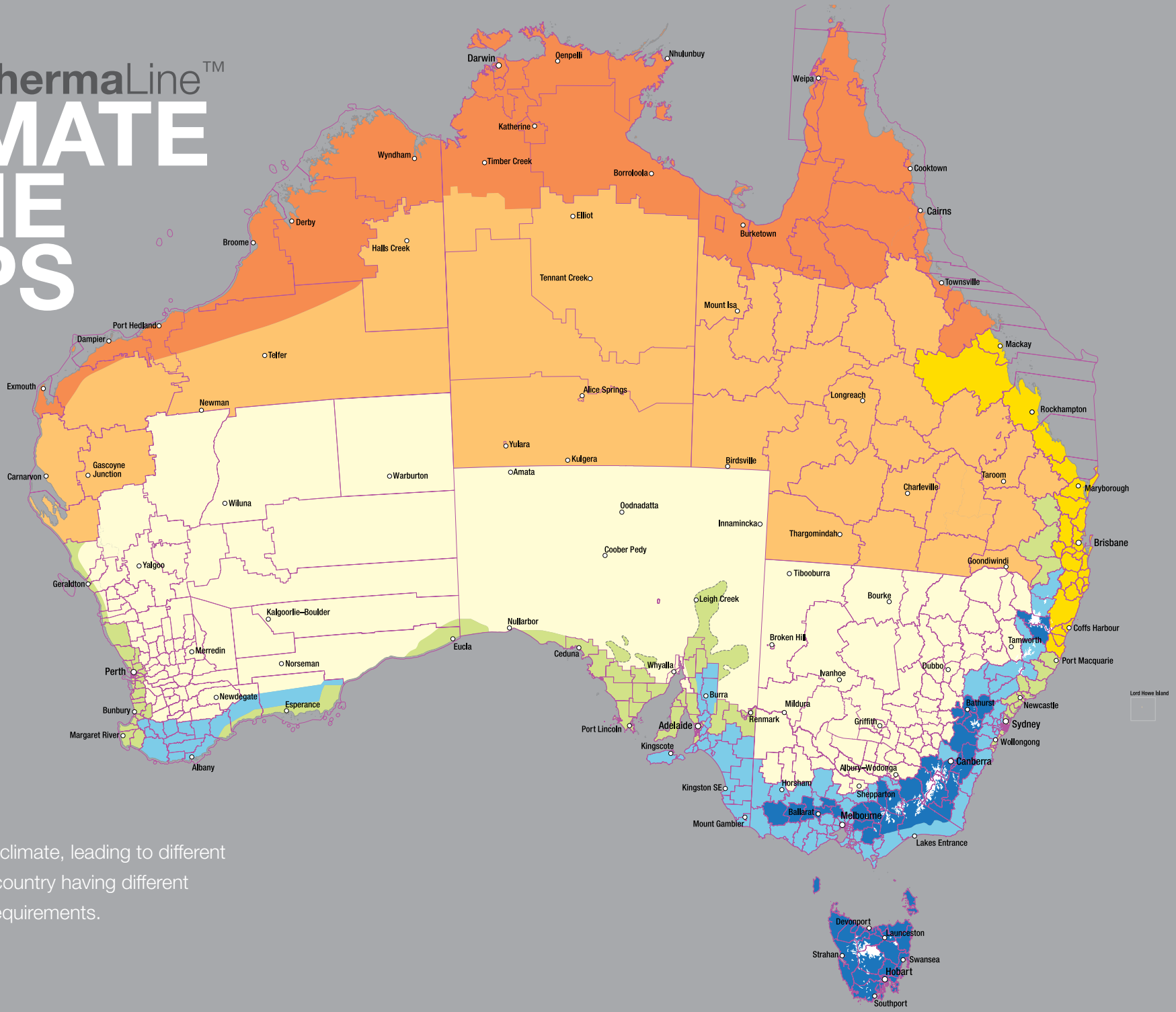
Dowell ThermaLine™
CLIMATE ZONE MAPS



Australia has a varied climate, leading to different locations around the country having different heating and cooling requirements.

Energy efficiency Deemed-to-Satisfy (DtS) provisions vary from location to location and for simplicity, locations with approximately similar climates have been combined into eight climate zones.

The following provides a brief description of each National Construction Code (NCC) climate zone:

	Zone	Description
	1	High humidity summer, warm winter
	2	Warm humid summer, mild winter
	3	Hot dry summer, warm winter
	4	Hot dry summer, cool winter
	5	Warm temperate
	6	Mild temperate
	7	Cool temperate
	8	Alpine

Hot climate zones 1, 2 & 3
Areas included in these climate zones are
Northern Australia, Brisbane, Darwin

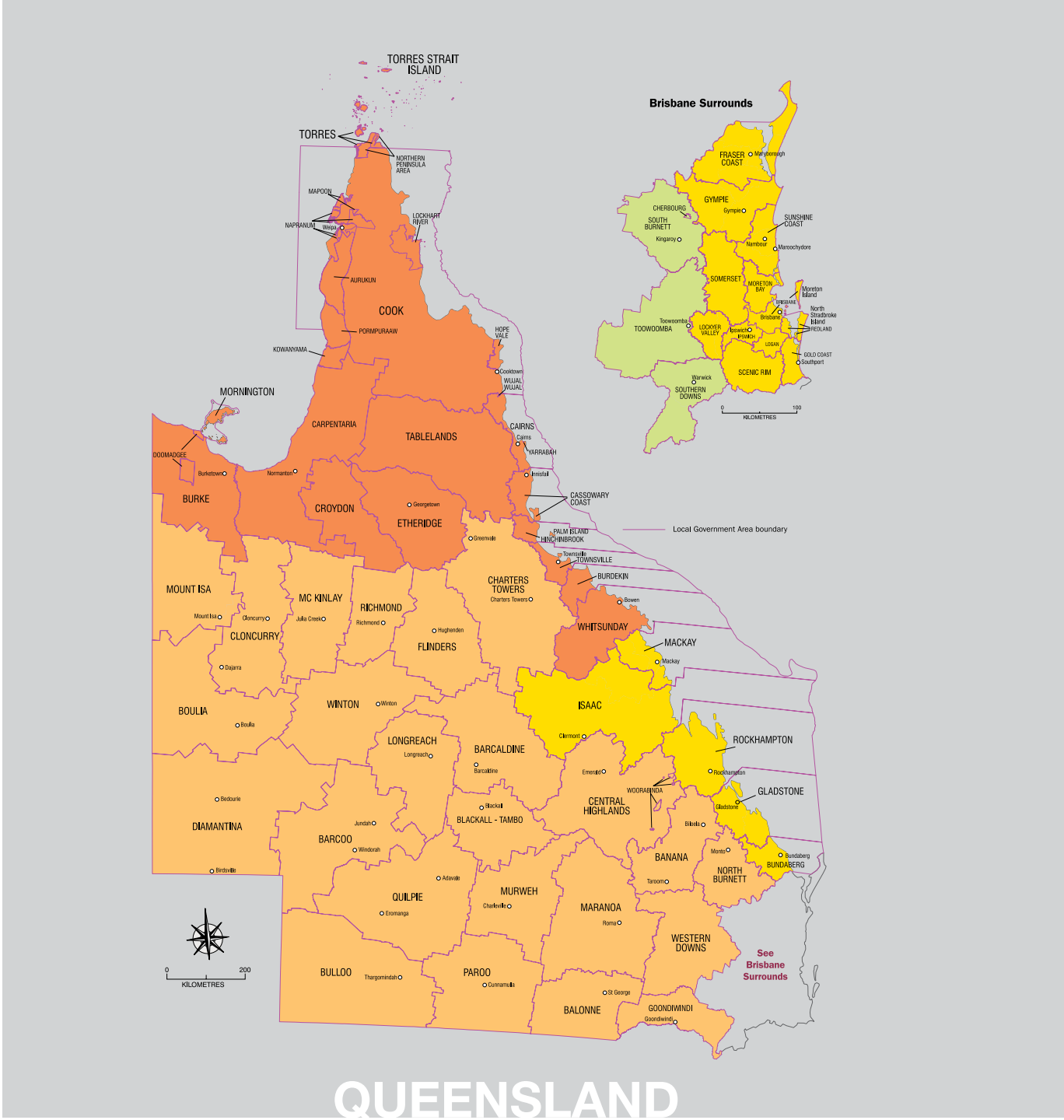
Zone			U_w-value	SHGC	Glazing
1	2	3	*Low 4.5 to 6.5	*Low 0.3 to 0.60	Tinted, tint IGU, high performance tint, tinted low-e (low gain), tint IGU low-e (low gain)

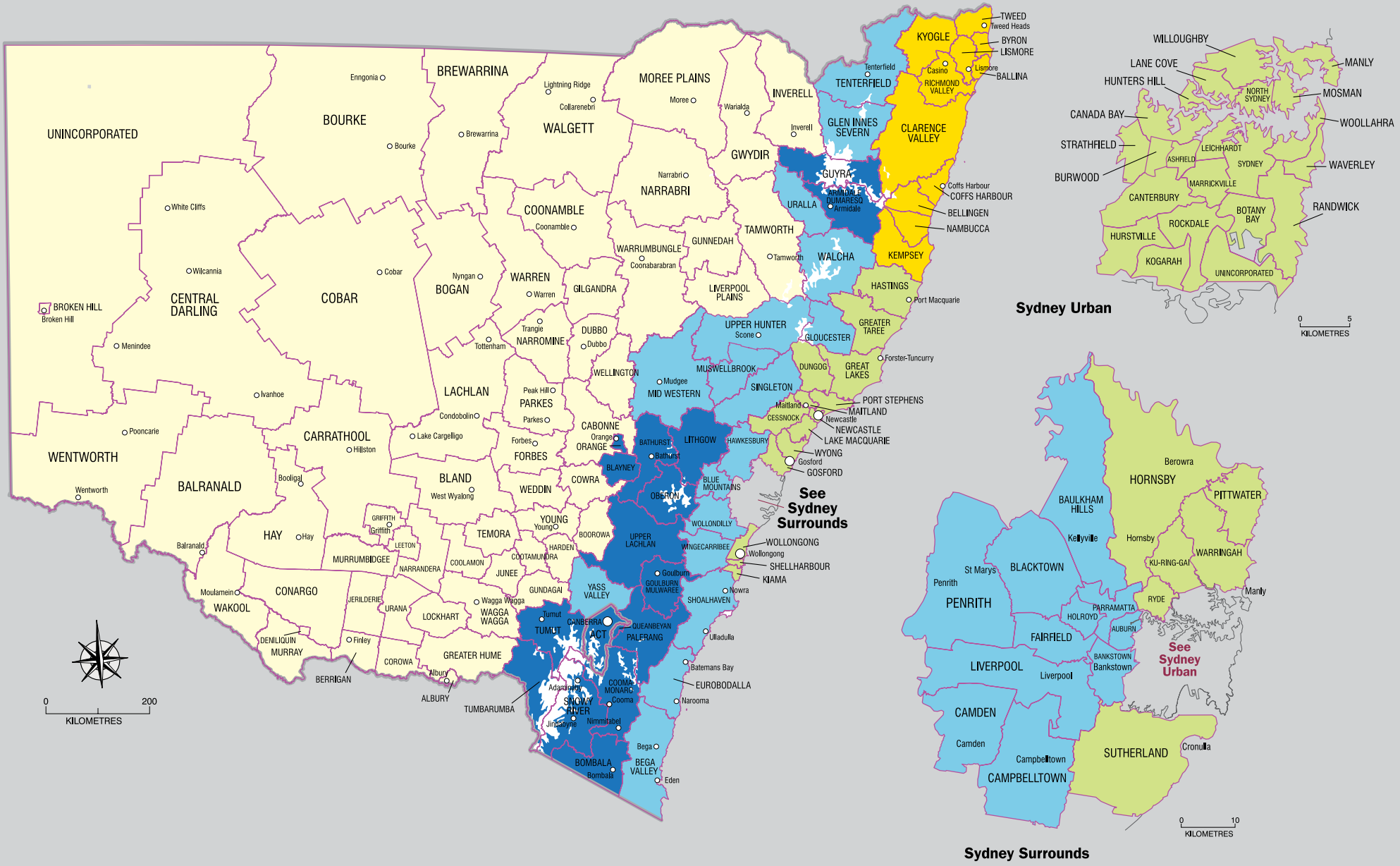
** Dowell suggested thermal performance ranges.*

These eight climate zones are illustrated in the form of a climate zone map which was created using Bureau of Meteorology climatic data, with two supplementary zones added to accommodate an additional temperate zone and alpine area.

Local Government Area Boundary
Aboriginal and Torres Strait Islander Local Government Area Bodies

Reference source:Maps have been developed from maps produced by the Australian Building Codes Board and the Bureau of Meteorology..





NEW SOUTH WALES

VICTORIA

The following provides a brief description of each National Construction Code (NCC) climate zone:

	Zone	Description
	1	High humidity summer, warm winter
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	4	Hot dry summer, cool winter
	5	Warm temperate
	6	Mild temperate
	7	Cool temperate
	8	Alpine

Hot climate zones 1, 2 & 3

Areas included in these climate zones are Northern Australia, Brisbane, Darwin

Zone	U_w-value	SHGC	Glazing
1 2 3	*Low 4.5 to 6.5	*Low 0.3 to 0.60	Tinted, tint IGU, high performance tint, tinted low-e (low gain), tint IGU low-e (low gain)

** Dowell suggested thermal performance ranges.*

Mixed climate zones 4 & 5

Areas included in these climate zones are Sydney, Perth and Adelaide

Zone	U_w-value	SHGC	Glazing
4 5	*Low 3.5 to 6.5	*Mid Range 0.5 to 0.75	Tint, tint + clear low-e, tint + clear IGU tint + clear IGU low-e

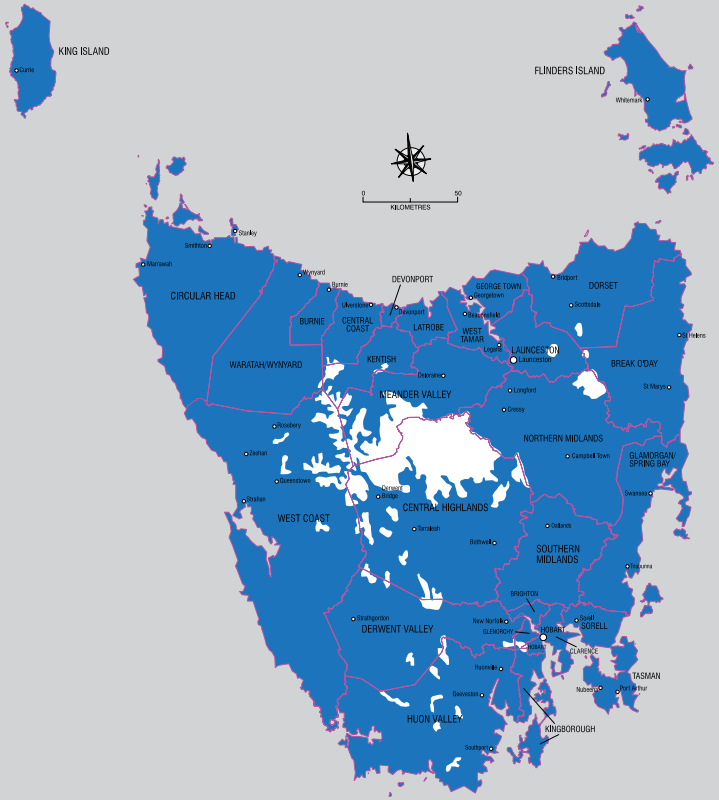
** Dowell suggested thermal performance ranges.*

Cold climate zones 6, 7 & 8

Areas included in these climate zones cover most of Victoria, Australian Capital Territory, Tasmania, and some Southern parts of New South Wales and Western Australia

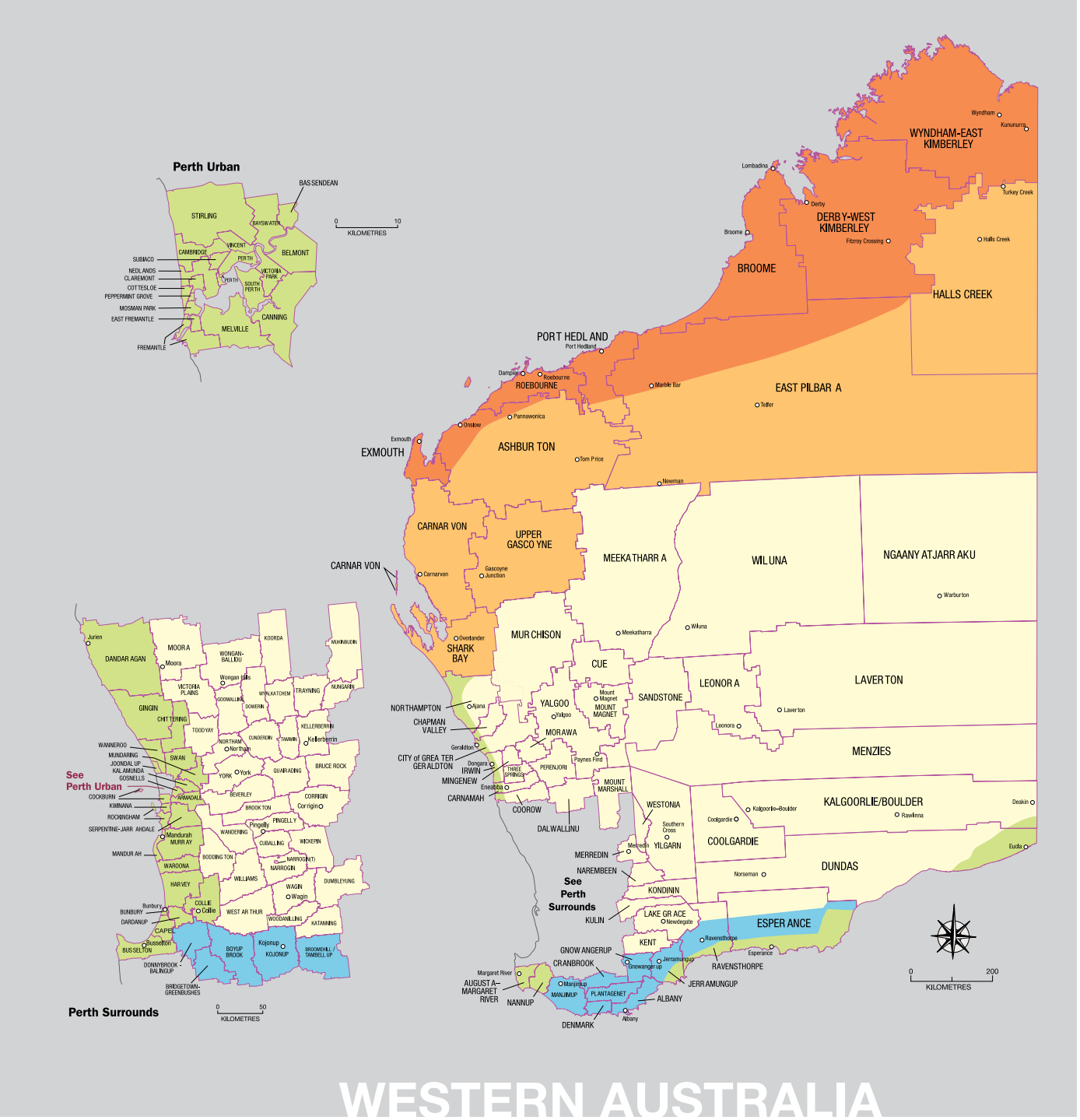
Zone	U_w-value	SHGC	Glazing
6 7 8	*Low 2 to 4.8	*High 0.6 to 0.75	Clear low-e, clear IGU, clear IGU low-e

** Dowell suggested thermal performance ranges.*



TASMANIA

SOUTH AUSTRALIA



WESTERN AUSTRALIA

The following provides a brief description of each National Construction Code (NCC) climate zone:

	Zone	Description
	1	High humidity summer, warm winter
	2	Warm humid summer, mild winter
	3	Hot dry summer, warm winter
	4	Hot dry summer, cool winter
	5	Warm temperate
	6	Mild temperate
	7	Cool temperate
	8	Alpine

Hot climate zones 1, 2 & 3

Areas included in these climate zones are Northern Australia, Brisbane, Darwin

Zone	U_w-value	SHGC	Glazing
1 2 3	*Low 4.5 to 6.5	*Low 0.3 to 0.60	Tinted, tint IGU, high performance tint, tinted low-e (low gain), tint IGU low-e (low gain)

** Dowell suggested thermal performance ranges.*

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Areas included in these climate zones are Sydney, Perth and Adelaide

Zone	U_w-value	SHGC	Glazing
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** Dowell suggested thermal performance ranges.*

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Zone	U_w-value	SHGC	Glazing
6 7 8	*Low 2 to 4.8	*High 0.6 to 0.75	Clear low-e, clear IGU, clear IGU low-e

** Dowell suggested thermal performance ranges.*