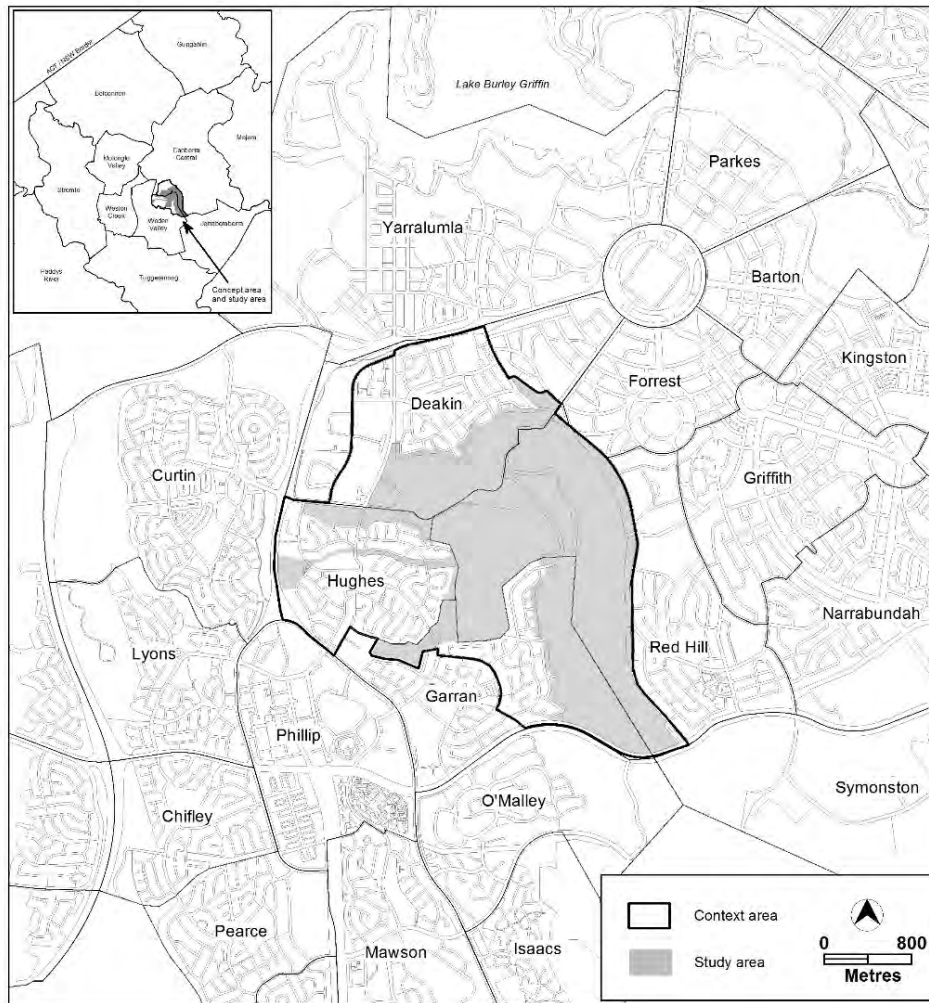


Background –Integrated Plan for Red Hill Nature Reserve and surrounds

Background

- **The Legislative Assembly resolved on 25 October 2017 to prepare an Integrated Plan for the Red Hill Nature Reserve and surrounding residential areas. In this regard, all Territory Plan Variations for land adjoining the nature reserve are to be delayed until the completion of the Integrated Plan**
- **Also in October 2017, two petitions with a total of some 3000 signatures were lodged with the Clerk of the Legislative Assembly in relation to protecting the Red Hill Nature Reserve.**
- **The resolution impacts on two proposed Territory Plan variations adjoining the Red Hill Nature Reserve at Deakin section 66 and at the Federal Golf Club.**
- **The integrated planning process takes a holistic approach to the future of the area, including the two proposed Territory Plan variations.**

Context – Red Hill Nature Reserve location



Red Hill Nature Reserve is located within the inner south area of Canberra.

It forms an essential part of the inner hills nature reserve system and has outstanding ecological values.

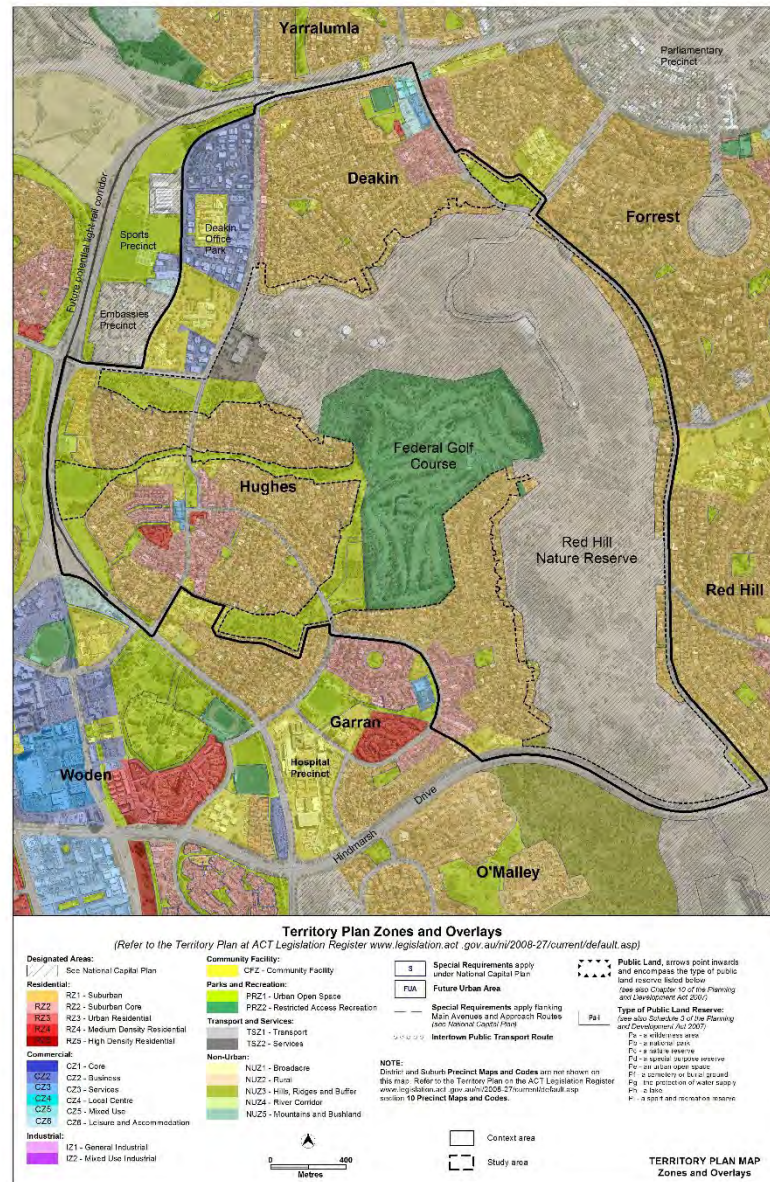
The reserve is a valuable recreation resource. It also provides a natural backdrop the residential suburbs of Red Hill, Forrest, Deakin, Hughes and Garran.

Context – Red Hill Nature Reserve and surrounds

The integrated plan areas is focused on the blocks immediately adjoining the Red Hill Nature Reserve.

However, the study area does not exist in isolation.

A broader context area has also been established to identify and assess land use implications for the integrated plan.



Study Area - Integrated Plan for the Red Hill Nature Reserve and surrounds

Inclusions:

Study area:

- Blocks adjoining the Nature Reserve
- Open space network with links to the reserve.

Broader context area:

- Residential areas of Deakin, Hughes and Garran
- Deakin office precinct



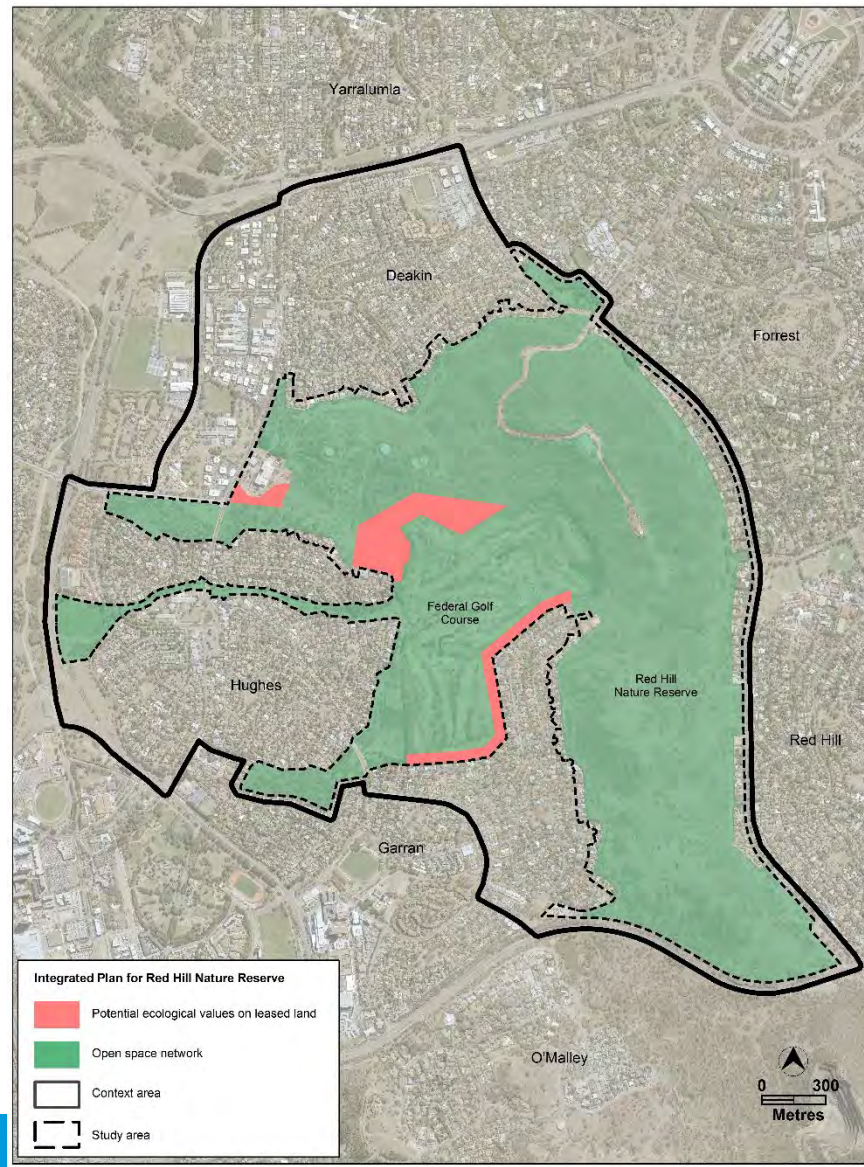
Exclusions:

- Residential areas of Red Hill, Forrest and parts of Garran.
- Embassy and sports precincts in Deakin.
- Hospital precinct in Garran
- Hindmarsh Drive/O'Malley

Opportunities and constraints - Ecological values of the Red Hill Nature Reserve and surrounds

The plan of management for the Nature Reserve has recently been reviewed – managing ecological values within the reserve.

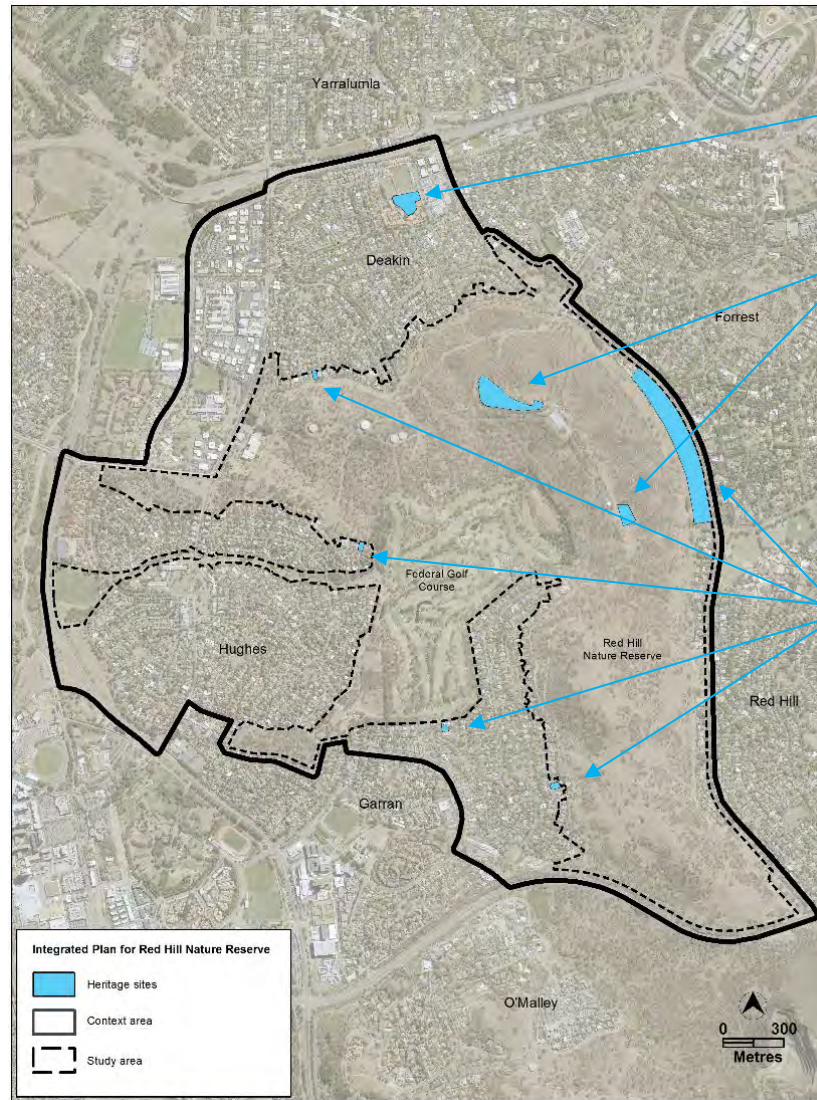
The open space network, including parts of the Federal Golf Course provide linkages to other high value areas including the Hughes Ridge



Potential high ecological values exist on leased land adjoining the Nature Reserve .

Opportunities and Constraints – Heritage values

The heritage values within the Red Hill Nature Reserve and surrounding are protected.



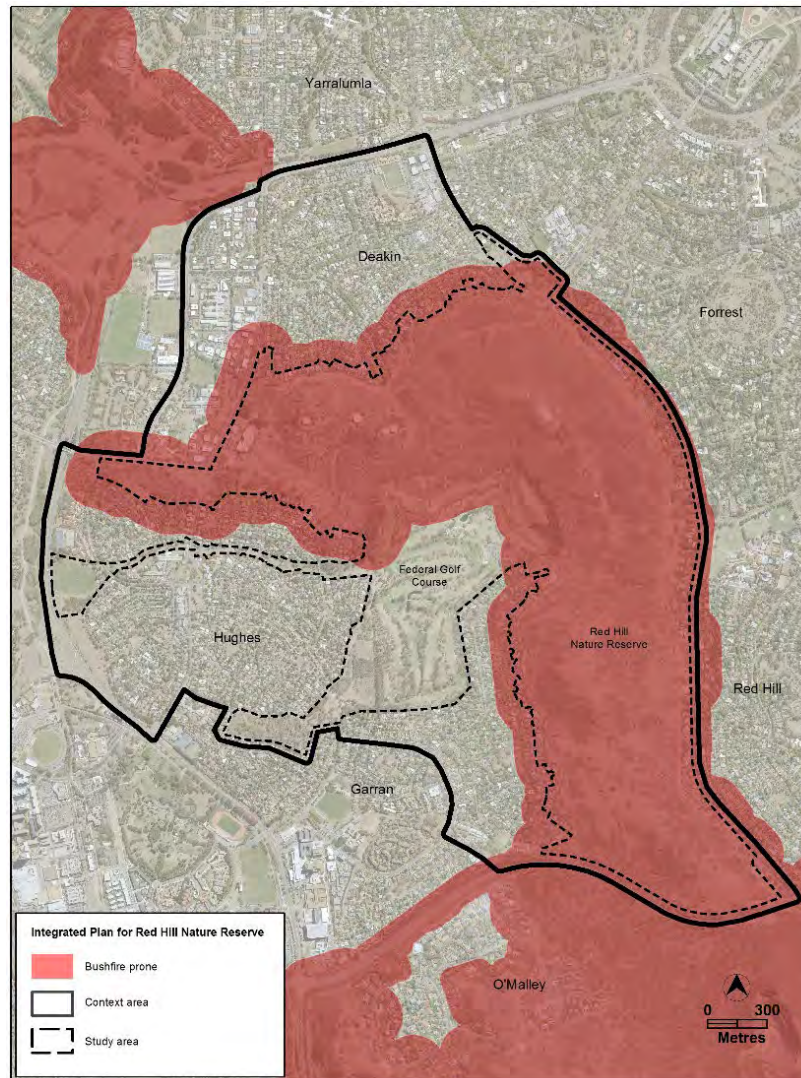
Natural heritage – Deakin Anticline

Cultural Heritage – Red Hill Historic Planting

Built form – Red Hill, Garran, Hughes and Deakin historic housing and architecture

Opportunities and Constraints – Bushfire hazard

The Red Hill Nature Reserve, and surrounding low density residential areas are subject to bushfire hazards. As are parts of the open space network, the Deakin office park and the Federal Golf Course.

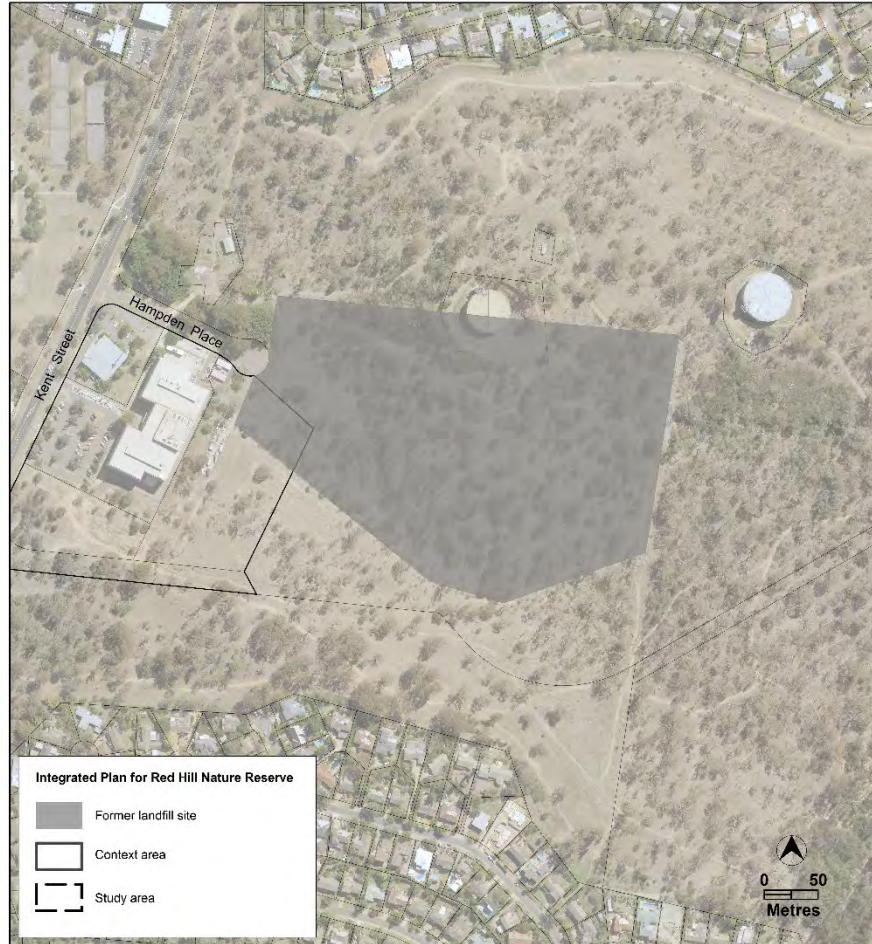


This constrains development potential in these areas particularly development for residential and other sensitive land uses.

Constraints include:
~ on site buffers and separation distances at Deakin Section 66
~ upgrading of existing roads and provision of alternative emergency access at the Federal Golf Club

Opportunities and constraints – contaminated land

The old Deakin land fill site is located primarily within the Red Hill Nature Reserve, but also extends into Deakin section 66.



Funding has been secured by the ACT Government to cap the old Deakin land fill.

Urban Development – Traffic and Access

Kent Street

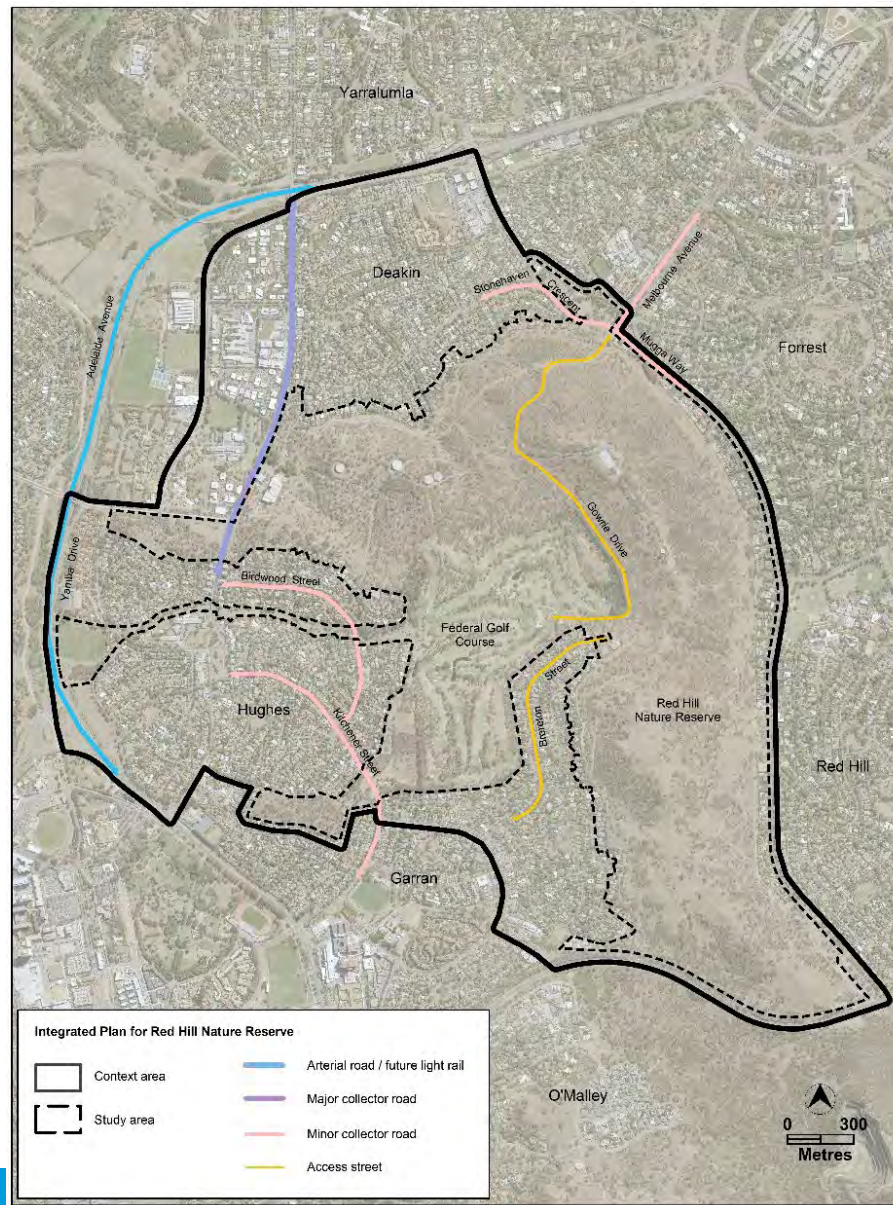
- requires upgrading to accommodate future development in its catchment.

Birdwood Street

-presents difficult access to the Federal Golf Club due to slopes and open space.

Kitchener Street

-offers potential access to the Federal Golf Club through public open space.



Gowrie Drive

-traverses the Nature Reserve and requires upgrading for future development at the Federal Golf Club. There may be impacts on ecological values.

Brereton Street

-is a residential access street only. It may be suitable as an emergency access to the Golf Club.
- Providing primary access to the Golf Club could create a thoroughfare to Forrester and Deakin.

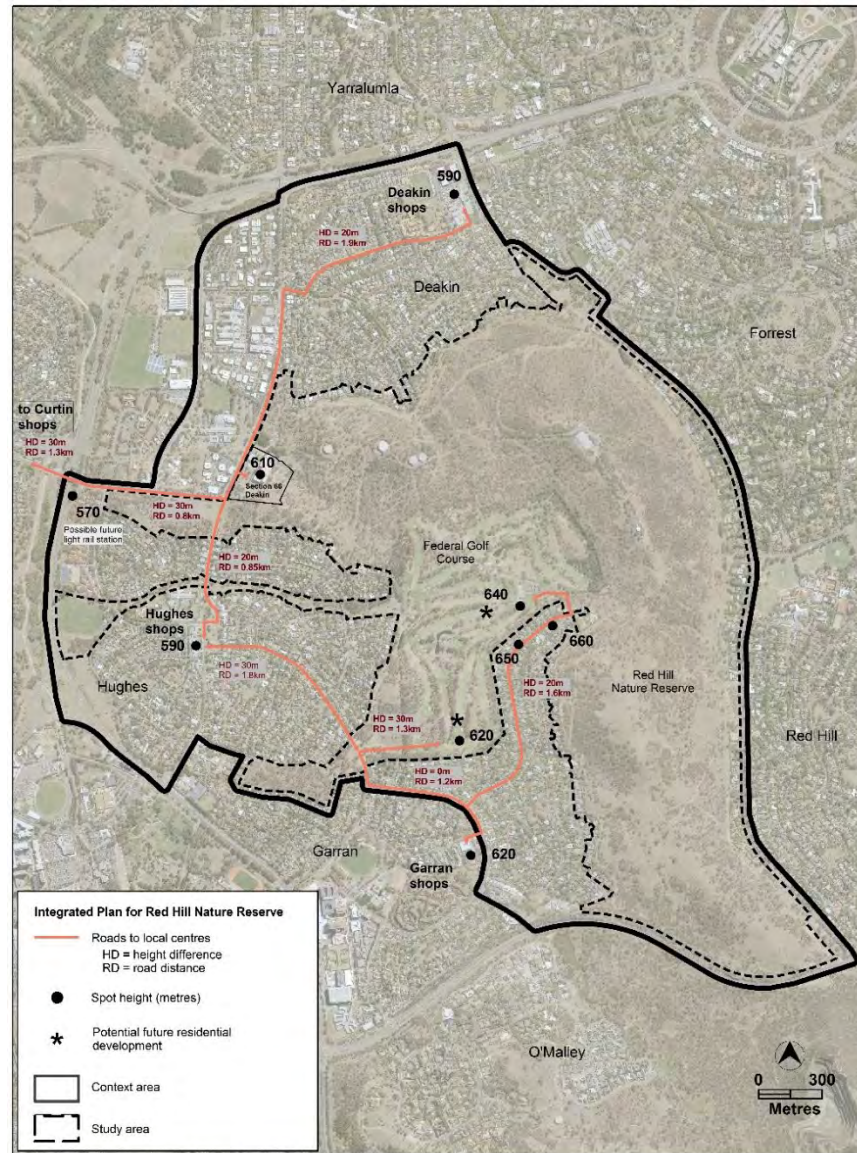
Urban development – residential services

Deakin Section 66

The site is removed from residential areas. It is located opposite the Deakin Office Park and community uses and Deakin High school.

The site is elevated 20 metres above both the Deakin shops (1.9km) & Hughes shops (850m)

The site is 40metres above the future light rail corridor on Adelaide Avenue. It has access to bus services on Kent Street.



Federal Golf Course

The site adjoins the residential suburbs of Garran and Hughes but is removed from services and local centres:

- The upper half of the course involves a 60metre height change and is some 1.6km from the Garran shops.
- The lower half of the course is at level with the Garran shops 1.2km away.
- There is no direct access to rapid transport from the Golf course sites.

Integrated Plan for Red Hill Nature Reserve and Surrounds

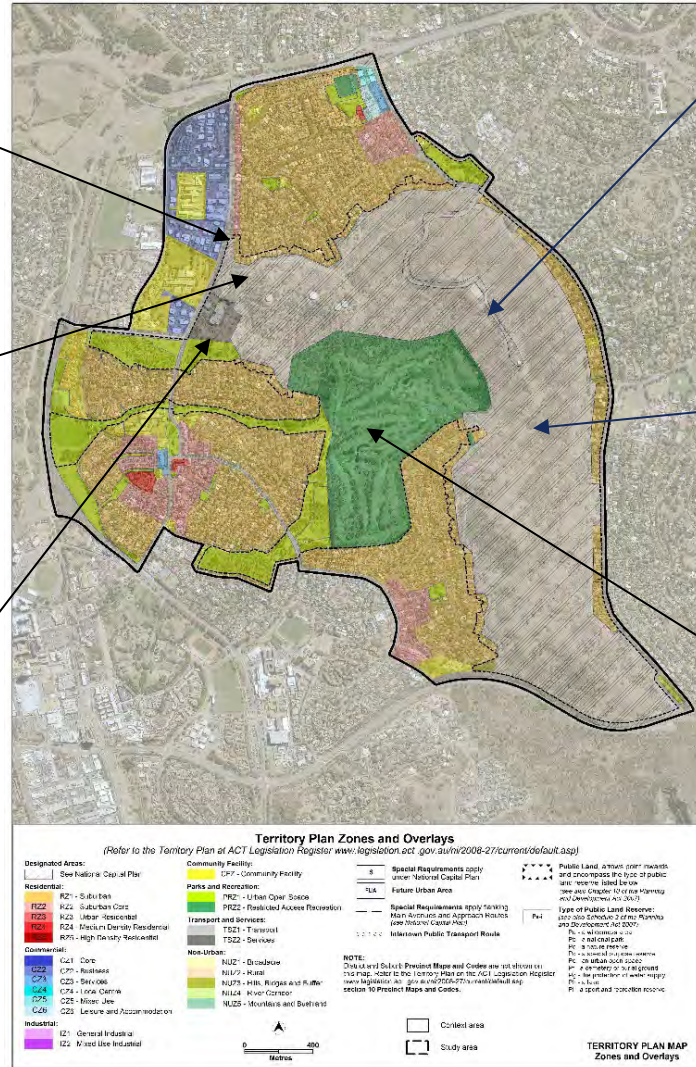
- **Development within the Red Hill Nature Reserve is administered by the National Capital Authority.**
- **Land management within the Red Hill Nature Reserve is contained in the Plan of Management for the Canberra Nature Reserve.**
- **Funding has been obtained to cap the old Deakin land fill.**
- **Heritage values within and surrounding the Nature Reserve are protected.**
- **The public open space network surrounding the Nature Reserve contribute to links and corridors.**
- **Urban development opportunities in existing residential areas adjoining the Nature Reserve are limited due to bush fire prone area, the low density settlement pattern and distance to shops and services.**
- **Urban development opportunities exist at Deakin Section 66 and at the Federal Golf Club, but constraints include: ecological values, bushfire prone areas, traffic and access, urban services for residential development and management of potential impacts on existing urban areas.**

Integrated Plan - Option 1 – Retain the current status

Kent Street is anticipated to require upgrading in response to development pressure in the area.

The old Deakin land fill will be capped under ACT Government funding.

Development could occur at Deakin section 66 consistent with the current Transport TS22 Services zoning.



The Red Hill Nature Reserve will be managed consistent with the Plan of Management for the Canberra Nature Park.

Development can occur in the Red Hill Nature reserve consistent with the National Capital Plan

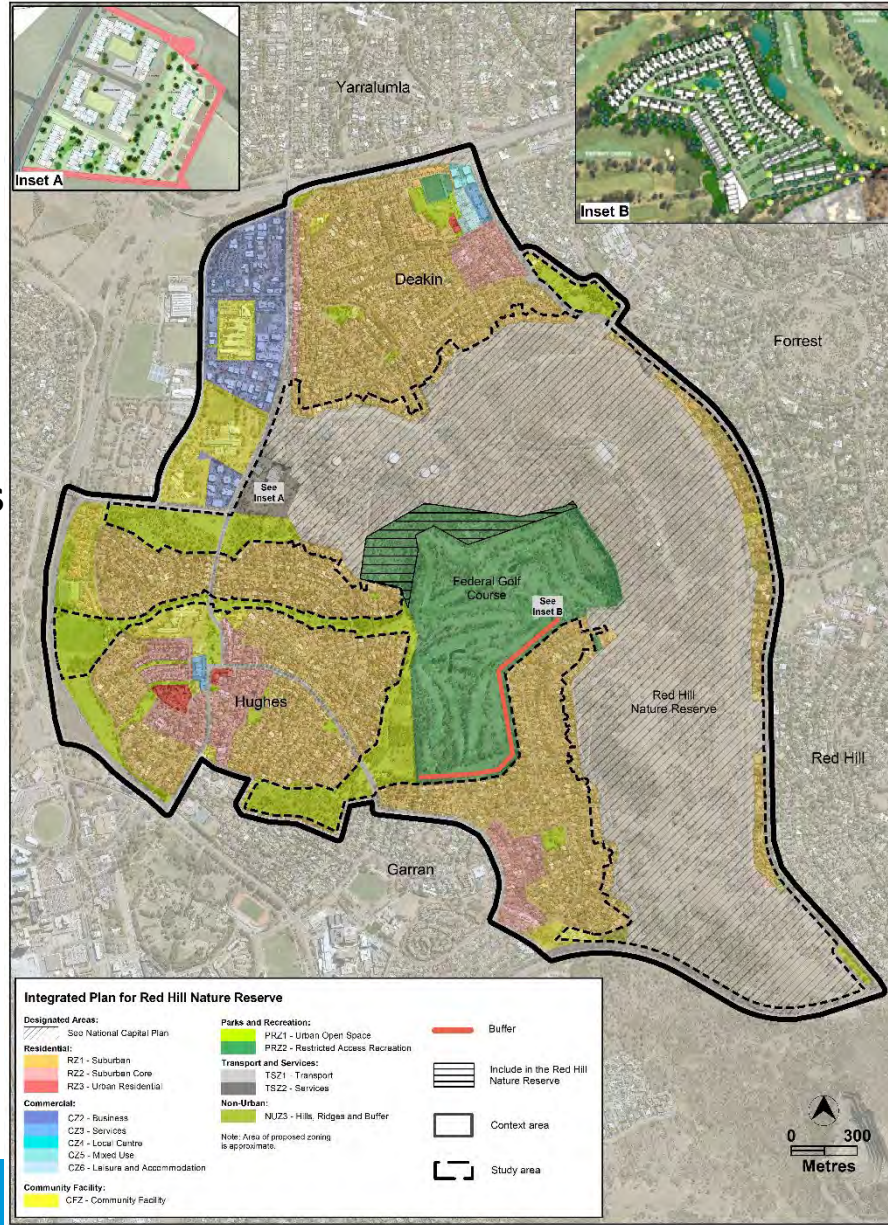
Development can occur on the Federal Golf Course site consistent with the existing lease and the current PR22 Restricted Access Recreation zoning.

Integrated Plan Option 2 – Urban development as proposed

Deakin section 66

Significant mixed use residential, office and retail redevelopment requiring:

- Addressing bushfire issues particularly for residential elements
- Environmental offsets as per EPBC
- Manage impacts on the Nature Reserve
- upgrade to Kent St
- capping of the old Deakin tip on-site



Federal Golf Club

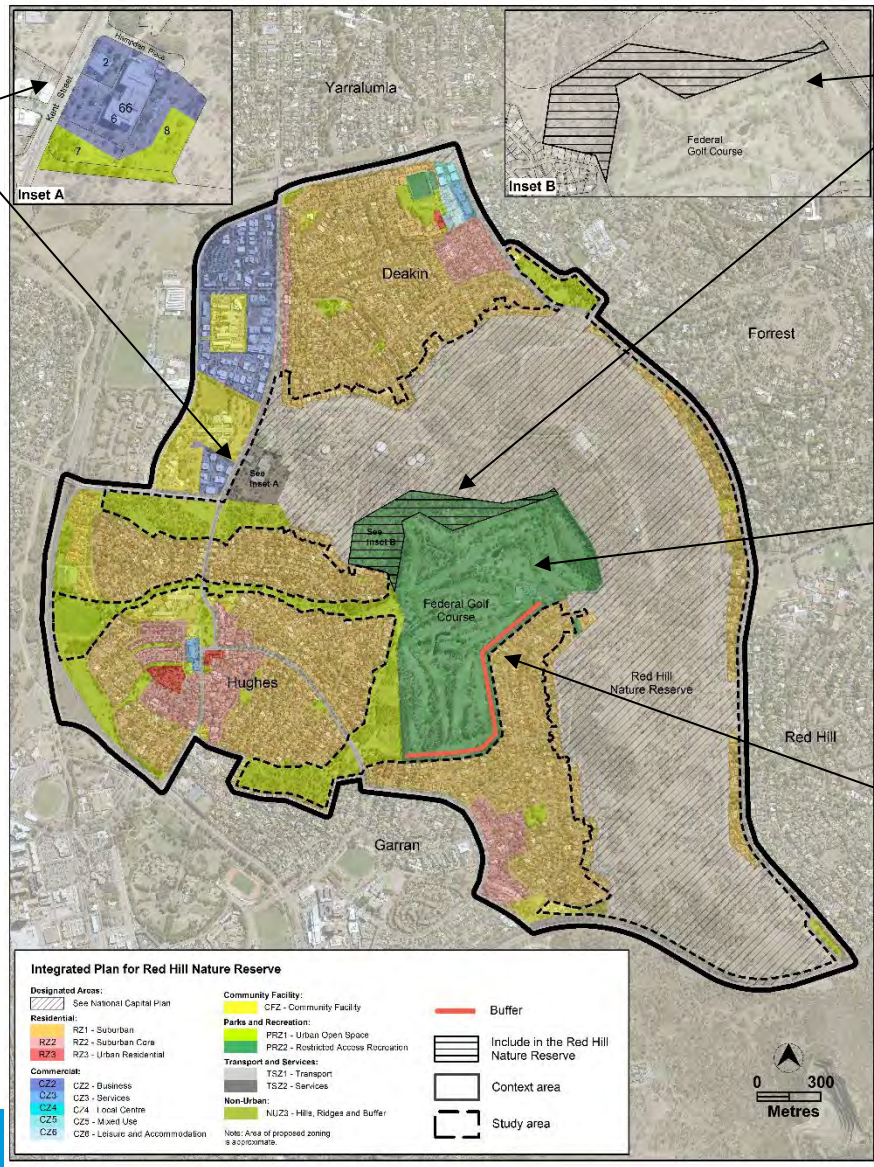
Retirement village requiring:

- Improvement access along Gowrie Drive to ESA standards and with NCA approval
- Secondary access via an unlocked gate.
- Include high value forested areas into the Nature Reserve under an environmental offsets as per EPBC
- Provide a 50metre wide buffer to existing residences.

Integrated Plan Option 3 – Expand Deakin Office Park and Urban Open Space network

Include Deakin Section 66 partly into the Deakin Office Park and open space system.

This involves rezoning the site to the C22 Business and PR22 Urban Open space zones and restricting residential development on the site.



Include high value forested areas into the Red Hill Nature Reserve

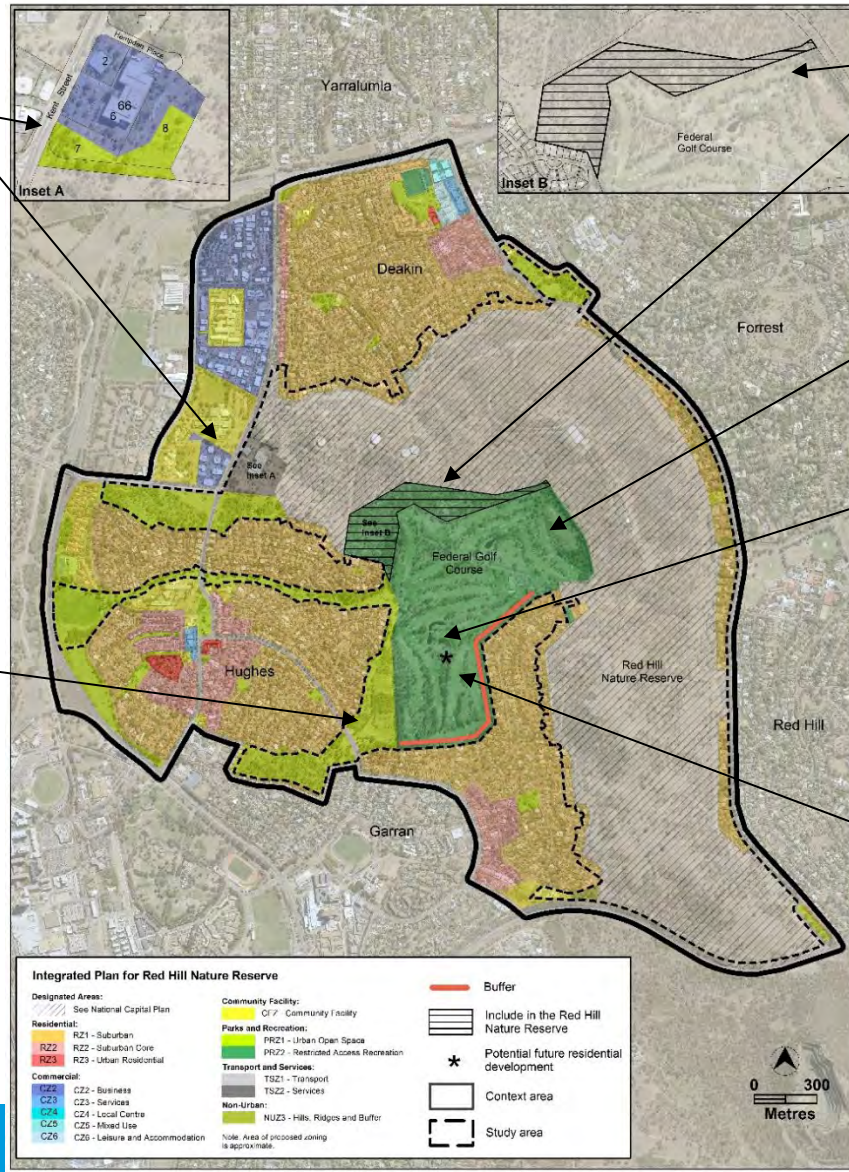
Future development options could be explored under the current PR22 restricted access recreation zoning

Provide a 50metre wide buffer to existing residences

Integrated Plan Option 4 – Expand Deakin office park & open space network, plus alternatives for the Golf Course

Include Deakin Section 66 into the Deakin Office Park precinct and open space system.

Investigate options for access to the Federal Golf Club site off Kitchener St via existing road stub.



Include high value forested areas into the Nature Reserve

Retain recreation uses at the golf course with access via Gowrie Drive

Investigate options for low density retirement style development on lower part of the golf course.

Provide a 50metre wide buffer to existing residences.



ACT
Government

Thank you

From: Paynter, Patrick
Sent: Monday, 25 March 2019 4:05 PM
To: Terrplan
Cc: Sayers, Caroline; Cousins, Meagan; Lashkari, Mohammadali
Subject: RE: Integrated Plan for Red Hill and Surrounds - options for public consultation (A18838388) [DLM=Sensitive]

Caroline,

Thanks for your well thought through draft presentation. EPSDD is going to have to work through the sorts of issues raised here in a creative way as we shift to a city based on more infill development. Minor initial comments below.

Kent St is more like 400m from light rail corridor (slide 12).

Buffers between new and existing similar development is probably a luxury we can ill-afford – notwithstanding the desire to placate existing residents. A 50m buffer is therefore questioned.

Access to Birdwood St will be opposed strongly but may be possible from an engineering perspective. We should check the capacity based on increased traffic numbers and road width/ classification.

For further discussion..

Patrick

From: Terrplan
Sent: Monday, 25 March 2019 10:41 AM
To: Paynter, Patrick <Patrick.Paynter@act.gov.au>; Cousins, Meagan <Meagan.Cousins@act.gov.au>
Subject: Integrated Plan for Red Hill and Surrounds - options for public consultation (A18838388) [DLM=Sensitive]

Hi Patrick and Meagan,

Noting that the final traffic analysis is still to be finalised, please consider whether you have any comments on the balance of the Red Hill options as outlined below....

Please find attached a power point presentation summary of the analysis and draft options of the Integrated Plan for Red Hill Nature Reserve and Surrounds.

Please provide all comments (including 'no comments') to the Territory Plan Section: terrplan@act.gov.au by **COB Wednesday 3 April 2019**.

The Territory Plan section is happy to meet with you should you wish to discuss the Integrated Planning process in detail.

Thanks
Caroline Sayers on behalf of the
Territory Plan Section

From: Baines, Greg
Sent: Monday, 25 March 2019 10:32 AM
To: ConservatorFloraFauna
Cc: Kitchin, Margaret
Subject: RE: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]

UNCLASSIFIED Sensitive

Hi Eliza,

Options 3 and 4 are preferential from an ecological perspective. These options protect the endangered Box Gum Woodland on Section 66 and Brereton Woodland on the golf course.

Option 3 is possible the best alternative. Option 4 allows for investigations into low density residential development on the golf course. This may still result in some impacts on Red Hill Nature Reserve if Gowrie Drive has to be upgraded for access purposes and may also impact on connectivity if access via Kitchener Street results in development of some urban open space.

Caroline's email refers to a 50 metre buffer between proposed development and Brereton woodlands. The maps provided for Option 3 and 4 show a 50 metre buffer between the proposed golf course development and the existing residences but I don't see any commitment to a buffer between the proposed development and the Brereton Woodlands. Such a buffer is required though it is difficult provide hard evidence on what width would be appropriate. I would suggest a 100 metre buffer based on guidelines for protecting Superb Parrot roosting trees and wintering habitat. Superb Parrot have been observed using Red Hill Nature Reserve and applying this buffer would be beneficial for the other threatened birds known to occupy the area.

I can confirm the Conservators advice in relation to Section 66 is correct and should be considered in the development of the Integrated Plan.

Let me know if you need further advice.

Regards

Greg

From: ConservatorFloraFauna
Sent: Friday, 22 March 2019 3:46 PM
To: Baines, Greg <Greg.Baines@act.gov.au>
Subject: FW: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]
Importance: High

Oh hi!

Are you able to provide some advice on this one please?

Thanks,

Eliza Larson | Project Officer | Conservator Liaison
Phone: +61 2 6207 7009 | Email: eliza.larson@act.gov.au

From: Terrplan
Sent: Friday, 22 March 2019 3:04 PM
To: Walker, IanS <IanS.Walker@act.gov.au>
Cc: ConservatorFloraFauna <ConservatorFloraFauna@act.gov.au>; Iglesias, Daniel <Daniel.Iglesias@act.gov.au>; Tomlinson, Heather <Heather.Tomlinson@act.gov.au>; Kendall, Matt <Matt.Kendall@act.gov.au>; Walters, Daniel <Daniel.WALTERS@act.gov.au>; Kitchin, Margaret <Margaret.Kitchin@act.gov.au>
Subject: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]
Importance: High

Hi Environment Division of EPSDD,

Please find attached a power point presentation summary of the analysis and draft options of the Integrated Plan for Red Hill Nature Reserve and Surrounds.

In relation to the various roles of the Environment we are most interested to obtain your comments in relation to the 4 proposed options. We also request specific advice in relation to the following key considerations:

- Please provide comments and advice in relation to the attached document about the Brereton woodlands which is located on the Federal Golf Course site. A key question is the width of the buffer to protect this woodland. Its current width is between 15metre and 90metres with an average of 30metres. For this reason the options documents has nominated a buffer of approximately 50metres wide.
- Please confirm advice from the Conservator of Flora and Fauna to the Planning Delivery Section (attached) in relation Deakin section 66. Can this advice be reliably used in relation to the Integrated Plan?
- What is the status of the Plan of Management for the Canberra Nature Park including the Red Hill Nature Reserve? We have been previously advised that it is under review.

- What is the status of the funding/project to cap the old Deakin tip? Will it include the parts of the old tip that are located on Deakin section 66 as well?

Please provide all comments (including 'no comments') to the Territory Plan Section: terrplan@act.gov.au by **COB Wednesday 3 April 2019**.

The Territory Plan section is happy to meet with you should you wish to discuss the Integrated Planning process in detail.

Thanks

Caroline Sayers on behalf of the
Territory Plan Section

From: Joseph, Gabriel
Sent: Wednesday, 3 April 2019 3:33 PM
To: Terrplan
Cc: TCCS_PlaceCoord; Uddin, Kamal; Balberona, Justinieta
Subject: RE: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]
Categories: Caroline

Please refer below to TCCS comments.

- We understand that while the ACT Government manage the land for consideration, all developments within the Federal Golf Course (FGC) are subject to NCA approval. While proposed development at FGC can occur as it is zoned as PRZ2 Restricted Access Recreation, proposed development at Deakin Section 66 which is currently zoned as TSZ2 Services requires a Territory Plan variation into CZ2 Business and PRZ2 Urban Open Space.
- From a transport planning perspective, all options should consider the impact of the proposed developments (Deakin Section 66 and at the Federal Golf Course) to the adjacent links and broader network including provision of:
 - General access for future residents and occupants of proposed developments
 - Noting proposed use of part of FGC as retirement village, emergency access in accordance with the Emergency Services Agency standards
 - Continuity of access for pedestrians and cyclists from existing shared paths
 - Connection from the developments, particularly Deakin Section 66, to bus stops.
 - Discourage rat-run through existing suburban roads.
- In this light, the land use (population, employment, retail space) implications for each of the four option needs to be articulated in the slides, i.e. noting that Deakin Section 66 is proposed to be a significant mixed use residential, office and retail development and a retirement village will be established at the FGC.
- It also has to be noted that while the streets adjacent to FGC (such as Kitchener Street, Birdwood Street and Brereton Street) may have capacity, all scenarios would have an impact on the performance of Kent Street and downstream to Yamba Drive and Hindmarsh Drive.
 - The Canberra Strategic Transport Model base case scenarios currently suggests that the northbound lane and southbound lane of Kent Street are running close to capacity during the AM peak and PM peak hour period.

- Traffic analysis undertaken by EPSDD showed that providing through access between Gowrie Drive and Brereton Street would attract rat-running and would result to significant additional traffic through Brereton Street, Gilmore Crescent and Kitchener Street.
- It is understood that EPSDD has commissioned work to analyse access to FGC via the stub along Kitchener Street and the extent of additional traffic generated from the development will be informed by this work.
- In light of the road works associated with the development, it can be explored that required road network improvements should be part of off-site works of the proposed developments.

Please let me know if you need further clarification.

Regards

GABRIEL JOSEPH | FIEAust CPEng NER

Director, Place Coordination

Ph: 02 6207 6581 | Email: gabriel.joseph@act.gov.au

Place Coordination and Planning | Transport Canberra and City Services Directorate | ACT Government

490 Northbourne Ave, Dickson | GPO Box 158 Canberra ACT 2601 | www.act.gov.au

Connected services for the people of Canberra

From: Terrplan

Sent: Friday, 22 March 2019 2:01 PM

To: Joseph, Gabriel <Gabriel.Joseph@act.gov.au>

Cc: TCCS_PlaceCoord <TCCS.PlaceCoord@act.gov.au>; Saunders, Cathryn <Cathryn.Saunders@act.gov.au>; Bell, Jeff <Jeff.Bell@act.gov.au>; Uddin, Kamal <Kamal.Uddin@act.gov.au>; Pillig, Carl <Carl.Pillig@act.gov.au>; Ahmed, Sharfuddin <Sharfuddin.Ahmed@act.gov.au>; Percival, Tom <Tom.Percival@act.gov.au>

Subject: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]

Hello Gabriel and TCCS,

Please find attached a power point presentation summary of the analysis and draft options of the Integrated Plan for Red Hill Nature Reserve and Surrounds.

You should be aware that EPSDD is currently conducting additional traffic analysis in relation to draft Option 4 - for access to the Federal Golf Course site via Birdwood and Kitchener Streets in Hughes. Once this work is completed TCCS Transport Planning and Roads ACT comments will be sought.

In the mean time we request your consideration and comments on the draft options from the perspective of the other TCCS functions and interests.

Please provide all comments (including 'no comments') to the Territory Plan Section: terrplan@act.gov.au by **COB Wednesday 3 April 2019**.

The Territory Plan section is happy to meet with you should you wish to discuss the Integrated Planning process in detail.

Thanks
Caroline Sayers on behalf of the
Territory Plan Section

From: Dakin, Michael
Sent: Thursday, 4 April 2019 12:40 PM
To: Terrplan
Cc: Craemer, Raoul; Clapham, David
Subject: FW: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]

Categories: Caroline

UNCLASSIFIED Sensitive

Hello Territory Plan Section

On behalf of Policy and Cabinet Division, CMTEDD, thank you for the opportunity to review the power point presentation summary regarding the proposed Integrated Plan, and specifically the opportunity to comment on the four proposed options.

By way of background, we note the following:

- The Hindmarsh Group has sought Government approval for a multi-unit residential development covering the entirety of Section 66 Deakin. However, 'Residential Use' is a prohibited development under the existing TSZ2 Services Zone.
- The Federal Golf Club has plans to develop a retirement village on its existing site (Block 1 Section 56, Red Hill). However, both 'Residential Use' and 'retirement village' are prohibited developments under the existing PRZ2 Restricted Access Recreation Zone.
- The proposed development on either of the above sites would therefore require Territory Plan variations (TPVs), noting also that the Zone Objectives for the existing applicable zones specify consideration of the surrounding landscape and/or adjoining development, as well as consideration of environmental values.
- The Resolution passed by the Assembly on 25 October 2017 included that the ACT Government *should not proceed with separate TPVs*, but should proceed with a *joint TPV* covering all relevant sites. The Resolution specified that the joint TPV should be progressed *only after completion of an Integrated Plan*.
- In accordance with the Resolution of 25 October 2017, the Integrated Plan should:
 - Include a detailed environmental plan to protect Red Hill Nature Reserve from the impact of the proposed developments;
 - address the joint transport and amenity impacts of the proposed developments;
 - include a detailed investigation of the old Deakin tip site and rule out development in any areas that may be contaminated and unsafe; and
 - limit development to proposals that have been developed in close consultation with the community and have a reasonable likelihood of majority community support.
- The two petitions on this matter, lodged in the Assembly in November 2017 (not October), did not extend beyond the issues addressed in the Resolution.
- The [Response to the petitions](#) from Minister Gentleman, provided to the Assembly in February 2018, committed to the development of an Integrated Plan to address all issues raised in the Resolution, including those raised in the petitions. The Response also undertook to consult with environmental groups, key

stakeholders and the general public, prior to the finalisation of the Integrated Plan. I note that the Resolution specifically lists a number of community groups with a direct interest in the proposed development on the Federal Golf Club site.

Noting the above points, we offer the following comments:

- Outside of specific discussion on each of the four options, it may be useful to clarify that all options (including the 'do nothing' option) will require the following:
 - Some level of roadworks/upgrades.
 - Appropriate management of the Reserve, in line with the Canberra Nature Parks Plan of Management.
 - Capping the old Deakin land fill site, and addressing any associated land contamination issues affecting adjoining land.
 - Addressing development proposals/needs on relevant blocks within the Study/Context Area.
- Also with application across all four options:
 - Consistent with the Assembly Resolution, addressing the environmental plan, the public consultation documents would benefit from further detail specifically on the Red Hill Reserve Plan of Management
 - Consistent with the Assembly Resolution, addressing the old Deakin land fill site, the public consultation documents would benefit from further discussion of site investigation, and the likely implications, including prohibited development, for development potential in contaminated and unsafe areas.
 - Consistent with Minister Gentleman's undertakings, the public consultation documents would benefit from a note specifying that the final Integrated Plan will also be subject to consultation with environmental groups and other key stakeholders.
- Option 1 (maintain current status):
 - We note that development remains possible subject to existing zoning requirements, however it may be useful to make explicit that the existing zoning precludes residential development (including a retirement village) at Section 66 Deakin and on the Federal Golf Club site.
 - Note: should the Government decide to not allow residential development at Section 66 Deakin or on the Federal Golf Club site, this would appear to be the most straightforward option, noting that the existing zoning already reflects the integration objectives.
 - Further to the above note, the consultation documents should clarify the Government's intentions in relation to allowing residential development on the affected blocks.
- Option 2 (TPVs to allow the proposed developments at Section 66 Deakin and on the Federal Golf Club site):
 - The power point presentation does not discuss zoning options to enable the proposed developments. We consider that some information on zoning options would help to facilitate public consultation.
 - For Section 66 Deakin, careful consideration would need to be given to the details of the proposed development to ensure appropriate visual amenity, as well as protection of environmental values. Public consultation may benefit from specific opportunity for consideration of these matters.
 - We consider that questions around bushfire risks on the Deakin site, whilst critical, assume viability of the development as proposed. We therefore recommend that the viability questions be addressed as a higher priority, and that the public consultation provide explicit opportunity for discussion of those questions.
 - The Federal Golf Club proposal appears to involve a low impact on visual amenity or environmental values, relative to the proposed development on the Deakin site. However there may be objections from golf course patrons, and potential village residents would likely have limited access to transport and services (notwithstanding the proposed road upgrades). These matters could usefully be explored through the public consultation.
- Option 3 (TPVs, specifically for Section 66 Deakin, to allow expansion of Deakin Office Park into the site)

- For public consultation purposes, it should be made clear that 'Residential Use' is a prohibited development under the PRZ2 Restricted Access Recreation Zone. Accordingly, 'restricting residential development on the site' would mean that residential development could only occur on the portion of the site zoned as CZ2 Business Zone, and only in accordance with the primarily business-oriented objectives associated with that zoning.
- Whilst it is noted that the Golf Club site's existing PRZ2 Restricted Access Recreation Zone allows 'future development options', it should be made clear, for the purpose of public consultation, that these options can not include residential development or development of a retirement village.
- There may be value in making explicit that this option exists as a compromise option between Options 1 and 2.
- Option 4 (Amounts to Option 3 PLUS consideration of retirement accommodation on the golf course)
 - See comments under Option 3 above, in addition to the below comments.
 - Noting that the existing zoning of the golf course site does not permit development of a retirement village, low density or otherwise, public consultation should provide opportunity for consideration of alternative zoning options to permit the development.
 - Similar to comments under Option 2 above, consideration should also be given to potential impacts on golf course users, and accessibility to transport and services for potential retirement village residents.

Happy to discuss these comments further

Regards

Michael Dakin | Policy Officer

Phone: +61 2 6205 0460 | Fax: +61 2 6207 0025 | Email: michael.dakin@act.gov.au

Economic and Regional Policy | Chief Minister, Treasury and Economic Development | ACT Government

Level 5 Canberra Nara Centre | GPO Box 158 Canberra ACT 2601 | www.act.gov.au

I leave work at 2pm Monday, Tuesday and Wednesday. I work usual business hours Thursday and Friday.

From: Craemer, Raoul

Sent: Friday, 22 March 2019 2:29 PM

To: Dakin, Michael <Michael.Dakin@act.gov.au>

Subject: FW: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]

Hi Michael

If you have any thoughts on this, please let me know.

Cheers,

Raoul

From: Terrplan

Sent: Friday, 22 March 2019 2:11 PM

To: Blume, Kristin <Kristin.Blume@act.gov.au>; Clapham, David <David.Clapham@act.gov.au>; CMTEDD, Economic Development <ecodev@act.gov.au>

Cc: Craemer, Raoul <Raoul.Craemer@act.gov.au>; Dolejsi, Simon <Simon.Dolejsi@act.gov.au>

Subject: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]

Hi CMTEDD,

Please find attached a power point presentation summary of the analysis and draft options of the Integrated Plan for Red Hill Nature Reserve and Surrounds.

In relation to the various roles of CMTEDD we are most interested to obtain your comments in relation to the 4 proposed options.

Please provide all comments (including 'no comments') to the Territory Plan Section: terrplan@act.gov.au by **COB Wednesday 3 April 2019**.

The Territory Plan section is happy to meet with you should you wish to discuss the Integrated Planning process in detail.

Thanks

Caroline Sayers on behalf of the
Territory Plan Section

From: Jeffrey, David
Sent: Thursday, 4 April 2019 1:25 PM
To: Terrplan; Sayers, Caroline
Cc: Dolejsi, Simon; Kelley, Rebecca
Subject: FW: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]

Attention – Territory Plan Section

Thank you for the opportunity to comment on the draft options for the Integrated Plan for Red Hill Nature Reserve and Surrounds.

Noting the costs associated with maintaining sport and recreation infrastructure, particularly sportsgrounds and golf courses, CMTEDD – Sport and Recreation supports exploring options which may allow Federal Golf Club to redevelop a portion of its facility to secure their long-term viability. This support would be contingent on the club retaining a 18 hole golf course with associated amenities on the site. Compared to any privately owned golf course, any profits derived from redeveloping a portion of the golf course land would be retained by the club for the benefit of its members and the public that utilise the facility.

Of those proposed, option 4 (investigation of options for low density retirement style development on the lower part of the golf course) represents the best opportunity for the Federal Golf Club to generate significant revenue to support their operations into the future, including having sufficient funds to upgrade and replacing ageing infrastructure at the golf course.

Option 3 would be less appealing for the Federal Golf Club. Retaining a PRZ2 zoning over the entire site would limit commercial opportunities for the club to a motel/hotel/guesthouse. It is likely that this would generate less revenue for the club when compared to development of retirement style residential accommodation as suggested in option 4.

In principle, CMTEDD Sport and Recreation doesn't object to alternate access options to the golf club being explored (i.e. Kitchener Street) – noting CMTEDD – Sport and Recreation is not the land custodian for any of the land.

Feel free to contact me should you have any questions regarding these comments.

Regards,

David Jeffrey

A/g Deputy Director | Sport and Recreation
Economic Development | Chief Ministers, Treasury and Economic Development Directorate | ACT Government
Level 3, Canberra Nara Centre, 1 Constitution Avenue, Canberra City ACT 2608
Phone: 02 6207 5815 | Mobile: [REDACTED]
<http://www.sport.act.gov.au/>

From: Terrplan
Sent: Friday, 22 March 2019 2:15 PM
To: Jeffrey, David <David.Jeffrey@act.gov.au>
Subject: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]

Hi David,

Please find attached a power point presentation summary of the analysis and draft options of the Integrated Plan for Red Hill Nature Reserve and Surrounds.

We are most interested to obtain your comments in relation to the 4 proposed options. A key consideration is the potential loss of part of the Golf Course site for a retirement village. We are also keen to obtain your views in relation to the option for access to the Golf Course site via public open space to Kitchener Street in Hughes (under option 4).

Please provide all comments (including 'no comments') to the Territory Plan Section: terrplan@act.gov.au by **COB Wednesday 3 April 2019**.

The Territory Plan section is happy to meet with you should you wish to discuss the Integrated Planning process in detail.

Thanks
Caroline Sayers on behalf of the
Territory Plan Section

From: Walker, IanS
Sent: Friday, 5 April 2019 1:16 PM
To: Terrplan
Cc: Larson, Eliza
Subject: FW: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]
Attachments: Attachment A 20190211 Integrated Plan for Red Hill and Surrounds - options for public consultation.pptx; Brereton woodland Report - Word Doct.docx; Integrated Plan for Red Hill [DLM=Sensitive]

Importance: High

Sorry for the delay in responding

Comments provided below:

- Options 3 and 4 are preferential from an ecological perspective. These options protect the endangered Box Gum Woodland on Section 66 and Brereton Woodland on the golf course.
- Option 3 is possibly the best alternative. Option 4 allows for investigations into low density residential development on the golf course. This may still result in some impacts on Red Hill Nature Reserve if Gowrie Drive has to be upgraded for access purposes and may also impact on connectivity if access via Kitchener Street results in development of some urban open space.
- The maps provided for Option 3 and 4 show a 50 metre buffer between the proposed golf course development and the existing residences but there does not appear to be any commitment to a buffer between the proposed development and the Brereton Woodlands. Such a buffer is required though it is difficult to provide hard evidence on what width would be appropriate. Based on guidelines for protecting Superb Parrot roosting trees and wintering habitat, a 100 metre buffer may be suitable. Superb Parrots have been observed using Red Hill Nature Reserve and applying this buffer would be beneficial for the other threatened birds known to occupy the area.
- Previous Conservator advice regarding Section 66 is correct and should be considered in the development of the Integrated Plan.

Ian Walker

ACT Conservator

Phone: +61 6205 9027 | Email: IanS.Walker@act.gov.au

Environment, Planning and Sustainable Development Directorate | ACT Government

Dame Pattie Menzies House, Challis Street, Dickson | GPO Box 158 Canberra ACT 2602 www.environment.act.gov.au

We acknowledge and celebrate the Ngunnawal peoples whose traditional lands we work on and pay our respect to elders past and present

From: Terrplan

Sent: Friday, 22 March 2019 3:04 PM

To: Walker, IanS <IanS.Walker@act.gov.au>

Cc: ConservatorFloraFauna <ConservatorFloraFauna@act.gov.au>; Iglesias, Daniel <Daniel.Iglesias@act.gov.au>; Tomlinson, Heather <Heather.Tomlinson@act.gov.au>; Kendall, Matt <Matt.Kendall@act.gov.au>; Walters, Daniel <Daniel.WALTERS@act.gov.au>; Kitchin, Margaret <Margaret.Kitchin@act.gov.au>

Subject: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]

Importance: High

Hi Environment Division of EPSDD,

Please find attached a power point presentation summary of the analysis and draft options of the Integrated Plan for Red Hill Nature Reserve and Surrounds.

In relation to the various roles of the Environment we are most interested to obtain your comments in relation to the 4 proposed options. We also request specific advice in relation to the following key considerations:

- Please provide comments and advice in relation to the attached document about the Brereton woodlands which is located on the Federal Golf Course site. A key question is the width of the buffer to protect this woodland. Its current width is between 15metre and 90metres with an average of 30metres. For this reason the options documents has nominated a buffer of approximately 50metres wide.
- Please confirm advice from the Conservator of Flora and Fauna to the Planning Delivery Section (attached) in relation Deakin section 66. Can this advice be reliably used in relation to the Integrated Plan?
- What is the status of the Plan of Management for the Canberra Nature Park including the Red Hill Nature Reserve? We have been previously advised that it is under review.
- What is the status of the funding/project to cap the old Deakin tip? Will it include the parts of the old tip that are located on Deakin section 66 as well?

Please provide all comments (including 'no comments') to the Territory Plan Section: terrplan@act.gov.au by **COB Wednesday 3 April 2019**.

The Territory Plan section is happy to meet with you should you wish to discuss the Integrated Planning process in detail.

Thanks
Caroline Sayers on behalf of the
Territory Plan Section

From: Terrplan
Sent: Wednesday, 10 April 2019 12:33 PM
To: Sayers, Caroline
Subject: FW: Integrated Plan for Red Hill and Surrounds - options for public consultation (A18838388) [DLM=Sensitive]
Importance: High

Hi Caroline,

Terrplan response on Integrated Plan for Red Hill and Surrounds,

Territory Plan Section | General Enquiries Inbox

Email: terrplan@act.gov.au

Planning Policy | Environment, Planning and Sustainable Development Directorate | ACT Government

Dame Pattie Menzies House, 16 Challis Street, Dickson | GPO Box 158 Canberra ACT 2601 | www.planning.act.gov.au

From: Gianakis, Steven
Sent: Wednesday, 10 April 2019 12:27 PM
To: Terrplan <Terrplan@act.gov.au>; Sayers, Caroline <Caroline.Sayers@act.gov.au>
Cc: EPD Strategic Planning Referrals <EPDStrategicPlanningReferrals@act.gov.au>; Ali, Syed <Syed.Ali@act.gov.au>; Crowe, Rochelle <Rochelle.Crowe@act.gov.au>; Moroney, Anne <Anne.Moroney@act.gov.au>
Subject: FW: Integrated Plan for Red Hill and Surrounds - options for public consultation (A18838388) [DLM=Sensitive]
Importance: High

Dear Territory Plan Team,

Thank you for meeting to discuss the material provided and for the opportunity to provide comment on the integrated plan for Red Hill. We provide the following input.

Federal Golf Course

- An option that locates any residential development contiguous with the existing residential area is preferable to locating development at the remote end of the golf course (such as Option 2 as proposed by the proponent). The site for a possible retirement village style development should consider overall connection with the surrounding established area both in terms of physical connections for example to public transport routes, access to community facilities and services and social networks and communities in nearby areas.

- The proposed 50 m buffer is supported to minimise impacts on already established residential areas and the future use/development of the golf course.
- Any future zoning change to allow for low density retirement style housing should be appropriate to ensure the site is used for this purpose and not convert to standard residential development over time. In this regard a CFZ zone may be appropriate rather than RZ1 for example. Any proposed zoning changes and how the proposed uses would be defined in the Territory Plan in terms of housing/accommodation for older people will also be important once a more detailed proposal or options are pursued.
- If a proposal for a retirement style village is proposed, consideration should be given to incorporating appropriate multipurpose flexible space to be used by residents for a variety of purposes. Areas may include, multipurpose rooms for meetings or visiting services, a workshop space potentially indoor and outdoor, outdoor spaces for gathering. Consideration may also be given to walking and cycling trails within the development to enhance connectivity and provide opportunities for active lifestyles. A space to establish a community garden may also be desirable.
- At this early stage there may be the opportunity to investigate the potential to partner with other commercial or government providers to co-locate relevant other services. For example medical and other allied health services which could take the form of a facility or use of space and facilities within the proposed development. This could both be a draw card for the development and provide greater social and health benefits.

Section 66

- Although CZ2 commercial zone is intended to cater predominant use of office and businesses, the zone also allows residential use and similar. There is no control about the restricting residential in CZ2 zone in the Commercial Development Code in the Territory Plan.
- To be consistent with the vision of Option 4, it is recommended that the Precinct Code (varied) will impose restrictions on residential, commercial accommodation and other similar uses on Section 66. Deakin Precinct Map and Code has various overlay (e.g. PD3) restricting a ranges of uses on CZ2 zone, which can be extended to Section 66.
- A commercial office space analysis may be useful in understanding the demand for office space in this location and may assist in determining the appropriate future mix of commercial and possible other uses on Section 66.

Strategic Planning would be happy to contribute further in refining the integrated plan and the options available. Please don't hesitate to contact Rochelle Crowe or Syed Ali for further information or discussion.

Kind regards
Steven

From: Terrplan

Sent: Monday, 25 March 2019 10:39 AM

To: Fitzgerald, Bruce <Bruce.Fitzgerald@act.gov.au>; EPD Strategic Planning Referrals <EPDStrategicPlanningReferrals@act.gov.au>

Cc: Moore, AlisonM (ACTPLA) <AlisonM.Moore@act.gov.au>; Gianakis, Steven <Steven.Gianakis@act.gov.au>; Moroney, Anne <Anne.Moroney@act.gov.au>; Richardson,

Dave <Dave.Richardson@act.gov.au>; Finlay, Jennifer <Jennifer.Finlay@act.gov.au>; Power, Gary <Gary.Power@act.gov.au>

Subject: Integrated Plan for Red Hill and Surrounds - options for public consultation (A18838388) [DLM=Sensitive]

Hi all,

Please find attached a power point presentation summary of the analysis and draft options of the Integrated Plan for Red Hill Nature Reserve and Surrounds.

Please provide all comments (including 'no comments') to the Territory Plan Section: terrplan@act.gov.au by **COB Wednesday 3 April 2019**.

The Territory Plan section is happy to meet with you should you wish to discuss the Integrated Planning process in detail.

Thanks

Caroline Sayers on behalf of the
Territory Plan Section



ACT Emergency Services Agency
Development Application Review

Risk and Planning Section | 9 Amberley Avenue | Fairbairn Business Park | Majura ACT 2609

EPD Customer Services
Environment, Planning and Sustainable Development Directorate
16 Challis Street
DICKSON ACT 2602

DEVELOPMENT APPLICATION NO: Integrated Plan **DATE RECEIVED:** 22 March 2019
ESA REFERENCE: 2019059 **DATE DUE:** 03 April 2019

DESCRIPTION OF THE PROPOSAL: Draft options of the Integrated Plan for Red Hill Nature Reserve and Surrounds.

BLOCK:	SECTION:	DIVISION: Red Hill
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The ACT Emergency Service Agency has assessed the proposal and provided the following advice:

	Reviewed	Advice Provided	Further Information Required	Attachment Provided
ESA Risk and Planning	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ACT Fire & Rescue	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ACT Rural Fire Service	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ACT State Emergency Service	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ACT Ambulance Service	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

RECOMMENDATION:

That you NOTE the ESA Review of this Development Application.

Advice provided No Advice Provided Further information required

Comments:

David Foot ASM
Executive Branch Manager
Executive Branch Manager, Risk & Planning
Risk and Planning
ACT Emergency Services Agency
Date 12/4/19



ACT FIRE & RESCUE RISK AND PLANNING SECTION

9 Amberley Avenue | Fairbairn Business Park | Majura ACT 2609

Caroline Sawyers
Planning Policy Division - EPSDD
Dame Pattie Menzies House, 16 Challis St
DICKSON ACT 2602

DATE: 10 April 2019

RE: Draft options of the Integrated Plan for Red Hill Nature Reserve and Surrounds

Hello Caroline,

The letter is in response to your request for comment on the draft options of the Integrated Plan for Red Hill Nature Reserve and Surrounds dated 22 March 2019.

ACT Fire & Rescue has reviewed the options of the Integrated Plan for Red Hill Nature Reserve and Surrounds and provides the following comments.

- ACTF&R preferred option is Integrated Plan Option 4 – Expand Deakin office park & open space network, plus alternatives for the Golf Course.
- This preference takes into account –
 - A low density retirement style development on lower part of the golf course further away from the threat of bushfire associated with the Red Hill Nature Reserve.
 - Secondary access options to the Federal Golf Club site off Kitchener St, noting that the current single access.

ACT Fire & Rescue notes that with Option 4 there is an avenue for the inclusion and further development of Section 66. Section 66 is currently mapped as bushfire prone by the ESA and any development options considered here will need to take into account the high threat nature of this site. In particular high risk developments (Special Fire Protection Purpose) such as aged care, health care or education facilities would not be supported.

Regards


Mark Brown
Chief Officer,
ACT Fire & Rescue
10 April 2019

From: [REDACTED]
Sent: Monday, 22 April 2019 8:48 AM
To: Brady, Erin
Cc: Cusack, Kathy; Sayers, Caroline; [REDACTED]
Subject: Red Hill Integrated Plan
Attachments: FGC Ornithological Survey.docx; Attachment B.xlsx; Attachment C.docx; Attachments A D andE.docx

Hello Erin

Please find attached the results of an Ornithological Survey that [REDACTED] and I commissioned for the northern part of the Federal Golf Club.

A key reason for commissioning the survey was the fact that there was very little information about bird species to be found on the golf course. In our view it is critical that the development of the Integrated Plan takes into account the bird species found in the area and includes measures to protect threatened species.

As you will see the Survey is comprehensive and undertaken in a professional manner by a highly respected Canberra ornithologist. The Survey found that the northern part of the golf course has a diverse bird population and includes a number of significant species. This result is in stark contrast with the findings put forward by environmental consultants employed by development interests.

A key finding of the Survey was the discovery of a significant population of Superb Parrots, which is a threatened species, listed as vulnerable in the ACT and nationally under the EPBC Act. If any large development or other disturbing activity is allowed within the vicinity of this Superb Parrot population this area would no longer be viable habitat for the Parrot.

Along with the other information we have previously provided it is clear that the northern part of the golf course is not suitable for any major development activity.

We would welcome an opportunity to discuss these matters with you.

Kind Regards
[REDACTED]

FEDERAL GOLF COURSE ORNITHOLOGICAL SURVEY

Purpose

The purpose of the survey was to ascertain which bird species are located on the Federal Golf Course (the golf course) and propose any required conservation measures in order to assist with the development of the Red Hill Integrated Plan and the consideration of any proposed activity in the area.

Reasons for the Survey

The survey was undertaken because:

- there is very little information available about the bird species to be found on the golf course;
- the survey work commissioned by the development firm MBark in relation to their proposed residential development on the golf course is extremely poor;
- in recent times there have been sporadic sightings of some significant bird species in or near the golf course;
- it is critical that the development of the Integrated Plan takes fully into account the bird species found on the golf course and includes measures to protect threatened species.

The Survey Area

The area surveyed is shown at Attachment A. This northern section of the golf course was chosen because of recent sightings of some significant bird species in or near the area, coupled with the fact that this area includes the site for the proposed residential development.

Survey Methodology

The survey was undertaken by [REDACTED], a highly experienced field technician, who has undertaken many ornithological surveys for a number of government and academic institutions in Canberra over many years. [REDACTED] is highly regarded in the ornithological field.

The survey involved four separate visits to the area in order to record avian values on the golf course and any supporting structural elements.

Survey work was undertaken on 10 March 2019, 15 March 2019 and 28 March 2019 between the hours of 0630 – 0950 for a period of approximately 200 minutes on each occasion. The final part of the survey was conducted between 0745 – 0925 on 5 April 2019. The total survey time was 700 minutes (11.6 hours). Coordinates of areas of significant avian sightings or supportive elements were recorded by a hand held GPS. Where light conditions permitted, photographic evidence was recorded. The area was surveyed via wandering transects.

Conditions for the whole of the survey were close to perfect with light to no wind with an abundance of sunlight.

The survey work was sponsored by [REDACTED] Co-Convenors of the Garran and Hughes Residents' Action Group (GAHRAG).

Survey Results

It must be noted that the peak season for avian diversity in the Canberra region is in the October to January period when many seasonal migratory birds are present in the area. So, it is highly likely that if this survey had been conducted in that period the avian diversity to be found on the golf course would have been even greater than the very good outcome produced by this survey. It was considered important to proceed with the survey in the March-April period in order to make some solid data on avian diversity available for the development of the Red Hill Integrated Plan. This was particularly important given the paucity of available data and the highly deficient survey conducted on behalf of the development interests.

The observational data resulting from the survey is at Attachment B with a discussion of the results at Attachment C.

Key outcomes of the survey are:

- the golf course provides a supportive habitat for a wide range of woodland birds;
- 49 species of both native woodland and waterbirds were encountered during the survey;
- due to the golf course habitat a high diversity of medium to large birds were observed;
- significant bird species found on the golf course include the Little Corella, the Gang-Gang cockatoo, the Yellow-tailed Black cockatoo, the Speckled Warbler and the Superb Parrot;
- the Gang-Gang Cockatoo and the Speckled Warbler are listed as vulnerable in the Act while the Superb Parrot is listed as vulnerable both in the ACT and nationally;
- the connectivity to, through and beyond the golf course is critical to bird populations both on the golf course and in the surrounding areas;
- any development on the golf course would impact on a number of species, the most important being the threatened Superb Parrot.

The Superb Parrot

The number of Superb Parrots to be found in the ACT has been increasing since 2005. Increasing numbers have reported both foraging and breeding in North Canberra. Known breeding areas include the central Molonglo Valley and the Throsby Ridge area. There is growing evidence that some Superb Parrots are over wintering in areas in and around Canberra.

Bioclimatic modelling has shown that the Superb Parrot is highly sensitive to climate change with its bioclimatic range declining by around 75% by 2070. The future bioclimatic core range of the Superb Parrot will likely focus around the ACT and an area to the immediate north.

Possibly already reflecting climate change the Superb Parrot is increasingly being sighted in South Canberra. The golf course is one of the few areas in south Canberra that contains suitable trees for roosting, foraging and breeding. Increased presence of the Superb Parrot

over a number of years was a precursor to actual breeding at the Throsby and Molonglo Valley sites. The Superb Parrot may already be breeding in South Canberra. The Superb Parrot is known to breed on the Young golf course. It must be noted that the two known ACT breeding locations are both several hundred metres away from residential development.

The map at Attachment D shows the areas in which the Superb Parrots were observed to roost and forage. As is made clear in Attachment C this and the surrounding area contain ideal habitat for roosting, foraging and potentially breeding. The sighting of up to 59 Superb Parrots on all four site visits indicates that we are potentially dealing with a significant population of parrots. It is no coincidence that this Superb Parrot population is located in the central part of the golf course well removed from the existing residential areas in Garran and Hughes.

Attachment D also shows the area proposed for residential development (white hatching). At Attachment E is a map showing the areas of native vegetation on the golf course to be impacted by the proposed residential development. As can be seen from both Attachments a large part of the habitat in which the Superb Parrot has been observed would be decimated by the proposed residential development. In addition, the close proximity of the proposed residential development would almost certainly result in this area no longer being used by the Superb Parrots. In the case of the Throsby population it was severely impacted by development activity and undertook recovery when protective measures were put in place, which included buffer zones between the Superb parrot habitat and the residential developments.

At this time while we know that we have found a significant population of Superb Parrots on the golf course it is vital that further research be undertaken over at least three years to determine the importance of the population and, in particular whether the birds are overwintering in Canberra, and whether or not the area is being used or potentially may be used in the future for breeding. Until the status of the population and the area have been determined it is vital that no activity be allowed in the area that would have a detrimental impact on the Superb Parrot or its habitat.



Co-Convenors

GAHRAG

21 April 2019

Family	Common Name	Scientific name	10-Mar-19	15-Mar-19	28-Mar-19	05-Apr-19	Abundance average over survey (rounded)	Present all surveys	Abundance rank
Phasianidae	Stubble Quail	<i>Coturnix pectoralis</i>							
Phasianidae	Brown Quail	<i>Coturnix ypsilophora</i>							
Anatidae	Plumed Whistling-Duck *	<i>Dendrocygna eytoni</i>							
Anatidae	Musk Duck	<i>Biziura lobata</i>							
Anatidae	Freckled Duck	<i>Stictonetta naevosa</i>							
Anatidae	Black Swan	<i>Cygnus atratus</i>							
Anatidae	Australian Shelduck	<i>Tadorna tadornoides</i>							
Anatidae	Australian Wood Duck	<i>Chenonetta jubata</i>	32	54	67	24	44	*	2
Anatidae	Pink-eared Duck	<i>Malacorhynchus membranaceus</i>							
Anatidae	Australasian Shoveler	<i>Anas rhynchotis</i>							
Anatidae	Grey Teal	<i>Anas gracilis</i>	13	7	3	2	6	*	
Anatidae	Chestnut Teal	<i>Anas castanea</i>							
Anatidae	Pacific Black Duck	<i>Anas superciliosa</i>				8	3		
Anatidae	Hardhead	<i>Aythya australis</i>							
Anatidae	Blue-billed Duck	<i>Oxyura australis</i>							
Podicipedidae	Australasian Grebe	<i>Tachybaptus novaehollandiae</i>	13	8	7	4	8	*	
Podicipedidae	Hoary-headed Grebe	<i>Poliocephalus poliocephalus</i>							
Podicipedidae	Great Crested Grebe	<i>Podiceps cristatus</i>							
Columbidae	Rock Dove	<i>Columba livia</i>							
Columbidae	Wonga Pigeon	<i>Leucosarcia melanoleuca</i>							
Columbidae	Spotted Dove	<i>Streptopelia chinensis</i>				2	1		
Columbidae	Common Bronzewing	<i>Phaps chalcoptera</i>	2	1	2		1		
Columbidae	Brush Bronzewing	<i>Phaps elegans</i>							
Columbidae	Crested Pigeon	<i>Ocyphaps lophotes</i>	9	6	5	6	7	*	
Columbidae	Diamond Dove *	<i>Geopelia cuneata</i>							
Columbidae	Peaceful Dove	<i>Geopelia striata</i>							
Podargidae	Tawny Frogmouth	<i>Podargus strigoides</i>		3			1		
Aegothelidae	Australian Owlet-nightjar	<i>Aegotheles cristatus</i>							
Apodidae	White-throated Needletail	<i>Hirundapus caudacutus</i>							
Anhingidae	Australasian Darter	<i>Anhinga novaehollandiae</i>							
Phalacrocoracidae	Little Pied Cormorant	<i>Microcarbo melanoleucos</i>			1		1		
Phalacrocoracidae	Great Cormorant	<i>Phalacrocorax carbo</i>							
Phalacrocoracidae	Little Black Cormorant	<i>Phalacrocorax sulcirostris</i>							
Phalacrocoracidae	Pied Cormorant	<i>Phalacrocorax varius</i>							
Pelecanidae	Australian Pelican	<i>Pelecanus conspicillatus</i>							
Ardeidae	White-necked Heron	<i>Ardea pacifica</i>							
Ardeidae	Eastern Great Egret	<i>Ardea modesta</i>							
Ardeidae	Intermediate Egret	<i>Ardea intermedia</i>							
Ardeidae	Cattle Egret	<i>Ardea ibis</i>							
Ardeidae	White-faced Heron	<i>Egretta novaehollandiae</i>				1	1		
Ardeidae	Little Egret	<i>Egretta garzetta</i>							
Ardeidae	Nankeen Night-Heron	<i>Nycticorax caledonicus</i>							
Threskiornithidae	Glossy Ibis	<i>Plegadis falcinellus</i>							
Threskiornithidae	Australian White Ibis	<i>Threskiornis molucca</i>							
Threskiornithidae	Straw-necked Ibis	<i>Threskiornis spinicollis</i>	2	2	4	2	3	*	
Threskiornithidae	Royal Spoonbill	<i>Platalea regia</i>							

Threskiornithidae	Yellow-billed Spoonbill	<i>Platalea flavipes</i>
Accipitridae	Black-shouldered Kite	<i>Elanus axillaris</i>
Accipitridae	White-bellied Sea-Eagle	<i>Haliaeetus leucogaster</i>
Accipitridae	Whistling Kite	<i>Haliastur spheonurus</i>
Accipitridae	Brown Goshawk	<i>Accipiter fasciatus</i>
Accipitridae	Collared Sparrowhawk	<i>Accipiter cirrocephalus</i>
Accipitridae	Spotted Harrier *	<i>Circus assimilis</i>
Accipitridae	Swamp Harrier	<i>Circus approximans</i>
Accipitridae	Wedge-tailed Eagle	<i>Aquila audax</i>
Accipitridae	Little Eagle	<i>Hieraaetus morphnoides</i>
Accipitridae	Nankeen Kestrel	<i>Falco cenchroides</i>
Accipitridae	Brown Falcon	<i>Falco berigora</i>
Accipitridae	Australian Hobby	<i>Falco longipennis</i>
Falconidae	Black Falcon *	<i>Falco subniger</i>
Falconidae	Peregrine Falcon	<i>Falco peregrinus</i>
Rallidae	Purple Swamphen	<i>Porphyrio porphyrio</i>
Rallidae	Lewin's Rail	<i>Lewinia pectoralis</i>
Rallidae	Buff-banded Rail	<i>Gallirallus philippensis</i>
Rallidae	Baillon's Crake	<i>Porzana pusilla</i>
Rallidae	Australian Spotted Crake	<i>Porzana fluminea</i>
Rallidae	Spotless Crake	<i>Porzana tabuensis</i>
Rallidae	Dusky Moorhen	<i>Gallinula tenebrosa</i>
Rallidae	Eurasian Coot	<i>Fulica atra</i>
Recurvirostridae	Black-winged Stilt	<i>Himantopus himantopus</i>
Charadriidae	Pacific Golden Plover	<i>Pluvialis fulva</i>
Charadriidae	Red-capped Plover	<i>Charadrius ruficapillus</i>
Charadriidae	Black-fronted Dotterel	<i>Euseyonis melanops</i>
Charadriidae	Red-kneed Dotterel	<i>Erythronyx cinctus</i>
Charadriidae	Banded Lapwing *	<i>Vanellus tricolor</i>
Charadriidae	Masked Lapwing	<i>Vanellus miles</i>
Rostratulidae	Australian Painted Snipe *	<i>Rostratula australis</i>
Scolopacidae	Latham's Snipe	<i>Gallinago hardwickii</i>
Scolopacidae	Red-necked Stint *	<i>Calidris ruficollis</i>
Scolopacidae	Sharp-tailed Sandpiper	<i>Calidris acuminata</i>
Turnicidae	Painted Button-quail	<i>Turnix varius</i>
Turnicidae	Little Button-quail *	<i>Turnix velox</i>
Laridae	Silver Gull	<i>Chroicocephalus novaehollandiae</i>
Cacatuidae	Glossy Black-Cockatoo	<i>Calyptorhynchus lathamii</i>
Cacatuidae	Yellow-tailed Black-Cockatoo	<i>Calyptorhynchus funereus</i>
Cacatuidae	Gang-gang Cockatoo	<i>Callocephalon fimbriatum</i>
Cacatuidae	Major Mitchell's Cockatoo *	<i>Lophochroa leadbeateri</i>
Cacatuidae	Galah	<i>Eolophus roseicapilla</i>
Cacatuidae	Long-billed Corella	<i>Cacatua tenuirostris</i>
Cacatuidae	Little Corella	<i>Cacatua sanguinea</i>
Cacatuidae	Sulphur-crested Cockatoo	<i>Cacatua galerita</i>
Cacatuidae	Cockatiel	<i>Nymphicus hollandicus</i>
Psittacidae	Rainbow Lorikeet	<i>Trichoglossus haematodus</i>

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Psittacidae	Australian King-Parrot	<i>Alisterus scapularis</i>	10	13	32	18	18	*	4
Psittacidae	Superb Parrot	<i>Polytelis swainsonii</i>	29	28	58	22	32	*	3
Psittacidae	Crimson Rosella	<i>Platycercus elegans</i>	8	6	7	2	6	*	
Psittacidae	Eastern Rosella	<i>Platycercus eximius</i>	13	15	10	5	11	*	8
Psittacidae	Swift Parrot *	<i>Lathamus discolor</i>							
Psittacidae	Red-rumped Parrot	<i>Psephotus haematonotus</i>	7	3	4		4		
Psittacidae	Turquoise Parrot	<i>Neophema pulchella</i>							
Cuculidae	Eastern Koel	<i>Eudynamis orientalis</i>							
Cuculidae	Horsfield's Bronze-Cuckoo	<i>Chalcites basalis</i>							
Cuculidae	Black-eared Cuckoo *	<i>Chalcites osculans</i>							
Cuculidae	Shining Bronze-Cuckoo	<i>Chalcites lucidus</i>							
Cuculidae	Pallid Cuckoo	<i>Cacomantis pallidus</i>							
Cuculidae	Fan-tailed Cuckoo	<i>Cacomantis flabelliformis</i>							
Cuculidae	Brush Cuckoo	<i>Cacomantis variolosus</i>							
Strigidae	Powerful Owl	<i>Ninox strenua</i>							
Strigidae	Barking Owl *	<i>Ninox connivens</i>							
Strigidae	Southern Boobook	<i>Ninox novaeseelandiae</i>							
Tytonidae	Masked Owl *	<i>Tyto novaehollandiae</i>							
Tytonidae	Eastern Barn Owl	<i>Tyto javanica</i>							
Alcedinidae	Azure Kingfisher *	<i>Ceyx azureus</i>							
Halcyonidae	Laughing Kookaburra	<i>Dacelo novaeguineae</i>	7	6	5	2	5	*	
Halcyonidae	Red-backed Kingfisher *	<i>Todiramphus pyrrhopygius</i>							
Halcyonidae	Sacred Kingfisher	<i>Todiramphus sanctus</i>							
Meropidae	Rainbow Bee-eater	<i>Merops ornatus</i>							
Coraciidae	Dollarbird	<i>Eurystomus orientalis</i>							
Menuridae	Superb Lyrebird	<i>Menura novaehollandiae</i>							
Climacteridae	White-throated Treecreeper	<i>Cormobates leucophaeus</i>							
Climacteridae	Red-browed Treecreeper	<i>Climacteris erythroptus</i>							
Climacteridae	Brown Treecreeper	<i>Climacteris picumnus</i>							
Ptilonorhynchidae	Satin Bowerbird	<i>Ptilonorhynchus violaceus</i>	2	2			1		
Maluridae	Superb Fairy-wren	<i>Malurus cyaneus</i>	3	3		2	2		
Pardalotidae	Pilotbird	<i>Pycnoptilus floccosus</i>							
Pardalotidae	White-browed Scrubwren	<i>Sericornis frontalis</i>							
Pardalotidae	Chestnut-rumped Heathwren*	<i>Hylacola pyrrhopygia</i>							
Pardalotidae	Speckled Warbler	<i>Chthonicola sagittata</i>		2			1		
Pardalotidae	Weebill	<i>Smicromis brevirostris</i>	1	1	2		1		
Pardalotidae	Brown Gerygone *	<i>Gerygone mouki</i>							
Pardalotidae	Western Gerygone	<i>Gerygone fusca</i>							
Pardalotidae	White-throated Gerygone	<i>Gerygone albogularis</i>							
Pardalotidae	Striated Thornbill	<i>Acanthiza lineata</i>				3	1		
Pardalotidae	Yellow Thornbill	<i>Acanthiza nana</i>							
Pardalotidae	Yellow-rumped Thornbill	<i>Acanthiza chrysorrhoa</i>	2	2	3		2		
Pardalotidae	Chestnut-rumped Thornbill *	<i>Acanthiza uropygialis</i>							
Pardalotidae	Buff-rumped Thornbill	<i>Acanthiza reguloides</i>		2			1		
Pardalotidae	Brown Thornbill	<i>Acanthiza pusilla</i>	1				1		
Pardalotidae	Southern Whiteface	<i>Aphelocephala leucopsis</i>							
Pardalotidae	Spotted Pardalote	<i>Pardalotus punctatus</i>							

Artamidae	Grey Butcherbird	<i>Cracticus torquatus</i>	2	1	3	2	2	*
Artamidae	Pied Butcherbird *	<i>Cracticus nigrogularis</i>						
Artamidae	Australian Magpie	<i>Cracticus tibicen</i>	12	23	18	7	15	*
Artamidae	Pied Currawong	<i>Strepera graculina</i>	5	5	12	4	7	*
Artamidae	Grey Currawong	<i>Strepera versicolor</i>						
Dicruridae	Spangled Drongo *	<i>Dicrurus bracteatus</i>						
Dicruridae	Rufous Fantail	<i>Rhipidura rufifrons</i>						
Dicruridae	Grey Fantail	<i>Rhipidura albiscapa</i>						
Motacillidae	Willie Wagtail	<i>Rhipidura leucophrys</i>	1		1		1	
Corvidae	Australian Raven	<i>Corvus coronoides</i>	3	2	9	3	4	*
Corvidae	Little Raven	<i>Corvus mellori</i>						
Dicruridae	Leaden Flycatcher	<i>Myiagra rubecula</i>						
Dicruridae	Satin Flycatcher	<i>Myiagra cyanoleuca</i>						
Dicruridae	Restless Flycatcher	<i>Myiagra inquieta</i>						
Dicruridae	Magpie-lark	<i>Grallina cyanoleuca</i>	6	3	8	2	5	*
Corcoraciidae	White-winged Chough	<i>Corcorax melanorhamphos</i>				7	2	
Petroicidae	Jacky Winter	<i>Microeca fascians</i>						
Petroicidae	Scarlet Robin	<i>Petroica boodang</i>						
Petroicidae	Red-capped Robin	<i>Petroica goodenovii</i>						
Petroicidae	Flame Robin	<i>Petroica phoenicea</i>						
Petroicidae	Rose Robin	<i>Petroica rosea</i>						
Petroicidae	Pink Robin *	<i>Petroica rodinogaster</i>						
Petroicidae	Hooded Robin	<i>Melanodryas cucullata</i>						
Petroicidae	Eastern Yellow Robin	<i>Eopsaltria australis</i>						
Alaudidae	Horsfield's Bushlark *	<i>Mirafra javanica</i>						
Alaudidae	Eurasian Skylark	<i>Alauda arvensis</i>						
Sylviidae	Golden-headed Cisticola	<i>Cisticola exilis</i>						
Sylviidae	Australian Reed-Warbler	<i>Acrocephalus australis</i>						
Sylviidae	Little Grassbird	<i>Megalurus gramineus</i>						
Sylviidae	Rufous Songlark	<i>Cincloramphus mathewsi</i>						
Sylviidae	Brown Songlark	<i>Cincloramphus cruralis</i>						
Zosteropidae	Silvereye	<i>Zosterops lateralis</i>	4				1	
Hirundinidae	White-backed Swallow *	<i>Cheramoeca leucosterna</i>						
Hirundinidae	Welcome Swallow	<i>Hirundo neoxena</i>	1		2	2	1	
Hirundinidae	Fairy Martin	<i>Petrochelidon ariel</i>						
Hirundinidae	Tree Martin	<i>Petrochelidon nigricans</i>						
Muscicapidae	Bassian Thrush	<i>Zoothera lunulata</i>						
Muscicapidae	Common Blackbird	<i>Turdus merula</i>						
Sturnidae	Common Starling	<i>Sturnus vulgaris</i>			1		1	
Sturnidae	Common Myna	<i>Sturnus tristis</i>						
Dicaeidae	Mistletoebird	<i>Dicaeum hirundinaceum</i>						
Fringillidae	Zebra Finch	<i>Taeniopygia guttata</i>						
Fringillidae	Double-barred Finch	<i>Taeniopygia bichenovii</i>						
Fringillidae	Red-browed Finch	<i>Neochmia temporalis</i>						
Fringillidae	Diamond Firetail	<i>Stagonopleura guttata</i>						
Passeridae	House Sparrow	<i>Passer domesticus</i>						
Passeridae	Eurasian Tree Sparrow *	<i>Passer montanus</i>						

Motacillidae	Australasian Pipit	<i>Anthus novaeseelandiae</i>
Fringillidae	European Goldfinch	<i>Carduelis carduelis</i>
Fringillidae	Common Greenfinch	<i>Chloris chloris</i>

Family	Common Name	Scientific name
Phasianidae	Stubble Quail	<i>Coturnix pectoralis</i>
Phasianidae	Brown Quail	<i>Coturnix ypsilophora</i>
Anatidae	Plumed Whistling-Duck *	<i>Dendrocygna eytoni</i>
Anatidae	Musk Duck	<i>Biziura lobata</i>
Anatidae	Freckled Duck	<i>Stictonetta naevosa</i>
Anatidae	Black Swan	<i>Cygnus atratus</i>
Anatidae	Australian Shelduck	<i>Tadorna tadornoides</i>
Anatidae	Australian Wood Duck	<i>Chenonetta jubata</i>
Anatidae	Pink-eared Duck	<i>Malacorhynchus membranaceus</i>
Anatidae	Australasian Shoveler	<i>Anas rhynchotis</i>
Anatidae	Grey Teal	<i>Anas gracilis</i>
Anatidae	Chestnut Teal	<i>Anas castanea</i>
Anatidae	Pacific Black Duck	<i>Anas superciliosa</i>
Anatidae	Hardhead	<i>Aythya australis</i>
Anatidae	Blue-billed Duck	<i>Oxyura australis</i>
Podicipedidae	Australasian Grebe	<i>Tachybaptus novaehollandiae</i>
Podicipedidae	Hoary-headed Grebe	<i>Poliiocephalus poliocephalus</i>
Podicipedidae	Great Crested Grebe	<i>Podiceps cristatus</i>
Columbidae	Rock Dove	<i>Columba livia</i>
Columbidae	Wonga Pigeon	<i>Leucosarcia melanoleuca</i>
Columbidae	Spotted Dove	<i>Streptopelia chinensis</i>
Columbidae	Common Bronzewing	<i>Phaps chalcoptera</i>
Columbidae	Brush Bronzewing	<i>Phaps elegans</i>
Columbidae	Crested Pigeon	<i>Ocyphaps lophotes</i>
Columbidae	Diamond Dove *	<i>Geopelia cuneata</i>
Columbidae	Peaceful Dove	<i>Geopelia striata</i>
Podargidae	Tawny Frogmouth	<i>Podargus strigoides</i>
Aegothelidae	Australian Owlet-nightjar	<i>Aegotheles cristatus</i>
Apodidae	White-throated Needletail	<i>Hirundapus caudacutus</i>
Anhingidae	Australasian Darter	<i>Anhinga novaehollandiae</i>
Phalacrocoracidae	Little Pied Cormorant	<i>Microcarbo melanoleucos</i>
Phalacrocoracidae	Great Cormorant	<i>Phalacrocorax carbo</i>
Phalacrocoracidae	Little Black Cormorant	<i>Phalacrocorax sulcirostris</i>
Phalacrocoracidae	Pied Cormorant	<i>Phalacrocorax varius</i>
Pelecanidae	Australian Pelican	<i>Pelecanus conspicillatus</i>
Ardeidae	White-necked Heron	<i>Ardea pacifica</i>
Ardeidae	Eastern Great Egret	<i>Ardea modesta</i>
Ardeidae	Intermediate Egret	<i>Ardea intermedia</i>
Ardeidae	Cattle Egret	<i>Ardea ibis</i>
Ardeidae	White-faced Heron	<i>Egretta novaehollandiae</i>
Ardeidae	Little Egret	<i>Egretta garzetta</i>
Ardeidae	Nankeen Night-Heron	<i>Nycticorax caledonicus</i>
Threskiornithidae	Glossy Ibis	<i>Plegadis falcinellus</i>
Threskiornithidae	Australian White Ibis	<i>Threskiornis molucca</i>
Threskiornithidae	Straw-necked Ibis	<i>Threskiornis spinicollis</i>
Threskiornithidae	Royal Spoonbill	<i>Platalea regia</i>
Threskiornithidae	Yellow-billed Spoonbill	<i>Platalea flavipes</i>
Accipitridae	Black-shouldered Kite	<i>Elanus axillaris</i>
Accipitridae	White-bellied Sea-Eagle	<i>Haliaeetus leucogaster</i>

Accipitridae	Whistling Kite	<i>Haliastur sphenurus</i>
Accipitridae	Brown Goshawk	<i>Accipiter fasciatus</i>
Accipitridae	Collared Sparrowhawk	<i>Accipiter cirrocephalus</i>
Accipitridae	Spotted Harrier *	<i>Circus assimilis</i>
Accipitridae	Swamp Harrier	<i>Circus approximans</i>
Accipitridae	Wedge-tailed Eagle	<i>Aquila audax</i>
Accipitridae	Little Eagle	<i>Hieraaetus morphnoides</i>
Accipitridae	Nankeen Kestrel	<i>Falco cenchroides</i>
Accipitridae	Brown Falcon	<i>Falco berigora</i>
Accipitridae	Australian Hobby	<i>Falco longipennis</i>
Falconidae	Black Falcon *	<i>Falco subniger</i>
Falconidae	Peregrine Falcon	<i>Falco peregrinus</i>
Rallidae	Purple Swamphen	<i>Porphyrio porphyrio</i>
Rallidae	Lewin's Rail	<i>Lewinia pectoralis</i>
Rallidae	Buff-banded Rail	<i>Gallirallus philippensis</i>
Rallidae	Baillon's Crake	<i>Porzana pusilla</i>
Rallidae	Australian Spotted Crake	<i>Porzana fluminea</i>
Rallidae	Spotless Crake	<i>Porzana tabuensis</i>
Rallidae	Dusky Moorhen	<i>Gallinula tenebrosa</i>
Rallidae	Eurasian Coot	<i>Fulica atra</i>
Recurvirostridae	Black-winged Stilt	<i>Himantopus himantopus</i>
Charadriidae	Pacific Golden Plover	<i>Pluvialis fulva</i>
Charadriidae	Red-capped Plover	<i>Charadrius ruficapillus</i>
Charadriidae	Black-fronted Dotterel	<i>Euseyonis melanops</i>
Charadriidae	Red-kneed Dotterel	<i>Erythrogonys cinctus</i>
Charadriidae	Banded Lapwing *	<i>Vanellus tricolor</i>
Charadriidae	Masked Lapwing	<i>Vanellus miles</i>
Rostratulidae	Australian Painted Snipe *	<i>Rostratula australis</i>
Scolopacidae	Latham's Snipe	<i>Gallinago hardwickii</i>
Scolopacidae	Red-necked Stint *	<i>Calidris ruficollis</i>
Scolopacidae	Sharp-tailed Sandpiper	<i>Calidris acuminata</i>
Turnicidae	Painted Button-quail	<i>Turnix varius</i>
Turnicidae	Little Button-quail *	<i>Turnix velox</i>
Laridae	Silver Gull	<i>Chroicocephalus novaehollandiae</i>
Cacatuidae	Glossy Black-Cockatoo	<i>Calyptorhynchus lathami</i>
Cacatuidae	Yellow-tailed Black-Cockatoo	<i>Calyptorhynchus funereus</i>
Cacatuidae	Gang-gang Cockatoo	<i>Callocephalon fimbriatum</i>
Cacatuidae	Major Mitchell's Cockatoo *	<i>Lophochroa leadbeateri</i>
Cacatuidae	Galah	<i>Eolophus roseicapilla</i>
Cacatuidae	Long-billed Corella	<i>Cacatua tenuirostris</i>
Cacatuidae	Little Corella	<i>Cacatua sanguinea</i>
Cacatuidae	Sulphur-crested Cockatoo	<i>Cacatua galerita</i>
Cacatuidae	Cockatiel	<i>Nymphicus hollandicus</i>
Psittacidae	Rainbow Lorikeet	<i>Trichoglossus haematodus</i>
Psittacidae	Australian King-Parrot	<i>Alisterus scapularis</i>
Psittacidae	Superb Parrot	<i>Polytelis swainsonii</i>
Psittacidae	Crimson Rosella	<i>Platycercus elegans</i>
Psittacidae	Eastern Rosella	<i>Platycercus eximius</i>
Psittacidae	Swift Parrot *	<i>Lathamus discolor</i>
Psittacidae	Red-rumped Parrot	<i>Psephotus haematotus</i>

Psittacidae	Turquoise Parrot	<i>Neophema pulchella</i>
Cuculidae	Eastern Koel	<i>Eudynamys orientalis</i>
Cuculidae	Horsfield's Bronze-Cuckoo	<i>Chalcites basalis</i>
Cuculidae	Black-eared Cuckoo *	<i>Chalcites osculans</i>
Cuculidae	Shining Bronze-Cuckoo	<i>Chalcites lucidus</i>
Cuculidae	Pallid Cuckoo	<i>Cacomantis pallidus</i>
Cuculidae	Fan-tailed Cuckoo	<i>Cacomantis flabelliformis</i>
Cuculidae	Brush Cuckoo	<i>Cacomantis variolosus</i>
Strigidae	Powerful Owl	<i>Ninox strenua</i>
Strigidae	Barking Owl *	<i>Ninox connivens</i>
Strigidae	Southern Boobook	<i>Ninox novaeseelandiae</i>
Tytonidae	Masked Owl *	<i>Tyto novaehollandiae</i>
Tytonidae	Eastern Barn Owl	<i>Tyto javanica</i>
Alcedinidae	Azure Kingfisher *	<i>Ceyx azureus</i>
Halcyonidae	Laughing Kookaburra	<i>Dacelo novaeguineae</i>
Halcyonidae	Red-backed Kingfisher *	<i>Todiramphus pyrrhopygius</i>
Halcyonidae	Sacred Kingfisher	<i>Todiramphus sanctus</i>
Meropidae	Rainbow Bee-eater	<i>Merops ornatus</i>
Coraciidae	Dollarbird	<i>Eurystomus orientalis</i>
Menuridae	Superb Lyrebird	<i>Menura novaehollandiae</i>
Climacteridae	White-throated Treecreeper	<i>Cormobates leucophaeus</i>
Climacteridae	Red-browed Treecreeper	<i>Climacteris erythroptus</i>
Climacteridae	Brown Treecreeper	<i>Climacteris picumnus</i>
Ptilonorhynchidae	Satin Bowerbird	<i>Ptilonorhynchus violaceus</i>
Maluridae	Superb Fairy-wren	<i>Malurus cyaneus</i>
Pardalotidae	Pilotbird	<i>Pycnoptilus floccosus</i>
Pardalotidae	White-browed Scrubwren	<i>Sericornis frontalis</i>
Pardalotidae	Chestnut-rumped Heathwren*	<i>Hylacola pyrrhopygia</i>
Pardalotidae	Speckled Warbler	<i>Chthonicola sagittata</i>
Pardalotidae	Weebill	<i>Smicrornis brevirostris</i>
Pardalotidae	Brown Gerygone *	<i>Gerygone mouki</i>
Pardalotidae	Western Gerygone	<i>Gerygone fusca</i>
Pardalotidae	White-throated Gerygone	<i>Gerygone albogularis</i>
Pardalotidae	Striated Thornbill	<i>Acanthiza lineata</i>
Pardalotidae	Yellow Thornbill	<i>Acanthiza nana</i>
Pardalotidae	Yellow-rumped Thornbill	<i>Acanthiza chrysorrhoa</i>
Pardalotidae	Chestnut-rumped Thornbill *	<i>Acanthiza uropygialis</i>
Pardalotidae	Buff-rumped Thornbill	<i>Acanthiza reguloides</i>
Pardalotidae	Brown Thornbill	<i>Acanthiza pusilla</i>
Pardalotidae	Southern Whiteface	<i>Aphelocephala leucopsis</i>
Pardalotidae	Spotted Pardalote	<i>Pardalotus punctatus</i>
Pardalotidae	Striated Pardalote	<i>Pardalotus striatus</i>
Meliphagidae	Eastern Spinebill	<i>Acanthorhynchus tenuirostris</i>
Meliphagidae	Lewin's Honeyeater *	<i>Meliphaga lewinii</i>
Meliphagidae	Yellow-faced Honeyeater	<i>Lichenostomus chrysops</i>
Meliphagidae	Singing Honeyeater *	<i>Lichenostomus virescens</i>
Meliphagidae	White-eared Honeyeater	<i>Lichenostomus leucotis</i>
Meliphagidae	Yellow-tufted Honeyeater	<i>Lichenostomus melanops</i>
Meliphagidae	Fuscous Honeyeater	<i>Lichenostomus fuscus</i>
Meliphagidae	White-plumed Honeyeater	<i>Lichenostomus penicillatus</i>

Meliphagidae	White-fronted Honeyeater *	<i>Purnella albifrons</i>
Meliphagidae	Noisy Miner	<i>Manorina melanocephala</i>
Meliphagidae	Spiny-cheeked Honeyeater *	<i>Acanthagenys rufogularis</i>
Meliphagidae	Regent Honeyeater *	<i>Anthochaera phrygia</i>
Meliphagidae	Red Wattlebird	<i>Anthochaera carunculata</i>
Meliphagidae	Crimson Chat *	<i>Epthianura tricolor</i>
Meliphagidae	White-fronted Chat	<i>Epthianura albifrons</i>
Meliphagidae	Black Honeyeater *	<i>Sugomel niger</i>
Meliphagidae	Scarlet Honeyeater *	<i>Myzomela sanguinolenta</i>
Meliphagidae	Crescent Honeyeater	<i>Phylidonyris pyrrhopterus</i>
Meliphagidae	New Holland Honeyeater	<i>Phylidonyris novaehollandiae</i>
Meliphagidae	Black-chinned Honeyeater *	<i>Melithreptus gularis</i>
Meliphagidae	Brown-headed Honeyeater	<i>Melithreptus brevirostris</i>
Meliphagidae	White-naped Honeyeater	<i>Melithreptus lunatus</i>
Meliphagidae	Blue-faced Honeyeater *	<i>Entomyzon cyanotis</i>
Meliphagidae	Noisy Friarbird	<i>Philemon corniculatus</i>
Meliphagidae	Little Friarbird *	<i>Philemon citreogularis</i>
Meliphagidae	Striped Honeyeater *	<i>Plectorhyncha lanceolata</i>
Meliphagidae	Painted Honeyeater *	<i>Grantiella picta</i>
Pomatostomidae	Grey-crowned Babbler *	<i>Pomatostomus temporalis</i>
Pomatostomidae	White-browed Babbler *	<i>Pomatostomus superciliosus</i>
Cinclosomatidae	Spotted Quail-thrush	<i>Cinclosoma punctatum</i>
Cinclosomatidae	Eastern Whipbird	<i>Psophodes olivaceus</i>
Neosittidae	Varied Sittella	<i>Daphoenositta chrysoptera</i>
Campephagidae	Black-faced Cuckoo-shrike	<i>Coracina novaehollandiae</i>
Campephagidae	White-bellied Cuckoo-shrike *	<i>Coracina papuensis</i>
Campephagidae	Cicadabird	<i>Coracina tenuirostris</i>
Campephagidae	White-winged Triller	<i>Lalage sueurii</i>
Pachycephalidae	Crested Shrike-tit	<i>Falcunculus frontatus</i>
Pachycephalidae	Olive Whistler	<i>Pachycephala olivacea</i>
Pachycephalidae	Golden Whistler	<i>Pachycephala pectoralis</i>
Pachycephalidae	Rufous Whistler	<i>Pachycephala rufiventris</i>
Pachycephalidae	Grey Shrike-thrush	<i>Colluricincla harmonica</i>
Oriolidae	Australasian Figbird *	<i>Sphecotheres vieilloti</i>
Oriolidae	Olive-backed Oriole	<i>Oriolus sagittatus</i>
Artamidae	Masked Woodswallow	<i>Artamus personatus</i>
Artamidae	White-browed Woodswallow	<i>Artamus superciliosus</i>
Artamidae	Dusky Woodswallow	<i>Artamus cyanopterus</i>
Artamidae	Grey Butcherbird	<i>Cracticus torquatus</i>
Artamidae	Pied Butcherbird *	<i>Cracticus nigrogularis</i>
Artamidae	Australian Magpie	<i>Cracticus tibicen</i>
Artamidae	Pied Currawong	<i>Strepera graculina</i>
Artamidae	Grey Currawong	<i>Strepera versicolor</i>
Dicruridae	Spangled Drongo *	<i>Dicrurus bracteatus</i>
Dicruridae	Rufous Fantail	<i>Rhipidura rufifrons</i>
Dicruridae	Grey Fantail	<i>Rhipidura albiscapa</i>
Motacillidae	Willie Wagtail	<i>Rhipidura leucophrys</i>
Corvidae	Australian Raven	<i>Corvus coronoides</i>
Corvidae	Little Raven	<i>Corvus mellori</i>
Dicruridae	Leaden Flycatcher	<i>Myiagra rubecula</i>

Dicruridae	Satin Flycatcher	<i>Myiagra cyanoleuca</i>
Dicruridae	Restless Flycatcher	<i>Myiagra inquieta</i>
Dicruridae	Magpie-lark	<i>Grallina cyanoleuca</i>
Corcoracidae	White-winged Chough	<i>Corcorax melanorhamphos</i>
Petroicidae	Jacky Winter	<i>Microeca fascinans</i>
Petroicidae	Scarlet Robin	<i>Petroica boodang</i>
Petroicidae	Red-capped Robin	<i>Petroica goodenovii</i>
Petroicidae	Flame Robin	<i>Petroica phoenicea</i>
Petroicidae	Rose Robin	<i>Petroica rosea</i>
Petroicidae	Pink Robin *	<i>Petroica rodinogaster</i>
Petroicidae	Hooded Robin	<i>Melanodryas cucullata</i>
Petroicidae	Eastern Yellow Robin	<i>Eopsaltria australis</i>
Alaudidae	Horsfield's Bushlark *	<i>Mirafra javanica</i>
Alaudidae	Eurasian Skylark	<i>Alauda arvensis</i>
Sylviidae	Golden-headed Cisticola	<i>Cisticola exilis</i>
Sylviidae	Australian Reed-Warbler	<i>Acrocephalus australis</i>
Sylviidae	Little Grassbird	<i>Megalurus gramineus</i>
Sylviidae	Rufous Songlark	<i>Cincloramphus mathewsi</i>
Sylviidae	Brown Songlark	<i>Cincloramphus cruralis</i>
Zosteropidae	Silvereye	<i>Zosterops lateralis</i>
Hirundinidae	White-backed Swallow *	<i>Cheramoeca leucosterna</i>
Hirundinidae	Welcome Swallow	<i>Hirundo neoxena</i>
Hirundinidae	Fairy Martin	<i>Petrochelidon ariel</i>
Hirundinidae	Tree Martin	<i>Petrochelidon nigricans</i>
Muscicapidae	Bassian Thrush	<i>Zoothera lunulata</i>
Muscicapidae	Common Blackbird	<i>Turdus merula</i>
Sturnidae	Common Starling	<i>Sturnus vulgaris</i>
Sturnidae	Common Myna	<i>Sturnus tristis</i>
Dicaeidae	Mistletoebird	<i>Dicaeum hirundinaceum</i>
Fringillidae	Zebra Finch	<i>Taeniopygia guttata</i>
Fringillidae	Double-barred Finch	<i>Taeniopygia bichenovii</i>
Fringillidae	Red-browed Finch	<i>Neochmia temporalis</i>
Fringillidae	Diamond Firetail	<i>Stagonopleura guttata</i>
Passeridae	House Sparrow	<i>Passer domesticus</i>
Passeridae	Eurasian Tree Sparrow *	<i>Passer montanus</i>
Motacillidae	Australasian Pipit	<i>Anthus novaeseelandiae</i>
Fringillidae	European Goldfinch	<i>Carduelis carduelis</i>
Fringillidae	Common Greenfinch	<i>Chloris chloris</i>

Family	Common Name	Scientific name
Phasianidae	Stubble Quail	<i>Coturnix pectoralis</i>
Phasianidae	Brown Quail	<i>Coturnix ypsilophora</i>
Anatidae	Plumed Whistling-Duck *	<i>Dendrocygna eytoni</i>
Anatidae	Musk Duck	<i>Biziura lobata</i>
Anatidae	Freckled Duck	<i>Stictonetta naevosa</i>
Anatidae	Black Swan	<i>Cygnus atratus</i>
Anatidae	Australian Shelduck	<i>Tadorna tadornoides</i>
Anatidae	Australian Wood Duck	<i>Chenonetta jubata</i>
Anatidae	Pink-eared Duck	<i>Malacorhynchus membranaceus</i>
Anatidae	Australasian Shoveler	<i>Anas rhynchotis</i>
Anatidae	Grey Teal	<i>Anas gracilis</i>
Anatidae	Chestnut Teal	<i>Anas castanea</i>
Anatidae	Pacific Black Duck	<i>Anas superciliosa</i>
Anatidae	Hardhead	<i>Aythya australis</i>
Anatidae	Blue-billed Duck	<i>Oxyura australis</i>
Podicipedidae	Australasian Grebe	<i>Tachybaptus novaehollandiae</i>
Podicipedidae	Hoary-headed Grebe	<i>Poliiocephalus poliocephalus</i>
Podicipedidae	Great Crested Grebe	<i>Podiceps cristatus</i>
Columbidae	Rock Dove	<i>Columba livia</i>
Columbidae	Wonga Pigeon	<i>Leucosarcia melanoleuca</i>
Columbidae	Spotted Dove	<i>Streptopelia chinensis</i>
Columbidae	Common Bronzewing	<i>Phaps chalcoptera</i>
Columbidae	Brush Bronzewing	<i>Phaps elegans</i>
Columbidae	Crested Pigeon	<i>Ocyphaps lophotes</i>
Columbidae	Diamond Dove *	<i>Geopelia cuneata</i>
Columbidae	Peaceful Dove	<i>Geopelia striata</i>
Podargidae	Tawny Frogmouth	<i>Podargus strigoides</i>
Aegothelidae	Australian Owlet-nightjar	<i>Aegotheles cristatus</i>
Apodidae	White-throated Needletail	<i>Hirundapus caudacutus</i>
Anhingidae	Australasian Darter	<i>Anhinga novaehollandiae</i>
Phalacrocoracidae	Little Pied Cormorant	<i>Microcarbo melanoleucos</i>
Phalacrocoracidae	Great Cormorant	<i>Phalacrocorax carbo</i>
Phalacrocoracidae	Little Black Cormorant	<i>Phalacrocorax sulcirostris</i>
Phalacrocoracidae	Pied Cormorant	<i>Phalacrocorax varius</i>
Pelecanidae	Australian Pelican	<i>Pelecanus conspicillatus</i>
Ardeidae	White-necked Heron	<i>Ardea pacifica</i>
Ardeidae	Eastern Great Egret	<i>Ardea modesta</i>
Ardeidae	Intermediate Egret	<i>Ardea intermedia</i>
Ardeidae	Cattle Egret	<i>Ardea ibis</i>
Ardeidae	White-faced Heron	<i>Egretta novaehollandiae</i>
Ardeidae	Little Egret	<i>Egretta garzetta</i>
Ardeidae	Nankeen Night-Heron	<i>Nycticorax caledonicus</i>
Threskiornithidae	Glossy Ibis	<i>Plegadis falcinellus</i>
Threskiornithidae	Australian White Ibis	<i>Threskiornis molucca</i>
Threskiornithidae	Straw-necked Ibis	<i>Threskiornis spinicollis</i>
Threskiornithidae	Royal Spoonbill	<i>Platalea regia</i>
Threskiornithidae	Yellow-billed Spoonbill	<i>Platalea flavipes</i>
Accipitridae	Black-shouldered Kite	<i>Elanus axillaris</i>
Accipitridae	White-bellied Sea-Eagle	<i>Haliaeetus leucogaster</i>

Accipitridae	Whistling Kite	<i>Haliastur sphenurus</i>
Accipitridae	Brown Goshawk	<i>Accipiter fasciatus</i>
Accipitridae	Collared Sparrowhawk	<i>Accipiter cirrocephalus</i>
Accipitridae	Spotted Harrier *	<i>Circus assimilis</i>
Accipitridae	Swamp Harrier	<i>Circus approximans</i>
Accipitridae	Wedge-tailed Eagle	<i>Aquila audax</i>
Accipitridae	Little Eagle	<i>Hieraaetus morphnoides</i>
Accipitridae	Nankeen Kestrel	<i>Falco cenchroides</i>
Accipitridae	Brown Falcon	<i>Falco berigora</i>
Accipitridae	Australian Hobby	<i>Falco longipennis</i>
Falconidae	Black Falcon *	<i>Falco subniger</i>
Falconidae	Peregrine Falcon	<i>Falco peregrinus</i>
Rallidae	Purple Swamphen	<i>Porphyrio porphyrio</i>
Rallidae	Lewin's Rail	<i>Lewinia pectoralis</i>
Rallidae	Buff-banded Rail	<i>Gallirallus philippensis</i>
Rallidae	Baillon's Crake	<i>Porzana pusilla</i>
Rallidae	Australian Spotted Crake	<i>Porzana fluminea</i>
Rallidae	Spotless Crake	<i>Porzana tabuensis</i>
Rallidae	Dusky Moorhen	<i>Gallinula tenebrosa</i>
Rallidae	Eurasian Coot	<i>Fulica atra</i>
Recurvirostridae	Black-winged Stilt	<i>Himantopus himantopus</i>
Charadriidae	Pacific Golden Plover	<i>Pluvialis fulva</i>
Charadriidae	Red-capped Plover	<i>Charadrius ruficapillus</i>
Charadriidae	Black-fronted Dotterel	<i>Euseyonis melanops</i>
Charadriidae	Red-kneed Dotterel	<i>Erythrogonys cinctus</i>
Charadriidae	Banded Lapwing *	<i>Vanellus tricolor</i>
Charadriidae	Masked Lapwing	<i>Vanellus miles</i>
Rostratulidae	Australian Painted Snipe *	<i>Rostratula australis</i>
Scolopacidae	Latham's Snipe	<i>Gallinago hardwickii</i>
Scolopacidae	Red-necked Stint *	<i>Calidris ruficollis</i>
Scolopacidae	Sharp-tailed Sandpiper	<i>Calidris acuminata</i>
Turnicidae	Painted Button-quail	<i>Turnix varius</i>
Turnicidae	Little Button-quail *	<i>Turnix velox</i>
Laridae	Silver Gull	<i>Chroicocephalus novaehollandiae</i>
Cacatuidae	Glossy Black-Cockatoo	<i>Calyptorhynchus lathami</i>
Cacatuidae	Yellow-tailed Black-Cockatoo	<i>Calyptorhynchus funereus</i>
Cacatuidae	Gang-gang Cockatoo	<i>Callocephalon fimbriatum</i>
Cacatuidae	Major Mitchell's Cockatoo *	<i>Lophochroa leadbeateri</i>
Cacatuidae	Galah	<i>Eolophus roseicapilla</i>
Cacatuidae	Long-billed Corella	<i>Cacatua tenuirostris</i>
Cacatuidae	Little Corella	<i>Cacatua sanguinea</i>
Cacatuidae	Sulphur-crested Cockatoo	<i>Cacatua galerita</i>
Cacatuidae	Cockatiel	<i>Nymphicus hollandicus</i>
Psittacidae	Rainbow Lorikeet	<i>Trichoglossus haematodus</i>
Psittacidae	Australian King-Parrot	<i>Alisterus scapularis</i>
Psittacidae	Superb Parrot	<i>Polytelis swainsonii</i>
Psittacidae	Crimson Rosella	<i>Platycercus elegans</i>
Psittacidae	Eastern Rosella	<i>Platycercus eximius</i>
Psittacidae	Swift Parrot *	<i>Lathamus discolor</i>
Psittacidae	Red-rumped Parrot	<i>Psephotus haematotus</i>

Psittacidae	Turquoise Parrot	<i>Neophema pulchella</i>
Cuculidae	Eastern Koel	<i>Eudynamys orientalis</i>
Cuculidae	Horsfield's Bronze-Cuckoo	<i>Chalcites basalis</i>
Cuculidae	Black-eared Cuckoo *	<i>Chalcites osculans</i>
Cuculidae	Shining Bronze-Cuckoo	<i>Chalcites lucidus</i>
Cuculidae	Pallid Cuckoo	<i>Cacomantis pallidus</i>
Cuculidae	Fan-tailed Cuckoo	<i>Cacomantis flabelliformis</i>
Cuculidae	Brush Cuckoo	<i>Cacomantis variolosus</i>
Strigidae	Powerful Owl	<i>Ninox strenua</i>
Strigidae	Barking Owl *	<i>Ninox connivens</i>
Strigidae	Southern Boobook	<i>Ninox novaeseelandiae</i>
Tytonidae	Masked Owl *	<i>Tyto novaehollandiae</i>
Tytonidae	Eastern Barn Owl	<i>Tyto javanica</i>
Alcedinidae	Azure Kingfisher *	<i>Ceyx azureus</i>
Halcyonidae	Laughing Kookaburra	<i>Dacelo novaeguineae</i>
Halcyonidae	Red-backed Kingfisher *	<i>Todiramphus pyrrhopygius</i>
Halcyonidae	Sacred Kingfisher	<i>Todiramphus sanctus</i>
Meropidae	Rainbow Bee-eater	<i>Merops ornatus</i>
Coraciidae	Dollarbird	<i>Eurystomus orientalis</i>
Menuridae	Superb Lyrebird	<i>Menura novaehollandiae</i>
Climacteridae	White-throated Treecreeper	<i>Cormobates leucophaeus</i>
Climacteridae	Red-browed Treecreeper	<i>Climacteris erythroptus</i>
Climacteridae	Brown Treecreeper	<i>Climacteris picumnus</i>
Ptilonorhynchidae	Satin Bowerbird	<i>Ptilonorhynchus violaceus</i>
Maluridae	Superb Fairy-wren	<i>Malurus cyaneus</i>
Pardalotidae	Pilotbird	<i>Pycnoptilus floccosus</i>
Pardalotidae	White-browed Scrubwren	<i>Sericornis frontalis</i>
Pardalotidae	Chestnut-rumped Heathwren*	<i>Hylacola pyrrhopygia</i>
Pardalotidae	Speckled Warbler	<i>Chthonicola sagittata</i>
Pardalotidae	Weebill	<i>Smicrornis brevirostris</i>
Pardalotidae	Brown Gerygone *	<i>Gerygone mouki</i>
Pardalotidae	Western Gerygone	<i>Gerygone fusca</i>
Pardalotidae	White-throated Gerygone	<i>Gerygone albogularis</i>
Pardalotidae	Striated Thornbill	<i>Acanthiza lineata</i>
Pardalotidae	Yellow Thornbill	<i>Acanthiza nana</i>
Pardalotidae	Yellow-rumped Thornbill	<i>Acanthiza chrysorrhoa</i>
Pardalotidae	Chestnut-rumped Thornbill *	<i>Acanthiza uropygialis</i>
Pardalotidae	Buff-rumped Thornbill	<i>Acanthiza reguloides</i>
Pardalotidae	Brown Thornbill	<i>Acanthiza pusilla</i>
Pardalotidae	Southern Whiteface	<i>Aphelocephala leucopsis</i>
Pardalotidae	Spotted Pardalote	<i>Pardalotus punctatus</i>
Pardalotidae	Striated Pardalote	<i>Pardalotus striatus</i>
Meliphagidae	Eastern Spinebill	<i>Acanthorhynchus tenuirostris</i>
Meliphagidae	Lewin's Honeyeater *	<i>Meliphaga lewinii</i>
Meliphagidae	Yellow-faced Honeyeater	<i>Lichenostomus chrysops</i>
Meliphagidae	Singing Honeyeater *	<i>Lichenostomus virescens</i>
Meliphagidae	White-eared Honeyeater	<i>Lichenostomus leucotis</i>
Meliphagidae	Yellow-tufted Honeyeater	<i>Lichenostomus melanops</i>
Meliphagidae	Fuscous Honeyeater	<i>Lichenostomus fuscus</i>
Meliphagidae	White-plumed Honeyeater	<i>Lichenostomus penicillatus</i>

Meliphagidae	White-fronted Honeyeater *	<i>Purnella albifrons</i>
Meliphagidae	Noisy Miner	<i>Manorina melanocephala</i>
Meliphagidae	Spiny-cheeked Honeyeater *	<i>Acanthagenys rufogularis</i>
Meliphagidae	Regent Honeyeater *	<i>Anthochaera phrygia</i>
Meliphagidae	Red Wattlebird	<i>Anthochaera carunculata</i>
Meliphagidae	Crimson Chat *	<i>Epthianura tricolor</i>
Meliphagidae	White-fronted Chat	<i>Epthianura albifrons</i>
Meliphagidae	Black Honeyeater *	<i>Sugomel niger</i>
Meliphagidae	Scarlet Honeyeater *	<i>Myzomela sanguinolenta</i>
Meliphagidae	Crescent Honeyeater	<i>Phylidonyris pyrrhopterus</i>
Meliphagidae	New Holland Honeyeater	<i>Phylidonyris novaehollandiae</i>
Meliphagidae	Black-chinned Honeyeater *	<i>Melithreptus gularis</i>
Meliphagidae	Brown-headed Honeyeater	<i>Melithreptus brevirostris</i>
Meliphagidae	White-naped Honeyeater	<i>Melithreptus lunatus</i>
Meliphagidae	Blue-faced Honeyeater *	<i>Entomyzon cyanotis</i>
Meliphagidae	Noisy Friarbird	<i>Philemon corniculatus</i>
Meliphagidae	Little Friarbird *	<i>Philemon citreogularis</i>
Meliphagidae	Striped Honeyeater *	<i>Plectorhyncha lanceolata</i>
Meliphagidae	Painted Honeyeater *	<i>Grantiella picta</i>
Pomatostomidae	Grey-crowned Babbler *	<i>Pomatostomus temporalis</i>
Pomatostomidae	White-browed Babbler *	<i>Pomatostomus superciliosus</i>
Cinclosomatidae	Spotted Quail-thrush	<i>Cinclosoma punctatum</i>
Cinclosomatidae	Eastern Whipbird	<i>Psophodes olivaceus</i>
Neosittidae	Varied Sittella	<i>Daphoenositta chrysoptera</i>
Campephagidae	Black-faced Cuckoo-shrike	<i>Coracina novaehollandiae</i>
Campephagidae	White-bellied Cuckoo-shrike *	<i>Coracina papuensis</i>
Campephagidae	Cicadabird	<i>Coracina tenuirostris</i>
Campephagidae	White-winged Triller	<i>Lalage sueurii</i>
Pachycephalidae	Crested Shrike-tit	<i>Falcunculus frontatus</i>
Pachycephalidae	Olive Whistler	<i>Pachycephala olivacea</i>
Pachycephalidae	Golden Whistler	<i>Pachycephala pectoralis</i>
Pachycephalidae	Rufous Whistler	<i>Pachycephala rufiventris</i>
Pachycephalidae	Grey Shrike-thrush	<i>Colluricincla harmonica</i>
Oriolidae	Australasian Figbird *	<i>Sphecotheres vieilloti</i>
Oriolidae	Olive-backed Oriole	<i>Oriolus sagittatus</i>
Artamidae	Masked Woodswallow	<i>Artamus personatus</i>
Artamidae	White-browed Woodswallow	<i>Artamus superciliosus</i>
Artamidae	Dusky Woodswallow	<i>Artamus cyanopterus</i>
Artamidae	Grey Butcherbird	<i>Cracticus torquatus</i>
Artamidae	Pied Butcherbird *	<i>Cracticus nigrogularis</i>
Artamidae	Australian Magpie	<i>Cracticus tibicen</i>
Artamidae	Pied Currawong	<i>Strepera graculina</i>
Artamidae	Grey Currawong	<i>Strepera versicolor</i>
Dicruridae	Spangled Drongo *	<i>Dicrurus bracteatus</i>
Dicruridae	Rufous Fantail	<i>Rhipidura rufifrons</i>
Dicruridae	Grey Fantail	<i>Rhipidura albiscapa</i>
Motacillidae	Willie Wagtail	<i>Rhipidura leucophrys</i>
Corvidae	Australian Raven	<i>Corvus coronoides</i>
Corvidae	Little Raven	<i>Corvus mellori</i>
Dicruridae	Leaden Flycatcher	<i>Myiagra rubecula</i>

Dicruridae	Satin Flycatcher	<i>Myiagra cyanoleuca</i>
Dicruridae	Restless Flycatcher	<i>Myiagra inquieta</i>
Dicruridae	Magpie-lark	<i>Grallina cyanoleuca</i>
Corcoracidae	White-winged Chough	<i>Corcorax melanorhamphos</i>
Petroicidae	Jacky Winter	<i>Microeca fascinans</i>
Petroicidae	Scarlet Robin	<i>Petroica boodang</i>
Petroicidae	Red-capped Robin	<i>Petroica goodenovii</i>
Petroicidae	Flame Robin	<i>Petroica phoenicea</i>
Petroicidae	Rose Robin	<i>Petroica rosea</i>
Petroicidae	Pink Robin *	<i>Petroica rodinogaster</i>
Petroicidae	Hooded Robin	<i>Melanodryas cucullata</i>
Petroicidae	Eastern Yellow Robin	<i>Eopsaltria australis</i>
Alaudidae	Horsfield's Bushlark *	<i>Mirafra javanica</i>
Alaudidae	Eurasian Skylark	<i>Alauda arvensis</i>
Sylviidae	Golden-headed Cisticola	<i>Cisticola exilis</i>
Sylviidae	Australian Reed-Warbler	<i>Acrocephalus australis</i>
Sylviidae	Little Grassbird	<i>Megalurus gramineus</i>
Sylviidae	Rufous Songlark	<i>Cincloramphus mathewsi</i>
Sylviidae	Brown Songlark	<i>Cincloramphus cruralis</i>
Zosteropidae	Silvereye	<i>Zosterops lateralis</i>
Hirundinidae	White-backed Swallow *	<i>Cheramoeca leucosterna</i>
Hirundinidae	Welcome Swallow	<i>Hirundo neoxena</i>
Hirundinidae	Fairy Martin	<i>Petrochelidon ariel</i>
Hirundinidae	Tree Martin	<i>Petrochelidon nigricans</i>
Muscicapidae	Bassian Thrush	<i>Zoothera lunulata</i>
Muscicapidae	Common Blackbird	<i>Turdus merula</i>
Sturnidae	Common Starling	<i>Sturnus vulgaris</i>
Sturnidae	Common Myna	<i>Sturnus tristis</i>
Dicaeidae	Mistletoebird	<i>Dicaeum hirundinaceum</i>
Fringillidae	Zebra Finch	<i>Taeniopygia guttata</i>
Fringillidae	Double-barred Finch	<i>Taeniopygia bichenovii</i>
Fringillidae	Red-browed Finch	<i>Neochmia temporalis</i>
Fringillidae	Diamond Firetail	<i>Stagonopleura guttata</i>
Passeridae	House Sparrow	<i>Passer domesticus</i>
Passeridae	Eurasian Tree Sparrow *	<i>Passer montanus</i>
Motacillidae	Australasian Pipit	<i>Anthus novaeseelandiae</i>
Fringillidae	European Goldfinch	<i>Carduelis carduelis</i>
Fringillidae	Common Greenfinch	<i>Chloris chloris</i>

Report on Avian survey at Federal Golf Course (FGC) Canberra – Autumn 2019

██████████ – Field Technician

Brief

To survey an area in the northern part of the FGC for avian values and any supporting structural elements. As peak season (OCT-JAN) for ACT avian diversity had passed, it was decided that at least four separate site surveys be conducted over a one month period. Surveys commenced on 10MAR19 and concluded on 5APR19, the other two being on 15MAR19 and 28MAR19.

Method

The first three parts of the survey were conducted between the hours of 0630 – 0950, approx. 200 mins duration each. The final survey was conducted between 0745 – 0925 hours which amounts to a total of 700 minutes of survey duration. Coordinates of areas of significant avian sightings or supportive elements were recorded via hand held GPS. Where light conditions permitted, photographic evidence was taken. The target area was surveyed via wandering transect.

Conditions across the four parts of the survey were close to perfect with light to no wind and an abundance of sunshine.

Results & Discussion

Golf courses provide suitable habitat for a range of bushland birds through a mixture of both open and closed woodland, copious grassland and small parcels of understorey. 'Edge habitat,' an area where woodland abuts open grassland, is ideal for a roost/perch/forage activity. Intact canopy within woodland offers secure roosting opportunity as most human activity is restricted to daytime and primarily on the fairways. The FGC area of interest within the survey also provides two small dams (main dam plus L-shaped dam) where drinking and bathing may occur for woodland species. Water birds can utilise the bodies of water themselves. Protection exists around these dams in the form of shrubs, close perching trees and steep, open verges.

As a result of this topography and favourable habitat, 49 species of both native woodland and waterbirds were encountered across the four site visits. 21 species were encountered across the entire survey period. In order of average abundance (in brackets) the most prolific species are listed here:

1. Sulphur-crested Cockatoo (55)
2. Australian Wood Duck (44)
3. Superb Parrot (32)
4. King Parrot (18)
5. Australian Magpie (15)
6. Little Corella (13)
7. Galah (12)
8. Eastern Rosella (11)
9. Gang-Gang Cockatoo (10)
10. Noisy Miner (10)

It should be noted that this list is comprised wholly of medium to large sized birds which depend on a woodland/grassland association or indeed a water source. The structure of this golf course lends itself to the conservation of the listed species through the presence of habitat suitable for foraging, perching, roosting and even breeding potential. Conversely, habitat suitable for small to medium species, ie, healthy, abundant understorey and

regrowth is absent other than in a few small areas, primarily bordering the Red Hill Nature reserve to the north of FGC.

The listing above provides insight into the unique habitat that FGC offers with particular reference to the higher than average (ACT Suburban) abundance of species such as Little Corella (*Cacatua sanguinea*), Gang-Gang cockatoo (*Callocephalon fimbriatum*) and of most interest and significance, the Superb Parrot (*Polytelis swainsonii*). It is worth giving these three species of parrot/cockatoo specific commentary. Habitat structure, suitability and connectivity will be discussed:

Superb Parrot

This magnificent parrot species is listed as Threatened both in the ACT, NSW and Federally. There is evidence (Rayner, et. al, 2018) that the species' population in the ACT has been increasing steadily since an influx was noted in 2005. There are two distinct breeding areas in North Canberra (Throsby and Molonglo) and growing evidence that some birds are overwintering in areas in and around Canberra.

The first two site visits revealed roosting/foraging flocks totalling 29 and 28 respectively, with a main aggregation in the centre of the FGC utilising tall (20-30m) Blue Gums (*E. bifasciata/globulus*) as their main resource. Foraging on fairways was on an undetermined plant, potentially *Erodium sp.* and others. Other food sources and plants/trees associated with this species' home range are Ironbark (*E. sideroxylon*), Apple Argyle (*E. cinerea*), the declared pest Cootamundra Wattle (*A. baileyana*) plus various exotic species which the Superb Parrot has been identified as associating with, or feeding on; Plums (*Prunus sp.*) and Chinese Elm (*Ulmus parvifolia*). A transect of the main line of roosting trees is embedded within the species listing for FGC (Attachment C) and is approximate to the main dam where four Superb Parrots were photographed drinking (see Figure 2).

On the third site visit no less than 59 Superb Parrots were observed utilising this roosting/forage area and partial evidence of this aggregation was photographed on 28MAR19 (see Figure 1.)



Figure 1: Superb Parrots roosting high in Blue Gums

Figure 2: Male Superb Parrot drinking at Main dam

The shorter fourth site visit still revealed approx. 20 Superb Parrots roosting in the same area. Much of the Canberra Superb Parrot population has begun, or completed its migration North back to its stronghold in the Lachlan catchment area. The colony still utilising the FGC habitat may indicate potential overwintering of this species and also asks the question if there is a breeding area for Superb Parrots south of Lake Burley Griffin as has been suggested by local experts.

The potential for breeding at the FGC is possible with a number of hollow bearing eucalypts scattered around the course, both dead and alive. The main species of eucalypt which afford these hollows are Blakely's Red Gum (*E. blakeyi*) and Scribbly Gum (*E. rossii*); the latter being located in the southern zone of FGC. Numerous remnants of the

protected Yellow Box – Red Gum woodland are located within 5-10km of FGC and may have a connection to this population. Competition from other hollow nesting birds sighted at FGC would be high though the potential for breeding does exist. Therefore, surveys by suitable experts to establish or discount this potential is strongly suggested between October-December 2019 and in subsequent years.

Little Corella

The population of this species has been increasing in the ACT (and coastal NSW) for the past two decades. With a range normally in drier regions to the west of Canberra it was noted (COG, 2000?) that a small population of Little Corella had taken residence at the FGC towards the end of last century. A steady exponential increase has continued since then where this species now breeds in and around Canberra and the habitat at FGC obviously is still conducive to the presence of the Little Corella (and numerous other parrots and cockatoos). This species also coexists in relative harmony with the most prolific of all birds at FGC, the Sulphur-crested Cockatoo.

Gang-gang Cockatoo

This iconic species (see figure 3.) to the ACT maintains a population stronghold in suburban Canberra with a concentration of abundance in the South Canberra area of which the FGC is a part. During the survey period, its characteristic calls were heard consistently, especially amongst the Blue Gums (*E. bifasciata/globulus*) where I am certain a decent population takes roost. The Australian wide population and distribution of this species is reducing at a steady rate, thereby attracting vulnerable status in the ACT. Its consistent presence in and around the FGC over the past few decades is indicative of supportive habitat and remains significant.



Figure 3: Male Gang-gang Cockatoo perched at FGC



Figure 4: Yellow-tail Black-cockatoo searches for grubs in Blakely's Red gum (*E.blakelyi*)

Other notable species

The enigmatic **Yellow-tailed Black-cockatoo** (*Calyptorhynchus funereus*) was sighted during the first three site visits, in one instance (see figure 4.) seemingly searching for grubs (beetle larvae) under the bark of Blakely's Red gum in the northern section of FGC. Though by no means abundant, its presence is significant in relation to the supportive habitat for larger parrots and cockatoos provided by the FGC.

With a threatened status in the ACT, the often missed **Speckled Warbler** (*Chthonicola sagittata*) takes advantage and solace in some small parcels of dense understory where the FGC adjoins the Red Hill Nature reserve to its north. Only one pair was seen during the survey period though it is not surprising as the Red Hill area in its entirety is supportive of this species to levels considered high anywhere in the ACT (S.Harris, pers comm 2019).

During an unrelated (ACT Woodland- since 1998) survey during the same period with the Red Hill Nature reserve, the author sighted the uncommon species of **Pied Butcherbird** (*Cracticus nigrogularis*) which has only really been sighted in the peri-urban areas to Canberra's west. The connective corridor that FGC provides to this reserve may have been instrumental in this sighting.

Summary and Conclusion

There is no doubt that the FGC provides a unique and supportive habitat to a wide range of woodland birds, some of which have a threatened or vulnerable status,

This is primarily due to the structure of the golf course which offers both open and closed woodland, grassland, some viable understory and the presence of a consistent water source in its two small dams,

The fact that the FGC is consistently watered ensures that most plant and tree species are of significant good health to provide canopy for cover and also a variety of foods for the birds,

The connectivity to, through and beyond the FGC is critical to populating both it and the adjacent Red Hill Nature reserve and surrounding areas of Canberra Nature Park,

Any development undertaken on the current FGC layout would severely impact on a number of species, most important being the threatened Superb Parrot population which utilises the central area of the golf course for roosting and foraging for up to 60 birds currently. Future surveys of this species are warranted to establish its usage in terms of both function and abundance,

A number of tree species, particularly eucalypts, have individuals and stands which are >80-100 years in age and as well as being locally significant, they provide broad range support to a number of avian species. Their aesthetic and collective structure need also be considered.

Survey Area



Areas in which Superb Parrots were observed

Sch 1 1.14

**Native Vegetation to be impacted by the proposed works
on the golf course (cross hatched areas).**



From: Snape, Melissa
Sent: Monday, 29 April 2019 4:59 PM
To: Larson, Eliza; Baines, Greg
Cc: Watts, Michaela
Subject: RE: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]

Hi Eliza

This is new to me. What is it that you require?

Mel

From: Larson, Eliza
Sent: Monday, 29 April 2019 3:25 PM
To: Baines, Greg <Greg.Baines@act.gov.au>; Snape, Melissa <Melissa.Snape@act.gov.au>
Cc: Watts, Michaela <Michaela.Watts@act.gov.au>
Subject: FW: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]
Importance: High

Oh hi,

Resident groups have submitted the attached with regards to the Red Hill Integrated Plan. Do these submissions alter your original advice at all?

Thanks,

Eliza Larson | Project Officer | Conservator Liaison
Phone: +61 2 6207 7009 | Email: eliza.larson@act.gov.au

From: Sayers, Caroline
Sent: Monday, 29 April 2019 2:56 PM
To: Walker, IanS <IanS.Walker@act.gov.au>; Larson, Eliza <Eliza.Larson@act.gov.au>; Watts, Michaela <Michaela.Watts@act.gov.au>
Subject: FW: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]
Importance: High

Apologies! This time with attachments....

Thanks
Caroline

From: Sayers, Caroline
Sent: Monday, 29 April 2019 2:52 PM
To: Walker, IanS <IanS.Walker@act.gov.au>
Cc: Larson, Eliza <Eliza.Larson@act.gov.au>; Watts, Michaela <Michaela.Watts@act.gov.au>
Subject: RE: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]
Importance: High

Hi Ian,

Thanks for the advice below. We will incorporate the recommended buffers accordingly.

We have had some additional ecological information submitted by both the Garran and Hughes Residents Action Group and the Hughes Residents Association, particularly in relation to the superb parrot habitat on the federal golf course. Would you mind providing a response to these submissions please? Let us know if this new information alters your advice below.

In relation to Deakin Section 66, I understand that the recent development application for a storage facility was refused for a number of reasons, including advice from you as the conservator. May we please have a copy of your advice, as I believe it is relevant to the future development options that we are considering as part of the integrated plan?

Happy to discuss

many thanks
Caroline Sayers

From: Walker, IanS
Sent: Friday, 5 April 2019 1:16 PM
To: Terrplan <Terrplan@act.gov.au>

Cc: Larson, Eliza <Eliza.Larson@act.gov.au>

Subject: FW: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]

Importance: High

Sorry for the delay in responding

Comments provided below:

- Options 3 and 4 are preferential from an ecological perspective. These options protect the endangered Box Gum Woodland on Section 66 and Brereton Woodland on the golf course.
- Option 3 is possibly the best alternative. Option 4 allows for investigations into low density residential development on the golf course. This may still result in some impacts on Red Hill Nature Reserve if Gowrie Drive has to be upgraded for access purposes and may also impact on connectivity if access via Kitchener Street results in development of some urban open space.
- The maps provided for Option 3 and 4 show a 50 metre buffer between the proposed golf course development and the existing residences but there does not appear to be any commitment to a buffer between the proposed development and the Brereton Woodlands. Such a buffer is required though it is difficult to provide hard evidence on what width would be appropriate. Based on guidelines for protecting Superb Parrot roosting trees and wintering habitat, a 100 metre buffer may be suitable. Superb Parrots have been observed using Red Hill Nature Reserve and applying this buffer would be beneficial for the other threatened birds known to occupy the area.
- Previous Conservator advice regarding Section 66 is correct and should be considered in the development of the Integrated Plan.

Ian Walker

ACT Conservator

Phone: +61 6205 9027 | Email: IanS.Walker@act.gov.au

Environment, Planning and Sustainable Development Directorate | ACT Government

Dame Pattie Menzies House, Challis Street, Dickson | GPO Box 158 Canberra ACT 2602 www.environment.act.gov.au

We acknowledge and celebrate the Ngunnawal peoples whose traditional lands we work on and pay our respect to elders past and present

From: Terrplan
Sent: Friday, 22 March 2019 3:04 PM
To: Walker, IanS <IanS.Walker@act.gov.au>
Cc: ConservatorFloraFauna <ConservatorFloraFauna@act.gov.au>; Iglesias, Daniel <Daniel.Iglesias@act.gov.au>; Tomlinson, Heather <Heather.Tomlinson@act.gov.au>; Kendall, Matt <Matt.Kendall@act.gov.au>; Walters, Daniel <Daniel.WALTERS@act.gov.au>; Kitchin, Margaret <Margaret.Kitchin@act.gov.au>
Subject: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]
Importance: High

Hi Environment Division of EPSDD,

Please find attached a power point presentation summary of the analysis and draft options of the Integrated Plan for Red Hill Nature Reserve and Surrounds.

In relation to the various roles of the Environment we are most interested to obtain your comments in relation to the 4 proposed options. We also request specific advice in relation to the following key considerations:

- Please provide comments and advice in relation to the attached document about the Brereton woodlands which is located on the Federal Golf Course site. A key question is the width of the buffer to protect this woodland. Its current width is between 15metre and 90metres with an average of 30metres. For this reason the options documents has nominated a buffer of approximately 50metres wide.
- Please confirm advice from the Conservator of Flora and Fauna to the Planning Delivery Section (attached) in relation Deakin section 66. Can this advice be reliably used in relation to the Integrated Plan?
- What is the status of the Plan of Management for the Canberra Nature Park including the Red Hill Nature Reserve? We have been previously advised that it is under review.
- What is the status of the funding/project to cap the old Deakin tip? Will it include the parts of the old tip that are located on Deakin section 66 as well?

Please provide all comments (including 'no comments') to the Territory Plan Section: terrplan@act.gov.au by **COB Wednesday 3 April 2019**.

The Territory Plan section is happy to meet with you should you wish to discuss the Integrated Planning process in detail.

Thanks
Caroline Sayers on behalf of the
Territory Plan Section

From: [REDACTED]@nca.gov.au>
Sent: Wednesday, 1 May 2019 4:31 PM
To: Terrplan
Cc: WorksApproval
Subject: RE: Agency comments on the draft Integrated Plan for Red Hill and Surrounds - options for public consultation (A18838388) [DLM=Sensitive]
Categories: Caroline

Hi Caroline

A few comments on slide content:

- Slide 10 – I think it would be helpful to identify that the Red Hill Nature Reserve is appropriately part of the Hills, Ridges and Buffer Spaces land use policy area under the National Capital Plan.
- Slide 11 – if not explicitly identified on the slide, reference should be made to the NCA’s role in approving any upgrade of Gowrie Drive.
- Slide 14 – where it is stated that development can occur in the nature reserve consistent with the National Capital Plan, I think it should be noted that a range of uses are permitted, including things like roads and public utilities. This is to head off perceptions from the public that nature reserves and Hills, Ridges and Buffer Spaces are not to be developed at all.

Generally, it may be helpful for Territory officers presenting to the community to note that the land surrounding the nature reserve is all within Urban Areas under the National Capital Plan, and therefore the types of uses proposed are not inconsistent with the National Capital Plan.

In relation to Option 2, the NCA is comfortable with the presentation identifying potential upgrades to Gowrie Drive, subject to NCA approval. We’d of course expect to see standard documentation and processes completed including support from ESA, any necessary environmental matters and clearances obtained, and advice from TCCS concerning impacts on the broader road network. There are general requirements under section 3.2.4 of the Plan that will also need to be addressed, however I don’t see these as precluding the road upgrade.

The NCA’s Works Approval team is happy to be engaged if Option 2 eventuates.

Please let me know if you need further advice.

Kind regards

[REDACTED] | Director Strategic Planning
National Capital Authority



[REDACTED]
National Capital Authority | Treasury Building, King Edward Terrace, PARKES ACT 2600
GPO Box 373, CANBERRA ACT 2601 | www.nca.gov.au | Twitter: @NCA_Media



From: Terrplan <Terrplan@act.gov.au>
Sent: Friday, 22 March 2019 1:50 PM
To: WorksApproval <WorksApproval@nca.gov.au>
Cc: [REDACTED]@nca.gov.au; Andrew Smith <andrew.smith@nca.gov.au>
Subject: Agency comments on the draft Integrated Plan for Red Hill and Surrounds - options for public consultation (A18838388) [DLM=Sensitive]

Hello NCA,

Please find attached a power point presentation summary of the analysis and draft options of the Integrated Plan for Red Hill Nature Reserve and Surrounds.

In relation to the role of National Capital Authority we are most interested to obtain your comments in relation to Option 2 as it would involve NCA works approvals. This option could involve significant upgrades to Gowrie Drive to provide primary access to both the existing Golf Course and the proposed retirement village. Additionally, the ACT ESA has stated that under Option 2 secondary access is required due to the bushfire prone nature of Gowrie Drive – this access may be via Brereton Street.

Any other comments the NCA wishes to provide would also be most appreciated.

Please provide all comments (including 'no comments') to the Territory Plan Section: terrplan@act.gov.au by **COB Wednesday 3 April 2019**.

The Territory Plan section is happy to meet with you should you wish to discuss the Integrated Planning process in detail.

Thanks

Caroline Sayers on behalf of the
Territory Plan Section

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ACT GOVERNMENT

Integrated Plan for Red Hill Nature Reserve and Surrounds Options for public consultation

May 2019

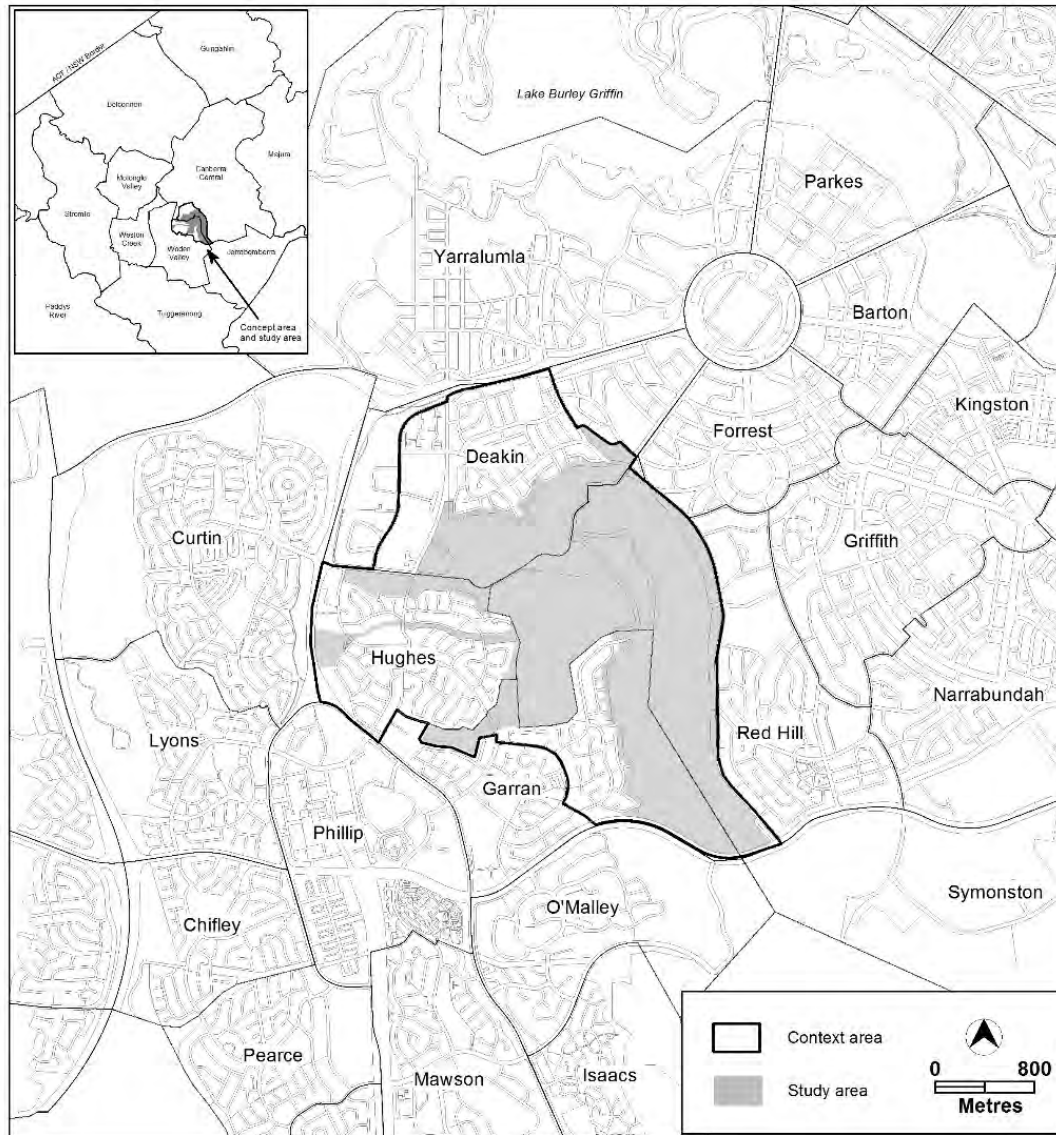


Background –Integrated Plan for Red Hill Nature Reserve and surrounds

Background

- **The Legislative Assembly resolved on 25 October 2017 to prepare an Integrated Plan for the Red Hill Nature Reserve and surrounding residential areas.**
- **October 2017, two petitions with a total of some 3000 signatures were lodged with the Clerk of the Legislative Assembly**
- **The resolution impacts on two proposed Territory Plan variations adjoining the Red Hill Nature Reserve at Deakin section 66 and at the Federal Golf Club.**

Context – Red Hill Nature Reserve location



-part of the inner hills nature reserve system and has outstanding ecological values.

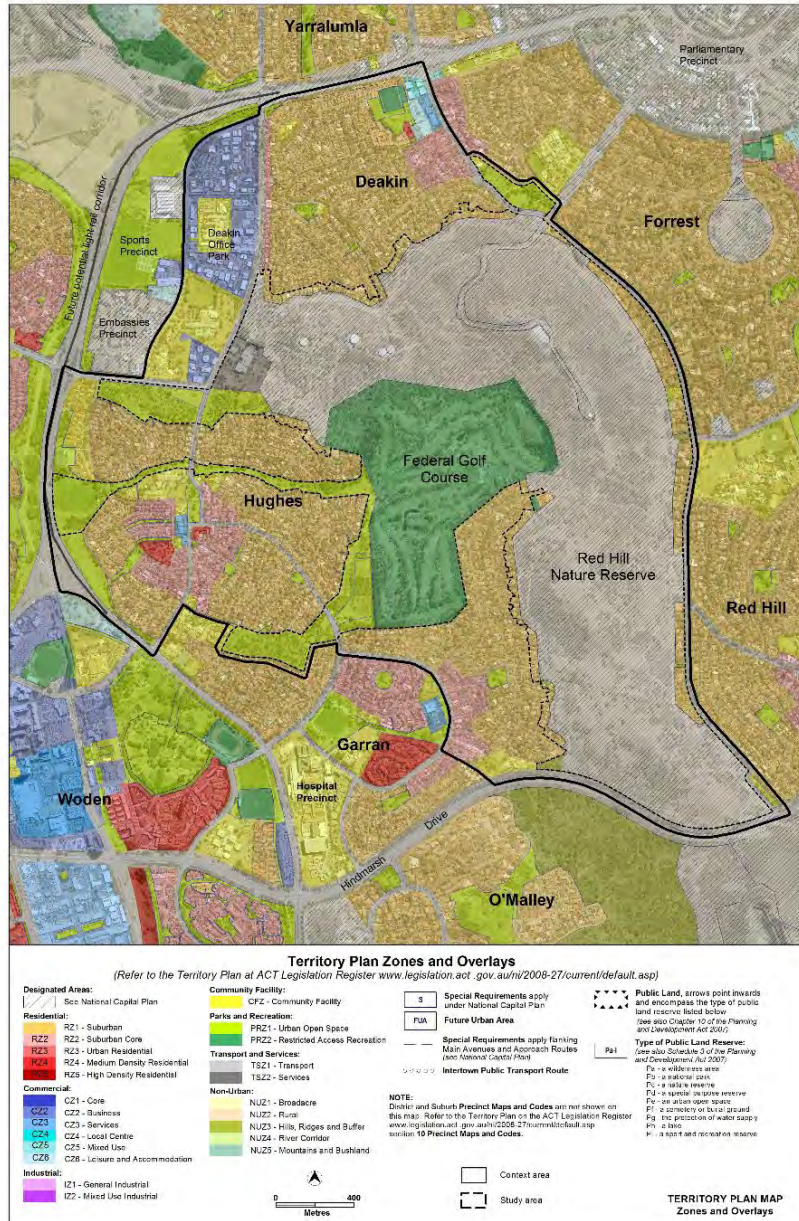
-a valuable recreation resource.

- surrounded by residential suburbs of Red Hill, Forrest, Deakin, Hughes and Garran.

Context – for plan

- The integrated plan areas is focused on the blocks immediately adjoining the Red Hill Nature Reserve.

- A broader context area has also been established to identify and assess land use implications for the integrated plan.



Study Area - Integrated Plan for the Red Hill Nature Reserve and surrounds

Inclusions:

Study area:

- Blocks adjoining the Nature Reserve
- Open space network with links to the reserve.

Broader context area:

- Residential areas of Deakin, Hughes and Garran
- Deakin office precinct



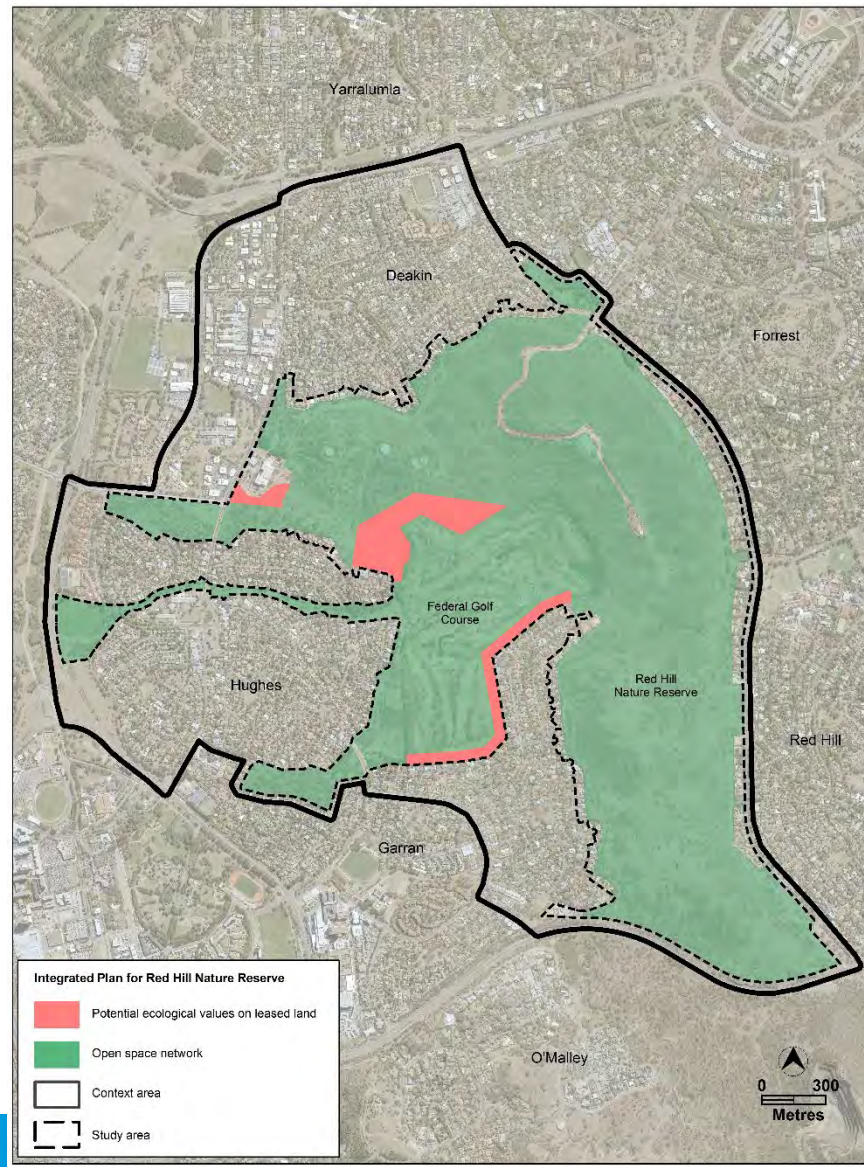
Exclusions:

- Residential areas of Red Hill, Forrest and parts of Garran.
- Embassy and sports precincts in Deakin.
- Hospital precinct in Garran
- Hindmarsh Drive/O'Malley

Opportunities and constraints - Ecological values of the Red Hill Nature Reserve and surrounds

- plan of management for the Nature Reserve recently reviewed.

- open space network, including parts of the Federal Golf Course provide linkages to other high value areas including the Hughes Ridge.



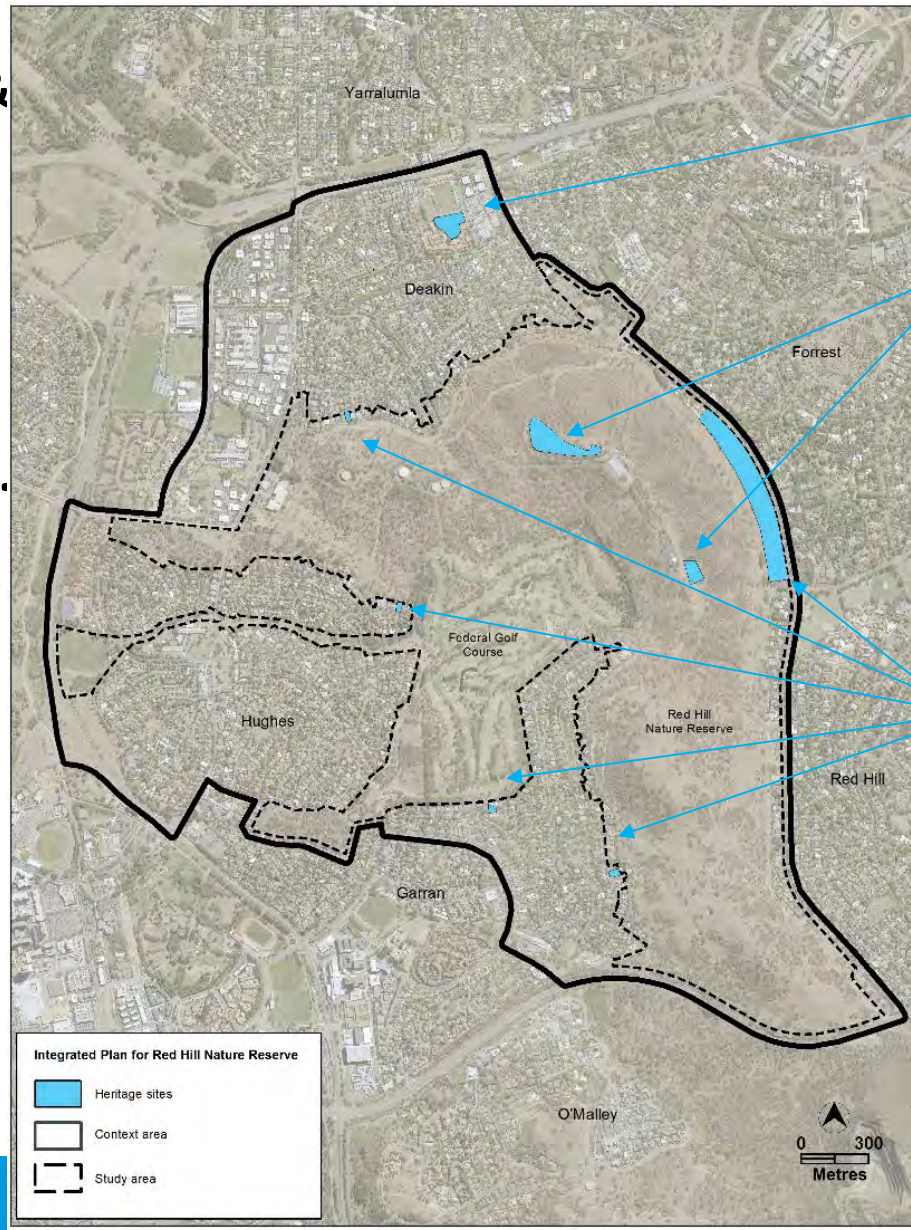
- potential high ecological values exist on leased land adjoining the Nature Reserve .

Opportunities and Constraints – Heritage values

- Seven heritage places registered & protected.

- all Aboriginal places which may occur within the area are protected.

-Heritage Act 2004 approvals may be required



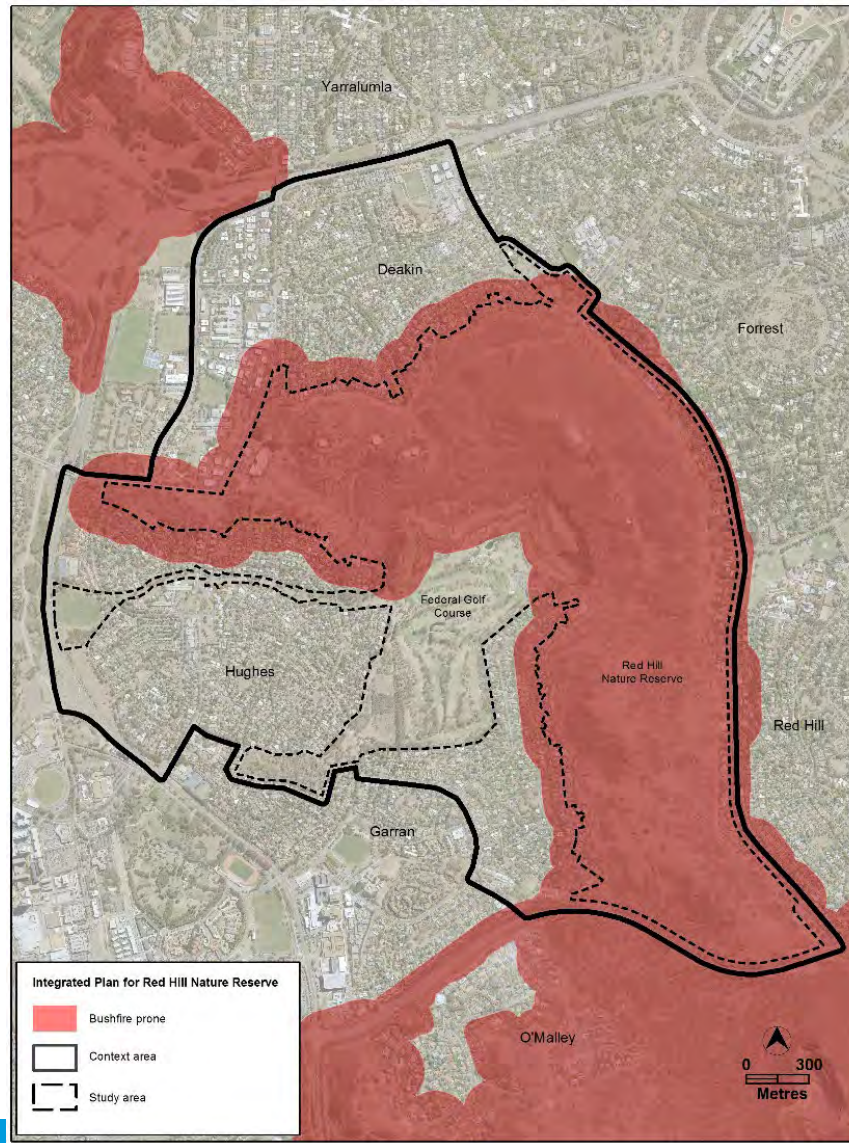
Natural heritage –
Deakin Anticline

Cultural Heritage –
Red Hill Historic
Planting

Built form – Red Hill,
Garran, Hughes and
Deakin historic
housing and
architecture

Opportunities and Constraints – Bushfire hazard

- Red Hill Nature Reserve, & surrounding low density residential areas a subject to bushfire hazards. & also parts of the open space network, the Deakin office park and the Federal Golf Course.



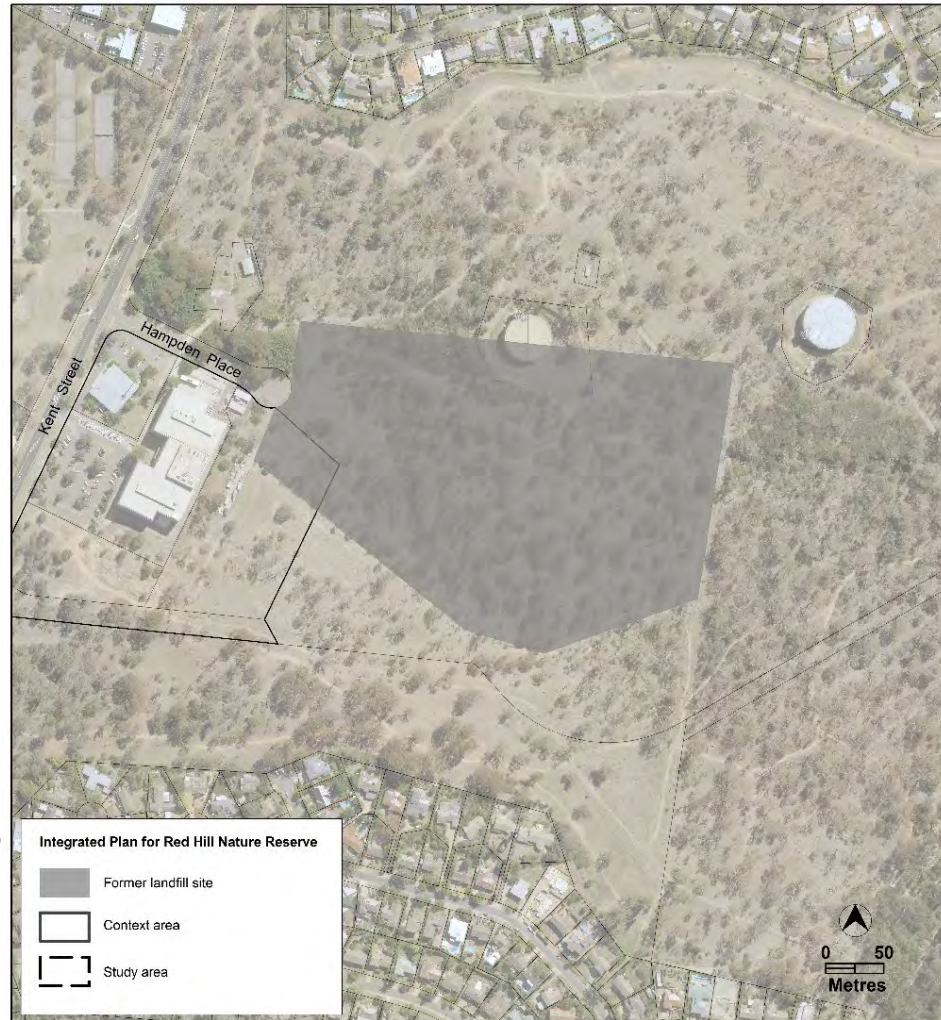
- constrains development potential

Constraints include:
-on site buffers and separation distances at Deakin Section 66
-upgrading of existing roads and provision of alternative emergency access at the Federal Golf Club

Opportunities and constraints – contaminated land

- old Deakin land fill site is located primarily within the Red Hill Nature Reserve, but also extends into Deakin section 66.

- prior to development contaminated land assessment must be reviewed and endorsed by the EPA.



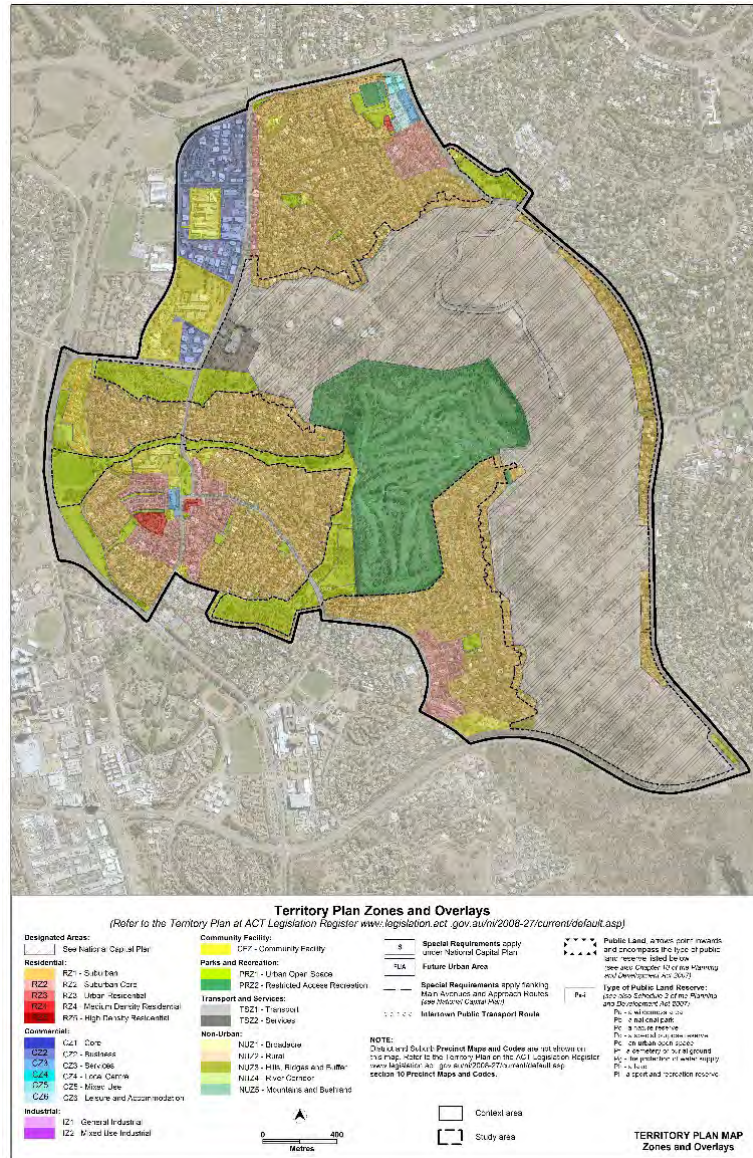
- old Deakin tip is currently subject to assessment, remediation and audit by the land custodian.

- proposed uses must be reviewed and endorsed by the EPA, prior to the landfill area being used for other purposes.

Urban development - considerations

The Plan of Management for the Nature Reserve - administered by ACT Government.
 -does not extend to issuing of development or works approvals.

- The National Capital Plan applies to the Red Hill Nature Reserve and is part of the Hills, Ridges and Buffer Spaces land use policy area under that Plan.



-Territory Plan applies to the land surrounding the Red Hill Nature Reserve.
 - limited development potential on the residential RZ1 suburban land adjoining the Nature Reserve.

-development potential at Deakin section 66 with access to Kent Street, & at the Federal Golf Club with access through the nature reserve via Gowrie Drive.

Urban Development – Traffic and Access

Kent Street

- is running close to capacity during peak periods
- requires upgrading for future development in its catchment.

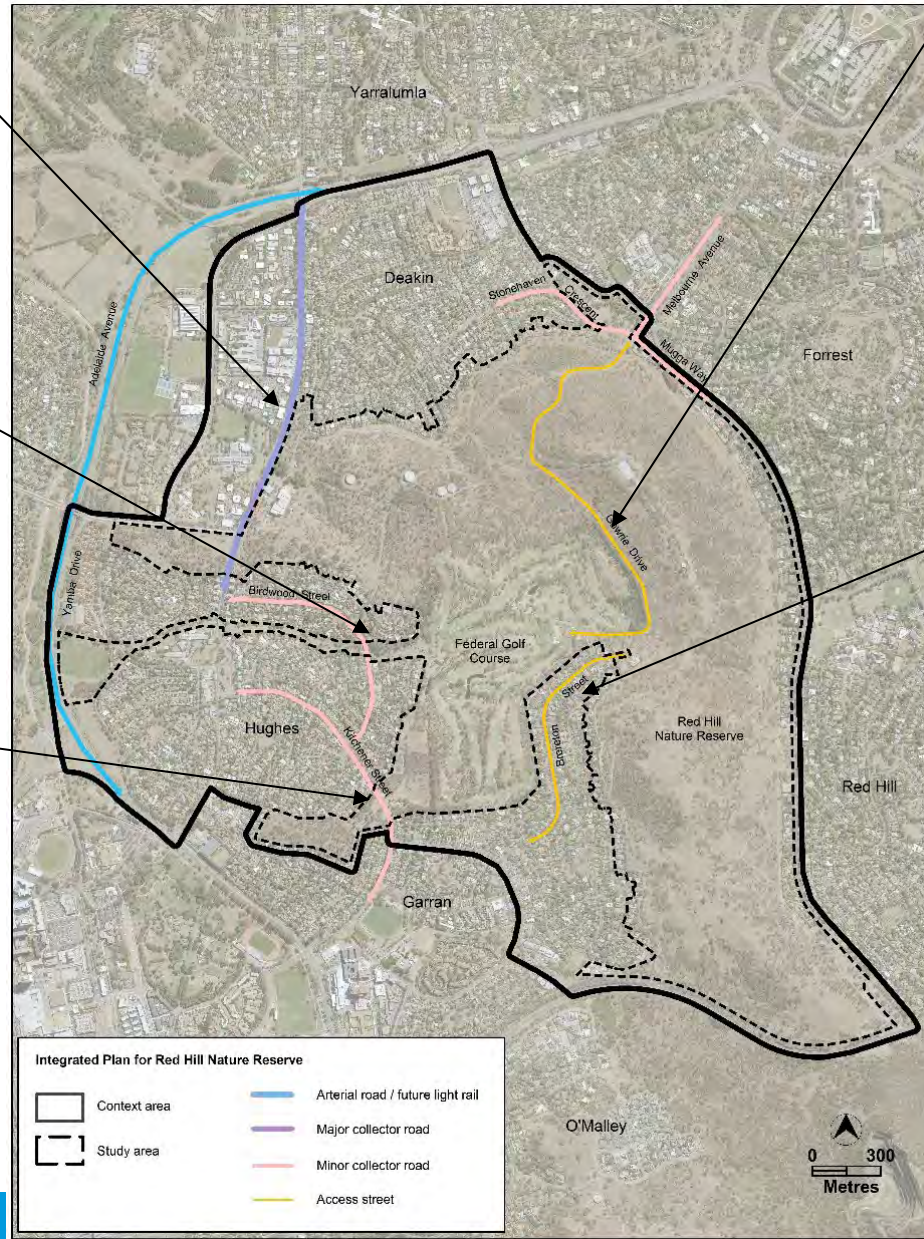
Birdwood Street

- presents difficult access to the Federal Golf Club due to slopes and open space.
- may impact on Kent Street

Street

Kitchener Street

- offers potential access to the Federal Golf Club through public open space.
- may impact on Kent Street
- may have ecological impacts.



Gowrie Drive

- traverses the Nature Reserve
- requires upgrading for future development at the Federal Golf Club subject to National Capital Authority works approval.
- may have ecological impacts.

Brereton Street

- is a residential access street and may impact on residential amenity.
- may be suitable as an emergency access to the Club subject to National Capital Authority works approval.
- could create a rat run from Hughes to Forrest and Deakin.
- may have ecological impacts.

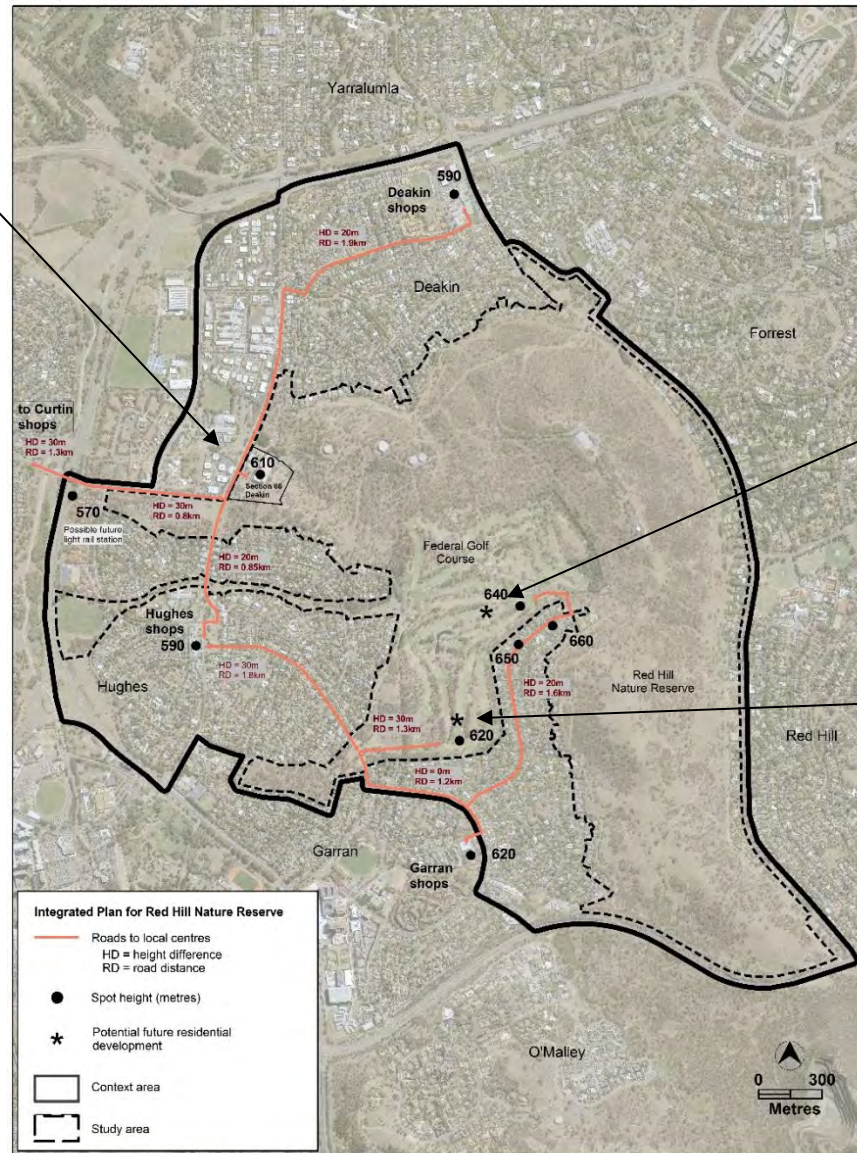
Urban development – residential connections

Deakin Section 66

The site is removed from residential areas. It is located opposite the Deakin Office Park and community uses and Deakin High school.

The site is elevated 20 metres above both the Deakin shops (1.9km) & Hughes shops (850m)

The site is 40m higher than and 800m from the future light rail corridor on Adelaide Avenue. It has access to bus services on Kent Street.



Federal Golf Course

The site adjoins the residential suburbs of Garran and Hughes but is removed from services and local centres:

- The upper half of the course involves a 60metre height change and is some 1.6km from the Garran shops.
- The lower half of the course is at level with the Garran shops 1.2km away.
- There is no direct access to rapid transport from the Golf course sites.

Integrated Plan for Red Hill Nature Reserve and Surrounds - Summary

- **Development within the Red Hill Nature Reserve is administered by the National Capital Authority.**
- **Land management within the Red Hill Nature Reserve is outlined in the Plan of Management for the Canberra Nature Reserve.**
- **Funding has been obtained to cap the old Deakin land fill.**
- **Registered heritage places within and surrounding the Nature Reserve are protected.**
- **The public open space network surrounding the Nature Reserve contribute to links and corridors.**

Integrated Plan for Red Hill Nature Reserve and Surrounds - Summary

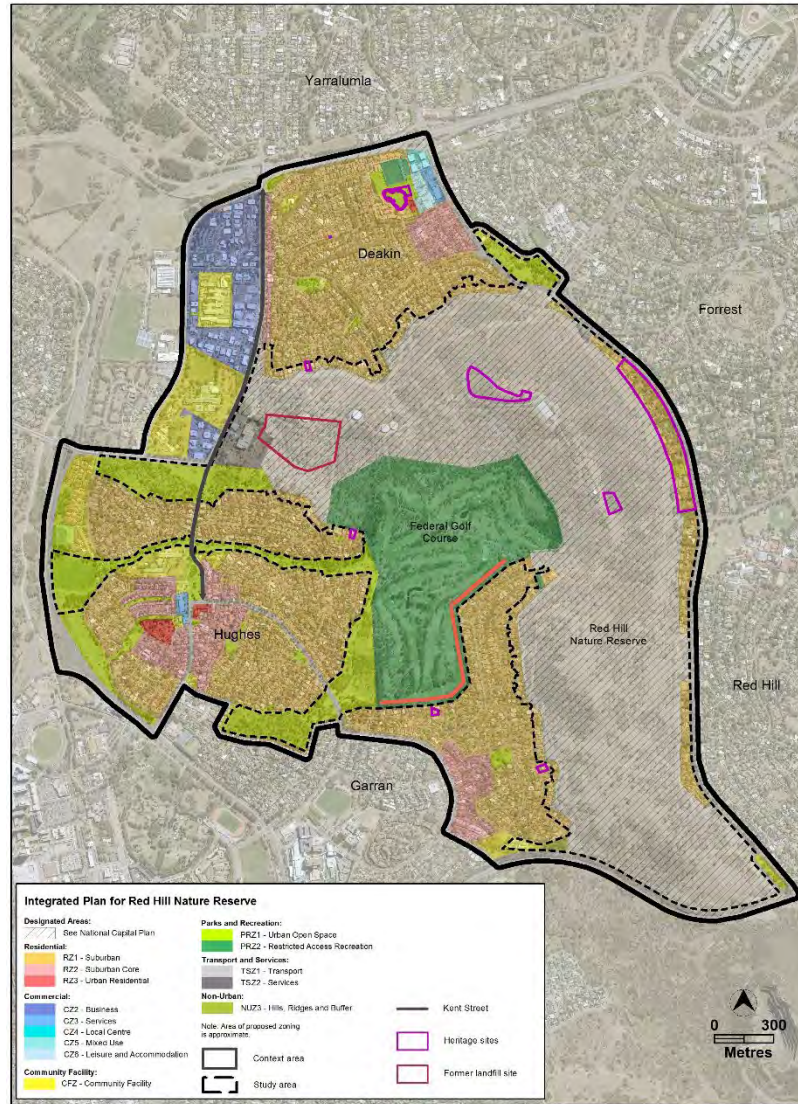
- **Urban development opportunities in existing residential areas adjoining the Nature Reserve are limited due to bush fire prone area, the low density settlement pattern and distance to shops and services.**
- **Urban development opportunities exist at Deakin Section 66 and at the Federal Golf Club. Utility service supplies are adequate.**
- **Urban constraints include: ecological values, bushfire prone areas, traffic and access, urban services for residential development and management of potential impacts on existing urban areas.**

Integrated Plan - Option 1 – Retain the current status

Deakin Section 66

Development could occur at Deakin section 66 consistent with the current Transport TSZ2 Services zoning subject to resolution of:

- bushfire issues
- Ecological values
- Manage impacts on the Nature Reserve
- upgrades to Kent St
- capping of the old Deakin tip on-site.



Red Hill Nature Park

The Red Hill Nature Reserve will be managed consistent with the Plan of Management for the Canberra Nature Park and the National Capital Plan which allows a range of uses including roads and public utilities.

Federal Golf Club

Development could occur on the Federal Golf Course site consistent with the existing lease and the current PR22 Restricted Access Recreation zoning.

Integrated Plan Option 2 – Urban development as proposed

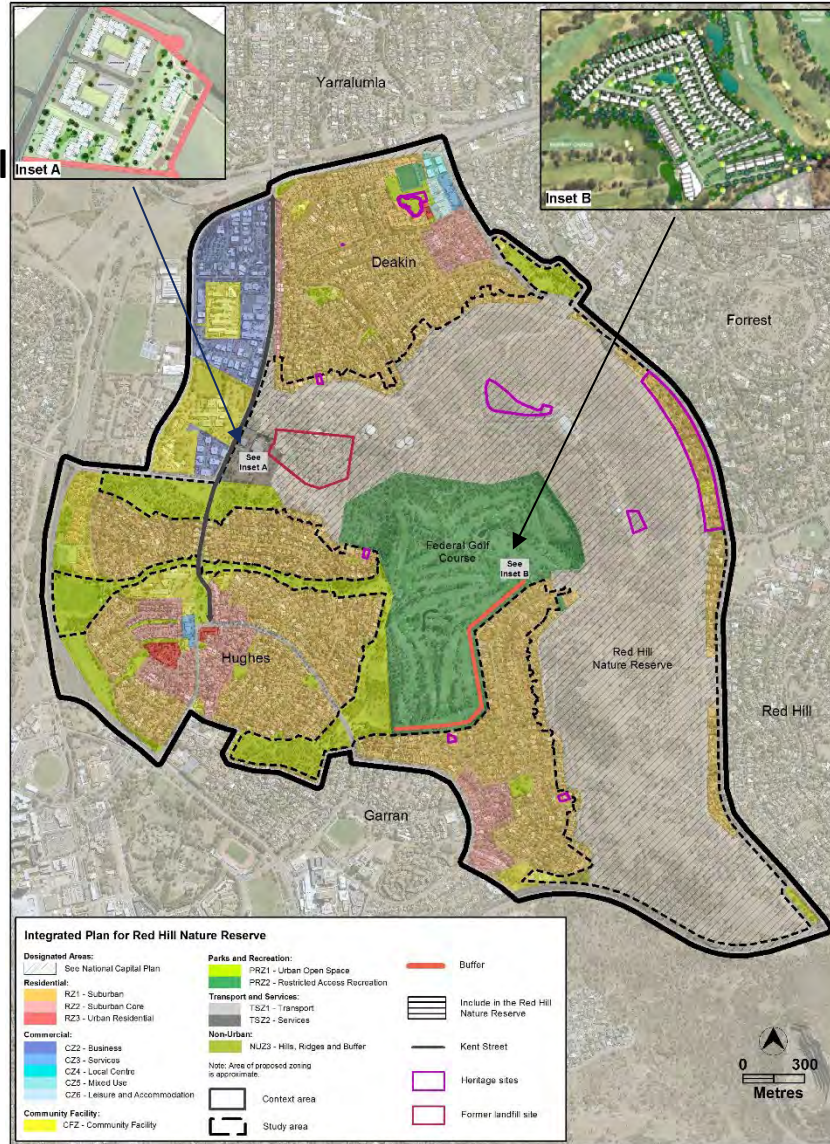
Deakin section 66

Proposed CZ5 commercial mixed use residential, office & retail uses subject to resolution of:

- bushfire issues
- ecological values
- Manage impacts on the Nature Reserve
- upgrades to Kent St
- capping of the old Deakin tip on-site

Red Hill Nature Park

The Red Hill Nature Reserve will be managed consistent with the Plan of Management for the Canberra Nature Park and the National Capital Plan which allows a range of uses including roads and public utilities.



Federal Golf Club

Include high value forested areas into the Red Hill Nature Reserve

Retirement village retaining existing 18 hole golf course subject to resolution of:

- primary access along Gowrie Drive & emergency secondary access to Brereton St, Kitchener St or Birdwood St to ACT Govt. and NCA requirements.
- ecological values including access through the Nature Reserve.
- buffering 100m wide to protect woodland, separate recreational uses and future development from existing residences.

Integrated Plan Option 3 – Expand Deakin Office Park

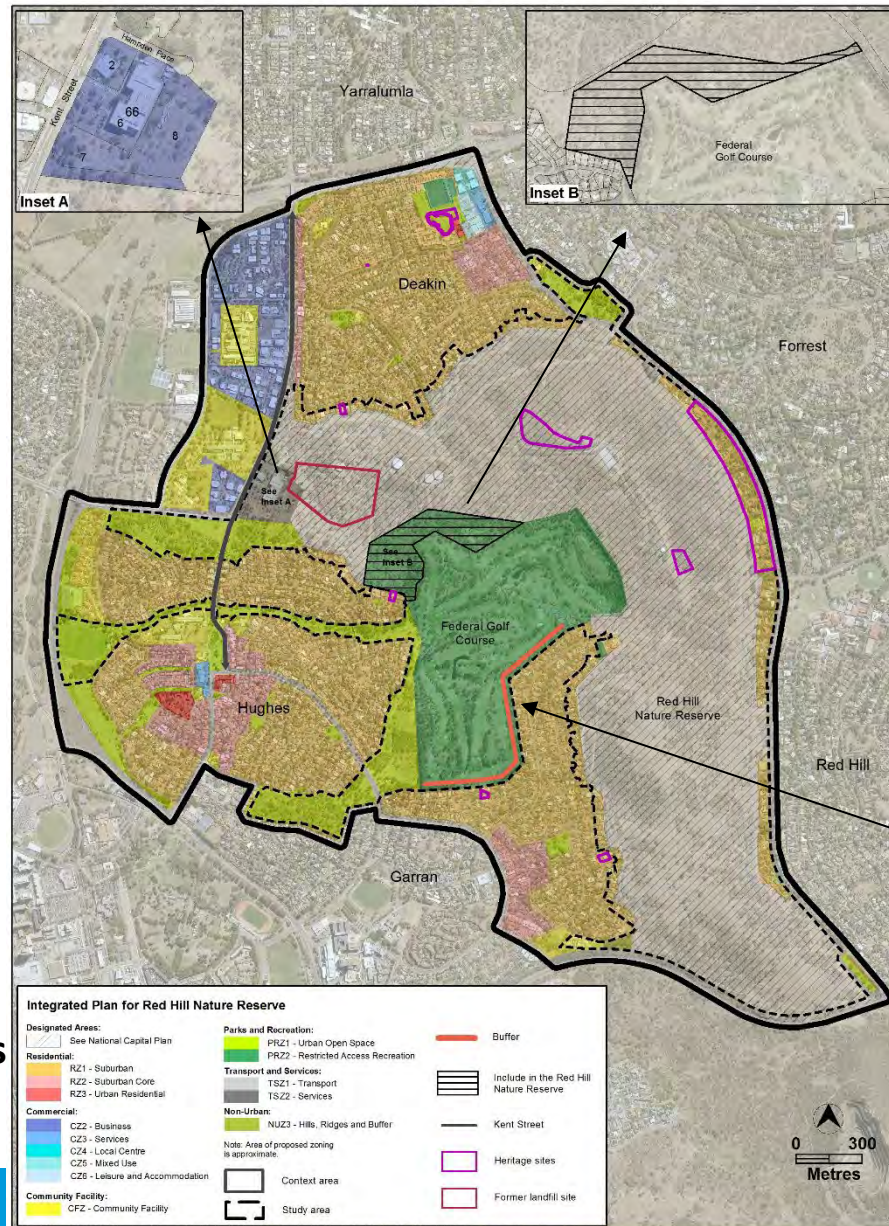
Deakin Section 66

Expand the Deakin Office Park by rezoning the site to C22 Business zone without residential uses subject to resolution of:

- bushfire issues
- ecological values
- manage impacts on the Nature Reserve
- upgrades to Kent St
- capping of the old Deakin tip on-site

Red Hill Nature Park

The Red Hill Nature Reserve will be managed consistent with the Plan of Management for the Canberra Nature Park and the National Capital Plan which allows a range of uses including roads and public utilities.



Federal Golf Club

Include high value forested areas into the Red Hill Nature Reserve

Development can occur on the Federal Golf Course site consistent with the existing lease and the current PR22 Restricted Access Recreation zoning.

Buffering of 100m wide to protect woodland and to separate recreational uses from existing residences.

Integrated Plan Option 4 – Expand Deakin office park & open space network, southern Golf Course

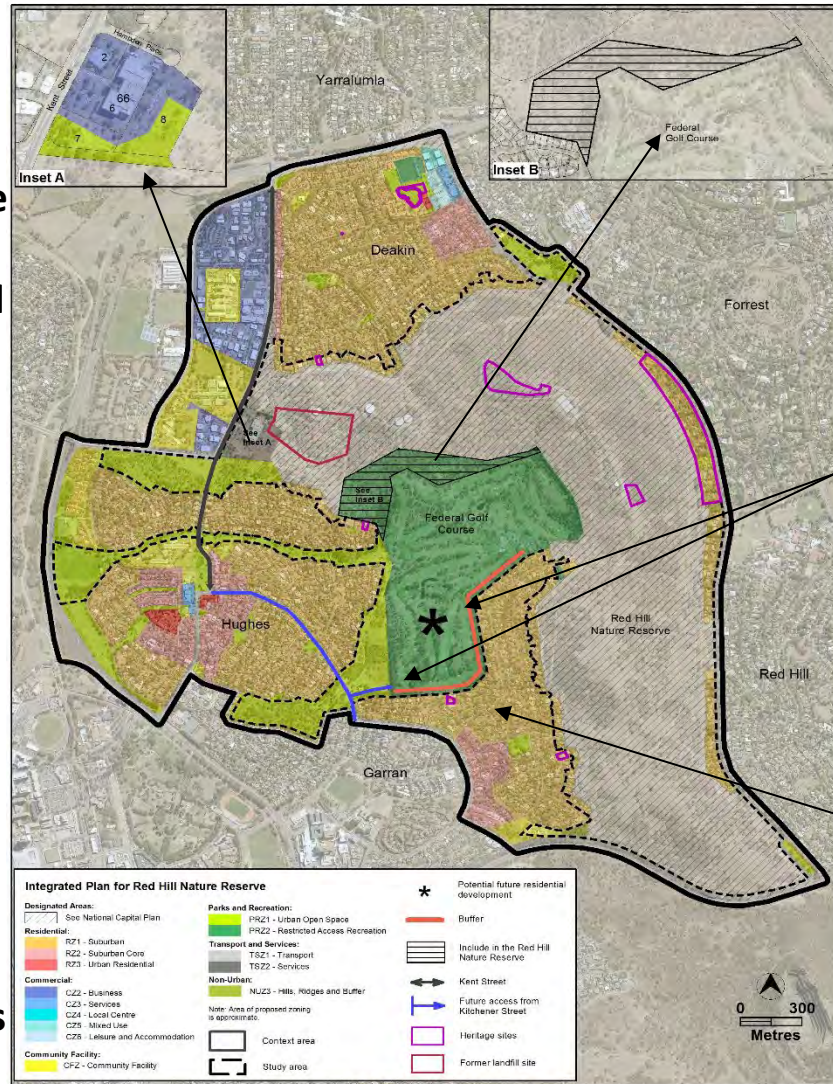
Deakin Section 66

Expand the Deakin Office Park and open space network by rezoning the site to part C22 Business zone without residential uses and part PRZ 2 Urban open space zone subject to resolution of:

- upgrades to Kent St
- capping of the old Deakin tip on-site

Red Hill Nature Park

The Red Hill Nature Reserve will be managed consistent with the Plan of Management for the Canberra Nature Park and the National Capital Plan which allows a range of uses including roads and public utilities.



Federal Golf Club

Include high value forested areas into the Nature Reserve

Retain 18 hole golf course with access via Gowrie Drive

Investigate options for low density retirement style development on lower part of the golf course with access via Kitchener Street.

Buffering of 50m to 100m wide to protect woodland, separate recreational uses and future development from existing residences.



ACT
Government

Thank you

From: Baines, Greg
Sent: Friday, 3 May 2019 10:13 AM
To: ConservatorFloraFauna
Subject: RE: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]

Hi Eliza,

I may have capacity to do some survey work but it depends upon what is required. Would the Integrated Plan require the level of detail to be comparable to what was done on the northern section of the golf course?? Do you know if an EIS/ESO scoping document was prepared for that work? That level of detail is probably beyond our resources but I would need to speak to Margaret about how many people we could use. I will try and chat to you about it today.

Greg Baines
Senior Ecologist, Conservation Research
Environment, Planning and Sustainable Development Directorate
Building 3, 9 Sandford Street, Mitchell 2911
Phone: (02) 6207 2116

From: ConservatorFloraFauna
Sent: Thursday, 2 May 2019 5:11 PM
To: Baines, Greg <Greg.Baines@act.gov.au>
Cc: Watts, Michaela <Michaela.Watts@act.gov.au>
Subject: RE: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]

Thanks Greg,

I tried to catch you on the phone earlier about this so you can ignore my voicemail.

We had a meeting with Caroline today to get a better idea of what the integrated plan will be recommending. Based on the comments provided by all entities it looks like they will rule out development in the northern part of the FGC because of insufficient access, the impact on the NR and the close proximity on three sides of the proposed residential zone to bushfire prone areas. If any part of the FGC is to be developed it is looking like the southern area (marked red below) is the most likely option as it could be serviced by an extension from Kitchener St (pink). The Integrated Plan is likely to recommend that additional work is done to investigate the impact of possible development in this area.



I have been through the provided reports and correspondence when the FGC was applying for an ESO, and they did not survey/assess this area. Have you undertaken a site inspection there and if not would you/CR have the capacity to do so? With your recommended buffer of 100 m applied, most of the edges would be protected except where the new road would transect the western edge.

A thorough site assessment would be ideal to have as a baseline should development be proposed in the future, and would better inform the integrated plan.

Would love to chat about this – let us know what you think is the best way forward.

Thanks,

Eliza Larson | Project Officer | Conservator Liaison
Phone: +61 2 6207 7009 | Email: eliza.larson@act.gov.au

From: Baines, Greg

Sent: Tuesday, 30 April 2019 9:55 AM

To: Larson, Eliza <Eliza.Larson@act.gov.au>

Subject: RE: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]

Hi Eliza,

I don't think this information changes my most recent advice on the draft options for public consultation.

The Draft Woodland Conservation Strategy that is currently our for public comment includes a new draft Superb Parrot Action Plan. This plan contains the following actions that may provide guidance on how the SUpperb Parrots on the area should be managed. The Conservator would be expected to provide advice that is consistent with these actions.

Objective	Action	Indicator
PROTECT		
1. Conserve the ACT Superb Parrot population by protecting areas that support breeding birds and emerging wintering grounds.	1a. Apply formal measures to protect critical breeding habitat of Superb Parrots on Territory land. Encourage formal protection of critical breeding habitat on Commonwealth land.	1a. All confirmed Superb Parrot breeding colonies are protected by appropriate formal measures.
	1b. Identify and apply formal protection to known nest trees and trees on Territory land that support Superb Parrot movement.	1b. All trees identified as 'stepping stones' are nominated for protection via the ACT Tree Register.
	1c. Track the conservation status of Superb Parrots by monitoring abundance in areas that support confirmed breeding colonies and, where appropriate, at emerging ACT wintering grounds.	1c. Superb Parrot abundance is stable or increasing (accounting for temporal population variability and/or future range shift).

Objective	Action	Indicator
	1d. Review and update monitoring and survey guidelines for Superb Parrots.	1d. New guidelines for surveying Superb Parrots are produced.
MAINTAIN & IMPROVE		
2. Enhance long-term viability of Superb Parrot populations through management of open woodland to increase breeding and foraging habitat area.	2a. Manage woodland habitat to ensure persistence of Superb Parrot breeding and foraging resources.	2a. All Superb Parrot nest and forage trees in open woodland, with evidence of use in the last 5 years, are mapped and retained.
	2b. Undertake tree planting to mitigate long-term habitat tree loss in the vicinity of known Superb Parrot breeding locations.	2b. Hollow producing Eucalypt species, such Blakely's Red Gum, Scribbly Gum, River Red Gum and Red Box, are strategically planted within 100 ha of known Superb Parrot breeding locations.
	2c. Maintain suitable understorey structure and condition, particularly ground layer diversity, at known Superb Parrot foraging sites in open woodland.	2c. Understorey condition is maintained or improved at known Superb Parrot foraging sites in open woodland.
3. Enhance long-term viability of Superb Parrot populations through management of urban landscapes to aid connectivity and promote foraging habitat.	3a. Provide advice to planners on plant species favoured by Superb Parrots for foraging in urban open space.	3a. Superb Parrot feed plant species are planted and promoted at known urban foraging locations.
	3b. Provide advice to planners on the location and species composition of Superb Parrot urban movement corridors.	3b. Suitability of known Superb Parrot urban movement corridors is maintained or improved.

Environment, Planning and Sustainable Development Directorate
Building 3, 9 Sandford Street, Mitchell 2911
Phone: (02) 6207 2116

From: Larson, Eliza
Sent: Monday, 29 April 2019 3:25 PM
To: Baines, Greg <Greg.Baines@act.gov.au>; Snape, Melissa <Melissa.Snape@act.gov.au>
Cc: Watts, Michaela <Michaela.Watts@act.gov.au>
Subject: FW: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]
Importance: High

Oh hi,

Resident groups have submitted the attached with regards to the Red Hill Integrated Plan. Do these submissions alter your original advice at all?

Thanks,

Eliza Larson | Project Officer | Conservator Liaison
Phone: +61 2 6207 7009 | Email: eliza.larson@act.gov.au

From: Sayers, Caroline
Sent: Monday, 29 April 2019 2:56 PM
To: Walker, IanS <IanS.Walker@act.gov.au>; Larson, Eliza <Eliza.Larson@act.gov.au>; Watts, Michaela <Michaela.Watts@act.gov.au>
Subject: FW: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]
Importance: High

Apologies! This time with attachments....

Thanks
Caroline

From: Sayers, Caroline
Sent: Monday, 29 April 2019 2:52 PM
To: Walker, IanS <IanS.Walker@act.gov.au>
Cc: Larson, Eliza <Eliza.Larson@act.gov.au>; Watts, Michaela <Michaela.Watts@act.gov.au>

Subject: RE: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]

Importance: High

Hi Ian,

Thanks for the advice below. We will incorporate the recommended buffers accordingly.

We have had some additional ecological information submitted by both the Garran and Hughes Residents Action Group and the Hughes Residents Association, particularly in relation to the superb parrot habitat on the federal golf course. Would you mind providing a response to these submissions please? Let us know if this new information alters your advice below.

In relation to Deakin Section 66, I understand that the recent development application for a storage facility was refused for a number of reasons, including advice from you as the conservator. May we please have a copy of your advice, as I believe it is relevant to the future development options that we are considering as part of the integrated plan?

Happy to discuss

many thanks

Caroline Sayers

From: Walker, IanS

Sent: Friday, 5 April 2019 1:16 PM

To: Terrplan <Terrplan@act.gov.au>

Cc: Larson, Eliza <Eliza.Larson@act.gov.au>

Subject: FW: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]

Importance: High

Sorry for the delay in responding

Comments provided below:

- Options 3 and 4 are preferential from an ecological perspective. These options protect the endangered Box Gum Woodland on Section 66 and Brereton Woodland on the golf course.

- Option 3 is possibly the best alternative. Option 4 allows for investigations into low density residential development on the golf course. This may still result in some impacts on Red Hill Nature Reserve if Gowrie Drive has to be upgraded for access purposes and may also impact on connectivity if access via Kitchener Street results in development of some urban open space.
- The maps provided for Option 3 and 4 show a 50 metre buffer between the proposed golf course development and the existing residences but there does not appear to be any commitment to a buffer between the proposed development and the Brereton Woodlands. Such a buffer is required though it is difficult to provide hard evidence on what width would be appropriate. Based on guidelines for protecting Superb Parrot roosting trees and wintering habitat, a 100 metre buffer may be suitable. Superb Parrots have been observed using Red Hill Nature Reserve and applying this buffer would be beneficial for the other threatened birds known to occupy the area.
- Previous Conservator advice regarding Section 66 is correct and should be considered in the development of the Integrated Plan.

Ian Walker

ACT Conservator

Phone: +61 6205 9027 | Email: IanS.Walker@act.gov.au

Environment, Planning and Sustainable Development Directorate | ACT Government

Dame Pattie Menzies House, Challis Street, Dickson | GPO Box 158 Canberra ACT 2602 www.environment.act.gov.au

We acknowledge and celebrate the Ngunnawal peoples whose traditional lands we work on and pay our respect to elders past and present

From: Terrplan

Sent: Friday, 22 March 2019 3:04 PM

To: Walker, IanS <IanS.Walker@act.gov.au>

Cc: ConservatorFloraFauna <ConservatorFloraFauna@act.gov.au>; Iglesias, Daniel <Daniel.Iglesias@act.gov.au>; Tomlinson, Heather <Heather.Tomlinson@act.gov.au>; Kendall, Matt <Matt.Kendall@act.gov.au>; Walters, Daniel <Daniel.WALTERS@act.gov.au>; Kitchin, Margaret <Margaret.Kitchin@act.gov.au>

Subject: Integrated Plan for Red Hill and Surrounds - draft options for public consultation (A18838388) [DLM=Sensitive]

Importance: High

Hi Environment Division of EPSDD,

Please find attached a power point presentation summary of the analysis and draft options of the Integrated Plan for Red Hill Nature Reserve and Surrounds.

In relation to the various roles of the Environment we are most interested to obtain your comments in relation to the 4 proposed options. We also request specific advice in relation to the following key considerations:

- Please provide comments and advice in relation to the attached document about the Brereton woodlands which is located on the Federal Golf Course site. A key question is the width of the buffer to protect this woodland. Its current width is between 15metre and 90metres with an average of 30metres. For this reason the options documents has nominated a buffer of approximately 50metres wide.
- Please confirm advice from the Conservator of Flora and Fauna to the Planning Delivery Section (attached) in relation Deakin section 66. Can this advice be reliably used in relation to the Integrated Plan?
- What is the status of the Plan of Management for the Canberra Nature Park including the Red Hill Nature Reserve? We have been previously advised that it is under review.
- What is the status of the funding/project to cap the old Deakin tip? Will it include the parts of the old tip that are located on Deakin section 66 as well?

Please provide all comments (including 'no comments') to the Territory Plan Section: terrplan@act.gov.au by **COB Wednesday 3 April 2019**.

The Territory Plan section is happy to meet with you should you wish to discuss the Integrated Planning process in detail.

Thanks
Caroline Sayers on behalf of the
Territory Plan Section

From: Sayers, Caroline
Sent: Tuesday, 14 May 2019 12:28 PM
To: Watts, Michaela
Subject: FW: Notification for RFQ No A1896053 - Red Hill Reserve Surrounds Strategic Traffic Study – Further Development Access Analysis [SEC=UNCLASSIFIED, DLM=Sensitive]
Attachments: 3002666.101 Red Hill Reserve Surrounds Update Report Rev0.obr
Importance: High

Hi Michaela,

Just an update, the traffic analysis is in and it shows that there are no issues with access to the golf course retirement village via Kitchener Street from a traffic point of view.

It now comes down to the ecological values in this location.

I am going to walk the site tomorrow afternoon.

Many thanks
Caroline

From: Lashkari, Mohammadali
Sent: Tuesday, 14 May 2019 11:07 AM
To: Sayers, Caroline <Caroline.Sayers@act.gov.au>; Paynter, Patrick <Patrick.Paynter@act.gov.au>; Walter, Stephan <Stephan.Walter@act.gov.au>
Subject: FW: Notification for RFQ No A1896053 - Red Hill Reserve Surrounds Strategic Traffic Study – Further Development Access Analysis [SEC=UNCLASSIFIED, DLM=Sensitive]

Hi Caroline, Patrick & Stephan,

Please find attached an objective link to draft report of Red Hill Reserve Surrounds Further Traffic Scenarios Study for your review and comment.

Kind regards,

Ali

Mohammadali Lashkari | Engineer

 (02) 6205 4586  Mohammadali.Lashkari@act.gov.au

Infrastructure Planning | Planning, Land and Building Policy | Environment, Planning and Sustainable Development Directorate | ACT Government
Level 3, Dame Pattie Menzies House, 16 Challis Street Dickson 2602 | GPO Box 158 Canberra ACT 2601 | www.planning.act.gov.au



From: [redacted]@smec.com]

Sent: Tuesday, 14 May 2019 12:50 AM

To: Lashkari, Mohammadali <Mohammadali.Lashkari@act.gov.au>

Cc: [redacted]@smec.com>

Subject: RE: Notification for RFQ No A1896053 - Red Hill Reserve Surrounds Strategic Traffic Study – Further Development Access Analysis [SEC=UNCLASSIFIED, DLM=Sensitive]

Ali,

Please find the Draft Report at the link below. The report is too big to email due to the number of figures in it but can be accessed by anyone using the link below. The link will expire on 13 June 2019.

[redacted]

Please review the report and send me consolidated comments from yourself and other reviewers. I will then update the report and submit as final. If you have any questions, please do not hesitate to contact me.

Cheers,

[redacted]
SMEC (Member of the Surbana Jurong Group)

T [redacted]

From: [redacted]

Sent: Friday, 10 May 2019 4:19 PM

To: Lashkari, Mohammadali <Mohammadali.Lashkari@act.gov.au>

Cc: [REDACTED] <[\[REDACTED\]@smec.com](mailto:[REDACTED]@smec.com)>

Subject: RE: Notification for RFQ No A1896053 - Red Hill Reserve Surrounds Strategic Traffic Study – Further Development Access Analysis [SEC=UNCLASSIFIED, DLM=Sensitive]

Hi Ali,

We're nearly done with the draft report for the report for the Red Hill Reserve updates that we agreed to submit today. I'll finalise it over the weekend and hopefully get it to you on Monday.

Sorry for the delay.

Cheers,

[REDACTED]
SMEC (Member of the Surbana Jurong Group)

T [REDACTED]

From: [REDACTED]

Sent: Thursday, 2 May 2019 10:55 AM

To: Lashkari, Mohammadali <Mohammadali.Lashkari@act.gov.au>

Cc: [REDACTED] <[\[REDACTED\]@smec.com](mailto:[REDACTED]@smec.com)>

Subject: RE: Notification for RFQ No A1896053 - Red Hill Reserve Surrounds Strategic Traffic Study – Further Development Access Analysis [SEC=UNCLASSIFIED, DLM=Sensitive]

Hi Ali,

We have received the traffic surveys and we're progressing on the Red Hill project. However, Lindsay is out of the office due to an injury and we're a little bit behind. Submission on 7 May is unlikely at this stage. Are you OK for us to submit a little later, hopefully by 10 May?

Let me know if you have any issues with that submission date.

Cheers,

[REDACTED]
SMEC (Member of the Surbana Jurong Group)

T [REDACTED]

From: Lashkari, Mohammadali [<mailto:Mohammadali.Lashkari@act.gov.au>]

Sent: Thursday, 4 April 2019 11:10 AM

To: [REDACTED] [@smec.com](mailto:[REDACTED]@smec.com)>

Cc: [REDACTED] [@smec.com](mailto:[REDACTED]@smec.com)>

Subject: RE: Notification for RFQ No A1896053 - Red Hill Reserve Surrounds Strategic Traffic Study – Further Development Access Analysis [SEC=UNCLASSIFIED, DLM=Sensitive]

Hi [REDACTED]

Thank you for the update.

Kind regards,

Ali

Mohammadali Lashkari | Engineer

 (02) 6205 4586  Mohammadali.Lashkari@act.gov.au

Infrastructure Planning | Planning, Land and Building Policy | Environment, Planning and Sustainable Development Directorate | ACT Government

Level 3, Dame Pattie Menzies House, 16 Challis Street Dickson 2602 | GPO Box 158 Canberra ACT 2601 | www.planning.act.gov.au



From: [REDACTED] [@smec.com](mailto:[REDACTED]@smec.com)]

Sent: Thursday, 4 April 2019 11:05 AM

To: Lashkari, Mohammadali <Mohammadali.Lashkari@act.gov.au>

Cc: [REDACTED]@smec.com>

Subject: RE: Notification for RFQ No A1896053 - Red Hill Reserve Surrounds Strategic Traffic Study – Further Development Access Analysis [DLM=Sensitive]

Ali,

The additional traffic counts are scheduled for Tuesday 9 April. It can take up to two weeks for the surveyor to process the count data and provide it to us. By our proposed submission schedule this gives a tentative submission date for the draft report of 7 May. I will inform you if this changes.

Regards

[REDACTED]
[REDACTED]
SMEC (Member of the Surbana Jurong Group)
T [REDACTED]

From: [REDACTED]

Sent: Friday, 29 March 2019 18:00

To: Lashkari, Mohammadali <Mohammadali.Lashkari@act.gov.au>

Subject: RE: Notification for RFQ No A1896053 - Red Hill Reserve Surrounds Strategic Traffic Study – Further Development Access Analysis [DLM=Sensitive]

Ali,

Thanks, we're looking forward to working on this again.

I'll get this processed early next week.

Regards

[REDACTED]
[REDACTED]
SMEC (Member of the Surbana Jurong Group)
T [REDACTED]

From: Lashkari, Mohammadali <Mohammadali.Lashkari@act.gov.au>

Sent: Wednesday, 27 March 2019 17:35

To: [redacted]@smec.com>
Cc: [redacted]@smec.com>; Paynter, Patrick <Patrick.Paynter@act.gov.au>; Sayers, Caroline <Caroline.Sayers@act.gov.au>; Walter, Stephan <Stephan.Walter@act.gov.au>
Subject: Notification for RFQ No A1896053 - Red Hill Reserve Surrounds Strategic Traffic Study – Further Development Access Analysis [DLM=Sensitive]

Hi [redacted]

Thank you for submitting a Quotation in response to the above Request for Quotation (RFQ).

The Quotations have been evaluated in accordance with the requirements of the RFQ. Following the conclusion of the evaluation process, Territory would like to inform you that your quotation has been successful.

Please find attached the signed RFQ/agreement and proceed according to the timeframe provided in the RFQ.

Please acknowledge receipt of this email.

Kind regards

Ali

Mohammadali Lashkari | Engineer

☎ (02) 6205 4586 📧 Mohammadali.Lashkari@act.gov.au

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