



Annual Report 2019-2020

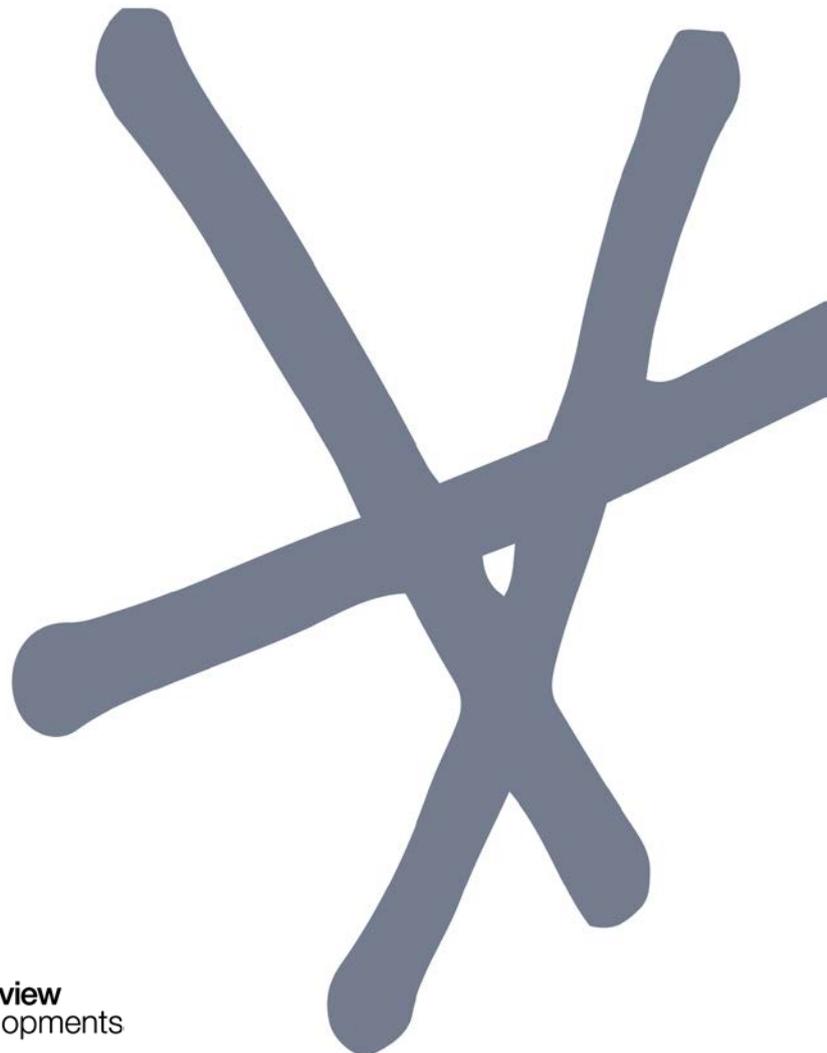
Ginninderry Project

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Report Prepared for the Australian Government Pursuant to the Approval Conditions of the West Belconnen Strategic Assessment for the period of 1 July 2019 – 30 June 2020

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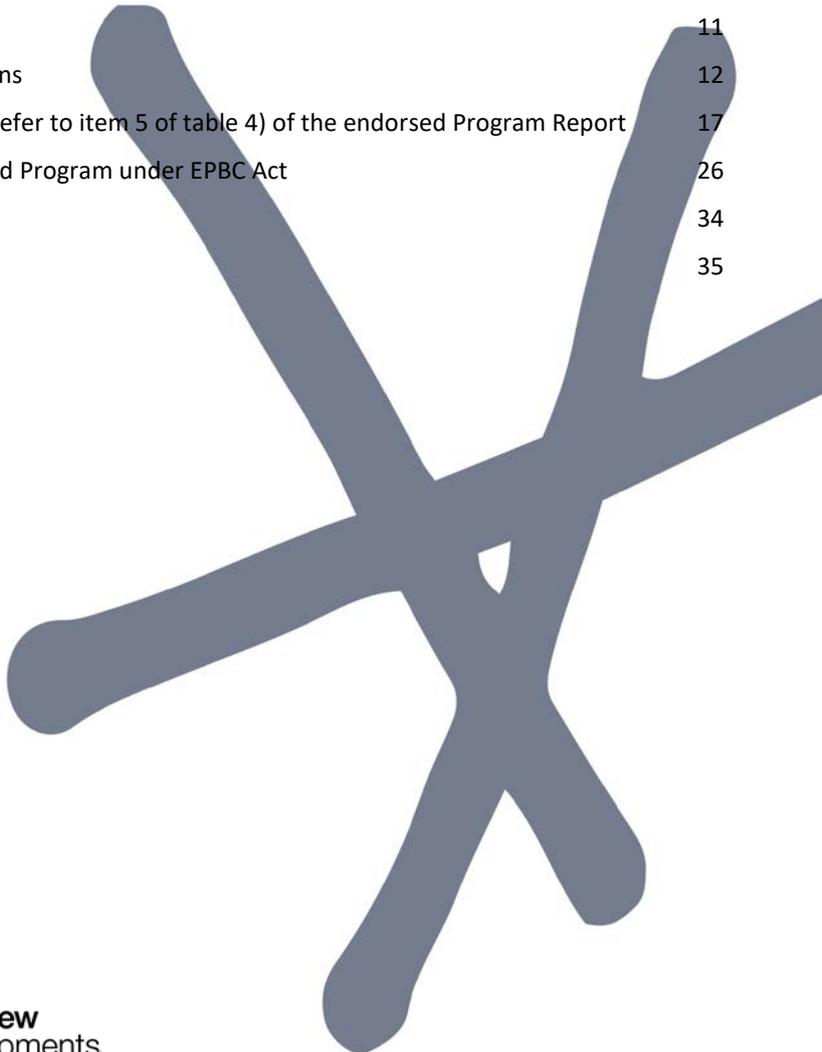


Suburban Land
Agency



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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
DoEE	Department of the Environment and Energy (now 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

Abbreviation	Definition
PDF	Planning and Design Framework
PTWL	Pink-Tailed Worm Lizard (<i>Aprasia parapulchella</i>)
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 2019/2020 financial year. Performance against the EPBC Approval conditions is reported in Table 1. Performance against the Program Report is reported in Table 2 and performance against the Management Plan is reported in Table 3.

The purpose of this Annual Report is to demonstrate the 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.

Throughout the below tables we refer to the West Belconnen Conservation Corridor (WBCC) and the Environmental Management Trust, these are now known as the Ginninderry Conservation Corridor (GCC) and the Ginninderry Conservation Trust (GCT). Future reports will reflect the new terminology.

2 Background

The EPBC Act approval for the Ginninderry [formerly West Belconnen] 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 and implement 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 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 2019-20

The Ginninderry Project aims to deliver 300 dwellings to the market annually. The approval of the Strathnairn Estate Development Plan 1 and Estate Development 2 provides for a total of 818 residential blocks including single dwelling and multi-unit blocks. Land release at Ginninderry as at 31 August 2020:

- Of the 316 blocks approved in Strathnairn EDP1, 295 have been released and purchased, currently waiting for approval, construction or residents have moved in
- 21 blocks in EDP1 are yet to be released.
- Of the 502 blocks approved in Strathnairn EDP 2, 275 blocks have been released with less than 10 remaining.

The following development was undertaken or approved in the West Belconnen Strategic Assessment area in 2019-20:

- Stage 2 of urban construction commenced in August 19 and the department was notified that the action had 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. Works on the Trunk Sewer are not expected to commence until the third quarter of 2021.

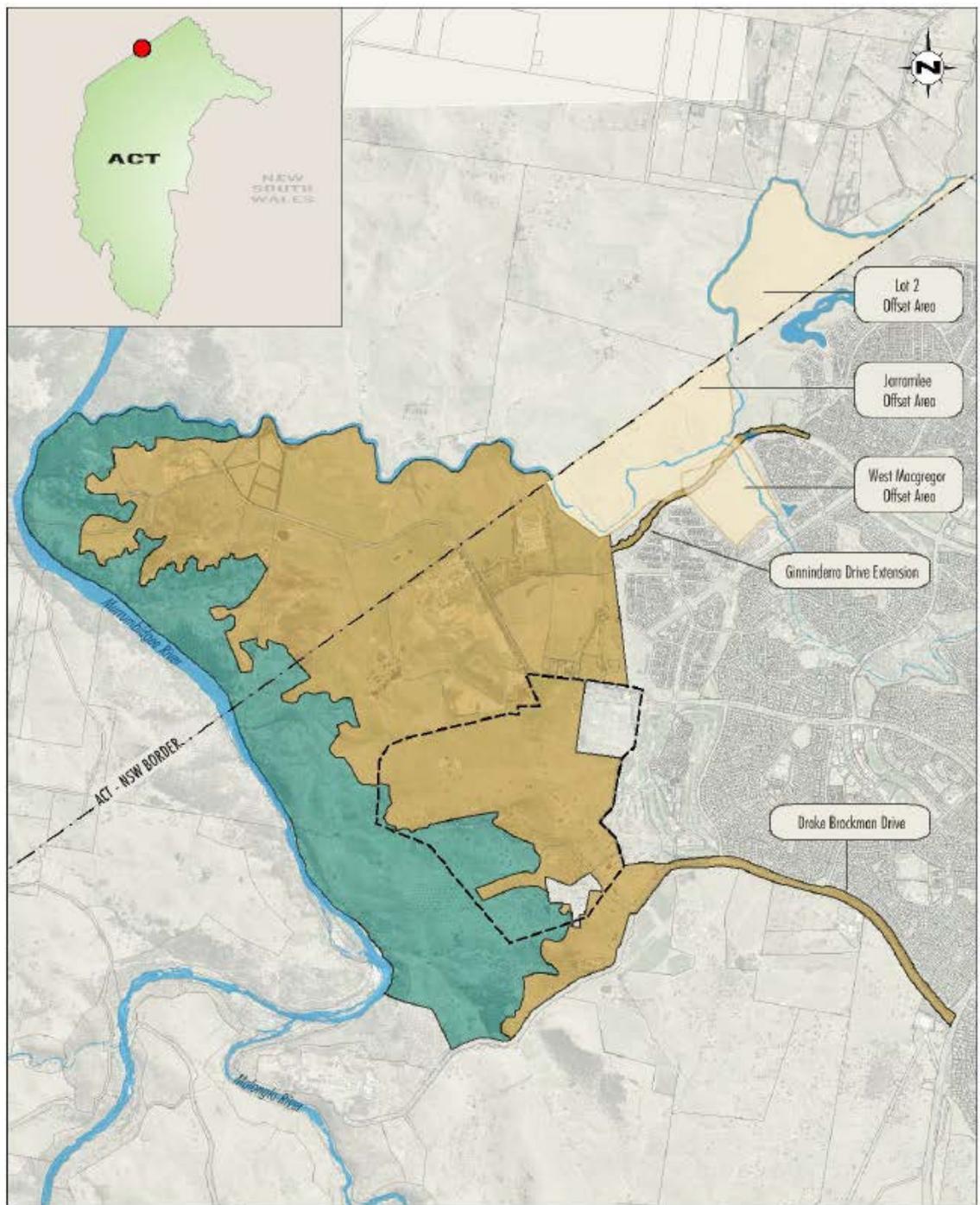


Figure 1: Ginninderry Project Area

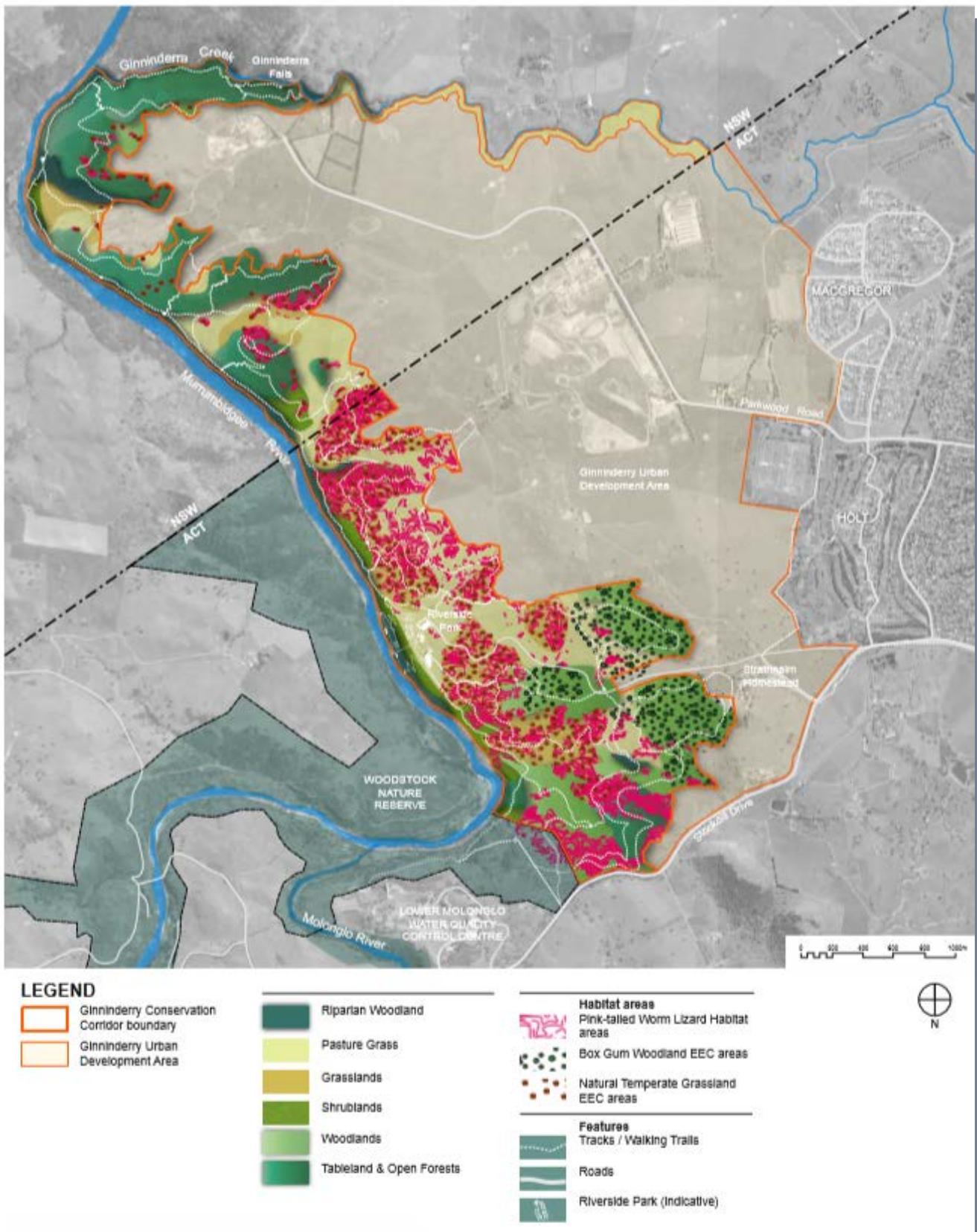


Figure 2: Project Area

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 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 ACT Government 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 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 hectares of PTWL habitat, comprising 152.1 ha of suitable habitat and 10.7 ha of low-quality habitat 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.

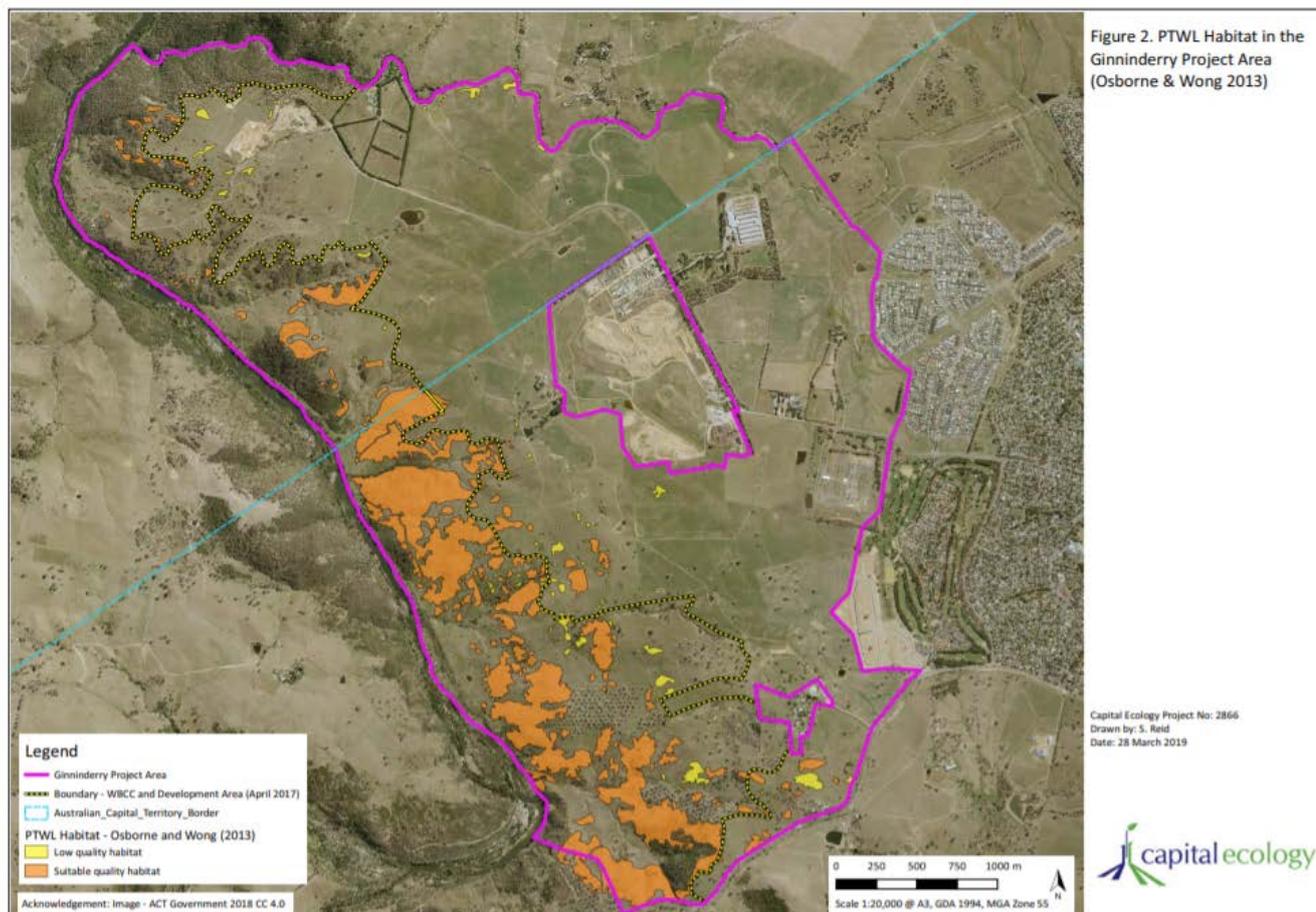


Figure 3: PTWL Habitat in the Ginninderry Project Area

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).

Impacts on the 3.8 ha Drake Brockman Drive woodland patch will be offset by exchanged management of the West Molonglo patch to achieve biodiversity outcomes over and above the requirements of the Molonglo NES Report.

The Box Gum Woodland referenced in the Molonglo NES Report has been mapped. Two small patches of Box Gum Woodland have been identified on a relevantly small apportionment of Block 1 Section 35 Strathnairn. The portion of the Box Gum Woodland on Block 1 is contiguous to the Ginninderry Conservation Trust managed corridor.

The land custodian of Block 1 (Arts ACT) are currently in the processes of surrendering a small portion of Block 1 so that the Box Gum Woodland can be managed by the Ginninderry Conservation Trust.

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 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 defined process strategy.

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 PTWL habitat. The Capital Ecology, Extent and Condition of Natural Temperate Grassland of the South Eastern Highlands in the Ginninderry Project Area Report, July 2020 is submitted with this assessment for consideration.

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, as the Program has only been in operation for 1 year. The Program Review Report will be submitted 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

The Program is only in the first year of operation, therefore an independent audit has yet to commence. 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.

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 related 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. The Ginninderry Conservation Corridor Management Plan (September 2018) is a guiding document providing detail of how the Ginninderry Conservation Corridor will be managed. A written response is provided to commitments as outlined in the Management Plan in Table 3.

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.	<p>Met. Operations are being undertaken as per the endorsed Program Report - Urban Development at West Belconnen (AT Adams Consulting, April 2017).</p> <p>The Joint Venture Board monitors the construction program.</p> <p>The Board of the Conservation Trust monitors implementation and resourcing of commitments outlined in the Corridor Plan of Management.</p> <p>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.</p> <p>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.</p> <p>The Program Report - Urban Development at West Belconnen (AT Adams Consulting, April 2017) can be accessed here.</p>
2	<p>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:</p> <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>	Ongoing. An action required over the life of the program.	<p>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.</p> <p>CEMP Framework can be found here.</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 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>Notification of compliance letter from the DoEE dated 13 September 2018 can be accessed here.</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 Program Report. Transfers will be</p>

	Conditions	Timing (Not started, Ongoing, Complete)	Comments (Met, Partially met, N/A)
			timed to precede any construction on adjacent development zones occurring that would affect the catchment or catchments contained within each transfer stage area.
5	<p>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.</p>	Ongoing. An action required over the life of the program.	<p>Met. Notification of compliance letter from the DoEE dated 13 September 2018 can be accessed here.</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 the 23rd 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 & 5 as they pertain to the ACT portion of the Corridor, in accordance with the staged approach outlined in the Program Report.</p> <p>See 3.2, table 2 - Outcomes and commitments for MNES attached to Approval.</p>
6	<p>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 than the area marked as stage 1 in Figure 4 of the Program Report).</p>	Complete. No further action required.	<p>Met. The Environment Management Trust, now known as the Ginninderry Conservation Trust was operationally established in November 2019 which is within 2 years from the endorsed program. The Commonwealth Minister provided approval for the ACT component on the 03/01/2019 and the ACT Conservator (NSW component) gave endorsement on the 19/11/2018.</p> <p>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 (Page 10).</p>
7	<p>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).</p>	Complete	<p>Met. Reserves have been established and an over-arching Goomon Grasslands Offset Management Plan established (2019). The plan has been approved by Minister Gentleman and with engagement with the Commonwealth, ACT and NSW Governments.</p>
8	<p>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</p>	Complete. No further action required.	<p>Met. The West Belconnen Conservation Corridor Reserve Management Plan, now known as 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).</p> <p>Conservator endorsement can be accessed here.</p> <p>Minister Approval can be accessed here.</p> <p>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 transferred into that process.</p>

	Conditions	Timing (Not started, Ongoing, Complete)	Comments (Met, Partially met, N/A)
	approved plan or a later endorsed and approved plan must be implemented and made available to the public for the life of the Program.		
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 here.</p> <p>Minister Approval can be accessed here.</p> <p>The approved Offset Management Plan 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 (Page 10). The 303 license 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 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>	<p>Prior to the commencement of construction</p> <p>Complete</p>	<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> <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 CEMP has been implemented and made available to the public on the Ginninderry website via the reports library.</p> <p>Conservator endorsement can be accessed here.</p> <p>Minister Approval can be accessed here.</p>
11	<p>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</p>	<p>Prior to the commencement of construction</p> <p>Complete</p>	<p>Met. During spring 2017 Riverview commissioned two separate studies in accordance with Condition 11. These studies were submitted to DoEE and were accepted. Capital Ecology provided a Statement of Compliance against Approval Condition 11 which can be accessed here.</p> <p>Additional surveys for NTG and PTWL have been undertaken by Capital Ecology (2018, 2019 & 2020) who have provided an overarching summary report.</p> <p>The accepted reports have been made available to public on the Ginninderry website via the reports library, see below.</p>

	Conditions	Timing (Not started, Ongoing, Complete)	Comments (Met, Partially met, N/A)
	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.		<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 here.</p> <p>SMEC Report – West Belconnen Vegetation Survey Summary, 2017 can be accessed here</p> <p>Capital Ecology Report - Ginninderry - Pink-tailed Worm-lizard survey and habitat mapping, 2018 can be accessed here.</p> <p>Capital Ecology Report - Ginninderry – Pink-tailed Worm-Lizard survey and habitat mapping of NSW land 2019 can be accessed here.</p> <p>Attached Capital Ecology Report 2020 – The extent and condition of Natural Temperate Grassland of the South Eastern Highlands in the Ginninderry project area.</p>
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 Defined Process Strategy have been provided onto the Commonwealth for consideration. As an exemplar of the DPS a copy of the Micro Sewer Tunnel assessment is attached.</p> <p>The Micro Sewer Tunnel is the first proposed development within the conservation corridor. The Micro Sewer Tunnel has triggered the Defined Process Strategy and has been considered by the Commonwealth. A development approval is in place for these works.</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.	Met. Cat containment has been declared for the suburbs of Strathnairn and Macnamara. Riverview has been working with EPSD 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.
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).
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 here.</p>

	Conditions	Timing (Not started, Ongoing, Complete)	Comments (Met, Partially met, N/A)
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 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.	Every five years and within six months from the date of endorsement of the Program.	N/A. A five-year Program Review Report has yet to be undertaken, as the Program has only been in operation for 1 year. A Program Review Report will be prepared within the required timeframe and independently audited as required.
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.	Ongoing. An action required over the life of the program.	Met. Action commenced in August 2019.
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	Complete	Met. Management Plans are available on the Ginninderry Website. Documents can be found here .

	Conditions	Timing (Not started, Ongoing, Complete)	Comments (Met, Partially met, N/A)
	website. Each management plan and report must be published on the website within 1 month of being endorsed and approved.		

3.2 Table 2 – Outcomes and commitments for MNES (Refer to item 5 of table 4) of the endorsed Program Report

*Note: Throughout the below table it refers to the West Belconnen Conservation Corridor (WBCC) and the Environmental Management Trust. This is now known as the Ginninderry Conservation Corridor (GCC) and the Ginninderry Conservation Trust (GCT). Future reports will reflect the new terminology.

Conservation outcomes	Action	Responsibility	Timing	Comments
Previously unidentified MNES				
Protection of Matters of National Environmental Significance that are identified in pre-construction surveys for permitted construction work in the WBCC	1 Prior to development of WBCC infrastructure, site surveys of threatened flora and fauna species will be conducted and populations of threatened flora and fauna species will be avoided or impacts managed in accord with the Reserve Management Plan (RMP) and EPBC Act.	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 endorsement of the Program and will be made public.	Met. PTWL surveying was undertaken in 2018/19 Capital Ecology Report 2018 can be accessed here . Capital Ecology Report 2019 can be accessed here . NTG surveying was undertaken 2020, delayed due to unsuitable climate conditions for meaningful NTG surveys in 2019. An EIA for stage 1 of the Micro Sewer Trunk Tunnel (Trunk Sewer) was undertaken by Capital Ecology. A development approval for the stage 1 Trunk Sewer works has been granted from the ACT Planning Authority, no construction works have taken place in this 2019-20 reporting period. The Stage 1 Trunk sewer works trigger the Defined Process Strategy. The unavoidable impacts on PTWL habitat will be offset in the Corridor. Partially Met: The Trust will establish a tracking system where development triggers the DPS.
Golden Sun Moth				
Protection and enhancement of habitat whilst allowing for the intrusion of the Ginninderra drive alignment. (refer to (ACT Government, 2013) (David Hogg	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	Met. The Suburban Land Agency (SLA) purchased Lot 2 Wallaroo Road in 2015, to facilitate the Ginninderry Joint Venture GSM offset requirements Extension to Ginninderra Drive has not yet commenced and is not expected to commence for another 15 – 20 years. Therefore, no current action required.

Pty Ltd, 2011)					
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> <p>Implementation of GSM habitat restoration as a connectivity measure between Jarramlee and Dunlop Grasslands Reserve.</p>	Economic Development Directorate	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>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>
	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 of 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> <p>Incorporate the management plan into the WBCC RMP.</p> <p>Lot 2 GSM habitat area to be increased from current 11.9 Ha to 33.1 Ha.</p>	<p>Riverview Group to prepare first draft.</p> <p>Environmental Management Trust to seek approval and implement the plan.</p> <p>Plan to be endorsed by the ACT Conservator and approved by the Minister for the Environment (ACT component) and endorsed</p>	<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. Conditions are part of the West Belconnen Strategic Assessment.</p> <p>Planning for the research and trials of GSM larvae translocation has commenced with ANU. However, the requirement has not yet been triggered.</p>

			by the ACT Conservator of Flora and Fauna (NSW component) in consultation with the NSW Office of Environment and Heritage		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.
Establishment of a governance regime for reserve land (Macgregor, Jarramlee and Lot 2).	6	Establish a West Belconnen Environmental Management Trust (EMT).	Riverview Group	Within 2 years of Ministerial endorsement of the Program and prior to construction of Ginninderra Drive extension.	Met. Parks and Conservation are the current and existing land managers. See response to Condition 5 above regarding the current preferences for streamlined and efficient management of the GSM reserves.
Implementation of program for research and trials for the translocation of golden sun moth larvae	7	Research and trials to be undertaken to assist habitat restoration and golden sun moth larvae translocation	Environmental Management Trust	Research programs and trials to begin with the commencement of the OMP plus 5 years.	N/A. Planning for the research and trials of GSM larvae translocation has commenced with ANU. However, the requirement has not yet been triggered. Extension to Ginninderra Drive has not yet commenced and is not expected to commence for another 15 – 20 years. Therefore, no current action required.
Restoration of GSM habitat	8	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. 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. 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.	Environmental Management Trust Restoration area should be a site of importance to landscape connectivity determined in conjunction with the ACT Environment and Planning Directorate.	Completion of restoration and then monitored for 15 years.	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.
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.	Environmental Management Trust Translocation research should build on existing knowledge and trials, undertaken elsewhere in the ACT	Approval of the OMP plus 20 years, and prior to the construction of Ginninderra Drive extension.	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.
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	Environmental Management Trust	Every two years from date of endorsement. Monitoring period	Met. Field data recorded by Rowell (2015) has been adopted as the baseline data.

		consistent with those used to measure GSM population and habitat quality and extent across the ACT.	Monitoring to be timed so that it is consistent with GSM monitoring across the ACT	to be reviewed if impacts have stabilised.	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.
Box Gum Woodland					
A conservation area that includes 100% of identified box gum woodland (68.2 Ha) in conservation area.	12	Vary the Territory Plan, amend the National Capital Plan for all proposed land use changes	Riverview Group to obtain relevant rezoning and related approvals	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. 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. BGW has been identified on the Strathnairn site. In line with the Molonglo NES Plan the Crown lessee (Arts ACT) is in the process of excising the BGW from the Strathnairn block so that it can be managed by GCT.
Preservation and enhancement of woodland habitats. Actual hectares will be used in area measurements.	13	Manage activities in the WBCC 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 Environment (ACT component) and endorsed by the ACT Conservator (NSW component) in consultation	Plan to be finalised within 2 years of Ministerial endorsement of MNES plan, reviewed at intervals of no more than five years thereafter.	Met. WBCC is now known as the Ginninderry Conservation Corridor (GCC). Activities are being managed in accordance with the Management Plan (September 2018). 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 rolled into the updating process.

			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.	Met. The Ginninderry Conservation Trust was operationalised in November 2019. Now known as the Ginninderry Conservation Trust (November 2018). The ACT Government and the Ginninderry Conservation Trust entered into a Section 303 Licence, 12 March 2020 This 303 licence was issued for the purpose that the land is to be used to enhance, protect and manage the Ginninderry Conservation Corridor in accordance with the Management Plan and any revisions, updates or changes to it that may occur from time to time.
Maintenance and enhancement of connectivity between box gum woodland habitat areas. No appreciable long term net reduction in total box gum woodland habitat areas.	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 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	Environmental Management Trust	Ongoing. An action required over the life of the program.	N/A. No tracks or trails to report on in this 2019-2020 reporting period.
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 Environmental Management 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	Partially met. 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.

				used to impose the controls. Dog control regime to be established by the EMT.	
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.	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 is to be reviewed by the Trust, ACT Government, and other stakeholders. BGW monitoring in 2019 was delayed due to climatic challenges (i.e. drought). The next Box-Gum woodland monitoring is scheduled for Spring 2020.
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.
Pink Tailed Worm Lizard					
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	Met. Following the resurvey of PTWL habitat the Corridor will protect 125.6 of high quality habitat and 4.6 of low quality in the ACT. The ACT Government amended the Territory Plan. Territory Plan variation 351 established the first 280 Ha as public land nature reserve. The remaining PTWL 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 of low quality habitat. A total of 149.9 is protected in the Corridor, as public land nature Reserve in the ACT and in the rezoned E2 land in NSW.
Preservation and enhancement of PTWL habitats. Actual hectares will be used in area measurements.	20	Manage activities in the WBCC 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.	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.	Partially met. Implementing activities in line with the Management Plan and Offset Plan. Grassland scrape and sow demonstration site has been completed. The scrape and sow removed exotic grasses to extend NTG and PTWL habitat totaling 0.27Ha. Rock is yet to be added to the site to encourage PTWL habitat. This will be undertaken by the end of 2020.

			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 with the NSW Office of Environment and Heritage		
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.	Met. The Trust is established and is now known as the Ginninderry Conservation Trust (November 2018). The ACT Government and the Ginninderry Conservation Trust 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
Maintenance and enhancement of connectivity between PTWL habitat areas. No appreciable long term net reduction in total PTWL habitat areas.	22	All works that may affect PTWL habitat 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 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 Active habitat restoration works will be undertaken.	Environmental Management Trust	Ongoing. An action required over the life of the program.	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. Restoration of retired tracks in PTWL habitat areas has yet to commence. Habitat restoration workings are ongoing. Scrape and sow demonstration completed. Rock to be added to the site to provide PTWL habitat.
Pink tailed worm lizard protected from domestic predators	23	Impose a cat containment policy in the for the entire West Belconnen development area. Prohibit off-leash dogs in the Conservation corridor	TAMS Yass valley Shire Council Environmental Management Trust	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. Cat containment in NSW to be implemented if	Partially met. 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. The development area has not yet commenced in NSW. Cat contamination will be addressed when the development front is in NSW.

				<p>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>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.</p>
<p>Ongoing monitoring of impact on habitat.</p> <p>Monitoring will be consistent with PTWL monitoring across the ACT.</p>	24	<p>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.</p>	Environmental Management Trust	<p>Every two years from date of endorsement. Ability to review monitoring period if impacts have stabilised.</p>	<p>Met. Field data recorded by Osborne and Wong (2013) has been adopted as the baseline data.</p> <p>Field research will be conducted annually. ANU is engaged to develop a research program for the corridor including PTWL habitat embellishment. This will be finalised before the end of 2020. PTWL surveys were conducted in 2019 (Capital Ecology, 2019). Further surveys will be undertaken in Spring 2020.</p>
<p>Establishment of a process of independent third party review of RMP</p>	25	<p>Prepare an annual report addressing MNES outcomes achieved in the previous year; lessons learned; include a financial audit; report to be made publicly available</p> <p>Report to be submitted to the ACT Conservator of Flora and Fauna</p>	Environmental Management Trust	<p>Within 2 months of the end of each financial year</p>	<p>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.</p>
Natural temperate grasslands					
<p>Management Actions as prescribed in the most recent approved version of the Jarramlee Offset Management Plan (ACT Government, 2013)</p>	26	<p>Manage Jarramlee Offset site in accord with the Jarramlee Offset Management Plan</p>	Environmental Management Trust	<p>Ongoing. An action required over the life of the program.</p>	<p>Partially met. PCS has an obligation to report separately and will provide a report directly to the Commonwealth.</p>
<p>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</p>	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 & mitigation measures where practicable</p> <p>Determine offset requirements for any residual impacts</p>	<p>Riverview Group</p> <p>Environmental Management Trust</p>	<p>Ongoing. An action required over the life of the program.</p>	<p>Met. No NTG will be impacted within the development, therefore no DPS is required.</p>

Osborne and Wong (2013).		<p>Identify an appropriate offset and establish</p> <p>Prepare & implement an offset management plan to incorporate in the WBCC management plan or a standalone plan</p>			
Major changes to infrastructure location (e.g. sewer alignment)					
Implementation of assessment process for additional unanticipated impacts to MNES within the Project Area due to major changes to infrastructure location (e.g. sewer alignment).	28	<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 & mitigation measures where practicable</p> <p>Determine offset requirements for any residual impacts</p> <p>Identify an appropriate offset and establish</p> <p>Prepare & implement an offset management plan to incorporate in the WBCC management plan or a standalone plan</p>	<p>Riverview Group</p> <p>Environmental Management Trust</p>	Ongoing. An action required over the life of the program.	<p>Partially met. Where 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.</p> <p>The Defined Process Strategy is being adopted. During the 19-20 year the proposed Trunk Sewer in the corridor was assessed using the Defined Process Strategy.</p> <p>The proposed development has been assessed as having the following unavoidable residual impacts on MNES:</p> <p>BGW: 0.17ha PTWL: 0.03</p> <p>An area for improvements will be implemented as per the Offset Plan. Work on the Trunk Sewer has been delayed.</p> <p>(Capital Ecology 2019 - Murrumbidgee Trunk Sewer–Stage 1–Ecological Impact Assessment)</p>
Threatened Bird Species					
Mitigate indirect impacts from urban development on threatened bird species.	29	<p>Implementation of CEMP's, WSUD principles, and the WBCC RMP. Replace affected farm dams with the provision of constructed wetlands where possible.</p>	<p>Riverview Group</p> <p>Environmental Management Trust</p>	Ongoing. An action required over the life of the program.	<p>A Ginninderry Development Construction Environment Management Plan (CEMP) Framework report (dated 12/10/2018) has subsequently been endorsed by the Commonwealth.</p> <p>CEMP Report can be accessed here.</p> <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>Farm dams have not been affected by urban development in the 2019-20 reporting year.</p>

3.3. Table 3 – Actions and Commitments of the Endorsed Program under EPBC Act

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 sought	Commitment	Where it is addressed in the Management Plan	Timing	Current Status
Previously unidentified MNES				
<p>Protection of Matters of National Environmental Significance that are identified in pre-construction surveys for permitted construction work.</p> <p>[EPBC PR4-1]</p>	<p>Prior to development of Conservation Corridor infrastructure, site surveys of threatened flora and fauna species will be conducted and populations of threatened flora and fauna species will be avoided or impacts managed in accordance with the Reserve Management Plan.</p> <p>The EPBC Approved Program Report (5.3.4) provides a Defined Process Strategy to address new information, newly listed MNES, or adjustments to the development program.</p>	<p>Sections 4.4.4, 5.5 and 6.1.3.</p> <p>Action VN 4</p>	<p>Several studies have been conducted from 2012 – 2019 to inform Offset and Management Plans:</p> <p>Baseline vegetation survey -2017</p> <p>Pink Tailed Worm Lizard – 2012/13 and again in 2018/19</p> <p>Rosenberg Goanna -2016</p> <p>Golden Sun Moth – 2012 and 2015</p> <p>Targeted birds survey -2013</p> <p>Flora and Fauna survey - 2013</p> <p>Natural Temperate Grasslands - 2020</p>	<p>Baseline information was collated and used to inform the Habitat/Condition Improvement Plans and Offset Management Plans.</p>
Box-Gum Woodland				
<p>A conservation area that includes 100% of identified box gum woodland (70.7 ha to be protected)</p> <p>[EPBC PR4-12]</p>	<p>Vary the Territory Plan, amend the National Capital Plan for all proposed land use changes. Zoning to be in place prior to commencement of construction in the ACT.</p>	<p>70.7 ha already protected within the Conservation Reserve in Stage 1 of the corridor– see Figure 7.</p>	<p>Complete.</p>	<p>The ACT Government amended the Territory Plan to establish the ACT portion of the Corridor as a Nature Reserve overlay of the Murrumbidgee River Corridor and to add 80 hectares to the River Corridor, while the Commonwealth Government concurrently amended the National Capital Plan under which the Murrumbidgee River Corridor is designated as important for the natural landscape setting and environmental quality of the national capital.</p>
<p>Preservation and enhancement of woodland habitats.</p> <p>[EPBC PR4-13]</p>	<p>Manage activities in the Ginninderry Conservation Corridor in accordance with a Reserve Management Plan.</p>	<p>Management of Box-Gum Woodland is provided in section 5.1.3.</p>	<p>Commonwealth Minister provided approval for the ACT component on the 03/01/2019</p>	<p>Activities in the Ginninderry Conservation Corridor are being managed in accordance with the Management Plan.</p> <p>Management activities in accordance with the Reserve Management Plan that</p>

	<p>The land manager is to seek approval of and implement the Plan.</p> <p>The Plan is to be approved by the ACT Conservator and Minister for the Environment (ACT component) and endorsed by the ACT Conservator (NSW component) in consultation with the NSW Office of Environment and Heritage.</p> <p>The Plan is to be finalised within 2 years of Ministerial endorsement of MNES plan and reviewed at intervals of no more than five years thereafter.</p>	<p>The development and approval processes for the Reserve Management Plan are described in section 1.3.</p>	<p>ACT Conservator (NSW component) gave endorsement on the 19/11/2018</p>	<p>have been completed or are ongoing include:</p> <p>Bushfire mitigation:</p> <ul style="list-style-type: none"> - Bushfire mitigation by grazing as a management tool. - Draft bushfire management plan being prepared and reviewed. <p>Communications:</p> <ul style="list-style-type: none"> - Information about cat containment has been published on Facebook and website. - Established a Facebook page and regularly sharing information. - Installed signage on the gates of the Conservation Corridor. <p>Habitat Restoration:</p> <ul style="list-style-type: none"> - Engaging Dr. Jane Roberts to undertake vegetation monitoring on Stream E. - African Lovegrass integrated weed management trial. Commenced and now at planting stage. - In discussion with ACT government regarding joint Kangaroo management plan. - Commenced weed control programs. - Draft vegetation condition monitoring framework drafted and under review. - Fencing realignment of the Strathnairn arts centre boundary is in progress. <p>PTWL:</p> <ul style="list-style-type: none"> - PTWL habitat expansion with scrape and sow site. Rock still to be added. <p>Recreation management:</p> <ul style="list-style-type: none"> - Planning and design of first tracks and Riverview park sites underway. <p>Volunteers:</p> <ul style="list-style-type: none"> - Breaky with bird's session. - Microlaena stipoides seed collection. - Arts development workshops being implemented in August. - CIT Science and horticultural students have undertaken work in the corridor. <p>Recruitment:</p> <ul style="list-style-type: none"> - Aboriginal identified Project Officer position engaged. <p>Reporting position engaged.</p> <p>Research:</p> <ul style="list-style-type: none"> - Has commissioned ANU to do a research prospectus
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<p>Establishment of a land management governance regime.</p> <p>[EPBC Con6, EPBC PR4-14]</p>	<p>Establish an Environmental Management Trust for management of the Ginninderry Conservation Corridor within 2 years of Ministerial endorsement of the MNES plan and prior to commencement of construction.</p>	<p>Section 1.3</p>	<p>The Trust was legally established in 2018 and operationally established in November 2019</p>	<p>Met. The Trust was formalised within 2 years of receiving Ministerial endorsement and prior to commencement of construction, and Section 303 Licence in place.</p> <p>An advisory group has been formed from the traditional knowledge holders for Ginninderry and the RAOs for the ACT.</p>
<p>Maintenance and enhancement of connectivity between Box Gum Woodland habitat areas.</p> <p>No appreciable long-term net reduction in total Box Gum Woodland habitat areas.</p> <p>[EPBC Con9, EPBC PR4-15]</p>	<p>All works that may affect Box Gum Woodland to be informed by relevant scientific expert advice.</p> <p>Roads and tracks to follow existing alignments where feasible and incorporate appropriate design techniques such as raised grating.</p> <p>Vehicle tracks are to be a maximum of 6 metres wide and other tracks/trails a maximum of 2.5m wide.</p> <p>Unused existing tracks are to be rehabilitated.</p> <p>Picnic and other facilities involving buildings and car parking are to avoid known high value habitat areas.</p> <p>Managed in accordance with the appended habitat and offset plan.</p>	<p>Section 5.1.3 and Actions BGW 2 and BGW 3.</p>	<p>Ongoing. An action required over the life of the program.</p>	<p>Partially met. 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 here</p> <p>Offset Plan can be found here</p>
<p>Protect habitat from domestic predators.</p> <p>[EPBC Con13, EPBC PR4-15]</p>	<p>Impose a cat containment policy in the ACT portion of the West Belconnen urban area and prohibit off-leash dogs in the Conservation Reserve.</p> <p>Cat Containment is to be mandated by the Territory Plan variation prior to commencement of any works. The dog control regime is to be established by the Trust.</p>	<p>Section 4.1.6 and Actions ER 9 and ER 10.</p> <p>Dog walking is addressed in sections 4.1.6 and 4.4.3.</p>	<p>Ongoing. An action required over the life of the program.</p> <p>Declaration of cat containment imposed by the Minister of Transport and City Services on the 20/06/2018. The Declaration can be found on the Ginninderry website under reports library.</p>	<p>Partially met. 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.</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.</p>
<p>Monitoring of impacts on habitat is ongoing. Monitoring will be consistent with Box-Gum Woodland monitoring across the ACT.</p> <p>[EPBC PR4-15]</p>	<p>Adopt field data recorded by Nash & Hogg (2013) as baseline data. Conduct periodic field research to assess change in the extent and quality of Box-Gum Woodland habitat every two years from the date of endorsement. The monitoring period can be reviewed if impacts have stabilised.</p>	<p>Section 5.1.3 and Action BGW 2.</p>		<p>Partially met. Field data recorded by Nash and Hogg (2013) has been adopted as the baseline data.</p> <p>A Box-Gum Woodland Management Plan has been completed as per EPBC approval. See appended Offset Management Plan and Ecological Monitoring Framework.</p> <p>BGW monitoring was undertaken by SMEC in 2017.</p> <p>BGW commitments: - Mapping extent of box-gum woodland, habitat features, and threats. – complete</p>

				<p>- Monitoring changes in the floristic condition and structure. Plot-based monitoring consistent with standard woodland monitoring protocols in the ACT, as outlined in Sharp (2015). Monitoring of at least 18 plots for which baseline data is available. – Not yet commenced</p> <p>A work plan has been prepared and reviewed by the Board. Surveys were not undertaken in 2019 as result of challenging climatic conditions. Surveys to be undertaken in Spring 2020.</p>
<p>Establishment of a process of independent third party review.</p> <p>[EPBC Con16, EPBC PR4-18]</p>	<p>Within 2 months of the end of each financial year, preparation of an annual report addressing MNES outcomes achieved in the previous year; lessons learned; and including an independent financial audit. The annual report is to be made publicly available and to be submitted to the ACT Conservator of Flora and Fauna.</p>	<p>Section 5.1.3 and Action BGW 7.</p>	<p>31 August each year</p>	<p>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.</p>



Figure 4: Box Gum Woodland in the Conservation Corridor



Figure 5: Box-Gum Woodland in the Conservation Corridor

Pink-tailed Work Lizard (PTWL)				
<p>A conservation area that includes 90% of identified PTWL habitat (144.7 Ha to ultimately be protected).</p> <p>[EPBC Con9, EPBC PR4-19]</p>	<p>Variation to the Territory Plan, amendment to the National Capital Plan and amendment to the Yass Valley Local Environment Plan for all proposed land use changes. ACT zoning is to be in place prior to commencement of construction in ACT. NSW zoning is to be in place prior to commencement of construction in NSW.</p>	<p>Contained within the Conservation Reserve – see Figure 5. 125.3 Ha already secured in ACT lands in Stages 1-2 of the corridor establishment.</p>		<p>Met. 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 Capital Ecology (2019). Resurveying determined there is a total of 162.8 hectares of PTWL habitat, comprising 152.1 ha of suitable habitat and 10.7 ha of low-quality habitat within the Project area, 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.</p> <p>The ACT Government amended the Territory Plan. Territory Plan variation 351 established the first 280 Ha areas as public land nature reserve.</p> <p>The Commonwealth Government concurrently amended the National Capital Plan under which the Murrumbidgee River Corridor is designated as important for the natural landscape setting and environmental quality of the national capital.</p> <p>The Parkwood Planning proposal pertaining to the NSW rezoning of the Ginninderry project has been approved on 17 July 2020. The NSW rezoning of the site protects PTWL habitat within</p>

				the future Ginninderry Conservation Corridor in E2 - Environmental Conservation zoning.
<p>Preservation and enhancement of PTWL habitats.</p> <p>[EPBC Con9, EPBC PR4-20]</p>	<p>Preparation of a habitat and offset management plan – see appended.</p>	<p>Management of PTWL habitat is provided in section 5.1.1 and in the detailed plan appended.</p>	<p>An offset management plan has been completed - 2018</p> <p>PTWL mapping and targeted surveys were completed in 2012/13 and again in 2018/19</p> <p>Capital Ecology completed a survey of the proposed construction site of the sewer tunnel in 2019</p>	<p>Met. PTWL targeted survey and habitat mapping was undertaken by Capital Ecology encompassing the ACT and NSW portion of the Ginninderry project area in 2018/19. This survey was performed to reconfirm the extent and condition of the PTWL habitat as mapped in 2011/12. The 2018/19 information was published on the Ginninderry Report Library webpage.</p> <p>Capital Ecology Report 2018 can be accessed here.</p> <p>Capital Ecology Report 2019 can be accessed here.</p> <p>Across the whole Ginninderry project area, a total of 162.8 ha of PTWL habitat was mapped comprising 152.1 ha of suitable habitat and 10.7 ha of low-quality habitat. The Offset Management Plan identifies approximately 44.1 ha in which habitat improvement and creation activities can be carried out to offset up to 16.4 ha (as required) of the approved adverse impacts on PTWL habitat in the development area. This is ongoing as the development moves into the next stages.</p> <p>Surveys were undertaken in the corridor prior to construction of the Trunk Sewer – stage 1 in 2019.</p>
<p>Establishment of a land management governance regime.</p> <p>[EPBC Con6, EPBC PR4-21]</p>	<p>Establishment of a Trust and partnership arrangements to deliver conservation program outcomes.</p>	<p>Section 1.3</p>	<p>Establishment of Trust complete.</p> <p>Establishment of partnerships, ongoing.</p>	<p>Partially met. The Ginninderry Conservation Trust was operationalised in November 2019.</p> <p>Several local researchers, research institutions, community conservation groups and local landholders have already contributed research and management advice to the development of the Corridor. These collaborative programs have been extended and new partnerships are being fostered.</p> <p>Current partnerships include:</p> <ul style="list-style-type: none"> - CIT – training and monitoring - Waterwatch Program – monitoring water quality in the streams flowing from the Ginninderry urban area through the Reserve to the Murrumbidgee River. - University of Canberra – water monitoring - ANU – research prospectus under development - Bush on the Boundary - Friends of the Grasslands - Ginninderra Catchment Group

<p>Maintenance and enhancement of connectivity between PTWL habitat areas.</p> <p>No appreciable long term net reduction in total PTWL habitat areas.</p> <p>[EPBC PR4-22]</p>	<p>All works that may affect PTWL habitat to be informed by relevant scientific expert advice.</p> <p>Roads and tracks to follow existing alignments where feasible and incorporate appropriate design techniques such as raised grating.</p> <p>Vehicle tracks are to be a maximum of 6 metres wide and other tracks/trails a maximum of 2.5m wide.</p> <p>Unused existing tracks are to be rehabilitated.</p> <p>Picnic and other facilities involving buildings and car parking are to avoid known high value habitat areas.</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>Ongoing.</p>	<p>Partially met as per Management Plan and Offset Plan.</p>
<p>Pink Tailed Worm Lizards are protected from domestic predators.</p> <p>[EPBC Con13, EPBC PR4-23]</p>	<p>Impose a cat containment policy in the ACT portion of the Ginninderry urban area and in the NSW portion in the future if suitable legislation comes into force.</p> <p>Prohibit off-leash dogs in the Conservation Reserve.</p>	<p>Section 4.1.6 and Actions ER 9 and ER 10.</p> <p>Dog walking is addressed in sections 4.1.6 and 4.4.3.</p>	<p>Declaration of cat containment imposed by the Minister of Transport and City Services on the 20/06/2018. The Declaration can be found on the Ginninderry website under reports library.</p>	<p>Partially met. 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.</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.</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>Ongoing monitoring of impacts on PTWL habitat.</p> <p>[EPBC PR4-24]</p>	<p>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 every 2 years from the date of endorsement. The monitoring period may be reviewed if impacts have stabilised.</p>	<p>Section 4.1.1, Action PTWL 2.</p> <p>See detailed offset and habitat plan appended.</p>	<p>Ongoing</p>	<p>Met. Data recorded by Osborne & Wong (2013) has been adopted as baseline data.</p> <p>A PTWL Lizard Habitat Management Plan has been completed and is included as part of the Offset management plan. Mapping was undertaken in 2019 by Capital Ecology.</p> <p>NTG mapping completed by Capital Ecology 2020 which assesses quality of most of the PTWL habitat, field survey and monitoring technique for populations being developed with first deployment in Spring 2020.</p>
<p>Establishment of a process of independent third party review.</p> <p>[EPBC Con16, EPBC PR4-25]</p>	<p>Within 2 months of the end of each financial year, preparation of an annual report addressing MNES outcomes achieved in the previous year; lessons learned; and including an independent financial audit. The annual report is to be made publicly available and to be submitted to the ACT Conservator of Flora and Fauna.</p>	<p>Section 5.1.3 and Action PTWL 6.</p>	<p>31 August each year</p>	<p>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.</p>



Figure 6: Pink-tailed Worm-lizard (*Aprasia parapulchella*)



Figure 7: Rocky outcrop and Pink-tailed Worm-Lizard habitat

4 Conclusion

This Annual Report and supporting information have 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 and the Ginninderry Conservation Corridor Management Plan.

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 met and reflected in the Annual report.

The Defined process strategy has been triggered within this reporting period for the micro sewer tunnel. While the works for the micro sewer tunnel has been approved by the Planning Authority via a Development application approval, works onsite have not yet commenced.

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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