

THE EIA CHECKLIST

PART 1 – GENERAL QUALITY OF DOCUMENTS

Ensure that the following standard elements are present in all documentation (including appendices):

A clear and concise title that outlines basic information about the proposal and purpose of the document.

A clear and concise title that outlines basic information about the proposal and purpose of the document is on the front cover.

Date and document revision number.

The date and document revision number are inside the front cover.

Information identifying the document's author and publishing entity.

The entity that prepared the document and the person authorising its release are inside the front cover.

All issues identified in a scoping guideline or scoping document have been addressed and covered in the report.

A document covering all the requirements contained within the ESD and where they have been addressed in the draft PER is attached.

Complete and correct tables of contents, maps, tables and figures.

A complete and correct table of contents, a list of figures (which includes maps) and tables and a list of the Appendices is on pages 18-23.

Suitably-sized scale maps placing the proposal into both a regional and local context.

The maps placing the proposal into the regional and local context are Figures 1.1-1.3.

Figures, plates, maps, technical drawings or similar including scale bar, legend, informative caption, labels identifying important or relevant locations/features referred to in the document text.

All figures (including maps and technical drawings) and tables referred to in the document text are included in the document as listed in the List of Figures and the List of Tables and all have where appropriate a scale bar, legend informative caption and/or labels identifying key matters.

All survey site locations and derived data products (e.g. benthic habitat maps, vegetation maps) have been provided in map and appropriate GIS-based electronic database forms.

Suitable electronic data is provided.

All survey data from terrestrial biological surveys have been provided in electronic database form (Access/Excel).

Suitable electronic data is provided.

Proposed infrastructure is shown on scale maps and associated spatial data and are provided in an appropriate GIS-based electronic database form.

Suitable electronic data is provided.

A list of references that have been cross-checked to ensure that all references in the Reference list are cited in the text (and vice versa).

References are provided in Section 17 and they have been cross checked against the text.

All information based on 'expert' opinion/judgement are explicitly attributed, by name and qualification, to a person/s or organisation.

All information based upon 'expert' opinion/judgement has been referenced.

Where relevant, appendices are attached to the main EIA document that describe the details of technical work undertaken to underpin the content of the main document, and explicitly attributed by name to the author/s and (if applicable) their organisation.

All appendices are appropriately attributed.

Description(s) of the proposal are internally consistent throughout all documentation and are couched to allow potential environmental impacts to be placed in local and regional contexts, including cumulative impacts of existing and approved developments.

Descriptions of the proposal are internally consistent throughout all documentation and are couched to allow potential environmental impacts to be placed in local and regional contexts. There are no other developments in the area (existing or approved) sufficiently proximate to require an assessment of cumulative impacts.

Descriptions of the local and regional environmental features most likely to be directly or indirectly affected by the proposal.

The following features likely to be directly or indirectly affected are found in the following sections within the document:

Flora and Vegetation – Section 6.2-6.6

Terrestrial Fauna – Section 7.2-7.6

Subterranean Fauna – Section 8.2-8.5

Matters of National Environmental Significance

(MNES) – Section 9.2-9.6

Hydrological Processes – Section 10.2 – 10.4

Inland Waters Environmental Quality – Section 11.2-11.9

Air Quality and Atmospheric Gases – Section 12.2-12.5

Human Health – Section 13.2-13.7

Heritage – Section 14.2-14.4

PART 2 – MARINE ENVIRONMENTAL ISSUES

Not relevant

PART 3 – TERRESTRIAL BIODIVERSITY ISSUES

For proposals with the potential to impact on areas of native vegetation, or other natural environments.

For proposals likely to impact on native flora and vegetation/plant communities, the EIA document describes how potential impacts have been addressed in the context of EPA Guidance Statement No. 51, Terrestrial Flora and Vegetation Surveys for Environmental Impact Assessment (June 2004), including:

- Determining the level of flora and vegetation survey consistent with that expected in Table 3 of Guidance Statement No.51 (Appendix 2);

The Proposal involves clearing up to 3787 hectares of Native Vegetation within Bioregion Group 4 of which around 78% is temporarily 'Degraded' (although the condition will eventually improve with post-fire regrowth). There are no TECs known to occur within or in close proximity to the Proposal. Proposed Disturbance Footprint was surveyed and all conservation significant flora species recorded. The surveys and investigations undertaken are described in section 6.3. The scale and nature of the impact was considered high due to the large area of proposed clearing and the level of survey, being a Comprehensive Level 2 Survey, was considered consistent with the high impact.

- Describing the survey area and methodologies, including reference to timing, duration, survey effort, any survey limitations, and the nomenclature used (WA Herbarium);

The surveys and investigations are described in section 6.3. Detailed maps showing the areas surveyed and the results of those surveys are in Figures 6.5-6.26.

- Maps and text describing the survey area/plot sites, location of significant species, vegetation mapping, vegetation condition assessment, and predicted extent of impact on the vegetation;

Maps are shown in Figures 6.5-6.26. The impact on conservation significant species and on vegetation communities is described in section 6.4 and 9.4.

- A comprehensive list of flora species identified and assessment of threatened, priority or other significant flora / ecological communities (TECs, PECs) known or reasonably expected to occur in the area (as defined in Guidance Statement 51);

A comprehensive list of flora species is Appendix I within Appendix A1. Priority flora are identified in section 6.4.

- Evaluating the impact of the proposal on the species/communities, including reference to the extent of regional clearing of the vegetation complex/type and ecological linkage; and

The impact on conservation significant flora and vegetation communities detailed in section 6.4.

- All quadrat data used in reporting provided as electronic database in raw form, in addition to hardcopy reports.

Electronic data provided.

If applicable, please identify relevant sections of the report in the box below.

Discussed above.

For proposals likely to impact on terrestrial fauna or fauna habitat, the EIA document describes how potential impacts have been addressed in the context of EPA Guidance Statement No. 56, Terrestrial Fauna Surveys for Environmental Impact Assessment (June 2004) and Technical Guide Terrestrial Fauna Surveys for Environmental Impact Assessment (EPA and Department of Environment and Conservation 2010), including:

- Determining the level of fauna survey consistent with that expected in Table 3 (Appendix 2) of Guidance Statement No. 56;

The Proposal involves clearing up to 3787 hectares of potential faunal assemblage within Bioregion Group 4 of which around 78% is temporarily 'Degraded' (although the condition will eventually improve with post-fire regrowth). The scale and nature of the impact was considered to be high due to the large area of proposed clearing. The surveys and investigations undertaken are described in section 6.3 and 9.3 consisting of Level 2 surveys which included a number of targeted surveys for particular species.

- Describing the survey methodologies in the context of EPA and DEC (2010), including reference to timing, duration and survey effort used to sample each of the fauna groups sampled, any survey limitations and the nomenclature used (WA Museum checklist except for birds which should follow Christidis and Boles 2008);

Details of all surveys are in section 6.3 and 9.3.

- Maps and text describing the survey area, sampling locations and fauna habitats; and

The various surveys are represented in Figures s7.1, 7.2, 7.3 and Chapter 9.

- A comprehensive list and assessment of fauna known or reasonably expected to occur in the area, including Specially Protected and other significant fauna (as defined in Guidance Statement No. 56), and an evaluation of the impact of the proposal on the species and key habitat/s.

A summary of the results of each survey is given in section 7.3 with details in the Appendices that are the reports themselves. The impact of specially protected and other significant fauna is contained in section 9.4.

If applicable, please identify relevant sections of the report in the box below.

Sections identified above.

For proposals with the potential to impact on short range endemic (SRE) invertebrate fauna or SRE habitat, the EIA document describes how potential impacts have been addressed in the context of EPA Guidance Statement No. 20, Sampling of Short Range Invertebrate Fauna for Environmental Impact Assessment in Western Australia (May 2009), including:

- Early initial assessment for restricted habitat types that have potential to support SRE fauna, including advice from the WA Museum and the DEC/OEPA.

SRE work described in section 7.2 and 7.3.

- Maps and text describing the survey area, potential SRE habitats and regional context and extent of predicted impact on the habitat.

Figure 7.2 of the PER and Appendix B8.

- Describing the survey methodologies, including reference to timing, duration and survey effort used to sample each of the SRE groups sampled, and any survey limitations.

Work described in section 7.3.4

- A survey report with assessment of SRE fauna found or reasonably expected to occur in the area, including any Specially Protected and other significant fauna, their known occurrence/habitats locally and their wider status if known, and an evaluation of the risk of the proposal to long-term survival of the species and community.

Results shown in section 7.3.4 and 7.4.4

If applicable, please identify relevant sections of the report in the box below.

Sections identified above.

For proposals with the potential to impact on subterranean (stygo fauna and troglota fauna) fauna, the EIA document describes how potential impacts have been addressed in the context of EPA Guidance Statement No. 54 Consideration of Subterranean Fauna in Groundwater and Caves during Environmental Impact Assessment in Western Australia (2003) and 54a Sampling Methods and Survey Considerations for Subterranean Fauna in Western Australia (Draft 2007), including:

- Early initial desktop review to determine if the site has potentially suitable geology /substrate habitat that could support subterranean fauna, including advice from the WA Museum and the DEC/OEPA and a pilot study, if appropriate;

Surveys and investigations described in section 8.3

- A subterranean fauna survey report, if the site has a very high or high likelihood of supporting subterranean fauna, or a pilot study indicated that the site supports a significant subterranean fauna;

Surveys results described in section 8.3 – there are no significant subterranean fauna

Maps and text identifying and describing the survey sites/area, and the geology/ habitat supporting subterranean fauna, and extent of predicted impacts on the habitat (Note the survey area should extend beyond the predicted impact zone);

Figures 8.1, 8.2, 8.3, 8.4, 8.5 in PER and Appendix C1 and C2

- Describing the survey methodologies (see Guidance Statement No. 54a), including reference to timing, duration and survey effort used to sample each of the fauna groups sampled, species identification, and any survey limitations; and

Descriptions in section 8.3

- A comprehensive list and assessment of subterranean fauna recorded or reasonably expected to occur in the area, including any Specially Protected and other significant fauna and their known occurrence/habitats locally and their wider status if known, and an evaluation of the risk of the proposal to long-term survival of the species and community.

Results of surveys in section 8.3 and 8.4

If applicable, please identify relevant sections of the report in the box below.

Sections identified above.