

# Thesium Pty Ltd

Biodiversity offsets sourcing and administration



## Opportunities for supply of biodiversity offset credits

Thesium Pty Ltd is specialist supplier of biodiversity offset credits from sites we administer as well as sites where we act as agents for the landholders.

With regard to the identified credit needs in the BDAR for the **Liverpool Range Quarry**, we already hold or are able to provide the following credits that can be used for the offset of impacts. All of these credits are derived from subregions that are within the 100 km buffer of the development impacts, and therefore comply with being 'like-for-like'.

Impact	OTG	Needed	Available from Thesium
PCT 483 - Grey Box x White Box grassy open woodland on basalt hills in the Merriwa region, upper Hunter Valley	White Box – Yellow Box – Blakely's Red Gum Grassy Woodland and Derived Native Grassland CEEC - with hollows	113	Allambie (Ellerston SR): 140 cr. Craigmore (Capertee Valley SR): 1,239 cr. Harts Gully (Hill End SR): 237 cr.
Barking Owl ( <i>Ninox connivens</i> )	<i>Ninox connivens</i>	79	Credits in development on Harts Gully: sufficient for needs

Our full range of credits includes a much greater diversity. See the following pages for a summary of all of the credits that Thesium either holds or has available in the timelines described.

We look forward to being able to discuss the supply of these credits for this project.

With thanks,

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# Thesium Pty Ltd

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## ECOSYSTEM and TEC CREDITS (by OTG) WE HOLD, ARE ASSESSING FOR OR CAN SOURCE

Offset Trading Group	Subregion	PCT/s	Credits	Available
Alpine Heaths <50%	Snowy Mountains	3879	298	Q2 2025 <sup>2</sup>
Alpine Herbfields <50%	Snowy Mountains	3886	264	Q2 2025 <sup>2</sup>
<b>Alpine Sphagnum Bogs and Fens TEC</b>	Snowy Mountains	3891, 3892	47; 58	Q2 2025 <sup>2</sup>
<b>Carbeen Open Forest Community</b>	Northern Basalts (NAN)	428	1-h	Q2 2025
<b>Carex Sedgeland</b>	Eastern Nandewars (NET)	3944	11-h	Now <sup>2</sup>
<b>Castlereagh Scribbly Gum Woodland</b>	Cumberland (SYB)	883	9 <sup>1</sup>	Now <sup>2</sup>
<b>Central Hunter Grey Box – Ironbark Woodland</b>	Ellerston (NNC)	1605	197	Q1 2025
Clarence Dry Sclerophyll Forests <50% cleared	Clarence Lowlands (SEQ)	1209	682 <sup>1</sup>	Now <sup>2</sup>
Coastal Freshwater Lagoons 70-90% cleared	Wollemi (SYB)	1071	11 <sup>1</sup>	Now <sup>2</sup>
Coastal Valley Grassy Woodlands 50-70	Ellerston	622	72	Q1 2025
<b>Cooks River/Castlereagh Ironbark Forest</b>	Cumberland	725	238-h <sup>1</sup>	Now <sup>2</sup>
<b>Cumberland Plain Woodland</b>	Cumberland	849	21-h <sup>1</sup>	Now <sup>2</sup>
Dry Rainforests <50%	Wollemi	877	4+h, 2-h <sup>1</sup>	Now <sup>2</sup>
	Ellerston	616	72	Q1 2025
<b>Freshwater wetlands on coastal floodplains</b>	Clarence Lowlands	780	1 <sup>1</sup>	Now <sup>2</sup>
	Wollemi	1071	11 <sup>1</sup>	Now <sup>2</sup>
<b>Howell Shrublands</b>	Eastern Nandewars	3855	541	Now <sup>2</sup>
Inland Floodplain Swamps 50-70	Pilliga Outwash (BBS)	53 <sup>5</sup>	4 <sup>5</sup>	Q2 2025
Inland Rocky Hill Woodlands <50%	Capertee Valley (NSS)	332	523	Q1 2025
North Coast Wet Sclerophyll Forests <50%	Wollemi	1284	31 <sup>1</sup>	Now <sup>2</sup>
	Cumberland	1284	19 <sup>1</sup>	Now <sup>2</sup>
North-west Slopes Dry Sclerophyll Woodlands <50%	Northern Basalts	549	108 <sup>4</sup>	Q2 2025
	Ellerston	1605, 1606	183, 256	Q1 2025
	Capertee Valley	381	36; 6-h	Q1 2025
North-west Slopes Dry Sclerophyll Woodlands 50-70%	Northern Basalts	597	135	Q2 2025
North-west Slopes Dry Sclerophyll Woodlands 70-90%	Eastern Nandewars	564	152 <sup>1</sup>	Now
Northern Montane Heaths 70-90%	Eastern Nandewars	574	6 <sup>1</sup>	Now
Northern Tableland Dry Sclerophyll Forests <50%	Eastern Nandewars	552	607 <sup>1</sup>	Now
	Eastern Nandewars	3705; 3710; 3724	1,778	Now <sup>2</sup>
Northern Tableland Dry Sclerophyll Forests 50-70%	Eastern Nandewars	502	2,337 <sup>1</sup>	Now
Pilliga Outwash Dry Sclerophyll Forests <50%	Pilliga Outwash	88 <sup>5</sup> , 397 <sup>5</sup>	1,247 <sup>5</sup>	Q2 2025
Pilliga Outwash Dry Sclerophyll Forests 50-70%	Pilliga Outwash	148	350	Q2 2025
<b>Poplar Box Grassy Woodlands on Alluvial Plains (EPBC)</b>	Pilliga Outwash	88 <sup>5</sup>	300 <sup>5</sup>	Q2 2025
<b>River-flat Eucalypt Forests on Coastal Floodplains</b>	Cumberland	835	3, 134-h <sup>1</sup>	Now <sup>2</sup>
<b>Semi-evergreen Vine Thickets</b>	Northern Basalts	147	126	Q2 2025
Southern Tableland Dry Sclerophyll Forests 50-70%	Hill End (SET)	3747	188, 32-h	Q2 2025
	Capertee Valley (NSS)	299	38; 27-h	Q1 2025
Southern Tableland Dry Sclerophyll Forests 90%+	Capertee Valley	701	73	Q1 2025
Subalpine Woodlands <50%	Snowy Mountains	3381	2,428	Q2 2025 <sup>2</sup>
<b>Sub-tropical Coastal Floodplain Forest - NSW NC bioregion</b>	Clarence Lowlands	852; 837	45 <sup>1</sup> ; 24-h <sup>1</sup>	Now <sup>2</sup>
Sydney Coastal Dry Sclerophyll Forests <50%	Wollemi	1083	22 <sup>1</sup>	Now <sup>2</sup>
Sydney Hinterland Dry Sclerophyll Forests <50%	Ellerston	624	1	Q1 2025
Sydney Sand Flats Dry Sclerophyll Forests 50-70%	Wollemi	883	9 <sup>1</sup>	Now <sup>2</sup>
<b>Sydney Turpentine-Ironbark Forest</b>	Wollemi	1284	15 <sup>1</sup>	Now <sup>2</sup>
Upper Riverina Dry Sclerophyll Forests 50-70%	Hill End	3536	1,712; 8-h	Q2 2025
Western Slopes Dry Sclerophyll Forest <50%	Northern Basalts	531	214	Q2 2025
	Pilliga (BBS)	399; 401; 405	25; 149; 1,002	Q2 2025
	Pilliga Outwash	398 <sup>5</sup>	859 <sup>5</sup>	Q2 2025
	Capertee Valley	323; 324	496; 572	Q1 2025
Western Slopes Dry Sclerophyll Forest 50-70%	Northern Basalts	581	81	Q2 2025
	Pilliga	456; 940	556; 21	Q2 2025

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Offset Trading Group	Subregion	PCT/s	Credits	Available
	Capertee Valley	273	180	Q1 2025
Western Slopes Grassy Woodlands 50-70%	Capertee Valley	326	237	Q1 2025
<b>Western Sydney Dry Rainforest</b>	Cumberland	877	13 <sup>1</sup>	Now <sup>2</sup>
<b>White Box – Yellow Box – Blakely’s Red Gum Grassy Woodland and Derived Native Grassland</b>	Northern Basalts	1383; 597	179, 343-h <sup>4</sup> ; 180	Q2 2025
	Ellerston	618; 1606	140	Q1 2025
	Hill End	3376; 3533	209; 28	Q2 2025
	Capertee Valley	266, 277, 283	1,269 <sup>5</sup>	Q1 2025
	Eastern Nandewars	3363; 544	44 <sup>2</sup> ; 105 <sup>1</sup>	Now
Yetman Dry Sclerophyll Forests <50%	Northern Basalts	422	35	Q2 2025

Entries bold are a **Threatened Ecological Community** category or could represent a TEC as some definitions have changed since credit equivalence. PCTs marked with -h is ‘without hollows’, default is with hollows in all types where this applies (not grasslands, heathlands, etc).

## SPECIES CREDITS WE HOLD, ARE ASSESSING FOR OR CAN SOURCE

Scientific name	Common name	Count of credits	Available
<i>Alectura lathamii</i> endangered population	Australian Brush-turkey population in the Brigalow Belt South and Nandewar (BBS)	767	Q2 2025
<i>Anthochaera phrygia</i>	Regent Honeyeater (NET)	77 <sup>1</sup> ; 2,113 <sup>2</sup>	Now
<i>Calotis glandulosa</i>	Mauve Burr-daisy	37	Q2 2025 <sup>2</sup>
<i>Cercartetus nanus</i>	Eastern Pygmy-possum (BBS)	965	Q1 2025
<i>Chalinolobus dwyeri</i>	Large-eared Pied-bat (NNC, SET, BBS, NSS)	9,484	Q1-2 2025 <sup>3</sup>
<i>Cyclodomorphus praealtus</i>	Alpine She-oak Skink	282	Q2 2025 <sup>2</sup>
<i>Cymbidium canaliculatum</i> Hunter population	Tiger Orchid / Tree Orchid (NNC)	2	Q1 2025
<i>Cyperus aquatilis</i>	Water nutgrass (SEQ)	160 <sup>1</sup>	Now <sup>2</sup>
<i>Dillwynia tenuifolia</i>	- (SYB)	119 <sup>1</sup>	Now <sup>2</sup>
<i>Eucalyptus cannonii</i>	Capertee Stringybark (SET, NSS)	58,899	Q2 2025
<i>Eucalyptus glaucina</i>	Slaty red gum (SEQ)	710 <sup>1</sup> ; 703	Now <sup>2</sup>
<i>Grevillea juniperina</i> subsp. <i>juniperina</i>	Juniper-leaved grevillea (SYB)	118 <sup>1</sup>	Now <sup>2</sup>
<i>Homoranthus prolixus</i>	Granite Homoranthus (NET)	39 <sup>1</sup>	Now
<i>Indigofera baileyi</i>	Bailey’s Indigo (SEQ)	1,125 <sup>1</sup>	Now <sup>2</sup>
<i>Litoria verreauxii</i>	Alpine Tree Frog	195	Q2 2025 <sup>2</sup>
<i>Myriophyllum implicatum</i>	- (BBS)	10	Q2 2025
<i>Persicaria elatior</i>	Tall knotweed (SEQ)	6	Now <sup>2</sup>
<i>Petaurus norfolcensis</i>	Squirrel glider (BBS, NNC, SEH, NSS)	5,861	Q1-2 2025 <sup>3</sup>
<i>Phascogale tapoatafa</i>	Brush-tailed phascogale (SEQ)	1,030 <sup>1</sup>	Now <sup>2</sup>
<i>Phascolarctos cinereus</i>	Koala (SEQ, NET, NNC, SET)	900 <sup>1</sup> ; 2,254 <sup>2</sup> 5,000+	Now <sup>2</sup> Q1 2025 <sup>3</sup>
<i>Rotala tripartita</i>	- (SEQ)	47	Now <sup>2</sup>
<i>Turnix maculosus</i>	Red-backed button-quail (SEQ)	339	Now <sup>2</sup>
<i>Uvidicolus sphyrurus</i>	Border thick-tailed gecko (NET)	1,604 <sup>1</sup>	Now
<i>Vespadelus troughtonii</i>	Eastern Cave Bat (NNC, BBS, NSS)	5,786	Q1 2025 <sup>3</sup>

<sup>1</sup> – credits created under BBAM process. Statement of Reasonable Equivalence values BAM credit count given but BBAM credits available.

<sup>2</sup> – listed as an agency service for a business partner.

<sup>3</sup> – credits derived from multiple sites.

<sup>4</sup> – queried as HBT are present in the VZ.

<sup>5</sup> – Preliminary expectation, subject to amendment following assessment.

<sup>6</sup> – DCCEEW currently not intending to allow these credits to be created as it is a SAIL (Principle 4) species.