



# Annual Report 2020-2021

Ginninderry Project

FINAL Version | 30 August 2021

Report Prepared for the Australian Government Pursuant to the Approval Conditions of the West Belconnen Strategic Assessment for the period of 1 July 2020 – 30 June 2021



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**Suburban Land**  
Agency

 Riverview  
Developments

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# List of abbreviations

Abbreviation	Definition
ACT	Australian Capital Territory
AMS	Adaptive Management Strategy
BAM	Biobanking Assessment Measures
BGW or Box-Gum Woodland	White Box – Yellow Box – Blakely's Red Gum Grassy Woodland and Derived Native Grassland
BoB	Bush on the Boundary (Ginninderry advisory group)
CEMP	Construction Environment Management Plan
CMTEDD	Chief Minister, Treasury and Economic Development Directorate
DA	Development application
EDP	Estate Development Plan
DAWE	Department of Agriculture, Water and the Environment
DPS	Defined process strategy
EIA	Environmental Impact Assessment
EPBC Act	Environment Protection and Biodiversity Conservation Act 1999 (Cwth)
EPSDD	Environment, Planning and Sustainable Development Directorate (formerly the Environment and Planning Directorate)
ESA	Emergency Services Agency
GAAG	Ginninderry Aboriginal Advisory Group
GCT	Ginninderry Conservation Trust
GCCMP	Ginninderry Conservation Corridor Management Plan 2018-2023
GJV	Ginninderry Joint Venture – the partnership between the ACT Government and Riverview Projects (ACT) to deliver the Ginninderry Development program
LEP	Local Environmental Plan
MNES	Matters of National Environmental Significance
NES Plan	Molonglo Valley Plan for the Protection of Matters of National Environmental Significance
NSW	New South Wales
NTG or Natural Temperate Grassland	Natural Temperate Grassland of the Southern Tablelands of NSW and the ACT
PCS	ACT Parks and Conservation Service
PDF	Planning and Design Framework
PTWL	Pink-Tailed Worm Lizard ( <i>Aprasia parapulchella</i> )

Abbreviation	Definition
RAO	Registered Aboriginal Organisation
RMP	Reserve Management Plan
SLA	Suburban Land Agency (formally the Land Development Agency)
TCCS	Transport Canberra and City Services (formally Territory and Municipal Services)

## 1. Introduction

This Annual Report is prepared in accordance with the commitments and outcomes of the West Belconnen Strategic Assessment and Endorsement ([2017](#)), including commitments related to establishing and managing the Ginninderry Conservation Corridor (including PTWL and Box-Gum Woodland offset commitments), cat containment in the Ginninderry suburban area and the establishment of Golden Sun Moth reserves. The information provided is directly assessed against the [EPBC Approval conditions](#), [Program Report](#) and the [Ginninderry Conservation Corridor Management Plan](#) for the 2020/2021 financial year. Performance against the EPBC Approval conditions is reported in Table 1 and performance against the Program Report is reported in Table 2.

The purpose of this Annual Report is to demonstrate Riverview Group (ACT) Pty Ltd, as the EPBC Act approval holder on behalf of the Ginninderry Joint Venture, is fulfilling the conservation outcomes required of the EPBC Act Strategic Assessment Approval. Despite the operating environment being affected by Covid19 restrictions, Riverview Group and the Ginninderry Conservation Trust are on-track to deliver the commitments outlined under the approval.

In the 2019-20 Annual report the below tables referred to the former descriptors as given in the Program Report i.e. West Belconnen Conservation Corridor and the Environmental Management Trust. These have now been changed within the text of below tables to reflect the establishment of the Ginninderry Conservation Corridor (GCC) and the Ginninderry Conservation Trust (GCT).

## 2. Background

The EPBC Act approval for the Ginninderry urban development program includes a raft of commitments to protect, enhance and offset the natural values in the locality. These commitments are largely implemented in 3 areas: the Ginninderry Conservation Corridor, the Ginninderry Urban Area, and the Gooromon Grasslands. The vast bulk of on-ground protection and enhancement works occur in the Ginninderry Conservation Corridor, guided by an approved Plan of Management, hence the emphasis on those works in this report.

The conditions of approval requiring conservation actions can be summarised as:

- The establishment of the Ginninderry Conservation Corridor and implementation of commitments for its protection and management as outlined in the Corridor Plan of Management and MNES offset plans;
- The establishment and funding of a Conservation Trust to oversee the management and implementation of the Plan of Management in the Corridor;
- The establishment of Golden Sun Moth reserves, related to the potential future Ginninderra Drive extension, and development of an offset plan for the moths;
- Preparation and adoption of a Ginninderry project-wide Construction Environment Management Plan for all construction works in the Corridor and Urban areas;
- Re-consideration and mapping of MNES matters in the corridor and construction areas to confirm accuracy of PTWL and NTG areas;
- Adoption of a Defined Process Strategy (DPS) to deal with new information about MNES and impacts on MNES within the Corridor (e.g. for trail implementation); and
- The implementation of cat containment in the urban areas as they are developed.

The relative responsibilities of different agencies (i.e. GCT, ACT Parks and Conservation, Riverview Projects (ACT) in delivering these commitments is clarified in the Program Report – Urban Development at West Belconnen, April 2017 (the Program Report), Corridor Plan of Management and Offset Plans.

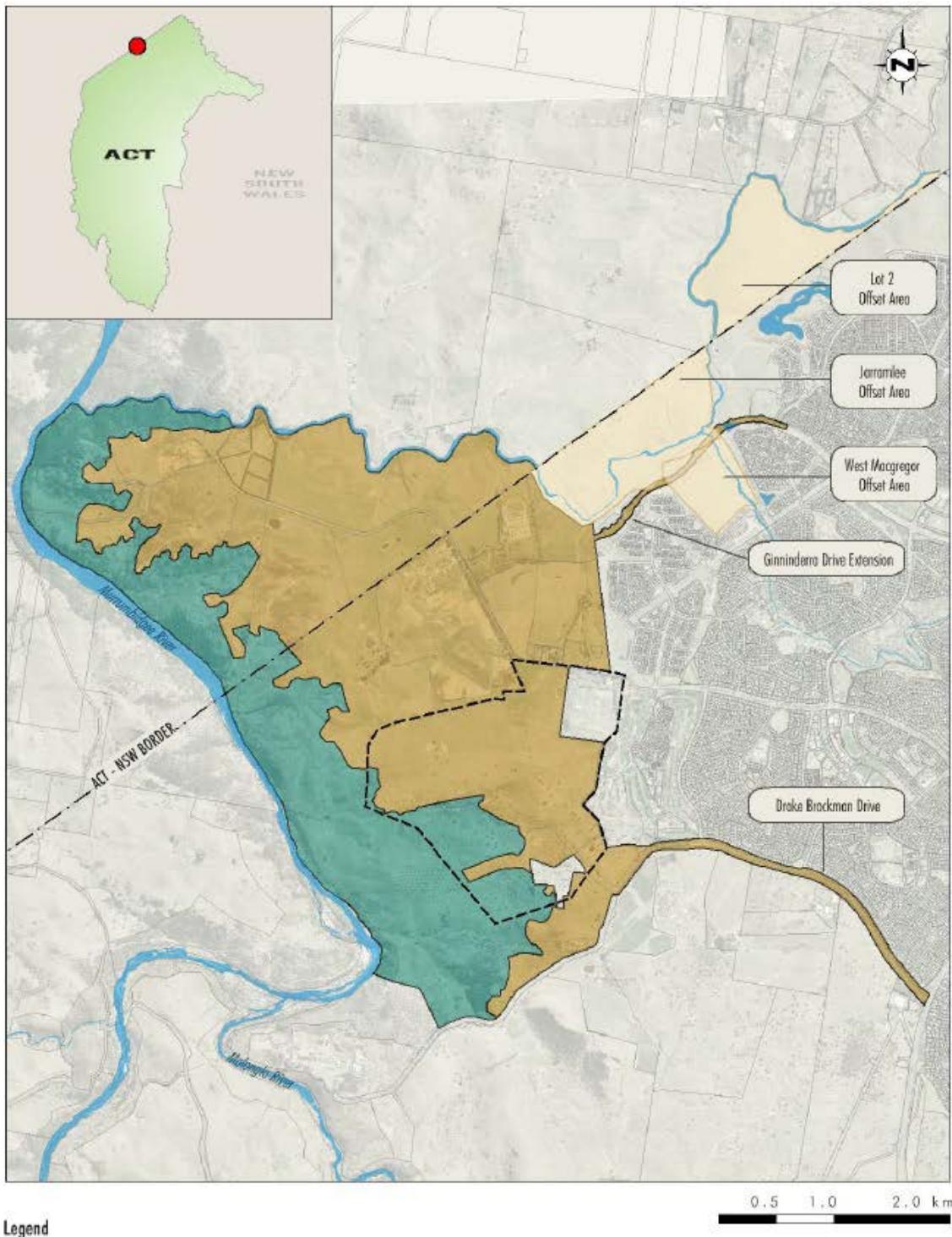
## 2.1. Development completed in 2020-21

The Ginninderry Project aims to deliver 300 dwellings to the market annually. The Development approval of the Strathnairn Estate Development Plan 1 (granted 31 July 2017) and Estate Development Plan 2 (granted 18 March 2019) provides for a total of 818 residential blocks including single dwelling and multi-unit blocks. Land release at Ginninderry as at 31 August 2021:

- Of the 316 blocks approved in Strathnairn EDP1, 309 have been released to the market and purchased. These blocks are current waiting for housing approvals, or are under constructions or now have residents moved in.
- There are 7 blocks in EDP1 which have not been released to the market for purchase
- Of the 502 blocks approved in Strathnairn EDP 2, 415 blocks have been released to the market and purchased.

There are 87 blocks in EDP2 which have not been released to the market for purchase. These blocks are current waiting for housing approvals, or are under constructions or now have residents moved in. **Development approval granted, beholden to the West Belconnen Strategic Assessment area not yet commenced:**

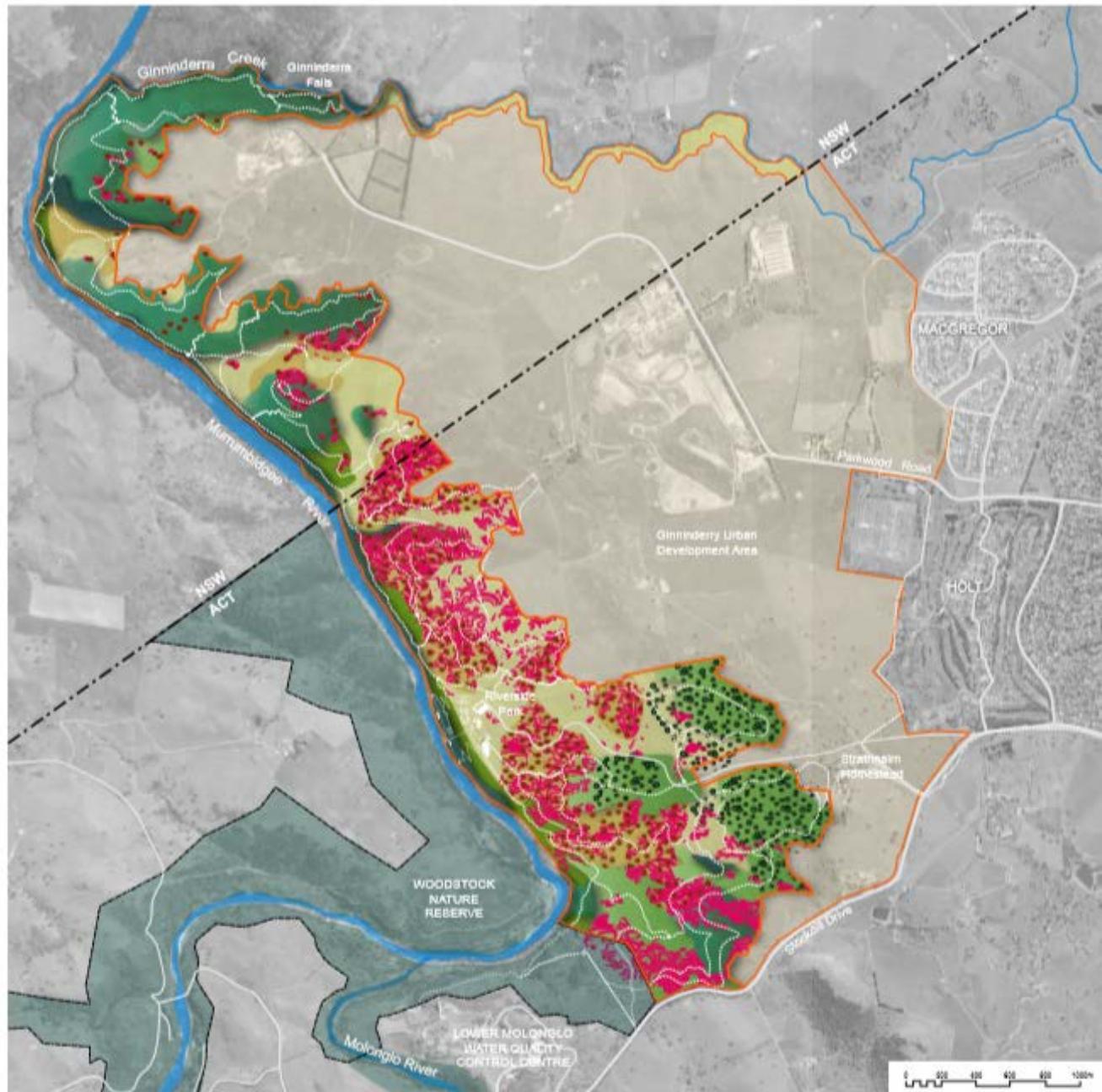
- Development approval was granted for the first stage of the Murrumbidgee Trunk Sewer on 21 May 2020 (DA20036796). When all three stages of the Murrumbidgee Trunk Sewer are completed, it will ultimately service over half of the future Ginninderry development.
- A temporary sewer pump station will be installed as part of the Macnamara EDP 1 civil works. This will provide an interim sewer solution for the next 5 years and delay the need to build the Murrumbidgee Trunk Sewer.
- Works have not yet commenced on the Murrumbidgee Trunk Sewer, and update will be provided in a future annual report.



#### Legend

- |                          |                                      |
|--------------------------|--------------------------------------|
| — — — ACT/NSW Border     | Urban Development Area               |
| ——— Cadastral Boundaries | West Belconnen Conservation Corridor |
| [- - -] West Molonglo    |                                      |

Figure 1: Ginninderry Project Area



#### LEGEND

Ginninderry Conservation Corridor boundary	Riparian Woodland	Habitat areas
Ginninderry Urban Development Area	Pasture Grass	Pink-tailed Worm Lizard Habitat areas
	Grasslands	Box Gum Woodland EEC areas
	Shrublands	Natural Temperate Grassland EEC areas
	Woodlands	
	Tableland & Open Forests	
		Features
		Tracks / Walking Trails
		Roads
		Riverside Park (Indicative)



Figure 2: Project Area and ecological habitats of the Conservation Corridor

## 2.2 Impacts and aligned offsets on MNES

The approved Program Report specifies offsets for impacts on MNES from any development within the West Belconnen Strategic Assessment. The following offsets apply:

### Golden Sun Moth

The Suburban Land Agency (ACT Government) has purchased Lot 2 Wallaroo Road with a total area of 86.8 ha. The site includes 11.9 ha of land currently occupied by GSM and a further 19.4 suitable for GSM (currently unoccupied). The Suburban Land Agency has purchased this land to use it as an environmental offset against the possible future impacts on 1.8 Ha of GSM habitat that will be caused by the proposed Ginninderra Drive extension. As the Ginninderra Drive extension is not planned to be built in the immediate future the GSM remains undisturbed. The Jarramlee and West McGregor sites have also been established pursuant to other EPBC Act approvals.

### Pink-Tailed Worm-Lizard

The Program Report states that there was 125.3 ha of high-quality/ suitable PTWL habitat committed in the endorsed Program Report but a total of 125.6 ha has actually been secured. Approval condition 11 required the resurveying of PTWL habitat within the ACT and NSW portions of the Corridor and Program area. Capital Ecology (2019) resurveyed the area and determined there is a total of 162.8 ha of PTWL habitat, comprising 152.1 ha of suitable habitat and 10.7 ha of low-quality habit within the Project area (Figure 3). The development area for Ginninderry has been designed to retain and conserve 146.4 ha of the mapped PTWL habitat within the Ginninderry Conservation Corridor, which is 21.1ha more than the original stated Program Report. The remaining 16.4 ha (10.2 ha of suitable habitat and 6.2 ha of low-quality habitat) is located within the development area.

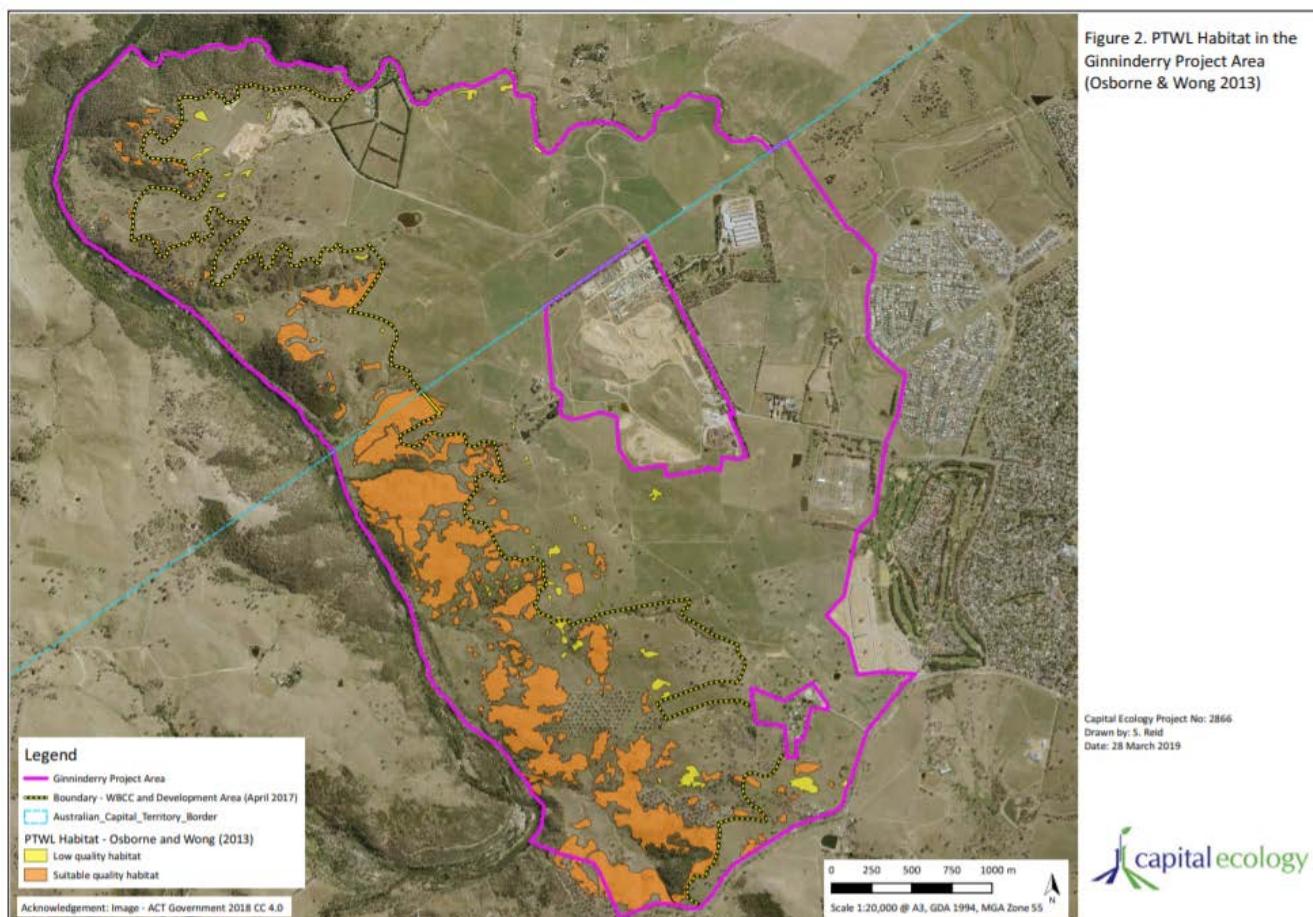


Figure 3: PTWL Habitat in the Ginninderry Project Area

## **Box Gum Woodland**

Targeted validation of vegetation boundaries was undertaken by Kevin Mills and Associates (KMA Ecological Studies West Belconnen Australian Report), 2014 in collaboration with ACT Government specialists, resulting in mapping a total of 72 ha of woodland community in the Project Area. This figure includes approximately 3.8 ha of vegetation assumed to be box gum woodland on the precautionary basis within the Drake Brockman Drive corridor and the remaining 68.2 ha associated with the West Molonglo components of the Project. As a consequence of this, the concept master plan for the urban area was developed in order to avoid all direct impacts to the West Molonglo Woodland community (as defined in the Molonglo Valley NES Plan discussed at Section 2.2).

## **Natural Temperate Grassland**

The original Program Report did not identify any Natural Temperate Grassland in the Corridor but the Approval required further survey work to be undertaken. In accordance with Condition 11 of the approval, two separate technical studies were commissioned (Robert Jessop Pty Ltd & SMEC 2017, SMEC 2017b). These studies were submitted to the Department of Environment and Energy. The Department subsequently provided the following clarification regarding Condition 11.

The purpose of Condition 11 is to capture any areas of NTG that were not identified at the time the original vegetation surveys were undertaken, reflecting changes in the definition of the listed ecological community. Noting that NTG supports PTWL, condition 11 also requires targeted surveys for PTWL to ensure any additional habitat is appropriately identified (both within the conservation corridor and development area) and if necessary offset any development impacts according to the DPS

Capital Ecology (2020) resurveyed the area and determined there is a total of 44.47 ha of grassland in the Conservation Corridor which meets the EPBC Act listing criteria for Natural Temperate Grassland of the South Eastern Highlands. The Capital Ecology 2020 work highlighted that there was no NTG in the development areas and all 44.47 Ha of identified NTG is being protected in the Corridor.

Macnamara Estate Development Plan 1 (the next suburban neighbourhood of Ginninderry) has been mapped for NTG. The Capital Ecology 2020 report can be accessed [here](#).

## **2.3 Program Review Report**

Riverview Projects (ACT) Pty Ltd is required to produce a Program Review Report every five years to evaluate and review the results of the ecological monitoring. The purpose of the Program Review Report is to summarise progress over the preceding five years in achieving the conservation gains as defined by the Program, referenced against the conservation outcomes and performance targets for MNES as outlined in Section 5 of the Approval. A five-year Program Review Report has yet to be undertaken, but will be commenced next year in line with Program approval, dated 01 September 2017. The Program Review Report will be submitted in 2022 within six months of the end of the reporting period (five years from endorsement of the Plan). The preparation of the Program Review Report will follow the preparation and submission of the Annual Report for that year to allow incorporation of its findings into the Plan review.

## **2.4 Independent Audit**

An independent audit will be undertaken in 2022 in accordance with the approval conditions, condition 17. The audit will be conducted by a person with appropriate scientific qualifications who is independent of the project. The auditor will be appointed by the Ginninderry Conservation Trust with advice from the ACT Conservator of Flora and Fauna and relevant NSW agencies. The audit will be completed within a timeframe that enables the results to inform the Program Review Report.

## **2.5 Defined Process Strategy**

The DPS will be triggered where development within the GCC will impact MNES. The DPS will trigger the assessment of impacts resulting from the proposed development using data collected from site-based, field verified surveys consistent with EPBC guidelines. It will also determine offset requirements and appropriate activities that can be offset within the GCC. The following table indicates activities that have triggered the DPS to-date. Offset works have yet to commence for the below works and the Trust will explore the potential offset activities as outlined in the Ginninderry Development Offset Management Plan.

Activity	Date of trigger	Location of disturbance	Environmental Impact Statement (EIS) approval date	MNES being impacted	Unavoidable residual impact on MNES (ha)	Offset area (ha)	Potential Offset activities (outlined in the Offset Management Plan)	Comments
Construction of the first track in the GCC.	26/07/2021	Strathnairn Residents Track largely located in the GCC, extending from Ginninderry urban development to the north-east and into Woodstock Nature Reserve to the south-west, adjacent to Stockdill drive.	24/10/2018	Box-Gum Woodland	0.24 ha	3.1 ha  Capital Ecology Report (2020)	<ul style="list-style-type: none"> <li>Promoting natural regeneration of woodland trees.</li> <li>Targeted planting of woodlands trees and shrubs</li> <li>Improving ground-cover diversity through planting forbs and grasses</li> <li>Placing woody debris</li> <li>Stabilising erosion</li> </ul>	Construction commenced in July 2021 and impacts and offsets for this will be reported in FY21/22. Trust staff are actively monitoring works and engaging with contractors.
Construction of the first track in the GCC.	26/07/2021	Strathnairn Residents Track, largely located in the GCC, extending from Ginninderry urban development to the north-east and into Woodstock Nature Reserve to the south-west, adjacent to Stockdill drive.	24/10/2018	Pink-tailed worm lizard habitat	0.18 ha	1.7 ha  Capital Ecology Report (2020)	<ul style="list-style-type: none"> <li>Creation of habitat through placement of rock</li> <li>Intensive weed control, targeted to significant threats</li> <li>Top soil stripping, rock placement and native groundcover establishment</li> </ul>	Construction commenced in July 2021 and impacts and offsets for this will be reported in FY21/22. Trust staff are actively monitoring works and engaging with contractors.

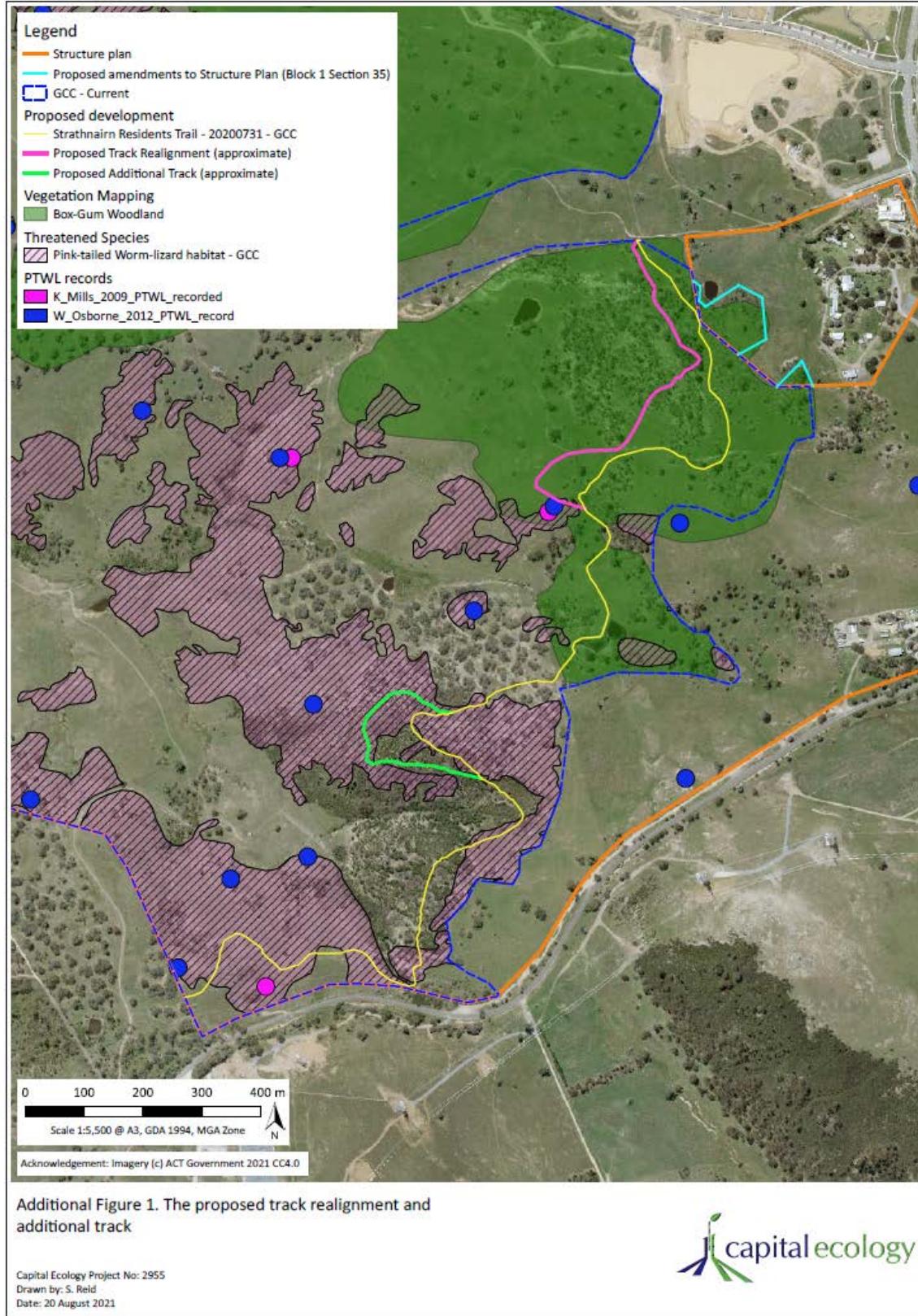


Figure 4: Strathnairn Residents Track



### 3. Performance by Outcome / Commitment

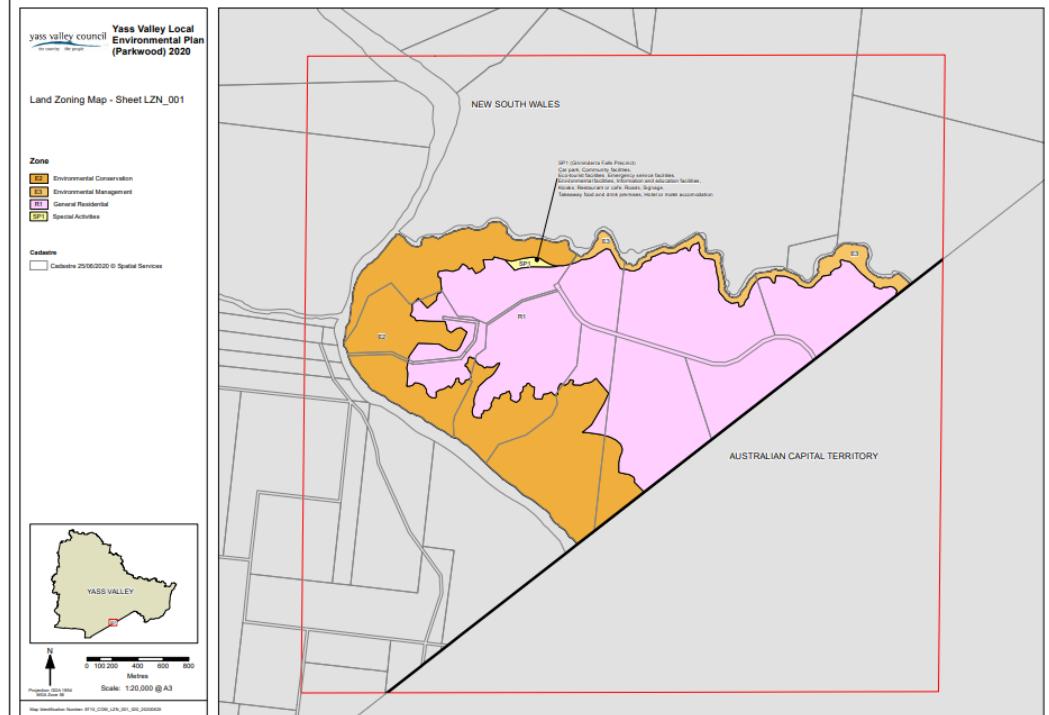
The September 2017 EBPC Act West Belconnen Approval sets out approval conditions in Annexure 1 (of the Approval). A direct extract of the EPBC conditions of approval is provided in Table 1 with a correlating response. Condition 3 of the EPBC West Belconnen approval requires the approval holder to ensure that the conservation outcomes specified in Section 5 of the Program Report are achieved. Section 3.2 Table 2 of this report sets out the conservation outcomes and response to each commitment.

#### 3.1. Table 1 - EPBC Act - West Belconnen Approval Conditions

	Conditions	Timing (Not started, Ongoing, Complete)	Comments (Met, Partially met, N/A)
1	The approval holder must ensure development actions at the West Belconnen site are undertaken in accordance with the endorsed Program - Urban Development at West Belconnen (AT Adams Consulting, April 2017).	Ongoing. An action required over the life of the program.	Partially met. Operations are being undertaken as per the endorsed Program Report - Urban Development at West Belconnen (AT Adams Consulting, April 2017).  The Joint Venture Board monitors the construction program.  The Board of the Conservation Trust monitors implementation and resourcing of commitments outlined in the Corridor Plan of Management.  This Annual Assessment report has been prepared to address EPBC approval conditions with the knowledge that addressing the West Belconnen EPBC Act approval conditions is an iterative process.  As the urban development at Ginninderry progresses, so will the action and response to conservation matters, to ensure the EPBC approval requirements are appropriately addressed and the approval is maintained.  The Program Report - Urban Development at West Belconnen (AT Adams Consulting, April 2017) can be accessed <a href="#">here</a> .
2	If the approval holder authorises, permits or requests another person to undertake any part of the action, the approval holder must take all reasonable steps to ensure that the other person:	Ongoing. An action required over the life of the program.	Partially met. Where the Joint Venture engages Civil Contractors to implement development activities, they are informed of the Construction Environment Management Plan (CEMP) requirements, and their CEMPs are approved by the GJV and audits are undertaken to ensure compliance is maintained.  CEMP Framework can be found <a href="#">here</a> .

	Conditions	Timing (Not started, Ongoing, Complete)	Comments (Met, Partially met, N/A)
	<p>Is informed of any condition attached to the approval that restricts or regulates the way in which that part of the action may be taken; and</p> <p>Complies with any such condition</p>		
3	The approval holder must ensure that the conservation outcomes specified in Section 5 of the Program are achieved.	Ongoing. An action required over the life of the program.	Partially met. See 3.2, table 2 - Outcomes and commitments for MNES and implementation progress.
4	The approval holder must ensure that the West Belconnen Conservation Corridor is established and encompasses a minimum of 549.9 hectares as shown in Figure 2 in the Program and including the habitat of listed threatened species and ecological communities identified in the Program as occurring within the West Belconnen Conservation Corridor.	Ongoing. An action required over the life of the program.	<p>Partially met. The staged implementation of the Corridor is underway in-line with the Program Report. The Project has identified 596 ha of land to be established as conservation corridor based off the ecological values of the area. The Territory Plan Variation 351 established the first 280 Ha as public land nature reserve with 242 ha currently managed by the Trust (ACT portion). In 2018 the Commonwealth accepted compliance with this condition enabling construction stages 2-10 (subject to other conditions being satisfied).</p> <p>Notification of compliance letter from the then DoEE (now DAWE) dated 13 September 2018 can be accessed <a href="#">here</a>.</p> <p>Other approval conditions related to the management priorities for the corridor (i.e. Plan of Management and Offset Plans) and the resourcing of the conservation program (i.e. establishment of the Trust) have both been completed.</p> <p>On 17 July 2020 the Yass Valley Local Environment Plan (Parkwood) 2020 (under the Environmental Planning and Assessment Act 1979) was officially adopted by the NSW Minister for Planning and Public Spaces.</p> <p>Control of the conservation corridor will be transferred to GCT in stages as the project development proceeds. The corridor transfer staging areas will be defined by catchment boundaries as described indicatively on Figure 10 of the <a href="#">Program Report</a>. Transfers will be timed to precede any construction on adjacent development zones occurring that would affect the catchment or catchments contained within each transfer stage area.</p>

	Conditions	Timing (Not started, Ongoing, Complete)	Comments (Met, Partially met, N/A)
5	Within six months prior to the commencement of construction in the ACT portion of the site, the land within the ACT portion of the West Belconnen Conservation Corridor boundary is to be either rezoned as outlined in Section 3.6 of the Program or must be secured for conservation in perpetuity through a legally binding mechanism approved by the Department. For the NSW portion of the West Belconnen Conservation Corridor the approval holder must secure the land for conservation in perpetuity through a legally binding mechanism approved by the Department within two years of endorsement of the Program. The West Belconnen Conservation Corridor Reserve Management Plan of condition 8 will not be endorsed and approved until the land has been rezoned or secured.	Ongoing. An action required over the life of the program.	<p>Partially met. Notification of compliance letter from the then DoEE (now DAWE) dated 13 September 2018 can be accessed <a href="#">here</a>.</p> <p>The staged implementation of the Corridor is underway per the Program Report, Territory Plan Variation 351 established the first 280 Ha areas as public land nature reserve. In 2018 the Commonwealth accepted compliance with this condition enabling construction stages 2-10 (subject to other conditions being satisfied).</p> <p>The Land Use Change which gave effect to establishing and enlarging the River Corridor occurred on 23 October 2015 when the ACT Rezoning was approved. The securing and expansion of the Conservation Corridor in the ACT part of the Corridor, acquires the obligations under the Approval Conditions 4 &amp; 5 as they pertain to the ACT portion of the Corridor, in accordance with the staged approach outlined in the Program Report.</p> <p>Rezoning of the NSW, Yass Valley Local Environment (Parkwood) 2020 came into effect on 14 July 2021. The rezoning has secured the Ginninderry Conservation Corridor in NSW through the E2 – Environmental Conservation zoning.</p>

	Conditions	Timing (Not started, Ongoing, Complete)	Comments (Met, Partially met, N/A)
			 <p>Figure 5: LEP Land Zoning Map</p> <p>See 3.2, table 2 - Outcomes and commitments for MNES attached to Approval.</p>
6	The approval holder must ensure the Environment Management Trust is established through a trust deed in accordance with the endorsed Program within two years from the date of endorsement of the Program and prior to commencement of construction (in all areas other	Complete. No further action required.	Met. The Ginninderry Conservation Trust was operationally established in November 2019 which is within 2 years from the endorsed program. Minister Gentleman provided approval for the ACT component on the 03/01/2019 and the ACT Conservator (NSW component) gave endorsement on the 19/11/2018.

	Conditions	Timing (Not started, Ongoing, Complete)	Comments (Met, Partially met, N/A)
	than the area marked as stage 1 in Figure 4 of the Program Report).		ACT Government and Riverview Projects have confirmed their financial commitments. As the urban development progresses the Conservation corridor will be extended in line with Figure 4 of the Program Report ( <a href="#">Page 10</a> ).
7	Prior to the commencement of construction of the Ginninderra Drive extension, the approval holder must ensure that Golden Sun Moth Conservation Reserves are established for Jaramlee (52 ha) and West Macgregor (37 ha) and Lot 2 Wallaroo Road (86.8 ha) to offset impacts to Golden Sun Moth (GSM).	Complete	Met. Reserves have been established and an over-arching Gooromon Grasslands Offset Management Plan established (2019). The plan has been approved by Minister Gentleman and with engagement with the Commonwealth, ACT and NSW Governments. As the land custodian, the Suburban Land Agency has outsourced the management of the land to ACT Parks and Conservation Services. The Gooromon Grassland Offset Management Plan details the management obligations over Lot 2.
8	The approval holder must prepare the West Belconnen Conservation Corridor Reserve Management Plan to achieve at a minimum, the conservation outcomes as outlined in Section 5 of the Program. The plan must be prepared in consultation with the Department (regarding Protected Matters), NSW Office of Environment and Heritage (NSW portion of the site), endorsed by the ACT Conservator (for both the ACT and NSW portion of the site) and approved by the ACT Minister for the Environment (ACT portion). Endorsement and approval of the plan must be obtained within two years from the date of endorsement of the Program. The endorsed and approved plan must provide for an approved Offset Management Plan required under condition 9 to be appended. Construction (for all areas other than the area marked as stage 1 in the Program, Figure 4) cannot commence before the plan is endorsed and approved. The endorsed and approved plan or a later endorsed and approved plan must be implemented and made available to the public for the life of the Program.	Complete. No further action required.	Met. The Ginninderry Conservation Corridor Management Plan (with appended Offset Management Plans and Construction Environmental Management Plan) has been developed with inputs from Bush on the Boundary participants, Commonwealth Government, NSW Government and ACT Government. The Plan has been endorsed by the ACT Conservator (19 November 2018) and approved by the ACT Environment Minister (3 January 2019).  Conservator endorsement can be accessed <a href="#">here</a> .  Minister Approval can be accessed <a href="#">here</a> .  When the broader Murrumbidgee River Corridor Plan of Management (managed by the ACT Gov) is updated, the approved Ginninderry Conservation Corridor Management Plan will be recognised and upgraded to a statutory plan consistent with the rest of the Murrumbidgee River Corridor Plan.

	Conditions	Timing (Not started, Ongoing, Complete)	Comments (Met, Partially met, N/A)
9	<p>The approval holder must prepare the Offset Management Plan to address the preservation and enhancement of offset areas, including the Golden Sun Moth Conservation Reserves required under condition 7, and to achieve at a minimum the conservation outcomes as outlined in Section 5 of the Program. The plan must be prepared in consultation with the Department (regarding Protected Matters), NSW Office of Environment and Heritage (regarding NSW portion of the site), endorsed by the ACT Conservator (for both the ACT and NSW portion of the site) and approved by the ACT Minister for the Environment (ACT portion). Endorsement and approval of the plan must be obtained within two years from the date of endorsement of the Program.</p> <p>Construction cannot commence before the plan is endorsed and approved (for all areas other than the area marked as stage 1 in the Program, Figure 4). The approved Offset Management Plan must be appended to the West Belconnen Conservation Corridor Reserve Management Plan required under Condition 8. The endorsed and approved plan or a later endorsed and approved plan must be implemented and made available to the public for the life of the Program.</p>	Complete. No further action required.	<p>Met. Offset Plans for the Golden Sun Moth (Gooromon Grasslands), Pink-tailed Worm-lizard and Box Gum Woodland have been developed with inputs from Bush on the Boundary Advisory Group (formed by the Conservation Council to assist the Ginninderry development in advice of heritage values throughout the Ginninderry development), Commonwealth Government, NSW Government and ACT Government. The Plans have been endorsed by the ACT Conservator (19 November 2018) and approved by the ACT Environment Minister (3 January 2019).</p> <p>Conservator endorsement can be accessed <a href="#">here</a>.</p> <p>Minister Approval can be accessed <a href="#">here</a>.</p> <p>The approved <a href="#">Offset Management Plan</a> has been appended to the Ginninderry Conservation Corridor Management Plan. The endorsed and approved plan has been implemented and made available to the public on the Ginninderry website via the reports library.</p> <p>As the urban development progresses the Conservation corridor 303 Licence agreement will be extended in line with Figure 4 of the Program Report (<a href="#">Page 10</a>). The 303 licence under the ACT's Planning and Development Act 2007 will provide the necessary tenure security over the 5-10 year time horizon.</p>
10	<p>Prior to the commencement of construction (in all areas other than the area marked as stage 1 in the Program, Figure 4), the approval holder must prepare a Construction Environmental Management Plan (CEMP) to mitigate impacts that may occur throughout the construction phase of the Program. The CEMP must include measures outlined in the Program. The plan must</p>	Prior to the commencement of construction Complete	<p>Met. The Ginninderry Development Construction Environmental Management Plan (CEMP) prepared by SMEC (12/10/2018) for the program (corridor and urban areas) has been developed with inputs for Commonwealth Government, NSW Government and ACT Government. The Plan has been endorsed by the ACT Conservator (19 November 2018) and approved by the ACT Environment Minister (3 January 2019). The CEMP framework is now being provided to contractors undertaking construction works.</p>

	Conditions	Timing (Not started, Ongoing, Complete)	Comments (Met, Partially met, N/A)
	be prepared in consultation with the Department (regarding Protected Matters), NSW Office of Environment and Heritage (regarding NSW portion of the site), endorsed by the ACT Conservator (for both the ACT and NSW portion of the site) and approved by the ACT Minister for the Environment (ACT portion). The endorsed and approved plan or a later endorsed and approved plan must be implemented and made available to the public for the life of the Program.		<p>Each Civil contractor must prepare a CEMP which must comply with the SMEC CEMP. The Superintendent oversees the approvals and management plans including signing off on each contractor CEMP.</p> <p>The approved <a href="#">CEMP</a> has been implemented and made available to the public on the Ginninderry website via the reports library.</p> <p>Conservator endorsement can be accessed <a href="#">here</a>.</p> <p>Minister Approval can be accessed <a href="#">here</a>.</p>
11	Prior to the commencement of construction (in all areas other than the area marked as stage 1 in the Program Figure 4) and within 12 months before or within 12 months after endorsement of the Program by the Department, the approval holder must engage a suitably qualified expert to survey the West Belconnen site for Pink-tailed Worm Lizard and Natural Temperate Grassland of the South Eastern Highlands in accordance with the survey guidelines. The results of surveys must be submitted to the Department for acceptance within 6 months of the completion of the survey. The accepted report must be made available to the public prior to the commencement of construction.	Prior to the commencement of construction  Complete	<p>Met. During spring 2017 Riverview commissioned two separate studies in accordance with Condition 11. These studies were submitted to the then DoEE (now DAWE) and were accepted. Capital Ecology provided a Statement of Compliance against Approval Condition 11 which can be accessed <a href="#">here</a>.</p> <p>Additional surveys for NTG and PTWL have been undertaken by Capital Ecology (2018, 2019 &amp; 2020) who have provided an overarching summary report.</p> <p>The accepted reports have been made available to the public on the Ginninderry website via the reports library, see blow.</p> <p>SMEC Report - Assessment of mapped pink-tailed worm lizard habitat within Ginninderry for potential to meet criteria for classification as natural temperate grassland, 2017 can be accessed <a href="#">here</a>.</p> <p>SMEC Report – West Belconnen Vegetation Survey Summary, 2017 can be accessed <a href="#">here</a></p> <p>Capital Ecology Report - Ginninderry - Pink-tailed Worm-lizard survey and habitat mapping, 2018 can be accessed <a href="#">here</a>.</p> <p>Capital Ecology Report - Ginninderry – Pink-tailed Worm-Lizard survey and habitat mapping of NSW land 2019 can be accessed <a href="#">here</a>.</p> <p>Capital Ecology Report – The extent and condition of Natural Temperate Grassland of the South Eastern Highlands in the Ginninderry project area, 2020 can be accessed <a href="#">here</a>.</p>

	Conditions	Timing (Not started, Ongoing, Complete)	Comments (Met, Partially met, N/A)
12	The approval holder must consult the Department prior to taking an action when the Defined Process Strategy is triggered. The approval holder must provide the Department with any information requested on the action or proposed conservation outcomes and must implement any modification to the way the action is undertaken as requested by the Department to achieve the conservation outcomes specified in Section 5 of the Program.	Ongoing. An action required over the life of the program.	<p>Partially met. The additional surveys undertaken under Condition 11 by Capital Ecology have confirmed that patches of PTWL in the urban development program area are now not considered Natural Temperate Grassland (Capital Ecology, 2019).</p> <p>Prior to ACT Planning approval development within the Conservation Corridor that trigger the DPS, DAWE are consulted on the proposed works including the ecological strategy proposed.</p> <p>The DPS is triggered when physical works have commenced. Proposed development in the Conservation Corridor with an appropriate planning approval has not triggered the DPS where physical works have not commenced.</p> <p>The first track or Strathnairn Residents track has triggered the DPS and has been consider by the Commonwealth. A development approval is in place for these works. Physical works for the track commenced on the 26/07/2021 and construction completion is anticipated in November 2021.</p>
13	The approval holder must ensure that a cat containment policy (enduring in perpetuity), is established, implemented, monitored and maintained across the West Belconnen site. Results of monitoring must be reported in the Annual Report and reviewed as part of the five yearly Program Review Report to ensure ongoing protection of listed threatened species and ecological communities from domestic predators.	Ongoing. An action required over the life of the program.	<p>Partially met. Cat containment has been declared for the suburbs of Strathnairn and Macnamara. Riverview has been working with EPSDD and the RSPCA to inform residents on what to do and who to contact in the event they see a cat. Residents will be key to ensuring cats are monitored in the area. As the development progresses cat containment will be declared in the next stages.</p> <p>Monitoring of cats is being undertaken by Trust staff. Results of monitoring have identified that cat containment is being adhered to in the suburbs. Monitoring cameras have also been deployed in the Corridor and have captured two cats on camera. These cats have not been caught. Further monitoring is being undertaken in the areas where cats have been identified. At this stage the cat numbers recorded do not pose as a significant risk to the Conservation Corridor. Should cat populations increase in the corridor further action will be undertaken.</p>
14	Within ten days after the commencement of the action, the approval holder must advise the Department in writing of the actual date of commencement.	Complete	Met. The Approval Holder notified the Department on 21st August 2019 that construction of Strathnairn, Estate Development Plan 1 had commenced consistent with the Notice of Decision approval (DA201731203).

	Conditions	Timing (Not started, Ongoing, Complete)	Comments (Met, Partially met, N/A)
15	The approval holder must maintain accurate records substantiating all activities associated with or relevant to the conditions of approval, including measures taken to implement the management plans required by this approval, and make them available upon request to the Department. Such records may be subject to audit by the Department or an independent auditor in accordance with section 458 of the EPBC Act, or used to verify compliance with the conditions of approval. Summaries of audits will be posted on the Department's website. The results of audits may also be publicised through the general media.	Complete. No further action required.	<p>Met. The Ginninderry Conservation Corridor Management Plan has been developed with inputs from Bush on the Boundary participants, Commonwealth Government, NSW Government and ACT Government. The Plan have been endorsed by the ACT Conservator (19 November 2018) and approved by the Minister (3 January 2019).</p> <p>All relevant documents are accessible through <a href="#">here</a>.</p> <p>The Trust is maininting acurate records of activities undertaken through the use of ArcGIS software. ArcGIS has been deployed to assist with data collection across the Corridor, including weeds, animal sightings (feral and native), native plants, incidentals. Xero software has been engaged for book-keeping, employment management and project management</p>
16	Within two months of the end of each financial year after the commencement of the action, the approval holder must submit an Annual Report to the Department addressing compliance with the conditions of this approval over the previous 12 months, including implementation of any management plans as specified in the conditions. The Annual Report must contain at a minimum the requirements outlined in Section 7.1.1 of the Program. Noncompliance with any of the conditions of this approval must be reported to the Department as soon as the approval holder is aware of the breach and the non-compliance must be reported in the Annual Report. The report must be made available to the public.	Every financial year (within 2 months of the end of the financial year).	Partially met. Annual report submitted. A copy of the Auditors report will be provided to the Commonwealth and published online once the auditors have signed off on the accounts.
17	Every five years and within six months from the date of endorsement of the Program, the approval holder must prepare a Program Review Report. The Program Review Report will summarise progress over the preceding five	Every five years and within six months from the date of	N/A. A five-year Program Review Report has yet to be undertaken and will be conducted in 2022. A Program Review Report will be prepared within the required timeframe and independently audited as required.

	Conditions	Timing (Not started, Ongoing, Complete)	Comments (Met, Partially met, N/A)
	years in achieving the conservation gains as defined by the Program, referenced against the conservation outcomes in Section 5 of the Program. The preparation of the Program Review Report will follow the preparation and submission of the Annual Report for that year to allow incorporation of its findings. The Program Review Report will be submitted to the NSW Office of Environment and Heritage for review prior to being submitted to the ACT Conservator of Flora and Fauna for endorsement. The finalised report will be submitted to the Department and made available to the public.	endorsement of the Program.	
18	Every five years or upon direction of the Minister, the approval holder must ensure that an independent audit is conducted to verify the outcomes being reported in the Annual Report and the Program Review Report. The independent auditor must be appointed by the Environmental Management Trust in consultation with the ACT Conservator of Flora and Fauna and NSW Office of Environment and Heritage. The independent audit must be completed within a timeframe that enables the results to inform the Program Review Report. The audit report must be submitted to the Department and made available to the public.	Every five years or upon direction of the Minister.	N/A. The audit will be conducted by a person with appropriate scientific qualifications who is independent of the project. The auditor will be appointed by GCT with advice from the ACT Conservator of Flora and Fauna and relevant NSW agencies. The audit will be completed within a timeframe that enables the results to inform the Program Review Report.
19	If, at any time after five years from the date of this approval, the approval holder has not substantially commenced the action, then the approval holder must not substantially commence the action without the written agreement of the Minister.	Complete	Met. Action commenced in August 2019.

	Conditions	Timing (Not started, Ongoing, Complete)	Comments (Met, Partially met, N/A)
20	Unless otherwise agreed to in writing by the Minister, the approval holder must publish all management plans and reports referred to in these conditions of approval on their website. Each management plan and report must be published on the website within 1 month of being endorsed and approved.	Complete	Met. Management Plans are available on the Ginninderry Website.  Documents can be found <a href="#">here</a> .

\*Note: West Belconnen Conservation Corridor (WBCC) was previously referred to as the Environmental Management Trust. This is now known as the Ginninderry Conservation Corridor (GCC) and the Ginninderry Conservation Trust (GCT). The new terminology is now reflected in the below table.

The following table contains extracts from the relevant approval documents related to the Ginninderry Conservation Corridor and indicate the sections of the Ginninderry Conservation Corridor Management Plan where each requirement is addressed.

Conservation outcomes	Action	Responsibility	Timing	Comments	Where it is addressed in the Ginninderry Conservation Corridor Plan of Management
<b>Previously unidentified MNES</b>					
Protection of Matters of National Environmental Significance that are identified in	1	Prior to development of GCC infrastructure, site surveys of threatened flora and fauna species will be conducted and populations of threatened flora and fauna species will be avoided	Riverview Group  Environmental Management Trust	Ongoing. An action required over the life of the program.  The survey of PTWL and NTG will occur within 12 months of Ministerial	Partially met. PTWL surveying was undertaken in 2018/19 Capital Ecology Report 2018 can be accessed <a href="#">here</a> .  Capital Ecology Report 2019 can be accessed <a href="#">here</a> .  Sections 4.4.4, 5.5 and 6.1.3.  Action VN 4

pre-construction surveys for permitted construction work in the GCC		or impacts managed in accord with the Reserve Management Plan (RMP) and EPBC Act.		endorsement of the Program and will be made public.	NTG surveying was undertaken 2020. Capital Ecology report can be accessed <a href="#">here</a> .	
<b>Golden Sun Moth</b>						
Protection and enhancement of habitat whilst allowing for the intrusion of the Ginninderra drive alignment. (refer to (ACT Government, 2013) (David Hogg Pty Ltd, 2011)	2	Vary the Territory Plan to establish conservation reserves at the Jarramlee and West Macgregor offset areas, with provision for Ginninderra Drive	Riverview Group	Prior to commencement of construction of Ginninderra Drive extension	<p>Met. The Suburban Land Agency (SLA) purchased Lot 2 Wallaroo Road in 2015, to facilitate the Ginninderry Joint Venture GSM offset requirements</p> <p>Extension to Ginninderra Drive has not yet commenced and is not expected to commence for another 15 – 20 years. Therefore, no current action is required.</p>	Section 1.3, 4.1.9 Action ER1
Mitigation of the impact of Ginninderra Drive extension on GSM habitat in Jarramlee and West Macgregor offset areas	3	<p>ACT Government to Purchase Lot 2 Wallaroo Road (86.8 Ha) from the Commonwealth catering for the following components:</p> <p>1.8 Ha as replacement of impacted areas of occupied GSM habitat,</p> <p>11.9 Ha of occupied GSM habitat, 19.4 Ha of unoccupied GSM habitat, and,</p>	Economic Development Directorate	<p>Land purchase prior to commencement of construction of infrastructure to service the residential estate, habitat restoration prior to commencement of construction of Ginninderra Drive extension</p>	<p>Met. Lot 2 Wallaroo Road is now owned by SLA.</p> <p>Extension to Ginninderra Drive has not yet commenced and is not expected to commence for another 15 – 20 years. Therefore, no current action required.</p>	Section 1.3, 4.1.9 Action ER1

		Implementation of GSM habitat restoration as a connectivity measure between Jarramlee and Dunlop Grasslands Reserve.				
	4	<p>Apply a conservation covenant requiring the long term protection and enhancement of GSM habitat on lot 2 Wallaroo Road.</p> <p>Whilst the covenant will provide long term protection for the Wallaroo Rd offset area, further investigations should occur for the potential to rezone the land to E3 Environmental Management.</p>	Riverview Group to request Yass Valley Council to implement the statutory covenant.	To be implemented concurrently with the amendment to the Yass Valley LEP.	<p>Partially met. A conservation covenant requiring the long-term protection and enhancement of GSM habitat on Lot 2 Wallaroo road has not yet been implemented. Based on subsequent advice from the Office of Environment and Heritage now known as the Environment, Energy and Sustainability group in accordance with changes in legislation to BAM, a Biobanking Stewardship agreement is now the preferred mechanism. Not yet commenced as the timing of the extension to Ginninderra Drive has not been decided.</p> <p>The SLA will fund land management activities within Lot 2 Wallaroo Road site as the total offset requirements for Lot 2 Wallaroo Road are confirmed. As detailed above, the establishment of the BSA over Lot 2 will not generate funds for the conservation of the land. No offset requirements have been triggered (ACT Gov, 2018).</p>	
	5	<p>Prepare a combined offset management plan (OMP) addressing the preservation and enhancement of GSM habitat in Jarramlee and West Macgregor offset areas and Lot 2.</p> <p>Actions in the OMP to include research and trials for golden sun moth larvae translocation.</p>	Riverview Group to prepare first draft.  Environmental Management Trust to seek approval and implement the plan.	<p>Plan to be finalised within 2 years of Ministerial endorsement of the Program, reviewed at intervals of no more than five years thereafter.</p> <p>GSM habitat area increase to be achieved prior to construction of Ginninderra Drive extension</p>	<p>Met. The Gooromon Grasslands Management Plan and Offset Plan is in place and has been approved by the ACT Environment Minister (3 January 2019) and Conservator (19 November 2018).</p> <p>Partially met: ACT Parks and Conservation and the Ginninderry Conservation Trust have agreed that the Parks and Conservation Service is best-placed to manage the Gooromon Grasslands reserves due to their proximity and coordination of other EPBC approval conditions implementation at Jarramlee and West Macgregor.</p>	

		<p>Incorporate the management plan into the GCC RMP.</p> <p>Lot 2 GSM habitat area to be increased from current 11.9 Ha to 33.1 Ha.</p>	<p>Plan to be endorsed by the ACT Conservator and approved by the Minister for the Environment (ACT component) and endorsed by the ACT Conservator of Flora and Fauna (NSW component) in consultation with the NSW Office of Environment and Heritage</p>		<p>Conditions are part of the West Belconnen Strategic Assessment.</p> <p>Planning for the research and trials of GSM larvae translocation has been paused until future works for the extention of Ginninderra Drive have been confirmed.</p> <p>Riverview Projects (ACT) will retain the reporting obligations and securing resources to implement the restoration program for Lot 2 Wallaroo Road should the decision to extend Ginninderra Drive be made.</p>	
Establishment of a governance regime for reserve land (Macgregor, Jarramlee and Lot 2).	6	Establish a West Belconnen Environmental Management Trust (EMT).	Riverview Group	<p>Within 2 years of Ministerial endorsement of the Program and prior to construction of Ginninderra Drive extension.</p>	<p>Met. Parks and Conservation are the current and existing land managers.</p> <p>See response to Condition 5 above regarding the current preferences for streamlined and efficient management of the GSM reserves.</p>	
Implementation of program for research and	7	Research and trials to be undertaken to assist habitat restoration and golden sun moth larvae translocation	Environmental Management Trust	<p>Research programs and trials to begin with the commencement of the OMP plus 5 years.</p>	<p>N/A. Planning for the research and trials of GSM larvae translocation with ANU has paused until future works have been confirmed. Extension to Ginninderra Drive has not yet commenced and is not expected to commence</p>	

trials for the translocation of golden sun moth larvae					for another 15 – 20 years. Therefore, no current action required.	
Restoration of GSM habitat	8	<p>Restore habitat area into which golden sun moth larvae will be translocated, subject to concurrence by the EMT that sufficient evidence exists to ensure a successful outcome.</p> <p>May include further translocation trials of golden sun moth subject to consultation with the Conservator of Flora and Fauna and approval by the Department of the Environment.</p> <p>Restoration may also include stream bank restoration from the Murrumbidgee River along Ginninderra Creek and along Gooromon Ponds Creek up to Wallaroo Road to improve linkages along the riparian areas.</p>	<p>Environmental Management Trust</p> <p>Restoration area should be a site of importance to landscape connectivity determined in conjunction with the ACT Environment and Planning Directorate.</p>	<p>Completion of restoration and then monitored for 15 years.</p>	<p>N/A. Extension to Ginninderra Drive has not yet commenced and is not expected to commence for another 15 – 20 years. Therefore, no current action required.</p>	
Translocation of GSM larvae from sites that will be impacted by construction of the Ginninderra Drive extension	9	Translocate GSM larvae from sites that will be impacted by construction of the Ginninderra Drive extension to suitable habitat restoration sites at lot 2 Wallaroo Road using method as refined through the program of research and trials.	<p>Environmental Management Trust</p> <p>Translocation research should build on existing knowledge and</p>	<p>Approval of the OMP plus 20 years, and prior to the construction of Ginninderra Drive extension.</p>	<p>N/A. Extension to Ginninderra Drive has not yet commenced and is not expected to commence for another 15 – 20 years. Therefore, no current action required.</p>	

			trials, undertaken elsewhere in the ACT			
Ongoing monitoring of impacts on habitat	10	Adopt field data recorded by Rowell (Rowell A., 2015) as baseline data and ensure that monitoring methods are consistent with those used to measure GSM population and habitat quality and extent across the ACT.	Environmental Management Trust  Monitoring to be timed so that it is consistent with GSM monitoring across the ACT	Every two years from date of endorsement.  Monitoring period to be reviewed if impacts have stabilised.	Met. Field data recorded by Rowell (2015) has been adopted as the baseline data.  Targeted surveys for GSM and its required habitat have been conducted throughout the Project Area (Rowell 2013 and 2015), the Jarramlee offset (Biosis, 2015; ACT Gov't 2013).  The ACT Government resurveyed the site in 2019.	
Establishment of a process of independent third party review of RMP	11	Prepare an annual report addressing MNES outcomes achieved in the previous year; lessons learned; include a financial audit; report to be made publicly available.  Report to be submitted to the ACT Conservator of Flora and Fauna.	Environmental Management Trust.	Within 2 months of the end of each financial year	Partially met. Annual report submitted. A copy of the Auditors report will be provided to the Commonwealth and published online once the auditors have signed off on the accounts.	
<b>Box Gum Woodland</b>						
A conservation area that includes 100% of identified box gum woodland (68.2 Ha) in	12	Vary the Territory Plan, amend the National Capital Plan for all proposed land use changes	Riverview Group to obtain relevant rezoning and	Zoning to be in place prior to commencement of construction in ACT.	Met. The ACT Government amended the Territory Plan (23 October 2015). Territory Plan variation 351 established the first 280 Ha as public land nature reserve. <a href="#">Link to TPV 351</a> .	Management of Box-Gum Woodland is provided in section 5.1.3.

conservation area.		related approvals		The Commonwealth Government concurrently amended the National Capital Plan to reflect the creation of a conservation corridor along the Murrumbidgee River and the Ginninderra Creek encompassing an area of box gum woodland.  68.2 ha of BGW is protected within the Conservation Corridor as per the Program Report. Mapping undertaken by Capital Ecology in March/April 2021 will provide updated information on the total amount of BGW secured in the Corridor and will reconcile the realignment of Block 1 Section 35 Strathnairn. These two parcels of BGW (1.02 ha) are in the processes of being handed to the Trust for management and are currently being fenced off to reflect the new boundary alignment. The new mapping data from Capital Ecology will be provided in the FY21/22 reporting period.	
Preservation and enhancement of woodland habitats.  Actual hectares will be used in area measurements.	13	Manage activities in the GCC in accordance with a Reserve Management Plan.  A Reserve Management Plan is a statutory document under the provisions of the Nature Conservation Act. It will need to be determined whether to do a RMP over that area of land not already covered by the Murrumbidgee River Corridor Plan of Management, or whether one plan will be produced for the entire corridor.	Riverview Group to prepare first draft RMP.  Environmental Management Trust to seek approval and implement the plan.  Plan to be approved by the ACT Conservator and Minister for the	Plan to be finalised within 2 years of Ministerial endorsement of MNES plan, reviewed at intervals of no more than five years thereafter.  When the broader Murrumbidgee River Corridor Plan of Management (managed by the ACT Gov) is updated, the approved Ginninderry Conservation Corridor Management Plan will be recognised and upgraded to a statutory plan consistent with the rest of the Murrumbidgee River Corridor Plan.	Partially met. Activities in the GCC are being managed in accordance with the Management Plan (September 2018) and will continue to do so when the Trust takes on the next stages of the Corridor.  The development and approval processes for the Reserve Management Plan are described in section 1.3.

			Environment (ACT component) and endorsed by the ACT Conservator (NSW component) in consultation with the NSW Office of Environment and Heritage			
Establishment of a land management governance regime.	14	Establish a West Belconnen Environmental Management Trust (EMT)	Riverview Group	Within 2 years of Ministerial endorsement of the MNES plan and prior to commencement of construction.	<p>Met. Now known as the Ginninderry Conservation Trust. The GCT was operationalised in November 2019.</p> <p>The ACT Government and the GCT entered into a Section 303 Licence, 12 March 2020</p> <p>This 303 licence was issued for the purpose that the land is to be used to enhance, protect and manage the GCC in accordance with the Management Plan and any revisions, updates or changes to it that may occur from time to time.</p>	Section 1.3
Maintenance and enhancement of connectivity between box gum woodland habitat areas.  No appreciable long term net reduction in total	15	All works that may affect box gum woodland to be informed by relevant scientific expert advice and:-  Roads and tracks to follow existing alignments where feasible and incorporate appropriate design techniques such as raised grating	Environmental Management Trust	Ongoing. An action required over the life of the program.	<p>Partially met. Construction has commenced on the first track through the Corridor. The DPS was triggered and all works that impact BGW are being informed by relevant expert advice. The Ginninderry Development Offset Plan and Management Plan are being enacted.</p> <p>Management Plan can be found <a href="#">here</a></p> <p>Offset Plan can be found <a href="#">here</a></p>	Section 5.1.3 and Actions BGW 2 and BGW 3.

box gum woodland habitat areas.		Vehicle tracks max 6m wide other tracks/trails max 2.5m wide  Unused existing tracks to be rehabilitated  Picnic and other facilities involving buildings and car parking to avoid known high value habitat areas				
Protect habitat from domestic predators	16	Impose a cat containment policy for the entire West Belconnen development area and prohibit off-leash dogs in the Conservation corridor	TAMS (now TCCS)  Ginninderry Conservation Trust	Cat Containment mandated by changes to the relevant instrument under the provisions of the Domestic Animals Act prior to commencement of any works in the ACT  Cat containment in NSW to be implemented if suitable legislation comes into force. In the absence of specific legislation, environmental planning laws such as planning agreements and/or conditions attached to development consents will be used to impose the controls.  Dog control regime to be established by the GCT.	Partially met. Declaration of cat containment imposed by the Minister of Transport and City Services on the 20/06/2018. The Declaration can be found <a href="#">here</a> .  A cat containment policy had been imposed for the suburbs of Strathnairn and Macnamara. Signage has been implemented around the suburbs. Information has been provided to residents and has been published on the website. Cat containment will be implemented progressively as the suburbs are established.  Dogs have been prohibited from entering the Conservation Corridor. Information has been provided to residents and has been published on the website. Signage has been put up around the Corridor. Trust staff patrol regularly and enforce the banning of dogs from the Corridor.	Section 4.1.6 and Actions ER 9 and ER 10.  Dog walking is addressed in sections 4.1.6 and 4.4.3.

Monitoring of impacts on habitat is ongoing  Monitoring will be consistent with box gum woodland monitoring across the ACT.	17	Adopt field data recorded by Nash & Hogg 2013 as baseline data. Periodic field research will be conducted to assess change in the extent and quality of BGW habitat.	Environmental Management Trust	Every two years from date of endorsement.  Monitoring period to be reviewed if impacts have stabilised.	Partially met. Field data recorded by Nash and Hogg (2013) has been adopted as the baseline data.  The Ginninderry Conservation Corridor Ecological Monitoring Framework draft has been completed and can be accessed <a href="#">here</a> .  BGW monitoring was conducted by Capital Ecology during March-April of 2021 and the new data is yet to be received. This information will be reported in FY21/22. Plot surveys are still to be conducted and are scheduled for October 2021	Section 5.1.3 and Action BGW 2.
Establishment of a process of independent third party review of RMP	18	Prepare an annual report addressing MNES outcomes achieved in the previous year; lessons learned; include a financial audit; report to be made publicly available  Report to be submitted to the ACT Conservator of Flora and Fauna	Environmental Management Trust	Within 2 months of the end of each financial year	Partially met. Annual report submitted. A copy of the Auditors report will be provided to the Commonwealth and published online once the auditors have signed off on the accounts.	Section 5.1.3 and Action BGW 7.
<b>Pink Tailed Worm Lizard</b>						
A conservation area that includes 90% of identified PTWL habitat (146.4 Ha).	19	Variation to the Territory Plan, amendment to the National Capital Plan and amendment to the Yass Valley Shire local Environment Plan for all proposed land use changes	Riverview Group to obtain relevant rezoning and related approvals	ACT zoning to be in place prior to commencement of construction in ACT. NSW zoning to be in place prior to commencement of construction in NSW	Partially Met. Following the resurvey of PTWL habitat in the ACT section of the Corridor, 125.6 ha of high quality habitat and 4.6 ha of low quality PTWL habitat is being protected in the ACT.  The remaining PTWL habitat to be secured occurs in NSW and the recent rezoning with Capital Ecology 2020 report (Parkwood) confirms the long-term protection of 18.65 ha of suitable habitat and 1.05 ha of low quality habitat. A total of 149.9 ha of PTWL habitat will be protected in	

					the Corridor, as public land nature Reserve in the ACT and in the rezoned E2 land in NSW. The ACT Government amended the Territory Plan. Territory Plan variation 351 established the first 280 Ha as public land nature reserve.	
Preservation and enhancement of PTWL habitats.  Actual hectares will be used in area measurements.	20	Manage activities in the GCC in accordance with a Reserve Management Plan.	Riverview Group to prepare first draft.  Environmental Management Trust to review the draft and adopt and implement the plan when approved by the Conservator.  Plan to be approved by the ACT Conservator and Minister for the Environment (ACT component) and endorsed by the ACT Conservator (NSW component) in consultation	Ongoing. An action required over the life of the program.  Plan to be finalised within 2 years of Ministerial endorsement of the Program, reviewed at intervals of no more than five years thereafter.	<p>Partially met. Implementing activities in line with the Management Plan and Offset Plan.</p> <p>Grassland scrape and sow demonstration site has been completed. The scrape and sow removed exotic grasses to extend NTG and PTWL habitat totalling 0.27Ha. Rock, brick and woody debris have been added to the site to create PTWL habitat. Friends of the Grasslands have been engaged to help monitor the site. Monitoring was undertaken in November 2020 and April 2021. The site continues to thrive.</p> <p>The November 2020 monitoring report can be accessed <a href="#">here</a>.</p> 	Management of PTWL habitat is provided in section 5.1.1

			with the NSW Office of Environment and Heritage		Ecological Monitoring Framework. Further brick plots will be established in the adjoining land in the coming years. Rock will also be placed throughout the Corridor to improve the connectivity between habitat patches within the Reserve and with other nearby lizard populations.	
Establishment of a land management governance regime	21	Establish a West Belconnen Environmental Management Trust.	Riverview Group	Within 2 years of Ministerial endorsement of the Program and prior to commencement of construction.	<p>Met. The Ginninderry Conservation Trust has been established.</p> <p>The ACT Government and the GCT entered into a Section 303 Licence, 12 March 2020 to align the funding provided through the Trust with the Plan of Management obligations and land management responsibilities</p>	Section 1.3
Maintenance and enhancement of connectivity between PTWL habitat areas.  No appreciable long term net reduction in total PTWL habitat areas.	22	<p>All works that may affect PTWL habitat to be informed by relevant scientific expert advice and:-</p> <p>Roads and tracks to follow existing alignments where feasible and incorporate appropriate design techniques such as raised grating</p> <p>Vehicle tracks max 6m wide other tracks/trails max 2.5m wide</p> <p>Unused existing tracks to be rehabilitated</p> <p>Picnic and other facilities involving buildings and car</p>	Environmental Management Trust	Ongoing. An action required over the life of the program.	<p>Partially met. All development works associated with roads, track and trails will be informed by scientific advice and managed as per the Management Plan and Offset Plan.</p> <p>The DPS was triggered for the first track works in the Corridor which extends through a patch of PTWL habitat. An EIA was undertaken for the development.</p> <p>Construction works for the track have begun and unavoidable impacts on PTWL will be offset in the Corridor.</p> <p>Restoration of retired tracks in PTWL habitat areas has yet to commence.</p> <p>Habitat restoration workings are ongoing.</p>	<p>Section 5.1.1 and Actions PTWL 2 and PTWL 4.</p> <p>Visitor infrastructure – sections 4.1.7, 4.4.4 and 5.5.</p> <p>See detailed offset and habitat plan appended.</p>

		<p>parking to avoid known high value habitat areas</p> <p>Active habitat restoration works will be undertaken.</p>			<ul style="list-style-type: none"> <li>- Scrape and sow demonstration completed and regularly monitored. Brick, rock and logs have been added to the site.</li> <li>- 5 Permanent bricks plots have been added to stage 1 of the Corridor.</li> <li>- Intensive weeding program in high quality habitat areas is ongoing.</li> </ul>	
Pink tailed worm lizard protected from domestic predators	23	<p>Impose a cat containment policy in the for the entire West Belconnen development area.</p> <p>Prohibit off-leash dogs in the Conservation corridor</p>	TAMS Yass valley Shire Council Environmental Management Trust	<p>Cat Containment in the ACT to be mandated by changes to the relevant instrument under the provisions of the Domestic Animals Act prior to commencement of any works.</p> <p>Cat containment in NSW to be implemented if suitable legislation comes into force. In the absence of specific legislation, environmental planning laws such as planning agreements and/or conditions attached to development consents will be used to impose the controls.</p> <p>Dog control regime to be established by the EMT.</p>	<p>Partially met. A cat containment policy had been imposed for the suburbs of Strathnairn and Macnamara. The Declaration can be found <a href="#">here</a>. Signage has been implemented around the suburbs. Information has been provided to residents and has been published on the website. Trust staff are monitoring the Corridor for cats through the use of wildlife cameras and patrol the Corridor regularly. Results of monitoring have identified that cat containment is being adhered to in the suburbs. Monitoring cameras have identified two cats are present in the Corridor. These cats have not been caught. Further monitoring is being undertaken in the areas where cats have been identified.</p> <p>Cat containment will be implemented progressively as the suburbs are established.</p> <p>The development area has not yet commenced in NSW. Cat contamination will be addressed when the development front is in NSW.</p> <p>Dogs have been prohibited from entering the Conservation Corridor. Information has been provided to residents and has been published on the website. Signage has been put up around the Corridor. Trust staff</p>	Section 4.1.6 and Actions ER 9 and ER 10.  Dog walking is addressed in sections 4.1.6 and 4.4.3.

					patrol regularly and enforce the banning of dogs from the Corridor.	
Ongoing monitoring of impact on habitat.  Monitoring will be consistent with PTWL monitoring across the ACT.	24	Adopt field data recorded by Osborne & Wong 2013 as baseline data. Conduct periodic field research to assess change in the extent and quality of PTWL habitat.	Environmental Management Trust	Every two years from date of endorsement. Ability to review monitoring period if impacts have stabilised.	<p>Met. Field data recorded by Osborne and Wong (2013) has been adopted as the baseline data.</p> <p>Field research will be conducted bi-annually. ANU has developed a research program for the corridor including PTWL habitat enhancement.</p> <p>PTWL surveys were conducted in 2019 (Capital Ecology, 2019). Further surveys were undertaken in Spring 2020 by the Trust.</p> <p>The survey identified 71 individual PTWL and 10 skin sheds (sloughs) all found under rocks – 81 records in total. GCT engaged a total of 25 volunteers which consisted of Canberra Institute of Technology (CIT) Science and Horticulture students and local community members. The survey sites focused on 27 ha of suitable PTWL habitat (moderate and high quality) within the Conservation Corridor as identified by Osbourne and Wong (2013). Rocks small enough to be lifted without strain (“football-sized” or smaller) were turned to search for PTWL. Rocks between the size of 10-40cm were targeted. More PTWL were found per hectare in this survey in comparison to other surveys conducted in the past. The full 2020 monitoring report can be accessed <a href="#">here</a>.</p>	Section 4.1.1, Action PTWL 2.  See detailed offset and habitat plan appended.
Establishment of a process of independent	25	Prepare an annual report addressing MNES outcomes achieved in the previous year; lessons learned; include a	Environmental Management Trust	Within 2 months of the end of each financial year	Partially met. Annual report submitted. A copy of the Auditors report will be provided to the Commonwealth and published online once the auditors have signed off on the accounts.	Section 5.1.3 and Action PTWL 6.

third party review of RMP		financial audit; report to be made publicly available  Report to be submitted to the ACT Conservator of Flora and Fauna				
<b>Natural temperate grasslands</b>						
Management Actions as prescribed in the most recent approved version of the Jarramlee Offset Management Plan (ACT Government, 2013)	26	Manage Jarramlee Offset site in accord with the Jarramlee Offset Management Plan	Environmental Management Trust	Ongoing. An action required over the life of the program.	<p>Partially met. Jarramlee Offset Management Plan has been incorporated into the Gooromon Grasslands Offset Management Plan.</p> <p>PCS has an obligation to report separately and will provide a report directly to the Commonwealth on the Jarramlee Offsets.</p> <p>Three separate EPBC Act approval decisions are linked through the Gooromon Grasslands OMP.</p> <p>EPBC SA0024, West Belconnen Strategy Development (Ginninderry), Environmental offset site: Lot 2 Wallaroo Road (86.8ha; Yass Valley Council Shire NSW).</p> <p>EPBC 2010/5549, Lawson South Residential Development, Environmental offset site: Jarramlee (112 ha;Pc: Nature Reserve, ACT).</p> <p>EPBC 2010/5520, Macgregor West 2 Residential Estate Development Environmental offset site: West Macgregor (37 ha;Pc: Nature Reserve, ACT).</p> <p>The three environmental offsets are linked by geography forming the Gooromon Grasslands OMP. West Macgregor and Lawson are ACT Government offsets and managed by PCS. The land custodian for Lot 2 is the</p>	Section 3.1.3.3, 5.1.2  Action NTG1

					Suburban Land Agency, the Suburban Land Agency delegates PTWL day to day management of Lot 2 to PCS.	
Implementation of assessment process for additional unanticipated impacts to any area dominated by native grasses that is part of a larger patch of native grassland which includes high or moderate quality pink-tailed worm-lizard habitat as mapped by Osborne and Wong (2013).	27	<p>Follow the defined process strategy (see s5.3.4 of this Program Report). When triggered the strategy involves:</p> <p>Assess the impact using data collected from site-based field verified surveys as per EPBC guidelines</p> <p>Implement avoidance &amp; mitigation measures where practicable</p> <p>Determine offset requirements for any residual impacts</p> <p>Identify an appropriate offset and establish</p> <p>Prepare &amp; implement an offset management plan to incorporate in the GCC management plan or a standalone plan</p>	Riverview Group  Environmental Management Trust	Ongoing. An action required over the life of the program.	Met. No NTG will be impacted within the development, therefore no DPS is required.	
<b>Major changes to infrastructure location (e.g. sewer alignment)</b>						
Implementation of assessment process for additional unanticipated	28	Follow the defined process strategy (see s5.3.4 of this Program Report). When triggered the strategy involves:	Riverview Group	Ongoing. An action required over the life of the program.	Partially met. Where additional unanticipated impacts to MNES habitat cannot be avoided, the Ginninderry Conservation Corridor Management Plan will implement measures to ensure that there will be no net loss of habitat within the GCC.	

impacts to MNES within the Project Area due to major changes to infrastructure location (e.g. sewer alignment).	<p>Assess the impact using data collected from site-based field verified surveys as per EPBC guidelines</p> <p>Implement avoidance &amp; mitigation measures where practicable</p> <p>Determine offset requirements for any residual impacts</p> <p>Identify an appropriate offset and establish</p> <p>Prepare &amp; implement an offset management plan to incorporate in the GCC management plan or a standalone plan</p>	Environmental Management Trust	<p>The DPS is being adopted. During the 20-21 year the proposed Track for the Corridor was assessed using the DPS.</p> <p>The proposed development has been assessed as having the following additional unanticipated impacts on MNES to date: 0.06 ha of PTWL habitat. The first track has been realigned when the alignment was ground-truthed for at the point of detailed design. Capital Ecology has provided advise (dated 16.08.2021) that the proposed additional track will impact 0.06 ha of atypical Pink-tailed Worm-lizard habitat. Such a small increase in impact (i.e. from 0.18 ha to 0.24 ha) is considered negligible and it is unlikely to have any significant impact on the Pink-tailed Worm-lizard population within the GCC. The Capital Ecology advice is provided with the Annual Report for reference.</p> <p>An area for improvements will be implemented as per the Offset Plan.</p> <p>(Capital Ecology 2020 – Strathnairn Residents Track, Strathnairn, ACT – Ecological Impact Assessment and DPS)</p>	
<b>Threatened Bird Species</b>				
Mitigate indirect impacts from urban development on threatened bird species.	29 Implementation of CEMP's, WSUD principles, and the GCC RMP. Replace affected farm dams with the provision of constructed wetlands where possible.	Riverview Group Environmental Management Trust	Ongoing. An action required over the life of the program.  A Ginninderry Development Construction Environment Management Plan (CEMP) Framework report (dated 12/10/2018) has subsequently been endorsed by the Commonwealth.  CEMP Report can be accessed <a href="#">here</a> .	

				<p>The Ginninderry CEMP, is required to be addressed in all civil contractor CEMPs for urban development at Ginninderry.</p> <p>All CEMP, civil contracts are signed off by the ACT Planning Authority.</p> <p>WSUD principles have been implemented including the establishment of a wetland pond at Paddy's Park and restablishment of the dam adjacent to the Link Building. The Link dam undergoes annual Frogwatch monitoring.</p>	
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## **4. Conclusion**

This Annual Report and supporting information has been prepared to address conditions of the West Belconnen Strategic Assessment and Endorsement. This report has addressed all conditions as stated in the EPBC West Belconnen approval, the Outcomes of the MNES in the Program Report.

The report outlines the commitments met, partially met or N/A. The Gooromon Grasslands Offset Management Plan has been prepared and endorsed to address the preservation and enhancement of offset areas, including the Golden Sun Moth Conservation Reserves. The trigger for monitoring and reporting on GSM habitat has not yet been triggered in Condition 7 of the EPBC West Belconnen Approval. When the project triggers the GSM habitat monitoring and reporting, this will be reflected within the Annual Report.

As demonstrated in this Annual report there are no non-compliance matters raised. It is understood that as the urban development progresses certain conditions of the approval will be triggered, requiring a response in the Annual report. The Annual report is a reflection of the consistent monitoring of the environmental approvals to ensure environmental conditions are being meet and reflected in the Annual report.

The DPS has been triggered within this reporting period for the first Track, known as the Strathnairn Residents Track. Works for this have been approved by the Planning Authority via a Development application approval and works commenced on the 26<sup>th</sup> July 2021.

This Annual report has demonstrated that the environmental matters of significance have been addressed in-line with the EPBC West Belconnen approval.

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