<insert name> Trail/Network

Appendix 4B: Impact Evaluation Checklist

Note—Applications to carry out disturbance activities on Department of Biodiversity, Conservation and Attractions (DBCA)-managed land and waters can be applied for online via the [**Disturbance Approval System**](https://das.dbca.wa.gov.au/?next=%2Fexternal%2F) (DAS). The DAS replaces the Impact Evaluation Checklist and streamlines the assessment and approval process for DBCA managed lands and waters, ensuring consistent evaluation and appropriate conditions are applied. For enquiries contact das@dbca.wa.gov.au.

|  |
| --- |
| A – Land Details |
| Land Manager  |  |
| Local Government Authority |  |
| Private property/Reserve Name and Location |
|  |
| Tenure and Primary Management Objective of Lands |
|  |

|  |
| --- |
| B – Proposed Project |
| Purpose |
|  |
| Type & Extent of Proposed Project |
|  |
| Alternative Options Considered |
|  |
| Implications of Postponement or ‘Do Nothing’ Option |
|  |

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| --- |
| C – Impact Evaluation |
| Indicate with Y/N in **Acceptable** column if proposed work is acceptable or not with respect to the environmental/management issue listed. If it’s not acceptable, consider acceptability of modified proposal in **Modified** column or the **Do Nothing** column. The Comments column is for detailing action/s required to overcome/minimise adverse impact, or if no information is available to allow a decision. |
| Issues | Acceptable | Modified | Do Nothing | CommentsIndicate action required to overcome/minimise adverse impact, or if no information is available to allow a decision. |
| 1. **Management Considerations**
 |
| 1.1 Does the proposal area have a management plan or strategy? |  |  |  |  |
| 1.2 Does the proposal conflict with an existing policy or management plan? |  |  |  |  |
| 1.3 How will the proposal affect neighbouring land holders, non-commercial stakeholders and community interests? Have these stakeholders been notified, advised or consulted regarding the proposal? |  |  |  |  |
| 1.4 Is the proposal compatible with the purpose of the land tenure? Is any part of the area subject to a planned tenure change? |  |  |  |  |
| 1.5 How will the proposal affect land management considerations e.g.: |  |  |  |  |
| * Fire management
 |  |  |  |  |
| * Roads (e.g. temporary/permanent access restrictions, transfer of road management responsibilities)
 |  |  |  |  |
| * Tracks/trails (e.g. temporary/permanent access restrictions)
 |  |  |  |  |
| * Other recreation or tourism
 |  |  |  |  |
| 1.6 How will the proposal affect or be affected by existing or planned land use e.g.: |  |  |  |  |
| * Mining and exploration
 |  |  |  |  |
| * Basic Raw Material (gravel, rock and borrow pits)
 |  |  |  |  |
| * Forestry
 |  |  |  |  |
| * Utility lines
 |  |  |  |  |
| * Water catchment/public drinking water source areas (PDSWA), groundwater resources
 |  |  |  |  |
| * Commercial activities (e.g. apiarist)
 |  |  |  |  |
| 1.7 How will the proposal affect or be affected by neighbouring land use? |  |  |  |  |
| 1.8 Does the proposal have a level of pre-approval? |  |  |  |  |
| 1.9 Is the proposal subject to approvals under other State processes (i.e. other than DBCA processes)? |  |  |  |  |
| 1.10 Are there any research plots, scientific study areas and reference sites in the proposed area? |  |  |  |  |
| 1.11 Is the proposal area or activity subject to a joint management or formal agreement (other than Native Title Determination Area and ILUAs)? |  |  |  |  |
| 1.12 Do any Matters of National Environmental Significance (MNES) exist in or adjacent to the proposed disturbance area? |  |  |  |  |
| 1.13 Is it likely the proposal will create any significant dust, noise or air quality impacts? |  |  |  |  |
| 1.14 Does the proposal area contain a contaminated site or does the proponent suspect the site could be contaminated? |  |  |  |  |
| 1.15 Does the proposal occur in a known Unexploded Ordnance (UXO) area? |  |  |  |  |
| 1. **Plant Disease, Ferals, and Weeds**
 |
| 2.1 Does the proposal area display evidence of flora/ecosystem diseases? (e.g. Dieback, *Armillaria*, cankers) |  |  |  |  |
| 2.2 Will area require pest management? (e.g. Baiting buffers, pesticides) |  |  |  |  |
| 2.3 Does the proposal area contain declared, prohibited or moderate/high rated environmental weeds? |  |  |  |  |
| 1. **Flora, Fauna and Ecosystems**
 |
| 3.1 What are the dominant vegetation types and species within the proposal area? |  |  |  |  |
| 3.2 Does the proposal area occur within a Disturbance Avoidance Zone (DAZ), and/or contain any Threatened and Priority Flora, regionally or other significant flora, threatened or priority ecological communities, unusual or poorly reserved vegetation complexes or environmentally sensitive areas (ESAs)? |  |  |  |  |
| 3.3 Does the proposal area contain any threatened and priority fauna, regionally or other significant fauna, translocation programs, release sites or restricted habitats? |  |  |  |  |
| 3.4 Does the proposal area contain diverse ecotype zones? (e.g. Rivers, streams, swamps, lakes, mapped wetland values, gorges, rock outcrops) |  |  |  |  |
| 3.5 Does the proposal occur within a Forest Management Plan (FMP) area? |  |  |  |  |
| 3.6 Are there any registered significant trees within the proposal area? |  |  |  |  |
| 3.7 Does the proposal require rehabilitation, restoration or revegetation of degraded/damaged areas? |  |  |  |  |
| 3.8 Does the proposal seek to remove non-wood (bees-wax, honey, or seeds) forest produce from the site? Will the activity require salvage harvesting following unplanned disturbances? |  |  |  |  |
| 1. **Cultural Heritage**
 |
|  4.1 Does the proposal area contain any registered Aboriginal sites, Aboriginal cultural heritage ‘protected areas’ or cultural sensitivities? |  |  |  |  |
| 4.2 Is the proposal within a Native Title Determination Area and/or Indigenous Land Use Agreement (ILUA) that DBCA is signatory to? Has DAA or the Aboriginal Land and Sea Council been advised? Have Working Party members been consulted?  |  |  |  |  |
| 4.3 Does the area adjoin or contain any places on the following lists:  |  |  |  |  |
| * Register of the National Estate
 |  |  |  |  |
| * Register of Heritage Places
 |  |  |  |  |
| * Municipal inventory for the local council
 |  |  |  |  |
| * Land manager heritage database
 |  |  |  |  |
| 1. **Recreation and Access**
 |
| 5.1 How will the area be accessed?  |  |  |  |  |
| 5.2 Is there a potential conflict with existing recreation use (e.g. DBCA Parks and Wildlife lease), public utilities, events and/or commercial tour operators? |  |  |  |  |
| 5.3 How will visitor safety be managed? Is there potential for unknown persons/visitors/transients to be in the proposal area during the operational period? |  |  |  |  |
| 5.4 Will the proposal potentially impact on important scenic areas such as landscapes, features or wilderness appreciation? |  |  |  |  |
| 5.5 Is the proposal expected to result in an increased demand for facilities and service? (e.g. Rubbish disposal, toilets) |  |  |  |  |
| 1. **Geology, Landform and Soils**
 |
| 6.1 Does the proposal area contain sensitive features such as caves, fossils, or dunes?  |  |  |  |  |
| 6.2 Is the proposal likely to impact soil erosion (water or wind)?  |  |  |  |  |
| 6.3 Is the proposal likely to affect soil mixing or soil compaction, soil removal/scalping or deposition?  |  |  |  |  |
| 6.4 Is the soil type compatible with the proposed project? (e.g. Existing unstable or fragile areas) |  |  |  |  |
| 6.5 Does the proposal site contain high to moderate risk Acid Sulfate Soil areas? |  |  |  |  |
| 6.6 Will the proposal potentially impact landscape or geological features, or wilderness areas with special value? |  |  |  |  |
| 1. **Hydrology**
 |
| 7.1 Is the proposal likely to affect streams or impoundment sedimentation?  |  |  |  |  |
| 7.2 Is the proposal likely to cause altered run-off, chemical impacts (e.g. pesticides/herbicides), impeded drainage or water logging?  |  |  |  |  |
| 1. **Monitoring**
 |
| 8.1 How and when will the effects of the proposed operation be monitored? |  |  |  |  |
| 8.2 Who is responsible for completing the monitoring? |  |  |  |  |
| 8.3 Have resources been made available for monitoring? |  |  |  |  |
| 8.4 Who will be provided with the monitoring results, and what is expected to happen with the results? |  |  |  |  |

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| --- |
| D – Level of Approval Required  |
|  |

|  |
| --- |
| E – Proponent/s |
| Signature |  | Date |  |
| Name/Position |  |
| Signature |  | Date |  |
| Name/Position |  |

|  |
| --- |
| F – Endorsements/Approvals |
| Comments |  |
| Signature |  | Date |  |
| Name/Position |  |
| APPROVED / NOT APPROVED Date |

# Explanatory Notes

|  |  |
| --- | --- |
| Item | Comment |
| Section A – Land Details |
| Land Manager: | Identify who the land manager is. |
| LGA: | Identify the Local Government Authority in which the Park/Reserve is located. This will be important in determining whom to contact regarding “Municipal Inventory” information if not the same as the land manager.  |
| Park / Reserve Name and Location: | Identify the gazetted name of the Park/Reserve and any additional information regarding the locality or block name that may be relevant and provide a map with the checklist.Identify the project area boundary. |
| Primary Management Objective of the Park / Reserve: | Clearly identify the primary management objective of the Park/Reserve and include the identification of any proposed zoning classification that is applied to the Park/Reserve. |
| Section B – Proposed Works |
| Purpose: | Provide a clear description of the purpose of the work proposed for evaluation.The proposed project must be broken down into its component parts, and the location and extent of each of these parts quantified in detail. The proposed location of the project should be mapped at a scale that enables it to be effectively assessed. |
| Alternative Options Considered: | Briefly outline the other options that were considered and provide a short justification as to why they were not preferred. |
| Implications of postponement or ‘Do Nothing’ option: | Briefly outline the implications of delaying the completion of the proposed work or of doing nothing.  |
| Section C – Impact Evaluation (For DBCA managed lands and waters, see note on page one regarding use of the Disturbance Approval System (DAS)) |
| **Management Considerations** |
| 1.1 Does the area have a management plan strategy or master plan?  | Outline the management documents available for the area.  |
| 1.2 Does the proposal align with an existing policy or management plan? | Describe how the proposed project aligns with any existing management documents.  |
| 1.3 How will the proposal affect neighbouring land holders, non-commercial stakeholders and community interests? Have these stakeholders been notified, advised or consulted regarding the proposal? | Will the proposed project affect neighbouring land holders? Is the proposal likely to adversely affect local community interests? How will this be managed?  |
| 1.4 Is the proposal compatible with the purpose of the land tenure? Is any part of the area subject to a planned tenure change? | Identify whether proposal is compatible with purpose of current or planned land tenure. If yes, justify how the proposal and purpose of the land are compatible. If no, justify the reason for the proposal and specify management actions or consider deferring proposal until the appropriate change to the tenure can be made. |
| 1.5 How will the proposal affect land management considerations e.g.: |  |
| * Fire management
 | Consider how the proposed project may affect prescribed burning activities or bush fire management (additional firebreaks, recreation site protection during prescribed burning, review prescribed burn plan etc). |
| * Roads (e.g. temporary/permanent access restrictions, transfer of road management responsibilities)
 | Review the proposed project against strategic roads (existing and future) for potential changes required or conflicts. |
| * Tracks/trails (e.g. temporary/permanent access restrictions)
 | Review the proposed project against strategic tracks/trails (existing and future) for potential changes required or conflicts. |
| * Other recreation or tourism
 | Review the proposed project against existing recreation and tourism activities in the area for conflicts and opportunities (e.g. shared facilities). |
| 1.6 How will the proposal affect or be affected by existing or planned land use e.g.: |  |
| * Mining and exploration
 | Identify whether there are any mining operations that are likely to impact on the Park/Reserve in the future.  |
| * Basic Raw Material (BRM) e.g. gravel, rock and borrow pits
 | Identify the quantities of BRM required. Where will this be obtained from and any ongoing commitments from the Park/Reserve. How will BRM extraction areas be rehabilitated? |
| * Forestry
 | Identify whether the area is leased to any forestry organisations or companies. How will consultation with forestry organisation/companies be undertaken? How will the proposed project be managed around harvesting operations?  |
| * Utility lines
 | Identify any public utilities within the proposed project areas and whether these will be affected by the project. |
| * Water catchment/public drinking water source areas (PDSWA), groundwater resources
 | Identify whether the proposed project is within water catchment or PDWSA. Does the proposal conform to any existing or proposed management plans or policy? e.g. Operational policy 13 – Recreation within Public Drinking Water Source Areas on Crown land. |
| * Commercial activities (e.g. apiarist)
 | Identify if the proposed project may affect any approved commercial activity on the Park/Reserve. |
| 1.7 How will the proposal affect or be affected by neighbouring land use? | Identify neighbouring land use that is likely to affect the proposal, or where the proposed project is likely to affect the neighbouring land use. |
| 1.8 Does the proposal have a level of pre-approval? | Identify any pre-approvals required for proposal. |
| 1.9 Is the proposal subject to approvals under other State processes (i.e. other than DBCA processes)? | Identify non-DBCA processes and/or approvals required for proposal. |
| 1.10 Are there any research plots, scientific study areas and reference sites in the proposed area? | Identify whether there are any research plots, scientific study or reference sites that may be affected by the proposed project.  |
| 1.11 Is the proposal area or activity subject to a joint management or formal agreement (other than Native Title Determination Area and ILUAs)? | Identify potential described joint management or formal agreements that may affect the proposal. |
| 1.12 Do any Matters of National Environmental Significance (MNES) exist in or adjacent to the proposed disturbance area? | Identify potential MNES within or adjacent to proposed disturbance area. |
| 1.13 Is it likely the proposal will create any significant dust, noise or air quality impacts? | Identify potential dust, noise or air quality impacts caused by proposal. |
| 1.14 Does the proposal area contain a contaminated site or does the proponent suspect the site could be contaminated? | Identify/rule out potential contamination within proposal area. |
| 1.15 Does the proposal occur in a known Unexploded Ordnance (UXO) area? | Identify if proposal is situated within UXO area. |
| 1. **Plant Disease, Ferals and Pests, Weeds**
 |
| 2.1 Does the proposal area display evidence of flora/ecosystem diseases? (e.g. Dieback, *Armillaria*, cankers) | If no dieback report is available for the area, complete a survey and develop a hygiene management plan.Identify the presence of Armillaria and provide proposed operational strategies to manage this. Identify whether the native vegetation in the area exhibits symptoms of cankers.If other diseases are observed, develop respective management plans/operational strategies. |
| 2.2 Will area require pest management? e.g. baiting buffers, pesticides | Identify whether the area will require Pest management strategies. |
| 2.3 Does the proposal area contain declared, prohibited or moderate/high rated environmental weeds? | Are there known infestations of weeds in the Park/Reserve? Identify if the proposed project may cause introduction or spread of weeds. What will be the management costs?  |
| 1. **Flora, Fauna and Ecosystems**
 |
| 3.1 What are the dominant vegetation types and species within the proposal area? | Identify dominant vegetation type and species. |
|  3.2 Does the proposal area occur within a Disturbance Avoidance Zone (DAZ), and/or contain any threatened and priority flora, regionally or other significant flora, threatened or priority ecological communities, unusual or poorly reserved vegetation complexes or environmentally sensitive areas (ESAs)? | State the presence of DAZ, threatened and priority flora, threatened or priority ecological community on the Park/Reserve.  |
|  3.3 Does the proposal area contain any threatened and priority fauna, regionally or other significant fauna, translocation programs, release sites or restricted habitats? | State the presence of threatened and priority fauna in the Park/Reserve. Comment on any translocation programs, release sites or restricted habitats if identified.  |
| 3.4 Does the proposal area contain diverse Ecotype Zones? (e.g. Rivers, streams, swamps, lakes, mapped wetland values, gorges, rock outcrops)  | Comment on any existing diverse ecotype zones. |
| 3.5 Does the proposal occur within a Forest Management Plan (FMP) area? | Identify whether proposal lies within FMP area. |
| 3.6 Are there any registered significant trees within the proposal area? | Identify if any registered significant trees lie within proposal area. |
| 3.7 Does the proposal require rehabilitation, restoration or revegetation of degraded/damaged areas? | Identify if rehabilitation works will be required for proposal and plan accordingly. |
| 3.8 Does the proposal seek to remove non-wood (bees-wax, honey, or seeds) forest produce from the site? Will the activity require salvage harvesting following unplanned disturbances? | Identify if non-wood forest produce will be removed, or salvage harvesting requirements for the proposal. |
| 1. **Cultural Heritage**
 |
| 4.1 Does the proposal area contain any registered Aboriginal sites, Aboriginal cultural heritage ‘protected areas’ or cultural sensitivities? | Report on known Aboriginal Sites, protected areas or cultural sensitivities located within the proposed project area. Are further surveys or consultations required? |
| 4.2 Is the proposal within a Native Title Determination Area and/or Indigenous Land Use Agreement (ILUA) that DBCA is signatory to? Has DAA or the Aboriginal Land and Sea Council been advised? Have Working Party members been consulted?  | State whether DAA, or the appropriate ALSC has been advised and what the outcome of this is. State when advice or consultation with the Working Party members will occur. |
| 4.3 Does the area adjoin or contain any places on the following lists:  |  |
| * Register of the National Estate
 | Check the register and report on any sites that are within or adjoining the proposed project area. Comment on whether the proposed project will impact on any sites.  |
| * WA Register of Heritage Places
 | Check the register and report on any sites that are within or adjoining the proposed project area. Comment on whether the proposed project will impact on any sites. |
| * Municipal inventory for the local council
 | Check the inventory and report on any sites that are within or adjoining the proposed project area. Comment on whether the proposed project will impact on any sites. |
| * Land manager heritage database
 | The land manager may have a database that lists identified cultural heritage places for the proposed project area. |
| 1. **Recreation and Access**
 |
| 5.1 How will the area be accessed?  | Identify access routes and entry/egress areas for the proposed project area and activity. Identify any existing access that requires closure or management. Differentiate between access for the public and access for maintenance.  |
| 5.2 Is there a potential conflict with existing recreation use (e.g. DBCA Parks and Wildlife lease), public utilities, events and/or commercial tour operators? | Identify any existing recreation, events and/or commercial tour operators within the proposed project area. Will the proposed project conflict with this? How will any potential conflict be managed?  |
| 5.3 How will visitor safety be managed? Is there potential for unknown persons/visitors/transients to be in the proposal area during the operational period? | Assess potential visitor risks and identify how visitor safety will be managed.  |
| 5.4 Will the proposal potentially impact on important scenic areas such as landscapes, features or wilderness appreciation? | Identify whether the proposed project will impact on important scenic areas, and how this can be managed through any future planning and/or construction works. |
| 5.5 Is the proposal expected to result in an increased demand for facilities and service? (e.g. Rubbish disposal, toilets) | How will increased usage be managed? (e.g. Roading or trail wear/tear, rubbish removal, toilet maintenance, vandalism) |
| 1. **Geology, Landform and Soils**
 |
| 6.1 Does the proposal area contain sensitive features such as caves, fossils, or dunes?  | Assess and identify areas that are sensitive to disturbance and may be affected by the proposed project now or in the future.  |
| 6.2 Is the proposal likely to impact soil erosion (water or wind)?  | Assess and identify appropriate trail design and construction techniques and standards to minimise soil erosion. |
| 6.3 Is the proposal likely to affect soil mixing or soil compaction, soil removal/scalping or deposition?  | Assess and identify appropriate trail design, construction techniques and standards to minimise soil profile damage.  |
| 6.4 Is the soil type compatible with the proposed project? (e.g. Existing unstable or fragile areas) | Is the soil type compatible with the proposed project? What management strategies will be in place? (e.g. Surfacing, armouring) |
| 6.5 Does the proposal site contain high to moderate risk Acid Sulfate Soil areas? | Identify any high to moderate risk Acid Sulfate Soil areas within the proposal site. |
| 6.6 Will the proposal potentially impact landscape or geological features, or wilderness area with special value? | Identify any landscape or geological features, or wilderness areas that may be impacted by proposal. |
| 1. **Hydrology**
 |
| 7.1 Is the proposal likely to affect streams or impoundment sedimentation? | Identify whether the proposed project is likely to affect water quality in the rivers and streams or where there is the potential to affect a catchment. This may include major dams, or dams used by neighbouring land holders.  |
| 7.2 Is the proposal likely to cause altered run-off, chemical impacts (e.g. pesticides/herbicides), impeded drainage or water logging? | Assess and identify areas that may be affected by a changed water flow regime.  |
| 1. **Monitoring**
 |
| 8.1 How and when will the effects of the proposed project be monitored? | Provide a task list for monitoring the proposed project.  |
| 8.2 Who is responsible for completing the monitoring? | Detail the person or organisation responsible for the monitoring of the proposed project.  |
| 8.3 Have resources been made available for monitoring? | Detail the commitment and resources that have been made available for the life of the monitoring period.  |
| 8.4 Who will be provided with the monitoring results, and what is expected to happen with the results? | Identify who will receive the reports and what is expected to happen as a result of monitoring. This may include review of procedures, cessation of the project, rehabilitation etc.  |
| Section D – Level of Approval Required |
| The person who prepared the Impact Evaluation should seek guidance from the land manager regarding level of approval required. |
| Section E - Proposer |
| The person who prepared the Impact Evaluation should sign the document. |
| Section F – Endorsement/Approval |
| The “Impact Evaluation Checklist” should signed by the land manager at the appropriate approval level (Section D above).  |