

12 March 2026

Our ref: 22SYD3598

DHL Supply Chain (Australia) Pty Ltd (DHL)
Rhodes Corporate Park
Level 4, Building C
1 Homebush Bay Drive, Rhodes NSW 2138

Attention: David Henderson

Dear David,

Re: DHL Logistics Facility Stage 1 (SSD-7081878) & Stage 2 (SSD-70817958) – Response to Submissions (RTS) request for preparation of a Wildlife Hazard Assessment (WHA)

Eco Logical Australia (ELA) was engaged by DHL Supply Chain (Australia) Pty Ltd (DHL) (the Proponent) to provide consideration of wildlife hazards and to address Western Sydney International Airport's (WSI) Response to Submissions (RTS) with regard to wildlife hazards. The staged development includes the construction and operation of four warehouses (two per stage) and associated landscaping.

The proposed DHL Stage 1 & 2 (the 'study area') is located within Lot 1 DP 1306448 at 1953-2109 Elizabeth Drive, Badgerys Creek NSW within the broader 'Burrah Park' (SSD-70316465) masterplan site. The study area occupies approximately 25 hectares (ha) within the Burrah Park site boundary, located north of WSI and within the 3 km wildlife buffer zone (Figure 1).

This letter refers to the following RTS comment received from WSI for Stage 1 (SSD-70817958) and Stage 2 (SSD-70817958):

Wildlife Hazards

'Whilst a Biodiversity Assessment was undertaken, there is no assessment as to the potential impacts of any wildlife on that site and impact to airport operations. Given there are basins on site, this should be undertaken, particularly in relation to ongoing management and mitigation and the sites proximity to arrival and departure flight paths, where aircraft will be operating at lower altitudes.'

The proposed development is subject to wildlife hazard controls under the *State Environmental Planning Policy (Precincts – Western Parkland City) 2021* (Western Parkland City SEPP), Western Sydney Aerotropolis Phase 2 Development Control Plan 2022 (Phase 2 DCP), the National Airport Safety Framework (NASF) and the *Aviation Safeguarding Guidelines – Western Sydney Aerotropolis*.

The DHL Logistics Facility Stages 1 and 2 are located within the area subject to the Burrah Park State Significant Development Application (SSDA SSD-70316465). A Wildlife Hazard Assessment (WHA) and Wildlife Management Plan (WHMP) were prepared for that SSDA assessed the entire Burrah Park SSDA masterplan site with respect to wildlife attractiveness, species occurrence, habitat availability,

comparison of risk profiles (per AAWSF classifications), design mitigation and ongoing monitoring. This letter confirms that the proposed built form and landscaping approach for the DHL Masterplan is consistent with the Burrah Park concept and mitigation approach. The mitigation, monitoring and management of wildlife hazards will be undertaken for the DHL Logistics Facility Stages 1 and 2 under the measures set out in the Burrah Park WHMP (ELA 2025b).

The Burrah Park WHA, the WHMP and this letter provide an explanation, assessment and management regarding potential wildlife hazards within the DHL site.

Regards,



Courtney Blick
Senior Environmental Consultant

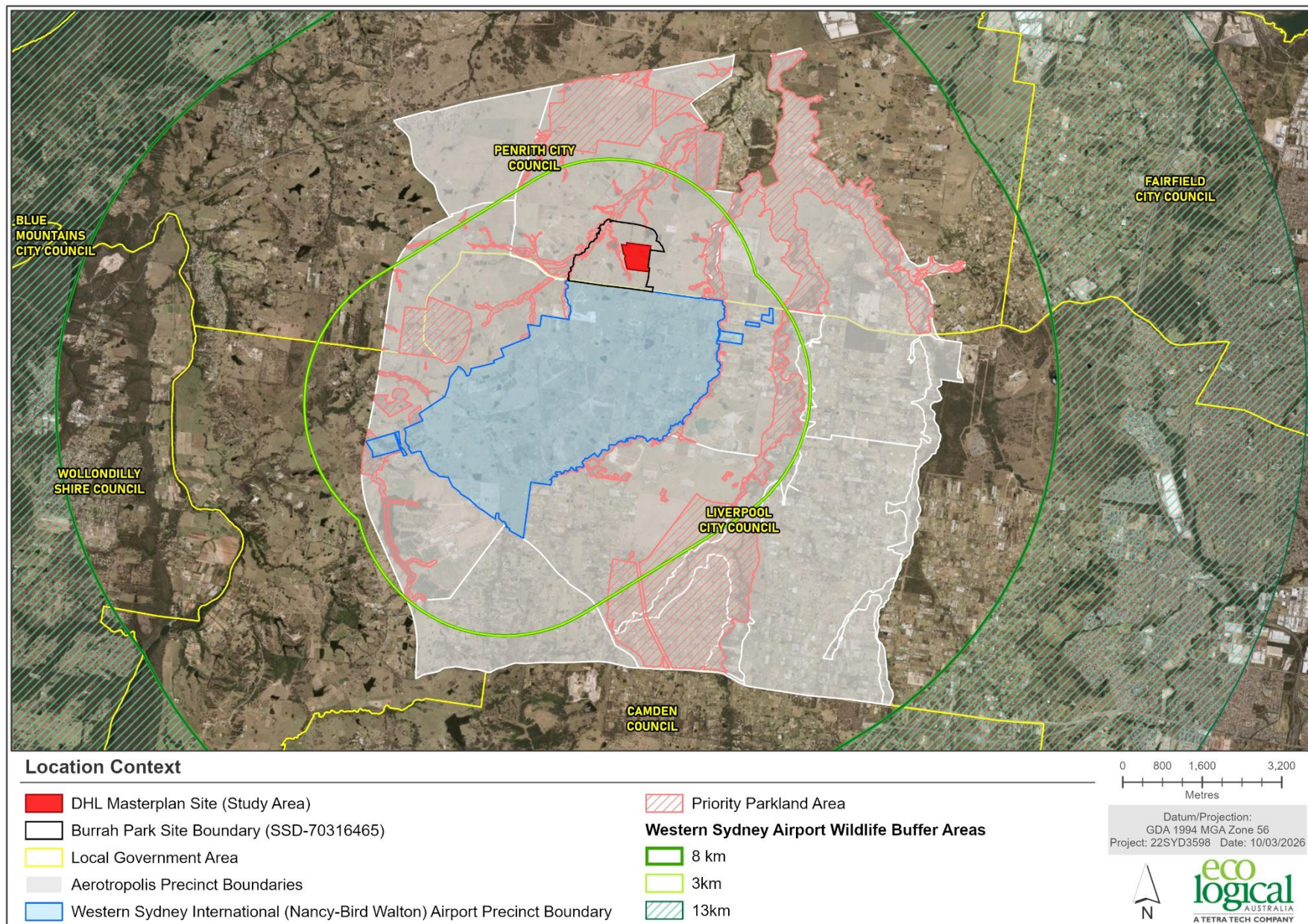


Figure 1: Location context for DHL Masterplan

1. Introduction

1.1. Project description

Stage 1 (SSD-70818708) and Stage 2 (SSD-70817958) of the DHL Logistics Facility proposes staged construction of two (2) warehouse buildings per stage, for use as a logistics centre with 24 hour 7 days a week operation, comprising the following:

- Construction of two warehouses;
- Building fit out;
- Construction of hardstand, loading and carparking;
- Landscaping works including construction of five pond/wetland areas; and
- Signage.

1.1.1. Previous assessment - Burrah Park

The DHL Masterplan study area is proposed within the broader development site known as Burrah Park, located at 1953-2109 Elizabeth Drive, Badgerys Creek NSW (Figure 1). Burrah Park is seeking approval for a concept Masterplan and Stage 1 works under SSD-70316465. The submission has included a Wildlife Hazard Assessment (WHA) (ELA 2025a) for the entire Burrah Park masterplan site, which encompasses the DHL Masterplan study area.

The SSD-70316465 proposal includes bulk earthworks across the subject land, infrastructure delivery, road access/intersections, internal road construction, civil infrastructure and utilities, stormwater infrastructure works and the construction of three (3) warehouse buildings.

2. Consistency assessment

Table 1 below summarises the proposed land uses under the Burrah Park Masterplan (referring only to the DHL relevant areas of the site), which is subject to existing WHA (ELA 2025a and ELA 2026b), which encompasses the DHL study area.

One additional land use is proposed – **wetland** – within the DHL study area, which were not included or assessed within the DHL study area under the Burrah Park WHA (ELA 2025a).

The DHL landscape strategy incorporates five small, non-contiguous wetland areas in the landscape. Their function is not as part of the larger stormwater management and retention system for the broader Burrah Park Masterplan (visible in Figure 2 – Plate A), but are shallow, landscaped areas primarily for amenity purposes. As such, they are not considered a ‘water storage facility’ and do not comprise a relevant development or land use under the DCP or SEPP. The wetlands will be subject to design mitigations to reduce wildlife attraction (consistent with Sydney Water Guidelines) and ongoing monitoring and mitigation under the Burrah Park WHMP (ELA 2025b), including adaptive management should wildlife become present in hazardous quantities or behaviours. Design mitigations (shown in Appendix A) consistent with Sydney Water guidelines for wetland components include:

- Edge treatment – Use of sandstone lots to reduce the attractiveness to birds
- Planting of a macrophyte zone
- Safety bench for safe entry/exit of the wetland

The total area of wetland area across all lots is 0.11 ha, each to a depth of 0.3 m (0.33 ML storage volume). The total deviation from the Burrah Park masterplan is a 0.91 ha reduction in impervious areas from hardstand or built form, to landscaped areas refined under the DHL Stage 1 & 2 proposal. This is a minor change (3.5%) in the context of the Burrah Park assessment at the masterplan scale, and achieves the intended outcomes consistent with the DCP and SEPP controls. A summary of consistency is provided in Table 2 below, and further detail in Section 2.1 (Table 3 and Table 4).

The proposed difference in land use and risk are marginal (3.5%) and due to refined landscape design undertaken for the DHL Logistics Facility, compared to Burrah Park at the Masterplan scale. The landscape strategy has remained consistent, with use of species approved under Appendix B of the Phase 2 DCP, and arranged consistent with the Burrah Park Masterplan.



Figure 2: Proposed habitat by AAWSF Land Use



Figure 3: Proposed habitat by AAWSF Wildlife Attraction Risk

Table 1: Proposed land use and AAWSF risk assessed under Burrah Park Masterplan and proposed for DHL Stage 1 & 2

Proposal	Built/hardstand areas (ha) AAWSF Very Low Risk	Landscaping (ha) AAWSF Moderate Risk	Wetlands (ha) AAWSF High Risk	Total (ha)
Burrah Park Masterplan (DHL study area only)	22.71	3.48	0.00	26.19
DHL Logistics Facility Stage 1 & 2	21.80	4.27	0.11	26.19
<i>Difference in area (ha)</i>	- 0.91	+ 0.79	+ 0.11	-
<i>Difference in percent of total (%)</i>	- 3.5%	+ 3%	0.42%	-

NOTE: Built/hardstand includes warehouse, office, carpark, road and pathways; Landscaping includes soft landscaping, open lawn, tree canopy and road verge planting areas.

Table 2: Summary of DHL proposal consistency with Burrah Park Masterplan

DHL Masterplan – Development Aspect	Summary of consistency			Assessment trigger
	Burrah Park masterplan	Aerotropolis Phase 2 DCP	Western Parkland City SEPP	
Proposed development uses and landscaping	DHL provides generally for areas of warehousing and landscaping consistent with the Burrah Park masterplan. The specific location of internal roads, carparking and landscape features was not detailed at the Burrah Park masterplan stage, and vary slightly under the DHL plans. A smaller area of built form (- 0.91 ha) has been provided in place of additional landscaping(+ 0.79 ha) and small non-contiguous wetland features (+ 0.11 ha) as part of the landscape strategy. The specific locations of the tree plantings have been adjusted compared to the Burrah Park Masterplan, and the increased area of landscaping overall is due to the refinement of the built form/warehouse footprint to provide for open lawn and understorey plantings beyond tree canopy. Overall, these changes represent less than 3.5% of the total DHL study area and will still be subject to the monitoring and management controls provided under the WHMP (ELA 2025b).	No additional additional land uses listed under Appendix D.7 of the DCP (see Appendix A of this document) are proposed which would require a Wildlife Hazard Assessment (WHA) to be prepared. The areas of refined landscape design under DHL are consistent with the Appendix B of the DCP planting requirements, as well as the Section 2.10.3 benchmark solutions (see Appendix A of this document). Specifically, the landscape design does not propose any alternative or denoted species from Appendix B of the DCP, and limits groups of trees to 4 or less (no groups of 5 or more are proposed). Species have been selected from Appendix B of the DCP. This is consistent with the proposed Burrah Park masterplan already assessed under a WHA (ELA 2025a) for on-lot landscaping and is not considered to trigger additional requirements	Section 4.19 (2) of the SEPP requires a WHA to be prepared for relevant development within the 13 km wildlife buffer zone. No additional land use or purpose considered relevant development under Section 4.19 of the SEPP (see Appendix A of this document) is proposed which would require a Wildlife Hazard Assessment (WHA) to be prepared. The newly proposed land use for wetland under DHL Stages 1 & 2 does not correspond to a water storage facility or recreation land use under the AAWSF (see Appendix C). An additional duplicative WHA or WHMP is not required to be prepared based on Section 4.19 of the SEPP. This proposed approach for the mitigation and management of wildlife risk to the Airport is considered to satisfy Section 4.19	No requirement for further WHA or WHMP identified under the DCP or SEPP.

DHL Masterplan – Development Aspect	Summary of consistency			Assessment trigger
	Burrah Park masterplan	Aerotropolis Phase 2 DCP	Western Parkland City SEPP	
		under the DCP. The Burrah Park WHMP (ELA 2025b) will apply to the DHL study area.	(2c) with regard to the additional proposed 'water areas'.	
AAWSF land use categories	DHL proposes one additional land use not included within the DHL portion of the Burrah Park masterplan. The 5 x additional wetland areas are non-contiguous and small, with the largest occupying a space of < 0.1 ha under Stage 2. One additional wetland is proposed within each Lot as part of the proposed landscaping strategy, for a total of 0.11 ha.	No additional land uses listed under Appendix D.7 of the DCP (see Appendix A of this document) are proposed which would require a Wildlife Hazard Assessment (WHA) to be prepared. The newly proposed land use for wetland under DHL Stages 1 & 2 does not trigger a WHA or WHMP to be prepared. Under the AAWSF (see Appendix C), wetland does not correspond to a water storage facility or recreation land use. Considering its limited area and specific function for amenity within the existing proposed landscape area, a WHA or WHMP is not required per the DCP.	Section 4.19 (2) of the SEPP requires a WHA to be prepared for relevant development within the 13 km wildlife buffer zone. No additional land use or purpose considered relevant development under Section 4.19 of the SEPP (see Appendix A of this document) is proposed which would require a Wildlife Hazard Assessment (WHA) to be prepared. This proposed approach for the mitigation and management of wildlife risk to the Airport is considered to satisfy Section 4.19 (2c) with regard to the additional proposed 'water areas'.	No requirement for further WHA or WHMP identified under the DCP or SEPP.
AAWSF wildlife attraction risk	Areas of high risk habitat classified under the AAWSF have been introduced due to the wetland inclusions. These areas are small (0.11 ha total) and non-contiguous, representing a change to less than 0.5% of the overall DHL study area. Areas of moderate risk habitat have slightly increased (3%) with a reduction in hardstand areas (very low risk, -3.5%).	The changes to AAWSF wildlife risk do not, in and of themselves, trigger any assessment requirements under the Phase 2 DCP. This information is included in this response to provide context for the changes and highlight the marginal difference in overall risk classifications. Areas of moderate and high risk under the Burrah Park WHMP (ELA 2025b) will be subject to ongoing monitoring and management, including adaptive management and updates to the WHMP as necessary. The DHL study area will be subject to the overall WHMP for the site to ensure a consistent management approach. Further assessment for this aspect is not required under the DCP.	The consideration of additional wildlife risk under the DHL landscape proposal is in the context of an existing WHA for the entire Burrah Park masterplan site (ELA 2025a). The DHL proposal is generally consistent with this assessment, and does not propose additional new 'relevant development' (see Appendix A of this document) that would require a separate and duplicative assessment. The DHL study area will be subject to monitoring and management under the Burrah Park WHMP (ELA 2025b) to ensure a consistent management approach. This proposed approach for the mitigation and management of wildlife risk to the Airport is considered to satisfy Section 4.19 (2c) with regard to the additional proposed 'water areas'.	No requirement for further WHA or WHMP identified under the DCP or SEPP.

2.1. Consistency with Planning Framework

Table 3 and Table 4 below describe the consistency of DHL Logistics Facility Stage 1 & 2, against the Western Parkland City SEPP and Phase 2 DCP. This is provided in the context of the broader Burrah Park Masterplan (SSD-70316465) and existing WHA (ELA 2025a) and WHMP (ELA 2025b).

Table 3: Western Parkland City SEPP consistency

Clause	Burrah Park (SSD-70316465) Response (ELA 2025a)	DHL Stage 1 & 2 Consistency
Section 4.19 – Wildlife Hazards		
<i>(1) The objective of this section is to regulate development on land surrounding the Airport where wildlife may present a risk to the operation of the Airport.</i>		
<i>(2) Development consent must not be granted to relevant development on land in the 13 km wildlife buffer zone unless the consent authority –</i>		
(a) has consulted the relevant Commonwealth body, and	<i>The Commonwealth will be consulted during assessment phase of the SSDA.</i>	The Commonwealth will be consulted as required under the Burrah Park SSDA.
(b) has considered a written assessment of the wildlife that is likely to be present on the land and the risk of the wildlife to the operation of the Airport provided by the applicant, which includes— (i) species, size, quantity, flock behaviour and the particular times of day or year when the wildlife is likely to be present, and (ii) whether any of the wildlife is a threatened species, and (iii) a description of how the assessment was carried out, and	<i>The wildlife likely to be present on the land is presented in Section 4. The species likelihood of occurrence is detailed in Appendix C, with their risk (size and flocking behaviour) described in Appendix D.</i> <i>Threatened species (species listed under the EPBC Act and/or the BC Act) that have the potential to occur within the land is described in Section 4 (Table 6). Species listings are also presented in the likelihood tables in Appendix C. In total, 20 threatened species under either the EPBC Act only (5), BC Act only (10) or both (5) have potential to occur within the study area.</i> <i>Times of day or year is highly variable across species and has not been factored into the risk assessment as the WSI is a 24 hour operation, 365 days a year. Therefore, the approach taken was to consider the risk of the species to such an operation.</i> <i>Wildlife monitoring methods target particular times of the year to where the majority of wildlife (birds and bats) are likely to be present (Section 6, Table 16).</i> <i>The methodology for identifying species with greatest risk to the operation of the airport is described in Appendix A. A total of 31 species were assessed as being the greatest risk to airport operations (with high, very high or extreme hazard ratings). Four of these species were previously noted within the study area (Appendix E).</i>	The wildlife likely to be present on the DHL Masterplan site resides in have been subject to assessment under the Burrah Park WHA (ELA 2025a). Appropriate ongoing and adaptive monitoring for the entire site – inclusive of the DHL masterplan site – will be implemented under the Burrah Park WHMP (ELA 2025b).
(c) is satisfied that the development will mitigate the risk of wildlife to the operation of the Airport, including, for example, measures relating to— (i) waste management, landscaping, grass, fencing, stormwater or water areas, or	<i>The Project will reduce the highest risk of wildlife to the operation through removal of existing farm dams, design of stormwater facilities and wetland edges to reduce attractiveness to wildlife, and application of species planting</i>	DHL Stage 1 contains habitat features which are consistent with the Burrah Park masterplan with minor deviations (+3.5%) in landscaped areas. The DHL study area aims to balance competing objectives and provide mitigation measures where possible to reduce the risk of wildlife affecting airport operations to meet the requirements set out in the DCP, this

Clause	Burrah Park (SSD-70316465) Response (ELA 2025a)	DHL Stage 1 & 2 Consistency
(ii) the dispersal of wildlife from the land by the removal of food or the use of spikes, wire or nets	<i>palettes. Mitigation measures are described in Section 6 and the separate WHMP (see ELA 2025d). The Project does contain some habitat features which may attract wildlife, such as waterbodies for stormwater management and rehabilitation of vegetated riparian zones. The Project aims to balance competing objectives and provide mitigation measures where possible to reduce the risk of wildlife affecting airport operations. These are a consequence of meeting requirements set out in the DCP and agencies responsible for regulating stormwater management.</i>	has been provided in the Burrah Park WHMP (ELA 2025b). These mitigation measures will apply to the additional 'water areas' not included in the Burrah Park masterplan as a result of landscape refinements and the site-specific scale of the DHL proposal. These will be designed consistent with the Sydney Water Guidelines (specifically wetland edge treatment) to reduce attractiveness of the wetlands for wildlife. The WHMP contains monitoring and mitigation for wetland areas proposed elsewhere in the Burrah Park site. No additional mitigation or management strategy is required to address this change, being consistent with the design mitigations of larger wetlands under the Burrah Park concept plan, and will be subject to the same monitoring and management plan.
(3) Despite subsection (2), development for the following purposes is prohibited on land in the 3km wildlife buffer zone— (a) livestock processing industries (b) turf farming (c) waste or resource management facilities that consist of outdoor processing, storage or handling of organic or putrescible waste.	<i>The Project does not provide for these land uses.</i>	The DHL proposal does not provide for these land uses.

Table 4: Aerotropolis Phase 2 DCP consistency

Clause	Burrah Park (SSD-70316465) Response (ELA 2025a)	DHL Stage 1 & 2 Consistency
1. Refer to Appendix B for a list of suitable landscape species.	<i>The Burra Park Landscape Plan (Geoscapes 2025) has utilised species from this list. The plan proposes to use some species with higher risk of wildlife attraction in order to meet other objectives of the DCP including ecological restoration along Cosgroves Creek. This is consistent with the intent of the Parkland Priority Areas. The plan uses species with less wildlife attractiveness wherever possible outside of the Parkland Priority Areas. On-lot landscaping will not use species that have additional assessment requirements.</i>	The DHL Logistics Facility Badgerys Creek South Lot Landscape (Site Image 2026) has utilised species from Appendix B of the Aerotropolis DCP and the Burrah Park Landscape Plan (Geoscapes 2025). The plan proposes to use some species with higher risk of wildlife attraction in order to meet other objectives of the DCP. This is consistent with the goals of Burrah Park and the intent of the Parkland Priority Areas. The plan uses species with less wildlife attractiveness wherever possible outside of the Parkland Priority Areas. On-lot landscaping will not use species that have additional assessment requirements.

Clause	Burrah Park (SSD-70316465) Response (ELA 2025a)	DHL Stage 1 & 2 Consistency
2. In areas within the 3 km wildlife buffer but outside of the Parkland Priority Areas, a report prepared by a suitability qualified and experienced ecologist is to be submitted with any application when the landscaping plan: a. Incorporates alternative landscape species not listed within Appendix B; b. Incorporates landscape species denoted within the landscape species list; c. Will result in more than 5 trees being planted in 1 group (group refers to touching mature canopies); and/or d. Provides a spacing between a group of 5 or more trees that is less than 100 m.	<i>The Cosgroves Creek Riparian Corridor and stream within the central core are identified as Parkland Priority Areas. Within these areas, the DCP allows a greater list of species to be used. Species to be planted in these areas are outlined in a Vegetation Management Plan (VMP).</i> <i>Native low-risk trees species from the Western Sydney Aerotropolis DCP, Appendix B will be selected for areas outside the Parkland Priority Areas. These areas will have targets for reduced canopy cover and appropriate spacing between trees/clusters of trees (e.g. clusters of 3-4 trees. 2-5m buffer).</i> <i>Some species have been selected that are not on the Aerotropolis DCP, Appendix B list of approved plants, however, have been selected based on collaborative work between an Indigenous Ecologist Consultant, project Ecologist, project Indigenous Consultant Group and the Landscape Architects.</i> <i>Trees such as fig which are highly attractive to Grey Headed Flying Fox will not be used anywhere on site.</i>	Landscape species have been selected from the Western Sydney Aerotropolis DCP, Appendix B. Canopy cover and appropriate spacing between groups of trees (no more than 4 per cluster) are consistent with the Burrah Park Masterplan and DCP requirements.
3. The ecologist report is to consider building, site, and water body design outcomes and/or landscape maintenance measures that will mitigate bird and flying fox attraction and roosting areas	<i>Building design has considered the DCP objective in section 2.10.3. Mitigation measures for developed land are outlined in the relevant Burra Park Aviation Safeguarding Assessment (Avlaw 2024).</i> <i>Site and water body design has reduced the size of the available water bodies on site (through removal of 10 existing farm dams) and proposed stormwater management facilities follows the draft Sydney Water Guidelines which incorporate features such as vertical edges to water bodies, fencing and the provision of dense planting to discourage certain bird guilds.</i> <i>Monitoring of wildlife will be undertaken to identify any habitat elements that provide habitat for high-risk bird or bat species. Where such species are identified, consideration for further mitigation measures will be undertaken.</i> <i>Landscape maintenance will be undertaken to remove or reduce habitat elements that have become attractive to animals, particularly high- risk birds or bats.</i> <i>The above measures reduce the attractiveness of the study area to birds and bats, however they do not eliminate the</i>	The Burrah Park WHA (ELA 2025b) and WHMP (ELA 2025b) has assessed these factors for the entire Burrah Park masterplan site, inclusive of the DHL study area. The addition of small (0.11 ha total) wetland areas is a landscape refinement and does not propose additional land uses or relevant development. Wetlands are proposed elsewhere in the Burrah Park site and have been considered for appropriate design, mitigation and monitoring approaches. The proposed wetlands under the DHL landscape plan are amenity-focussed, do not form part of the regional stormwater management network, are not considered water storage facilities, and have a sympathetic design considerate of both public safety and wildlife deterrence. Design principles set out under the Sydney Water Guidelines have been considered in the design of the wetland areas regardless. The management of wildlife risk in all areas of landscape as well as built form (where relevant e.g. waste management) will be guided by the Burrah Park Masterplan WHMP (ELA 2025b) to achieve a consistent management approach.

Clause	Burrah Park (SSD-70316465) Response (ELA 2025a)	DHL Stage 1 & 2 Consistency
	<i>habitat that may be attractive to birds or bats. These elements are provided in order to meet other DCP objectives such as:</i> <i>2.1 Celebrating culture by reflecting the cultural landscape and continuous connection of Aboriginal people and country through preservation and rehabilitation of the natural environment;</i> <i>4.5.3 Public domain and canopy cover;</i> <i>2.3 Waterway Health and Riparian Corridors;</i> <i>2.4.2 Conserve and manage existing vegetation and contribute to the increase of habitat and tree canopy within the Aerotropolis).</i>	

3. References

Department of Planning, Housing and Infrastructure (DPHI) 2026. *Burrah Park* [Major Projects]. Available online at <https://www.planningportal.nsw.gov.au/major-projects/projects/burrah-park>.

Eco Logical Australia (ELA) 2025a. *Burrah Park – Wildlife Hazard Assessment Report*. Prepared for HBB Property Pty Ltd. Available online at Major Projects.

Eco Logical Australia (ELA) 2025b. *Burrah Park – Wildlife Hazard Management Plan*. Prepared for HBB Property Pty Ltd. Available online at Major Projects.

NSW Government 2024. *Western Sydney Aerotropolis Development Control Plan Phase 2*. Amendment 1, 26 September 2024. Available online at <https://www.planningportal.nsw.gov.au/western-sydney-aerotropolis-DCP>.

NSW Government 2026. *State Environmental Planning Policy (Precincts—Western Parkland City) 2021* – Chapter 4 Part 4.3 Development controls—Airport safeguards. Available online at <https://legislation.nsw.gov.au/view/html/inforce/current/epi-2021-0728#ch.4-pt.4.3>.

Site Image 2026a. *DHL Logistics Facility South Lot – Landscape SSDA Stage 1*. Prepared for DHL Pty Ltd.

Site Image 2026b. *DHL Logistics Facility North Lot – Landscape SSDA Stage 2*. Prepared for DHL Pty Ltd.

Western Sydney International (WSI) Airport 2026. *EIS Advice: 1953-2109 Elizabeth Drive, Badgerys Creek*. WSA Reference: WSA25.008. Available online at <https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=SSD-70817958%2120250613T011018.804%20GMT>.

Appendix A Landscape Pond Cross-Section (AT&L 2026)

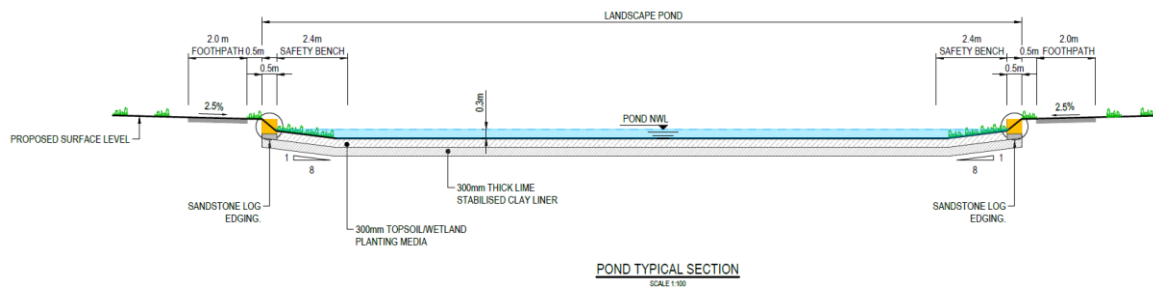


Figure 4: Lot 3.1 landscape pond cross section

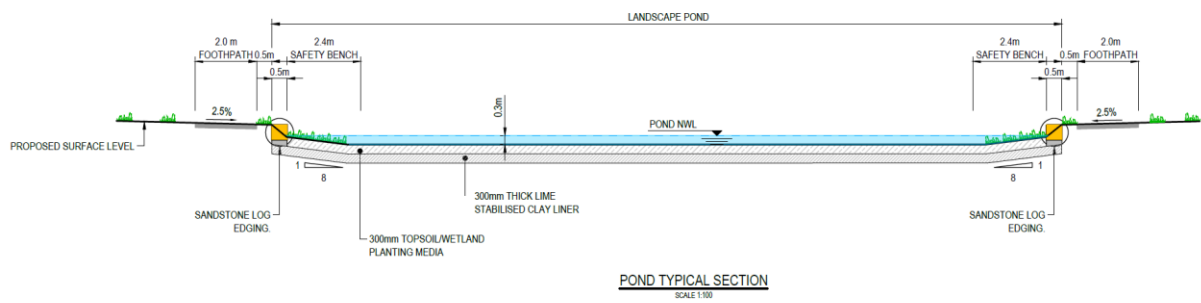


Figure 5: Lot 3.2 landscape pond cross section

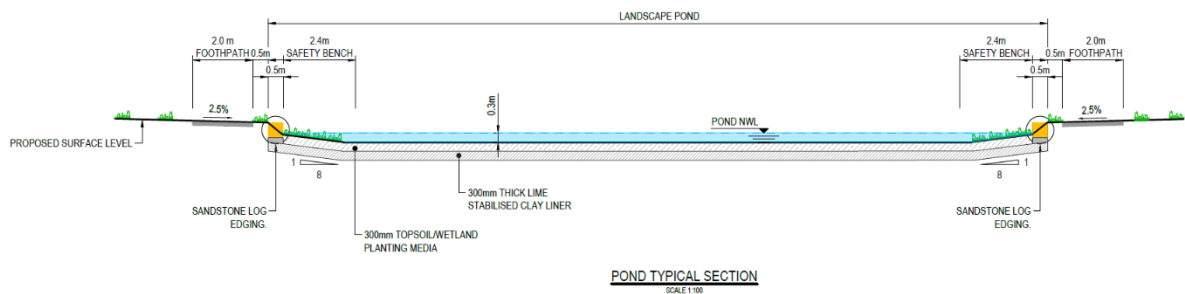


Figure 6: Lot 3.3 landscape pond cross section

Appendix B Wildlife assessment triggers

Instrument	Chapter / reference	Control
Aerotropolis Phase 2 DCP	2.10.3 Wildlife Hazards	PO1 Benchmark Solution 1. All waste bins are designed and installed with fixed lids. 2. Any bulk waste receptacle or communal waste storage area is contained within enclosures that cannot be accessed by birds or flying foxes. 3. Any stormwater detention within the 3km and 8km wildlife buffer is designed to fully drain within 48 hours after a rainfall event. 4. Buildings and structures are designed to minimise the opportunity for roosting areas. PO2 Benchmark Solution 1. Refer to Appendix B for a list of suitable landscape species. 2. In areas within the 3km wildlife buffer but outside of the Parkland Priority Areas shown in Figure 8, a report prepared by a suitability qualified and experienced ecologist is to be submitted with any application when the landscaping plan: a. Incorporates alternative landscape species not listed within Appendix B; b. Incorporates landscape species denoted within the landscape species list; c. Will result in more than 5 trees being planted in 1 group (group refers to touching mature canopies); and/or d. Provides a spacing between a group of 5 or more trees that is less than 100m. 3. The ecologist report is to consider building, site, and water body design outcomes and/or landscape maintenance measures that will mitigate bird and flying fox attraction and roosting areas.
	Appendix D.7 Aviation Safeguarding Assessment	Matter to be addressed: Wildlife Hazards • Applications for the following uses within the 3 km and 8 km wildlife buffers must be accompanied with a Wildlife Hazard Assessment and Wildlife Management Plan that incorporates relevant mitigation and monitoring measures: a. Agricultural produce industry; b. Agriculture; c. Aquaculture; d. Camping ground; e. Garden Centre; f. Intensive livestock agriculture; g. Intensive plant agriculture; h. Livestock processing industry*; i. Plant nursery; j. Recreation facility (outdoor); k. Recreation facility (major); l. Recreational area; m. Sewage treatment plant; n. Waste or resource management facility*; o. Waste or resource transfer station*; p. Water storage facility. Note: Within 3km livestock processing industry, waste or resource management facilities and transfer stations that include any external storage, processing or handling are prohibited. • Applications for the following uses within the 13 km wildlife buffer must be accompanied with a Wildlife Hazard Assessment and Wildlife Management Plan that incorporates relevant mitigation and monitoring measures:

Instrument	Chapter / reference	Control
		a. Livestock processing industry*; b. Waste or resource management facility*; c. Waste disposal facility*; d. Sewage treatment plant. • Wildlife Hazard Assessment Reports must assess the wildlife attraction risk of the land use, the design of the building and ancillary works including proposed landscaping, water facilities (incl. stormwater infrastructure), waste management, and temporary risks associated construction activity. • The Wildlife Management Plan must respond to the findings and recommendations of the wildlife hazard assessment. • Where monitoring is required to be undertaken in accordance with the Management Plan, copies of the report are to be submitted to the airport lessee company within 28 days of completion. • A waste management plan for the operation of the use must be submitted for the following uses within the 3km, 8km and 13km buffer: a. Agriculture; b. Agricultural produce industry; c. Aquaculture; d. Camping Grounds; e. Eco-tourist facility; f. Food and Drink Premises; g. Garden Centre; h. Hotel; i. Intensive plant agriculture; j. Intensive livestock agriculture; k. Kiosk; l. Livestock processing industry*; m. Plant Nursery; n. Recreation facility (outdoor); and o. Recreation facility (major). • Landscaping within the Enterprise Zone and Agribusiness Zone must comply with Appendix B: Western Sydney Aerotropolis Landscape Species List, except where the property is subject to biodiversity certification conditions or identified as one of the key government commitments.
Western Parkland City SEPP	Chapter 4 Western Sydney Aerotropolis Part 4.3 Development controls–Airport safeguards	Section 4.19 Wildlife hazards (1) The objective of this section is to regulate development on land surrounding the Airport where wildlife may present a risk to the operation of the Airport. (2) Development consent must not be granted to relevant development on land in the 13 km wildlife buffer zone unless the consent authority— (a) has consulted the relevant Commonwealth body, and (b) has considered a written assessment of the wildlife that is likely to be present on the land and the risk of the wildlife to the operation of the Airport provided by the applicant, which includes— (i) species, size, quantity, flock behaviour and the particular times of day or year when the wildlife is likely to be present, and (ii) whether any of the wildlife is a threatened species, and (iii) a description of how the assessment was carried out, and

Instrument	Chapter / reference	Control
		(c) is satisfied that the development will mitigate the risk of wildlife to the operation of the Airport, including, for example, measures relating to— (i) waste management, landscaping, grass, fencing, stormwater or water areas, or (ii) the dispersal of wildlife from the land by the removal of food or the use of spikes, wire or nets. (3) Despite subsection (2), development for the following purposes is prohibited on land in the 3 km wildlife buffer zone— (a) livestock processing industries, (b) turf farming, (c) waste or resource management facilities that consist of outdoor processing, storage or handling of organic or putrescible waste. (4) In this section— 3 km wildlife buffer zone means the land shown as the “3 kilometre wildlife buffer zone” on the Wildlife Buffer Zone Map. 13 km wildlife buffer zone means the land shown as the “13 kilometre wildlife buffer zone” on the Wildlife Buffer Zone Map and includes the 3 km wildlife buffer zone. relevant development means development for the following purposes— (a) agricultural produce industries, (b) aquaculture, (c) camping grounds, (c1) cemeteries, (d) eco-tourist facilities, (e) garden centres, (f) intensive livestock agriculture, (g) intensive plant agriculture, (h) livestock processing industries, (i) plant nurseries, (j) recreation facilities (major), (k) recreation facilities (outdoor), (l) sewage treatment plants, (m) waste or resource management facilities that consist of outdoor processing, storage or handling of organic or putrescible waste, (n) water storage facilities.

Appendix C AAWSF Wildlife Attraction Risk by Land Use

The Aerotropolis Aviation Wildlife Safeguarding Framework (AAWSF) provides guidance on assessing and managing wildlife risk. The AAWSF was adapted by Avisure (2020) from the National Airports Safeguarding Framework (NASF) to respond specifically to the land uses and planning framework of the Western Sydney Aerotropolis.

Land Use ¹²	Standard Instrument Definition	Wildlife Attraction Risk	Western Sydney Aerotropolis: Actions for Existing Developments					Western Sydney Aerotropolis: Actions for Proposed Developments / Changes to Existing Developments				
			3 km radius (Area A)	3 km radius (Area A)	8 km radius (Area B)	8 km radius (Area B)	13 km radius (Area C)	3 km radius (Area A)	3 km radius (Area A)	8 km radius (Area B)	8 km radius (Area B)	13 km radius (Area C)
			Sub-area A1	Sub-area A2	Sub-area B1	Sub-area B2	(Area C)	Sub-area A1	Sub-area A2	Sub-area B1	Sub-area B2	(Area C)
Agriculture												
Abattoir	Livestock processing industry	Very High	Mitigate	Mitigate	Mitigate	Mitigate	Mitigate	Incompatible	Incompatible	Mitigate	Mitigate	Mitigate
Turf farm	Intensive plant agriculture	Very High	Mitigate	Mitigate	Mitigate	Monitor	Monitor	Incompatible	Incompatible	Mitigate	Monitor	Monitor
Piggery	Intensive livestock agriculture	High	Mitigate	Mitigate	Mitigate	Monitor	Monitor	Conditional	Mitigate	Mitigate	Monitor	Monitor
Orchard	Intensive plant agriculture	High	Mitigate	Mitigate	Mitigate	Monitor	Monitor	Conditional	Mitigate	Mitigate	Monitor	Monitor
Fish processing /packing plant	Livestock processing industry	High	Mitigate	Mitigate	Mitigate	Monitor	Monitor	Conditional	Mitigate	Mitigate	Monitor	Monitor
Aquaculture	Aquaculture	High	Mitigate	Mitigate	Mitigate	Monitor	Monitor	Conditional	Mitigate	Mitigate	Monitor	Monitor
Farm dam	Water storage facility	High	Mitigate	Mitigate	Mitigate	Monitor	Monitor	Conditional	Mitigate	Mitigate	Monitor	Monitor
Crops (e.g. wheat, grains, rice, legumes)	Agriculture	High	Mitigate	Mitigate	Mitigate	Monitor	Monitor	Conditional	Mitigate	Mitigate	Monitor	Monitor
Grain storage	Storage Premises (or ancillary)	High	Mitigate	Mitigate	Mitigate	Monitor	Monitor	Conditional	Mitigate	Mitigate	Monitor	Monitor
Cattle /dairy farm	Intensive livestock agriculture	Moderate	Mitigate	Monitor	Monitor	Monitor	Monitor	Mitigate	Mitigate	Mitigate	Monitor	Monitor
Poultry farm	Intensive livestock agriculture	Moderate	Mitigate	Monitor	Monitor	Monitor	Monitor	Mitigate	Mitigate	Mitigate	Monitor	Monitor
Plant nursery	Plant nursery	Moderate	Mitigate	Monitor	Monitor	Monitor	Monitor	Mitigate	Mitigate	Mitigate	Monitor	Monitor
Viticulture	Viticulture	Moderate	Mitigate	Monitor	Monitor	Monitor	Monitor	Mitigate	Mitigate	Mitigate	Monitor	Monitor
Market farms and gardens	Garden Centre	Moderate	Mitigate	Monitor	Monitor	Monitor	Monitor	Mitigate	Mitigate	Mitigate	Monitor	Monitor
Forestry	Forestry	Low	Monitor	Monitor	Monitor	No Action	No Action	Mitigate	Monitor	Mitigate	No Action	No Action
Horticulture	Horticulture	Low	Monitor	Monitor	Monitor	No Action	No Action	Mitigate	Monitor	Mitigate	No Action	No Action
Conservation and Natural Areas												
Wildlife sanctuary - wetland	Environmental protection works	High	Mitigate	Mitigate	Mitigate	Monitor	Monitor	Conditional	Mitigate	Mitigate	Monitor	Monitor
Conservation area - wetland	Environmental protection works	High	Mitigate	Mitigate	Mitigate	Monitor	Monitor	Conditional	Mitigate	Mitigate	Monitor	Monitor
Wildlife breeding/roosting	Environmental protection works	High	Mitigate	Mitigate	Mitigate	Monitor	Monitor	Conditional	Mitigate	Mitigate	Monitor	Monitor
Flying-fox camp	N/A – dependent on geographical context of camp	High	Mitigate	Mitigate	Mitigate	Monitor	Monitor	Conditional	Mitigate	Mitigate	Monitor	Monitor
Wetland	Wetland	High	Mitigate	Mitigate	Mitigate	Monitor	Monitor	Conditional	Mitigate	Mitigate	Monitor	Monitor
Wildlife sanctuary - dryland	Environmental protection works	Moderate	Mitigate	Monitor	Monitor	Monitor	Monitor	Mitigate	Mitigate	Mitigate	Monitor	Monitor
Conservation area - dryland	Environmental protection works	Moderate	Mitigate	Monitor	Monitor	Monitor	Monitor	Mitigate	Mitigate	Mitigate	Monitor	Monitor
Waterway (e.g. creeks, rivers)	Waterway	Moderate	Mitigate	Monitor	Monitor	Monitor	Monitor	Mitigate	Mitigate	Mitigate	Monitor	Monitor
Natural areas	Environmental facility or environmental protection works	Low	Monitor	Monitor	Monitor	No Action	No Action	Mitigate	Monitor	Mitigate	No Action	No Action
Recreation												
Showground	Recreation facility (outdoor) or (major)	High	Mitigate	Mitigate	Mitigate	Monitor	Monitor	Conditional	Mitigate	Mitigate	Monitor	Monitor
Fish cleaning facilities	N/A	High	Mitigate	Mitigate	Mitigate	Monitor	Monitor	Conditional	Mitigate	Mitigate	Monitor	Monitor
Public feeding of wildlife	N/A	High	Mitigate	Mitigate	Mitigate	Monitor	Monitor	Conditional	Mitigate	Mitigate	Monitor	Monitor

Land Use ¹²	Standard Instrument Definition	Wildlife Attraction Risk	Western Sydney Aerotropolis: Actions for Existing Developments					Western Sydney Aerotropolis: Actions for Proposed Developments / Changes to Existing Developments				
			3 km radius (Area A)	3 km radius (Area A)	8 km radius (Area B)	8 km radius (Area B)	13 km radius (Area C)	3 km radius (Area A)	3 km radius (Area A)	8 km radius (Area B)	8 km radius (Area B)	13 km radius (Area C)
			Sub-area A1	Sub-area A2	Sub-area B1	Sub-area B2		Sub-area A1	Sub-area A2	Sub-area B1	Sub-area B2	
Urban open space (e.g. cycleways, green areas, pedestrian walkways)	Recreational area	Moderate	Mitigate	Monitor	Monitor	Monitor	Monitor	Mitigate	Mitigate	Mitigate	Monitor	Monitor
Racetrack / horse riding school	Recreation facility (outdoor)	Moderate	Mitigate	Monitor	Monitor	Monitor	Monitor	Mitigate	Mitigate	Mitigate	Monitor	Monitor
Golf course	Recreation facility (outdoor)	Moderate	Mitigate	Monitor	Mitigate	Monitor	Monitor	Mitigate	Monitor	Mitigate	Monitor	Monitor
Sports facility (tennis, bowls, etc)	Recreation facility (outdoor)	Moderate	Mitigate	Monitor	Mitigate	Monitor	Monitor	Mitigate	Monitor	Mitigate	Monitor	Monitor
Sports fields	Recreation area	Moderate	Mitigate	Monitor	Mitigate	Monitor	Monitor	Mitigate	Monitor	Mitigate	Monitor	Monitor
Park / Playground	Recreation area	Moderate	Mitigate	Monitor	Mitigate	Monitor	Monitor	Mitigate	Monitor	Mitigate	Monitor	Monitor
Picnic / camping ground	Camping ground	Moderate	Mitigate	Monitor	Mitigate	Monitor	Monitor	Mitigate	Monitor	Mitigate	Monitor	Monitor
Water sport facilities	Recreational facility (outdoor)	Moderate	Mitigate	Monitor	Mitigate	Monitor	Monitor	Mitigate	Monitor	Mitigate	Monitor	Monitor
Boat ramps	Boat ramp	Low	Monitor	Monitor	Monitor	No Action	No Action	Mitigate	Monitor	Mitigate	No Action	No Action
Recreational fishing areas	N/A	Low	Monitor	Monitor	Monitor	No Action	No Action	Mitigate	Monitor	Mitigate	No Action	No Action
Commercial												
Food processing	Agricultural produce industry or Livestock processing industry	High	Mitigate	Mitigate	Mitigate	Monitor	Monitor	Conditional	Mitigate	Mitigate	Monitor	Monitor
Fast food / drive-in / outdoor restaurant	Food and drink premises	High	Mitigate	Mitigate	Mitigate	Monitor	Monitor	Conditional	Mitigate	Mitigate	Monitor	Monitor
Earthworks	N/A - only during construction of other uses	Moderate	Mitigate	Monitor	Mitigate	Monitor	Monitor	Mitigate	Monitor	Mitigate	Monitor	Monitor
Warehouse (food storage)	Warehouse and distribution centre	Low	Monitor	Monitor	Monitor	No Action	No Action	Mitigate	Monitor	Mitigate	No Action	No Action
Shopping centre	Retail premises	Low	Monitor	Monitor	Monitor	No Action	No Action	Mitigate	Monitor	Mitigate	No Action	No Action
Marina	Marina	Low	Monitor	Monitor	Monitor	No Action	No Action	Mitigate	Monitor	Mitigate	No Action	No Action
Zoo	Animal boarding or training establishment	Low	Monitor	Monitor	Monitor	No Action	No Action	Mitigate	Monitor	Mitigate	No Action	No Action
Markets	Market	Low	Monitor	Monitor	Monitor	No Action	No Action	Mitigate	Monitor	Mitigate	No Action	No Action
Construction	N/A - only as ancillary to other purposes	Low	Monitor	Monitor	Monitor	No Action	No Action	Mitigate	Monitor	Mitigate	No Action	No Action
Office building	Office premises	Very Low	Monitor	No Action	No Action	No Action	No Action	Monitor	No Action	No Action	No Action	No Action
Hotel / motel	Hotel / motel	Very Low	Monitor	No Action	No Action	No Action	No Action	Monitor	No Action	No Action	No Action	No Action
Car park	Car park	Very Low	Monitor	No Action	No Action	No Action	No Action	Monitor	No Action	No Action	No Action	No Action
Cinemas	Entertainment facilities	Very Low	Monitor	No Action	No Action	No Action	No Action	Monitor	No Action	No Action	No Action	No Action
Warehouse (non-food storage)	Warehouse and distribution centre or Storage premises	Very Low	Monitor	No Action	No Action	No Action	No Action	Monitor	No Action	No Action	No Action	No Action
Petrol station	Service station	Very Low	Monitor	No Action	No Action	No Action	No Action	Monitor	No Action	No Action	No Action	No Action
Public transport facility	N/A	Very Low	Monitor	No Action	No Action	No Action	No Action	Monitor	No Action	No Action	No Action	No Action
Aerospace industry	N/A	Very Low	Monitor	No Action	No Action	No Action	No Action	Monitor	No Action	No Action	No Action	No Action
School/university	Educational establishment	Very Low	Monitor	No Action	No Action	No Action	No Action	Monitor	No Action	No Action	No Action	No Action
Utilities												
Organic waste facility - open	Waste or resource management facility	Very High	Mitigate	Mitigate	Mitigate	Mitigate	Mitigate	Incompatible	Incompatible	Mitigate	Mitigate	Mitigate
Putrescible waste facility - landfill - open	Waste disposal facility	Very High	Mitigate	Mitigate	Mitigate	Mitigate	Mitigate	Incompatible	Incompatible	Mitigate	Mitigate	Mitigate
Putrescible waste facility - transfer station - open	Waste or resource transfer station	Very High	Mitigate	Mitigate	Mitigate	Monitor	Monitor	Incompatible	Incompatible	Mitigate	Monitor	Monitor
Sewage / wastewater treatment facility	Sewage treatment plant	High	Mitigate	Mitigate	Mitigate	Mitigate	Mitigate	Conditional	Conditional	Mitigate	Mitigate	Mitigate
Water retention basins	Water storage facility	High	Mitigate	Mitigate	Mitigate	Monitor	Monitor	Conditional	Mitigate	Mitigate	Monitor	Monitor

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			Sub-area A1	Sub-area A2	Sub-area B1	Sub-area B2		Sub-area A1	Sub-area A2	Sub-area B1	Sub-area B2	
Waste collection points (commercial)	N/A	High	Mitigate	Mitigate	Mitigate	Monitor	Monitor	Conditional	Mitigate	Mitigate	Monitor	Monitor
Organic waste facility - enclosed	Waste or resource management facility	Moderate	Mitigate	Monitor	Mitigate	Monitor	Monitor	Mitigate	Monitor	Mitigate	Monitor	Monitor
Putrescible waste facility - landfill - enclosed	Waste disposal facility	Moderate	Mitigate	Monitor	Mitigate	Monitor	Monitor	Mitigate	Monitor	Mitigate	Monitor	Monitor
Putrescible waste facility - transfer station - enclosed	Waste or resource transfer station	Moderate	Mitigate	Monitor	Mitigate	Monitor	Monitor	Mitigate	Monitor	Mitigate	Monitor	Monitor
Non-putrescible waste facility - landfill	Waste disposal facility	Moderate	Mitigate	Monitor	Mitigate	Monitor	Monitor	Mitigate	Monitor	Mitigate	Monitor	Monitor
Dams	Water storage facility	Moderate	Mitigate	Monitor	Mitigate	Monitor	Monitor	Mitigate	Monitor	Mitigate	Monitor	Monitor
Stormwater drains	Water storage facility	Moderate	Mitigate	Monitor	Mitigate	Monitor	Monitor	Mitigate	Monitor	Mitigate	Monitor	Monitor
Non-putrescible waste facility - transfer station	Waste or resource transfer station	Low	Monitor	Monitor	Monitor	No Action	No Action	Mitigate	Monitor	Mitigate	No Action	No Action
Potable water treatment facility	Resource recovery facility	Low	Monitor	Monitor	Monitor	No Action	No Action	Mitigate	Monitor	Mitigate	No Action	No Action
Stormwater management facilities	Water storage facility	Low	Monitor	Monitor	Monitor	No Action	No Action	Mitigate	Monitor	Mitigate	No Action	No Action
Landscaping and Vegetation												
Landscaping: parks and gardens	Recreation area	Moderate	Mitigate	Monitor	Mitigate	Monitor	Monitor	Mitigate	Monitor	Mitigate	Monitor	Monitor
Landscaping: natural area revegetation	Environmental protection works	Moderate	Mitigate	Monitor	Mitigate	Monitor	Monitor	Mitigate	Monitor	Mitigate	Monitor	Monitor
Landscaping: streets and transport corridors	Road	Moderate	Mitigate	Monitor	Mitigate	Monitor	Monitor	Mitigate	Monitor	Mitigate	Monitor	Monitor
Landscaping: roads and motorways	Road	Moderate	Mitigate	Monitor	Mitigate	Monitor	Monitor	Mitigate	Monitor	Mitigate	Monitor	Monitor
Landscaping: rooftop gardens	N/A	Moderate	Mitigate	Monitor	Mitigate	Monitor	Monitor	Mitigate	Monitor	Mitigate	Monitor	Monitor