Consultants Badging

# Native Vegetation Clearance

# <Proposal – Report Title>

# Data Report

Clearance under the *Native Vegetation Regulations 2017*

<Date>

Prepared by <NVC Accredited Consultant>

Example photo

***<Delete all instructional and example text in Red>***

*Reports, ESRI shapefiles, photos and attachments are to be submitted through the Native Vegetation Online Application Portal accessed at https://apps.environment.sa.gov.au/nvmu/. Files must be:*

*• PDF format (no scans)*

*• PDF must be searchable and copyable*

*• Scoresheets to be excel format*

*This data report should be written in a way appropriate for 28 days of public consultation http://www.environment.sa.gov.au/topics/native-vegetation/clearing/consultation-under-way*

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# 1. Application information

**Application Details**

|  |  |
| --- | --- |
| Applicant: | Name |
| Key contact: | Name and contact details |
| Landowner: | *If the applicant is not the landowner, written permission must be provided* |
| Site Address: | e.g. 1 Smith Street, Smithtown |
| Local Government Area: |  | Hundred: |  |
| Title ID:  | CTCRCL | Parcel ID | SecDP A/QFP A/Q |

**Summary of proposed clearance**

|  |  |
| --- | --- |
| Purpose of clearance | e.g. Clearance required for the construction of a house, vehicle access and ancillary structures including a shed and rainwater tank  |
| Native Vegetation Regulation | e.g. Regulation 12, Schedule 1; clause 33, House or Buildings |
| Description of the vegetation under application | Size, type and general condition - e.g. 1.25 ha of Stringybark (*Eucalyptus obliqua*) Woodlands in good condition and 5 large healthy Blue Gum (*Eucalyptus leucoxylon*) trees. |
| Total proposed clearance - area (ha) and number of trees  | e.g. 0.72 ha and 5 scattered trees are proposed to be cleared.  |
| Level of clearance | Level 2, 3 or 4 |
| Overlay (Planning and Design Code) | Native Vegetation Overlay or State Significant Native Vegetation Overlay (for applications associated with a development application only) |
| Map of proposed clearance area (show as a minimum; property boundary and proposed clearance area) |
| Mitigation hierarchy | The consultant must briefly describe the steps that have been taken to avoid and then minimize impacts on native vegetation. |
| SEB Offset proposal | Payment of $XXXXX or XXX ha on-ground |

# 2. Purpose of clearance

* 1. **Description**

Provide a description of the purpose of the clearance.

* 1. **Background**

Provide background information for the site of proposed clearance for context e.g. current and surrounding land use, history of the site (where relevant), and other relevant details. Also provide details of any associated development or future stages of the development, particularly if this application only constitutes a portion of a broader impact on native vegetation.

* 1. **General location map**

Provide representative maps displayed at multiple scales including;

* Site map(s) (recommended scale 1:10 000 or lower) showing the boundary of the area of impact. The map(s) should include the location of individual scattered trees (if applicable) and patches of vegetation proposed to be cleared
* Location map (recommended scale 1:50 000 or higher) showing landscape features, site boundary and any other relevant details, such as local government boundaries and township locations, appropriate at this scale
	1. **Details of the proposal**

Provide specific information relating to the proposal, particularly any design plans and drawings and proposed layout. This information is critical in order to determine the extent of clearance that may be required and whether reasonable steps have been taken to avoid and minimize clearance.

Where possible, the design plan and drawings should be overlaid on an aerial image with the vegetation proposed to be impacted identified. Geo located files can be provided with the application.

* 1. **Approvals required *or* obtained**

Provide details of the following approvals or applications under the follow legislation, where relevant:

* Native Vegetation Act 1991 (provide details of any previous approvals that are relevant)
* Planning, Development and Infrastructure Act 2016 (provide Development Application number/s)
* Water Resources Act 1997 (e.g. a water license)
* Environment Protection and Biodiversity Conservation Act 1999 (impacts on MNES)
* National Parks and Wildlife Act 1972 (e.g. flora collection permit)
* Landscapes SA (e.g. water affecting activity permit)
* Aboriginal Heritage Act 1988
	1. **Native Vegetation Regulation**

Identify the regulation(s) and the associated clause(s) in Schedule 1 in Division 5 of the Native Vegetation Regulations under which the proposed clearance is suggested to be assessed.

* 1. **Development Application information (if applicable)**

Identify to Zone, Subzone and Overlay (Native Vegetation Overlay or State Significant Native Vegetation Overlay).

# 3. Method

* 1. **Flora assessment**

Provide details of the flora assessment, such as database searches, date(s) of inspection, time spent on site and effort and methodology applied including searches for the presence of species listed under the NP&W 1972 or the EPBC Act 1999.

* 1. **Fauna assessment**

Provide details of the fauna assessments undertaken, including database searches.

* Fauna Survey (level 3 and 4) – based on Biological Survey Methodology - surveys to be designed and targeted to areas where the database search and/or observations indicate the presence of a threatened species listed under the EPBC Act or NP&W Act.
* For level 3 or 4 applications, describe the sampling methods to detect the presence of species. Information must be provided on the survey methods followed, survey effort (time/days and area surveyed) and results. Surveyors must ensure that any relevant fauna permit (e.g. under the NPW Act) has been obtained prior to conducting the survey).

# 4. Assessment Outcomes

*Provide information on the following assessment criteria. For more information see the NVC’s* [*Guide for Applications to Clear Native Vegetation*](http://www.environment.sa.gov.au/files/sharedassets/public/native_veg/guide-for-applications-to-clear-under-the-act-or-regulations-rep.pdf)*.*

* 1. **Vegetation Assessment**

**General description of the vegetation, the site and matters of significance**

Provide a general description of the site including the following;

* Landform, geography and soils
* Landform feature of significance (rivers, creeks, rocky outcrops, etc.)
* General overview of the vegetation under application as a whole (e.g. contains x number of vegetation associations / trees)
* General description of the vegetation relating to type and condition (i.e. is the vegetation relatively homogeneous, or there significant variation)
* Provide a description of the landscape context for the vegetation (e.g. isolated patch of vegetation in cropping landscape) and proximity to protected areas (Conservation Parks, Heritage Agreements, etc.)

**Details of the vegetation associates/scattered trees proposed to be impacted**

For **each** vegetation association present, provide the following;

|  |  |
| --- | --- |
| Vegetation Association | (e.g. Vegetation Association 1; Eucalyptus odorata open woodland). |
| Representative photo(s)* Provide direction and location of the photo(s)
* multiple photos must be provided for the larger sites or for sites with higher levels of heterogeneity
* provide photos of matters of significance such as critical habitat elements or significant species observed on site
* provide photos where relevant for matters referred to in the text (i.e. if the text indicates that clearance will occur in an area of a vegetation association because it has sparser vegetation than the rest of the site, then a photo of this area must be provided)
* additional photos can be provided in the appendices where there are too many to be contained in the body of the report.

  |
| General description | e.g. dominant species, condition and observations of disturbance |
| Threatened species or community | Provide details of any threatened flora or fauna under the NP&W Act or EPBC Act listed species or community |
| Landscape context score |  | Vegetation Condition Score |  | Conservation significance score |  |
| Unit biodiversity Score |  | Area (ha) |  | Total biodiversity Score |  |

For **each** scattered tree or patch of trees present, provide the following;

|  |  |
| --- | --- |
| Tree ID – e.g. Tree 1 or Cluster 1 | Representative photo(s)* Provide direction and location of the photo
* Show full extent of tree, plus range pole
* Provide additional photos were relevant showing features of interest (e.g. hollows) or different perspectives of the tree.
 |
| Tree spp. (e.g. *Eucalyptus odorata*) |
| Number of trees – If a cluster |
| Height (m) – |
| Hollows – (e.g. 1 large, 0 medium and 3 small) |
| Diameter (cm) – |
| Canopy dieback (%) – |
| Total Biodiversity Score – |
| General comments relating to the condition or value of the tree, threatened species it provides habitat for, and any other matters that might be relevant. |

Note; if the number of trees being applied for are greater than 30, then a list of the tree attributes can be used with photos provided in the appendices.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tree # | Tree spp. | No. of trees | Height (m) | Hollows | Diameter (cm) | Canopy dieback (%) | Biodiversity Score | General comments | Photo # |
| 1 | Eucalyptus ordorata |  | 12.5 | 2 small, 1 large | 50 | 5 | 6.3 | Large tree in good condition providing habitat for a number of threatened species | 1 |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

**Site map showing areas of proposed impact**

The site map must***clearly delineate******each vegetation association***(if a vegetation patch) and/or***the scattered trees*** proposed to be cleared – this must be able to be cross referenced with the descriptions provided above.

**Photo log**

Provide a series of photos of the area of proposed impact with location and direction of the photo recorded, marked on a map.

* 1. **Threatened Species assessment**

Provide the Database search (BDBSA, EPBC, AoLA) results plus direct observations or incidental records of, or suitable habitat for, NP&W Act listed species or EPBC Act listed species. If present (for flora), the location of these matters must be identified on a map.

Discuss the suitability of the habitat and likelihood of the presences of the threatened species that were identified from the search of the databases or field observations.

**Noting; regardless of the finding for habitat suitability, any species that has been recorded from within 5km of the proposed impact site (50km in the arid zone) since 1995, must be included in the bushland assessment, Rangeland assessment or Scattered tree scoresheet. If using the EPBC Protected matters search tool, only include species where the results state that the “Species or species habitat known to occur in the area”. Species can be removed from this list if (and only if) they are marine or wetland species and vegetation under assessment is terrestrial** **or likelihood of occurrence is determined as unlikely below and Native Vegetation Branch has supported that finding..**

For level 3 or 4 applications, complete the following habitat suitability table.

**Species observed on site, or recorded within 5km (50km in the arid zone) of the application area since 1995, or the vegetation is considered to provide suitable habitat**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Species (common name) | NP&W Act | EPBC Act | Data source | Date of last record  | Species known habitat preferences | Likelihood of use for habitat – Comments |
| *Leipoa ocellata* (Malleefowl) | V | VU | 4 | 2020 | Mallee vegetation with a thick layer of leaf litter | Known – an active nest was observed during the field assessment.  |
|  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |
| Source; 1- BDBSA, 2 - AoLA, 3 – NatueMaps 4 – Observed/recorded in the field, 5 - Protected matters search tool, 6 – othersNP&W Act; E= Endangered, V = Vulnerable, R= Rare EPBC Act; Ex = Extinct, CR = Critically endangered, EN = Endangered; VU = Vulnerable |

Criteria for the likelihood of occurrence of species within the Study area.

|  |  |
| --- | --- |
| **Likelihood**  | **Criteria**  |
| Highly Likely/Known  | Recorded in the last 10 years, the species does not have highly specific niche requirements, the habitat is present and falls within the known range of the species distribution or; The species was recorded as part of field surveys.  |
| Likely  | Recorded within the previous 20 years, the area falls within the known distribution of the species and the area provides habitat or feeding resources for the species.  |
| Possible  | Recorded within the previous 20 years, the area falls inside the known distribution of the species, but the area provide limited habitat or feeding resources for the species. Recorded within 20 -40 years, survey effort is considered adequate, habitat and feeding resources present, and species of similar habitat needs have been recorded in the area.  |
| Unlikely  | Recorded within the previous 20 years, but the area provide no habitat or feeding resources for the species, including perching, roosting or nesting opportunities, corridor for movement or shelter. Recorded within 20 -40 years; however, suitable habitat does not occur, and species of similar habitat requirements have not been recorded in the area. No records despite adequate survey effort.  |

* 1. **Cumulative impact**

*When exercising a power or making a decision under Division 5 of the Native Vegetation Regulations 2017, the NVC must consider the potential cumulative impact, both direct and indirect, that is reasonably likely to result from a proposed clearance activity.*

Describe all the sources of likely impact on native vegetation that have been considered and addressed as part of this application and the expected extent and severity of those impacts.

The cumulative impacts must consider all the clearance that is likely to result from the application, including the following;

* clearance directly required for the development (e.g. access, building footprints, associated infrastructure – power and water, etc.),
* subsequent clearance that will be permitted or required (e.g. 10m around a building, 20m around a dwelling, clearance for fire protection),
* indirect clearance that may occur as a result of the development (e.g. dust generation smoothing vegetation, altered hydrology inundating or drying vegetation, impacting on tree root zones (the application of fill) impacting on tree health),
* future stages or associated components of a development (noting, the clearance for future stages of a development does not need to be assessed as part of this application, only discussed to provide the NVC with the full context of the proposed clearance).

See page 9 of the *Guide for clearance applications* for a full list of matters that must be considered and addressed.

* 1. **Address the Mitigation Hierarchy**

*When exercising a power or making a decision under Division 5 of the Native Vegetation Regulations 2017, the NVC must have regard to the mitigation hierarchy. The NVC will also consider, with the aim to minimize, impacts on biological diversity, soil, water and other natural resources, threatened species or ecological communities under the EPBC Act or listed species under the NP&W Act.*

Demonstrate how the clearance proposal addresses the Mitigation Hierarchy (including actions taken to minimize impacts on biological diversity, soil, water and other natural resources, threatened species or ecological communities under the EPBC Act or listed species under the NP&W Act) by addressing a to c below;

See Section 6 of the [Guide for Applications to Clear Native Vegetation](http://www.environment.sa.gov.au/files/sharedassets/public/native_veg/guide-for-applications-to-clear-under-the-act-or-regulations-rep.pdf) for further information on addressing the mitigation hierarchy.

**Sufficient detail must be provided to demonstrate specifically how the applicant has considered alternatives that would avoid and minimize clearance or associated impacts on the matters listed above. It is not acceptable to simply state that they have, without providing supporting detail and relevant evidence.**

* + - 1. ***Avoidance – outline measures taken to avoid clearance of native vegetation***

*e.g. making adjustments to the location, design, size or scale of the activity in order to reduce the scale of the impact.*

* + - 1. ***Minimization – if clearance cannot be avoided, outline measures taken to minimize the extent, duration and intensity of impacts of the clearance on biodiversity to the fullest possible extent (whether the impact is direct, indirect or cumulative).***

*e.g. located the development in area where vegetation is sparser or more degraded or does not contain threatened species, etc.*

* + - 1. ***Rehabilitation or restoration – outline measures taken to rehabilitate ecosystems that have been degraded, and to restore ecosystems that have been degraded, or destroyed by the impact of clearance that cannot be avoided or further minimized, such as allowing for the re-establishment of the vegetation.***

*e.g. if clearance is only temporary, actions take to re-establish the vegetation after clearance has occurred.*

* + - 1. ***Offset – any adverse impact on native vegetation that cannot be avoided or further minimized should be offset by the achievement of a significant environmental benefit that outweighs that impact.***

*The NVC will only consider an offset once avoidance, minimization and restoration have been documented and fulfilled. The* [*SEB Policy*](http://nvcms.sa.gov.au/NVIS/userdefined/edit.aspx?id=%7b0C9BCB0C-3CC4-E711-87E0-005056A31A6A%7d&etc=10015) *explains the biodiversity offsetting principles that must be met.*

* 1. **Principles of Clearance (Schedule 1, *Native Vegetation Act 1991*)**

The Native Vegetation Council will consider Principles 1(b), 1(c) and 1(d) when assigning a level of Risk under Regulation 16 of the Native Vegetation Regulations. The Native Vegetation Council will consider all the Principles of clearance of the Act as relevant, when considering an application referred under the *Planning, Development and Infrastructure Act 2016*.

Data Report not associated with a Development Application or Level 2 Data Report associated with a Development Application.

Data Reports must provide information on and a recommendation (‘Not at variance’, ‘At variance’ or ‘Seriously at variance’) for principles b, c and d. Complete the following table to provide the relevant information for assessment of the Principle, the outcome of the assessment and possible moderating factors that the NVC can take into consideration.

***Noting, consultants can discuss the Moderating factors, but must not change the outcome of the assessment against the principles. This is determination for the NVC only. The Assessment against the principles must be based on the outcomes of the Bushland Assessment, Rangeland Assessment or Scattered tree assessment.***

For information on how to make a full assessment of *variance* against the Principles of Clearance, see the [Guide for Applications to Clear Native Vegetation](http://www.environment.sa.gov.au/files/sharedassets/public/native_veg/guide-for-applications-to-clear-under-the-act-or-regulations-rep.pdf).

|  |  |  |  |
| --- | --- | --- | --- |
| **Principle of clearance** | **Relevant information** | **Assessment against the principles**  | **Moderating factors that may be considered by the NVC** |
| ***Principle 1b - significance as a habitat for wildlife*** | Provide details of the threatened species that were recorded or may use the vegetation.Patches; Threatened Fauna Score Unit biodiversity Score Trees;Fauna Habitat Score Biodiversity Score | Seriously at Variance - List vegetation Associations & trees; At Variance – - List vegetation Associations & trees;  |  |
| ***Principle 1c - plants of a rare, vulnerable or endangered species*** | List threatened species that were recorded for the site or that may be present but undetectable at the time of assessment (e.g. orchids)Threatened Flora Score(s)  | Seriously at Variance - List vegetation Associations & trees; At Variance – - List vegetation Associations & trees;  |  |
| ***Principle 1d - the vegetation******comprises the whole or******part of a plant******community that is Rare,******Vulnerable or******endangered*:** | Identify any threatened communities under the EPBC Act or threatened ecosystems under the DEW Provisional list of threatened ecosystems present?Threatened Community Score  | Seriously at Variance - List vegetation Associations;  |  |

**OR (delete the table that is not relevant)**

Data Report for level 3 or 4 application associated with a Development application

If a data report is in relation to a level 3 or 4 application that will be subject to a development application, then principles a – g need to be address. The NVC will consider the principles in full when receiving a referral for a development application.

For information on how to make a full assessment of *variance* against the Principles of Clearance, see the [Guide for Applications to Clear Native Vegetation](http://www.environment.sa.gov.au/files/sharedassets/public/native_veg/guide-for-applications-to-clear-under-the-act-or-regulations-rep.pdf).

|  |  |
| --- | --- |
| **Principle of clearance** | **Considerations** |
| ***Principle 1a - it comprises a high level of diversity of plant species*** | Relevant information The number of plant species recorded (native and introduced) for each vegetation associationPatches;Bushland Plant Diversity Score -  |
| Assessment against the principles Seriously at Variance - List vegetation Associations At Variance – - List vegetation Associations |
| Moderating factors that may be considered by the NVC |
| ***Principle 1b - significance as a habitat for wildlife*** | Relevant information List of threatened species that were recorded or may use the vegetation.Detail if the vegetation support a high diversity of animal species?Detail if the vegetation provide a corridor for movements between other areas of native vegetation, or a habitat refuge, especially in heavily cleared areas.Patches; Threatened Fauna Score - Unit biodiversity Score - Trees;Fauna Habitat Score - Biodiversity Score - |
| Assessment against the principles Seriously at Variance - List vegetation Associations & trees; At Variance – - List vegetation Associations & trees |
| Moderating factors that may be considered by the NVC |
| ***Principle 1c - plants of a rare, vulnerable or endangered species*** | Relevant information List threatened species that were recorded for the site or that may be present but undetectable at the time of assessment (e.g. orchids)Identify the distribution of species within the area of impactWhat level of impact on the local population of the plant species?Number of plants likely to be impacted in the clearance areaThreatened Flora Score(s) - |
| Assessment against the principles Seriously at Variance - List vegetation Associations & trees; At Variance – - List vegetation Associations & trees;  |
| Moderating factors that may be considered by the NVC |
| ***Principle 1d - the vegetation******comprises the whole or******part of a plant******community that is Rare,******Vulnerable or******endangered*:** | Relevant information Identify any threatened communities under the EPBC Act or threatened ecosystems under the DEW Provisional list of threatened ecosystems present?Threatened Community Score -  |
| Assessment against the principles Seriously at Variance - List vegetation Associations  |
| Moderating factors that may be considered by the NVC |
| ***Principle 1e - it is significant as a remnant of vegetation in an area which has been extensively cleared.*** | Relevant information Provide remnancy figures for IBRA Association and IBRA SubregionDiscuss the health and likely longevity of remnants.Total Biodiversity Score -  |
| Assessment against the principles Seriously at Variance At Variance  |
| Moderating factors that may be considered by the NVC |
| ***Principle 1f - it is growing in, or in association with, a wetland environment.*** | Relevant information Discuss if any of the vegetation is associated with a wetland  |
| Assessment against the principles Seriously at Variance - List vegetation associations & trees; At Variance – - List vegetation Associations & trees; |
| Moderating factors that may be considered by the NVC |
| ***Principle 1g - it contributes significantly to the amenity of the area in which it is growing or is situated.*** | Relevant information Detail the location of trees or vegetation relative to sites frequented by the public (e.g. roads, towns, lookout, etc.)Provide details of cultural or historical values Discuss possible effect on landscape character |
| N/A |
| Moderating factors that may be considered by the NVC |

[*Principles of Clearance*](https://www.legislation.sa.gov.au/LZ/C/A/NATIVE%20VEGETATION%20ACT%201991/CURRENT/1991.16.UN.PDF) *(h-m) will be considered by comments provided by the local NRM Board or relevant Minister. The Data Report should contain information on these principles where relevant and where sufficient information or expertise is available.*

* 1. **Risk Assessment**

***Determine the level of risk associated with the application***

|  |  |  |
| --- | --- | --- |
| **Total clearance**  | No. of trees |  |
| Area (ha) |  |
| Total biodiversity Score |  |
| **Seriously at variance with principle 1(b), 1(c) or 1 (d)** | List the principles is seriously at variance with.  |
| **Risk assessment outcome** | Level 2 - 4 |

Identify the level of risk of the application in accordance with Table 1 of the Guide for Applications to Clear Native Vegetation. This must include considerations of the following.

* Patch size or number of trees proposed to be cleared or the Total Biodiversity Score is in relation to **all** the vegetation (both tree and patches) that are the subject of the application\*.
* If level 2 or 3 clearance, considering Principles of Clearance b, c or d. If the application consists of multiple trees and/or patches of vegetation, if any are seriously at variance, then the application as a whole will be escalated to the next level.

\*Note; the level of risk must also consider any previous application for clearance that is directly associated with this application. See page 15 of the Guide for details regarding what constitutes an associated application.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Agricultural** (EP, GA, H&F, KI, LC, M&R and N&Y Landscape Management Regions plus Port Augusta city Council and the Flinders Ranges Council).  | **Pastoral** (SAAL and AW Landscape Management Regions excluding Port Augusta city Council and the Flinders Ranges Council). | **Escalating matters** Clearance assessment will be raised to the next level if;  |
|  | **Patches - clearance** | **Trees - clearance** | **Patches - clearance** | **Trees - clearance** |
| **Level 1** | **0.05ha** or less  | **5 trees** or less  | **3ha** or less  | **5 trees** or less  | The site contains a listed species or contains a threatened community under either the NP&W Act or EPBC ActOr Clearance of any trees of the specified circumference. |
| And clearance does not involves **any** trees with a trunk circumference measured at 1m above the ground of (for multi stemmed trees, measure the largest trunk/stem):* + - * 50cm or more for Agricultural zone, or
			* 30cm of more for the Pastoral zone,
 |
| **Level 2** | **>0.05 ha to 0.5ha**  | **6 - 20 trees**  | **>3ha to 10 ha**  | **6 - 20 trees**  | Clearance is seriously at variance with Principle of Clearance 1(b), 1(c) or 1(d). |
| **Level 3** | Total Biodiversity Score of less than or equal to **250** | Total Biodiversity Score of less than or equal to **2500**. | Clearance is seriously at variance with Principle of Clearance 1(b), 1(c) or 1(d). |
| **Level 4** | Total Biodiversity Score of greater than **250** | Total Biodiversity Score of greater than **2500** |  |

* 1. **NVC Guidelines**

***Provide any other information that demonstrates that the clearance complies with any relevant NVC guidelines related to the activity.***

If applicable

# 5. Clearance summary

**Clearance Area(s) Summary table**

Insert table from the Summary Clearance Table for ***patches*** of vegetation assessed using the Bushland or Rangeland Assessment Method.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Block**  | **Site** | **Species diversity score** | **Threatened Ecological community Score** | **Threatened plant score** | **Threatened fauna score** | **UBS** | **Area (ha)** | **Total Biodiversity score** | **Loss factor** | **Loadings** | **Reductions** | **SEB Points required** | **SEB payment** | **Admin Fee** |
|   |   |   |   |   |   |   |   |  |   |   |   |  |  |  |
|   |   |   |   |   |   |   |   |  |   |   |   |  |  |  |
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|   |   |   |   |   |   |   |   |  |   |   |   |  |  |  |
|   |   |   |   |   |   | **Total** | **0** | **0** |   | **0.00** | **$0.00** | **$0.00** |

**Scattered trees Summary table**

Insert table from the Summary Clearance Table for ***scattered trees*** assessed using the Scattered Tree Assessment Method

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tree or Cluster ID** | **Number of trees** | **Fauna Habitat score** | **Threatened flora score** | **Biodiversity score** | **Loss factor** | **SEB Points required** | **SEB Payment** | **Admin Fee** |
|   |   |   |   |   |   |   |   |   |
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| **Total** | **0** |  |  | **0** |   | **0.00** | **$0.00** | **$0.00** |

**Totals summary table**

*Insert table containing totals from Summary Clearance Table as well as Economies of scale and rainfall.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|   | **Total Biodiversity score** | **Total SEB points required** | **SEB Payment** | **Admin Fee** | **Total Payment** |
| **Application** | 0 | 0 | $0.00 | $0.00 | $0.00 |

|  |  |
| --- | --- |
| **Economies of Scale Factor** |   |
| **Rainfall (mm)**  |   |

# 6. Significant Environmental Benefit

A Significant Environmental Benefit (SEB) is required for approval to clear under Division 5 of the *Native Vegetation Regulations 2017*. The NVC must be satisfied that as a result of the loss of vegetation from the clearance that an SEB will result in a positive impact on the environment that is over and above the negative impact of the clearance.

The Data Report must propose how the SEB will be achieved in accordance with the SEB Policy and Guide, by providing the following information.

**ACHIEVING AN SEB**

Indicate how the SEB will be achieved by ticking the appropriate box and providing the associated information:

[ ]  Establish a new SEB Area on land owned by the proponent. Provide information below.

[ ]  Use SEB Credit that the proponent has established. Provide the SEB Credit Ref. No. \_\_\_\_\_\_\_\_\_\_\_

[ ]  Apply to have SEB Credit assigned from another person or body. The [application form](http://www.environment.sa.gov.au/managing-natural-resources/native-vegetation/offsetting/third-party-credit-seb) needs to be submitted with this Data Report.

[ ]  Apply to have an SEB to be delivered by a Third Party. The [application form](http://www.environment.sa.gov.au/managing-natural-resources/native-vegetation/offsetting/third-party-credit-seb) needs to be submitted with this Data Report.

[ ]  Pay into the Native Vegetation Fund. Provide details below

**PAYMENT SEB**

If a proponent proposes to achieve the SEB by paying into the Native Vegetation Fund, summary information must be provided on the amount required to be paid and the manner of payment:

* Payment amount required (including admin. fee)
* If the proponent wishes to make the payment in stages, details of those stages, including clear dates or milestones in which payments will be made. Noting, for staged payments, payments must be received prior to clearance occurring, therefore staged payments are only suitable for projects where the clearance will occur in a staged manner.

**ON-GROUND SEB**

If a proponent proposes to achieve the SEB on-ground, the following information must be provided:

|  |  |
| --- | --- |
| Ownership: |  |
| Site Address: |  |
| Local Government Area: |  | Hundred: |  |
| Title ID:  | CTCRCL | Parcel ID | SecDP A/QFP A/Q |

**General description of the vegetation, the site and matters of significance**

Provide a general description of the site including the following;

* Landform, geography and soils
* Landform features of significance (rivers, creeks, rocky outcrops, etc.)
* General overview of the vegetation under application as a whole (e.g. contains x number of vegetation associations)
* General description of the vegetation relating to type and condition (i.e. is the vegetation relatively homogeneous, or there significant variation)
* Provide a description of the landscape context for the vegetation (e.g. isolated patch of vegetation in cropping landscape) and proximity to protected areas (Conservation Parks, Heritage Agreements, etc.)

**Information relating to the relevant land**

Include current and past land use, encumbrances (e.g. mining leases. Heritage Agreement, easements, other contractual arrangements) and other matters that may impact on the management of the area (e.g. bushfire management zones).

**General location map**

Provide representative maps displayed at multiple scales including;

* Site map(s) (recommended scale 1:10 000 or lower) showing the boundary of the area of impact. The map(s) should include the location of individual scattered trees (if applicable) and patches of vegetation proposed to be cleared
* Location map (recommended scale 1:50 000 or higher) showing landscape features, site boundary and any other relevant details, such as local government boundaries and township locations, appropriate at this scale

**Description of the vegetation**

|  |  |
| --- | --- |
| Vegetation Association | (e.g. Vegetation Association 1; Eucalyptus odorata open woodland). |
| Representative photo* Provide direction and location of the photo(s)
* additional photos must be provided for the larger sites or sites with higher levels of heterogeneity
 |
| General description | e.g. dominant species, condition and observations of disturbance |
| Threatened species or community | Provide details of any threatened flora or fauna under the NP&W Act or EPBC Act listed species or community |
| Landscape context score |  | Vegetation Condition Score |  | Conservation significance score |  |
| Gain Score |  | Area (ha) |  | SEB Points of Gain |  |

**Site map showing areas of the proposed SEB**

The site map must***clearly delineate******each vegetation association***this must be able to be cross referenced with the descriptions provided above.

**Photo log**

Provide a series of photos of the area of the proposed SEB with location and direction of the photo recorded, marked on a map.

**Fauna and Flora assessment**

Provide the Database search (BDBSA, EPBC, AoLA) results plus direct observations, or incidental records of or suitable habitat for NP&W Act listed species or EPBC Act listed species. If present, the location of these matters must be identified on a map.

Discuss the suitability of the habitat and likelihood of the presences of the threatened species that were identified from the search of the databases or field observations.

For proposed SEB site that provide greater than 250 SEB points, provide the detail of suitability of habitat

Species observed on site, or recorded within 5km (50km in the arid zone) of the application area since 1995, or the vegetation is considered to provide suitable habitat.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Species (common name) | NP&W Act | EPBC Act | Data source | Date of last record  | Species known habitat preferences | Likelihood of use for habitat – Comments |
| *Leipoa ocellata* (Malleefowl) | V | VU | 3 | 2020 | Mallee vegetation with a thick layer of leaf litter | Known – an active nest was observed during the field assessment.  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Source; 1- BDBSA, 2 - AoLA, 3 – NatueMaps 4 – Observed/recorded in the field, 5 - Protected matters search tool, 6 – others NP&W Act; E= Endangered, V = Vulnerable, R= RareEPBC Act; Ex = Extinct, CR = Critically endangered, EN = Endangered; VU = Vulnerable |

Criteria for the likelihood of occurrence of species within the Study area.

|  |  |
| --- | --- |
| **Likelihood**  | **Criteria**  |
| Highly Likely/Known  | Recorded in the last 10 years, the species does not have highly specific niche requirements, the habitat is present and falls within the known range of the species distribution or; The species was recorded as part of field surveys.  |
| Likely  | Recorded within the previous 20 years, the area falls within the known distribution of the species and the area provides habitat or feeding resources for the species.  |
| Possible  | Recorded within the previous 20 years, the area falls inside the known distribution of the species, but the area provide limited habitat or feeding resources for the species. Recorded within 20 -40 years, survey effort is considered adequate, habitat and feeding resources present, and species of similar habitat needs have been recorded in the area.  |
| Unlikely  | Recorded within the previous 20 years, but the area provide no habitat or feeding resources for the species, including perching, roosting or nesting opportunities, corridor for movement or shelter. Recorded within 20 -40 years; however, suitable habitat does not occur, and species of similar habitat requirements have not been recorded in the area. No records despite adequate survey effort.  |

**Environmental Benefits**

Detail the key environmental outcomes and associated benefits that are expected to be provided as a result of the establishment and management of the SEB area (improved vegetation condition, protecting habitat of threatened species, establishing a population of threatened flora species, etc.).

The NVC will consider this information in association with the SEB Management Plan, when determining if the proposed SEB outweighs the value of retaining the vegetation proposed to be cleared.

**Summary Table**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Block** | **Site** | **Vegetation Association** | **UBS** | **Gain Score** | **Area (ha)** | **SEB Point of Gain** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **Total** |  |  |

**SEB Management Plan**

The Management Plan for the proposed SEB area is attached in the appendices.

A Native Vegetation Management Plan is required as part of the Conditions of Consent for clearance.

The Management Plan should be provided at the time of submitting the application to clear vegetation, however it can be lodged during the assessment process if required, but must be received before a decision can be made by the Native Vegetation Council in relation to the associated clearance. The Management Plan template is found under [Tools for Accredited Consultants](http://www.environment.sa.gov.au/managing-natural-resources/native-vegetation/accredited-consultants).

# 7. Appendices

Appendix 1. Fauna Species List (where applicable)

Appendix 2. Bushland, Rangeland or Scattered Tree Vegetation Assessment Scoresheets associated with the proposed clearance and SEB Area (to be submitted in Excel format)

Appendix 3. Flora Species List

Appendix 4. SEB Management Plan

Appendix 5. Copies of associated approvals