

Heat vulnerability and urban tree canopy cover levels for Greater Sydney councils in the Greening our City program

Data sources and summary

The following heat vulnerability and canopy cover data for Greater Sydney has been provided to support council's grant applications.

Greater Sydney councils are encouraged to use the information in this document when answering questions in the 'Merit' section of the application form. Councils are further encouraged to provide more detailed information about the heat vulnerability in proposed planting locations, by drawing on the heat vulnerability data at the statistical area level 1 scale available via the Green Infrastructure User Interface (GIUI) or the [NSW SEED Portal](#).

If your council does not already have access to the GIUI, please request access via greeningourcity@planning.nsw.gov.au.

Heat vulnerability index

Data source: 2022 Heat Vulnerability Index for the Greater Sydney Region, State Government of NSW and NSW Department of Planning, Housing and Infrastructure 2025. The source data identifies areas that are more vulnerable to the adverse effects of urban heat, using indicators for exposure, sensitivity and adaptive capacity to calculate an overall heat vulnerability index. A heat vulnerability index (HVI) score of 1 represents low heat vulnerability (a combination of low exposure, low sensitivity and/or high adaptive capacity). A vulnerability score of 5 represents high heat vulnerability (a combination of high exposure, high sensitivity and/or low adaptive capacity).

Description: The source data has been adapted to calculate the distribution of heat vulnerability levels at a local government scale. This has been calculated by counting the number of areas (statistical area level 1 (SA1s)) within a council area that have a HVI score of 1, 2, 3, 4 or 5, presented as a proportion of the total number of areas in the council area. The distribution of heat vulnerability for each council is indicative only*.

** A small number of SA1s straddle local government area boundaries. These SA1s have been assigned to the LGA for which most of their area is within.*

Urban tree canopy cover range (%)

Source data: Greater Sydney Region Tree Canopy 2022 dataset, State Government of NSW and Department of Planning, Housing and Infrastructure 2024. The source data provides both an area and percentage of canopy in the Greater Sydney Region at a small scale (approximately 0.48m).

Description: The source data has been adapted to calculate canopy cover at the suburb level for the metropolitan urban area using modified 2019 suburb boundaries**. The suburb statistics were categorised into the following ranges of canopy cover: 0-10%, 10-20%, 20-30%, 30-40%, and 40-100%; these ranges are available in Table 2. Those suburbs in the range 0-10% have very low canopy cover, and those in the range greater than 40% have high to very high tree canopy cover.

*** 2019 suburb boundaries were used to summarise the 2022 canopy data to accurately identify changes in canopy over time.*

Table 1 – Distribution of heat vulnerability in Greater Sydney local government areas

LGA	Proportion of SA1s in the LGA with a HVI score of:				
	1 - low	2	3	4	5 - high
Bayside	1%	6%	25%	60%	8%
Blacktown	0%	2%	15%	54%	29%
Blue Mountains	60%	31%	8%	1%	0%
Burwood	0%	2%	76%	22%	0%
Camden	2%	12%	31%	41%	14%
Campbelltown	2%	4%	22%	53%	19%
Canada Bay	6%	33%	48%	13%	0%
Canterbury-Bankstown	1%	4%	16%	58%	21%
Cumberland	0%	1%	12%	56%	31%
Fairfield	0%	<1%	5%	24%	71%
Georges River	6%	12%	31%	46%	5%
Hawkesbury	11%	27%	21%	26%	15%
Hornsby	34%	41%	21%	4%	<1%
Hunters Hill	37%	36%	24%	3%	0%
Inner West	2%	21%	65%	12%	<1%
Ku-ring-gai	81%	16%	3%	0%	0%
Lane Cove	33%	54%	13%	0%	0%
Liverpool	<1%	5%	19%	44%	32%
Mosman	25%	55%	19%	1%	0%
North Sydney	20%	55%	23%	1%	1%
Northern Beaches	29%	44%	23%	4%	0%
Parramatta	3%	19%	45%	30%	3%
Penrith	1%	5%	13%	32%	49%
Randwick	2%	17%	54%	24%	3%
Ryde	7%	29%	45%	18%	1%
Strathfield	0%	17%	54%	27%	2%
Sutherland	13%	32%	39%	15%	1%
Sydney	2%	32%	52%	11%	3%
The Hills	14%	21%	44%	21%	0%
Waverley	7%	46%	47%	0%	0%
Willoughby	24%	43%	30%	3%	<1%
Wollondilly	14%	38%	29%	17%	2%
Woollahra	26%	64%	10%	0%	0%

Table 2: Urban tree canopy cover by suburb

Suburbs	Urban tree canopy cover range (%)	Suburbs	Urban tree canopy cover range (%)
Abbotsbury	0-10%	Avalon Beach	40-100%
Abbotsford	10-20%	Badgerys Creek	0-10%
Acacia Gardens	10-20%	Balgowlah	20-30%
Airds	10-20%	Balgowlah Heights	20-30%
Alexandria	10-20%	Balmain	20-30%
Alfords Point	40-100%	Balmain East	20-30%
Allambie Heights	40-100%	Bangor	30-40%
Allawah	10-20%	Banksia	10-20%
Ambarvale	10-20%	Banksmeadow	0-10%
Annandale	20-30%	Bankstown	10-20%
Appin	20-30%	Bankstown Aerodrome	0-10%
Arncliffe	10-20%	Barangaroo	0-10%
Arndell Park	0-10%	Barden Ridge	30-40%
Artarmon	20-30%	Bardia	10-20%
Ashbury	10-20%	Bardwell Park	20-30%
Ashcroft	10-20%	Bardwell Valley	10-20%
Ashfield	20-30%	Bass Hill	10-20%
Asquith	30-40%	Baulkham Hills	20-30%
Auburn	10-20%	Bayview	40-100%
Austral	10-20%	Beacon Hill	30-40%

Suburbs	Urban tree canopy cover range (%)
Beaconsfield	10-20%
Beaumont Hills	20-30%
Beecroft	40-100%
Belfield	10-20%
Bella Vista	20-30%
Bellevue Hill	30-40%
Belmore	10-20%
Belrose	40-100%
Berala	10-20%
Berkshire Park	0-10%
Berowra	40-100%
Berowra Heights	40-100%
Beverley Park	10-20%
Beverly Hills	10-20%
Bexley	10-20%
Bexley North	10-20%
Bidwill	10-20%
Bilgola Beach	40-100%
Bilgola Plateau	30-40%
Birchgrove	20-30%

Suburbs	Urban tree canopy cover range (%)
Birrong	10-20%
Blackett	10-20%
Blacktown	10-20%
Blair Athol	10-20%
Blairmount	10-20%
Blakehurst	20-30%
Bondi	10-20%
Bondi Beach	10-20%
Bondi Junction	10-20%
Bonnet Bay	30-40%
Bonnyrigg	10-20%
Bonnyrigg Heights	0-10%
Bossley Park	0-10%
Botany	10-20%
Botany Bay	0-10%
Bow Bowing	0-10%
Box Hill	0-10%
Bradbury	10-20%
Breakfast Point	10-20%
Brighton-Le-Sands	10-20%

Suburbs	Urban tree canopy cover range (%)
Bringelly	10-20%
Bronte	10-20%
Brookvale	10-20%
Bungarribee	0-10%
Burraneer	20-30%
Burwood	10-20%
Burwood Heights	10-20%
Busby	10-20%
Cabarita	20-30%
Cabramatta	10-20%
Cabramatta West	0-10%
Caddens	0-10%
Cambridge Gardens	10-20%
Cambridge Park	10-20%
Camden	20-30%
Camden Park	10-20%
Camden South	10-20%
Camellia	10-20%
Cammeray	20-30%
Campbelltown	10-20%

Suburbs	Urban tree canopy cover range (%)
Camperdown	20-30%
Campsie	10-20%
Canada Bay	10-20%
Canley Heights	0-10%
Canley Vale	10-20%
Canterbury	10-20%
Caringbah	10-20%
Caringbah South	20-30%
Carlingford	20-30%
Carlton	10-20%
Carnes Hill	10-20%
Carramar	20-30%
Carss Park	20-30%
Cartwright	20-30%
Castle Cove	40-100%
Castle Hill	30-40%
Castlecrag	40-100%
Castlereagh	0-10%
Casula	10-20%
Catherine Field	10-20%

Suburbs	Urban tree canopy cover range (%)
Cawdor	0-10%
Cecil Hills	10-20%
Cecil Park	20-30%
Centennial Park	30-40%
Chatswood	30-40%
Chatswood West	40-100%
Cheltenham	40-100%
Cherrybrook	30-40%
Chester Hill	10-20%
Chifley	10-20%
Chippendale	10-20%
Chipping Norton	10-20%
Chiswick	10-20%
Chullora	10-20%
Church Point	40-100%
Claremont Meadows	20-30%
Clareville	40-100%
Claymore	10-20%
Clemtown Park	10-20%
Clontarf	30-40%

Suburbs	Urban tree canopy cover range (%)
Clovelly	10-20%
Clyde	10-20%
Cobbitty	0-10%
Colebee	20-30%
Collaroy	10-20%
Collaroy Plateau	10-20%
Colyton	10-20%
Como	30-40%
Concord	10-20%
Concord West	20-30%
Condell Park	0-10%
Connells Point	20-30%
Constitution Hill	10-20%
Coogee	10-20%
Cowan	40-100%
Cranebrook	10-20%
Cremorne	20-30%
Cremorne Point	30-40%
Cromer	30-40%
Cronulla	10-20%

Suburbs	Urban tree canopy cover range (%)
Crows Nest	10-20%
Croydon	10-20%
Croydon Park	10-20%
Curl Curl	10-20%
Currans Hill	10-20%
Daceyville	20-30%
Darling Point	30-40%
Darlinghurst	20-30%
Darlington	20-30%
Davidson	40-100%
Dawes Point	10-20%
Dean Park	10-20%
Dee Why	20-30%
Denham Court	20-30%
Denistone	30-40%
Denistone East	20-30%
Denistone West	30-40%
Dharruk	10-20%
Dolans Bay	20-30%
Dolls Point	10-20%

Suburbs	Urban tree canopy cover range (%)
Doonside	10-20%
Double Bay	20-30%
Douglas Park	40-100%
Dover Heights	10-20%
Drummoyne	10-20%
Dulwich Hill	20-30%
Dundas	20-30%
Dundas Valley	20-30%
Dural	40-100%
Eagle Vale	10-20%
Earlwood	10-20%
East Hills	10-20%
East Killara	40-100%
East Lindfield	40-100%
East Ryde	40-100%
Eastern Creek	10-20%
Eastgardens	10-20%
Eastlakes	10-20%
Eastwood	20-30%
Edensor Park	0-10%

Suburbs	Urban tree canopy cover range (%)
Edgecliff	20-30%
Edmondson Park	10-20%
Elanora Heights	30-40%
Elderslie	10-20%
Elizabeth Bay	20-30%
Elizabeth Hills	10-20%
Emerton	10-20%
Emu Heights	30-40%
Emu Plains	10-20%
Enfield	10-20%
Engadine	30-40%
Englorie Park	0-10%
Enmore	20-30%
Epping	30-40%
Ermington	10-20%
Erskine Park	10-20%
Erskineville	20-30%
Eschol Park	0-10%
Eveleigh	10-20%
Fairfield	10-20%

Suburbs	Urban tree canopy cover range (%)
Fairfield East	0-10%
Fairfield Heights	0-10%
Fairfield West	0-10%
Fairlight	10-20%
Five Dock	10-20%
Forest Lodge	20-30%
Forestville	30-40%
Frenchs Forest	30-40%
Freshwater	10-20%
Georges Hall	10-20%
Gilead	20-30%
Girraween	10-20%
Gladesville	20-30%
Glebe	20-30%
Gledswood Hills	0-10%
Glen Alpine	10-20%
Glendenning	0-10%
Glenfield	10-20%
Glenhaven	40-100%
Glenmore Park	10-20%

Suburbs	Urban tree canopy cover range (%)
Glenwood	10-20%
Gordon	40-100%
Granville	10-20%
Grays Point	30-40%
Green Valley	0-10%
Greenacre	0-10%
Greendale	0-10%
Greenfield Park	10-20%
Greenhills Beach	0-10%
Greenwich	30-40%
Gregory Hills	0-10%
Greystanes	10-20%
Guildford	10-20%
Guildford West	0-10%
Gymea	20-30%
Gymea Bay	20-30%
Haberfield	10-20%
Hammondville	20-30%
Harrington Park	10-20%
Harris Park	10-20%

Suburbs	Urban tree canopy cover range (%)
Hassall Grove	0-10%
Haymarket	10-20%
Heathcote	20-30%
Hebersham	10-20%
Heckenberg	10-20%
Henley	30-40%
Hillsdale	10-20%
Hinchinbrook	10-20%
Holroyd	10-20%
Holsworthy	20-30%
Homebush	10-20%
Homebush West	10-20%
Horningsea Park	10-20%
Hornsby	30-40%
Hornsby Heights	40-100%
Horsley Park	10-20%
Hoxton Park	10-20%
Hunters Hill	30-40%
Huntingwood	10-20%
Huntleys Cove	30-40%

Suburbs	Urban tree canopy cover range (%)
Huntleys Point	30-40%
Hurlstone Park	20-30%
Hurstville	10-20%
Hurstville Grove	20-30%
Illawong	40-100%
Ingleburn	10-20%
Ingleside	40-100%
Jamisontown	10-20%
Jannali	30-40%
Jordan Springs	0-10%
Kangaroo Point	10-20%
Kareela	20-30%
Kearns	10-20%
Kellyville	10-20%
Kellyville Ridge	10-20%
Kemps Creek	10-20%
Kensington	20-30%
Kentlyn	40-100%
Killara	30-40%
Killarney Heights	40-100%

Suburbs	Urban tree canopy cover range (%)
Kings Langley	20-30%
Kings Park	10-20%
Kingsford	10-20%
Kingsgrove	10-20%
Kingswood	10-20%
Kirrawee	20-30%
Kirribilli	20-30%
Kogarah	10-20%
Kogarah Bay	10-20%
Ku-Ring-Gai Chase	40-100%
Kurnell	20-30%
Kurraba Point	30-40%
Kyeemagh	0-10%
Kyle Bay	20-30%
La Perouse	10-20%
Lakemba	10-20%
Lalor Park	10-20%
Lane Cove	30-40%
Lane Cove North	40-100%
Lane Cove West	30-40%

Suburbs	Urban tree canopy cover range (%)
Lansdowne	40-100%
Lansvale	20-30%
Lavender Bay	30-40%
Leichhardt	10-20%
Len Waters Estate	20-30%
Leonay	30-40%
Leppington	10-20%
Lethbridge Park	10-20%
Leumeah	10-20%
Lewisham	20-30%
Liberty Grove	20-30%
Lidcombe	10-20%
Lilli Pilli	20-30%
Lilyfield	20-30%
Lindfield	40-100%
Linley Point	30-40%
Little Bay	10-20%
Liverpool	10-20%
Llandilo	40-100%
Loftus	30-40%

Suburbs	Urban tree canopy cover range (%)
Long Point	40-100%
Longueville	30-40%
Lucas Heights	20-30%
Luddenham	0-10%
Lugarno	30-40%
Lurnea	0-10%
Macquarie Fields	10-20%
Macquarie Links	20-30%
Macquarie Park	30-40%
Malabar	10-20%
Maldon	30-40%
Manly	20-30%
Manly Vale	20-30%
Marayong	10-20%
Maroubra	10-20%
Marrickville	10-20%
Marsden Park	10-20%
Marsfield	30-40%
Mascot	0-10%
Matraville	10-20%

Suburbs	Urban tree canopy cover range (%)
Mays Hill	10-20%
Mcmahons Point	20-30%
Meadowbank	20-30%
Melrose Park	10-20%
Menai	30-40%
Menangle	20-30%
Menangle Park	10-20%
Merrylands	0-10%
Merrylands West	10-20%
Middle Cove	40-100%
Middle Harbour	20-30%
Middleton Grange	10-20%
Miller	20-30%
Millers Point	10-20%
Milperra	20-30%
Milsons Point	10-20%
Minchinbury	10-20%
Minto	10-20%
Minto Heights	30-40%
Miranda	10-20%

Suburbs	Urban tree canopy cover range (%)
Mona Vale	20-30%
Monterey	10-20%
Moore Park	20-30%
Moorebank	10-20%
Mortdale	20-30%
Mortlake	0-10%
Mosman	30-40%
Mount Annan	10-20%
Mount Colah	30-40%
Mount Druitt	10-20%
Mount Kuring-Gai	40-100%
Mount Lewis	10-20%
Mount Pritchard	0-10%
Mount Vernon	0-10%
Mulgoa	40-100%
Narellan	10-20%
Narellan Vale	10-20%
Naremburn	30-40%
Narrabeen	20-30%
Narraweena	20-30%

Suburbs	Urban tree canopy cover range (%)
Narwee	10-20%
Neutral Bay	20-30%
Newington	20-30%
Newport	30-40%
Newtown	20-30%
Normanhurst	40-100%
North Balgowlah	20-30%
North Bondi	10-20%
North Curl Curl	10-20%
North Epping	40-100%
North Kellyville	20-30%
North Manly	20-30%
North Narrabeen	30-40%
North Parramatta	30-40%
North Rocks	40-100%
North Ryde	20-30%
North St Marys	20-30%
North Strathfield	10-20%
North Sydney	20-30%
North Turramurra	30-40%

Suburbs	Urban tree canopy cover range (%)
North Wahroonga	40-100%
North Willoughby	10-20%
Northbridge	30-40%
Northmead	30-40%
Northwood	30-40%
Norwest	20-30%
Oakhurst	10-20%
Oakville	20-30%
Oatlands	20-30%
Oatley	30-40%
Old Guildford	0-10%
Old Toongabbie	10-20%
Oran Park	0-10%
Orchard Hills	10-20%
Oxford Falls	40-100%
Oxley Park	10-20%
Oyster Bay	30-40%
Paddington	20-30%
Padstow	10-20%
Padstow Heights	40-100%

Suburbs	Urban tree canopy cover range (%)
Pagewood	10-20%
Palm Beach	30-40%
Panania	10-20%
Parklea	10-20%
Parramatta	10-20%
Peakhurst	10-20%
Peakhurst Heights	20-30%
Pemulwuy	10-20%
Pendle Hill	10-20%
Pennant Hills	40-100%
Penrith	10-20%
Penshurst	10-20%
Petersham	20-30%
Phillip Bay	20-30%
Picnic Point	40-100%
Picton	0-10%
Pittwater	20-30%
Pleasure Point	40-100%
Plumpton	10-20%
Point Piper	20-30%

Suburbs	Urban tree canopy cover range (%)
Port Botany	0-10%
Port Hacking	20-30%
Potts Hill	10-20%
Potts Point	10-20%
Prairiewood	10-20%
Prestons	10-20%
Prospect	10-20%
Punchbowl	10-20%
Putney	10-20%
Pymble	30-40%
Pymont	10-20%
Quakers Hill	10-20%
Queens Park	20-30%
Queenscliff	10-20%
Raby	0-10%
Ramsgate	20-30%
Ramsgate Beach	10-20%
Randwick	10-20%
Razorback	10-20%
Redfern	20-30%

Suburbs	Urban tree canopy cover range (%)
Regents Park	10-20%
Regentville	30-40%
Revesby	10-20%
Revesby Heights	30-40%
Rhodes	10-20%
Riverstone	10-20%
Riverview	30-40%
Riverwood	10-20%
Rockdale	10-20%
Rodd Point	10-20%
Rookwood	20-30%
Rooty Hill	10-20%
Ropes Crossing	40-100%
Rose Bay	20-30%
Rosebery	10-20%
Rosehill	10-20%
Roselands	10-20%
Rosemeadow	0-10%
Roseville	30-40%
Roseville Chase	40-100%

Suburbs	Urban tree canopy cover range (%)
Rossmore	10-20%
Rouse Hill	20-30%
Royal National Park	30-40%
Rozelle	10-20%
Ruse	20-30%
Rushcutters Bay	30-40%
Russell Lea	10-20%
Rydalmere	20-30%
Ryde	20-30%
Sadleir	10-20%
Sandringham	10-20%
Sandy Point	0-10%
Sans Souci	10-20%
Schofields	10-20%
Seaforth	30-40%
Sefton	10-20%
Seven Hills	10-20%
Shalvey	10-20%
Shanes Park	40-100%
Silverwater	10-20%

Suburbs	Urban tree canopy cover range (%)
Smeaton Grange	0-10%
Smithfield	0-10%
South Coogee	10-20%
South Granville	10-20%
South Hurstville	10-20%
South Penrith	10-20%
South Turramurra	40-100%
South Wentworthville	10-20%
Spring Farm	10-20%
St Andrews	10-20%
St Clair	10-20%
St Helens Park	30-40%
St Ives	40-100%
St Ives Chase	30-40%
St Johns Park	10-20%
St Leonards	10-20%
St Marys	20-30%
St Peters	0-10%
Stanhope Gardens	10-20%
Stanmore	10-20%

Suburbs	Urban tree canopy cover range (%)
Strathfield	20-30%
Strathfield South	10-20%
Summer Hill	20-30%
Surry Hills	20-30%
Sutherland	20-30%
Sydenham	10-20%
Sydney	20-30%
Sydney Olympic Park	30-40%
Sylvania	10-20%
Sylvania Waters	10-20%
Tamarama	10-20%
Taren Point	10-20%
Telopea	30-40%
Tempe	10-20%
Tennyson Point	10-20%
Terrey Hills	40-100%
The Ponds	10-20%
The Rocks	10-20%
Thornleigh	40-100%
Toongabbie	10-20%

Suburbs	Urban tree canopy cover range (%)
Tregear	20-30%
Turramurra	40-100%
Turrella	10-20%
Ultimo	10-20%
Varroville	10-20%
Vaucluse	20-30%
Villawood	10-20%
Vineyard	20-30%
Voyager Point	30-40%
Wahroonga	40-100%
Waitara	20-30%
Wakeley	0-10%
Wareemba	0-10%
Warrawee	30-40%
Warriewood	20-30%
Warwick Farm	10-20%
Waterloo	20-30%
Watsons Bay	20-30%
Wattle Grove	10-20%
Waverley	10-20%

Suburbs	Urban tree canopy cover range (%)
Waverton	30-40%
Wentworth Point	0-10%
Wentworthville	10-20%
Werrington	10-20%
Werrington County	20-30%
Werrington Downs	10-20%
West Hoxton	10-20%
West Pennant Hills	40-100%
West Pymble	40-100%
West Ryde	20-30%
Westleigh	40-100%
Westmead	10-20%
Wetherill Park	0-10%
Whalan	10-20%
Whale Beach	30-40%
Wheeler Heights	20-30%
Wiley Park	10-20%
Willmot	10-20%
Willoughby	20-30%
Willoughby East	20-30%

Suburbs	Urban tree canopy cover range (%)
Wilton	20-30%
Windsor Downs	0-10%
Winston Hills	20-30%
Wolli Creek	10-20%
Wollstonecraft	40-100%
Woodbine	10-20%
Woodcroft	10-20%
Woodpark	0-10%
Woollahra	30-40%
Woolloomooloo	20-30%

Suburbs	Urban tree canopy cover range (%)
Woollooware	10-20%
Woolwich	30-40%
Woronora	40-100%
Woronora Heights	40-100%
Yagoona	10-20%
Yarrawarrah	20-30%
Yennora	0-10%
Yowie Bay	20-30%
Zetland	10-20%