCA 03_Res_4635	25	69	55	28	0	47	33	0
NCA 03_Res_5001	27	68	53	31	0	46	35	0
NCA 06_Res_4403	5	52	40	36	0	37	32	42
NCA 06_Res_4779	6	58	45	37	0	42	32	42
NCA 06_Res_3119	11	64	51	41	0	45	38	49
NCA 06_Res_4106	4	54	41	33	0	38	30	39
NCA 03_Res_4027	21	61	46	29	0	41	35	0
NCA 03_Res_2188	22	62	47	32	0	41	35	0
NCA 01_Res_3576	0	71	57	55	0	57	26	0
NCA 06_Res_4259	11	54	42	33	0	36	34	41
NCA 06_Res_3109	8	55	43	37	0	40	35	46
NCA 06_Res_1852	15	80	67	52	0	67	58	73
NCA 06_Res_3366	14	72	60	39	0	60	43	66
NCA 11_Res_6798	0	0	46	39	0	42	41	0
NCA 11_Res_6799	0	0	39	27	0	30	29	0
NCA 04_Res_1592	35	57	47	35	0	38	38	40
NCA 07_Res_6800	0	42	48	46	28	45	35	39
NCA 01_Res_3883	0	66	48	36	0	51	23	0
NCA 09_Res_6801	0	0	43	42	35	34	32	0
NCA 13_Res_6802	0	0	33	14	0	0	0	0
NCA 02_Res_4417	6	62	47	27	0	38	32	0
NCA 02_Res_5020	6	62	47	24	0	39	31	0
NCA 07_Res_6803	0	44	42	40	18	39	33	40
NCA 07_Res_6804	0	46	51	51	0	37	49	49

NCA 03_Res_3299	34	90	79	58	0	65	62	33
NCA 13_Res_6805	0	0	31	23	0	24	25	0
NCA 13_Res_6806	0	0	32	21	0	22	24	0
NCA 13_Res_6807	0	0	32	21	0	23	24	0
NCA 02_Caf_6062	3	75	46	30	0	64	38	0
NCA 02_Com_3819	8	75	44	29	0	67	36	0
NCA 02_Com_3484	3	64	44	25	0	45	30	0
NCA 06_Res_1860	0	57	48	46	0	39	43	52
NCA 02_Res_3857	15	61	44	32	0	47	41	0
NCA 02_Res_2999	7	78	59	49	0	62	55	0
NCA 03_Res_3234	14	88	80	40	0	55	52	0
NCA 03_Res_4032	10	72	62	27	0	41	38	0
NCA 07_Res_6808	0	58	50	51	26	40	43	51
NCA 07_Res_6809	0	54	51	50	27	38	43	53
NCA 03_Res_5002	14	55	46	29	0	38	39	0
NCA 07_Res_6810	0	41	54	53	34	51	37	38
NCA 07_Res_6811	0	40	42	42	31	39	36	39
NCA 03_Res_4333	31	90	79	54	0	64	58	32
NCA 03_Res_4346	24	65	53	37	0	45	42	30
NCA 04_Res_3407	26	62	44	24	0	37	32	41
NCA 10_Res_6812	0	0	51	49	16	48	48	0
NCA 08_Res_6813	0	0	42	41	45	39	34	0
NCA 03_Res_1944	16	74	57	29	0	48	35	27
NCA 07_Res_6814	0	58	54	53	29	42	48	56
NCA 02_Com_4419	15	81	57	46	0	70	52	0
NCA 03_Res_2012	23	68	50	35	0	48	38	0
NCA 03_Res_3396	13	60	43	27	0	41	33	0
NCA 02_Res_2139	0	55	46	40	0	39	49	0
NCA 10_Com_6815	0	0	44	42	13	52	42	0
NCA 10_Com_6816	0	0	57	55	32	65	60	0
NCA 08_Res_6817	0	26	70	66	41	66	74	28
NCA 08_Res_6818	0	30	57	55	32	54	63	31
NCA 06_Res_5139	-4	60	57	55	0	49	48	68
NCA 09_Res_6819	0	0	44	43	36	42	38	0
NCA 07_Res_6820	0	37	43	42	24	37	30	36
NCA 07_Res_6821	0	49	49	48	12	32	35	46
NCA 02_Res_1953	22	56	43	30	0	38	36	0
NCA 02_Res_3275	13	54	40	27	0	39	34	0
NCA 05_Res_2195	12	59	46	29	0	42	37	44
NCA 05_Res_3230	11	60	47	30	0	43	37	46
NCA 10_Res_6822	0	0	46	44	22	47	49	0
NCA 10_Res_6823	0	0	40	37	18	38	36	0
NCA 02_Res_2878	0	60	51	31	0	44	39	0
NCA 02_Res_3875	0	57	46	30	0	42	37	0
NCA 09_Res_6824	0	0	48	46	27	44	38	0
NCA 01_Ind_4350	0	59	48	39	0	64	26	0
NCA 04_Res_4080	22	54	40	23	0	35	29	40
NCA 04_Res_2193	25	59	45	27	0	39	35	42
NCA 08_Res_6825	0	29	43	42	27	46	41	32
NCA 13_Res_6826	0	0	32	11	0	0	0	0
NCA 08_Res_6827	0	40	52	48	26	48	37	40
NCA 08_Res_6829	0	44	51	46	22	46	41	40
NCA 01_Res_2737	0	74	61	29	0	56	34	0

NCA 01_Res_3529	0	78	64	36	0	59	39	0
NCA 06_Res_5125	0	57	48	44	0	41	42	54
NCA 06_Res_5162	0	55	51	48	0	43	46	60
NCA 02_Com_1134	0	69	58	41	0	51	47	0
NCA 01_Res_2579	0	56	45	35	0	47	23	0
NCA 01_Res_2371	0	52	41	29	0	41	24	0
NCA 02_Res_4636	16	58	47	32	0	41	40	0
NCA 10_Res_6830	0	0	70	65	35	64	55	0
NCA 03_Res_1469	10	62	45	27	0	42	34	0
NCA 03_Res_3360	15	65	46	32	0	44	36	0
NCA 02_Res_1206	0	54	45	33	0	41	37	0
NCA 05_Res_2099	14	83	72	63	0	68	73	68
NCA 05_Res_4052	13	67	55	39	0	52	60	51
NCA 04_Res_1808	28	57	49	40	0	38	37	37
NCA 01_Com_4316	0	43	46	25	0	57	17	0
NCA 07_Res_6831	0	36	46	43	22	43	31	35
NCA 11_Res_6832	0	0	53	33	0	35	34	0
NCA 10_Res_6833	0	0	54	39	0	51	45	0
NCA 10_Res_6834	0	0	47	35	0	43	39	0
NCA 10_Res_6835	0	0	45	43	16	43	44	0
NCA 07_Res_6836	0	43	55	56	33	55	36	40
NCA 11_Res_6837	0	0	71	38	0	38	38	0
NCA 11_Res_6838	0	0	52	37	0	38	37	0
NCA 02_Res_4903	20	77	63	60	0	45	56	0
NCA 02_Res_4404	19	75	61	59	0	41	60	0
NCA 03_Res_1787	19	73	60	27	0	52	32	30
NCA 03_Res_3319	22	74	61	30	0	53	35	28
NCA 02_Res_2038	12	60	47	30	0	39	39	0
NCA 02_Res_3786	9	62	49	32	0	38	43	0
NCA 02_Res_1717	21	77	50	36	0	64	43	0
NCA 02_Res_4961	10	64	44	30	0	53	39	0
NCA 01_Com_6000	0	80	66	37	0	62	41	0
NCA 01_Res_3976	0	58	49	38	0	42	44	0
NCA 01_Res_3644	0	55	45	31	0	40	40	0
NCA 06_Res_1657	18	73	65	59	0	46	37	50
NCA 06_Res_4119	7	82	81	70	0	56	52	60
NCA 11_Res_6839	0	0	54	33	0	35	35	0
NCA 11_Res_6840	0	0	56	38	0	40	40	0
NCA 05_Res_3828	16	65	51	29	0	45	36	45
NCA 05_Res_2168	14	64	50	28	0	44	34	43
NCA 07_Res_6841	0	34	44	42	22	41	31	33
NCA 05_Res_1655	15	68	56	31	0	49	32	42
NCA 05_Res_3815	15	62	50	26	0	43	34	43
NCA 02_Res_4893	0	86	83	63	0	70	66	0
NCA 02_Res_4929	0	88	84	61	0	70	65	0
NCA 03_Res_3740	13	60	57	31	0	38	41	0
NCA 03_Res_3030	15	60	52	27	0	37	37	0
NCA 10_Res_6842	0	0	70	68	0	65	73	0
NCA 02_Res_4319	0	88	74	53	0	41	44	0
NCA 07_Res_6843	0	42	51	49	27	48	37	39
NCA 07_Res_6844	0	40	41	39	20	39	30	38
NCA 01_Res_2791	0	80	72	52	0	58	22	0
NCA 04_Res_4413	30	58	44	29	0	38	35	40

NCA 02_Res_2472	0	55	44	30	0	41	39	0
NCA 07_Res_6845	0	59	53	52	28	40	44	53
NCA 09_Res_6846	0	0	46	44	25	44	39	0
NCA 13_Res_6847	0	0	22	11	0	16	15	0
NCA 10_Res_6848	0	0	66	61	24	62	68	0
NCA 06_Res_1263	10	80	69	59	0	60	55	52
NCA 01_Res_1123	0	86	74	48	0	65	54	0
NCA 02_Res_2235	0	66	57	35	0	34	38	0
NCA 02_Res_4597	14	67	63	33	0	39	43	0
NCA 02_Res_5006	11	67	63	31	0	37	42	0
NCA 02_Res_2990	13	72	58	38	0	49	45	0
NCA 02_Res_4580	16	57	40	25	0	41	32	0
NCA 02_Res_5016	13	56	44	33	0	43	41	0
NCA 07_Res_6849	0	42	45	44	19	34	33	43
NCA 07_Res_6850	0	51	55	54	13	35	39	47
NCA 08_Res_6851	0	41	42	41	33	42	37	38
NCA 10_Res_6852	0	0	42	38	29	40	37	0
NCA 10_Res_6853	0	0	41	38	28	42	37	0
NCA 03_Res_1993	26	80	71	36	0	62	42	35
NCA 07_Res_6854	0	58	50	47	29	43	48	57
NCA 07_Res_6855	0	47	50	50	20	34	37	46
NCA 11_Res_6856	0	0	58	36	0	38	38	0
NCA 03_Res_4752	15	63	43	22	0	43	29	0
NCA 03_Res_5037	16	61	43	24	0	43	31	0
NCA 02_Res_1871	19	58	46	33	0	40	42	0
NCA 04_Res_1911	26	62	47	27	0	40	35	43
NCA 11_Res_6857	0	0	55	37	0	39	39	0
NCA 11_Res_6858	0	0	47	24	0	25	25	0
NCA 05_Res_4646	13	69	57	37	0	56	52	57
NCA 05_Res_3436	13	71	58	39	0	57	56	59
NCA 09_Res_6859	0	0	40	43	24	35	30	0
NCA 13_EDU_6860	0	0	32	15	0	25	0	0
NCA 13_EDU_6861	0	0	31	12	0	21	0	0
NCA 02_Res_4735	16	73	66	33	0	43	44	0
NCA 02_Res_5083	14	84	78	38	0	41	53	0
NCA 02_Res_2205	0	51	39	26	0	34	35	0
NCA 01_Res_4891	0	58	45	30	0	43	31	0
NCA 01_Res_4959	0	55	42	25	0	39	29	0
NCA 10_Res_6863	0	0	43	39	26	40	40	0
NCA 04_Res_4726	36	56	46	32	0	37	37	39
NCA 04_Res_4610	32	56	44	32	0	37	36	40
NCA 04_Res_4905	36	55	45	34	0	36	38	40
NCA 04_Res_2095	38	57	46	29	0	36	33	39
NCA 01_Res_2385	0	64	46	40	0	48	26	0
NCA 01_Res_4174	0	71	54	50	0	52	22	0
NCA 07_Res_6864	0	46	52	51	29	49	35	38
NCA 06_Res_1217	14	72	60	38	0	59	60	66
NCA 01_Res_2336	0	59	46	34	0	43	40	0
NCA 01_Res_4200	0	52	39	25	0	36	31	0
NCA 01_Res_3598	0	51	38	23	0	36	29	0
NCA 01_Res_2843	0	63	51	32	0	43	40	0
NCA 01_Res_3897	0	56	46	30	0	41	38	0
NCA 07_Res_6865	0	54	58	59	16	37	41	49

NCA 13_Res_6866	0	0	24	0	0	0	0	0
NCA 13_Res_6867	0	0	33	0	0	0	0	0
NCA 04_Res_1399	33	70	62	52	0	45	55	36
NCA 03_Res_3680	28	75	64	37	0	54	40	0
NCA 03_Res_4034	20	71	55	27	0	51	32	0
NCA 07_Res_6868	0	39	42	40	31	39	36	37
NCA 09_Res_6869	0	0	53	53	35	35	34	0
NCA 10_POW_6870	0	0	52	52	21	49	55	0
NCA 10_Res_6871	0	0	45	41	20	42	44	0
NCA 04_Res_1844	27	70	61	57	0	50	62	31
NCA 04_Res_3210	23	60	46	27	0	40	35	42
NCA 04_Res_4118	23	55	41	24	0	35	30	40
NCA 05_Res_1239	17	65	51	29	0	44	36	45
NCA 11_Res_6872	0	0	45	28	0	30	30	0
NCA 12_Com_6873	0	0	53	32	0	31	31	0
NCA 12_Com_6874	0	0	50	34	0	35	35	0
NCA 12_Com_6875	0	0	61	36	0	37	37	0
NCA 12_Com_6876	0	0	50	33	0	34	34	0
NCA 12_Com_6877	0	0	50	33	0	34	34	0
NCA 03_Res_1652	26	83	71	45	0	60	50	36
NCA 03_Res_4107	31	91	87	45	0	66	50	36
NCA 08_Res_6878	0	0	44	43	47	36	29	0
NCA 08_Res_6879	0	0	51	47	52	33	29	0
NCA 08_Res_6880	0	36	56	51	25	50	52	35
NCA 12_Com_6881	0	0	29	18	0	20	20	0
NCA 12_Com_6882	0	0	29	22	0	23	24	0
NCA 10_Res_6883	0	0	62	62	18	59	63	0
NCA 10_Res_6884	0	0	61	60	12	58	61	0
NCA 13_Res_6885	0	0	33	14	0	0	0	0
NCA 13_Res_6886	0	0	23	2	0	0	0	0
NCA 11_Res_6887	0	0	51	31	0	23	23	0
NCA 04_Res_3385	37	59	46	28	0	32	32	32
NCA 04_Res_4028	35	57	44	30	0	34	34	36
NCA 02_Res_3747	11	61	48	38	0	35	45	0
NCA 09_Res_6888	0	0	69	66	59	43	35	0
NCA 02_Res_3295	11	64	48	29	0	44	37	0
NCA 02_Res_3493	12	64	47	33	0	42	41	0
NCA 13_Res_6889	0	0	34	13	0	0	0	0
NCA 07_Res_6890	0	31	46	44	20	43	28	30
NCA 01_Ind_1070	0	60	49	38	0	55	28	0
NCA 06_Com_1141	8	63	39	30	0	48	32	48
NCA 04_Res_1780	25	56	43	33	0	36	37	35
NCA 01_Res_2892	0	61	45	44	0	44	23	0
NCA 04_Res_3115	43	63	52	33	0	38	36	40
NCA 11_Res_6891	0	0	70	38	0	39	38	0
NCA 11_Res_6892	0	0	78	39	0	39	39	0
NCA 03_Res_3191	26	71	54	36	0	49	40	0
NCA 03_Res_4070	19	65	51	28	0	43	34	0
NCA 02_Res_4791	0	58	47	37	0	39	40	0
NCA 02_Res_4607	-3	55	44	35	0	41	33	0
NCA 12_EDU_6893	0	0	39	34	0	36	36	0
NCA 12_EDU_6894	0	0	39	33	0	34	34	0
NCA 06_Res_5158	0	54	47	43	0	38	48	52

NCA 08_Res_6895	0	42	57	50	29	48	50	39
NCA 03_Res_1714	23	62	50	39	0	43	43	37
NCA 05_Res_1418	10	70	56	44	0	56	42	62
NCA 05_Res_3842	11	71	57	45	0	57	41	64
NCA 11_Res_6896	0	0	50	37	0	47	42	0
NCA 01_Res_1121	0	56	39	36	0	41	27	0
NCA 07_Res_6897	0	40	50	48	34	48	39	38
NCA 03_Res_4588	15	66	52	28	0	43	31	0
NCA 03_Res_1037	15	75	58	23	0	51	29	0
NCA 10_Res_6898	0	0	45	43	15	43	45	0
NCA 10_Res_6899	0	0	49	46	15	46	51	0
NCA 01_Res_2855	0	65	49	37	0	50	34	0
NCA 03_Res_1483	19	64	47	27	0	44	33	33
NCA 03_Res_1339	15	62	47	27	0	42	35	31
NCA 03_Res_1931	28	69	55	37	0	48	41	0
NCA 03_Res_4127	22	62	49	30	0	42	34	0
NCA 07_Res_6900	0	57	53	53	25	41	48	56
NCA 02_Res_1696	18	79	70	47	0	50	62	0
NCA 02_Res_4044	15	68	55	40	0	44	49	0
NCA 01_Res_2319	0	70	57	28	0	53	34	0
NCA 01_Res_3617	0	77	64	34	0	59	37	0
NCA 02_Res_2760	14	64	48	37	0	45	44	0
NCA 02_Res_3049	14	59	44	31	0	40	39	0
NCA 09_Res_6901	0	0	46	45	27	43	38	0
NCA 03_Res_1069	13	53	41	25	0	33	34	0
NCA 03_Res_4806	17	54	42	26	0	34	33	0
NCA 03_Res_5021	11	58	51	30	0	39	39	0
NCA 08_Res_6902	0	41	58	54	32	54	49	38
NCA 13_Res_6903	0	0	33	21	0	23	25	0
NCA 02_Res_4690	12	55	41	32	0	40	42	0
NCA 07_Res_6904	0	50	69	68	17	35	39	49
NCA 03_Res_2753	15	62	45	29	0	42	37	29
NCA 03_Res_3847	17	60	46	28	0	42	34	27
NCA 11_Res_6905	0	0	61	50	0	58	50	0
NCA 01_Res_2517	0	66	51	43	0	52	33	0
NCA 08_Res_6906	0	0	50	49	49	38	31	0
NCA 08_Res_6907	0	0	41	38	38	37	31	0
NCA 09_Res_6908	0	0	52	54	48	35	29	0
NCA 02_Res_3447	18	82	68	53	0	47	61	0
NCA 06_Res_4459	9	59	47	40	0	44	40	49
NCA 10_Res_6909	0	0	50	48	29	47	41	0
NCA 10_Res_6910	0	0	56	53	34	51	34	0
NCA 04_Com_4310	47	63	50	34	0	34	39	28
NCA 03_Res_3455	24	63	48	32	0	42	35	0
NCA 03_Res_3426	17	55	43	25	0	37	33	0
NCA 04_Res_4342	36	88	76	30	0	42	38	45
NCA 04_Res_4336	29	78	67	24	0	37	32	41
NCA 04_Res_4328	27	74	60	27	0	36	30	40
NCA 04_Res_4325	30	78	63	31	0	43	38	45
NCA 04_Res_4331	22	80	65	31	0	43	38	46
NCA 04_Res_4340	34	85	78	32	0	43	38	46
NCA 04_Res_4324	26	73	59	23	0	33	27	34
NCA 04_Res_4335	35	85	78	30	0	43	38	45

NCA 04_Res_4338	21	79	63	31	0	43	38	46
NCA 04_Res_2050	47	66	54	50	0	37	54	40
NCA 04_Res_4065	44	67	55	51	0	39	54	38
NCA 04_Res_1282	26	63	41	25	0	34	29	39
NCA 10_Res_6911	0	0	44	42	33	41	40	0
NCA 06_Res_4562	11	60	50	43	0	44	42	50
NCA 06_Caf_6051	6	54	38	31	0	39	29	44
NCA 06_Com_3785	13	55	43	29	0	44	36	50
NCA 07_Res_6912	0	43	54	51	22	50	35	39
NCA 02_Res_1978	12	64	48	38	0	46	46	0
NCA 02_Res_3993	14	57	43	33	0	40	39	0
NCA 07_Res_7027	0	39	67	65	31	62	40	38
NCA 13_Res_6913	0	0	31	11	0	0	0	0
NCA 03_Res_4243	22	67	55	38	0	43	48	0
NCA 06_Res_1843	9	72	48	39	0	53	38	46
NCA 09_Res_6914	0	0	47	46	27	43	36	0
NCA 02_Res_3187	16	54	41	26	0	42	40	0
NCA 02_Res_3405	11	55	39	25	0	44	33	0
NCA 04_Res_2060	37	55	44	29	0	37	34	39
NCA 04_Res_4000	30	56	43	29	0	38	34	40
NCA 02_Res_3709	12	59	45	28	0	41	37	0
NCA 02_Res_3062	15	56	45	27	0	40	34	0
NCA 04_Res_2713	27	67	42	24	0	36	30	40
NCA 13_Res_6915	0	0	33	13	0	0	0	0
NCA 13_Res_6916	0	0	33	13	0	0	0	0
NCA 10_Res_6917	0	0	42	37	25	38	38	0
NCA 13_Res_6918	0	0	16	0	0	0	0	0
NCA 03_Res_1742	19	65	49	22	0	43	30	0
NCA 03_Res_3092	14	64	48	21	0	43	26	0
NCA 01_Res_2407	0	59	47	36	0	48	26	0
NCA 01_Res_2429	0	61	47	38	0	48	26	0
NCA 06_Res_5161	0	59	54	51	0	45	41	65
NCA 07_Res_6919	0	40	48	47	17	33	29	38
NCA 07_Res_6920	0	48	58	57	16	36	34	45
NCA 09_Res_6921	0	0	41	40	26	39	36	0
NCA 11_Res_6922	0	0	68	53	0	39	38	0
NCA 11_Res_6923	0	0	57	42	0	43	44	0
NCA 05_Res_3415	15	59	47	25	0	37	29	38
NCA 10_Res_6924	0	0	56	55	24	53	60	0
NCA 10_Res_6925	0	0	67	66	30	63	70	0
NCA 06_Com_4799	15	54	41	34	0	40	33	43
NCA 02_Res_3587	0	52	41	29	0	39	39	0
NCA 07_Res_6926	0	55	65	65	20	38	41	49
NCA 07_Res_6927	0	42	51	47	20	39	33	42
NCA 01_Res_1181	0	58	45	31	0	42	35	0
NCA 10_Com_6928	0	0	40	39	31	41	40	0
NCA 10_Com_6929	0	0	44	43	31	41	49	0
NCA 10_Com_6930	0	0	44	42	32	49	38	0
NCA 07_Res_6931	0	44	45	43	33	42	33	39
NCA 07_Res_6932	0	44	43	42	0	29	34	42
NCA 07_Res_6933	0	46	47	47	15	36	33	45
NCA 07_Res_6934	0	47	58	57	17	40	34	45
NCA 01_Edu_1155	0	57	45	33	0	41	40	0

NCA 01_Edu_1126	0	57	47	37	0	42	43	0
NCA 01_Edu_1117	0	53	41	26	0	38	33	0
NCA 09_Res_6935	0	0	54	53	52	34	29	0
NCA 05_Res_1907	18	64	49	32	0	43	35	48
NCA 02_Res_1364	13	64	50	39	0	35	47	0
NCA 11_Res_6936	0	0	46	42	17	44	44	0
NCA 07_Res_6937	0	39	71	69	37	66	48	37
NCA 03_Res_1952	24	73	54	36	0	50	39	0
NCA 08_Res_6938	0	0	47	46	50	37	30	0
NCA 08_Res_6939	0	42	53	48	22	47	51	38
NCA 07_Res_6940	0	53	49	47	0	40	41	51
NCA 09_Res_6941	0	0	38	37	31	30	29	0
NCA 02_Res_1571	13	64	46	36	0	47	46	0
NCA 02_Res_3011	10	58	42	29	0	43	36	0
NCA 13_Res_6942	0	0	30	12	0	24	0	0
NCA 07_Res_6943	0	52	49	48	29	41	43	51
NCA 01_Res_4431	0	84	75	40	0	67	37	0
NCA 02_Res_2687	0	60	48	31	0	36	37	0
NCA 04_Res_1287	28	57	48	36	0	38	40	39
NCA 04_Res_2984	28	57	46	36	0	38	38	35
NCA 07_Res_6944	0	39	49	47	29	48	41	36
NCA 03_Res_1940	28	66	53	37	0	46	40	0
NCA 07_Res_6945	0	47	45	45	27	39	39	49
NCA 02_Res_2476	0	73	66	63	0	43	44	0
NCA 02_Res_3586	0	77	68	65	0	43	50	0
NCA 02_Res_1850	13	68	52	37	0	45	42	0
NCA 07_Com_7010	0	34	48	46	33	46	39	33
NCA 10_Res_6946	0	0	53	51	33	49	50	0
NCA 06_Res_5170	0	65	57	58	0	48	43	66
NCA 03_Res_3258	12	70	59	37	0	48	38	0
NCA 03_Res_3057	14	59	46	33	0	39	34	0
NCA 03_Res_3014	19	67	51	25	0	46	30	0
NCA 03_Res_3337	22	68	52	27	0	46	32	0
NCA 07_Res_6947	0	35	41	39	19	39	33	35
NCA 11_Res_6948	0	0	48	35	0	38	38	0
NCA 11_Res_6949	0	0	42	23	0	25	25	0
NCA 06_Res_1222	0	73	63	60	0	47	50	61
NCA 13_Res_6950	0	0	32	0	0	0	0	0
NCA 13_Res_6951	0	0	28	0	0	0	0	0
NCA 02_Res_2453	0	77	72	69	0	57	69	0
NCA 02_Res_3635	0	77	71	67	0	57	67	0
NCA 02_Res_1716	0	54	45	37	0	39	36	0
NCA 01_Res_2818	0	66	47	36	0	51	31	0
NCA 01_Res_3534	0	64	50	30	0	48	33	0
NCA 09_Res_6952	0	0	40	41	22	36	36	0
NCA 09_Res_6953	0	0	47	46	22	42	36	0
NCA 05_Res_4257	16	81	71	38	0	56	52	55
NCA 05_Res_3861	15	68	55	29	0	44	38	47
NCA 09_Res_6954	0	0	37	36	23	31	27	0
NCA 07_Res_6955	0	46	52	50	34	49	40	39
NCA 07_Res_6957	0	36	41	41	18	40	27	35
NCA 02_Res_2780	0	61	50	40	0	41	49	0
NCA 06_Res_1276	15	70	57	35	0	56	49	64

NCA 01_Res_2474	0	68	51	32	0	51	21	0
NCA 01_Res_4184	0	58	46	32	0	42	36	0
NCA 01_Res_2266	0	57	45	27	0	42	29	0
NCA 11_Res_6958	0	0	73	39	0	39	39	0
NCA 11_Res_6959	0	0	75	40	0	40	40	0
NCA 13_Res_6960	0	0	25	6	0	20	0	0
NCA 01_Com_4915	0	58	38	27	0	42	28	0
NCA 07_Res_6961	0	49	45	43	20	35	36	44
NCA 11_Res_6962	0	0	55	38	0	39	38	0
NCA 11_Res_6963	0	0	69	34	0	35	34	0
NCA 02_Res_1281	0	53	42	28	0	34	33	0
NCA 10_Res_6964	0	0	46	43	25	46	46	0
NCA 13_Res_6965	0	0	29	5	0	0	0	0
NCA 13_Res_6966	0	0	21	1	0	0	0	0
NCA 13_Res_6967	0	0	32	16	0	24	24	0
NCA 06_Res_4518	9	57	40	32	0	43	32	47
NCA 01_Res_3774	0	50	39	30	0	41	27	0
NCA 01_Res_2297	0	58	46	38	0	47	26	0
NCA 02_Res_2705	0	74	65	42	0	55	50	0
NCA 02_Res_2222	0	71	63	48	0	53	56	0
NCA 11_Res_6968	0	0	50	38	0	41	40	0
NCA 11_Res_6969	0	0	52	42	0	44	44	0
NCA 08_Res_6970	0	41	46	43	28	43	36	38
NCA 04_Res_3481	55	68	63	34	0	38	38	37
NCA 05_Res_3335	17	71	56	36	0	50	45	50
NCA 05_Res_3761	17	63	49	33	0	46	41	49
NCA 05_Res_3278	16	60	47	26	0	39	33	43
NCA 01_Res_2238	0	68	55	29	0	51	35	0
NCA 10_Res_6971	0	0	67	61	23	62	68	0
NCA 03_Res_4572	15	87	55	31	0	63	35	0
NCA 03_Res_4717	23	77	72	34	0	54	38	0
NCA 02_Res_2276	0	55	45	27	0	40	35	0
NCA 02_Res_3563	0	54	43	25	0	40	33	0
NCA 10_Res_6972	0	0	49	42	0	44	47	0
NCA 05_Res_5072	13	64	51	27	0	45	35	44
NCA 05_Res_5028	17	67	52	28	0	46	35	45
NCA 11_Res_6974	0	0	43	32	0	33	34	0
NCA 02_Res_1147	0	67	56	49	0	43	57	0
NCA 02_Res_4888	0	67	54	38	0	44	48	0
NCA 01_CCC_2803	0	50	39	30	0	40	26	0
NCA 06_Res_3282	20	54	41	29	0	39	33	43
NCA 02_Res_1874	0	71	60	33	0	43	37	0
NCA 03_Res_2924	25	81	70	33	0	62	39	31
NCA 10_Res_6975	0	0	70	65	0	65	74	0
NCA 10_Res_6976	0	0	43	40	23	41	40	0
NCA 10_Res_6977	0	0	42	39	21	40	39	0
NCA 07_Com_6978	0	48	50	50	32	50	38	41
NCA 07_Com_6979	0	48	49	48	32	51	38	45
NCA 03_Com_3046	9	58	40	18	0	37	26	0
NCA 03_Com_1553	12	74	41	20	0	53	27	0
NCA 03_Com_1229	14	70	41	22	0	49	32	0
NCA 10_Res_6980	0	0	59	58	25	55	64	0
NCA 10_Res_6981	0	0	50	49	23	47	50	0

NCA 07_Res_6982	0	44	41	40	16	32	32	42
NCA 07_Res_6983	0	48	47	46	14	32	35	44
NCA 07_Res_6984	0	58	49	49	20	39	43	52
NCA 03_Res_1666	24	71	57	32	0	48	37	33
NCA 03_Res_2998	17	60	49	27	0	41	32	31
NCA 03_Res_4986	22	70	58	30	0	50	37	33
NCA 03_Res_1023	23	64	51	33	0	44	37	28
NCA 13_Res_6985	0	0	30	14	0	0	0	0
NCA 13_Res_6986	0	0	33	14	0	0	0	0
NCA 13_Res_6987	0	0	24	4	0	0	0	0
NCA 01_Res_2826	0	61	49	23	0	45	27	0
NCA 07_Com_6988	0	41	50	48	32	51	38	43
NCA 07_Com_7011	0	38	48	45	25	50	30	38
NCA 11_Res_6989	0	0	58	38	0	38	38	0
NCA 11_Res_6990	0	0	58	36	0	38	38	0
NCA 02_Res_1521	13	66	53	49	0	41	47	0
NCA 06_Res_2926	10	83	71	59	0	71	67	76
NCA 06_Res_3214	11	59	48	37	0	52	44	59
NCA 01_Res_2315	0	59	40	35	0	43	25	0
NCA 04_Res_3059	36	69	65	55	0	45	54	34
NCA 04_Res_4138	33	65	60	40	0	42	44	31
NCA 03_Res_4246	16	68	51	25	0	44	32	0
NCA 02_Res_2010	10	78	69	56	0	52	61	0
NCA 11_Res_6991	0	0	45	37	0	40	39	0
NCA 04_Res_4256	47	61	49	39	0	36	43	39
NCA 08_Res_6992	0	0	45	44	42	48	30	0
NCA 01_Res_2836	0	72	64	59	0	63	33	0
NCA 08_Res_6993	0	37	51	51	32	52	44	38
NCA 03_Res_2020	15	64	51	26	0	44	39	0
NCA 03_Res_3219	15	63	54	25	0	44	35	0
NCA 01_Res_2361	0	57	40	35	0	41	32	0
NCA 01_Res_4229	0	48	36	28	0	37	27	0
NCA 11_Res_6994	0	0	48	36	0	37	37	0
NCA 05_Res_3427	27	83	70	32	0	45	41	47
NCA 10_Res_6995	0	0	39	37	26	35	31	0
NCA 03_Res_2763	23	58	48	33	0	40	38	37
NCA 06_Res_4685	14	83	71	59	0	70	66	76
NCA 08_Res_6996	0	39	56	56	26	55	56	37
NCA 11_Res_6997	0	0	44	23	0	24	24	0
NCA 04_Res_4394	59	67	56	36	0	36	41	38
NCA 04_Res_1051	65	81	74	44	0	41	45	37
NCA 04_Res_4670	64	70	59	44	0	37	45	36
NCA 10_Res_6998	0	0	50	47	0	46	47	0
NCA 10_Res_6999	0	0	51	53	0	48	55	0
NCA 07_Res_7000	0	46	43	40	23	40	33	41
NCA 07_Res_7001	0	46	43	41	23	39	34	41
NCA 03_Res_1656	16	63	51	25	0	42	31	0
NCA 03_Res_1733	27	81	68	41	0	58	45	35
NCA 03_Res_4110	21	67	56	29	0	47	35	34
NCA 08_Res_7002	0	0	41	40	38	42	34	0
NCA 11_Res_7003	0	0	45	38	0	40	40	0
NCA 10_Res_7004	0	0	49	46	34	45	50	0
NCA 11_Res_7005	0	0	45	24	0	25	25	0

NCA 02_Res_2817	0	58	45	31	0	41	41	0
NCA 08_Res_7006	0	38	58	59	31	60	50	37
NCA 07_Res_7007	0	40	53	51	33	48	40	37
NCA 02_Res_4303	0	65	54	37	0	41	44	0
NCA 03_Res_3380	16	67	55	24	0	46	29	23
NCA 03_Res_3794	21	71	60	30	0	50	35	33
NCA 10_Res_7009	0	0	53	50	32	49	54	0
NCA 03_Res_1816	12	56	44	28	0	39	35	0
NCA 01_Res_2223	0	59	47	30	0	43	34	0
NCA 01_Res_4928	0	50	38	26	0	35	30	0
NCA 01_Med_1102	0	63	45	27	0	46	29	0
NCA 02_Res_2158	0	65	53	36	0	40	46	0
NCA 01_Res_2512	0	46	36	26	0	36	25	0
NCA 01_Res_2507	0	62	50	23	0	46	27	0
NCA 03_Res_1854	25	69	54	35	0	46	39	34
NCA 03_Res_3390	21	58	46	30	0	40	35	34
NCA 02_Res_2067	0	65	55	45	0	40	42	0
NCA 02_Res_2994	0	65	54	33	0	38	37	0
NCA 02_Res_1975	19	58	47	33	0	43	44	0
NCA 10_Res_7010	0	0	46	45	26	43	35	0
NCA 08_Res_7011	0	37	49	46	24	48	48	38
NCA 03_Res_1570	15	60	42	25	0	41	32	0
NCA 03_Res_3271	17	60	46	24	0	40	30	0
NCA 07_CCC_7012	0	52	53	52	32	47	41	49
NCA 07_Res_7013	0	37	52	53	32	49	37	37
NCA 09_Res_7015	0	0	52	49	33	48	39	0
NCA 09_Res_7016	0	0	47	45	28	43	33	0
NCA 08_Com_7017	0	34	39	36	32	37	36	35
NCA 08_Com_7018	0	39	46	45	30	45	39	37
NCA 02_Res_1706	16	64	49	35	0	41	46	0
NCA 02_Res_3681	15	66	49	35	0	44	46	0
NCA 13_Res_7019	0	0	38	16	0	27	0	0
NCA 13_Res_7020	0	0	38	16	0	27	0	0
NCA 02_Res_5074	20	78	70	45	0	44	61	0
NCA 03_Res_3269	22	54	44	30	0	37	35	29
NCA 06_Res_4944	16	88	78	63	0	64	58	56
NCA 02_Res_2467	0	69	60	41	0	38	41	0
NCA 07_Res_7022	0	63	58	57	34	50	49	61
NCA 07_Res_7023	0	55	62	62	26	47	41	48
NCA 07_Res_7024	0	42	50	47	21	34	32	42
NCA 03_Res_1741	23	57	46	34	0	39	39	38
NCA 02_Res_3854	20	66	49	37	0	47	47	0
NCA 04_Res_3220	33	74	39	23	0	28	28	29
NCA 04_Res_3318	30	74	39	23	0	29	27	32
NCA 03_Res_3519	22	61	45	31	0	43	36	35
NCA 03_Res_3161	20	60	46	31	0	42	36	35
NCA 06_Res_1866	8	55	44	37	0	39	33	40
NCA 06_Res_3185	8	61	49	42	0	42	35	45
NCA 01_Res_2862	0	69	53	43	0	49	26	0
NCA 09_Res_7025	0	0	46	46	26	41	37	0
NCA 10_Res_7026	0	0	69	64	27	64	65	0
NCA 01_Res_4845	0	80	62	64	0	62	29	0
NCA 06_Res_5115	0	69	65	59	0	53	62	71

NCA 06_Res_5116	0	82	70	64	0	58	63	78
NCA 13_Res_7027	0	0	35	13	0	25	0	0
NCA 11_Res_7028	0	0	45	26	0	28	28	0
NCA 06_Res_5142	-18	63	60	58	0	52	64	69
NCA 12_EDU_7029	0	0	45	35	0	37	37	0
NCA 12_EDU_7030	0	0	45	36	0	37	37	0
NCA 12_EDU_7031	0	0	32	26	0	27	27	0
NCA 12_EDU_7032	0	0	39	34	0	37	37	0
NCA 02_Res_1109	0	55	47	34	0	44	40	0
NCA 02_Res_3632	0	54	44	32	0	41	41	0
NCA 02_Res_2353	0	52	42	30	0	38	41	0
NCA 10_Res_7033	0	0	70	71	36	66	53	0
NCA 02_Res_4889	0	71	61	41	0	41	45	0
NCA 02_Res_5057	0	60	52	45	0	41	45	0
NCA 07_Res_7034	0	56	79	69	32	64	43	51
NCA 10_Res_7035	0	0	53	40	0	50	46	0
NCA 10_Res_7036	0	0	42	37	0	40	46	0
NCA 10_CCC_7037	0	0	43	42	30	47	49	0
NCA 10_CCC_7038	0	0	37	36	27	35	34	0
NCA 06_Res_2016	19	71	57	47	0	51	41	50
NCA 06_Res_4023	18	70	56	42	0	50	39	46
NCA 05_Res_3336	18	70	55	35	0	49	45	49
NCA 05_Res_3721	20	61	48	29	0	43	37	46
NCA 09_Res_7040	0	0	55	50	35	41	38	0
NCA 09_Res_7041	0	0	55	53	35	41	35	0
NCA 09_Res_7042	0	0	67	65	52	45	39	0
NCA 09_Res_7043	0	0	67	65	43	35	29	0
NCA 09_Res_7044	0	0	53	51	30	42	36	0
NCA 07_Res_7036	0	41	61	55	34	50	39	37
NCA 11_Res_7045	0	0	43	38	17	41	40	0
NCA 10_Res_7046	0	0	41	39	21	41	41	0
NCA 05_Res_1639	17	72	58	37	0	52	47	51
NCA 05_Res_2072	14	59	48	31	0	45	39	48
NCA 13_Res_7047	0	0	33	0	0	0	0	0
NCA 03_Res_4665	11	57	44	28	0	41	36	0
NCA 03_Res_4987	11	53	41	24	0	39	33	0
NCA 03_Res_2754	18	60	45	25	0	41	31	0
NCA 01_Com_1057	0	66	47	26	0	48	29	0
NCA 13_Res_7048	0	0	24	4	0	15	0	0
NCA 13_Res_7049	0	0	28	6	0	21	0	0
NCA 02_Res_2726	0	69	60	41	0	41	41	0
NCA 03_Caf_6060	9	78	54	27	0	57	34	0
NCA 02_Res_2242	0	54	45	31	0	39	37	0
NCA 11_Res_7050	0	0	45	29	0	31	32	0
NCA 07_Res_7051	0	41	48	46	27	45	34	39
NCA 01_Com_4812	0	80	58	36	0	65	34	0
NCA 01_Com_4825	0	85	60	45	0	70	36	0
NCA 07_Res_7052	0	41	54	53	32	51	40	37
NCA 07_Com_7053	0	42	41	39	31	40	36	38
NCA 07_Com_7054	0	44	39	37	33	38	29	40
NCA 07_Res_7055	0	52	49	48	29	40	42	50
NCA 07_Res_7056	0	44	69	68	13	32	34	44
NCA 07_Res_7057	0	49	44	41	26	40	38	45

NCA 07_Res_7058	0	44	40	37	29	37	33	40
NCA 06_Res_3375	6	80	71	60	0	60	62	47
NCA 09_Res_7059	0	0	69	67	56	45	32	0
NCA 09_Res_7060	0	0	49	48	42	34	28	0
NCA 01_Res_3555	0	61	44	43	0	44	23	0
NCA 11_Res_7061	0	0	47	30	0	33	34	0
NCA 05_Res_4722	11	67	53	32	0	48	39	48
NCA 05_Res_4984	12	70	55	31	0	49	42	49
NCA 07_Res_7062	0	53	51	50	24	36	39	47
NCA 09_Res_7064	0	0	46	42	28	37	34	0
NCA 03_Res_3720	38	77	67	67	0	44	71	36
NCA 08_Res_7065	0	40	45	44	29	48	38	39
NCA 08_Res_7066	0	42	47	44	29	44	32	37
NCA 01_Res_4276	0	53	39	27	0	36	32	0
NCA 02_Res_2521	0	60	52	37	0	44	55	0
NCA 02_Res_2254	0	60	48	33	0	46	44	0
NCA 06_Res_4596	26	56	43	37	0	41	34	45
NCA 06_Res_1047	17	57	41	38	0	42	32	46
NCA 06_Res_4447	-1	66	56	53	0	44	40	50
NCA 03_Res_3422	22	55	41	24	0	38	33	0
NCA 03_Res_3694	21	55	43	26	0	38	34	0
NCA 02_Res_2329	0	65	60	48	0	47	66	0
NCA 02_Res_3958	0	62	59	40	0	46	65	0
NCA 13_Res_7067	0	0	30	10	0	21	0	0
NCA 03_Res_1538	20	56	42	25	0	35	30	0
NCA 07_Res_7068	0	49	45	43	20	35	36	44
NCA 13_Res_7069	0	0	35	15	0	25	0	0
NCA 01_Res_2261	0	68	55	27	0	50	35	0
NCA 04_Res_4684	46	67	56	52	0	40	52	30
NCA 04_Res_4792	43	70	62	53	0	39	53	34
NCA 04_Res_4709	50	72	66	53	0	43	53	34
NCA 10_MED_7070	0	0	55	51	13	50	53	0
NCA 10_Com_7071	0	0	46	43	24	47	43	0
NCA 01_Res_2317	0	74	61	29	0	55	36	0
NCA 01_Res_3636	0	64	51	33	0	46	41	0
NCA 01_Res_2801	0	80	51	41	0	65	29	0
NCA 03_Res_1547	23	71	58	30	0	50	35	30
NCA 04_Res_3329	27	57	47	36	0	38	40	39
NCA 04_Res_3172	26	54	44	36	0	34	38	33
NCA 13_Res_7072	0	0	29	10	0	0	0	0
NCA 13_Res_7073	0	0	26	8	0	0	0	0
NCA 05_Res_2711	12	73	59	42	0	58	58	57
NCA 08_Res_7074	0	41	55	50	29	50	45	36
NCA 02_Res_3505	15	56	41	30	0	35	37	0
NCA 02_Res_3502	11	57	42	30	0	39	38	0
NCA 12_Com_7075	0	0	23	9	0	11	11	0
NCA 12_Com_7076	0	0	20	8	0	10	10	0
NCA 11_Res_7077	0	0	75	42	0	41	41	0
NCA 11_Res_7078	0	0	66	28	0	27	28	0
NCA 11_Res_7079	0	0	66	39	0	32	34	0
NCA 11_Res_7080	0	0	71	42	0	40	42	0
NCA 11_Res_7081	0	0	53	36	0	38	38	0
NCA 02_Res_3301	11	79	69	58	0	52	62	0

NCA 02_Res_3111	12	69	54	45	0	47	49	0
NCA 03_Res_3500	21	64	48	28	0	42	34	35
NCA 03_Res_3384	21	58	47	29	0	40	34	34
NCA 06_Res_5132	5	63	52	50	0	45	40	60
NCA 02_Res_2572	0	54	47	39	0	40	47	0
NCA 03_Res_3222	14	57	44	26	0	38	35	0
NCA 10_Res_7082	0	0	52	52	0	48	51	0
NCA 10_Res_7083	0	0	48	48	0	46	49	0
NCA 07_Res_7084	0	51	43	40	21	39	35	45
NCA 07_Res_7085	0	38	52	50	34	48	40	35
NCA 13_Res_7086	0	0	35	14	0	0	0	0
NCA 13_Res_7087	0	0	30	11	0	0	0	0
NCA 10_Res_7088	0	0	37	35	30	35	32	0
NCA 03_Res_2015	20	63	47	28	0	43	33	33
NCA 03_Res_3309	16	60	44	28	0	41	35	33
NCA 08_Res_7089	0	39	51	50	24	51	53	38
NCA 09_Res_7090	0	0	47	46	30	43	38	0
NCA 09_Res_7091	0	0	47	46	32	43	39	0
NCA 11_Res_7092	0	0	63	32	0	32	32	0
NCA 08_Res_7093	0	44	70	66	41	65	74	38
NCA 08_Res_7094	0	40	59	54	31	53	61	38
NCA 11_Res_7095	0	0	49	36	0	38	37	0
NCA 01_Res_4823	0	79	67	36	0	62	40	0
NCA 01_Res_4956	0	86	77	36	0	70	35	0
NCA 03_Res_4314	28	68	55	36	0	47	36	28
NCA 03_Res_4087	22	61	47	31	0	40	34	23
NCA 11_Res_7096	0	0	56	47	0	53	57	0
NCA 07_Res_7097	0	47	47	45	16	33	36	45
NCA 07_Res_7098	0	45	44	44	15	33	33	43
NCA 08_Res_7099	0	0	48	48	44	42	37	0
NCA 03_Res_3658	28	68	56	36	0	48	40	37
NCA 01_Res_4829	0	75	52	45	0	59	30	0
NCA 02_Res_1302	8	64	47	33	0	37	37	0
NCA 04_Res_1853	27	67	43	25	0	37	32	40
NCA 04_Res_4151	25	58	40	22	0	32	27	36
NCA 03_Res_1950	28	72	56	37	0	49	41	0
NCA 11_Res_7100	0	0	64	49	0	60	45	0
NCA 02_Res_2502	0	64	53	46	0	44	55	0
NCA 02_Res_3965	0	59	51	37	0	45	49	0
NCA 02_Res_2120	0	60	56	38	0	47	59	0
NCA 05_Res_3144	19	65	51	36	0	48	44	52
NCA 02_Res_1890	12	59	46	31	0	36	37	0
NCA 06_Res_5146	0	80	75	73	0	67	70	82
NCA 07_Res_7101	0	49	48	46	18	35	37	45
NCA 07_EDU_7102	0	54	47	47	31	41	36	41
NCA 07_POW_7103	0	40	40	37	14	34	33	42
NCA 11_Res_7104	0	0	53	42	0	50	45	0
NCA 11_Res_7105	0	0	54	36	0	51	42	0
NCA 09_Res_7106	0	0	46	45	41	31	29	0
NCA 02_Res_4979	18	59	41	27	0	41	35	0
NCA 02_Res_4764	13	60	39	23	0	43	29	0
NCA 08_Res_7107	0	33	47	45	24	44	50	34
NCA 02_Res_1898	12	57	44	29	0	39	37	0

NCA 01_Res_2170	0	60	47	29	0	44	33	0
NCA 01_Res_3937	0	59	46	30	0	42	34	0
NCA 11_Res_7108	0	0	40	29	0	31	30	0
NCA 10_Res_7109	0	0	44	42	24	56	47	0
NCA 01_Res_2695	0	58	45	31	0	42	34	0
NCA 01_Res_3549	0	60	47	28	0	44	32	0
NCA 01_Res_2131	0	69	52	53	0	53	27	0
NCA 01_Res_3535	0	70	55	55	0	52	26	0
NCA 07_Res_7110	0	46	44	43	21	41	35	41
NCA 13_Res_7111	0	0	31	0	0	0	0	0
NCA 04_Res_1803	52	66	54	39	0	39	41	43
NCA 01_Res_2820	0	62	54	45	0	56	26	0
NCA 01_Res_4226	0	72	56	57	0	53	24	0
NCA 07_Res_7112	0	51	49	48	16	36	38	46
NCA 07_Res_7113	0	53	52	53	0	37	42	48
NCA 06_Res_4692	10	59	49	43	0	42	40	48
NCA 06_Res_1027	8	54	42	36	0	39	33	44
NCA 05_Res_4656	14	82	71	57	0	71	72	75
NCA 05_Res_4994	11	71	58	46	0	60	54	65
NCA 11_Res_7114	0	0	70	51	0	57	54	0
NCA 11_Res_7115	0	0	57	35	0	40	38	0
NCA 05_Res_1225	24	65	52	30	0	47	38	44
NCA 05_Res_1719	24	62	48	30	0	41	35	42
NCA 13_Res_7117	0	0	33	13	0	0	0	0
NCA 10_Res_7118	0	0	55	53	34	52	39	0
NCA 10_Res_7119	0	0	54	52	33	51	43	0
NCA 08_Res_7120	0	39	56	56	35	55	45	37
NCA 07_Res_7121	0	42	42	41	31	40	36	37
NCA 03_Res_1253	32	65	53	49	0	40	51	34
NCA 03_Res_3283	36	70	57	54	0	42	57	39
NCA 01_Res_2650	0	50	36	27	0	38	23	0
NCA 07_Ind_7003	0	46	72	65	32	64	38	43
NCA 07_IND_7122	0	47	83	73	24	74	42	42
NCA 01_Res_2740	0	54	42	29	0	39	35	0
NCA 07_IND_7123	0	47	78	72	29	72	33	38
NCA 07_Ind_7030	0	47	82	74	24	77	39	43
NCA 07_Res_7124	0	48	55	54	16	32	35	45
NCA 10_Com_7125	0	0	41	38	14	42	41	0
NCA 01_Res_2915	0	65	48	37	0	47	28	0
NCA 07_IND_7126	0	43	64	62	21	61	34	41
NCA 01_Res_1007	0	60	48	29	0	44	37	0
NCA 05_Res_4130	12	63	51	36	0	48	43	52
NCA 02_Res_3784	8	86	69	44	0	55	45	0
NCA 01_Com_4445	0	67	46	32	0	49	36	0
NCA 08_Res_7127	0	32	67	61	26	61	37	32
NCA 01_Res_2180	0	59	49	35	0	44	42	0
NCA 04_Res_1480	28	66	42	25	0	38	32	41
NCA 12_Com_7128	0	0	27	12	0	13	13	0
NCA 06_Com_4783	9	52	35	26	0	38	29	43
NCA 01_Res_4876	0	50	47	33	0	46	21	0
NCA 02_Res_3476	19	54	42	28	0	35	35	0
NCA 12_Com_7129	0	0	28	18	0	18	21	0
NCA 02_Res_1857	19	63	45	32	0	43	39	0

NCA 06_Res_4461	0	67	52	44	0	48	39	47
NCA 10_Res_7130	0	0	53	52	18	50	52	0
NCA 06_Res_5113	0	65	61	56	0	51	59	69
NCA 08_Res_7131	0	40	48	49	31	47	36	38
NCA 10_Res_7132	0	0	51	50	24	55	57	0
NCA 05_Res_4704	13	77	63	39	0	56	48	51
NCA 03_Res_3451	22	66	52	27	0	43	32	0
NCA 08_Res_7133	0	37	52	52	38	51	44	37
NCA 07_Res_7134	0	48	44	41	26	41	34	41
NCA 06_Res_1424	9	63	51	43	0	46	40	50
NCA 03_Res_3296	27	76	63	41	0	53	45	24
NCA 08_Com_7135	0	38	39	39	39	37	31	37
NCA 01_Res_2177	0	50	46	31	0	43	25	0
NCA 10_Com_7136	0	0	66	63	30	60	64	0
NCA 08_Res_7137	0	33	44	43	42	40	34	35
NCA 07_Res_7138	0	41	50	46	33	47	39	29
NCA 02_Res_3399	20	58	47	33	0	42	42	0
NCA 02_Res_2651	0	60	50	42	0	44	49	0
NCA 11_Res_7139	0	0	40	32	0	35	34	0
NCA 10_Res_7140	0	0	68	68	24	64	66	0
NCA 12_Com_7141	0	0	30	17	0	12	14	0
NCA 01_Res_3611	0	53	39	33	0	41	27	0
NCA 07_Res_7142	0	42	50	46	27	47	42	38
NCA 11_Res_7143	0	0	52	33	0	35	36	0
NCA 03_Res_3075	27	91	80	44	0	65	48	32
NCA 10_Com_7144	0	0	56	54	32	65	58	0
NCA 11_Res_7145	0	0	69	46	0	50	48	0
NCA 02_Res_3713	21	62	45	31	0	41	38	0
NCA 01_Res_2771	0	45	47	26	0	47	18	0
NCA 07_Com_7146	0	45	40	39	17	33	32	41
NCA 11_Res_7147	0	0	41	29	0	28	28	0
NCA 07_Res_7148	0	42	57	55	33	54	41	38
NCA 07_Com_7013	0	43	55	52	33	52	39	39
NCA 08_Res_7149	0	38	51	50	32	50	45	37
NCA 13_Res_7150	0	0	33	11	0	22	0	0
NCA 11_Res_7151	0	0	68	34	0	58	40	0
NCA 01_Res_2734	0	63	51	37	0	46	45	0
NCA 12_Com_7152	0	0	31	9	0	10	10	0
NCA 02_Com_4760	-5	60	44	29	0	43	36	0
NCA 06_Res_1488	5	56	35	29	0	39	27	39
NCA 01_Res_2334	0	61	48	33	0	45	36	0
NCA 10_Res_7153	0	0	46	44	22	44	43	0
NCA 09_Res_7154	0	0	46	45	32	40	37	0
NCA 06_Res_5140	-6	62	58	56	0	50	51	68
NCA 06_Res_1392	5	79	72	60	0	61	58	51
NCA 12_Com_7155	0	0	38	33	0	36	35	0
NCA 09_Res_7156	0	0	70	60	39	52	43	0
NCA 02_Res_2348	0	56	47	34	0	42	43	0
NCA 02_Res_4811	12	66	42	30	0	59	39	0
NCA 07_Res_7157	0	46	51	50	25	48	35	40
NCA 10_Res_7158	0	0	42	40	18	41	45	0
NCA 03_Res_2972	10	55	41	24	0	36	35	0
NCA 11_Res_7159	0	0	46	34	0	37	37	0

NCA 08_Res_7160	0	44	56	51	33	50	48	40
NCA 03_Res_1417	15	59	43	23	0	42	33	0
NCA 12_Com_7161	0	0	22	9	0	11	12	0
NCA 10_Res_7162	0	0	44	42	30	41	45	0
NCA 09_Res_7163	0	0	51	52	50	39	33	0
NCA 10_Res_7164	0	0	52	49	0	48	48	0
NCA 09_Res_7165	0	0	57	57	24	51	34	0
NCA 01_Res_2808	0	66	53	28	0	49	33	0
NCA 04_Res_3127	25	58	43	24	0	36	31	40
NCA 02_Res_1054	0	54	44	30	0	35	35	0
NCA 11_Res_7166	0	0	44	28	0	29	30	0
NCA 02_Res_1129	0	64	51	35	0	45	49	0
NCA 11_Res_7167	0	0	51	43	0	44	45	0
NCA 12_Com_7168	0	0	37	19	0	20	22	0
NCA 02_Res_2277	0	56	46	33	0	42	42	0
NCA 02_Res_1556	18	65	50	26	0	46	34	0
NCA 09_POW_7169	0	0	47	45	26	40	37	0
NCA 02_Res_4996	10	64	51	44	0	38	41	0
NCA 13_Com_7170	0	0	25	16	0	16	19	0
NCA 08_Res_7171	0	42	68	63	39	62	60	38
NCA 08_Res_7172	0	37	51	50	27	49	46	36
NCA 05_Res_3766	29	70	56	28	0	42	38	44
NCA 03_Res_3311	27	81	69	39	0	61	40	28
NCA 13_Res_7173	0	0	35	14	0	0	0	0
NCA 02_Res_3922	0	82	75	73	0	49	50	0
NCA 11_Com_7174	0	0	46	37	0	39	39	0
NCA 03_Res_1827	18	54	41	23	0	36	29	0
NCA 01_Res_3773	0	66	55	40	0	50	48	0
NCA 13_Res_7175	0	0	37	16	0	27	0	0
NCA 08_Com_7176	0	24	58	56	54	60	47	28
NCA 11_Res_7177	0	0	46	35	0	36	36	0
NCA 10_Res_7178	0	0	51	49	34	47	49	0
NCA 01_Res_2298	0	63	50	39	0	45	37	0
NCA 13_Res_7179	0	0	34	15	0	0	0	0
NCA 07_Com_7180	0	37	47	44	32	45	38	35
NCA 10_Res_7181	0	0	50	49	24	47	54	0
NCA 11_Res_7182	0	0	41	18	0	19	19	0
NCA 10_Res_7183	0	0	42	39	25	40	40	0
NCA 06_Res_4500	0	60	50	47	0	41	41	51
NCA 08_Res_7184	0	0	46	47	49	45	31	0
NCA 03_Res_2058	16	53	41	26	0	34	34	0
NCA 06_Res_4425	12	59	45	40	0	42	38	48
NCA 03_Res_2206	29	67	54	37	0	46	40	29
NCA 09_Res_7185	0	0	47	48	28	42	35	0
NCA 12_Com_7186	0	0	40	26	0	26	26	0
NCA 03_Res_1675	28	68	54	36	0	47	40	0
NCA 09_Res_7187	0	0	50	49	48	30	25	0
NCA 01_Res_2320	0	59	48	38	0	45	44	0
NCA 02_Res_1669	0	81	68	36	0	39	42	0
NCA 08_Res_7188	0	41	69	66	40	64	67	38
NCA 02_Res_4390	14	64	53	38	0	38	49	0
NCA 11_Res_7189	0	0	72	39	0	39	39	0
NCA 07_Res_7190	0	40	42	39	31	40	36	38

NCA 05_Res_1700	16	71	58	31	0	52	42	48
NCA 06_Res_4466	12	65	46	40	0	47	39	48
NCA 02_Res_2227	0	61	49	39	0	43	45	0
NCA 09_Res_7191	0	0	43	46	23	37	36	0
NCA 09_Res_7192	0	0	36	34	27	35	32	0
NCA 03_Res_3155	30	79	66	38	0	57	44	35
NCA 01_Com_4835	0	58	35	26	0	42	24	0
NCA 12_Com_7193	0	0	35	31	0	33	33	0
NCA 10_Com_7194	0	0	53	50	14	50	52	0
NCA 03_Res_4293	22	55	44	31	0	37	36	34
NCA 03_Res_2055	9	71	68	24	0	47	33	0
NCA 09_Res_7195	0	0	43	46	26	36	32	0
NCA 06_Com_2757	8	82	54	44	0	64	47	60
NCA 01_Res_2672	0	68	53	50	0	49	25	0
NCA 08_Res_7196	0	37	45	46	32	49	40	36
NCA 11_Res_7197	0	0	44	34	0	36	38	0
NCA 03_Res_2707	10	62	59	32	0	41	41	0
NCA 11_Res_7198	0	0	45	29	0	33	32	0
NCA 04_Res_1543	41	62	50	43	0	38	48	41
NCA 02_Res_3428	16	59	44	33	0	42	40	0
NCA 03_Com_4731	13	66	40	21	0	47	29	0
NCA 06_Res_1620	16	83	71	58	0	71	69	76
NCA 02_Res_4496	13	56	45	31	0	34	40	0
NCA 09_Res_7200	0	0	55	55	25	44	34	0
NCA 06_Com_1296	13	54	41	38	0	40	31	44
NCA 01_Edu_2827	0	57	46	33	0	41	41	0
NCA 13_Res_7201	0	0	29	5	0	19	0	0
NCA 02_Res_3408	16	64	46	33	0	43	41	0
NCA 05_Res_3287	22	75	60	28	0	42	37	45
NCA 13_Res_7202	0	0	35	15	0	0	0	0
NCA 13_Res_7203	0	0	27	8	0	0	0	0
NCA 07_Res_7204	0	54	59	60	15	38	43	50
NCA 06_Res_4621	0	67	56	52	0	48	45	58
NCA 11_Res_7205	0	0	70	35	0	33	32	0
NCA 02_Res_4698	10	61	51	31	0	33	46	0
NCA 09_Res_7206	0	0	53	50	31	40	31	0
NCA 12_Com_7207	0	0	22	13	0	14	17	0
NCA 08_Com_7208	0	36	64	58	50	60	50	37
NCA 10_Res_7209	0	0	48	46	19	45	49	0
NCA 08_Res_7210	0	0	49	50	51	49	31	0
NCA 05_Res_3837	22	77	62	29	0	43	38	47
NCA 10_Res_7211	0	0	40	38	32	44	38	0
NCA 02_Res_2247	0	65	56	39	0	38	48	0
NCA 08_Com_7212	0	4	37	37	33	37	27	19
NCA 13_Res_7213	0	0	33	12	0	24	0	0
NCA 02_Res_1328	12	63	47	33	0	40	41	0
NCA 01_Res_2355	0	57	46	25	0	43	30	0
NCA 06_Res_1982	7	59	47	37	0	40	33	42
NCA 01_Res_2585	0	52	40	33	0	41	29	0
NCA 02_Res_2709	11	61	48	36	0	40	44	0
NCA 04_Res_3160	30	55	44	31	0	37	34	40
NCA 04_Res_3358	40	61	49	42	0	38	46	41
NCA 11_Res_7214	0	0	46	38	0	40	40	0

NCA 03_Res_1292	25	64	51	36	0	44	40	28
NCA 10_Res_7215	0	0	70	66	35	65	55	0
NCA 01_Res_2679	0	52	39	29	0	38	31	0
NCA 01_Res_2209	0	52	40	32	0	40	29	0
NCA 10_Res_7216	0	0	45	43	23	54	47	0
NCA 08_Res_7217	0	39	51	47	30	47	48	37
NCA 12_Com_7218	0	0	32	12	0	13	14	0
NCA 03_Res_4251	22	61	45	28	0	43	38	34
NCA 08_Res_7219	0	39	46	45	28	48	41	38
NCA 09_Res_7220	0	0	47	46	27	44	38	0
NCA 01_Res_2373	0	78	65	33	0	60	39	0
NCA 03_Res_3348	31	77	65	40	0	57	43	33
NCA 01_Com_1205	0	44	35	25	0	45	20	0
NCA 06_Com_4374	22	62	50	44	0	43	41	46
NCA 11_Res_7222	0	0	50	40	0	42	42	0
NCA 01_Res_2451	0	60	47	35	0	43	43	0
NCA 08_Com_7223	0	36	47	48	29	48	41	37
NCA 06_Caf_6058	15	56	37	30	0	39	31	41
NCA 08_Res_7224	0	40	70	69	38	67	66	38
NCA 04_Res_4448	40	76	69	66	0	45	61	36
NCA 08_Com_7225	0	24	35	35	38	37	31	30
NCA 02_Res_1986	22	54	41	28	0	36	33	0
NCA 02_Res_2426	0	54	43	25	0	39	33	0
NCA 03_Res_3664	19	74	45	29	0	50	34	0
NCA 02_Res_1736	0	73	59	38	0	43	45	0
NCA 06_Res_4651	17	63	51	31	0	52	48	58
NCA 10_Res_7226	0	0	36	34	31	37	31	0
NCA 11_Res_7227	0	0	46	31	0	34	33	0
NCA 08_Res_7228	0	0	60	61	61	34	28	0
NCA 12_Com_7229	0	0	25	14	0	14	16	0
NCA 05_Res_1095	14	72	59	40	0	54	47	52
NCA 11_Res_7230	0	0	45	38	0	41	41	0
NCA 06_Res_5136	19	57	47	46	0	37	38	49
NCA 08_Res_7231	0	38	53	54	26	53	40	37
NCA 03_Res_1759	22	64	52	34	0	44	40	36
NCA 08_Res_7233	0	0	42	40	41	43	36	0
NCA 11_Res_7234	0	0	52	48	0	48	44	0
NCA 12_Com_7235	0	0	33	20	0	21	24	0
NCA 07_Res_7236	0	56	51	51	25	38	40	51
NCA 02_Res_4619	0	57	45	33	0	37	40	0
NCA 09_Res_7237	0	0	49	49	27	44	39	0
NCA 01_Res_2228	0	76	62	32	0	58	39	0
NCA 07_Res_7238	0	50	46	44	23	36	35	45
NCA 06_Res_5143	0	68	64	62	0	57	67	73
NCA 10_Res_7239	0	0	35	34	27	49	36	0
NCA 07_Res_7240	0	55	70	69	23	39	43	50
NCA 07_Res_7241	0	35	69	68	29	63	40	34
NCA 02_Res_1767	21	59	43	30	0	39	37	0
NCA 01_Res_2127	0	58	45	30	0	41	34	0
NCA 06_Res_4473	14	87	74	58	0	63	53	54
NCA 02_Res_2712	6	73	60	55	0	49	65	0
NCA 02_Res_4913	0	61	47	32	0	38	35	0
NCA 06_Res_5109	0	57	55	51	0	47	51	64

NCA 06_Res_4483	11	66	52	46	0	47	39	49
NCA 02_Res_4254	22	54	42	31	0	35	40	0
NCA 04_Res_3705	60	92	84	44	0	31	42	34
NCA 10_Res_7242	0	0	70	65	36	64	55	0
NCA 11_Res_7243	0	0	42	34	0	34	32	0
NCA 10_Res_7244	0	0	34	32	19	37	33	0
NCA 08_Res_7245	0	43	45	42	27	42	39	39
NCA 01_Res_2456	0	58	44	37	0	46	28	0
NCA 12_Com_7246	0	0	33	25	0	25	26	0
NCA 13_Res_7247	0	0	35	15	0	0	0	0
NCA 09_Res_7248	0	0	49	49	26	41	35	0
NCA 11_Res_7249	0	0	45	34	0	36	36	0
NCA 11_Res_7250	0	0	60	37	0	38	37	0
NCA 11_Res_7251	0	0	54	44	0	45	45	0
NCA 11_Res_7252	0	0	74	59	0	68	65	0
NCA 05_Res_4531	9	59	46	33	0	43	40	48
NCA 02_Res_2906	0	67	57	51	0	49	52	0
NCA 07_Com_7253	0	37	36	35	18	33	27	36
NCA 12_Com_7254	0	0	37	28	0	29	29	0
NCA 03_Com_1150	15	79	56	29	0	58	36	0
NCA 01_Res_2867	0	65	53	36	0	50	42	0
NCA 01_Res_2147	0	64	52	30	0	49	32	0
NCA 09_Res_7255	0	0	52	49	28	37	29	0
NCA 07_Res_7256	0	46	54	54	24	36	33	43
NCA 05_Res_3495	11	62	49	32	0	48	50	49
NCA 03_Res_1511	29	79	66	39	0	59	42	32
NCA 01_Res_2565	0	68	56	28	0	50	36	0
NCA 10_Res_7257	0	0	43	38	12	40	39	0
NCA 11_Res_7258	0	0	48	43	0	46	47	0
NCA 02_Res_4797	0	56	49	35	0	36	52	0
NCA 09_Res_7259	0	0	53	54	31	47	35	0
NCA 02_Res_1640	11	64	52	46	0	38	44	0
NCA 06_Res_4678	15	81	64	57	0	66	56	73
NCA 10_Res_7260	0	0	56	57	25	56	61	0
NCA 03_Res_1468	16	87	54	30	0	63	35	0
NCA 01_Res_2656	0	76	65	53	0	55	27	0
NCA 06_Res_4515	18	67	56	34	0	57	42	62
NCA 01_Com_4887	0	41	31	21	0	47	15	0
NCA 02_Res_3924	0	67	57	42	0	43	43	0
NCA 08_Res_7261	0	0	50	50	42	33	27	0
NCA 02_Res_1373	20	57	46	33	0	40	41	0
NCA 11_Res_7262	0	0	46	28	0	30	30	0
NCA 03_Res_1984	25	67	53	28	0	45	32	0
NCA 08_Res_7263	0	0	54	50	55	34	27	0
NCA 12_Com_7264	0	0	36	24	0	25	25	0
NCA 01_Res_3916	0	51	39	27	0	38	30	0
NCA 07_Res_7265	0	31	50	50	16	48	32	26
NCA 01_Res_3914	0	74	57	50	0	58	30	0
NCA 02_Res_1999	12	62	47	35	0	43	43	0
NCA 13_Res_7266	0	0	34	14	0	0	0	0
NCA 11_Res_7267	0	0	66	42	0	32	36	0
NCA 09_Res_7268	0	0	63	64	25	48	36	0
NCA 01_Com_4429	0	40	30	20	0	46	13	0

NCA 07_Com_7269	0	50	47	46	21	34	37	45
NCA 10_Res_7270	0	0	47	44	22	49	45	0
NCA 06_Com_3392	7	64	52	43	0	45	44	44
NCA 01_Com_2398	0	56	42	32	0	46	17	0
NCA 08_Res_7271	0	42	48	42	28	43	40	39
NCA 03_CCC_2114	28	66	52	34	0	44	37	0
NCA 11_Res_7272	0	0	71	46	0	42	41	0
NCA 12_Com_7273	0	0	30	11	0	12	12	0
NCA 05_Res_4595	23	69	55	25	0	39	32	41
NCA 08_Res_7274	0	36	55	55	37	54	45	36
NCA 01_Res_2846	0	71	58	30	0	52	37	0
NCA 02_Res_3822	8	65	52	43	0	37	41	0
NCA 05_Res_3677	16	80	70	43	0	61	49	56
NCA 07_Res_7275	0	47	46	46	29	40	36	44
NCA 07_Res_7276	0	54	56	55	15	37	41	48
NCA 12_Com_7277	0	0	43	24	0	27	23	0
NCA 09_Res_7278	0	0	39	37	31	28	26	0
NCA 11_Com_7279	0	0	47	38	0	40	41	0
NCA 01_Res_2367	0	78	66	50	0	56	25	0
NCA 01_Res_2885	0	74	60	48	0	54	24	0
NCA 07_Res_7280	0	55	61	61	32	46	41	50
NCA 12_Com_7281	0	0	33	27	0	29	30	0
NCA 10_Res_7282	0	0	52	49	18	49	47	0
NCA 11_Res_7283	0	0	47	37	0	37	37	0
NCA 01_Res_2615	0	60	40	35	0	44	24	0
NCA 07_Res_7284	0	52	46	43	31	43	39	45
NCA 12_Com_7285	0	0	22	9	0	11	12	0
NCA 07_Res_7286	0	55	70	69	29	41	37	47
NCA 01_Res_2870	0	59	48	35	0	43	44	0
NCA 04_Res_2989	38	62	51	37	0	39	41	40
NCA 01_Res_2645	0	76	59	52	0	59	24	0
NCA 03_Res_3327	13	63	51	27	0	43	37	17
NCA 03_Res_2928	29	65	54	44	0	45	48	31
NCA 07_Res_7287	0	35	63	56	28	57	37	35
NCA 11_Res_7288	0	0	76	51	0	44	45	0
NCA 01_Res_2646	0	53	40	32	0	41	31	0
NCA 06_Res_4543	12	59	46	32	0	47	40	53
NCA 08_Res_7289	0	39	57	55	30	53	59	37
NCA 10_Res_7290	0	0	63	59	34	57	35	0
NCA 01_Res_2532	0	72	54	55	0	54	33	0
NCA 01_Res_3579	0	64	62	45	0	63	24	0
NCA 05_Res_2101	14	62	50	33	0	53	42	58
NCA 08_Res_7291	0	0	44	46	51	41	33	0
NCA 03_Res_3342	17	57	41	25	0	38	34	0
NCA 13_Res_7292	0	0	37	16	0	26	0	0
NCA 12_Com_7293	0	0	37	12	0	13	14	0
NCA 02_Res_4668	12	77	68	54	0	54	59	0
NCA 13_Res_7294	0	0	32	14	0	0	0	0
NCA 03_Res_4723	15	63	43	22	0	42	28	0
NCA 01_Res_4849	0	79	71	70	0	65	27	0
NCA 08_Res_7295	0	39	45	43	29	43	33	39
NCA 01_Res_3961	0	72	57	49	0	53	24	0
NCA 07_Res_7296	0	40	49	45	28	45	39	39

NCA 12_Com_7297	0	0	33	17	0	16	17	0
NCA 01_Com_1101	0	56	43	33	0	43	20	0
NCA 09_Res_7298	0	0	42	41	38	38	32	0
NCA 10_Res_7299	0	0	70	70	21	65	57	0
NCA 01_Res_1191	0	67	50	40	0	49	26	0
NCA 02_Res_3045	14	60	44	30	0	39	38	0
NCA 10_Res_7300	0	0	52	49	18	48	53	0
NCA 01_Res_4284	0	54	41	32	0	42	32	0
NCA 01_Com_4433	0	41	31	20	0	46	15	0
NCA 11_Res_7301	0	0	56	38	0	38	38	0
NCA 07_Res_7302	0	43	71	69	36	65	45	38
NCA 01_Res_4222	0	63	50	32	0	47	37	0
NCA 01_Res_4839	0	57	43	28	0	42	33	0
NCA 06_Res_1050	14	60	47	33	0	49	38	54
NCA 01_Res_4852	0	79	60	33	0	61	36	0
NCA 10_Com_7303	0	0	80	68	23	68	78	0
NCA 06_Com_1196	7	79	56	48	0	58	45	47
NCA 08_Res_7304	0	39	50	48	29	47	46	37
NCA 07_Res_7305	0	52	56	54	20	38	40	48
NCA 04_Res_3163	44	76	65	45	0	41	42	39
NCA 01_Com_4545	0	51	36	31	0	37	28	0
NCA 08_Res_7306	0	39	53	50	28	49	41	38
NCA 06_Com_1856	9	54	37	29	0	39	30	43
NCA 13_Res_7307	0	0	23	3	0	16	0	0
NCA 02_Res_1195	0	63	53	40	0	39	42	0
NCA 02_Res_3085	11	57	43	27	0	35	35	0
NCA 11_Res_7308	0	0	46	38	0	43	43	0
NCA 12_Com_7309	0	0	36	18	0	19	18	0
NCA 01_Res_2701	0	51	39	30	0	40	28	0
NCA 03_Res_2758	28	69	55	37	0	48	40	0
NCA 07_Res_7310	0	50	45	43	20	36	36	43
NCA 13_Res_7311	0	0	30	8	0	0	0	0
NCA 06_Res_4468	0	65	55	52	0	42	37	48
NCA 13_Res_7312	0	0	32	8	0	20	0	0
NCA 06_Res_1658	11	66	55	46	0	47	44	43
NCA 10_Com_7313	0	0	87	68	23	68	80	0
NCA 11_Res_7314	0	0	54	38	0	52	40	0
NCA 06_Res_3156	0	76	65	62	0	49	42	57
NCA 10_Res_7315	0	0	42	40	32	49	42	0
NCA 05_Res_3834	13	63	51	36	0	51	43	55
NCA 13_Res_7316	0	0	34	21	0	23	25	0
NCA 10_Res_7317	0	0	50	39	0	46	45	0
NCA 08_Res_7318	0	37	69	66	40	68	66	37
NCA 03_Res_3158	16	56	44	26	0	37	35	0
NCA 03_Res_3809	30	67	59	55	0	42	59	29
NCA 08_Com_7319	0	15	56	55	54	59	47	30
NCA 02_Res_2823	0	73	65	41	0	56	44	0
NCA 01_Res_3921	0	56	44	38	0	46	29	0
NCA 13_Res_7320	0	0	28	9	0	0	0	0
NCA 06_Res_4629	12	67	53	31	0	56	39	62
NCA 09_Res_7321	0	0	53	54	34	44	37	0
NCA 07_Res_7322	0	44	52	50	30	49	37	39
NCA 05_Res_4689	14	83	72	59	0	71	74	73

NCA 01_Res_3947	0	55	43	33	0	41	37	0
NCA 06_Res_1897	12	75	68	65	0	45	44	59
NCA 10_Res_7323	0	0	44	40	0	41	41	0
NCA 10_Res_7324	0	0	41	38	22	39	39	0
NCA 10_Com_7325	0	0	53	50	31	58	56	0
NCA 09_Res_7326	0	0	45	44	24	41	35	0
NCA 02_Res_4771	14	58	46	36	0	35	44	0
NCA 02_Res_4527	7	59	43	27	0	38	33	0
NCA 09_Res_7327	0	0	54	51	32	48	31	0
NCA 01_Res_1060	0	59	46	34	0	43	40	0
NCA 10_Res_7328	0	0	38	35	31	34	31	0
NCA 10_Res_7329	0	0	42	39	18	40	42	0
NCA 03_Res_3508	23	71	58	31	0	49	36	31
NCA 11_Res_7330	0	0	49	43	0	47	49	0
NCA 05_Res_4559	15	84	70	44	0	62	51	56
NCA 02_Res_1244	15	64	48	37	0	45	44	0
NCA 09_Res_7331	0	0	47	46	37	34	31	0
NCA 02_Res_3386	18	65	49	25	0	45	34	0
NCA 01_Res_3582	0	76	64	32	0	57	40	0
NCA 05_Res_4768	16	67	54	33	0	47	39	47
NCA 11_Res_7332	0	0	71	54	0	64	59	0
NCA 13_Res_7333	0	0	27	7	0	0	0	0
NCA 01_Med_2182	0	56	41	34	0	42	24	0
NCA 05_Res_4454	13	58	47	35	0	46	45	51
NCA 07_Res_7334	0	44	48	45	32	45	41	43
NCA 06_Com_4392	6	57	42	39	0	40	33	44
NCA 02_Res_3777	0	55	45	28	0	39	41	0
NCA 07_Res_7335	0	42	50	49	27	48	34	39
NCA 06_Res_5176	20	55	48	45	0	41	43	53
NCA 09_Res_7336	0	0	69	66	36	64	53	0
NCA 02_Res_4733	20	77	53	42	0	63	47	0
NCA 13_Res_7337	0	0	31	0	0	0	0	0
NCA 10_Res_7338	0	0	44	41	0	42	42	0
NCA 02_Res_1441	2	53	41	29	0	35	33	0
NCA 03_Res_3798	33	68	57	49	0	47	52	36
NCA 06_Res_4554	11	66	46	41	0	47	37	48
NCA 08_Res_7339	0	40	48	50	31	51	43	38
NCA 02_Res_2529	0	59	49	39	0	46	49	0
NCA 01_Res_2379	0	73	58	43	0	53	23	0
NCA 10_Res_7340	0	0	41	36	24	39	36	0
NCA 02_Res_4549	8	62	52	31	0	38	40	0
NCA 06_Res_1401	12	59	44	29	0	46	41	54
NCA 02_Res_4968	0	64	54	33	0	41	44	0
NCA 03_Res_3134	28	61	50	38	0	42	42	38
NCA 02_Res_4759	0	69	58	34	0	45	41	0
NCA 05_Res_4573	13	64	51	42	0	47	42	47
NCA 06_Res_4398	10	64	42	37	0	42	35	45
NCA 08_Res_7341	0	0	41	39	37	38	32	0
NCA 01_Res_2386	0	58	45	38	0	45	20	0
NCA 09_Res_7342	0	0	44	42	37	42	37	0
NCA 02_Res_3884	0	52	44	30	0	41	39	0
NCA 06_Res_1707	8	64	54	50	0	43	47	58
NCA 02_Res_1903	14	60	46	35	0	41	45	0

NCA 10_Res_7343	0	0	69	64	33	65	69	0
NCA 05_Res_4631	16	67	53	29	0	49	38	47
NCA 02_Res_2858	0	63	60	49	0	44	52	0
NCA 02_Res_2967	0	72	65	60	0	53	53	0
NCA 10_Res_7344	0	0	47	44	0	44	46	0
NCA 04_Res_3419	25	57	46	41	0	37	47	30
NCA 05_Res_4666	13	63	51	35	0	54	42	59
NCA 10_Com_7345	0	0	53	51	23	52	48	0
NCA 01_Res_2610	0	52	38	31	0	38	28	0
NCA 04_Res_3696	36	81	72	64	0	48	65	36
NCA 04_Res_1679	23	54	42	30	0	35	35	36
NCA 12_Com_7346	0	0	36	10	0	12	13	0
NCA 10_Com_7347	0	0	43	40	19	47	40	0
NCA 13_Res_7348	0	0	35	14	0	0	0	0
NCA 01_Res_2550	0	83	74	32	0	64	40	0
NCA 03_Res_1215	16	60	44	28	0	41	34	0
NCA 09_Res_7349	0	0	54	54	36	36	31	0
NCA 01_Res_2778	0	67	55	35	0	51	43	0
NCA 08_Res_7350	0	47	56	52	23	51	34	41
NCA 10_Res_7351	0	0	50	48	11	47	48	0
NCA 02_Res_1514	13	64	49	36	0	42	45	0
NCA 12_Com_7352	0	0	38	16	0	18	19	0
NCA 11_Res_7353	0	0	69	35	0	36	36	0
NCA 06_Res_5163	0	56	53	50	0	45	44	63
NCA 07_Res_7354	0	58	53	53	26	42	48	55
NCA 05_Res_1447	17	63	49	29	0	44	36	45
NCA 01_Res_2968	0	46	34	26	0	39	20	0
NCA 10_Res_7355	0	0	64	64	26	60	39	0
NCA 07_Res_7356	0	58	48	47	12	42	43	54
NCA 01_Res_3556	0	70	57	29	0	51	37	0
NCA 01_Res_2901	0	75	62	28	0	57	34	0
NCA 01_Res_2624	0	64	53	45	0	52	23	0
NCA 09_Res_7357	0	0	56	52	36	51	38	0
NCA 11_Res_7358	0	0	45	42	0	43	43	0
NCA 08_Res_7359	0	0	55	57	54	35	26	0
NCA 02_Res_3520	20	82	68	57	0	46	64	0
NCA 02_Res_1232	14	58	51	31	0	38	41	0
NCA 04_Res_4485	42	63	48	33	0	28	34	29
NCA 09_Res_7360	0	0	42	42	36	34	29	0
NCA 10_Com_7361	0	0	56	54	32	65	58	0
NCA 12_Com_7362	0	0	32	21	0	20	23	0
NCA 02_Res_4287	0	79	71	39	0	58	44	0
NCA 03_Res_2995	19	81	69	31	0	57	37	30
NCA 04_Res_2761	37	62	50	42	0	38	45	37
NCA 02_Res_3706	11	56	46	30	0	33	38	0
NCA 02_Res_2620	0	66	66	52	0	47	70	0
NCA 13_Res_7363	0	0	29	9	0	0	0	0
NCA 11_Res_7364	0	0	54	36	0	37	38	0
NCA 07_Com_7365	0	40	39	37	33	37	33	38
NCA 12_Com_7366	0	0	35	28	0	30	30	0
NCA 10_Res_7367	0	0	40	37	27	41	36	0
NCA 01_Res_2893	0	55	39	35	0	40	27	0
NCA 08_Res_7368	0	39	60	58	32	56	62	37

NCA 07_Res_7370	0	47	55	55	24	36	34	44
NCA 09_Res_7371	0	0	49	48	44	31	26	0
NCA 01_Res_2397	0	64	63	44	0	64	24	0
NCA 08_Res_7372	0	42	48	44	29	44	40	39
NCA 08_Com_7373	0	35	57	55	51	57	51	36
NCA 08_Res_7374	0	0	44	44	44	39	30	0
NCA 03_Res_1173	26	63	51	35	0	43	36	16
NCA 02_Res_2366	0	77	70	62	0	45	42	0
NCA 05_Res_4952	17	71	58	27	0	51	33	41
NCA 04_Res_1774	27	66	57	50	0	47	56	37
NCA 02_Res_1513	19	60	47	34	0	42	43	0
NCA 08_Res_7376	0	43	58	51	34	49	49	40
NCA 13_Res_7377	0	0	28	9	0	0	0	0
NCA 11_Res_7378	0	0	70	54	0	65	61	0
NCA 01_Res_2442	0	72	62	43	0	54	50	0
NCA 09_Res_7379	0	0	51	52	28	37	32	0
NCA 09_Res_7380	0	0	50	51	26	45	39	0
NCA 08_Res_7381	0	0	57	59	62	52	36	0
NCA 12_Com_7382	0	0	44	31	0	33	32	0
NCA 04_Med_4568	29	57	44	27	0	36	33	37
NCA 11_Res_7383	0	0	52	32	0	33	32	0
NCA 10_Res_7384	0	0	46	42	0	42	43	0
NCA 08_Res_7385	0	38	47	44	31	48	47	37
NCA 06_Res_1600	-2	74	64	59	0	47	42	54
NCA 04_Res_1502	23	72	63	44	0	52	49	27
NCA 10_Res_7386	0	0	46	43	24	44	44	0
NCA 11_Res_7387	0	0	40	29	0	31	31	0
NCA 02_Res_4565	9	63	49	41	0	41	37	0
NCA 06_Res_5156	0	65	57	53	0	48	43	66
NCA 13_Res_7388	0	0	36	15	0	0	0	0
NCA 03_Res_2722	16	78	72	36	0	55	50	0
NCA 08_Com_7389	0	40	65	66	48	64	54	37
NCA 08_Res_7390	0	0	52	53	45	34	27	0
NCA 04_Res_1231	22	57	47	36	0	39	41	38
NCA 13_Res_7391	0	0	34	14	0	0	0	0
NCA 02_Res_1812	8	69	54	43	0	38	53	0
NCA 13_Res_7392	0	0	34	15	0	0	0	0
NCA 06_Res_1841	21	55	47	45	0	37	34	45
NCA 01_Res_2377	0	51	39	31	0	41	29	0
NCA 03_Res_1344	8	53	41	22	0	34	30	0
NCA 11_Res_7393	0	0	70	34	0	33	32	0
NCA 09_Res_7394	0	0	56	55	56	37	30	0
NCA 05_Res_4676	16	69	57	37	0	52	43	47
NCA 02_Res_1778	20	60	43	31	0	40	38	0
NCA 07_Com_7395	0	51	46	45	16	34	37	45
NCA 10_Res_7396	0	0	42	39	31	40	39	0
NCA 03_Res_1266	15	56	41	25	0	38	34	0
NCA 10_Res_7397	0	0	37	35	18	47	36	0
NCA 02_Res_3266	0	62	52	35	0	41	44	0
NCA 01_Res_1200	0	51	45	30	0	42	24	0
NCA 01_Res_2622	0	70	54	51	0	51	25	0
NCA 07_Res_7398	0	38	58	57	30	54	41	39
NCA 02_Res_4283	14	51	39	27	0	33	32	0

NCA 09_Res_7399	0	0	45	47	24	38	34	0
NCA 01_Res_2969	0	59	54	44	0	53	21	0
NCA 03_Res_4345	23	64	53	35	0	44	41	31
NCA 13_Res_7400	0	0	31	6	0	0	0	0
NCA 11_Res_7401	0	0	61	37	0	37	37	0
NCA 11_Res_7402	0	0	56	40	0	43	42	0
NCA 05_Res_1048	17	69	56	33	0	49	40	47
NCA 11_Res_7403	0	0	53	28	0	31	31	0
NCA 01_Res_2729	0	84	73	38	0	67	40	0
NCA 08_Res_7404	0	43	65	62	30	60	46	37
NCA 05_Res_1534	17	66	51	30	0	45	39	46
NCA 01_Res_4798	0	68	50	30	0	50	31	0
NCA 05_Res_4869	13	66	53	43	0	53	47	58
NCA 01_Res_2224	0	70	57	32	0	53	36	0
NCA 02_Res_1829	21	58	45	33	0	40	40	0
NCA 08_Res_7405	0	40	50	48	31	49	50	36
NCA 06_Com_4493	13	59	46	36	0	45	36	50
NCA 11_Res_7406	0	0	68	68	18	64	68	0
NCA 08_Res_7407	0	0	49	49	51	38	31	0
NCA 08_Com_7408	0	36	40	39	30	40	32	37
NCA 03_Res_3736	19	75	45	29	0	52	34	0
NCA 11_Res_7409	0	0	52	42	0	42	43	0
NCA 03_Res_1859	24	60	47	33	0	41	36	0
NCA 03_Res_3782	23	78	64	31	0	55	36	33
NCA 09_Res_7410	0	0	70	70	36	65	49	0
NCA 13_Res_7411	0	0	25	2	0	22	0	0
NCA 11_Res_7412	0	0	53	47	0	50	49	0
NCA 13_Res_7413	0	0	31	12	0	0	0	0
NCA 02_Res_1180	0	56	44	30	0	41	39	0
NCA 04_Res_2976	36	58	47	31	0	35	35	39
NCA 10_Res_7414	0	0	50	48	23	47	50	0
NCA 13_Res_7415	0	0	34	15	0	0	0	0
NCA 03_Res_3675	13	56	45	27	0	36	38	0
NCA 03_Res_1278	22	56	46	33	0	39	38	37
NCA 01_Res_2129	0	44	34	24	0	40	18	0
NCA 03_Res_1822	21	81	76	30	0	54	35	0
NCA 11_Res_7416	0	0	49	32	0	34	34	0
NCA 09_Res_7417	0	0	35	34	31	28	22	0
NCA 01_Res_2744	0	52	39	32	0	40	32	0
NCA 07_Com_7418	0	51	46	44	17	35	37	45
NCA 08_Res_7419	0	38	48	49	31	48	38	36
NCA 02_Res_3417	13	58	44	30	0	40	38	0
NCA 02_Res_2338	0	57	49	40	0	43	51	0
NCA 09_Com_7420	0	0	53	47	33	44	38	0
NCA 01_Res_4841	0	81	70	32	0	65	32	0
NCA 08_Res_7421	0	41	51	54	29	57	42	38
NCA 05_Res_4530	16	81	70	34	0	50	42	50
NCA 07_Res_7422	0	42	58	57	33	55	40	39
NCA 11_Res_7423	0	0	71	45	0	35	36	0
NCA 08_Res_7424	0	39	51	50	28	49	36	37
NCA 02_Res_2725	0	58	50	36	0	45	43	0
NCA 13_Res_7425	0	0	36	15	0	0	0	0
NCA 02_Res_2179	0	54	45	32	0	40	43	0

NCA 02_Res_4907	22	58	43	29	0	40	35	0
NCA 01_Res_3887	0	58	41	31	0	40	33	0
NCA 01_Res_2955	0	52	39	32	0	38	28	0
NCA 11_Res_7426	0	0	50	40	0	42	42	0
NCA 08_POW_7427	0	0	54	53	52	31	28	0
NCA 01_Res_4341	0	56	42	25	0	41	29	0
NCA 02_Res_2448	0	59	50	45	0	45	54	0
NCA 10_Com_7428	0	0	39	36	22	52	38	0
NCA 07_Com_7429	0	52	44	41	26	41	39	45
NCA 03_Res_2755	13	56	44	26	0	38	35	0
NCA 03_Res_1234	17	61	45	27	0	43	35	0
NCA 02_Res_3962	0	70	64	58	0	52	51	0
NCA 10_POW_7430	0	0	60	56	25	55	59	0
NCA 03_Res_1916	28	61	49	39	0	41	44	32
NCA 08_Res_7431	0	0	53	54	58	41	34	0
NCA 09_Res_7432	0	0	69	65	36	63	50	0
NCA 01_Res_2354	0	44	37	24	0	58	17	0
NCA 08_Res_7433	0	32	46	42	29	43	41	31
NCA 10_Res_7434	0	0	48	44	0	45	45	0
NCA 04_Res_1618	51	66	54	48	0	41	53	40
NCA 10_Res_7435	0	0	67	66	20	64	69	0
NCA 08_Res_7436	0	46	70	62	35	61	58	40
NCA 05_Res_1213	12	76	62	33	0	55	39	52
NCA 11_Res_7437	0	0	45	37	0	39	39	0
NCA 02_Res_2387	0	61	49	35	0	41	46	0
NCA 03_Res_1298	15	53	40	22	0	35	28	0
NCA 11_Res_7438	0	0	47	35	0	36	37	0
NCA 07_Res_7439	0	49	60	59	28	37	43	51
NCA 06_Res_1739	8	68	59	58	0	44	48	60
NCA 02_Res_3140	0	68	57	34	0	37	36	0
NCA 05_Res_1934	12	67	54	31	0	49	40	48
NCA 12_Com_7440	0	0	42	33	0	36	35	0
NCA 02_Res_3170	11	84	75	48	0	39	74	0
NCA 10_Res_7441	0	0	41	40	20	46	34	0
NCA 01_Res_3869	0	54	45	32	0	46	23	0
NCA 07_Res_7442	0	46	51	50	28	49	38	41
NCA 13_Com_7443	0	0	35	24	0	24	25	0
NCA 13_Res_7444	0	0	34	15	0	24	0	0
NCA 11_Res_7445	0	0	43	32	0	34	34	0
NCA 11_Res_7446	0	0	52	37	0	38	38	0
NCA 01_Res_2800	0	47	36	26	0	52	21	0
NCA 03_Res_1077	28	73	56	36	0	51	40	0
NCA 06_Res_4510	17	62	50	32	0	52	46	56
NCA 12_Com_7447	0	0	51	26	0	28	28	0
NCA 01_Res_3951	0	67	51	41	0	52	33	0
NCA 01_Res_4272	0	53	38	31	0	39	26	0
NCA 10_Res_7448	0	0	45	42	14	43	41	0
NCA 06_Res_3223	11	78	61	51	0	56	47	47
NCA 08_Res_7449	0	43	51	48	23	48	51	39
NCA 10_Res_7450	0	0	69	64	25	64	70	0
NCA 12_Com_7451	0	0	31	10	0	11	12	0
NCA 02_Res_2974	13	71	54	50	0	47	43	0
NCA 10_Com_7452	0	0	47	45	23	52	48	0

NCA 01_Res_2790	0	78	64	28	0	58	34	0
NCA 06_Res_4688	15	62	47	31	0	49	42	57
NCA 08_Res_7453	0	37	42	41	32	41	36	37
NCA 01_Res_3946	0	57	46	32	0	41	39	0
NCA 02_Res_4872	16	67	52	40	0	46	47	0
NCA 06_Res_4245	13	69	57	46	0	49	44	44
NCA 02_Res_2236	0	61	51	44	0	44	54	0
NCA 02_Res_2346	0	65	52	36	0	46	44	0
NCA 12_Com_7454	0	0	31	24	0	25	27	0
NCA 01_Res_2833	0	49	48	29	0	48	23	0
NCA 09_Res_7455	0	0	48	47	28	44	40	0
NCA 01_Res_3776	0	51	38	32	0	38	23	0
NCA 11_Res_7456	0	0	52	30	0	32	33	0
NCA 04_Res_3703	45	62	50	33	0	36	37	38
NCA 01_Res_2469	0	65	52	34	0	49	36	0
NCA 02_Res_1410	9	78	66	44	0	45	47	0
NCA 01_Res_2214	0	61	48	44	0	47	28	0
NCA 12_Com_7457	0	0	21	10	0	12	13	0
NCA 09_Res_7458	0	0	38	36	36	33	28	0
NCA 03_Res_3328	33	81	70	48	0	60	53	33
NCA 11_Res_7459	0	0	45	34	0	36	35	0
NCA 13_Res_7460	0	0	20	7	0	10	10	0
NCA 01_Res_2360	0	65	53	27	0	47	35	0
NCA 09_Res_7461	0	0	45	47	22	38	36	0
NCA 10_Res_7462	0	0	44	42	20	43	46	0
NCA 12_Com_7463	0	0	38	15	0	16	18	0
NCA 02_Res_6009	0	85	79	62	0	63	63	0
NCA 05_Res_1349	20	66	52	36	0	48	44	51
NCA 05_Res_1791	17	61	49	32	0	45	40	46
NCA 11_Res_7464	0	0	45	40	0	42	42	0
NCA 08_Res_8225	0	24	44	43	39	42	35	31
NCA 10_Res_7465	0	0	45	39	29	40	40	0
NCA 07_Res_7466	0	57	50	50	29	41	37	49
NCA 10_Res_7467	0	0	36	35	18	55	37	0
NCA 08_Res_7468	0	46	47	44	23	43	37	40
NCA 03_Res_1631	23	57	45	30	0	39	35	36
NCA 12_Com_7469	0	0	30	14	0	16	17	0
NCA 02_Res_4552	21	76	59	46	0	45	55	0
NCA 11_Res_7470	0	0	48	36	0	38	37	0
NCA 01_Res_2905	0	64	52	33	0	48	34	0
NCA 07_Com_7006	0	48	49	48	33	47	39	31
NCA 13_Res_7471	0	0	32	7	0	0	0	0
NCA 09_Res_7472	0	0	55	56	26	48	35	0
NCA 01_Res_4273	0	53	39	32	0	41	28	0
NCA 03_Res_4069	15	64	41	23	0	43	30	0
NCA 11_Res_7473	0	0	45	37	0	40	39	0
NCA 08_Com_7474	0	38	47	46	37	46	39	37
NCA 09_Res_7475	0	0	68	69	54	43	37	0
NCA 02_Res_4724	11	77	68	54	0	54	60	0
NCA 06_Res_3480	9	63	51	42	0	45	37	50
NCA 12_Com_7476	0	0	21	9	0	10	10	0
NCA 11_Res_7477	0	0	43	35	0	38	38	0
NCA 08_Res_7478	0	37	59	55	34	53	50	36

NCA 02_Res_3952	0	77	70	51	0	60	50	0
NCA 05_Res_2032	13	84	70	36	0	53	47	53
NCA 01_Res_2280	0	59	50	38	0	43	45	0
NCA 09_Res_7479	0	0	49	46	29	38	31	0
NCA 03_Res_4063	23	79	63	37	0	62	39	0
NCA 02_Res_2964	0	63	50	28	0	37	38	0
NCA 04_Res_3098	50	72	63	41	0	41	39	39
NCA 10_Res_7480	0	0	43	41	23	46	42	0
NCA 04_Com_4242	32	83	66	32	0	43	39	46
NCA 13_Res_7481	0	0	29	10	0	21	14	0
NCA 06_Res_1251	0	71	61	58	0	44	44	61
NCA 10_Res_7482	0	0	50	48	23	46	52	0
NCA 07_Res_7483	0	42	56	54	29	52	32	38
NCA 03_Res_2087	18	66	52	27	0	45	32	26
NCA 02_Res_3668	20	82	70	52	0	49	66	0
NCA 03_Res_2166	19	75	59	29	0	48	34	31
NCA 06_Res_3661	13	53	48	46	0	37	36	48
NCA 06_Res_1569	4	65	55	52	0	39	38	53
NCA 08_Res_7484	0	0	48	49	53	34	31	0
NCA 02_Res_2510	0	58	48	36	0	44	43	0
NCA 11_Res_7485	0	0	46	41	14	43	42	0
NCA 02_Res_1777	0	86	75	40	0	47	46	0
NCA 02_Res_3938	0	67	55	37	0	40	38	0
NCA 01_Res_2304	0	75	66	49	0	55	25	0
NCA 06_Res_4789	9	66	55	50	0	53	41	48
NCA 01_Res_2369	0	83	73	35	0	66	40	0
NCA 03_Res_1902	19	69	46	29	0	46	34	0
NCA 01_Res_2619	0	58	45	28	0	41	34	0
NCA 02_Res_4555	9	64	48	38	0	41	39	0
NCA 02_Res_4719	12	63	47	30	0	38	41	0
NCA 07_Res_7486	0	45	46	44	31	43	35	42
NCA 05_Res_2048	12	65	52	31	0	47	39	47
NCA 11_Res_7487	0	0	51	41	0	42	42	0
NCA 10_Res_7488	0	0	44	40	13	40	40	0
NCA 02_Res_4755	21	82	56	47	0	64	53	0
NCA 10_Res_7489	0	0	51	40	0	47	47	0
NCA 08_Res_7490	0	37	52	53	28	51	41	37
NCA 13_Res_7491	0	0	37	16	0	26	0	0
NCA 07_Res_7492	0	53	51	51	0	39	45	53
NCA 02_Res_2538	11	77	68	55	0	53	60	0
NCA 01_Res_3930	0	63	52	43	0	54	26	0
NCA 02_Res_2570	0	66	52	34	0	42	39	0
NCA 02_Res_1274	7	64	60	32	0	39	42	0
NCA 13_Res_7493	0	0	22	1	0	15	0	0
NCA 03_Res_3654	18	62	51	24	0	42	30	0
NCA 02_Res_2877	0	60	49	36	0	43	46	0
NCA 13_Res_7494	0	0	36	15	0	0	0	0
NCA 11_Res_7495	0	0	54	29	0	31	31	0
NCA 10_Res_7496	0	0	55	52	18	51	53	0
NCA 01_Res_3942	0	66	50	49	0	51	27	0
NCA 11_Res_7497	0	0	72	39	0	39	39	0
NCA 13_Res_7498	0	0	26	1	0	11	9	0
NCA 11_Res_7499	0	0	70	48	0	51	52	0

NCA 09_Res_7500	0	0	44	44	33	37	30	0
NCA 06_Res_5000	15	86	70	55	0	62	51	52
NCA 01_Res_2644	0	61	49	26	0	45	33	0
NCA 08_Res_7501	0	30	40	39	34	40	34	27
NCA 03_Res_1981	21	77	65	28	0	57	33	0
NCA 03_Res_1096	16	55	41	25	0	36	36	0
NCA 01_Res_2514	0	60	50	39	0	44	46	0
NCA 07_Res_7502	0	41	70	68	27	65	46	38
NCA 06_Res_4313	15	60	45	29	0	47	38	55
NCA 01_Res_4853	0	46	45	27	0	53	20	0
NCA 03_Res_1864	18	65	57	41	0	42	41	0
NCA 03_Res_1497	9	54	40	20	0	36	29	0
NCA 02_Res_4453	10	67	54	39	0	43	59	0
NCA 09_Com_7503	0	0	63	61	44	46	39	0
NCA 11_Res_7504	0	0	50	38	0	46	43	0
NCA 02_Res_2941	14	75	61	48	0	45	62	0
NCA 08_Res_7505	0	0	60	56	58	51	32	0
NCA 02_Res_1238	16	53	40	27	0	33	32	0
NCA 09_Res_7506	0	0	51	48	31	38	30	0
NCA 01_Res_2136	0	65	48	46	0	51	26	0
NCA 01_Res_2537	0	46	34	26	0	45	22	0
NCA 11_Res_7507	0	0	45	30	0	32	32	0
NCA 08_Res_7508	0	46	51	48	30	47	35	41
NCA 01_Res_3565	0	65	53	29	0	49	33	0
NCA 09_Res_7510	0	0	51	48	29	39	30	0
NCA 07_Res_7511	0	45	45	43	32	42	37	43
NCA 08_Com_7512	0	28	40	39	33	44	34	31
NCA 08_Res_7513	0	41	70	64	38	63	52	36
NCA 07_Res_7514	0	41	55	54	33	51	35	38
NCA 11_Res_7515	0	0	68	40	0	62	51	0
NCA 09_Res_7516	0	0	62	62	50	41	35	0
NCA 03_Res_1697	15	62	46	31	0	40	39	0
NCA 09_Res_7517	0	0	59	57	25	54	44	0
NCA 13_Res_7518	0	0	32	13	0	0	0	0
NCA 10_Res_7519	0	0	42	40	32	40	40	0
NCA 08_Res_7520	0	40	45	43	32	46	43	38
NCA 01_Res_4917	0	57	43	31	0	39	37	0
NCA 09_Res_7521	0	0	70	67	38	61	45	0
NCA 07_Res_7522	0	48	48	49	32	41	41	49
NCA 09_Res_7523	0	0	69	70	59	46	38	0
NCA 09_Res_7524	0	0	44	43	35	36	25	0
NCA 06_Caf_6056	9	66	40	31	0	48	32	49
NCA 10_Com_7525	0	0	55	53	31	71	57	0
NCA 13_Res_7526	0	0	33	4	0	0	0	0
NCA 08_Res_7528	0	38	54	49	32	49	43	33
NCA 02_Res_1659	0	53	42	33	0	33	33	0
NCA 06_Com_1187	7	56	39	32	0	39	32	42
NCA 03_Res_1634	21	61	46	31	0	41	35	0
NCA 05_Res_4517	16	68	56	30	0	51	37	46
NCA 08_Res_7529	0	30	40	38	35	41	33	34
NCA 03_Res_3079	26	66	55	50	0	44	54	25
NCA 03_Res_1560	22	58	43	27	0	41	36	0
NCA 01_Com_2408	0	44	38	24	0	47	19	0

NCA 01_Res_4942	0	66	50	45	0	48	28	0
NCA 06_Res_1701	10	82	70	54	0	70	62	75
NCA 08_Res_7530	0	45	50	45	23	44	39	40
NCA 01_Res_2374	0	53	38	33	0	39	22	0
NCA 01_Res_2609	0	71	58	36	0	54	38	0
NCA 02_Res_3126	16	53	43	25	0	35	32	0
NCA 03_Res_1503	14	65	49	21	0	44	27	0
NCA 04_Res_3021	42	59	48	36	0	37	41	36
NCA 09_Res_7531	0	0	48	48	46	30	26	0
NCA 05_Res_4766	14	72	57	31	0	50	39	48
NCA 09_Res_7532	0	0	41	45	24	37	33	0
NCA 03_Res_1498	23	76	65	29	0	57	35	0
NCA 07_Res_7533	0	56	61	61	19	39	43	50
NCA 02_Res_2014	0	53	41	29	0	35	36	0
NCA 11_Res_7534	0	0	46	36	0	38	37	0
NCA 02_Res_2804	0	90	79	55	0	45	53	0
NCA 09_Res_7535	0	0	60	60	59	42	37	0
NCA 01_Res_4847	0	71	58	25	0	53	32	0
NCA 04_Res_2548	38	76	66	61	0	44	65	36
NCA 05_Res_1459	13	78	64	50	0	63	65	65
NCA 03_Res_1272	15	54	41	23	0	35	33	0
NCA 09_Res_7536	0	0	49	47	36	46	36	0
NCA 03_Res_4989	29	68	56	42	0	48	45	31
NCA 10_Res_7537	0	0	41	38	23	40	40	0
NCA 05_Res_1386	24	70	56	30	0	43	38	46
NCA 08_Res_7538	0	16	37	36	33	39	32	27
NCA 10_Res_7539	0	0	43	38	21	41	40	0
NCA 01_Res_2241	0	55	44	36	0	46	26	0
NCA 12_Com_7540	0	0	22	9	0	11	11	0
NCA 09_Res_7541	0	0	67	62	46	44	39	0
NCA 03_Res_1425	23	65	53	29	0	45	34	0
NCA 03_Res_1370	17	59	44	33	0	39	34	0
NCA 09_Res_7542	0	0	44	43	29	38	32	0
NCA 09_Res_7543	0	0	48	46	26	45	36	0
NCA 03_Res_4971	16	59	43	24	0	40	30	0
NCA 01_Res_2958	0	83	70	23	0	63	28	0
NCA 11_Res_7544	0	0	49	43	0	45	46	0
NCA 08_Res_7545	0	44	41	40	21	35	35	39
NCA 13_Com_7546	0	0	28	20	0	21	22	0
NCA 02_Res_2458	0	57	48	42	0	43	53	0
NCA 09_Res_7547	0	0	54	56	53	39	30	0
NCA 03_Res_3443	23	78	63	28	0	53	33	28
NCA 13_Res_7548	0	0	33	12	0	0	0	0
NCA 03_Res_1420	16	63	46	23	0	43	32	0
NCA 10_Res_7549	0	0	42	41	32	46	47	0
NCA 01_Res_2468	0	52	39	26	0	39	31	0
NCA 02_Res_4534	6	60	48	31	0	43	39	0
NCA 02_Res_4387	12	64	47	32	0	41	40	0
NCA 05_Res_1413	18	64	51	36	0	48	44	51
NCA 12_Com_7550	0	0	44	31	0	32	32	0
NCA 12_Com_7551	0	0	26	11	0	12	14	0
NCA 01_Res_2278	0	70	56	49	0	51	26	0
NCA 08_Res_7552	0	0	51	47	53	31	26	0

NCA 09_Res_7553	0	0	54	51	29	44	37	0
NCA 12_Com_7554	0	0	35	17	0	19	19	0
NCA 06_Res_4729	19	84	66	55	0	69	53	75
NCA 07_Res_7555	0	44	61	60	35	57	41	41
NCA 07_Res_7556	0	40	56	55	32	53	39	37
NCA 02_Res_3741	8	78	63	53	0	47	47	0
NCA 05_Res_1838	20	85	72	56	0	66	63	67
NCA 03_Res_1324	31	75	63	40	0	54	44	36
NCA 01_Com_1174	0	61	61	40	0	60	27	0
NCA 11_Res_7557	0	0	46	42	20	43	42	0
NCA 02_Res_1900	16	67	54	35	0	43	46	0
NCA 10_Res_7558	0	0	39	37	28	47	39	0
NCA 08_Res_7559	0	40	53	49	23	48	52	38
NCA 09_Res_7560	0	0	53	51	23	49	40	0
NCA 02_Res_2637	0	67	57	35	0	40	40	0
NCA 11_Res_7561	0	0	44	23	0	25	26	0
NCA 11_Res_7562	0	0	54	41	0	51	43	0
NCA 06_Res_4605	5	58	47	37	0	42	35	41
NCA 03_Res_4776	30	80	81	41	0	65	46	34
NCA 08_Res_7563	0	10	44	44	44	42	31	24
NCA 06_Res_4725	17	86	74	62	0	65	59	59
NCA 02_Res_4910	0	63	52	35	0	37	37	0
NCA 07_Res_7565	0	36	63	58	32	57	42	34
NCA 02_Res_2845	0	77	65	38	0	40	47	0
NCA 07_Res_7566	0	34	47	46	32	46	37	33
NCA 12_Com_7567	0	0	36	10	0	12	12	0
NCA 03_Res_2718	23	56	47	31	0	38	40	0
NCA 02_Res_1690	3	60	47	34	0	41	45	0
NCA 02_Res_2503	0	61	54	44	0	46	54	0
NCA 08_Res_7568	0	39	69	66	40	69	64	38
NCA 13_Res_7569	0	0	20	2	0	11	10	0
NCA 06_Res_5177	20	55	47	44	0	42	42	52
NCA 07_Res_7570	0	49	45	44	20	37	36	43
NCA 03_Res_3246	25	81	67	35	0	58	39	29
NCA 11_Res_7571	0	0	52	41	0	42	41	0
NCA 08_Com_7572	0	38	43	41	29	41	39	37
NCA 08_Res_7573	0	0	55	50	55	35	27	0
NCA 13_Res_7574	0	0	37	16	0	27	0	0
NCA 06_Res_4263	0	52	43	39	0	38	35	46
NCA 06_Res_1532	6	77	66	54	0	57	54	51
NCA 10_Res_7575	0	0	49	47	31	46	52	0
NCA 09_Res_7576	0	0	46	47	21	40	35	0
NCA 09_Res_7577	0	0	52	52	25	47	34	0
NCA 06_PoW_1411	24	83	65	57	0	67	55	72
NCA 01_Res_2331	0	54	51	33	0	49	27	0
NCA 01_Res_2683	0	53	40	32	0	41	31	0
NCA 02_Res_3047	16	57	46	30	0	39	41	0
NCA 05_Res_3129	20	85	71	50	0	64	57	61
NCA 01_Res_4912	0	72	59	48	0	60	27	0
NCA 09_Res_7578	0	0	43	42	32	40	34	0
NCA 12_Com_7579	0	0	21	12	0	13	15	0
NCA 12_Com_7580	0	0	28	17	0	18	19	0
NCA 08_Res_7581	0	34	52	52	30	52	46	35

NCA 07_Res_7582	0	42	48	46	34	46	41	37
NCA 08_Res_7583	0	0	40	39	43	37	31	0
NCA 02_Res_3167	0	75	63	40	0	44	45	0
NCA 11_Res_7584	0	0	53	51	0	50	50	0
NCA 02_Res_2887	0	56	49	40	0	43	50	0
NCA 07_Res_7585	0	54	54	54	30	41	42	50
NCA 09_Res_7586	0	0	40	39	24	35	35	0
NCA 13_Res_7587	0	0	38	16	0	26	0	0
NCA 01_Res_4435	0	55	38	31	0	40	29	0
NCA 01_Res_2332	0	64	49	47	0	47	26	0
NCA 11_Res_7588	0	0	70	55	0	44	43	0
NCA 06_Res_1455	14	69	58	52	0	52	50	50
NCA 05_Res_4699	13	65	53	38	0	53	50	56
NCA 09_Res_7589	0	0	43	42	28	39	37	0
NCA 02_Res_1551	20	72	57	42	0	48	47	0
NCA 03_Res_3190	16	75	71	36	0	55	48	0
NCA 09_Res_7590	0	0	42	42	32	37	31	0
NCA 10_Res_7591	0	0	50	47	19	47	51	0
NCA 11_Res_7592	0	0	48	35	0	38	38	0
NCA 02_Res_2183	0	69	61	55	0	51	55	0
NCA 03_Res_3655	25	89	78	42	0	65	46	36
NCA 03_Res_1603	28	72	56	37	0	49	40	0
NCA 09_Res_7593	0	0	42	41	29	31	26	0
NCA 08_Res_7594	0	37	53	53	37	52	45	36
NCA 09_Res_7595	0	0	70	59	39	50	42	0
NCA 11_Res_7596	0	0	45	36	0	39	40	0
NCA 11_Res_7597	0	0	74	59	0	68	66	0
NCA 07_Res_7598	0	42	47	46	21	44	33	39
NCA 01_Res_4441	0	79	66	28	0	60	33	0
NCA 01_Res_1059	0	68	49	25	0	50	23	0
NCA 03_Com_1668	16	78	61	31	0	56	37	0
NCA 07_Res_7599	0	46	44	42	23	41	32	38
NCA 09_Res_7600	0	0	48	48	35	41	28	0
NCA 10_Res_7601	0	0	54	53	23	51	59	0
NCA 01_Res_2815	0	65	40	34	0	47	25	0
NCA 13_Res_7602	0	0	31	21	0	24	23	0
NCA 11_Res_7603	0	0	49	36	0	38	38	0
NCA 07_Res_7604	0	59	54	54	29	43	44	54
NCA 03_Res_4557	25	84	56	34	0	65	38	0
NCA 02_Res_2081	12	57	44	33	0	35	34	0
NCA 11_Res_7605	0	0	49	30	0	32	33	0
NCA 03_Res_2159	18	69	57	40	0	45	49	0
NCA 03_Res_2035	16	59	46	25	0	39	34	0
NCA 12_Com_7606	0	0	34	28	0	30	31	0
NCA 09_Res_7607	0	0	58	56	44	40	32	0
NCA 03_Res_3055	13	55	46	29	0	38	39	0
NCA 01_Res_2688	0	66	50	47	0	49	30	0
NCA 02_Res_2742	20	68	53	43	0	40	50	0
NCA 08_Com_7608	0	19	55	55	53	59	41	29
NCA 10_Res_7609	0	0	46	43	0	43	43	0
NCA 13_Res_7610	0	0	35	6	0	23	0	0
NCA 02_Res_4486	17	56	44	35	0	34	43	0
NCA 07_Res_7611	0	48	48	48	0	39	46	51

NCA 05_Res_4804	17	76	63	33	0	56	42	50
NCA 06_Com_1750	6	50	35	28	0	36	28	40
NCA 09_Res_7612	0	0	69	67	32	51	36	0
NCA 10_Res_7613	0	0	46	44	25	51	49	0
NCA 13_Res_7614	0	0	32	0	0	0	0	0
NCA 07_Com_8206	0	52	52	52	20	50	41	46
NCA 01_Res_3870	0	66	54	39	0	50	44	0
NCA 10_Res_7615	0	0	62	62	29	58	43	0
NCA 06_Res_2198	8	67	55	44	0	47	42	41
NCA 02_Res_1605	6	73	56	35	0	49	40	0
NCA 06_Res_1046	16	82	56	47	0	60	44	49
NCA 03_Res_1626	15	70	53	26	0	47	33	0
NCA 09_Res_7616	0	0	45	45	31	38	34	0
NCA 08_Res_7617	0	45	50	44	31	45	39	39
NCA 01_Res_2137	0	82	56	42	0	66	35	0
NCA 10_Res_7618	0	0	44	36	24	40	38	0
NCA 08_Res_7619	0	0	48	48	53	37	31	0
NCA 08_Res_7620	0	46	70	63	38	63	53	40
NCA 06_Res_5175	20	53	47	43	0	40	41	54
NCA 02_Res_2076	0	61	49	34	0	41	38	0
NCA 01_Res_2874	0	53	40	32	0	41	31	0
NCA 13_Res_7621	0	0	33	0	0	0	0	0
NCA 08_Res_7622	0	0	70	61	64	48	38	0
NCA 08_Com_7623	0	23	37	37	34	42	32	29
NCA 01_Res_3622	0	52	41	30	0	44	28	0
NCA 09_Res_7624	0	0	50	49	49	33	29	0
NCA 07_Com_7625	0	37	37	36	13	35	27	37
NCA 01_Res_2417	0	73	60	53	0	53	25	0
NCA 01_Res_2865	0	63	46	43	0	48	27	0
NCA 10_Res_7626	0	0	59	57	34	55	40	0
NCA 02_Res_2286	0	68	59	40	0	38	40	0
NCA 10_Com_7627	0	0	56	56	31	67	56	0
NCA 05_Res_3662	10	83	72	58	0	71	74	74
NCA 01_Com_4821	0	71	53	28	0	53	35	0
NCA 07_Res_7628	0	51	55	57	0	40	45	50
NCA 11_Res_7629	0	0	60	59	0	57	61	0
NCA 01_Res_2244	0	79	60	33	0	61	37	0
NCA 10_Res_7630	0	0	51	48	32	47	31	0
NCA 08_Res_7631	0	40	43	40	22	40	41	37
NCA 08_Res_7632	0	0	42	41	43	41	36	0
NCA 10_Com_7633	0	0	53	52	27	61	56	0
NCA 13_Com_7634	0	0	32	14	0	0	0	0
NCA 10_Res_7635	0	0	52	51	30	49	53	0
NCA 03_Res_3091	26	73	59	32	0	52	36	0
NCA 04_Res_1662	51	65	53	29	0	39	34	42
NCA 09_Res_7636	0	0	60	57	37	54	37	0
NCA 02_Res_2414	0	53	46	37	0	40	48	0
NCA 11_Res_7637	0	0	44	32	0	34	34	0
NCA 01_Res_2578	0	58	48	35	0	43	42	0
NCA 09_Res_7638	0	0	42	41	23	39	33	0
NCA 06_Res_5159	0	61	55	52	0	47	41	65
NCA 03_Res_3076	30	69	57	40	0	49	44	37
NCA 04_Com_1071	28	62	45	27	0	39	34	42

NCA 09_Res_7639	0	0	51	51	43	35	30	0
NCA 08_Res_7640	0	41	47	44	25	44	36	38
NCA 08_Res_7641	0	46	46	44	30	42	35	41
NCA 10_Res_7642	0	0	56	52	20	52	55	0
NCA 01_Res_2443	0	59	45	38	0	48	28	0
NCA 02_Res_4645	18	63	47	35	0	40	45	0
NCA 10_Res_7643	0	0	69	66	34	65	62	0
NCA 11_Res_7644	0	0	42	39	23	41	39	0
NCA 01_Com_4894	0	72	49	28	0	54	36	0
NCA 02_Res_1099	0	60	49	31	0	39	38	0
NCA 02_Res_4491	9	60	51	38	0	36	45	0
NCA 12_Com_7645	0	0	34	28	0	30	31	0
NCA 06_Com_1192	11	81	57	46	0	65	49	50
NCA 02_Res_1118	0	53	46	36	0	39	47	0
NCA 03_Res_3291	12	76	70	32	0	52	37	0
NCA 08_Com_7646	0	-3	51	51	53	59	40	11
NCA 09_Res_7647	0	0	53	51	33	46	30	0
NCA 02_Res_2217	0	74	69	59	0	51	62	0
NCA 01_Res_2282	0	59	45	40	0	46	32	0
NCA 02_Res_4385	16	61	46	35	0	35	44	0
NCA 13_Res_7648	0	0	32	14	0	0	0	0
NCA 02_Res_2257	0	67	57	36	0	49	50	0
NCA 06_Res_1221	8	57	38	33	0	38	30	41
NCA 07_Res_7649	0	33	70	69	36	65	46	38
NCA 05_Res_4563	9	59	46	33	0	43	41	47
NCA 06_Res_4591	8	52	41	36	0	38	31	42
NCA 11_Res_7650	0	0	48	40	0	42	42	0
NCA 11_Res_7651	0	0	49	33	0	40	33	0
NCA 06_Com_1170	11	57	39	34	0	41	31	44
NCA 11_Res_7652	0	0	56	30	0	32	32	0
NCA 09_Res_7653	0	0	61	61	34	35	32	0
NCA 13_Res_7654	0	0	28	5	0	17	0	0
NCA 02_Res_3699	20	60	45	31	0	36	36	0
NCA 02_Res_3450	22	83	71	56	0	45	69	0
NCA 13_Res_7655	0	0	27	4	0	6	0	0
NCA 03_Res_2071	28	81	69	33	0	61	38	27
NCA 08_Res_7656	0	41	51	49	28	48	48	38
NCA 06_Res_5147	0	80	71	70	0	64	67	80
NCA 05_Res_2109	28	79	65	32	0	45	39	48
NCA 01_Com_3536	0	58	35	24	0	41	22	0
NCA 08_Res_7657	0	0	41	40	41	38	32	0
NCA 10_Res_7658	0	0	50	48	24	52	55	0
NCA 01_Res_2880	0	62	44	44	0	45	33	0
NCA 03_Res_3732	17	65	46	26	0	45	32	0
NCA 06_Res_3656	0	51	42	38	0	36	34	44
NCA 09_Res_7659	0	0	43	41	33	40	35	0
NCA 11_Res_7660	0	0	46	33	0	36	35	0
NCA 12_Com_7661	0	0	30	11	0	12	13	0
NCA 13_POW_7662	0	0	31	11	0	0	0	0
NCA 01_Res_2596	0	62	49	38	0	41	38	0
NCA 02_Res_2471	0	56	45	24	0	40	32	0
NCA 01_Res_4840	0	74	62	27	0	55	35	0
NCA 08_Res_7663	0	0	50	47	52	34	30	0

NCA 05_Res_1361	20	85	72	49	0	64	57	60
NCA 08_Res_7664	0	0	50	50	51	38	31	0
NCA 06_Res_4641	12	62	47	34	0	49	37	55
NCA 03_Res_1350	24	76	52	34	0	55	37	0
NCA 02_Res_3983	0	69	60	48	0	39	37	0
NCA 02_Res_2530	0	70	61	44	0	41	40	0
NCA 13_Res_7665	0	0	35	14	0	0	0	0
NCA 08_Res_7666	0	39	57	56	27	56	47	38
NCA 06_Med_1190	7	58	40	32	0	42	30	47
NCA 10_Com_7667	0	0	41	38	19	53	39	0
NCA 09_Res_7668	0	0	69	68	24	64	41	0
NCA 10_Res_7669	0	0	52	51	18	49	51	0
NCA 09_Res_7670	0	0	45	47	28	37	34	0
NCA 01_Res_2777	0	48	39	29	0	39	20	0
NCA 12_Com_7671	0	0	36	32	0	34	33	0
NCA 08_Res_7672	0	38	54	53	32	53	48	37
NCA 04_Res_3760	48	62	50	41	0	34	45	38
NCA 10_Res_7673	0	0	70	66	34	65	58	0
NCA 01_Res_2871	0	70	59	48	0	51	51	0
NCA 06_Res_1223	10	64	54	49	0	43	47	57
NCA 11_Res_7674	0	0	49	25	0	27	26	0
NCA 08_Com_7675	0	0	42	44	49	33	27	0
NCA 11_Res_7676	0	0	45	38	0	41	41	0
NCA 01_Res_2956	0	50	43	32	0	42	21	0
NCA 01_Res_4288	0	46	40	25	0	48	18	0
NCA 10_Res_7677	0	0	42	36	20	38	38	0
NCA 11_Res_7678	0	0	58	43	0	43	45	0
NCA 03_Res_3211	18	72	58	26	0	48	32	0
NCA 13_Res_7679	0	0	37	16	0	26	0	0
NCA 06_Res_3010	6	61	36	29	0	43	28	39
NCA 03_Res_3273	22	79	47	30	0	56	34	0
NCA 01_Res_2810	0	72	56	42	0	53	25	0
NCA 13_Res_7680	0	0	34	15	0	0	0	0
NCA 01_Res_4826	0	55	39	29	0	39	31	0
NCA 08_POW_7681	0	30	62	62	39	61	56	33
NCA 10_Res_7682	0	0	56	54	34	52	39	0
NCA 02_Res_4548	13	59	44	32	0	42	42	0
NCA 01_Res_2357	0	61	48	37	0	45	41	0
NCA 03_Res_1994	18	76	60	27	0	49	32	29
NCA 03_Res_1369	23	72	59	29	0	51	34	28
NCA 11_Res_7683	0	0	70	38	0	38	38	0
NCA 05_Res_1689	12	75	63	47	0	59	54	62
NCA 01_Res_2588	0	57	45	34	0	41	36	0
NCA 10_Res_7684	0	0	66	66	20	63	69	0
NCA 02_Res_4437	0	55	47	34	0	41	47	0
NCA 11_Res_7685	0	0	46	40	0	42	42	0
NCA 12_Com_7686	0	0	40	18	0	18	19	0
NCA 01_Res_2215	0	48	46	29	0	56	22	0
NCA 10_Res_7687	0	0	49	46	0	46	44	0
NCA 09_Res_7688	0	0	44	43	42	31	27	0
NCA 04_Res_1878	25	63	48	28	0	40	35	43
NCA 07_Res_7689	0	43	51	51	22	49	32	40
NCA 06_Med_4765	11	58	44	37	0	44	32	48

NCA 08_Res_7690	0	0	50	50	52	38	31	0
NCA 01_Res_3566	0	59	48	35	0	43	43	0
NCA 01_Com_1131	0	44	39	25	0	48	17	0
NCA 01_Res_3778	0	69	47	36	0	53	30	0
NCA 01_Res_3907	0	58	47	25	0	43	28	0
NCA 07_Res_7691	0	42	70	68	36	65	47	38
NCA 11_Res_7692	0	0	49	35	0	37	37	0
NCA 08_Res_7693	0	39	64	63	34	61	64	37
NCA 06_Res_5145	0	75	71	69	0	63	70	79
NCA 06_Com_1563	10	62	40	29	0	45	31	47
NCA 06_Res_5178	22	57	48	45	0	42	41	51
NCA 06_Res_5165	0	76	74	74	0	66	77	79
NCA 07_Res_7694	0	46	66	66	30	43	41	47
NCA 11_Res_7695	0	0	44	37	0	39	39	0
NCA 08_Res_7696	0	45	44	42	21	41	35	40
NCA 05_Res_4640	14	64	52	39	0	54	55	60
NCA 02_Res_1465	20	67	53	41	0	37	49	0
NCA 01_Res_1016	0	65	56	37	0	49	47	0
NCA 10_Res_7697	0	0	49	44	30	44	49	0
NCA 07_Com_7698	0	39	44	42	32	43	38	36
NCA 01_Com_4836	0	57	35	27	0	41	21	0
NCA 07_Res_7699	0	47	86	67	37	67	49	41
NCA 02_Res_3488	9	81	69	64	0	50	66	0
NCA 02_Res_3678	7	67	50	31	0	46	37	0
NCA 06_Res_1515	17	53	44	41	0	36	32	42
NCA 01_Res_4926	0	57	45	27	0	42	33	0
NCA 09_Res_7700	0	0	44	43	41	43	38	0
NCA 07_Res_7701	0	42	51	47	33	47	37	38
NCA 11_Res_7702	0	0	58	43	0	44	44	0
NCA 01_Res_2696	0	46	35	26	0	44	21	0
NCA 10_Res_7703	0	0	56	54	27	52	57	0
NCA 07_Com_7704	0	35	37	36	14	41	25	35
NCA 04_Com_2117	36	59	44	29	0	31	32	36
NCA 09_Com_7705	0	0	59	54	28	41	38	0
NCA 10_Res_7706	0	0	44	43	24	42	41	0
NCA 11_Res_7707	0	0	43	35	0	40	35	0
NCA 08_Res_7708	0	42	48	43	28	43	40	38
NCA 10_Res_7709	0	0	48	47	24	46	42	0
NCA 05_Res_1813	12	65	51	36	0	49	42	53
NCA 02_Res_3561	0	83	76	56	0	62	59	0
NCA 13_Res_7710	0	0	34	14	0	0	0	0
NCA 09_Res_7711	0	0	68	66	58	34	27	0
NCA 08_Res_7712	0	46	55	51	24	50	34	40
NCA 03_Res_3082	19	64	47	27	0	44	33	32
NCA 11_Res_7713	0	0	47	38	0	38	36	0
NCA 01_Res_3878	0	53	40	32	0	41	31	0
NCA 07_Com_7714	0	49	39	37	27	38	30	41
NCA 01_Res_2231	0	49	36	27	0	35	27	0
NCA 07_Res_7715	0	46	57	57	13	33	33	45
NCA 01_Res_3867	0	78	65	50	0	56	24	0
NCA 07_Res_7716	0	56	55	54	14	38	44	51
NCA 03_Res_4307	27	68	55	35	0	47	40	37
NCA 07_Res_7717	0	58	54	53	24	42	48	55

NCA 10_Res_7718	0	0	42	38	30	40	38	0
NCA 02_Res_2310	0	63	50	37	0	43	44	0
NCA 11_Res_7719	0	0	52	42	0	44	44	0
NCA 01_Res_4443	0	56	40	27	0	39	31	0
NCA 08_Res_7720	0	0	49	48	40	35	31	0
NCA 01_Res_2358	0	60	49	32	0	45	35	0
NCA 02_Res_4750	8	58	45	32	0	40	40	0
NCA 01_Res_4824	0	64	53	23	0	49	24	0
NCA 03_Med_4628	14	60	40	21	0	43	30	0
NCA 10_Res_7721	0	0	54	50	36	49	35	0
NCA 07_Res_7722	0	40	44	42	35	42	31	35
NCA 08_Res_7723	0	43	70	67	38	65	51	37
NCA 01_Res_5056	0	77	65	26	0	58	33	0
NCA 01_Com_1104	0	62	50	46	0	51	17	0
NCA 13_Res_7724	0	0	18	0	0	0	0	0
NCA 01_Res_2597	0	64	51	33	0	48	37	0
NCA 11_Res_7725	0	0	51	36	0	37	36	0
NCA 10_Res_7726	0	0	56	52	20	51	56	0
NCA 03_Res_1355	25	78	66	32	0	58	37	28
NCA 10_Res_7727	0	0	53	52	23	50	45	0
NCA 11_Res_7728	0	0	70	36	0	37	37	0
NCA 10_Res_7729	0	0	56	56	25	53	42	0
NCA 02_Res_4007	16	78	70	47	0	49	59	0
NCA 08_Res_7730	0	46	70	62	34	61	57	40
NCA 11_Res_7731	0	0	62	40	0	42	43	0
NCA 01_Res_3954	0	76	63	29	0	58	33	0
NCA 08_Res_7732	0	0	39	37	38	47	30	0
NCA 04_Res_1178	27	66	38	23	0	29	27	31
NCA 08_Com_7733	0	0	51	52	56	38	28	0
NCA 10_Com_7734	0	0	42	38	24	41	40	0
NCA 07_Res_7735	0	34	45	43	18	43	28	34
NCA 01_Res_2775	0	84	59	46	0	69	34	0
NCA 09_Res_7736	0	0	43	46	23	36	33	0
NCA 08_Res_7737	0	38	53	47	29	46	43	36
NCA 05_Res_3807	24	71	56	35	0	48	44	48
NCA 01_Res_4932	0	56	43	31	0	40	32	0
NCA 03_Res_1596	19	55	43	28	0	36	33	32
NCA 02_Res_1904	0	60	51	34	0	38	38	0
NCA 01_Res_3928	0	67	48	39	0	50	33	0
NCA 07_Res_7738	0	56	53	52	26	41	48	54
NCA 10_Res_7739	0	0	45	40	29	41	41	0
NCA 08_EDU_7740	0	0	47	47	47	45	33	0
NCA 04_Res_1779	28	58	47	34	0	39	36	39
NCA 05_Res_1430	21	65	51	30	0	45	39	48
NCA 03_Res_1887	23	71	59	31	0	51	34	0
NCA 05_Res_1347	19	64	50	33	0	46	43	48
NCA 10_Res_7741	0	0	42	38	22	47	40	0
NCA 07_Com_7742	0	37	47	45	32	45	38	36
NCA 01_Res_2376	0	62	49	36	0	46	41	0
NCA 05_Res_4600	26	59	46	34	0	48	40	54
NCA 03_Res_3362	15	69	54	27	0	46	32	0
NCA 11_Res_7743	0	0	63	39	0	40	39	0
NCA 13_Res_7744	0	0	32	0	0	0	0	0

NCA 01_Res_2212	0	59	46	38	0	48	22	0
NCA 06_Com_1157	11	58	37	28	0	41	30	44
NCA 01_Res_2857	0	51	39	30	0	40	25	0
NCA 01_Res_3719	0	72	57	48	0	50	22	0
NCA 11_Res_7745	0	0	51	40	0	37	36	0
NCA 02_Res_1487	15	69	54	38	0	39	46	0
NCA 05_Res_1667	14	77	63	37	0	50	47	54
NCA 10_Com_7746	0	0	58	56	32	65	61	0
NCA 08_Res_7747	0	0	59	55	59	50	32	0
NCA 06_Res_4514	12	66	48	30	0	52	38	61
NCA 06_Res_5029	12	58	45	36	0	46	36	52
NCA 03_Res_4643	10	53	40	22	0	34	34	0
NCA 12_Com_7748	0	0	37	19	0	20	21	0
NCA 02_Res_3206	11	74	61	57	0	37	65	0
NCA 05_Res_4660	12	68	56	46	0	56	55	60
NCA 11_Res_7749	0	0	66	37	0	38	37	0
NCA 13_Res_7750	0	0	36	15	0	0	0	0
NCA 08_Res_7751	0	39	43	41	28	44	40	38
NCA 02_Res_2287	0	53	43	31	0	36	36	0
NCA 06_Res_2759	10	55	43	36	0	40	34	45
NCA 10_Res_7752	0	0	68	65	34	63	66	0
NCA 09_Res_7753	0	0	70	70	58	46	38	0
NCA 02_Res_3540	0	84	84	60	0	48	49	0
NCA 06_Com_1182	6	83	55	43	0	67	48	51
NCA 01_Res_2643	0	48	36	28	0	40	24	0
NCA 13_Res_7754	0	0	33	13	0	0	0	0
NCA 02_Res_3653	14	66	53	35	0	41	45	0
NCA 09_Res_7755	0	0	44	43	25	40	32	0
NCA 08_Res_7756	0	30	46	43	29	43	32	28
NCA 02_Res_4538	8	60	45	27	0	36	32	0
NCA 03_Res_1394	30	71	60	58	0	43	62	29
NCA 03_Res_1289	22	67	53	33	0	46	37	27
NCA 09_Res_7757	0	0	52	53	26	44	39	0
NCA 01_Res_2783	0	59	44	37	0	47	29	0
NCA 01_Com_1074	0	69	67	54	0	61	30	0
NCA 11_Res_7758	0	0	48	36	0	37	37	0
NCA 07_CCC_7759	0	47	56	56	24	35	33	43
NCA 02_Res_1768	0	89	79	49	0	50	48	0
NCA 12_Com_7760	0	0	21	11	0	12	12	0
NCA 03_Res_1445	17	60	42	28	0	41	35	0
NCA 10_Res_7761	0	0	54	51	22	50	54	0
NCA 13_Res_7762	0	0	31	9	0	0	0	0
NCA 09_Res_7763	0	0	45	42	25	43	39	0
NCA 02_Res_4567	8	63	48	27	0	41	33	0
NCA 10_Res_7764	0	0	69	68	23	64	71	0
NCA 06_Res_4247	16	60	48	36	0	48	40	53
NCA 13_Res_7765	0	0	31	13	0	0	0	0
NCA 02_Res_4505	14	56	44	27	0	33	41	0
NCA 01_Res_3539	0	64	52	31	0	48	33	0
NCA 05_Res_1773	20	85	72	57	0	66	66	70
NCA 08_Res_7766	0	0	47	48	53	38	28	0
NCA 10_Res_7767	0	0	52	45	0	49	55	0
NCA 02_Res_3133	9	65	48	32	0	44	40	0

NCA 07_Res_7768	0	42	51	48	27	46	35	39
NCA 08_Res_7769	0	43	71	66	41	66	75	38
NCA 11_Res_7770	0	0	44	34	0	36	36	0
NCA 09_Res_7771	0	0	54	52	33	49	34	0
NCA 06_Res_1501	9	68	55	44	0	47	36	43
NCA 10_Res_7772	0	0	42	36	26	38	38	0
NCA 10_Res_7773	0	0	45	41	20	42	43	0
NCA 09_Res_7774	0	0	61	61	24	40	34	0
NCA 02_Res_2383	0	54	46	36	0	40	46	0
NCA 10_Res_7775	0	0	43	39	27	40	40	0
NCA 01_Res_2661	0	57	45	30	0	39	40	0
NCA 07_Res_7776	0	38	49	48	27	46	35	35
NCA 12_Com_7777	0	0	25	10	0	11	12	0
NCA 11_Res_7778	0	0	49	42	0	46	46	0
NCA 11_Res_7779	0	0	53	41	0	42	43	0
NCA 01_Com_2267	0	56	43	33	0	43	19	0
NCA 02_Res_2141	0	69	60	47	0	41	40	0
NCA 08_Res_7780	0	45	51	47	26	46	39	40
NCA 09_Res_7781	0	0	40	41	32	35	33	0
NCA 01_Res_2265	0	49	40	30	0	40	24	0
NCA 08_Res_7782	0	0	48	50	53	29	24	0
NCA 08_Com_7783	0	14	55	55	55	60	46	28
NCA 01_Res_4940	0	67	44	26	0	50	25	0
NCA 01_Res_3595	0	59	47	34	0	43	41	0
NCA 04_Res_9001	36	84	61	30	0	31	32	32
NCA 08_Res_7784	0	42	46	44	29	44	37	38
NCA 13_Res_7785	0	0	32	11	0	24	0	0
NCA 02_Res_2789	0	73	65	43	0	53	54	0
NCA 09_Res_7786	0	0	69	66	54	45	38	0
NCA 06_Com_1171	7	55	37	29	0	38	29	41
NCA 07_Res_7787	0	52	51	51	31	41	42	50
NCA 01_Res_3608	0	61	49	29	0	45	35	0
NCA 10_Res_7788	0	0	42	39	0	40	41	0
NCA 03_Com_1330	13	77	43	21	0	55	28	0
NCA 01_Res_2589	0	66	54	40	0	50	44	0
NCA 01_Res_2364	0	62	50	36	0	45	43	0
NCA 05_Res_1637	16	63	52	36	0	47	38	48
NCA 02_Com_4992	-5	63	51	39	0	41	42	0
NCA 10_Res_7789	0	0	54	53	23	57	59	0
NCA 11_Res_7790	0	0	68	35	0	34	34	0
NCA 05_Res_1146	17	70	56	33	0	48	42	48
NCA 08_Res_7791	0	41	47	42	28	42	38	38
NCA 08_Res_7792	0	43	49	45	23	43	35	39
NCA 13_Res_7793	0	0	33	14	0	0	0	0
NCA 04_Res_1624	47	65	53	44	0	38	48	41
NCA 11_Res_7794	0	0	53	41	0	41	42	0
NCA 08_Com_7795	0	36	44	42	28	42	41	37
NCA 07_Res_7796	0	35	43	41	17	40	28	35
NCA 10_Res_7797	0	0	56	54	34	53	40	0
NCA 03_Res_3131	28	72	56	36	0	50	40	0
NCA 03_Res_1996	22	56	45	33	0	38	38	37
NCA 01_Res_2518	0	60	51	36	0	50	30	0
NCA 08_Res_7798	0	0	59	53	57	40	30	0

NCA 09_Res_7799	0	0	70	66	55	45	39	0
NCA 01_Res_2435	0	60	48	33	0	43	41	0
NCA 03_Res_4566	16	59	42	24	0	41	29	0
NCA 09_Res_7800	0	0	43	41	24	42	39	0
NCA 10_Res_7801	0	0	54	53	24	51	47	0
NCA 02_Res_2446	0	72	62	36	0	53	44	0
NCA 06_Res_1622	14	70	57	47	0	50	44	47
NCA 02_Res_2539	16	63	52	32	0	41	42	0
NCA 03_Res_3232	24	73	57	33	0	48	37	33
NCA 06_Res_3406	7	62	50	42	0	45	40	50
NCA 01_Res_4846	0	51	42	31	0	41	26	0
NCA 08_Res_7802	0	40	53	48	30	49	52	37
NCA 07_Res_7803	0	43	47	45	28	45	35	38
NCA 10_Res_7804	0	0	44	39	0	41	40	0
NCA 08_Com_7805	0	17	56	57	55	77	45	27
NCA 06_Med_1604	5	51	36	29	0	36	28	41
NCA 06_Res_2028	20	72	64	55	0	49	40	50
NCA 11_Res_7806	0	0	56	39	0	41	41	0
NCA 08_Res_7807	0	0	56	58	61	43	33	0
NCA 02_Res_4244	15	67	54	35	0	41	46	0
NCA 01_Res_3898	0	63	47	41	0	48	20	0
NCA 01_Res_3612	0	76	63	29	0	58	34	0
NCA 02_Res_3445	21	79	70	47	0	44	64	0
NCA 01_Res_2482	0	59	47	31	0	43	36	0
NCA 02_Res_3917	0	59	50	39	0	45	50	0
NCA 11_Res_7808	0	0	40	32	0	34	34	0
NCA 03_Res_1557	27	59	48	39	0	40	43	38
NCA 08_Com_7809	0	16	55	55	55	60	46	29
NCA 11_Res_7810	0	0	44	35	0	41	35	0
NCA 11_Res_7812	0	0	50	35	0	32	32	0
NCA 08_Com_7813	0	38	43	41	31	40	39	37
NCA 09_Res_7814	0	0	39	38	30	29	24	0
NCA 06_Res_1910	16	62	50	30	0	52	45	56
NCA 11_Res_7815	0	0	43	33	0	35	36	0
NCA 02_Res_4489	8	58	45	35	0	36	36	0
NCA 01_Res_2604	0	60	41	37	0	43	27	0
NCA 05_Res_3267	17	68	55	33	0	48	39	47
NCA 04_Res_1610	36	87	66	28	0	40	37	42
NCA 06_Res_3404	4	52	36	29	0	36	27	39
NCA 01_Res_2444	0	66	50	48	0	47	26	0
NCA 10_Res_7816	0	0	55	51	34	50	56	0
NCA 06_Res_2097	16	61	49	30	0	51	44	55
NCA 12_Com_7817	0	0	38	15	0	16	18	0
NCA 02_Res_2481	0	62	50	38	0	43	41	0
NCA 03_Res_1270	22	56	42	25	0	38	36	0
NCA 13_Res_7818	0	0	38	16	0	27	0	0
NCA 11_Res_7819	0	0	52	40	0	39	38	0
NCA 04_Res_1402	28	59	37	23	0	29	27	31
NCA 02_Res_2491	0	55	47	34	0	41	45	0
NCA 13_Res_7820	0	0	31	12	0	0	0	0
NCA 09_Res_7821	0	0	44	43	41	43	37	0
NCA 12_Com_7822	0	0	35	32	0	33	34	0
NCA 09_Res_7823	0	0	41	38	25	38	36	0

NCA 08_Res_7824	0	46	45	44	19	41	34	40
NCA 03_Res_1752	15	61	45	31	0	40	39	0
NCA 09_Res_7825	0	0	49	49	35	36	33	0
NCA 08_Res_7826	0	0	57	57	52	34	28	0
NCA 11_Res_7827	0	0	48	30	0	33	33	0
NCA 11_Res_7828	0	0	45	33	0	35	34	0
NCA 11_Res_7829	0	0	47	37	0	39	37	0
NCA 08_Res_7830	0	0	45	45	41	49	30	15
NCA 12_Com_7831	0	0	35	28	0	31	30	0
NCA 08_Res_7832	0	0	56	58	61	54	42	0
NCA 06_Res_1271	7	52	40	33	0	38	31	41
NCA 11_Res_7833	0	0	48	36	0	37	37	0
NCA 08_Res_7834	0	40	52	52	26	50	40	38
NCA 08_Res_7835	0	43	47	43	26	44	36	37
NCA 08_Res_7836	0	37	54	53	30	51	49	36
NCA 01_Res_2607	0	48	37	27	0	39	27	0
NCA 09_Res_7837	0	0	70	70	57	46	38	0
NCA 07_Res_7838	0	40	51	51	32	49	37	40
NCA 01_Res_2648	0	55	43	32	0	44	29	0
NCA 02_Med_1086	6	64	43	29	0	56	37	0
NCA 11_Res_7839	0	0	44	35	0	37	37	0
NCA 04_Res_2090	31	64	47	32	0	32	37	30
NCA 10_Res_7840	0	0	52	51	25	49	43	0
NCA 02_Res_4423	10	61	51	33	0	38	43	0
NCA 03_Res_1611	29	67	54	37	0	46	40	27
NCA 07_Res_7841	0	46	43	41	31	40	37	38
NCA 05_Res_1881	13	75	60	40	0	54	49	52
NCA 03_Res_3452	25	58	47	35	0	39	40	38
NCA 10_Res_7842	0	0	41	39	11	40	38	0
NCA 01_Res_3981	0	54	39	31	0	41	26	0
NCA 01_Res_2274	0	62	49	34	0	47	37	0
NCA 09_Res_7843	0	0	51	49	46	35	29	0
NCA 03_Res_1020	16	57	42	24	0	40	35	0
NCA 08_Res_7844	0	39	56	55	24	53	49	38
NCA 07_Res_7845	0	55	70	67	26	45	41	49
NCA 08_Res_7846	0	40	51	48	25	48	53	38
NCA 02_Res_3601	0	69	60	34	0	55	42	0
NCA 01_Res_1142	0	57	44	36	0	46	23	0
NCA 01_Com_1179	0	55	42	26	0	49	27	0
NCA 04_Res_1437	24	60	48	35	0	40	40	31
NCA 10_Com_7847	0	0	59	54	12	61	56	0
NCA 10_Res_7848	0	0	68	63	33	65	67	0
NCA 01_Res_2134	0	55	43	25	0	41	33	0
NCA 08_Com_7849	0	38	43	42	27	43	38	37
NCA 11_Res_7850	0	0	46	32	0	27	25	0
NCA 01_Com_2627	0	58	39	35	0	42	22	0
NCA 05_Res_4396	16	72	60	34	0	54	42	51
NCA 09_Res_7851	0	0	52	52	42	38	34	0
NCA 11_Res_7852	0	0	49	33	0	35	35	0
NCA 02_Res_2455	0	57	45	28	0	36	34	0
NCA 02_Res_1968	17	56	44	35	0	33	42	0
NCA 10_Res_7853	0	0	55	55	18	52	54	0
NCA 01_Med_2171	0	64	50	33	0	47	36	0

NCA 01_Res_2632	0	48	36	29	0	38	23	0
NCA 11_Res_7854	0	0	70	43	0	32	33	0
NCA 01_Res_3956	0	76	60	49	0	54	22	0
NCA 01_Res_2249	0	62	49	34	0	47	37	0
NCA 07_Res_7855	0	46	44	42	22	41	35	41
NCA 05_Res_1348	13	75	60	32	0	53	42	47
NCA 01_Res_2321	0	55	43	29	0	40	33	0
NCA 02_Res_1477	21	61	44	32	0	42	41	0
NCA 08_Com_7856	0	29	35	34	33	37	31	33
NCA 03_Res_2192	23	74	55	35	0	52	38	0
NCA 02_Res_2950	0	81	70	51	0	61	58	0
NCA 02_Res_3112	10	64	46	32	0	42	40	0
NCA 07_Com_7857	0	36	35	34	16	32	25	36
NCA 08_Res_7858	0	44	64	58	37	58	54	37
NCA 03_Res_4546	15	58	46	30	0	39	40	0
NCA 02_Res_2356	0	67	54	37	0	40	38	0
NCA 08_Res_7859	0	0	50	50	51	33	25	0
NCA 01_Res_2250	0	61	49	33	0	46	37	0
NCA 04_Res_3359	32	57	46	29	0	33	32	35
NCA 11_Res_7860	0	0	49	42	0	43	42	0
NCA 01_Res_2832	0	67	50	39	0	51	34	0
NCA 07_Res_7861	0	49	52	52	15	38	41	48
NCA 11_Res_7862	0	0	45	39	0	41	40	0
NCA 11_Res_7863	0	0	50	42	0	44	44	0
NCA 01_Res_2601	0	53	38	31	0	38	31	0
NCA 03_Res_1261	22	76	64	36	0	57	39	0
NCA 05_Res_1833	12	57	45	27	0	42	35	44
NCA 06_Res_1305	18	67	55	33	0	56	52	62
NCA 07_Res_7864	0	57	54	53	28	41	47	55
NCA 05_Res_4623	18	65	52	31	0	47	37	44
NCA 13_Res_7865	0	0	32	7	0	24	0	0
NCA 11_Res_7866	0	0	44	26	0	25	25	0
NCA 10_Res_7868	0	0	49	46	20	46	45	0
NCA 01_Res_4539	0	56	46	29	0	41	34	0
NCA 08_Res_7869	0	38	53	53	30	53	43	36
NCA 04_Res_3464	25	64	50	28	0	40	35	43
NCA 03_Res_2018	20	72	59	26	0	51	31	0
NCA 07_Res_7870	0	59	55	54	26	43	49	55
NCA 02_Res_1329	15	54	46	25	0	35	34	0
NCA 02_Res_2488	0	67	59	39	0	37	39	0
NCA 10_Res_7871	0	0	49	48	25	47	43	0
NCA 09_Res_7872	0	0	69	66	60	42	35	0
NCA 02_Res_2812	0	84	78	45	0	63	45	0
NCA 10_Res_7873	0	0	56	54	23	51	58	0
NCA 05_Res_3142	18	66	53	31	0	45	41	48
NCA 01_Res_3624	0	72	48	35	0	56	36	0
NCA 10_Res_7874	0	0	39	37	23	36	33	0
NCA 13_Res_7875	0	0	35	15	0	0	0	0
NCA 02_Res_1644	15	72	59	53	0	46	51	0
NCA 11_Res_7876	0	0	42	36	0	37	37	0
NCA 13_Res_7877	0	0	33	9	0	21	0	0
NCA 07_Res_7878	0	43	41	39	31	39	35	42
NCA 01_Res_2960	0	69	54	45	0	49	27	0

NCA 03_Res_3201	27	67	55	35	0	47	39	37
NCA 03_Com_4606	14	62	41	20	0	43	30	0
NCA 05_Res_1760	27	75	61	31	0	45	40	46
NCA 09_Res_7879	0	0	41	40	37	30	27	0
NCA 03_Res_4981	13	55	42	24	0	37	34	0
NCA 11_Res_7880	0	0	70	36	0	37	38	0
NCA 12_Com_7881	0	0	44	31	0	33	33	0
NCA 11_Res_7882	0	0	51	39	0	49	44	0
NCA 02_Res_2156	0	59	54	37	0	41	56	0
NCA 10_Res_7883	0	0	57	56	23	53	62	0
NCA 13_Res_7884	0	0	35	15	0	0	0	0
NCA 09_Res_7885	0	0	54	53	41	35	30	0
NCA 02_Res_3357	0	83	72	44	0	50	43	0
NCA 02_Res_1303	12	67	54	50	0	37	49	0
NCA 09_Res_7886	0	0	50	49	35	44	34	0
NCA 13_Res_7887	0	0	33	8	0	0	0	0
NCA 06_Res_4654	10	66	55	45	0	53	42	50
NCA 01_Com_1201	0	44	37	24	0	46	20	0
NCA 06_Med_3444	12	57	39	30	0	43	33	46
NCA 04_Res_3023	42	85	77	65	0	50	66	36
NCA 03_Res_2041	28	69	54	37	0	48	40	0
NCA 11_Res_7888	0	0	45	37	0	39	39	0
NCA 08_Res_7889	0	37	65	64	37	61	68	32
NCA 03_Res_1839	9	62	45	31	0	40	39	0
NCA 04_Res_3193	35	73	63	60	0	40	64	32
NCA 02_Res_3304	12	77	64	55	0	45	64	0
NCA 01_Res_2410	0	54	45	33	0	48	31	0
NCA 02_Res_2889	0	58	44	31	0	38	39	0
NCA 09_Res_7890	0	0	47	46	40	36	30	0
NCA 09_Res_7891	0	0	41	39	32	36	30	0
NCA 07_Res_7892	0	54	52	51	24	39	43	49
NCA 03_Res_3688	15	66	51	39	0	45	39	0
NCA 06_Com_1906	12	64	42	31	0	49	33	51
NCA 06_Com_1162	18	81	62	54	0	63	50	66
NCA 04_Res_1641	25	60	48	33	0	41	37	39
NCA 03_Res_2945	25	68	61	51	0	49	57	32
NCA 06_Res_4655	15	80	65	53	0	67	57	73
NCA 01_Res_4220	0	58	47	33	0	44	37	0
NCA 03_Res_4720	13	63	50	39	0	42	40	0
NCA 11_Res_7893	0	0	44	32	0	35	34	0
NCA 10_Res_7894	0	0	43	39	27	40	41	0
NCA 03_Res_3117	23	65	52	29	0	45	34	0
NCA 05_Res_4630	9	65	51	31	0	46	40	46
NCA 11_Res_7895	0	0	58	40	0	38	37	0
NCA 01_Com_1110	0	44	46	25	0	55	18	0
NCA 02_Res_3801	21	81	59	44	0	56	54	0
NCA 07_Com_7896	0	43	40	37	32	39	33	40
NCA 08_Res_7897	0	13	47	47	48	48	31	26
NCA 06_Res_5100	0	57	49	46	0	42	42	57
NCA 12_Com_7898	0	0	40	20	0	23	22	0
NCA 09_Res_7899	0	0	54	53	38	36	33	0
NCA 11_Com_7900	0	0	47	37	0	40	41	0
NCA 01_Res_2966	0	56	41	39	0	41	31	0

NCA 03_Res_3300	10	88	54	30	0	63	36	0
NCA 08_Res_7901	0	0	42	39	43	36	31	0
NCA 03_Res_4594	28	64	50	35	0	43	35	0
NCA 08_Res_7902	0	0	42	42	46	40	26	0
NCA 08_Com_7903	0	26	57	56	54	60	47	29
NCA 04_Res_3457	48	71	64	40	0	41	38	39
NCA 02_Res_2879	0	62	59	41	0	45	59	0
NCA 06_Res_1309	9	69	56	46	0	49	44	46
NCA 08_Res_7904	0	46	44	43	22	40	35	40
NCA 07_Res_7905	0	44	69	68	22	33	33	44
NCA 05_Res_4716	12	73	60	47	0	58	43	65
NCA 12_Com_7906	0	0	51	35	0	36	36	0
NCA 01_Res_3544	0	54	38	32	0	39	26	0
NCA 11_Res_7907	0	0	51	31	0	33	34	0
NCA 13_Res_7908	0	0	33	14	0	0	0	0
NCA 02_Res_1923	10	78	69	57	0	52	61	0
NCA 05_Res_4601	13	68	54	33	0	48	40	49
NCA 13_Res_7909	0	0	33	12	0	0	0	0
NCA 02_Res_2112	15	67	49	36	0	38	45	0
NCA 13_Res_7910	0	0	33	0	0	0	0	0
NCA 06_Res_4674	12	66	48	35	0	53	37	61
NCA 01_Res_2840	0	62	50	33	0	46	35	0
NCA 09_Res_7911	0	0	45	45	33	43	39	0
NCA 10_Res_7912	0	0	44	43	26	46	47	0
NCA 11_Res_7913	0	0	66	41	0	33	32	0
NCA 06_Com_4492	11	69	48	39	0	52	39	55
NCA 10_Res_7914	0	0	42	38	0	40	40	0
NCA 07_Res_7915	0	44	56	54	30	53	37	39
NCA 11_Res_7916	0	0	58	39	0	40	40	0
NCA 02_Res_4787	0	54	42	30	0	39	36	0
NCA 09_Res_7917	0	0	57	57	26	47	34	0
NCA 02_Res_1623	0	54	43	33	0	39	35	0
NCA 02_Res_4931	0	56	45	31	0	41	43	0
NCA 02_Res_3159	11	82	69	66	0	50	69	0
NCA 11_Res_7918	0	0	45	30	0	32	31	0
NCA 12_Com_7919	0	0	29	15	0	14	15	0
NCA 09_Res_7920	0	0	60	59	35	53	36	0
NCA 09_Res_7921	0	0	69	66	53	45	38	0
NCA 02_Res_3149	0	73	60	34	0	40	41	0
NCA 05_Res_4584	14	63	51	41	0	47	41	47
NCA 02_Res_2496	0	73	64	46	0	56	50	0
NCA 02_Res_2486	0	70	69	50	0	52	65	0
NCA 08_Com_7922	0	39	42	40	36	40	39	37
NCA 08_Res_7923	0	0	71	63	64	47	39	0
NCA 11_Res_7924	0	0	42	31	0	37	35	0
NCA 02_Res_2766	0	62	53	35	0	41	44	0
NCA 06_Res_3253	7	81	69	63	0	54	45	50
NCA 11_Res_7925	0	0	52	33	0	35	35	0
NCA 11_Res_7926	0	0	44	36	0	38	38	0
NCA 02_Res_3073	16	65	50	35	0	42	46	0
NCA 05_Res_4384	23	86	72	56	0	70	68	77
NCA 06_Med_4414	11	63	43	35	0	46	32	49
NCA 03_Res_1680	22	66	47	34	0	44	35	0

NCA 01_Res_5051	0	54	40	34	0	41	28	0
NCA 02_Res_3679	12	79	66	56	0	38	65	0
NCA 12_Com_7927	0	0	35	18	0	19	19	0
NCA 05_Res_4632	11	70	57	40	0	54	47	55
NCA 11_Res_7928	0	0	47	40	0	42	41	0
NCA 01_Res_2459	0	55	43	28	0	41	34	0
NCA 10_Res_7929	0	0	41	39	30	43	39	0
NCA 09_Res_7930	0	0	45	44	36	31	27	0
NCA 11_Res_7931	0	0	45	35	0	37	37	0
NCA 02_Res_2505	0	75	66	49	0	44	42	0
NCA 08_Res_7933	0	0	64	57	61	50	32	0
NCA 02_Res_2981	7	51	38	25	0	30	34	0
NCA 11_Res_7934	0	0	71	50	0	66	62	0
NCA 06_Res_5011	12	77	69	57	0	59	60	50
NCA 08_Com_7935	0	26	45	44	45	38	37	32
NCA 09_Res_7936	0	0	52	52	33	36	31	0
NCA 01_Res_2395	0	65	52	34	0	45	40	0
NCA 07_Com_7937	0	39	47	45	15	38	29	36
NCA 10_Res_7938	0	0	56	52	29	52	56	0
NCA 04_Com_1055	32	59	41	26	0	28	29	31
NCA 11_Res_7939	0	0	43	38	0	40	40	0
NCA 02_Com_5095	15	68	42	25	0	65	32	0
NCA 02_Res_4671	16	60	47	33	0	41	41	0
NCA 08_Res_7940	0	29	68	68	41	66	59	32
NCA 06_Res_1979	18	54	45	41	0	37	34	45
NCA 13_Res_7941	0	0	28	10	0	0	0	0
NCA 02_Res_2151	0	60	50	44	0	45	55	0
NCA 05_Res_1908	18	83	69	38	0	51	46	54
NCA 05_Res_1378	18	68	55	30	0	47	38	44
NCA 11_Res_7942	0	0	52	51	17	49	50	0
NCA 02_Res_3943	0	85	75	59	0	48	57	0
NCA 09_Res_7943	0	0	40	42	30	37	32	0
NCA 03_Res_3829	18	54	42	27	0	35	32	36
NCA 10_Res_7944	0	0	43	40	17	41	42	0
NCA 10_Res_7945	0	0	45	43	20	48	48	0
NCA 02_Res_4465	15	67	55	39	0	43	50	0
NCA 11_Res_7946	0	0	45	38	15	42	43	0
NCA 12_Com_7947	0	0	38	13	0	14	14	0
NCA 02_Res_2911	0	70	62	43	0	38	42	0
NCA 06_Res_3069	7	53	42	36	0	38	34	43
NCA 12_Com_7948	0	0	34	28	0	30	30	0
NCA 09_Res_7949	0	0	70	69	31	63	40	0
NCA 07_Res_7950	0	50	65	65	31	43	36	45
NCA 06_Res_3013	12	55	46	42	0	40	37	48
NCA 13_Res_7951	0	0	24	5	0	15	0	0
NCA 02_Res_3116	20	83	73	54	0	45	71	0
NCA 01_Res_4848	0	58	38	27	0	41	22	0
NCA 10_Res_7952	0	0	50	48	24	48	40	0
NCA 03_Res_2009	30	70	57	39	0	50	43	37
NCA 12_Com_7953	0	0	29	16	0	17	18	0
NCA 02_Res_1913	0	56	45	28	0	34	35	0
NCA 05_Res_4988	18	60	48	31	0	50	40	56
NCA 11_Res_7954	0	0	43	35	16	40	35	0

NCA 06_Res_4270	18	76	70	62	0	55	50	52
NCA 09_Com_7955	0	0	48	46	34	38	38	0
NCA 09_Res_7956	0	0	70	63	38	57	44	0
NCA 03_Res_1872	16	59	43	27	0	41	35	0
NCA 05_Res_1635	13	70	58	42	0	56	55	62
NCA 13_Res_7957	0	0	26	7	0	0	0	0
NCA 07_Res_7958	0	47	48	45	28	45	35	39
NCA 09_Res_7959	0	0	46	45	43	30	26	0
NCA 04_Res_2986	55	67	64	34	0	39	37	37
NCA 01_Res_3643	0	67	48	36	0	52	30	0
NCA 01_Res_3964	0	75	63	29	0	57	34	0
NCA 01_Res_2652	0	61	48	35	0	40	45	0
NCA 11_Res_7960	0	0	59	37	0	38	39	0
NCA 11_Res_7961	0	0	45	43	20	42	37	0
NCA 10_Res_7962	0	0	42	40	29	42	39	0
NCA 10_Res_7963	0	0	47	45	26	50	47	0
NCA 06_Res_2098	21	53	47	46	0	36	41	50
NCA 13_Res_7964	0	0	32	21	0	24	23	0
NCA 03_Res_3151	30	73	60	41	0	52	44	36
NCA 07_Res_7026	0	42	77	72	35	67	43	42
NCA 08_Res_7965	0	0	49	50	53	43	33	0
NCA 09_Res_7966	0	0	48	47	43	30	27	0
NCA 07_Res_7967	0	43	70	69	22	36	32	42
NCA 09_Res_7968	0	0	48	47	27	35	33	0
NCA 08_Res_7969	0	25	41	40	32	41	35	28
NCA 08_Res_7970	0	43	69	64	40	63	68	35
NCA 09_Res_7971	0	0	69	66	32	52	36	0
NCA 08_Com_7972	0	20	36	36	30	41	31	26
NCA 09_Res_7973	0	0	47	46	25	44	39	0
NCA 06_Res_4258	15	86	64	52	0	62	49	50
NCA 12_Com_7974	0	0	39	12	0	13	14	0
NCA 08_Res_7975	0	0	40	39	40	39	31	0
NCA 13_Res_7976	0	0	30	12	0	24	0	0
NCA 07_Com_7005	0	38	57	55	33	53	38	37
NCA 03_Res_2930	15	61	45	26	0	40	38	0
NCA 03_Com_1193	15	66	44	23	0	47	34	0
NCA 03_Res_3081	25	83	70	45	0	60	50	36
NCA 10_Res_7977	0	0	40	38	21	47	40	0
NCA 13_Res_7978	0	0	28	2	0	16	0	0
NCA 11_Res_7979	0	0	43	37	0	39	39	0
NCA 06_Res_1730	7	56	38	31	0	38	29	41
NCA 08_Res_7980	0	37	60	59	31	57	55	36
NCA 01_Res_2685	0	47	36	27	0	40	25	0
NCA 10_Com_7981	0	0	55	54	31	70	56	0
NCA 02_Res_3597	0	80	68	60	0	46	61	0
NCA 10_Com_7982	0	0	43	40	27	54	42	0
NCA 05_Res_3088	23	65	49	26	0	36	32	38
NCA 01_Res_2220	0	56	41	34	0	42	25	0
NCA 11_Res_7983	0	0	43	35	0	38	37	0
NCA 02_Res_4769	1	77	64	36	0	49	42	0
NCA 04_Res_3825	40	92	82	68	0	53	71	36
NCA 09_Res_7984	0	0	62	62	24	37	30	0
NCA 06_Res_1997	11	54	42	35	0	44	37	49

NCA 02_Res_2854	0	61	49	33	0	39	41	0
NCA 07_Com_7985	0	37	37	35	21	38	28	35
NCA 07_Res_7986	0	38	46	45	30	45	34	37
NCA 08_Res_7987	0	37	59	60	32	61	59	36
NCA 13_Res_7988	0	0	36	15	0	0	0	0
NCA 07_Res_7989	0	61	62	61	22	43	51	57
NCA 01_Res_3585	0	58	46	34	0	43	40	0
NCA 08_Res_7990	0	40	49	48	36	48	42	37
NCA 07_Com_7991	0	53	56	56	17	51	41	46
NCA 01_Res_2660	0	61	48	37	0	45	41	0
NCA 12_Com_7992	0	0	32	10	0	11	11	0
NCA 09_Res_7993	0	0	69	69	53	45	38	0
NCA 07_Res_7994	0	47	45	45	22	35	33	44
NCA 02_Res_1823	21	58	44	29	0	40	36	0
NCA 13_Res_7995	0	0	34	14	0	0	0	0
NCA 09_Res_7996	0	0	47	45	29	40	33	0
NCA 07_Res_7997	0	43	55	54	29	51	33	36
NCA 04_Res_1840	30	57	48	41	0	39	40	37
NCA 08_Res_7998	0	0	40	40	43	37	31	0
NCA 11_Res_7999	0	0	43	23	0	24	24	0
NCA 11_Res_8000	0	0	51	35	0	41	35	0
NCA 02_Res_1156	21	57	43	27	0	39	32	0
NCA 06_Res_4686	22	85	71	58	0	70	62	77
NCA 09_Res_8001	0	0	69	66	61	41	34	0
NCA 10_Res_8002	0	0	40	38	26	41	39	0
NCA 11_Res_8003	0	0	70	47	0	51	50	0
NCA 09_Res_8004	0	0	48	49	47	31	26	0
NCA 13_Res_8005	0	0	24	0	0	0	0	0
NCA 06_Res_1621	15	69	55	46	0	48	39	45
NCA 02_Res_2536	0	74	65	52	0	57	56	0
NCA 01_Res_2649	0	53	40	33	0	41	31	0
NCA 01_Res_2230	0	54	41	33	0	41	27	0
NCA 09_Res_8006	0	0	69	70	59	46	37	0
NCA 05_Res_4306	20	81	71	38	0	55	48	54
NCA 02_Res_2540	9	71	59	51	0	34	67	0
NCA 06_Com_1165	7	56	40	33	0	39	31	45
NCA 01_Res_2633	0	70	56	51	0	51	27	0
NCA 07_Res_8007	0	55	67	67	23	38	43	50
NCA 01_Res_4837	0	55	44	30	0	41	34	0
NCA 05_Res_1462	20	63	50	31	0	43	33	46
NCA 11_Res_8008	0	0	49	36	0	40	39	0
NCA 10_Com_8009	0	0	68	61	19	61	63	0
NCA 05_Res_3826	15	85	72	54	0	65	61	65
NCA 02_Res_2590	0	67	57	41	0	41	43	0
NCA 12_Com_8010	0	0	38	12	0	14	14	0
NCA 06_Edu_1481	8	60	45	41	0	44	33	47
NCA 01_Res_4920	0	56	44	27	0	41	33	0
NCA 13_Res_8011	0	0	25	6	0	18	0	0
NCA 08_Res_8012	0	0	53	56	60	42	35	0
NCA 07_Res_8013	0	46	47	44	35	44	39	39
NCA 10_Res_8014	0	0	46	45	25	45	50	0
NCA 04_Res_1800	41	64	51	49	0	37	53	39
NCA 07_Res_8015	0	55	51	48	0	42	51	56

NCA 10_Res_8016	0	0	59	58	26	54	43	0
NCA 13_Res_8017	0	0	33	11	0	0	0	0
NCA 04_Res_2052	51	65	53	39	0	39	42	43
NCA 06_Com_4513	10	57	38	29	0	42	31	46
NCA 12_Com_8018	0	0	31	28	0	29	30	0
NCA 13_Res_8019	0	0	33	5	0	0	0	0
NCA 11_Res_8020	0	0	49	40	0	41	41	0
NCA 03_Res_1499	17	66	52	26	0	44	31	0
NCA 03_Res_2985	12	60	46	31	0	41	37	0
NCA 02_Res_2494	0	67	56	39	0	41	38	0
NCA 06_Res_5155	0	66	58	54	0	49	45	67
NCA 11_Res_8021	0	0	50	32	0	34	33	0
NCA 05_Res_1732	14	89	75	40	0	60	48	55
NCA 09_Res_8022	0	0	55	54	43	38	32	0
NCA 07_Res_8023	0	37	50	48	19	33	29	38
NCA 01_Res_2403	0	84	73	32	0	67	40	0
NCA 06_Res_4577	7	52	41	35	0	37	31	43
NCA 12_Com_8024	0	0	36	32	0	33	33	0
NCA 02_Res_4598	3	62	49	36	0	44	35	0
NCA 10_Res_8025	0	0	46	44	27	43	48	0
NCA 09_Res_8026	0	0	58	54	33	51	36	0
NCA 07_Res_8027	0	61	71	70	24	43	51	57
NCA 09_Res_8028	0	0	50	49	25	46	36	0
NCA 10_Res_8029	0	0	61	60	22	63	65	0
NCA 02_Res_4271	0	60	51	36	0	44	55	0
NCA 01_Res_2260	0	72	56	52	0	52	25	0
NCA 10_Res_8030	0	0	70	68	0	65	72	0
NCA 01_Res_1111	0	59	51	37	0	51	22	0
NCA 08_Res_8031	0	40	45	44	30	44	40	38
NCA 04_Res_2939	36	57	45	33	0	35	36	36
NCA 05_Res_1340	13	70	58	38	0	56	46	63
NCA 12_Com_8032	0	0	36	22	0	24	25	0
NCA 11_Res_8033	0	0	51	43	0	43	44	0
NCA 02_Res_3521	0	70	60	46	0	52	57	0
NCA 03_Res_3054	24	60	44	32	0	42	36	35
NCA 04_Res_3002	37	57	46	33	0	36	34	39
NCA 11_Res_8034	0	0	52	51	0	41	42	0
NCA 04_Res_3097	29	58	47	38	0	39	39	38
NCA 02_Res_2699	0	53	43	31	0	38	41	0
NCA 06_Res_1154	17	64	50	34	0	52	47	59
NCA 06_Res_4250	15	74	62	39	0	63	63	66
NCA 06_Res_1815	10	61	48	41	0	47	40	53
NCA 11_Res_8035	0	0	54	31	0	35	33	0
NCA 01_Res_4264	0	62	49	37	0	46	41	0
NCA 10_Res_8037	0	0	51	50	23	48	39	0
NCA 02_Res_2492	0	78	71	62	0	62	68	0
NCA 01_Res_3605	0	65	62	46	0	63	25	0
NCA 07_Res_8038	0	40	50	47	33	46	35	38
NCA 04_Com_3411	34	62	41	27	0	28	30	31
NCA 01_Res_2653	0	61	40	32	0	44	27	0
NCA 07_Res_8039	0	59	50	51	29	42	44	54
NCA 10_Res_8040	0	0	54	52	33	50	51	0
NCA 12_Com_8041	0	0	43	23	0	21	22	0

NCA 02_Res_2741	0	63	51	45	0	43	49	0
NCA 08_Res_8042	0	0	45	44	43	33	25	0
NCA 02_Res_1184	0	61	49	35	0	42	47	0
NCA 11_Res_8043	0	0	69	29	0	30	30	0
NCA 01_Res_2954	0	60	48	27	0	44	33	0
NCA 06_Res_4687	12	64	53	48	0	45	45	49
NCA 07_Res_8044	0	56	54	53	22	41	46	52
NCA 01_Res_2184	0	59	44	38	0	47	29	0
NCA 10_Res_8045	0	0	41	39	24	40	40	0
NCA 01_Res_2253	0	84	74	35	0	66	40	0
NCA 12_Com_8046	0	0	37	21	0	22	24	0
NCA 07_Com_8047	0	46	44	43	16	34	35	45
NCA 13_Res_8048	0	0	34	12	0	0	0	0
NCA 05_Res_2073	14	89	75	41	0	61	49	54
NCA 07_Com_8049	0	46	45	44	16	33	37	45
NCA 09_Res_8050	0	0	55	55	27	41	32	0
NCA 07_Res_8051	0	44	56	55	36	53	32	38
NCA 12_Com_8052	0	0	34	28	0	30	31	0
NCA 11_Res_8053	0	0	71	59	0	46	45	0
NCA 07_Res_8054	0	58	63	54	0	46	56	62
NCA 12_Com_8055	0	0	38	12	0	13	14	0
NCA 08_Res_8056	0	0	53	54	57	34	28	0
NCA 13_Res_8057	0	0	33	16	0	27	0	0
NCA 10_Res_8058	0	0	49	46	32	50	52	0
NCA 09_Res_8059	0	0	47	46	26	45	38	0
NCA 05_Res_1964	16	71	56	37	0	50	44	53
NCA 10_Res_8060	0	0	48	47	32	45	36	0
NCA 01_Res_2839	0	70	52	53	0	52	27	0
NCA 11_Res_8061	0	0	71	34	0	35	34	0
NCA 04_Res_2013	51	65	53	36	0	39	38	41
NCA 13_Res_8062	0	0	32	0	0	0	0	0
NCA 13_Res_8063	0	0	32	13	0	0	0	0
NCA 03_Res_4737	15	57	41	24	0	40	34	0
NCA 09_Res_8064	0	0	49	48	43	32	24	0
NCA 11_Res_8065	0	0	45	33	0	36	36	0
NCA 03_Res_3665	19	79	52	32	0	61	35	0
NCA 13_Res_8066	0	0	34	15	0	24	0	0
NCA 11_Res_8067	0	0	56	27	0	29	29	0
NCA 05_Res_3347	10	54	43	31	0	44	43	50
NCA 10_Res_8068	0	0	60	58	31	56	53	0
NCA 02_Res_2105	0	59	47	33	0	37	36	0
NCA 02_Res_3918	0	80	72	51	0	59	57	0
NCA 01_Res_2584	0	91	77	29	0	68	28	0
NCA 08_Res_8069	0	42	53	50	23	49	55	39
NCA 02_Res_1863	0	53	41	28	0	34	34	0
NCA 02_Res_3803	0	91	78	48	0	44	45	0
NCA 07_Res_8070	0	40	53	52	29	50	35	37
NCA 05_Res_4599	12	66	54	41	0	52	50	56
NCA 02_Res_2628	0	66	52	33	0	41	39	0
NCA 08_Com_8071	0	26	42	41	38	41	32	31
NCA 13_Res_8072	0	0	32	10	0	0	0	0
NCA 10_Res_8073	0	0	51	51	25	49	39	0
NCA 06_Res_1595	19	80	71	61	0	59	63	47

NCA 05_Res_4866	16	70	58	33	0	53	43	50
NCA 11_Res_8074	0	0	61	36	0	37	37	0
NCA 01_Com_4279	0	43	32	23	0	45	14	0
NCA 07_Com_8075	0	35	36	35	14	38	25	36
NCA 01_Com_4924	0	65	49	31	0	48	37	0
NCA 01_Res_2450	0	55	40	34	0	41	25	0
NCA 05_Res_4139	15	70	58	38	0	54	45	49
NCA 09_Res_8076	0	0	37	35	24	30	25	0
NCA 05_Res_1970	23	83	69	55	0	67	67	70
NCA 01_Res_2894	0	52	39	32	0	41	26	0
NCA 08_Res_8077	0	39	50	48	25	48	45	38
NCA 02_Res_4781	15	74	66	35	0	43	47	0
NCA 02_Res_4260	16	66	47	32	0	45	46	0
NCA 01_Res_2415	0	62	49	37	0	46	41	0
NCA 07_Res_8078	0	56	52	49	0	42	50	57
NCA 06_Res_4389	16	61	47	32	0	48	42	56
NCA 09_Res_8079	0	0	45	42	27	43	37	0
NCA 10_Res_8080	0	0	70	65	36	64	54	0
NCA 06_Res_4482	11	83	55	42	0	67	47	54
NCA 12_Com_8081	0	0	26	22	0	22	22	0
NCA 08_Res_8082	0	35	69	69	39	66	68	35
NCA 10_Res_8083	0	0	49	46	23	46	42	0
NCA 05_Res_1306	26	60	47	33	0	45	42	48
NCA 01_Res_3564	0	67	54	30	0	50	34	0
NCA 13_Res_8084	0	0	31	11	0	0	0	0
NCA 01_Com_4830	0	58	45	27	0	42	27	0
NCA 06_Com_1432	11	57	40	30	0	44	33	48
NCA 11_Res_8085	0	0	45	37	0	39	39	0
NCA 09_Res_8086	0	0	57	52	31	43	31	0
NCA 10_Res_8087	0	0	54	55	17	51	54	0
NCA 05_Res_3260	15	85	71	39	0	55	46	55
NCA 01_Res_3864	0	63	50	33	0	46	37	0
NCA 01_Res_3929	0	55	42	29	0	39	33	0
NCA 03_Res_1489	22	67	52	34	0	44	38	34
NCA 01_Res_2345	0	54	43	31	0	45	23	0
NCA 12_Com_8088	0	0	38	20	0	16	17	0
NCA 07_Res_8089	0	55	51	52	22	40	43	50
NCA 05_Res_4775	18	72	60	36	0	56	44	50
NCA 08_Res_8090	0	38	55	54	28	53	50	37
NCA 03_Res_1957	14	56	44	26	0	37	34	0
NCA 07_Res_8091	0	42	46	46	32	44	30	39
NCA 10_Res_8092	0	0	59	58	22	63	64	0
NCA 01_Res_3927	0	78	64	23	0	58	29	0
NCA 02_Res_2341	0	78	70	50	0	60	56	0
NCA 01_Res_2350	0	60	47	31	0	44	33	0
NCA 11_Res_8093	0	0	49	40	0	42	42	0
NCA 02_Res_1798	8	73	60	56	0	49	60	0
NCA 07_Res_8094	0	43	45	43	23	43	32	39
NCA 10_Com_8095	0	0	59	55	12	61	57	0
NCA 08_Res_8096	0	36	55	54	32	53	53	35
NCA 08_Com_8097	0	25	42	41	32	37	29	28
NCA 01_Res_2325	0	60	48	31	0	44	35	0
NCA 07_Res_8098	0	59	51	50	29	42	43	54

NCA 08_Res_8099	0	44	49	45	25	44	36	40
NCA 01_Res_2132	0	66	54	40	0	46	40	0
NCA 02_Res_2221	0	71	61	56	0	41	47	0
NCA 12_Com_8100	0	0	24	13	0	13	15	0
NCA 09_Res_8101	0	0	47	48	24	39	34	0
NCA 10_Res_8102	0	0	47	43	21	44	44	0
NCA 03_Com_1496	22	81	44	31	0	57	34	0
NCA 07_Res_8103	0	40	50	46	32	47	41	38
NCA 04_Res_3186	27	67	41	24	0	34	29	38
NCA 11_Res_8104	0	0	72	44	0	51	50	0
NCA 01_Com_2470	0	54	40	33	0	41	24	0
NCA 06_Res_4528	17	62	50	44	0	46	41	49
NCA 10_Res_8105	0	0	40	38	31	45	38	0
NCA 10_Res_8106	0	0	57	55	30	53	53	0
NCA 12_Com_8107	0	0	40	26	0	28	28	0
NCA 07_Res_8108	0	42	70	68	35	64	44	38
NCA 07_Res_8109	0	46	53	52	35	50	39	39
NCA 04_Res_4296	22	55	43	29	0	36	34	33
NCA 08_Res_8110	0	0	58	55	56	55	36	0
NCA 01_Res_3577	0	87	73	31	0	64	30	0
NCA 02_Res_5062	0	62	57	38	0	46	61	0
NCA 01_Com_1207	0	44	41	24	0	50	19	0
NCA 08_Res_8111	0	36	49	48	24	51	44	36
NCA 01_Res_4813	0	93	82	48	0	70	54	0
NCA 07_Res_8112	0	42	49	46	33	46	36	38
NCA 02_Res_2948	0	65	56	33	0	49	41	0
NCA 02_Res_4498	15	66	50	33	0	49	44	0
NCA 13_Res_8113	0	0	22	1	0	0	0	0
NCA 07_Res_8114	0	40	52	51	35	50	37	37
NCA 04_Res_3314	58	92	86	45	0	35	46	34
NCA 03_Res_4867	17	80	63	24	0	54	34	0
NCA 10_Com_8115	0	0	47	42	19	45	46	0
NCA 13_Res_8116	0	0	34	19	0	22	22	0
NCA 01_Res_4544	0	72	60	28	0	55	35	0
NCA 03_Res_1438	25	62	48	30	0	42	35	0
NCA 02_Res_2921	0	73	62	34	0	39	36	0
NCA 11_Res_8117	0	0	48	32	0	32	33	0
NCA 12_Com_8118	0	0	39	24	0	24	24	0
NCA 07_Com_8119	0	36	37	35	14	38	26	36
NCA 01_Res_2427	0	53	39	32	0	41	29	0
NCA 08_Res_8120	0	39	55	53	32	58	53	38
NCA 10_Com_8121	0	0	52	51	31	61	53	0
NCA 01_Res_3890	0	54	41	22	0	38	27	0
NCA 08_Res_8122	0	37	45	46	30	44	35	36
NCA 01_Res_2256	0	63	51	36	0	46	42	0
NCA 09_Res_8123	0	0	48	47	27	45	40	0
NCA 04_Res_1769	48	67	55	50	0	40	54	34
NCA 09_Res_8124	0	0	40	38	28	36	32	0
NCA 07_Res_8125	0	51	58	58	24	38	42	50
NCA 13_Res_8126	0	0	30	12	0	16	0	0
NCA 12_Com_8127	0	0	38	12	0	14	14	0
NCA 03_Res_3147	23	59	45	33	0	41	38	37
NCA 06_Res_4586	19	85	68	54	0	70	56	77

NCA 07_Res_8128	0	48	44	42	26	42	34	41
NCA 08_Res_8129	0	35	69	63	35	62	66	35
NCA 02_Res_3249	21	77	47	34	0	63	40	0
NCA 06_Res_5174	4	55	47	44	0	40	40	55
NCA 09_Res_8130	0	0	44	43	32	42	37	0
NCA 11_Res_8131	0	0	54	29	0	31	30	0
NCA 10_Res_8132	0	0	53	50	19	49	52	0
NCA 03_Res_3700	13	62	47	31	0	43	37	0
NCA 13_Res_8133	0	0	29	8	0	18	0	0
NCA 10_Com_8134	0	0	54	51	31	63	56	0
NCA 11_Res_8135	0	0	54	43	0	40	39	0
NCA 01_Res_4268	0	66	55	38	0	51	43	0
NCA 06_Med_4400	7	77	60	50	0	62	50	65
NCA 07_Res_8137	0	47	44	42	20	41	35	41
NCA 04_Res_1341	33	68	61	52	0	44	51	34
NCA 01_Res_2806	0	51	44	30	0	44	23	0
NCA 01_Res_2617	0	68	56	40	0	51	45	0
NCA 02_Res_2896	0	82	76	63	0	67	67	0
NCA 06_Caf_6050	9	55	44	39	0	42	36	46
NCA 08_Res_8138	0	45	46	42	22	41	38	40
NCA 13_Res_8139	0	0	33	0	0	0	0	0
NCA 03_Res_1474	21	65	51	27	0	44	32	0
NCA 03_Res_3305	30	68	56	39	0	49	41	32
NCA 03_Res_1470	14	58	42	24	0	39	32	0
NCA 11_Res_8140	0	0	50	39	0	41	41	0
NCA 02_Com_1585	16	64	52	39	0	50	48	0
NCA 03_Res_1705	18	67	46	29	0	45	35	0
NCA 13_Res_8141	0	0	22	13	0	15	17	0
NCA 08_MED_8142	0	36	66	61	47	61	54	37
NCA 09_Res_8143	0	0	49	50	27	44	37	0
NCA 07_Res_8144	0	33	71	65	27	64	44	32
NCA 10_Com_8145	0	0	54	52	31	65	57	0
NCA 08_Res_8146	0	0	59	60	64	46	38	0
NCA 09_Res_8147	0	0	69	67	34	58	37	0
NCA 02_Res_1363	21	59	45	32	0	37	37	0
NCA 08_Com_8148	0	34	47	46	32	49	42	36
NCA 06_Res_1066	19	84	69	54	0	69	60	75
NCA 11_Res_8149	0	0	51	41	0	42	43	0
NCA 11_Res_8150	0	0	41	31	0	32	32	0
NCA 12_Com_8151	0	0	29	10	0	11	12	0
NCA 03_Res_3349	29	78	66	36	0	58	41	33
NCA 01_Res_2697	0	69	53	50	0	51	26	0
NCA 02_Res_2559	0	65	55	37	0	40	49	0
NCA 09_Res_8152	0	0	46	46	31	43	38	0
NCA 12_Com_8153	0	0	27	18	0	18	21	0
NCA 13_Res_8154	0	0	28	11	0	0	0	0
NCA 01_Res_2847	0	62	51	33	0	47	35	0
NCA 08_Res_8155	0	47	52	49	19	47	34	41
NCA 11_Res_8156	0	0	70	49	0	51	51	0
NCA 02_Res_2128	0	64	50	33	0	45	40	0
NCA 08_Res_8157	0	0	45	45	48	32	27	0
NCA 01_Res_2381	0	65	50	41	0	50	24	0
NCA 08_Res_8158	0	0	70	62	64	48	38	0

NCA 11_Res_8159	0	0	45	34	0	36	35	0
NCA 02_Res_2164	6	59	46	35	0	40	42	0
NCA 10_Res_8160	0	0	69	68	22	64	63	0
NCA 03_Res_4289	28	62	50	33	0	42	38	37
NCA 03_Res_1929	24	62	49	37	0	41	37	37
NCA 03_Res_3716	24	67	54	36	0	46	41	36
NCA 02_Res_2160	0	84	77	48	0	49	42	0
NCA 06_Med_4625	8	57	44	40	0	41	36	46
NCA 07_Com_8161	0	51	49	47	14	37	38	45
NCA 09_Res_8162	0	0	69	66	57	40	35	0
NCA 10_Com_8163	0	0	52	50	31	57	55	0
NCA 03_Res_3238	20	78	58	27	0	58	32	0
NCA 01_Res_2568	0	57	39	33	0	42	25	0
NCA 09_Res_8164	0	0	70	66	55	45	38	0
NCA 10_Com_8165	0	0	47	46	17	45	48	0
NCA 07_Res_8166	0	32	50	49	31	48	32	31
NCA 01_Res_3570	0	68	49	41	0	51	32	0
NCA 06_Res_3363	7	69	56	47	0	49	42	48
NCA 13_Res_8167	0	0	31	12	0	0	0	0
NCA 01_Res_3627	0	55	40	35	0	41	26	0
NCA 01_Res_3871	0	84	74	35	0	67	40	0
NCA 13_Com_8168	0	0	31	20	0	21	22	0
NCA 04_Res_3150	28	72	40	25	0	32	29	37
NCA 13_Res_8170	0	0	30	6	0	14	0	0
NCA 08_Res_8171	0	38	47	45	22	45	51	38
NCA 10_Com_8172	0	0	57	57	31	67	56	0
NCA 02_Res_1334	0	83	70	35	0	40	40	0
NCA 01_Res_3631	0	64	50	39	0	49	33	0
NCA 10_Com_8173	0	0	64	57	13	60	60	0
NCA 02_Res_4648	19	64	48	28	0	47	36	0
NCA 03_Res_4241	13	53	41	25	0	36	34	0
NCA 06_Res_1307	0	59	50	47	0	38	41	52
NCA 07_Res_8174	0	55	48	48	0	39	43	53
NCA 04_Res_3409	33	69	61	52	0	45	54	35
NCA 06_Res_4318	20	59	47	42	0	43	36	48
NCA 12_Com_8175	0	0	26	17	0	17	20	0
NCA 07_Res_8176	0	47	50	49	19	34	35	45
NCA 08_Res_8177	0	42	51	49	24	48	53	39
NCA 11_Res_8178	0	0	73	39	0	38	39	0
NCA 11_Res_8179	0	0	68	30	0	31	32	0
NCA 06_Com_3286	11	53	37	27	0	39	31	43
NCA 03_Res_2547	18	61	44	27	0	43	33	33
NCA 08_Res_8180	0	39	69	62	39	62	56	37
NCA 02_Res_1991	11	64	46	33	0	46	39	0
NCA 05_Res_1211	26	84	75	35	0	49	44	50
NCA 01_Res_3619	0	69	51	39	0	53	33	0
NCA 02_Res_3383	16	83	71	55	0	49	69	0
NCA 07_Res_8181	0	57	46	44	29	41	39	50
NCA 01_Res_3966	0	82	73	34	0	64	40	0
NCA 01_Res_4856	0	91	81	42	0	69	47	0
NCA 01_Res_2639	0	73	60	31	0	55	36	0
NCA 04_Res_1842	44	60	48	37	0	35	40	39
NCA 07_Res_8182	0	40	46	44	29	44	35	38

NCA 01_Res_2213	0	67	50	47	0	49	33	0
NCA 11_Res_8183	0	0	50	42	0	43	44	0
NCA 11_Res_8184	0	0	72	39	0	44	43	0
NCA 06_Res_5128	3	65	57	54	0	49	55	65
NCA 10_Com_8185	0	0	58	56	31	68	57	0
NCA 11_Res_8186	0	0	70	52	0	42	41	0
NCA 08_Res_8187	0	0	52	48	53	35	29	0
NCA 03_Res_1555	29	67	54	40	0	47	41	33
NCA 11_Res_8188	0	0	50	42	0	43	43	0
NCA 03_Res_1416	19	77	62	27	0	51	32	0
NCA 12_Com_8189	0	0	39	11	0	12	12	0
NCA 01_Res_3909	0	75	59	51	0	58	26	0
NCA 06_Com_4551	10	54	37	29	0	38	29	43
NCA 13_Res_8190	0	0	37	15	0	23	0	0
NCA 08_Res_8191	0	39	58	56	30	61	50	38
NCA 12_Com_8192	0	0	33	13	0	14	15	0
NCA 04_Res_1980	22	58	48	36	0	40	40	38
NCA 02_Res_1202	0	60	46	30	0	42	36	0
NCA 03_Res_1345	23	55	44	35	0	37	41	38
NCA 02_Res_4802	18	64	46	34	0	44	42	0
NCA 03_Res_1495	23	79	64	30	0	54	35	32
NCA 08_Res_8193	0	42	57	54	35	53	60	39
NCA 01_Res_5059	0	55	40	25	0	39	26	0
NCA 06_Res_5151	0	76	66	61	0	55	63	74
NCA 09_Res_8194	0	0	70	64	38	58	44	0
NCA 11_Res_8195	0	0	70	32	0	28	27	0
NCA 05_Res_4590	10	69	55	38	0	51	45	54
NCA 13_Res_8196	0	0	36	15	0	24	0	0
NCA 03_Res_3323	24	65	49	32	0	44	37	31
NCA 11_Res_8197	0	0	52	32	0	35	35	0
NCA 01_Res_2270	0	63	51	35	0	46	41	0
NCA 03_Res_3262	20	80	60	34	0	60	36	0
NCA 06_Res_5137	7	55	48	47	0	37	38	51
NCA 10_Res_8198	0	0	44	40	0	40	40	0
NCA 03_Res_5092	23	79	74	33	0	56	37	0
NCA 04_Res_1673	41	79	43	23	0	27	27	32
NCA 03_Res_3316	25	66	54	37	0	46	41	36
NCA 09_Res_8199	0	0	48	46	25	45	39	0
NCA 10_Res_8200	0	0	42	39	0	40	41	0
NCA 09_Res_8201	0	0	42	40	33	36	32	0
NCA 02_Res_1855	11	62	47	34	0	42	42	0
NCA 08_Res_8202	0	35	56	53	35	51	55	35
NCA 03_Res_1799	15	62	47	25	0	43	31	26
NCA 12_Com_8203	0	0	35	10	0	12	12	0
NCA 12_Com_8204	0	0	39	16	0	15	17	0
NCA 08_Res_8205	0	37	52	52	34	50	42	36
NCA 02_Res_1847	12	62	47	35	0	40	41	0
NCA 03_Res_3355	16	68	55	24	0	46	30	0
NCA 01_Res_2592	0	61	50	32	0	45	34	0
NCA 01_Res_2663	0	46	35	25	0	44	23	0
NCA 13_Res_8207	0	0	34	14	0	0	0	0
NCA 04_Res_4011	31	56	44	30	0	37	34	40
NCA 01_Res_4883	0	82	60	33	0	63	36	0

NCA 02_Res_3031	19	57	44	29	0	42	36	0
NCA 08_Res_8208	0	0	42	40	37	43	33	0
NCA 01_Res_2698	0	59	49	38	0	43	45	0
NCA 03_Res_2923	30	63	50	38	0	44	42	32
NCA 02_Com_1703	6	67	47	27	0	49	32	0
NCA 07_Res_8209	0	51	50	48	13	32	37	48
NCA 08_Com_8210	0	32	43	43	43	38	31	36
NCA 11_Res_8211	0	0	51	30	0	30	28	0
NCA 02_Res_3247	21	80	71	48	0	45	66	0
NCA 09_POW_8212	0	0	69	69	65	47	38	0
NCA 10_Res_8213	0	0	70	67	0	65	69	0
NCA 02_Res_2946	0	59	50	38	0	46	49	0
NCA 08_CCC_8214	0	42	50	47	29	47	52	39
NCA 07_Res_8215	0	46	53	54	18	36	33	43
NCA 10_Res_8216	0	0	43	38	0	40	40	0
NCA 02_Res_2813	0	79	72	62	0	63	67	0
NCA 02_Res_4457	16	67	52	40	0	47	47	0
NCA 03_Res_3771	25	78	70	36	0	59	39	0
NCA 04_Res_4983	34	66	58	51	0	43	50	39
NCA 06_Res_1682	9	77	66	60	0	53	45	49
NCA 09_Res_8217	0	0	44	43	35	42	38	0
NCA 06_Res_4785	19	84	67	56	0	70	54	76
NCA 01_Res_4299	0	55	40	33	0	41	25	0
NCA 07_Com_8218	0	37	37	35	14	35	27	38
NCA 12_Com_8220	0	0	24	14	0	14	16	0
NCA 08_Res_8221	0	38	47	45	30	46	48	38
NCA 02_Res_1740	20	62	47	38	0	39	41	0
NCA 05_Res_1405	16	64	51	34	0	47	44	50
NCA 10_Res_8222	0	0	68	64	33	65	68	0
NCA 11_Res_8223	0	0	48	43	0	44	46	0

Rec_ID	B_01	B_02	B_03	B_04	B_05	B_06	B_07	B_08	B_09	B_10
NCA 11_COM_5073	34	19	34	27	36	26	42	28	20	27
NCA 11_COM_5091	36	26	38	32	40	28	43	33	26	28
NCA 11_COM_5429	39	31	42	37	43	35	45	35	32	29
NCA 11_COM_5463	34	29	36	35	41	32	44	34	30	28
NCA 11_COM_6689	36	31	40	37	42	34	44	35	32	29
NCA 11_COM_7174	37	30	40	35	42	34	44	35	31	29
NCA 11_COM_7279	39	30	39	37	42	34	44	35	32	29
NCA 11_COM_7900	36	31	38	37	42	34	44	35	32	29
NCA 11_RES_5037	27	8	29	14	22	10	30	17	9	14
NCA 11_RES_5045	36	14	37	20	30	16	37	25	16	21
NCA 11_RES_5054	34	21	34	30	38	26	42	29	22	27
NCA 11_RES_5072	27	14	29	20	27	18	32	20	15	15
NCA 11_RES_5084	23	8	23	14	21	11	28	16	9	11
NCA 11_RES_5092	30	24	31	30	35	27	42	30	23	24
NCA 11_RES_5108	33	20	34	28	39	27	43	29	20	28
NCA 11_RES_5110	40	33	42	39	46	37	48	38	34	32
NCA 11_RES_5113	19	10	20	16	22	13	29	16	10	13
NCA 11_RES_5118	34	30	39	36	43	34	45	35	32	28
NCA 11_RES_5122	28	17	29	23	29	21	35	23	18	18
NCA 11_RES_5123	33	26	35	31	36	30	42	31	25	21
NCA 11_RES_5125	48	33	50	39	46	41	50	40	35	28
NCA 11_RES_5127	21	12	23	18	24	16	31	18	12	15
NCA 11_RES_5136	37	20	38	23	38	22	40	26	19	30
NCA 11_RES_5142	39	32	42	37	44	36	47	36	32	32
NCA 11_RES_5164	26	10	26	16	22	13	29	17	10	12
NCA 11_RES_5165	33	18	33	23	31	22	37	24	18	22
NCA 11_RES_5169	39	25	41	30	42	33	45	33	25	30
NCA 11_RES_5172	32	15	34	22	31	18	37	25	18	23
NCA 11_RES_5176	53	21	53	28	34	27	40	28	23	22
NCA 11_RES_5177	30	16	32	20	34	20	38	24	15	26
NCA 11_RES_5183	35	18	35	25	31	23	38	26	20	21
NCA 11_RES_5191	28	11	27	17	24	14	32	20	13	15
NCA 11_RES_5197	22	11	22	17	23	14	29	17	12	12
NCA 11_RES_5199	28	10	30	16	25	12	31	18	10	15
NCA 11_RES_5201	26	12	26	16	27	13	32	18	11	21
NCA 11_RES_5205	37	15	35	21	30	17	37	26	18	22
NCA 11_RES_5208	27	15	35	22	36	17	39	26	17	26
NCA 11_RES_5212	46	26	47	33	39	31	46	33	26	29
NCA 11_RES_5215	34	14	34	20	26	18	32	20	15	15
NCA 11_RES_5220	33	17	36	23	34	20	38	25	18	23
NCA 11_RES_5224	23	12	24	18	25	16	30	19	13	14
NCA 11_RES_5236	23	12	24	18	24	16	30	18	13	13
NCA 11_RES_5237	37	33	42	42	49	38	51	41	35	34
NCA 11_RES_5244	30	10	29	15	23	12	31	19	11	14
NCA 11_RES_5246	26	15	27	21	27	18	33	20	15	18
NCA 11_RES_5266	31	12	29	18	25	15	31	20	13	14
NCA 11_RES_5270	32	16	32	22	30	19	37	25	18	22
NCA 11_RES_5278	27	10	29	17	26	14	31	18	11	15
NCA 11_RES_5289	37	14	35	20	26	18	32	21	15	16
NCA 11_RES_5293	16	8	17	14	21	12	26	14	9	10
NCA 11_RES_5295	15	7	16	13	19	10	25	13	7	8
NCA 11_RES_5303	23	10	26	16	23	12	31	19	11	14
NCA 11_RES_5304	29	10	31	16	28	12	32	19	11	17
NCA 11_RES_5307	14	6	15	12	18	9	25	13	6	7
NCA 11_RES_5310	28	8	30	15	27	11	30	17	9	16
NCA 11_RES_5311	28	8	30	14	23	10	30	18	9	15

NCA 11_RES_5327	31	11	32	15	31	11	31	18	9	22
NCA 11_RES_5331	19	9	20	15	22	13	28	16	10	10
NCA 11_RES_5341	35	15	38	22	36	17	39	26	17	26
NCA 11_RES_5349	34	15	33	21	30	18	37	25	18	21
NCA 11_RES_5353	23	13	24	19	25	17	30	19	14	13
NCA 11_RES_5355	26	16	27	22	28	20	33	21	17	16
NCA 11_RES_5356	36	27	36	33	41	28	44	34	27	29
NCA 11_RES_5363	31	17	32	21	32	20	37	23	16	24
NCA 11_RES_5366	26	11	27	15	27	11	30	17	9	21
NCA 11_RES_5369	19	10	20	17	22	14	30	17	11	12
NCA 11_RES_5376	35	31	37	36	42	33	45	36	31	30
NCA 11_RES_5385	32	18	33	24	30	21	38	26	19	21
NCA 11_RES_5386	27	21	28	27	31	24	38	26	20	20
NCA 11_RES_5389	25	13	30	19	30	14	37	25	18	22
NCA 11_RES_5399	27	9	30	15	23	11	30	18	10	15
NCA 11_RES_5417	31	13	30	17	30	14	34	25	17	15
NCA 11_RES_5424	30	15	31	18	33	16	36	22	14	26
NCA 11_RES_5432	21	11	22	18	25	16	33	19	11	16
NCA 11_RES_5448	30	14	30	20	26	18	32	20	14	15
NCA 11_RES_5454	31	8	29	14	21	10	29	16	9	11
NCA 11_RES_5456	23	10	23	16	22	13	29	17	11	12
NCA 11_RES_5462	30	16	32	20	34	20	38	24	15	25
NCA 11_RES_5469	28	12	31	16	30	12	31	18	10	24
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NCA 11_RES_5473	18	10	19	16	22	13	28	16	10	12
NCA 11_RES_5482	28	9	30	15	23	11	30	18	10	15
NCA 11_RES_5485	26	10	30	16	24	12	31	20	12	16
NCA 11_RES_5505	40	32	43	38	45	36	48	37	33	32
NCA 11_RES_5506	35	15	37	21	33	16	38	25	17	24
NCA 11_RES_5510	41	28	42	36	45	36	46	35	28	33
NCA 11_RES_5519	24	7	25	13	20	10	28	16	8	11
NCA 11_RES_5523	22	12	23	18	24	15	30	18	12	13
NCA 11_RES_5531	25	8	24	14	21	11	28	16	9	11
NCA 11_RES_5532	30	11	31	17	23	14	31	19	12	14
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NCA 11_RES_5537	33	24	34	28	42	29	45	32	24	29
NCA 11_RES_5544	29	18	30	26	33	22	39	26	18	23
NCA 11_RES_5570	40	32	42	38	45	36	47	38	34	30
NCA 11_RES_5584	38	20	39	27	33	26	38	26	22	22
NCA 11_RES_5585	35	31	37	36	44	34	46	37	32	29
NCA 11_RES_5595	36	31	39	37	44	35	46	37	33	30
NCA 11_RES_5628	28	8	28	14	24	10	30	17	8	14
NCA 11_RES_5629	32	17	33	24	37	24	40	26	18	27
NCA 11_RES_5631	30	10	31	17	29	13	32	19	11	20
NCA 11_RES_5639	32	15	32	21	27	19	33	21	16	16
NCA 11_RES_5640	25	8	27	14	21	11	29	16	9	12
NCA 11_RES_5644	34	26	36	32	37	29	43	32	26	23
NCA 11_RES_5647	37	29	39	35	43	31	46	35	30	31
NCA 11_RES_5648	34	22	35	31	40	27	43	31	23	27
NCA 11_RES_5654	25	11	25	16	24	13	32	20	13	14
NCA 11_RES_5656	32	12	33	19	26	16	33	20	14	17
NCA 11_RES_5659	24	11	26	16	27	12	32	18	10	21
NCA 11_RES_5661	24	7	25	13	20	10	28	16	8	12
NCA 11_RES_5665	15	7	16	13	19	11	26	13	8	9
NCA 11_RES_5668	24	11	25	17	24	14	30	17	11	17
NCA 11_RES_5682	35	31	37	36	43	35	46	36	32	30

NCA 11_RES_5685	36	19	38	25	32	23	39	26	20	22
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NCA 11_RES_5727	30	18	34	23	36	22	39	25	17	28
NCA 11_RES_5731	28	11	28	17	25	14	32	22	16	15
NCA 11_RES_5762	47	37	49	42	49	41	51	42	38	34
NCA 11_RES_5766	26	13	32	19	30	14	37	25	18	22
NCA 11_RES_5767	34	16	37	23	34	19	38	25	17	24
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NCA 11_RES_5783	38	28	39	33	38	30	44	33	28	23
NCA 11_RES_5786	13	6	15	12	18	10	24	12	7	7
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NCA 11_RES_5796	29	8	27	14	21	11	28	17	9	12
NCA 11_RES_5799	35	14	36	20	31	16	37	26	18	20
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NCA 11_RES_5804	18	9	19	15	21	12	27	15	9	10
NCA 11_RES_5805	32	14	35	20	31	14	37	25	18	23
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NCA 11_RES_5823	33	18	33	24	31	22	38	26	19	21
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NCA 11_RES_5829	36	21	36	26	35	25	40	27	21	26
NCA 11_RES_5861	31	9	30	15	22	12	29	17	10	14
NCA 11_RES_5862	30	9	30	15	23	12	30	18	11	14
NCA 11_RES_5871	33	20	33	28	34	25	41	27	20	23
NCA 11_RES_5872	25	8	24	14	20	10	28	16	9	11
NCA 11_RES_5875	31	25	32	30	35	27	41	30	24	20
NCA 11_RES_5881	30	10	30	15	24	11	31	19	11	14
NCA 11_RES_5882	26	8	25	14	21	11	29	17	9	12
NCA 11_RES_5884	23	7	23	13	20	10	28	15	8	11
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NCA 11_RES_5889	52	21	50	27	33	26	40	27	22	22
NCA 11_RES_5890	39	31	39	37	44	35	47	36	32	29
NCA 11_RES_5911	26	13	27	18	27	15	32	19	12	20
NCA 11_RES_5912	30	10	29	15	23	12	30	19	11	14
NCA 11_RES_5913	21	9	23	15	21	12	28	17	10	12
NCA 11_RES_5917	19	10	20	16	23	14	30	17	10	14
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NCA 11_RES_5954	18	9	20	15	21	12	29	16	9	11
NCA 11_RES_5955	24	14	26	20	31	14	37	25	18	23
NCA 11_RES_5956	27	16	29	23	29	21	35	23	17	19
NCA 11_RES_5960	45	35	47	41	48	40	49	40	37	34
NCA 11_RES_5975	33	11	31	17	24	14	31	20	12	15
NCA 11_RES_5976	28	10	28	16	23	12	30	19	11	14
NCA 11_RES_5977	29	10	28	16	23	12	30	19	11	14
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NCA 11_RES_5996	35	19	36	25	31	23	37	24	20	21
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NCA 11_RES_6004	39	31	40	37	43	35	47	36	32	29
NCA 11_RES_6006	47	21	46	27	33	26	40	27	22	23
NCA 11_RES_6007	37	32	39	37	44	35	46	37	33	28
NCA 11_RES_6008	24	18	26	24	29	21	36	24	17	17
NCA 11_RES_6019	31	16	34	22	26	19	34	22	15	15
NCA 11_RES_6020	35	31	37	36	43	34	46	36	32	26

NCA 11_RES_6021	19	9	20	15	22	13	28	16	10	11
NCA 11_RES_6026	21	11	22	17	23	15	29	18	12	12
NCA 11_RES_6040	36	19	36	25	31	24	35	24	20	18
NCA 11_RES_6047	32	26	33	31	40	29	45	34	27	24
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NCA 11_RES_6049	48	37	50	43	45	43	49	40	38	29
NCA 11_RES_6050	35	22	35	28	32	26	39	27	21	20
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NCA 11_RES_6059	34	30	36	36	38	33	44	34	30	24
NCA 11_RES_6073	31	8	32	15	21	11	28	16	9	12
NCA 11_RES_6077	14	7	15	13	19	10	24	13	7	7
NCA 11_RES_6082	23	10	25	16	24	14	30	17	11	14
NCA 11_RES_6083	35	15	37	21	34	17	38	26	17	24
NCA 11_RES_6085	13	6	14	12	18	9	24	12	6	6
NCA 11_RES_6096	41	33	42	39	47	37	49	39	35	33
NCA 11_RES_6110	52	40	55	45	55	44	55	46	43	37
NCA 11_RES_6122	20	7	20	13	19	10	26	14	7	9
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NCA 11_RES_6139	28	12	28	18	28	14	31	19	12	22
NCA 11_RES_6151	47	36	49	42	49	41	50	41	38	35
NCA 11_RES_6152	25	11	24	17	24	15	29	18	12	12
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NCA 11_RES_6166	31	17	31	26	35	23	40	26	17	25
NCA 11_RES_6191	17	7	18	13	19	11	26	14	8	9
NCA 11_RES_6193	33	15	32	21	28	20	32	21	17	15
NCA 11_RES_6209	36	20	36	28	32	25	40	27	20	23
NCA 11_RES_6210	25	9	30	16	28	12	31	18	10	19
NCA 11_RES_6211	27	9	28	15	25	12	30	17	9	16
NCA 11_RES_6217	28	11	28	17	23	14	30	18	12	13
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NCA 11_RES_6227	55	40	58	46	55	45	56	47	44	38
NCA 11_RES_6228	22	12	23	18	25	16	32	19	12	16
NCA 11_RES_6257	37	32	39	38	45	36	46	37	33	31
NCA 11_RES_6264	32	14	31	19	29	14	36	23	17	20
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NCA 11_RES_6270	47	37	49	42	49	42	51	41	38	35
NCA 11_RES_6285	31	10	30	15	25	11	32	23	15	15
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NCA 11_RES_6287	15	7	17	13	19	10	25	13	8	8
NCA 11_RES_6290	30	9	31	15	25	12	32	19	11	18
NCA 11_RES_6291	30	12	31	15	30	12	34	25	17	18
NCA 11_RES_6302	18	7	18	13	19	10	26	14	8	9
NCA 11_RES_6303	27	8	26	14	21	11	29	17	9	12
NCA 11_RES_6307	19	9	20	16	22	13	28	16	10	11
NCA 11_RES_6310	32	26	33	32	36	28	43	32	26	21
NCA 11_RES_6316	42	35	45	40	46	38	49	40	36	26
NCA 11_RES_6317	31	21	34	27	32	24	39	27	21	20
NCA 11_RES_6337	56	28	57	32	46	33	49	35	27	36
NCA 11_RES_6339	30	15	31	21	30	17	37	26	18	22
NCA 11_RES_6340	28	12	29	18	24	16	31	18	13	14
NCA 11_RES_6346	23	9	23	15	22	12	29	17	10	12
NCA 11_RES_6347	26	12	25	17	30	12	36	25	17	19
NCA 11_RES_6351	29	10	31	16	24	11	32	20	12	16
NCA 11_RES_6354	18	11	21	17	23	14	29	18	12	12
NCA 11_RES_6355	18	10	20	16	22	14	27	16	11	10
NCA 11_RES_6362	34	16	33	21	28	19	34	25	18	18
NCA 11_RES_6398	26	16	27	22	28	20	33	22	17	15

NCA 11_RES_6403	25	17	26	23	28	20	34	22	16	16
NCA 11_RES_6404	27	18	31	24	28	21	36	23	17	17
NCA 11_RES_6407	30	10	30	15	24	12	31	19	11	14
NCA 11_RES_6409	23	7	23	13	19	11	26	14	8	10
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NCA 11_RES_6413	26	9	27	15	26	12	30	17	9	19
NCA 11_RES_6430	34	16	34	22	30	19	37	25	18	21
NCA 11_RES_6436	13	6	14	11	17	9	23	12	6	6
NCA 11_RES_6442	31	23	33	29	36	24	42	30	22	25
NCA 11_RES_6445	33	23	36	32	41	30	46	32	23	31
NCA 11_RES_6481	24	11	24	17	25	14	32	20	13	15
NCA 11_RES_6486	22	12	23	17	24	15	29	18	12	12
NCA 11_RES_6490	48	27	56	34	38	32	48	33	26	29
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NCA 11_RES_6564	19	7	18	13	19	10	26	14	7	9
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NCA 11_RES_6578	29	14	29	20	31	15	37	26	18	20
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NCA 11_RES_6588	36	13	37	19	27	16	34	21	13	21
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NCA 11_RES_6644	38	33	42	39	47	37	49	38	34	30
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NCA 11_RES_6670	45	36	47	41	48	40	50	41	37	34
NCA 11_RES_6671	45	36	47	41	47	40	49	40	37	32
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NCA 11_RES_6713	38	31	39	37	43	34	47	37	32	25
NCA 11_RES_6714	34	23	34	29	32	27	39	27	21	20
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NCA 11_RES_6792	30	10	29	16	25	13	31	20	13	14
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NCA 11_RES_6799	15	8	17	14	20	12	26	14	9	9
NCA 11_RES_6832	33	17	35	24	33	21	38	24	17	23
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NCA 11_RES_6838	37	26	37	34	41	31	46	33	26	28
NCA 11_RES_6839	31	10	29	16	23	12	31	19	11	15
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NCA 11_RES_6887	35	18	36	24	32	22	38	26	19	22
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NCA 11_RES_6892	46	36	48	42	49	41	50	41	38	34
NCA 11_RES_6896	31	10	30	15	28	11	33	24	17	16
NCA 11_RES_6905	22	9	27	16	25	13	32	18	9	21
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NCA 11_RES_6949	26	20	27	25	41	22	46	34	26	22
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NCA 11_RES_6962	33	11	32	17	24	14	31	19	12	14
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NCA 11_RES_6968	36	12	36	18	24	15	32	20	13	15
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NCA 11_RES_6989	39	32	40	38	45	35	47	37	33	33
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NCA 11_RES_6997	34	19	34	25	31	24	36	24	20	20
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NCA 11_RES_7050	38	31	41	37	44	35	46	36	32	30
NCA 11_RES_7061	38	33	39	38	45	36	47	38	34	29
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NCA 11_RES_7078	42	33	43	40	48	37	50	39	35	32
NCA 11_RES_7079	31	18	30	25	30	22	38	25	18	23
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NCA 11_RES_7081	35	23	37	31	40	28	44	31	23	29
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NCA 11_RES_7108	16	9	18	15	21	12	27	15	9	10
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NCA 11_RES_7145	22	9	22	15	22	13	29	17	10	12
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NCA 11_RES_7159	32	23	33	29	34	26	41	29	23	20
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NCA 11_RES_7288	38	24	40	28	42	30	45	32	24	30
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NCA 11_RES_7571	37	15	36	20	30	16	37	26	18	22
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NCA 11_RES_7743	23	13	25	19	26	17	31	19	14	14
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NCA 11_RES_7749	41	33	44	42	50	38	52	41	35	36
NCA 11_RES_7758	36	19	37	25	32	23	38	26	20	22
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NCA 11_RES_7779	28	12	27	18	25	16	31	20	14	14
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NCA 11_RES_7852	39	34	41	40	44	39	46	39	36	30
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NCA 11_RES_7866	25	16	25	22	27	19	35	22	15	17
NCA 11_RES_7876	25	16	26	22	28	20	33	22	17	16
NCA 11_RES_7880	38	23	38	30	34	27	43	29	22	25
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NCA 11_RES_7893	29	15	31	20	33	20	38	23	14	25
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NCA 11_RES_7926	30	20	30	27	33	23	40	27	20	23
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NCA 11_RES_7961	23	7	26	13	22	10	28	15	7	12
NCA 11_RES_7979	25	11	26	16	25	13	31	17	10	19
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NCA 11_RES_7999	25	15	26	21	27	19	32	20	16	15
NCA 11_RES_8000	31	11	30	17	25	14	32	23	16	15
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NCA 11_RES_8021	16	8	17	14	20	12	26	14	9	9
NCA 11_RES_8033	30	16	32	19	33	19	38	24	15	26
NCA 11_RES_8034	33	15	35	21	30	17	37	26	18	22
NCA 11_RES_8035	20	9	20	15	21	12	26	15	9	9
NCA 11_RES_8043	37	23	37	31	41	30	46	32	24	31
NCA 11_RES_8053	33	15	36	21	31	16	37	25	18	23
NCA 11_RES_8061	43	34	45	40	47	39	48	39	36	33
NCA 11_RES_8065	29	15	31	20	32	20	37	23	14	24
NCA 11_RES_8067	46	36	48	41	47	38	50	41	37	28

NCA 11_RES_8074	47	37	50	43	49	42	51	42	39	30
NCA 11_RES_8085	30	16	31	22	33	22	39	24	15	26
NCA 11_RES_8093	37	22	37	30	38	26	42	30	22	29
NCA 11_RES_8104	34	14	35	20	31	15	37	25	18	23
NCA 11_RES_8117	29	14	31	20	30	15	37	26	18	20
NCA 11_RES_8131	34	17	35	23	33	20	38	25	18	23
NCA 11_RES_8135	27	16	31	22	32	19	35	22	16	25
NCA 11_RES_8140	35	26	37	32	40	29	44	33	26	29
NCA 11_RES_8149	30	17	32	24	35	23	40	26	17	27
NCA 11_RES_8150	19	11	20	18	23	15	30	17	11	13
NCA 11_RES_8156	20	10	20	16	22	14	28	16	11	11
NCA 11_RES_8159	43	36	46	42	48	40	51	42	38	30
NCA 11_RES_8178	46	36	48	42	49	41	50	41	38	35
NCA 11_RES_8179	41	33	43	39	47	37	50	39	35	32
NCA 11_RES_8183	31	16	32	19	33	17	37	23	15	26
NCA 11_RES_8184	17	9	18	15	21	12	27	15	9	10
NCA 11_RES_8186	34	14	38	20	35	18	35	21	14	25
NCA 11_RES_8188	31	17	33	21	34	22	39	25	16	26
NCA 11_RES_8195	34	20	34	28	37	26	42	28	20	27
NCA 11_RES_8197	40	32	41	37	44	36	46	37	33	32
NCA 11_RES_8211	35	18	36	23	33	21	38	24	18	24
NCA 11_RES_8223	22	9	22	15	21	12	29	17	11	11
NCA 12_COM_5006	32	34	37	39	43	37	50	39	35	30
NCA 12_COM_5023	32	34	37	40	46	37	52	41	37	33
NCA 12_COM_5031	20	21	24	27	36	24	39	29	25	24
NCA 12_COM_5032	65	52	70	58	64	59	65	56	55	43
NCA 12_COM_5052	27	37	34	42	50	38	52	44	40	33
NCA 12_COM_5071	23	29	29	35	56	30	55	48	43	43
NCA 12_COM_5086	28	38	37	43	51	38	53	43	40	34
NCA 12_COM_5105	39	40	43	47	56	43	57	47	42	43
NCA 12_COM_5115	34	46	41	51	63	46	64	56	52	42
NCA 12_COM_5150	20	20	23	26	35	23	38	27	23	22
NCA 12_COM_5159	20	19	22	26	32	21	39	27	20	21
NCA 12_COM_5161	22	20	23	26	31	22	39	26	20	21
NCA 12_COM_5162	20	20	23	26	33	22	39	27	22	22
NCA 12_COM_5229	31	36	35	41	50	37	55	44	39	36
NCA 12_COM_5256	50	30	60	36	42	37	48	35	30	29
NCA 12_COM_5258	36	37	40	43	46	40	50	41	38	29
NCA 12_COM_5264	29	27	31	35	40	30	46	34	29	29
NCA 12_COM_5271	26	25	28	31	36	27	43	31	25	26
NCA 12_COM_5275	23	21	24	28	33	23	41	29	22	22
NCA 12_COM_5298	19	20	23	26	35	23	38	28	23	22
NCA 12_COM_5301	36	67	57	71	75	60	76	69	71	53
NCA 12_COM_5346	22	21	24	27	33	23	41	29	22	23
NCA 12_COM_5361	21	26	26	30	43	26	48	37	31	33
NCA 12_COM_5375	21	22	24	28	37	24	39	30	26	24
NCA 12_COM_5377	28	38	35	42	50	38	52	44	40	33
NCA 12_COM_5378	48	49	51	55	71	49	71	62	58	56
NCA 12_COM_5382	21	25	26	30	43	26	47	37	30	32
NCA 12_COM_5391	20	23	24	29	38	25	41	32	28	25
NCA 12_COM_5404	33	34	38	40	45	37	51	40	36	32
NCA 12_COM_5405	19	19	22	25	32	22	39	27	21	19
NCA 12_COM_5409	23	30	29	35	62	31	60	54	50	46
NCA 12_COM_5410	22	24	26	30	39	26	43	32	28	27
NCA 12_COM_5423	21	25	27	30	41	27	42	33	30	29
NCA 12_COM_5430	24	28	30	32	39	33	44	33	29	27
NCA 12_COM_5464	25	33	36	36	42	42	45	35	32	26

NCA 12_COM_5465	37	37	42	44	54	42	55	44	39	41
NCA 12_COM_5486	19	21	24	27	36	24	38	29	25	24
NCA 12_COM_5489	22	24	26	30	40	27	44	33	28	28
NCA 12_COM_5493	21	23	25	29	50	26	49	42	37	38
NCA 12_COM_5507	35	37	41	44	53	42	55	44	39	38
NCA 12_COM_5525	46	47	50	52	62	49	63	54	52	46
NCA 12_COM_5529	37	39	42	44	51	41	54	45	41	34
NCA 12_COM_5557	47	51	52	58	69	55	70	61	59	50
NCA 12_COM_5559	32	34	37	40	43	37	50	39	36	30
NCA 12_COM_5561	27	25	28	30	37	28	42	31	27	25
NCA 12_COM_5568	27	42	41	49	52	44	49	44	44	30
NCA 12_COM_5573	33	34	38	40	44	37	50	40	36	31
NCA 12_COM_5578	43	44	47	49	59	46	60	51	48	45
NCA 12_COM_5599	21	20	24	26	35	23	39	28	23	23
NCA 12_COM_5607	23	22	25	29	34	25	44	30	23	23
NCA 12_COM_5611	38	41	43	47	56	44	57	49	45	42
NCA 12_COM_5614	24	31	30	34	43	32	50	37	33	31
NCA 12_COM_5616	27	36	33	41	49	36	52	43	39	32
NCA 12_COM_5617	23	23	25	30	35	25	45	31	24	20
NCA 12_COM_5618	17	18	20	24	30	20	37	25	19	20
NCA 12_COM_5637	51	70	65	76	76	73	77	70	74	53
NCA 12_COM_5706	16	18	20	24	30	19	37	25	19	20
NCA 12_COM_5712	20	19	22	25	32	21	38	26	20	23
NCA 12_COM_5725	18	19	21	24	33	21	37	26	22	20
NCA 12_COM_5729	31	33	36	38	41	35	48	38	34	29
NCA 12_COM_5730	23	25	28	31	38	29	42	31	28	25
NCA 12_COM_5739	27	46	49	46	52	56	45	38	43	27
NCA 12_COM_5741	29	29	32	36	42	32	48	38	32	26
NCA 12_COM_5828	21	27	26	34	42	27	48	37	31	32
NCA 12_COM_5858	29	28	31	33	38	29	47	34	28	27
NCA 12_COM_5859	23	23	26	30	37	26	44	32	26	27
NCA 12_COM_5893	26	42	31	40	63	34	60	55	51	46
NCA 12_COM_5894	27	46	50	41	53	57	59	46	46	35
NCA 12_COM_6088	23	28	29	35	41	28	47	35	29	31
NCA 12_COM_6089	22	28	28	34	44	28	49	38	31	34
NCA 12_COM_6194	24	28	29	34	45	31	47	39	34	33
NCA 12_COM_6195	23	29	29	34	42	32	46	35	32	28
NCA 12_COM_6312	66	37	67	44	56	44	57	44	39	41
NCA 12_COM_6313	46	30	50	37	43	38	49	36	31	31
NCA 12_COM_6390	70	57	65	64	76	67	78	66	63	69
NCA 12_COM_6392	30	27	33	33	40	31	47	35	29	30
NCA 12_COM_6548	59	56	69	61	66	66	65	58	58	45
NCA 12_RES_6549	53	35	54	41	48	55	51	39	35	29
NCA 12_COM_6550	54	61	69	66	70	75	69	61	62	48
NCA 12_COM_6602	25	44	47	46	51	53	45	40	42	27
NCA 12_RES_6717	33	55	55	61	65	63	58	56	57	38
NCA 12_COM_6718	53	66	68	71	73	79	72	66	67	50
NCA 12_COM_6873	41	31	41	38	44	30	49	38	33	28
NCA 12_COM_6874	50	31	48	37	41	33	46	36	32	24
NCA 12_COM_6875	61	46	63	51	59	47	61	51	48	44
NCA 12_COM_6876	58	39	57	45	47	47	53	42	39	32
NCA 12_COM_6877	60	35	60	41	45	41	51	39	35	30
NCA 12_COM_6881	36	65	57	70	74	62	76	68	70	53
NCA 12_COM_6882	34	64	56	68	74	59	75	68	69	53
NCA 12_COM_7075	20	22	23	29	33	21	41	29	22	21
NCA 12_COM_7076	16	16	19	22	29	19	34	23	18	17
NCA 12_COM_7128	24	29	35	36	46	35	50	37	31	30

NCA 12_COM_7129	28	33	32	39	46	34	53	41	35	34
NCA 12_COM_7141	18	19	21	25	32	21	37	26	21	20
NCA 12_COM_7152	23	21	24	27	33	23	39	27	21	22
NCA 12_RES_7155	41	30	44	35	41	49	47	35	31	29
NCA 12_COM_7161	18	19	22	25	31	21	39	26	20	21
NCA 12_COM_7168	31	32	35	38	40	35	48	37	33	28
NCA 12_COM_7186	28	20	30	26	34	24	38	27	23	22
NCA 12_COM_7193	22	25	27	31	51	28	49	43	38	38
NCA 12_COM_7207	19	18	21	25	31	21	39	26	20	21
NCA 12_COM_7218	36	37	41	43	54	39	56	46	41	41
NCA 12_COM_7229	26	25	28	32	38	27	46	34	27	23
NCA 12_COM_7235	37	41	43	46	55	43	56	47	44	41
NCA 12_COM_7246	27	36	33	40	49	36	52	44	40	33
NCA 12_CCC_7254	48	30	52	35	41	39	43	33	32	25
NCA 12_COM_7264	37	40	42	45	53	42	55	46	43	38
NCA 12_COM_7273	30	32	36	39	48	37	52	39	33	31
NCA 12_COM_7277	45	45	49	51	63	46	65	55	51	48
NCA 12_RES_7281	28	50	54	54	59	59	53	49	51	32
NCA 12_COM_7285	18	20	22	26	31	21	38	26	20	21
NCA 12_COM_7293	38	42	44	47	57	44	58	49	46	43
NCA 12_COM_7297	22	21	24	27	34	23	39	28	23	23
NCA 12_COM_7309	37	39	42	45	53	42	55	46	42	36
NCA 12_COM_7346	37	40	42	45	54	42	55	46	43	39
NCA 12_COM_7352	39	42	44	47	57	44	58	50	46	43
NCA 12_COM_7362	24	20	24	26	33	22	38	28	22	21
NCA 12_COM_7366	20	22	24	27	36	24	39	29	25	23
NCA 12_COM_7382	29	29	32	35	41	31	48	35	30	30
NCA 12_COM_7440	32	30	34	36	43	33	49	36	31	32
NCA 12_COM_7447	66	45	68	52	61	53	62	51	48	41
NCA 12_COM_7451	22	25	28	32	36	25	43	31	25	23
NCA 12_COM_7454	23	29	28	35	46	29	51	41	34	37
NCA 12_COM_7457	16	17	20	22	31	19	35	24	20	18
NCA 12_COM_7463	43	43	46	48	58	45	59	51	48	44
NCA 12_COM_7469	23	29	29	35	47	30	48	40	34	37
NCA 12_COM_7476	18	18	21	25	32	21	38	26	21	19
NCA 12_COM_7540	18	20	22	26	31	21	38	26	20	21
NCA 12_COM_7550	46	47	50	53	64	48	66	56	53	50
NCA 12_COM_7551	26	31	30	37	45	32	52	42	37	33
NCA 12_COM_7554	47	55	53	60	72	58	73	65	63	51
NCA 12_COM_7567	35	34	40	41	50	37	52	41	36	38
NCA 12_COM_7579	17	18	21	24	31	20	37	25	20	20
NCA 12_COM_7580	25	26	27	32	39	27	46	33	27	30
NCA 12_COM_7606	27	26	28	32	38	28	43	33	28	26
NCA 12_COM_7645	27	26	28	32	39	28	45	34	28	27
NCA 12_COM_7661	24	30	35	38	47	36	51	38	32	29
NCA 12_COM_7671	29	49	53	58	60	58	65	54	54	44
NCA 12_COM_7686	38	40	43	46	55	43	57	46	42	43
NCA 12_COM_7748	32	33	36	39	42	36	49	38	35	29
NCA 12_COM_7760	17	18	21	25	31	20	38	26	19	20
NCA 12_COM_7777	22	20	24	27	33	23	41	28	21	22
NCA 12_COM_7817	41	42	45	48	58	45	58	50	47	44
NCA 12_COM_7822	22	25	27	31	39	28	43	33	28	27
NCA 12_COM_7831	27	24	27	30	37	26	41	31	26	25
NCA 12_COM_7881	28	29	32	35	41	31	48	36	30	30
NCA 12_COM_7898	47	49	51	55	65	52	66	58	56	48
NCA 12_COM_7906	64	27	64	34	39	34	47	33	27	30
NCA 12_COM_7919	22	19	24	25	34	22	36	26	22	21

NCA 12_COM_7927	37	39	42	44	52	41	54	45	42	35
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NCA 12_COM_7948	27	26	28	32	39	28	44	33	28	27
NCA 12_COM_7953	25	32	31	38	52	31	54	46	39	41
NCA 12_COM_7974	46	45	49	51	60	48	61	53	50	45
NCA 12_COM_7992	23	23	26	29	35	24	42	30	24	22
NCA 12_COM_8010	45	50	51	55	66	52	67	59	57	49
NCA 12_COM_8018	16	17	20	23	31	19	37	25	19	20
NCA 12_COM_8024	30	52	56	60	62	62	66	55	56	40
NCA 12_COM_8032	31	28	33	34	37	31	45	32	28	27
NCA 12_COM_8041	43	45	48	51	62	46	62	53	50	47
NCA 12_COM_8046	38	40	43	45	54	42	55	46	43	39
NCA 12_COM_8052	40	62	55	66	73	60	74	67	67	53
NCA 12_COM_8055	47	51	52	57	68	55	69	61	59	50
NCA 12_COM_8081	20	20	23	27	33	23	41	28	22	22
NCA 12_COM_8088	30	20	33	26	35	23	38	27	23	22
NCA 12_COM_8100	19	20	23	26	35	23	38	27	23	22
NCA 12_COM_8107	33	20	34	27	34	24	38	27	22	22
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NCA 12_COM_8127	47	50	51	55	66	52	66	58	56	49
NCA 12_COM_8151	26	26	28	30	36	28	43	30	25	26
NCA 12_COM_8153	26	30	30	36	43	32	50	38	32	31
NCA 12_COM_8175	21	22	24	27	37	24	40	29	25	24
NCA 12_COM_8189	29	23	29	29	39	26	42	32	27	27
NCA 12_COM_8192	22	20	23	26	34	22	37	27	23	22
NCA 12_COM_8203	37	38	41	44	51	41	53	45	41	33
NCA 12_COM_8204	46	48	50	54	64	51	64	57	54	48
NCA 12_COM_8220	20	20	23	26	35	23	39	28	23	23
NCA 12_EDU_6893	44	27	50	32	38	33	42	34	30	24
NCA 12_EDU_6894	45	26	52	32	38	33	42	32	29	24
NCA 12_EDU_7029	46	27	53	33	39	34	43	31	29	24
NCA 12_EDU_7030	32	23	40	29	35	29	40	28	25	21
NCA 12_EDU_7031	45	27	52	32	38	35	41	31	28	23
NCA 12_EDU_7032	31	24	34	30	36	30	39	29	26	22
NCA 13_COM_5061	27	23	29	30	36	25	43	31	24	23
NCA 13_COM_5384	31	27	35	33	38	30	44	33	27	25
NCA 13_COM_7170	18	17	20	23	30	19	35	24	19	18
NCA 13_COM_7443	27	33	37	40	49	38	51	39	34	33
NCA 13_COM_7546	18	18	21	24	31	20	37	25	20	19
NCA 13_COM_7634	25	15	24	21	26	17	33	22	16	14
NCA 13_COM_8168	20	17	22	23	30	19	35	23	19	18
NCA 13_EDU_6860	20	27	30	34	42	32	46	34	27	25
NCA 13_EDU_6861	21	21	23	27	31	23	40	27	20	17
NCA 13_IND_5259	18	13	21	18	23	19	30	18	12	11
NCA 13_POW_7662	19	12	20	18	25	15	30	19	13	13
NCA 13_RES_5010	27	13	28	20	24	16	31	19	13	12
NCA 13_RES_5013	25	15	26	21	25	19	32	21	15	13
NCA 13_RES_5017	26	16	29	22	25	20	33	21	15	12
NCA 13_RES_5018	26	22	27	27	36	24	42	30	21	22
NCA 13_RES_5030	22	11	23	17	21	13	28	17	10	10
NCA 13_RES_5040	30	22	30	28	33	25	40	28	21	26
NCA 13_RES_5043	30	22	33	23	32	32	32	24	19	14
NCA 13_RES_5047	16	8	17	14	20	11	26	14	8	8
NCA 13_RES_5064	20	12	22	18	24	15	30	18	13	12
NCA 13_RES_5068	19	10	21	16	22	13	28	16	10	10
NCA 13_RES_5074	16	15	18	21	27	17	34	22	16	17
NCA 13_RES_5078	20	11	23	18	21	14	29	17	10	10

NCA 13_RES_5081	23	14	24	20	26	17	32	20	14	14
NCA 13_RES_5090	24	20	26	26	31	22	38	26	19	19
NCA 13_RES_5101	17	20	20	21	28	16	33	26	21	13
NCA 13_RES_5109	31	28	33	34	41	28	46	34	28	19
NCA 13_RES_5116	18	16	21	22	24	17	32	20	13	11
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NCA 13_RES_5121	23	15	24	21	28	18	33	21	16	16
NCA 13_RES_5139	20	17	22	23	28	19	36	24	17	18
NCA 13_RES_5143	29	14	32	20	26	17	31	20	14	14
NCA 13_RES_5153	20	24	23	30	34	26	41	29	23	16
NCA 13_RES_5158	31	27	34	33	39	30	43	32	27	30
NCA 13_RES_5163	12	9	14	16	22	12	27	15	10	10
NCA 13_RES_5193	22	13	27	19	25	16	31	19	13	13
NCA 13_RES_5195	20	13	22	19	23	16	30	19	12	11
NCA 13_RES_5209	25	19	29	25	28	24	34	23	17	13
NCA 13_RES_5216	16	15	18	21	27	17	33	21	16	15
NCA 13_RES_5222	19	12	21	17	23	17	28	17	10	10
NCA 13_RES_5227	23	13	26	18	23	14	30	20	13	10
NCA 13_RES_5230	20	12	20	18	23	14	30	20	13	11
NCA 13_RES_5233	18	14	21	21	23	16	32	19	13	11
NCA 13_RES_5242	17	13	18	19	24	15	32	19	13	16
NCA 13_RES_5252	16	19	19	25	27	24	35	23	17	13
NCA 13_RES_5254	26	11	29	18	23	14	29	18	12	11
NCA 13_RES_5265	18	16	21	25	31	22	40	24	18	20
NCA 13_RES_5267	23	16	25	22	27	19	34	22	15	20
NCA 13_RES_5268	19	15	19	21	28	17	33	24	17	15
NCA 13_RES_5312	14	12	17	18	24	15	30	18	13	12
NCA 13_RES_5318	16	18	18	24	27	20	34	22	16	14
NCA 13_RES_5324	20	13	23	19	23	16	30	18	12	11
NCA 13_RES_5334	18	11	19	17	23	14	29	18	12	11
NCA 13_RES_5343	32	26	35	32	38	29	44	32	26	30
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NCA 13_RES_5370	32	28	35	33	38	30	44	33	27	24
NCA 13_RES_5381	31	27	33	33	40	28	45	34	28	20
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NCA 13_RES_5400	26	28	33	33	41	31	44	33	28	27
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NCA 13_RES_7909	28	28	33	34	39	31	43	33	27	24
NCA 13_RES_7910	24	12	26	18	22	15	30	18	12	10
NCA 13_RES_7941	16	12	18	20	23	16	30	18	12	11
NCA 13_RES_7951	17	14	19	20	27	17	32	21	15	15
NCA 13_RES_7957	15	13	18	19	23	15	30	18	11	11
NCA 13_RES_7964	24	23	25	29	37	23	42	31	23	25
NCA 13_RES_7976	27	24	29	30	36	24	43	31	24	21
NCA 13_RES_7978	24	18	25	24	30	20	38	24	17	19
NCA 13_RES_7988	25	14	27	21	27	18	32	20	14	14
NCA 13_RES_7995	21	19	24	25	27	21	34	22	16	13
NCA 13_RES_8005	13	10	15	16	20	11	28	16	9	9
NCA 13_RES_8011	16	13	19	19	26	17	31	19	14	13
NCA 13_RES_8017	21	12	22	18	23	15	30	19	13	11
NCA 13_RES_8019	21	13	22	19	25	15	31	20	14	13
NCA 13_RES_8048	25	15	24	21	25	17	33	23	16	13
NCA 13_RES_8057	22	31	29	38	44	34	47	37	31	26
NCA 13_RES_8062	25	18	29	24	27	22	34	23	16	13
NCA 13_RES_8063	22	11	23	17	22	13	29	17	10	10
NCA 13_RES_8066	22	14	23	20	27	17	32	21	15	15
NCA 13_RES_8072	21	12	21	18	23	14	30	20	13	11
NCA 13_RES_8084	20	10	21	16	22	13	28	16	10	10
NCA 13_RES_8113	14	13	16	19	24	15	32	19	13	12
NCA 13_RES_8116	32	27	34	33	38	30	44	32	26	26
NCA 13_RES_8126	23	17	24	23	29	19	35	23	17	16
NCA 13_RES_8133	19	13	20	19	26	16	31	20	15	14
NCA 13_RES_8139	23	12	25	18	22	15	29	18	12	10
NCA 13_RES_8141	16	14	18	20	27	17	33	21	16	17
NCA 13_RES_8154	14	11	16	18	21	13	29	16	10	10
NCA 13_RES_8167	19	15	23	22	26	21	32	21	15	13
NCA 13_RES_8170	18	15	20	21	28	17	33	21	16	15
NCA 13_RES_8190	28	18	33	24	28	23	35	23	16	15
NCA 13_RES_8196	24	15	26	21	26	17	32	21	15	14
NCA 13_RES_8207	21	12	23	18	23	16	30	18	12	12
NCA 12_RES_6718	53	66	68	71	73	79	72	66	67	50
NCA 12_RES_6548	59	56	69	61	66	66	65	58	58	45

NCA 12_RES_6550	54	61	69	66	70	75	69	61	62	48
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APPENDIX D

TfNSW RECOMMENDED SAFE WORKING DISTANCES FOR VIBRATION INTENSIVE PLANT

APPENDIX D

Minimum working distances for vibration intensive activities

As a guide, minimum working distances for typical items of vibration intensive plant are listed in Table 20. The minimum working distances are quoted for both “cosmetic” damage (refer BS 7385) and human comfort (refer OEH’s *Assessing Vibration – a technical guideline*). The minimum working distances for cosmetic damage must be complied with at all times, unless otherwise approved by the relevant authority.

Table 20: Recommended minimum working distances from vibration intensive plant

Plant Item	Approx. Size/ Weight/ Model	Minimum Distance – Cosmetic Damage (BS 7385)	Minimum Distance – Human Response (OE&H Vibration Guideline)
Vibratory Roller	1-2 tonne	5 m	15 m to 20 m
	2-4 tonne	6 m	20 m
	4-6 tonne	12 m	40 m
	7-13 tonne	15 m	100 m
	13-18 tonne	20 m	100 m
	> 18 tonne	25 m	100 m
Small Hydraulic Hammer	300 kg (5 to 12t excavator)	2 m	7 m
Medium Hydraulic Hammer	900 kg (12 to 18t excavator)	7 m	23 m
Large Hydraulic Hammer	1600 kg (18 to 34t excavator)	22 m	73 m
Pile Driver – Vibratory	Sheet piles	2 m to 20 m	20 m
Piling Rig – Bored	≤ 800 mm	2 m (nominal)	N/A
Piling Rig – Hammer	12 t down force	15 m	50 m
Jackhammer	Hand held	1 m (nominal)	Avoid contact with structure

Note: More stringent conditions may apply to heritage or other sensitive structures

The minimum working distances presented in Table 20 are indicative and will vary depending on the particular item of plant and local geotechnical conditions. They apply to cosmetic damage of typical buildings under typical geotechnical conditions. Vibration monitoring is recommended to confirm the minimum working distances at specific sites.

For highly sensitive receivers (e.g. high technology facilities, recording studios and cinemas), specific assessment is required to ensure satisfactory operation of the facility and determine if any mitigation or management measures are required to minimise the potential impacts.

In relation to human comfort (response), the minimum working distances in Table 20 relate to continuous vibration. For most construction activities, vibration emissions are intermittent in nature and for this reason, higher vibration levels, occurring over shorter periods are allowed (see APPENDIX A). Where the predicted vibration levels exceed the human comfort objectives, the procedures in Section 8 are to be followed in order to mitigate the potential impacts at sensitive receivers.

D.1 Works within minimum working distance

If the predicted ground-borne vibration levels exceed the cosmetic damage objectives in APPENDIX A, a different construction method with lower source vibration levels must be used where feasible and reasonable. Otherwise construction works should not proceed unless attended vibration measurements are undertaken at the commencement of the works to determine if there is risk of exceeding of the cosmetic damage objective, a permanent vibration monitoring system should be installed, to warn plant operators (for example via flashing light, audible alarm, SMS) when vibration levels are approaching the cosmetic damage objective.