

Rail Infrastructure Upgrades:

Chullora and Sefton Laydown Areas Environmental Impact Assessment Checklist

September 2024



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1. Details of the proposal

Proposal	Details
Proposal name	Rail Infrastructure Upgrades – Chullora and Sefton Laydown Areas
Location	Sydney Trains – Chullora and Sefton Rail Yards
Timeframe	September 2024 to late December 2026

2. Description of proposed activity

2.1 Project background

Transport for NSW (Transport) is delivering a new, state-of-the-art fleet of intercity trains and regional trains.

To accommodate the new fleets, Transport need to upgrade and modify some existing rail infrastructure at various locations across the rail network. This work is referred to as the Rail Infrastructure Upgrades (the Project) and will include modifications within the rail corridor, including platforms, train stopping markers, signalling and lighting.

This Environmental Impact Assessment (EIA) Checklist has been prepared to assess the impacts associated with the use of two existing laydown areas within the operational rail network at Chullora and Sefton (the Proposal). The Proposal areas would function as ancillary facilities throughout the delivery phase of the Transport for Tomorrow (TfT) the Project (mid 2024 to December 2026) and provide the space required to support construction. The Project includes installation of car markers and balises, and upgrades to lighting, signalling and platforms; which have been assessed and approved separately by Transport. Where appropriate, cumulative impacts are assessed so the Project considers environmental impacts as a whole.

The location of the Chullora Laydown Area is illustrated in **Figure 1** and **Figure 2**, and the location of the Sefton Laydown Area is illustrated in **Figure 3** and **Figure 4** below.



Figure 1 – Chullora Proposal Area: Location of the Proposed Laydown Area





Figure 4 – Sefton: Proposed Laydown Area Boundaries within the Sefton Triangle

2.2 Scope of works

The Proposal refers to the use of two (2) existing TAHE owned operational rail corridor facilities at Chullora and Sefton in New South Wales (NSW) (known as Chullora Proposal Area and Sefton Proposal Area, respectively) to provide the laydown areas required to service construction of the projects scheduled in the Tft Rail Infrastructure Upgrades program.

The laydown areas would be utilised for the following purposes:

- Installation of a temporary site office, crib room, ablution facilities and small hazardous chemical storage cabinet/s as required.
- Parking and layover of construction plant and equipment as detailed in the 'construction plant and equipment' section below.
- Storage of equipment and materials such as containers, cable rolls, PVC conduits, pre-cast concrete pits, formwork, electrical equipment, marker posts and plaques, general tools and equipment; and delivery to approved Project sites.
- Minor fabrication of built elements required (i.e. electrical elements, marker posts and plaques, balise group units) prior to delivery and installation at approved Project sites.
- Storage and testing of electrical elements and track infrastructure such as balise group units.
- Vehicle transport of equipment and materials, fabricated elements and electrical components from the laydown areas to approved Project sites as required to facilitate construction.
- Small scale refuelling facilities (chemical and hazardous goods storage unit).
- Temporary storage of waste materials (excluding spoil) generated within the Proposal Areas in contained waste receptacles (skip bins or similar).
- Temporary storage of spoil generated by the Project in contained waste receptacles i.e. skip bins/bulker bags at the Chullora site only, as a contingency measure and a means for resource recovery where more localised options are not available. This spoil can be received from Project works within the area shown in **Figure 5** below and generally bounded by:
 - Maitland (north)
 - Goulburn (south)
 - Bathurst (west).



Figure 5 – Nominal boundary of Project sites from which spoil can be received.

The priority action list for spoil management is outlined below;

1. Reuse on site as far as practical.
2. Test, store and manage excess spoil on-site and transport direct to waste facility (contingent on site conditions).
3. Test, store and manage excess spoil at nearby Project sites with adequate room (on approval from TfNSW).
4. Transport spoil to Chullora for management.

In the event, that additional ancillary facilities are needed to support the Project, further assessment and Transport approval would be required.

2.2.1 Background and need

The Tft team has identified the need for centralised laydown areas to provide the physical space required to store materials and coordinate activities to support the safe and efficient delivery of projects during the program of construction work.

These ancillary facilities would be required for temporary use throughout the delivery phase in accordance with the 'Scope of Works' detailed above.

Alternative options

The approved work locations for Rail Infrastructure Upgrades are generally positioned within narrow and highly constrained sections of the operational rail network with limited space and opportunity to conduct the necessary preparatory works and logistics required for safe and efficient project delivery.

The close proximity to the live rail environment would place workers at a heightened risk of interaction with trains and other hazards (i.e. services and utilities) and cause disruption to operations due to the safety provisions and implementation of the controls required to perform work. There would also be a greatly reduced efficiency should similar work functions be required

to take place on sites across a number of dispersed locations rather than two centralised and controlled sites as detailed in the Proposal.

For this reason the 'Alternative option' was not considered a viable option to achieve the stated outcomes from the Tft program.

Preferred Option

The Preferred Option detailed in the Proposal is for use of two (2) existing laydown areas within the operational rail network at Chullora and Sefton as detailed above. Both laydown areas are located within the Sydney Trains operational rail network facilities with provision of landowner approvals for use as detailed in **Section 6**.

The 'Preferred Option' detailed in the Proposal is deemed to be the most suitable option due to the following considerations:

- The Chullora Proposal Area is located within a Sydney Trains rail facility which is suitable for the land uses addressed in this Proposal. This area has been in use for a similar purpose by another company who recently demobilised from this site so is deemed to be fit for purpose.
- The Sefton Proposal Area is approved for the proposed use by an existing landowner approval in place for the Tft More Trains More Services (MTMS) Project and would be applicable for the Rail Infrastructure Upgrades program.
- Both locations address safety requirements by minimising the interface with other operations within the live rail corridor.
- Both locations provide laydown facilities to stage works in centralised geographic locations to service a range of project sites within a greater Sydney and regional NSW context to the north, south and west.
- Both locations provide ready sealed access with close proximity to the wider public road network.
- Both locations provide existing facilities with weather protection for plant and equipment storage.
- Both locations provide existing utilities which can be optimised and removes the need to run new service connections.

2.2.2 Location

Chullora Proposal Area

The Chullora laydown area is located within the suburb of Chullora, New South Wales (NSW) and is located across the boundary of the Canterbury-Bankstown Local Government Area (LGA) and Strathfield LGA. The works would be situated on TAHE owned land within the Chullora Rail Yard (LOT 1/DP 883526) which is zoned SP2 – Infrastructure: Rail Infrastructure Facility under the Bankstown LEP (2015) and the Strathfield LEP (2012). Access would be via Worth Street and the existing internal road network. Refer to **Figure 1** and **Figure 2** for the location of the laydown area and proposed boundaries.

Sefton Proposal Area

The Sefton laydown area is located within the suburb of Sefton, New South Wales (NSW) in the Canterbury-Bankstown Local Government Area (LGA). The works would be situated on TAHE owned land within the Sefton Triangle (LOT 12/DP1007007) which is zoned SP2 – Infrastructure: Rail Infrastructure Facility under the Bankstown Local Environmental Plan (LEP) 2015. Access would be via Wellington Road and the existing rail crossing bridge. Refer to **Figure 3** and **Figure 4** for the location of the laydown area and proposed boundaries.

Both the Chullora and Sefton Proposal locations are within existing rail network facilities with the potential for access and operation to occur on a 24 hour/7 days per week basis depending upon factors including scheduled maintenance activities, rail possession works, oversized or scheduled deliveries or conducting emergency works as required in accordance with current land use and operational approvals and licencing provisions.

2.2.3 Construction details

Construction duration and working hours

The Proposal would be utilised from September 2024 until late December 2026.

The works would be undertaken during standard working hours (7:00am to 6:00pm Monday to Friday and 8:00am to 1:00pm Saturday). No works on Sundays or public holidays.

Works undertaken outside standard construction hours would be subject to prior approval via an TfNSW Out of Hours Works Application (OOHW) in accordance with the TfNSW *Construction Noise and Vibration Guideline – Public Transport Infrastructure* (EMF-NV-GD-0060).

Construction plant and equipment

The following construction plant and equipment would be utilised during operation of the Proposal as follows:

- Flatbed truck/s
- Light vehicle/s
- Hiab/forklift
- Powered hand tools
- Unpowered hand tools
- Equipment storage as detailed in the 'Scope of Works' section above
- Waste storage facilities, as outlined in Section 2.2.
- Chemical and hazardous materials storage facilities
- Portable office buildings and/or crib huts
- Ablution facilities

Construction personnel

The Proposal would require the presence of approximately 6-10 people during construction hours and 2-4 people during possession periods.

Impacts on utilities/authorities

There are a range of existing utilities within and surrounding the Proposal Areas including electricity, water and a range of services associated with the adjacent operational rail corridor. The Proposal would be serviced by existing utilities (power/gas/water) and no new connections would be required.

Existing lighting during standard working hours would be sufficient for the site and lighting towers would not be required. Lighting for out of hours works (where required) would be subject to an OOHW application.

Wastes generated

The Proposal would generate waste materials such as scrap steel, timber, packaging, general waste (i.e. food scraps, paper and cardboard, plastic) and wastewater from general operations including a contribution to sewer from ablution facilities.

Hazardous/dangerous goods

The Proposal would require the use of hazardous and dangerous goods such as fuel (petrol and diesel), paints and small quantities of assorted chemicals and cleaning products.

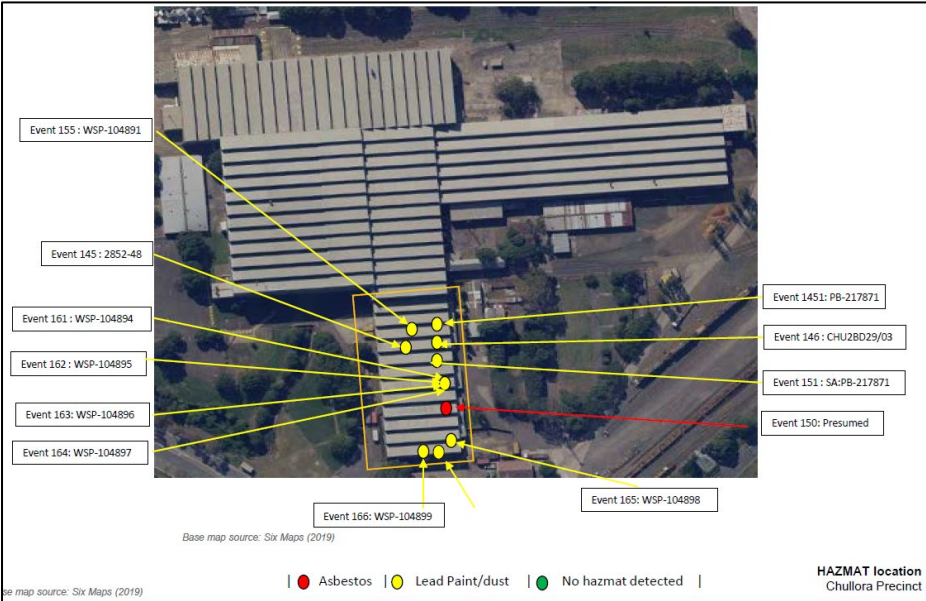
3. Site characteristics

Characteristic	Details
Land use	<p><u>Chullora Proposal Area</u> Refer to the 'Location' section above.</p> <p><u>Sefton Proposal Area</u> Refer to the 'Location' section above.</p>
Social context	<p>Surrounding land uses to the Proposal are summarized as follows:</p> <p><u>Chullora Proposal Area</u></p> <ul style="list-style-type: none"> • Adjacent rail network facilities and operations are located to the north. • Light Industrial areas are located to the east and the south. • Low density and medium density residential dwellings are located to the east. • A main arterial motorway (Remembrance Driveway - Hume Highway) runs adjacent to the site from the south to the east.

Characteristic	Details
	<p><u>Sefton Proposal Area</u></p> <ul style="list-style-type: none"> Industrial areas, with some low-density residential dwelling is located to the north. Light Industrial areas, low density residential and some high-density residential dwellings are located to the east and southeast. Low density and medium density residential dwellings are located to the south and southwest and industrial areas to the northwest. <p>There are no 'highly sensitive' (i.e. hospital, school) receivers located within close proximity to the Proposal Areas as detailed in Section 7.</p>
Flora and fauna	<p>The Proposal Areas are situated in a highly modified environments which has been previously cleared during the development of the railway and associated infrastructure.</p> <p>An EPBC Act Protected Matters Report was generated for the Chullora and Sefton Proposal Areas on 12th August 2024. The report identified that there are no Matters of National Environmental Significance (MNES) including World Heritage Properties, National Heritage Places, Wetlands of International Importance or Commonwealth Marine Areas within one kilometre of the Proposal (Refer to Appendix C).</p> <p><u>Chullora Proposal Area</u></p> <p>The EPBC Act Protected Matters Report identified seven (7) Threatened Ecological Communities (TEC), fifty-two (52) threatened flora & fauna species and seventeen (17) migratory species within one kilometre of the Proposal.</p> <p>A Bionet search undertaken on SEED map identified one (1) fauna species 'Not Listed as Threatened' and one (1) flora species listed as 'Endangered' within close proximity to the Proposal area as illustrated in Appendix D.</p> <p>These results are detailed below:</p> <ul style="list-style-type: none"> <i>Tilqua scincoides</i> (Eastern Blue Tongue) – Not Listed as Threatened Mapped approx. 250 metres to the north-west of the Proposal area <i>Populus nigra</i> (Lombardy Poplar) – Endangered Mapped approx. 250 metres to the north of the Proposal area <p><u>Sefton Proposal Area</u></p> <p>The EPBC Act Protected Matters Report identified six (6) Threatened Ecological Communities (TEC), fifty (50) threatened flora & fauna species and sixteen (16) migratory species within one kilometre of the Proposal.</p> <p>A Bionet search undertaken on SEED map identified two (2) flora species 'Not listed as Threatened' and one (1) flora species listed as 'Vulnerable' across four locations within close proximity to the Proposal area as illustrated in Appendix D.</p> <p>These results are detailed below:</p> <ul style="list-style-type: none"> <i>Melaleuca erubescens</i> (Pink Honeymyrtle) – Not Listed as Threatened Mapped approx. 50 metres to the east of the Proposal area <i>Dillwynia parvifolia</i> (Fabaceae) x 2 – Not Listed as Threatened Mapped approx. 10 metres to the east and 50 metres to the north-east of the Proposal area <i>Acacia pubescens</i> (Downy Wattle) – Vulnerable Mapped approx. 30 metres to the east of the Proposal area
Aboriginal Heritage	<p>An Aboriginal Heritage Information Management System (AHIMS) search was undertaken for both the Chullora and Sefton laydown areas on 12th August 2024.</p> <p><u>Chullora Proposal Area</u></p> <p>The searches did not identify any registered Aboriginal sites or Aboriginal places within a 400-metre buffer from the Proposal. The scope of works is not anticipated to take place within the vicinity of any item of Aboriginal Heritage.</p> <p><u>Sefton Proposal Area</u></p> <p>The searches did not identify any registered Aboriginal sites or Aboriginal places within a 200-metre buffer from the Proposal. The scope of works is not anticipated to take place within the vicinity of any item of Aboriginal Heritage.</p>

Characteristic	Details
Non-Aboriginal heritage	<p>A Non-Aboriginal heritage search of the NSW Government State Heritage Inventory (SHI) databases was undertaken for both the Chullora and Sefton laydown areas on 13th August 2024 to identify heritage items listed on the NSW State Heritage Register (SHR), Local Environmental Plans (LEP) and the TAHE s170 Heritage and Conservation Register as detailed in Heritage NSW Mapping in Appendix E and the NSW Government State Heritage Inventory (SHI) in Appendix F.</p> <p><u>Chullora Proposal Area</u></p> <p>The Proposal area is located within boundary of the 'Chullora Railway Workshops' which are not listed on the SHR, but are however listed as an s.170 item under the <i>Heritage Act 1977</i> and illustrated in the Chullora Workshops Conservation Management Plan in Appendix F. The listing identifies a range of buildings and features within the listing footprint with a grading of significance which ranges from 'high' to 'none'. The Proposal area is located:</p> <ul style="list-style-type: none"> Partially within the southern section of the 'Aircraft Annex (South)' – Reference number 21.1. In an area which intersects the perimeter of the 'Air Raid Shelter (by Substation)' boundary – Reference number 31.1. Between the 'Locomotive Workshop Gardens (East and West)' with a minimum offset distance of approx. 10 metres – Reference number F50. Approx. 10 metres to the south of the 'Executive Offices (Demolished)' – Reference number 45. Approx. 10 metres to the west of the 'Telephone Exchange (former Substation)' – Reference number 27. <p>The closest heritage item outside of the Proposal boundary is an LEP listed item located approximately 250 metres to the south- west of the Proposal site as detailed in Appendix E as follows:</p> <p>Heritage Name: Site of Royal Arms Inn LGA: CANTERBURY-BANKSTOWN LALC: METROPOLITAN Listing No: A2 Gazette Date: 05/03/2015</p> <p><u>Sefton Proposal Area</u></p> <p>There is one Non-Aboriginal Heritage site within close proximity to the Proposal. The Sefton Junction Substation is recorded as an LEP and s.170 heritage listed item and is centrally located within the area of land named the 'Sefton Triangle' as illustrated in Appendix E.</p> <p>The Sefton Junction Substation is the closest listed heritage item and it is separated from the footprint of the proposed Sefton laydown area boundary by approximately 10 metres. The details of this listing are outlined in the heritage listing record in Appendix F and summarised as follows:</p> <p>Local Environmental Plan Heritage Name: Sefton Junction Substation LGA: CANTERBURY-BANKSTOWN LALC: GANDANGARA Listing No: I33 Gazette Date: 05/03/2015</p>
Hydrology and flooding	<p>The Proposal Areas at both the Chullora and Sefton locations are positioned in highly modified industrial landscapes. The ground surfaces consist of a mix of sealed (concrete and bitumen) and compacted hardstand (dirt and gravel).</p> <p>Surface water run-off would generally be collected into existing sub-surface pit and pipe track drainage infrastructure to manage stormwater flows through and around the sites.</p> <p><u>Chullora Proposal Area</u></p> <p>The Proposal is located within the "Greenacre Park catchment", one of four catchment areas that drain to the Upper Cooks River, which flows to Botany Bay through the Cooks River. The catchment commences near Greenacre Road and flows in a northerly direction to the Hume Highway. From the Hume Highway, the catchment drains through the Chullora Workshops to join the Upper Cooks River approx. 400 metres to the north of the Proposal.</p>

Characteristic	Details
	<p>The Bankstown City Council Greenacre Park Stormwater Catchment Flood Study (2009) by Bewsher Consulting Pty Ltd details that the majority of the Chullora Stabling Yard becomes inundated in flood events as frequent as the 20-year Average Recurrence Interval (ARI) event, with high hazard flooding on the site during a Probable Maximum Flood (PMF) event and is applicable to the Proposal area.</p> <p>In a 20-year ARI event, the majority of the site becomes inundated with a flood depth up to 1m and reaching up to 2m in isolated areas of the site. In a PMF, the entire site becomes inundated by floodwater with flood depths of up to 2m, with the potential to reach up to 4m in isolated areas of the site. In either event, the access road to the Proposal Area may be cut at the intersection of the Hume Highway and Worth Street making access and egress unsafe for vehicles and people.</p> <p><u>Sefton Proposal Area</u></p> <p>The Proposal is located within the Duck River catchment area which commences near Bankstown and Condell Park. The area drains north through a system of stormwater pipes and open drains to the Sydney Water Supply Pipeline at Sefton, which is the boundary between Bankstown City and Parramatta City. From here, a more natural watercourse continues through the Parramatta Local Government Area to eventually join the Parramatta River approx. 5.5 kilometres to the north of the Proposal.</p> <p>The Bankstown City Council Duck River Stormwater Catchment Flood Study (2009) by Bewsher Consulting Pty Ltd details that the Sefton Stabling Yard remains above the peak flood depth in a 100-year ARI design storm event. A minor portion of the site is subject to a flood depth up to 0.25 metres during a PMF design storm event.</p> <p>In either event, the access/egress from the Proposal site to Wellington Road would be maintained via the Sefton Triangle access road which is anticipated to remain safe for vehicles and people.</p>
Soils and contamination	<p><u>Contaminated Land</u></p> <p>A search of the NSW EPA contaminated land register was undertaken on the 12th August 2024 for the Canterbury-Bankstown Council and the Strathfield Municipal Council LGA's. The searches did not identify any recorded contaminated sites within proximity of either Proposal area.</p> <p><u>Chullora Proposal Area</u></p> <p>The Chullora Railway Workshops, which includes the Chullora Proposal Area, is registered as a notified site under the <i>Contaminated Land Management Act 1997</i> (CLM Act) developed by the NSW EPA. The status of the site is 'Regulation under the CLM Act not required' and details that the EPA has completed an assessment of the contamination and decided that regulation under the CLM Act is not required.</p> <p>Multiple environmental investigations have been undertaken on the land that currently comprises the Chullora Railway Workshops including whole of site assessments and localised assessments for both soil and groundwater for a range of common contaminants. The results identified the presence of contamination (and associated risks to human health and /or the environment) would not be likely or preclude the on-going industrial land use at the Site.</p> <p>The <i>Chullora Precinct - Hazardous Building Materials Report</i> was prepared by WSP for the Building: 1.10, 1.11 and 1.12 in the Locomotive Workshop.</p> <p>The report incorporated the Sydney Trains Hazardous Material Register (register issue date: 30 March 2022) for the Locomotive Workshop (1.10, 1.11, 1.12). This report includes the section of the Proposal identified for use within Building 1.12 (Aircraft Annex – South).</p> <p>The Hazardous Building Materials Report documented the location, description and risk profile for asbestos and lead paint/dust contamination for the internal and external areas of the building with the results illustrated in Figure 6 below.</p> <p>Lead paint contamination was identified at two (2) internal building locations (Event 165: WSP-104898 – Metal structural supports) and (Event 166: WSP-104899 – Lower brick walls) at the southern extent of Building 1.12 within the Proposal area. The <i>Sydney Trains: Lead Management Control Plan – Chullora Precinct (March 2022)</i> was developed by WSP to manage nominal occupation and activities undertaken at the site.</p> <p>Asbestos contamination identified at one (1) location (Event 150: Presumed) for an electrical backing board is located in close proximity approximately 20 metres from the Chullora laydown area boundary at the closest point, and would not be impacted by the Proposal.</p>

Characteristic	Details
	 <p>Figure 6 – Chullora Precinct: Hazardous Building Materials Report – Building 1.12</p> <p><u>Sefton Proposal Area</u></p> <p>The Sefton Proposal Area is not registered as a notified site under the CLM Act. No specific soil and contamination technical reports were identified for review of the Proposal at the Sefton Proposal Area.</p> <p>Given the historic land use as an operational rail facility it is assumed there is potential for soil and groundwater contamination to be present at the site.</p> <p><u>Acid Sulfate Soils (ASS)</u></p> <p>The Chullora Proposal Area is positioned in a location mapped as a Class 5 area with a low likelihood of occurring within the portion of site positioned within the Strathfield Municipal Council LGA's. The Proposal Area positioned in the Canterbury-Bankstown Council LEP is mapped as not containing ASS.</p> <p>The Sefton Proposal Area is positioned in a location which is mapped as not containing ASS in the Canterbury-Bankstown Council LEP.</p>

4. Control measures

Characteristic	Yes	No
Will a project and site specific EMP be prepared?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All mitigation measures would be implemented as required in accordance with the TfNSW Environment & Sustainability Management Framework (ESMF), TfT Rail Infrastructure Upgrades Construction Environmental Management Plan (CEMP) and the approved Project Environmental Control Maps (ECM).		
Are appropriate control measures already identified in an existing EMP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Yes, as above.		

5. Legislative framework

The *Environmental Planning & Assessment Act 1979* (EP&A Act) establishes the system of environmental planning and assessment in NSW. Division 5.1 specifies the environmental impact assessment requirements for activities undertaken by public authorities, such as Transport for NSW (Transport), which do not require development consent under Part 4 of the EP&A Act.

Division 15, Section 2.92 and Section 2.93 of the *State Environmental Planning Policy (Transport and Infrastructure) 2021* (SEPP (Transport and Infrastructure)) allows for the development of 'rail infrastructure facilities' by or on behalf of a public authority without development consent on any land. Consequently, development consent is not required for the Proposal however, the environmental impacts of the Proposal have been assessed under the provisions of Division 5.1 of the EP&A Act.

Section 171 of the Environmental Planning & Assessment Regulation 2021 (EP&A Regulation) sets out the environmental factors which must be considered when determining if an activity assessed under Division 5.1 of the *Environmental Planning & Assessment Act 1979* (EP&A) has or is likely to have a significant impact on the environment.

The purpose of this impact assessment checklist is to provide an environmental impact assessment which takes into account to the fullest extent possible all matters affecting or likely to affect the environment by reason of that activity, fulfilling the requirements of section 5.5 of the EP&A Act, the EP&A Regulation and the Guidelines for Division 5.1 Assessments (DPE, 2022). **Appendix A** specifically responds to the environmental factors for consideration under Section 171 of the EP&A Regulation.

The (Commonwealth) EPBC Act provides a legal framework to protect and manage nationally and internationally important flora, fauna, ecological communities and heritage places - defined in the EPBC Act as 'matters of National Environmental Significance (NES)'. The EPBC Act requires the assessment of whether the Proposal is likely to significantly impact on matters of NES or Commonwealth land. These matters are considered in full in **Appendix B**.

As the Proposal would not or is not likely to have a significant impact on any matters of NES or on Commonwealth land, a referral to the Commonwealth Minister for the Environment is not required.

6. Engagement

The community would be informed about the Proposal via the community notification process detailed in the Transport for Tomorrow Rail Infrastructure Upgrades Community Liaison Management Plan (CLMP) in consultation with the requirements agreed with the Transport Community and Stakeholder Engagement team.

The Transport for NSW email address [Redacted], Transport for NSW Infoline (1800 684 490) and 24-hour Construction Response Line (1800 775 465) would continue to be available during the construction phase. Targeted notification methods, such as the use of letters, notifications, signage and verbal communications, would be provided when necessary. The Transport for NSW Rail Infrastructure Upgrades project website ([Rail Infrastructure Upgrades project | Transport for NSW](#)) would also include updates on the progress of construction.

Sefton Proposal Area

Consultation has been completed with Sydney Trains via the Tft MTMS Project to occupy the Sefton Compound area until the end of March 2025 and would address the use of the Sefton laydown area detailed in this Proposal. Further use by Tft beyond this period would be subject to further consultation.

The community and surrounding receivers have been, and will continue to be, notified of the use of this area for Tft project delivery and the use of this area for the purpose of this Proposal would be addressed by this ongoing engagement.

Chullora Proposal Area

Consultation has been conducted with the Sydney Trains Precinct Manager via the Transport interface representative and an agreements have been obtained from the respective land owners to permit occupation of the Proposal Areas. Consultation and community notifications regarding the use of the Chullora laydown area would be undertaken in accordance with the Tft Rail Infrastructure Upgrades Community Liaison Management Plan (CLMP) and in consultation with the Transport Community Stakeholder Engagement team prior to works commencing.

6.1 SEPP (Transport and Infrastructure) consultation

Sections 2.10-2.15 of the SEPP (Transport and Infrastructure) require that public authorities undertake consultation with councils and other agencies when proposing to carry out development without consent. Table 6-1 provides details of consultation requirements and outcomes for the Proposal under the SEPP (Transport and Infrastructure).

Table 6-1: Summary of SEPP (Transport and Infrastructure) consultation requirements

Section	Description	Relevance to the proposal
2.10	Consultation with councils- development with impacts on council-related infrastructure or services	There is no proposed impact to council related infrastructure and services. Therefore, consultation with Councils is not required.
2.11	Consultation with councils- development with impacts on local heritage	There is no proposed impact to council related heritage items. Therefore, consultation with Councils is not required.
2.12	Consultation with councils- development with impacts on flood liable land	<p>As detailed in Section 3, the Chullora Proposal Area is located within the Chullora Stabling Yard which is located on flood liable land that becomes inundated in flood events as frequent as the 20-year ARI event, with high hazard flooding on the site during a PMF.</p> <p>The Sefton Proposal Area located within the Sefton Triangle remains above the peak flood depth in a 100-year ARI design storm event. A minor portion of the site is subject to a flood depth up to 0.25 metres during a PMF design storm event.</p> <p>The assessment of potential environmental impacts in Section 7 outlines that the Proposal would not change flood patterns by more than a minor extent so consultation with Council is not deemed necessary.</p>
2.13	Consultation with State Emergency Service (SES) - development with impacts on flood liable land	<p>As detailed in Section 3, the Chullora Proposal Area is located within the Chullora Stabling Yard which is located on flood liable land that becomes inundated in flood events as frequent as the 20-year ARI event, with high hazard flooding on the site during a PMF.</p> <p>The Sefton Proposal Area located within the Sefton Triangle remains above the peak flood depth in a 100-year ARI design storm event. A minor portion of the site is subject to a flood depth up to 0.25 metres during a PMF design storm event.</p> <p>Whilst there is the potential for flooding impacts, the Proposal would not comprise more than minor and temporary alterations to activities at either site. This would not result in development with an impact upon flood prone land nor have the potential for changes to land use which either exacerbates existing flood risk or creates new flood risk for communities in NSW.</p> <p>As such consultation with the SES is not deemed necessary.</p>
2.14	Consultation with councils- development with impacts on certain land within the coastal zone	There is no proposed impact to land within a coastal zone. Therefore, consultation with Councils is not required.

Section	Description	Relevance to the proposal
2.15	Consultation with public authorities other than councils	No consultation is required with public authorities listed in this section.
2.122	Traffic generating development	No consultation required as there would not be any development with the potential to impact upon generation of traffic impacts beyond those associated with operation of the existing facilities.

7. Impact assessment

7.1 Construction

An environmental impact assessment associated with the construction of the Proposal is provided in Table 7-1.

Table 7-1: Construction impact assessment for the Proposal

Aspect	Nature and extent of impacts (negative and positive) during construction if control measures implemented	Control measures	Endorsed (for Rail Development and Delivery E&S use only)		
			Yes	No	Comments
General	The nature and extent of impacts are detailed below. General Environmental Management Control measures would be implemented as applicable.	<p>5. A project wide Construction Environmental Management Plan (CEMP) (or equivalent as agreed by the Transport Director Environment & Sustainability) shall be prepared or updated as required by the Contractor in accordance with the relevant requirements of the Contract, Conditions of Approval, Control Measures, any conditions of any licences, permits or other approvals issued by government authorities for the Proposal, all relevant legislation and regulations, and accepted best practice management. The CEMP shall comply with the relevant requirements of Environmental Management Plan Guideline, NSW Department of Planning, Industry and Environment, 2020) and be approved by Transport Director Environment & Sustainability (DES) prior to the commencement of construction and following any revisions made throughout construction. The CEMP must be implemented for the duration of construction.</p> <p>6. An Environmental Controls Map (ECM) shall be prepared in accordance with Transport's Environmental Control Map Guideline (EMF-EM-GD-0148) prior to the commencement of construction for implementation for the construction unless otherwise agreed with the TESR. The ECM is to be approved by the TESR and may be prepared in stages, as set out in the CEMP.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Aspect	Nature and extent of impacts (negative and positive) during construction if control measures implemented	Control measures	Endorsed (for Rail Development and Delivery E&S use only)		
			Yes	No	Comments
Flora and fauna		<p>7. Any modifications to the Proposal if approved, would be subject to further assessment and approval by Transport. This assessment would need to demonstrate that any environmental impacts resulting from the change have been minimised. The further assessment must be submitted to Transport 6 weeks prior to commencement of works relating to the modification and approved prior to the commencement works.</p> <p>8. Prior to the commencement of construction, all contractors shall be inducted on the key project environmental and sustainability risks, procedures, mitigation measures and conditions of approval. As part of the site induction, a heritage induction would be provided to workers informing them of the location of known heritage items and guidelines to follow if unexpected heritage items or deposits are location during construction.</p>			
	<p><u>Chullora</u></p> <p>The EPBC Act Protected Matters Report identified seven (7) Threatened Ecological Communities (TEC), fifty-two (52) threatened flora & fauna species and seventeen (17) migratory species within one kilometre of the Proposal area (Appendix C).</p> <p>The Bionet search undertaken on Seed mapping (Appendix D) listed historical sightings of a <i>Tilqua scincoides</i> (Eastern Blue Tongue) and a <i>Populus nigra</i> (Lombardy Poplar). Both sightings were recorded approximately 250 metres from the Proposal area.</p> <p>There are no areas listed under the Coastal Management SEPP 2018 within 500 metres or areas identified as having biodiversity value within 300 metres of the Proposal.</p> <p>There are a number of mature trees and grassed lawn areas within the Proposal area as detailed in Figure 1 and Figure 2, and in close proximity to the site including the heritage registered 'Locomotive Workshop Gardens (East and West)' detailed in Section 3 above and Appendix F.</p>	<p>9. Construction of the Proposal would be undertaken in accordance with the Biodiversity Management Guideline (EMF-BD-GD-0039).</p> <p>10. Install, sign-post, monitor and maintain Tree Protection Zones (TPZ) where there is potential for damage from construction activities associated with the Proposal.</p> <p>11. All existing flora and fauna control measures associated with external operations (including existing TPZ's) would be observed and would not be impacted/changed without prior approval from the TfT environmental representatives.</p> <p>12. Construction plant, equipment and materials would not be permitted to be stored within designated TPZ's or within tree drip lines.</p> <p>13. Should there be a need to prune or remove any vegetation, approval would be obtained from TfNSW</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Aspect	Nature and extent of impacts (negative and positive) during construction if control measures implemented	Control measures	Endorsed (for Rail Development and Delivery E&S use only)		
			Yes	No	Comments
	<p>No clearing or impact to any of this vegetation is required to achieve the proposed scope.</p> <p><u>Sefton</u></p> <p>The EPBC Act Protected Matters Report identified six (6) Threatened Ecological Communities (TEC), fifty (50) threatened flora & fauna species and sixteen (16) migratory species within one kilometre of the Proposal (Appendix C).</p> <p>The Bionet search undertaken on SEED mapping (Appendix D) listed historical sightings at one location for <i>Melaleuca erubescens</i> (Pink Honey Myrtle), one location for <i>Acacia pubescens</i> (Downy Wattle) and two locations for <i>Dillwynia parvifolia</i> (Fabaceae) which are the closest mapped sightings approx. 10 metres to the east and 50 metres to the north-east of the Proposal area.</p> <p>There are no areas listed under the Coastal Management SEPP 2018 or identified as having biodiversity value within the 150 metres of the Proposal as detailed in the buffer zone within the SEED mapping.</p> <p>There are a number of mature trees within the Proposal area as detailed in Figure 3 and Figure 4, and in close proximity to the site including the original landscaping features and numerous palm trees associated with the heritage listing for the Sefton Junction Substation detailed in Section 3 above and Appendix F.</p> <p>No clearing or impact to any of this vegetation is required to achieve the proposed scope.</p> <p>The Proposal areas at both the Chullora and Sefton laydown locations would utilise the existing Sydney Trains operational rail facilities within the established buildings and hardstand sites as detailed in Section 2.1.</p> <p>Vegetation removal and/or trimming is not currently required for site access and egress, site establishment or conducting the scope of work associated with Proposal in Section 2.2. In addition, the Proposal would not result in the relocation or removal of any fauna habitat features (i.e. hollow bearing logs, nest boxes, built structures).</p>	<p>in accordance with the Removal or Trimming Vegetation Application (EMF-EM-TT-0144).</p> <p>14. If encountered, avoid fauna and contact Supervisor/Environment Representatives. Contact WIRES in the event of injured wildlife.</p>			

Aspect	Nature and extent of impacts (negative and positive) during construction if control measures implemented	Control measures	Endorsed (for Rail Development and Delivery E&S use only)		
			Yes	No	Comments
Water and flooding	<p>All existing vegetation within and surrounding the Proposal areas would be maintained and protected throughout the duration of use via the nominated control measures.</p> <p>As such the Proposal would not result in any impact to flora or fauna including the sensitive items identified in the desktop searches detailed in Section 3.</p>				
	<p>The Proposal areas at both the Chullora and Sefton laydown locations would utilise the existing Sydney Trains operational rail facilities within the established buildings and hardstand sites detailed in Section 2.1.</p> <p>The Proposal would not result in any change to the existing site elevations, would not require activities which result in ground disturbance and would not change the water regime or hydraulic features of the sites including surrounding flood levels and patterns.</p> <p>All water flows within the sites would be maintained through current overland flow paths and stormwater infrastructure such as building gutters and downpipes, roadside kerb and gutter and stormwater pits etc.</p> <p>The Chullora laydown yard has the potential to be significantly impacted through inundation in flood events as frequent as the 20-year ARI event, with high hazard flooding on the site during a PMF as detailed in Section 3.</p> <p>The NSW State Emergency Service (NSW SES) is the agency responsible for dealing with floods, storms and tsunami in NSW. This role includes, planning for, responding to and coordinating the initial recovery from floods. The NSW SES previously completed a flood risk assessment for the Chullora Stabling Yard in which the Proposal is located, and provided advice to Transport to mitigate the exposure for people at the site during such events. Implementation of control measures would minimise this risk.</p> <p>The Sefton Stabling Yard would remain above the peak flood depth in a 100-year ARI design storm event. A minor portion of the site is subject to a flood depth up to 0.25 metres during a PMF design storm event. As such it is highly unlikely that use of the area would be impacted by flooding during the proposed period of use.</p>	<p>15. Consider the impact of flooding on evacuation routes, up to and including the PMF and include specific management measures within the site induction and site risk register. The evacuation route may be cut by localised flooding, which could see evacuation from the area not completed in time. The problem of localised closure of roads due to inadequate stormwater capacity can be critical if the available warning and evacuation time is short.</p> <p>16. Ensure workers and people using the site during and after the upgrades are aware of the flood risk, for example by using signage and checking the Bureau of Meteorology website prior to the start of the work commencing and throughout each day to ensure workers are not exposed to the flood risk at the site.</p> <p>17. In the event that flood warnings are issued the Proposal area would be secured and/or demobilised of construction plant, equipment and materials to the greatest extent possible.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Aspect	Nature and extent of impacts (negative and positive) during construction if control measures implemented	Control measures	Endorsed (for Rail Development and Delivery E&S use only)		
			Yes	No	Comments
Air quality	<p>The Proposal at both locations has the potential to generate temporary and localised air quality impacts from the emission of exhaust from operation of construction vehicles, plant and equipment.</p> <p>Minor amounts of dust may be generated from the access and egress of construction vehicles on unsealed hardstand areas and during handling of waste materials such as spoil.</p> <p>Potential impacts of exhaust emissions and dust generation from construction plant and equipment are considered to be minor due to the minimal plant required and the open air conditions in which they would operate that allow for free dispersal of emissions.</p>	<p>18. Plant and machinery will be regularly checked and maintained in a proper and efficient condition.</p> <p>19. Dust-generating work during periods of high wind reprogrammed or water applied for dust suppression.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Soils and contamination	<p>A review of the NSW EPA contaminated land register undertaken on the 12th August 2024 for the Canterbury-Bankstown Council and the Strathfield Municipal Council LGA's did not identify any recorded contaminated sites within proximity to either Proposal Area.</p> <p>The Canterbury-Bankstown Council LEP and NSW Planning Portal mapping of the Strathfield Municipal Council LGA indicates that the Proposal sites are in areas with a low likelihood containing ASS.</p> <p>Chullora</p> <p>Historical environmental investigations undertaken on the land comprising the Chullora Railway Workshops have assessed the site soil and groundwater for a range of common contaminants. The results identified the presence of contamination (and associated risks to human health and /or the environment) would not be likely or preclude the on-going industrial land use at the Site.</p> <p>The <i>Chullora Precinct - Hazardous Building Materials Report</i> prepared by WSP assessed the section of the Proposal identified for use within Building 1.12 (Aircraft Annex – South) as detailed in Section 3.</p> <p>The report identified Lead paint contamination at two (2) internal building locations (Event 165: WSP-104898 – Metal structural supports) and (Event 166: WSP-104899 – Lower brick walls) at the southern extent of Building 1.12. Asbestos contamination identified at one (1) location (Event 150: Presumed) for an electrical backing</p>	<p>20. All workers who use the site would be inducted to communicate the presence and extent of lead areas, lead risks and safe working practices.</p> <p>21. If previously unidentified contamination (excluding asbestos) is discovered during construction, work in the affected area must cease immediately, and the event must be reported in accordance with the Transport <i>Environmental Incident Procedure</i> (EMF-EM-PR-0001).</p> <p>22. If previously unidentified asbestos contamination is discovered during construction, work in the affected area must cease immediately and the event must be reported in accordance with the Transport <i>Environmental Incident Procedure</i> (EMF-EM-PR-0001).</p> <p>23. Unidentified asbestos contamination is discovered during construction would be managed in accordance with the Transport <i>Asbestos in Soils Management Procedure v4.1</i> (EIA-P05-02-T04)</p> <p>24. All spills will be managed and reported in accordance with the Transport <i>Chemical Storage and Spill Response Guideline</i> (EMF-EM-GD-0137).</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Aspect	Nature and extent of impacts (negative and positive) during construction if control measures implemented	Control measures	Endorsed (for Rail Development and Delivery E&S use only)		
			Yes	No	Comments
	<p>board is located in close proximity approximately 20 metres from the Chullora laydown area boundary at the closest point.</p> <p>The <i>Sydney Trains: Lead Management Control Plan – Chullora Precinct (March 2022)</i> was developed by WSP to manage nominal occupation and activities undertaken at the site.</p> <p><u>Sefton</u></p> <p>The Sefton Proposal Area is not registered as a notified site under the CLM Act. No specific soil and contamination technical reports were identified for review of the Proposal at the Sefton Proposal Area.</p> <p>Both Proposal Areas are located within a highly disturbed operational rail environment with potential for the presence of historical subsoil and/or groundwater contamination from the deposition of underlying fill materials, on-site use of hazardous materials and leaks/spills of fuels and chemicals etc.</p> <p>There is no excavation or alteration to existing built structures associated with the Proposal, hence the risk of intercepting historical soil or groundwater contamination, encountering ASS, or generating lead paint or asbestos contaminated waste from site is considered to be unlikely.</p> <p>There is the potential for use of the Proposal area to result in a negligible-minor increase in the likelihood of impacts to soil and groundwater through incidental fuel and/or oil spills associated with the operation of the nominated plant and equipment.</p> <p>Implementation of the proposed control measures would limit the potential for impacts as a result of spills of hazardous materials.</p>				
Noise and vibration	<p>Noise</p> <p>The Proposal at both locations has the potential to generate noise from the operation of plant and equipment during standard daytime working hours for the nominated scope in Section 2.</p> <p>This noise output is consistent with the existing and intended use as a hardstand yard area within an operational rail corridor.</p> <p>No high impact noise generating activities would be carried out as part of the Proposal (i.e. jackhammering, piling).</p>	<p>25. Noise and vibration mitigation measures would be applied in accordance with the <i>Transport Construction Noise & Vibration Guideline (Public Transport Infrastructure)</i> (EMF-NV-GD-0060).</p> <p>26. In the event that OOHW are required, further assessment would be undertaken and an OOHW application submitted via the online OOHW application system for approval by the Transport</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Aspect	Nature and extent of impacts (negative and positive) during construction if control measures implemented	Control measures	Endorsed (for Rail Development and Delivery E&S use only)		
			Yes	No	Comments
	<p>The nearest sensitive receivers to the Sefton laydown area are residential properties located approximately 80 metres to the south. The rail corridor for the T2 and T3 lines and Wellington Road are situated between the Proposal and the residential properties and are considered to be the dominant noise sources at this location.</p> <p>The nearest sensitive receiver to the Chullora laydown area is a residential property located at 46 Lawford Street, <insert suburb> approximately 170 metres to the east of the Proposal at the closest point. A rail siding within the operational rail corridor and a major six lane arterial road (Hume Highway / Remembrance Driveway) are situated between the Proposal and the property and are considered to be the dominant noise sources at this location..</p> <p>In the event that works associated with the Proposal are required to be conducted as OOHW in association with scheduled rail possessions, they would be subject to a separate OOHW approval by Transport prior to commencement of any such work.</p> <p>Vibration</p> <p>No vibration impacts are anticipated due to the absence of vibration-intensive machinery, and plant and machinery are not proposed for use in close proximity to any sensitive structure or dwelling.</p> <p>Conclusion</p> <p>It is deemed that the Proposal would not contribute to cumulative noise levels which would elevate existing background noise levels from works associated with the current operational use of the Chullora Railway Workshops and Sefton Triangle sites.</p> <p>The noise outputs from the Proposal at both locations would be considered to have a negligible contribution and be inaudible at the nearest sensitive receivers.</p> <p>The Proposal would not generate vibration with the potential to cause structural damage to any built structures including heritage listed items, nor generate vibration which may impact human comfort levels at the nearest sensitive receivers.</p> <p>The nominated control measures would be sufficient to manage the potential noise and vibration impacts for the duration of use.</p>	<p>prior to OOHW being undertaken. The community would be notified in line with the Transport's Construction Noise and Vibration Guideline (Public Transport Infrastructure) (EMF-NV-GD-0060) and the TfNSW Standard Requirements.</p>			

Aspect	Nature and extent of impacts (negative and positive) during construction if control measures implemented	Control measures	Endorsed (for Rail Development and Delivery E&S use only)		
			Yes	No	Comments
Aboriginal heritage	<p>An Aboriginal Heritage Information Management System (AHIMS) search was undertaken for both the Chullora and Sefton Proposal Areas on 12th August 2024.</p> <p>The searches did not identify any registered Aboriginal sites or Aboriginal places within a 400-metre buffer from the Chullora laydown area and within a 200-metre buffer from the Sefton laydown area. The scope of works is not anticipated to take place within the vicinity of any item of Aboriginal Heritage.</p> <p>It is noted the sites are not located within a landscape feature likely to indicate the presence of Aboriginal objects in accordance with the Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales (OEH 2010).</p> <p>The scope of work associated with the Proposal would be located entirely within the existing approved site boundaries and facilities. There is no ground disturbance or vegetation clearing required for the activities detailed in this Proposal.</p> <p>Given the extensive historical landscape modification that has occurred within the Proposal areas from the construction and operation of the rail corridor, it is consider unlikely that any unregistered Aboriginal heritage items would be present or be identified by the work. Nevertheless, an unexpected finds protocol would be implemented during works to minimise the potential for impacts to undocumented Aboriginal objects.</p>	27. If previously unidentified or unexpected Aboriginal heritage items are uncovered during construction, the procedures contained in the Transport <i>Unexpected Heritage Finds Procedure</i> (EMF-HE-PR-0076) would be followed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Non-Aboriginal heritage	<p><u>Chullora</u></p> <p>The Proposal area is located within boundary of the 'Chullora Railway Workshops' which is listed as an s.170 item under the <i>Heritage Act 1977</i> and illustrated in Appendix F.</p> <p>There are a range of buildings and features within the listing footprint detailed in Section 3 and the Proposal is partially located within the southern section of the 'Aircraft Annex (South)' and immediately adjacent to the 'Air Raid Shelter (by Substation)'.</p> <p><u>Sefton</u></p> <p>There is one Non-Aboriginal Heritage site within close proximity to the Proposal. The Sefton Junction Substation is recorded as an LEP and s.170 heritage listed item and is separated from the footprint of</p>	<p>28. All contractors and staff must be briefed on site-specific heritage issues prior to commencing works including the preservation of artefacts and items of heritage value. A further briefing will be conducted for any project changes.</p> <p>29. Any accidental damage caused to heritage items/fabric must be reported immediately in accordance with the Transport <i>Environmental Incident Procedure</i> (EMF-EM-PR-0001) and managed in accordance with specialist heritage advice.</p> <p>30. Measures including physical protection, exclusion zones, demarcation and signage would be installed around the perimeter of any heritage items</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Aspect	Nature and extent of impacts (negative and positive) during construction if control measures implemented	Control measures	Endorsed (for Rail Development and Delivery E&S use only)		
			Yes	No	Comments
	<p>the proposed Sefton laydown area boundary by approximately 10 metres.</p> <p>The scope of work would take place within, and in close proximity to the above listed heritage items, however there are no activities proposed which would result in an impact to heritage fabric or change to their grading of significance.</p> <p>Implementation of the nominated control measures would limit the potential for heritage impacts as a result of the Proposal.</p>	<p>(including significant trees) during work with the potential to result in impact and shown on the relevant ECM.</p> <p>31. If previously unidentified or unexpected archaeological items are uncovered during construction, the procedures contained in the Transport <i>Unexpected Heritage Items Procedure</i> (EMF-HE-PR-0076) would be followed.</p>			
Community and socioeconomic	<p>The Proposal would not result in an increase to community and socioeconomic impacts at either site due to the activities being small scale, temporary and in-line with the existing operation and land use.</p> <p>The community would be informed about the Proposal via the community notification process detailed in the Project Community Liaison Management Plan (CLMP) in consultation with the requirements agreed with the Transport Community and Stakeholder Engagement team as detailed in Section 6.</p>	<p>32. Targeted notification methods, such as the use of letters, notifications, signage and verbal communications would be provided when necessary in consultation with the Transport Community and Stakeholder Engagement team.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Traffic and parking	<p>There is the potential for the Proposal at each location to result in a negligible-minor increase in traffic impacts due to intermittent use of the local road network for site access and egress from the plant and equipment nominated in Section 2.2.3 above.</p> <p>Vehicle movements and deliveries would be relatively low in volume in comparison to the traffic volumes generated by the surrounding road network, and would not meaningfully add to the traffic volume accessing and egressing site.</p> <p>Vehicle movements and deliveries associated with the Proposal would be comprised of a combination of travel routes as follows:</p> <ul style="list-style-type: none"> To and from a site team members place of origin, or supplier dispatch location to the respective laydown area. From the respective laydown area to approved site/s associated with the Project. From approved site/s associated with the Project back to the respective laydown area. 	<p>33. A Vehicle Movement Plan (VMP) would be prepared to detail traffic and pedestrian management, heavy vehicle routes and parking restrictions for project workers and delivery drivers.</p> <p>34. The parking of all vehicles and storage of equipment associated with the Proposal must be conducted within the approved site boundaries, designated parking locations and established hardstand areas as stipulated in the site-specific ECM.</p> <p>35. No parking or 'layover' of delivery vehicles is permitted on the public road network without prior approval from the relevant road authority (where required).</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Aspect	Nature and extent of impacts (negative and positive) during construction if control measures implemented	Control measures	Endorsed (for Rail Development and Delivery E&S use only)		
			Yes	No	Comments
	<ul style="list-style-type: none"> From one respective laydown area to another. <p>The parking of all vehicles and equipment associated with the Proposal would be conducted within boundaries nominated in Section 2 and site-specific ECM to avoid impact to on-street parking in the surrounding area and environmentally sensitive areas (i.e. heritage sites, TPZ's).</p> <p>Given the intermittent nature of vehicle movements and the temporary use of the laydown areas, it is considered that the traffic and parking impacts associated with the Proposal would be negligible.</p>				
Waste and resource management	<p>The Proposal at both locations would result in a minor increase in the generation of waste and the amount of resources consumed. This would include general waste streams (food scraps, packaging, paper and cardboard etc.) as well as a small volumes of timber, scrap metal and plastic. There would also be a small increase in electricity, gas and water use from daily operations.</p> <p>The laydown areas would be utilised for temporary storage of waste materials within contained receptacles i.e. skip bins/bulker bags.</p> <p>The stockpiling or storage of bulk waste items is not required for the Proposal.</p> <p>The risk of cross-contamination of Proposal waste with that from other uses within the operational rail network at Chullora and Sefton would be mitigated through appropriate delineation (such as temporary fencing and barriers), signage, monitoring and securing of stored material in bins/bulker bags, etc. the proposed areas at Chullora and Sefton (refer figures 1, 2, 3 and 4) are also physically separated from operational railway works via permanent fencing and existing buildings to restrict potential interface with operational rail activities. Waste material will be tracked via the project waste tracking system and form part of the monthly project reporting to Transport. Any waste material will aim to be removed within 1 month of being brought to the Proposal area.</p> <p>The waste and resource usage for the Proposal would result in a negligible increase beyond the baseline use requirements to deliver the Project. Control measures would be implemented to manage the</p>	<p>36. All generated waste must be classified in accordance with the EPA's Waste Classification Guidelines and disposed of to a licensed facility, with appropriate records and disposal dockets retained for audit purposes and reporting to Transport.</p> <p>37. All recyclable waste would be recycled where practicable.</p> <p>38. The following actions in relation to minimising waste during construction would be considered:</p> <ul style="list-style-type: none"> waste avoidance, including action to reduce the amount of waste generated resource recovery, including re-use, recycling, reprocessing and energy recovery waste disposal, including management of all disposal options in the most environmentally responsible manner and in line with legislative requirements. <p>39. Waste storage facilities (i.e. skip bins, bulker bags, general waste bins) would be appropriately delineated, sign posted, monitored and secured to minimise the potential for cross contamination from activities associated with the Proposal and that of other project uses within the operational rail network.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Aspect	Nature and extent of impacts (negative and positive) during construction if control measures implemented	Control measures	Endorsed (for Rail Development and Delivery E&S use only)		
			Yes	No	Comments
Economic	impacts of waste and resource management for the duration of site use.				
	There would be no negative or positive economic impacts associated with the Proposal.	Nil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Visual and urban design	The Proposal would not result in any change to the visual characteristics of the site or discernible change in urban design for surrounding receivers at either location, and the areas would remain consistent with the existing land use. As such the potential for visual and urban design impacts the associated with the Proposal is assessed as negligible.	Nil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Hazard and risk	The Proposal would potentially increase the hazard and risk associated with all environmental aspects assessed above. Given the minor scope and temporary nature of the activities associated with the Proposal, the potential change to the hazard and risk profile of the site is assessed as negligible.	Nil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Climate change and sustainability	The Proposal would occupy existing centralised laydown areas which provide the physical space required to store materials and coordinate activities during the program of work. Both locations would provide: <ul style="list-style-type: none"> ready sealed access with close proximity to the wider public road network existing facilities with weather protection for plant and equipment storage existing utilities which can be optimised and removes the need to run new service connections etc. This would have a positive impact on climate change and sustainability by utilising existing infrastructure and services. This would avoid the need for installation of temporary laydown areas at multiple project sites and would save on materials, wastes and fuel use associated with their installation and decommissioning. The Proposal would generate vehicle movements and deliveries through use of the travel routes detailed in the 'Traffic and parking' section above to take receipt of plant, equipment and materials and	Nil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Aspect	Nature and extent of impacts (negative and positive) during construction if control measures implemented	Control measures	Endorsed (for Rail Development and Delivery E&S use only)		
			Yes	No	Comments
	<p>transport them to and from the laydown areas to approved Project sites to achieve the stated outcomes in Section 2.1.</p> <p>Whilst these vehicle movements and deliveries would be low in volume in comparison to the traffic volumes generated by the surrounding road network, there is the potential for a negligible-minor negative climate change and sustainability impact due to an increase in fuel use and emissions from plant and equipment operating at the Proposal areas and vehicles travelling to and from the approved Project sites.</p> <p>The control measures nominated in the 'Air quality' section above would be implemented to mitigate these potential impacts.</p>				
Cumulative impacts	<p>The Proposal would potentially increase the impacts associated with all environmental aspects assessed above given the use of both laydown areas would be an addition to the standard operations at the Chullora and Sefton Stabling Yard from other rail network authorities such as Sydney Trains.</p> <p>There is also the potential for cumulative impacts through interfacing with the Tft MTMS use of the Sefton Stabling Yard for delivery of their program of work, and use of both Proposal areas to support delivery of the Project.</p> <p>The environmental aspects with the greatest potential to generate cumulative impacts with the other operations and projects are:</p> <ul style="list-style-type: none"> • Air quality • Noise and vibration • Traffic and parking • Waste and resource management; and • Climate change and sustainability. <p>The Proposal areas would be delineated from all other operations and project uses to the greatest extent possible through use of controls such as:</p> <ul style="list-style-type: none"> • Physical barriers and delineation • Signage and visual indicators • Site inductions and periodic briefings 	Nil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Aspect	Nature and extent of impacts (negative and positive) during construction if control measures implemented	Control measures	Endorsed (for Rail Development and Delivery E&S use only)		
			Yes	No	Comments
Other [such as landuse, shared heritage and geotechnical]	<ul style="list-style-type: none"> Display and communication of site ECM's. <p>Given the minor scope and temporary nature of the activities associated with the Proposal, the cumulative impact is assessed as low.</p> <p>The control measures nominated for the above listed environmental aspects (including 'General') would be implemented to mitigate the potential for cumulative impacts to the greatest extent possible.</p>				
	<p><u>Chullora</u></p> <p>All necessary approvals required for use of the nominated Proposal area within the Chullora Stabling Yard would be obtained in consultation with Sydney Trains as the landowner authority prior to commencement of use.</p> <p><u>Sefton</u></p> <p>Consultation has been completed with Sydney Trains via the TfT MTMS Project to occupy the Sefton Compound area until the end of March 2025 and would address the use of the Sefton laydown area for this Proposal as detailed in Section 6. Further use by TfT beyond this period would be subject to further consultation.</p>	<p>40. Compliance with the landowner conditions of approval would be incorporated into a compliance tracking register and actioned within the stipulated timeframes where applicable.</p> <p>41. Use of the Sefton Stabling Yard beyond the current approval expiration in March 2025 shall be formally agreed with the landowner prior to any extension of operations associated with this Proposal.</p> <p>42. A site specific dilapidation survey or condition report would be completed for the each Proposal area prior to the commencement of use to document the</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

7.2 Operations

An environmental impact assessment associated with the operation of the Proposal is provided in Table 7-2.

Table 7-2: Operations impact assessment for the proposal

Aspect	Nature and extent of impacts (negative and positive) during operation if control measures implemented	Control measures	Endorsed <i>(for Rail Development and Delivery E&S use only)</i>		
			Yes	No	Comments
General	No operational impacts are anticipated. The Proposal is required for safe operation of the the Project and are in keeping with standard operational parameters of rail infrastructure. At finalisation of works associated with the Proposal or completion of the nominated timeframe for use detailed in Section 1 , the Chullora and Sefton Laydown Areas would be returned to Sydney Trains in a like-for-like condition or better.	43. The Chullora and Sefton Laydown Areas would be returned to Sydney Trains in a like-for-like condition or better following demobilisation from site and hand back of the assets.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Flora and fauna	No operational impacts are anticipated	Nil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Water and flooding	No operational impacts are anticipated	Nil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Air quality	No operational impacts are anticipated	Nil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Soils and contamination	No operational impacts are anticipated	Nil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Noise and vibration	No operational impacts are anticipated	Nil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Aboriginal heritage	No operational impacts are anticipated	Nil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Non-Aboriginal heritage	No operational impacts are anticipated	Nil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Community and socioeconomic	No operational impacts are anticipated	Nil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Traffic and parking	No operational impacts are anticipated	Nil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Transport
for NSW

Aspect	Nature and extent of impacts (negative and positive) during operation if control measures implemented	Control measures	Endorsed <i>(for Rail Development and Delivery E&S use only)</i>		
			Yes	No	Comments
Waste and resource management	No operational impacts are anticipated	Nil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Economic	No operational impacts are anticipated	Nil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Visual and urban design	No operational impacts are anticipated	Nil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Hazard and risk	No operational impacts are anticipated	Nil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Climate change and sustainability	No operational impacts are anticipated	Nil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cumulative impact	No operational impacts are anticipated	Nil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other [such as landuse, shared heritage and geotechnical]	No operational impacts are anticipated	Nil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

8. Certification

Considerations	Yes	No
Are you confident that the impacts of the activity are known and understood?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Are you confident that the impacts of the activity can be managed so as not to significantly affect the environment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

I certify (refer to Table 8-1) that to the best of my knowledge this EIA checklist:

- Examines and takes into account to the fullest extent possible all matters affecting or likely to affect the environment as a result of activities associated with the project.
- Takes into account the environmental factors listed in Section 171 of the EP&A Regulation.
- Is accurate in all material respects and does not omit any material information.

Table 8-1: Certification of the proposal

Name	Role	Signature	Date
Redacted	Author (TfT Senior Environment Advisor)	Redacted	19/09/2024
		Redacted	
Redacted	Transport Environment and Sustainability representative	Redacted	19/09/2024
Redacted	Transport Community and Place Representative	Redacted	20/09/2024
Redacted	Acting Senior Project Manager	Redacted	20/09/2024

9. Project approvals

9.1 Planning approvals

Is the project a part of an activity/development which has already been approved under the EP&A Act?

- ☐ Yes
- If yes, this assessment cannot be used.
- ☒ No
- If no, is the project to be assessed under Part 4 or Division 5.1?

If the project is to be assessed under Division 5.1, has this assessment found that the activity is likely to significantly affect the environment (including critical habitat) or threatened species, populations or ecological communities, or their habitats?

- ☐ Yes
- If yes, the project is required to be assessed under Division 5.2.
- ☒ No
- If no, with the inclusion of the proposed control measures the project can be appropriately assessed under Division 5.1.

9.2 Environmental approvals

Identify all other approvals required for the project:

Nil

Is further assessment required?

- ☒ No
- No further assessment required.
- ☐ Yes
- Further assessment required

9.3 Endorsement by Senior Environment & Sustainability Representative

I endorse the assessment of the Proposed Activity as outlined in this Environmental Impact Assessment Checklist.

Name	E&S Manager Position	Signature	Date
Redacted	Senior Manager, Environment & Sustainability	Redacted	20/09/2024

9.4 Decision statement

Under delegation from the Secretary Transport of New South Wales, I certify that I have reviewed and endorsed the contents of this environmental impact assessment checklist, and to the best of my knowledge, it is in accordance with the EP&A Act, the EP&A Regulation and the Guidelines approved under Section 170 of the EP&A Regulation, and the information is neither false nor misleading.

I determine that the proposed activity may be carried out subject to the following conditions of approval.

1. Works are to be undertaken in accordance with the proposed control measures (including any Planning and Environment endorsement comments) identified in the impact assessment tables in this *Environmental impact assessment checklist*.

Name	Role	Signature	Date
Redacted	Executive Director	Redacted	20/09/2024

10. Abbreviations

Term	Meaning
AHIMS	Aboriginal Heritage Information Management System
AS	Australian Standard
APAS	Australian Paint Approval Scheme
ARI	Average Recurrence Interval
ASS	Acid Sulfate Soils
BCA	Building Code of Australia
BC Act	<i>Biodiversity Conservation Act 2016 (NSW)</i>
CEMP	Construction Environmental Management Plan
CCTV	Closed Circuit Television
CLM Act	<i>Contaminated Land Management Act 1997</i>
DDA	<i>Disability Discrimination Act 1992 (Cwlth)</i>
DES	TfNSW Director Environment & Sustainability
DPE	NSW Department of Planning and Environment
DSAPT	<i>Disability Standards for Accessible Public Transport (2002)</i>
E&S	Environment and Sustainability, a branch within Safety, Environment and Regulation (SER) of Transport for NSW
ECM	Environmental Control Map
ESMF	Environment & Sustainability Management Framework
EIA	Environmental Impact Assessment
EPA	NSW Environment Protection Authority
EP&A Act	<i>Environmental Planning and Assessment Act 1979 (NSW)</i>
EP&A Regulation	Environmental Planning and Assessment Regulation 2021 (NSW)
EPBC Act	<i>Environment Protection and Biodiversity Conservation Act 1999 (Cwlth)</i>
EPL	Environment Protection Licence
Heritage Act	<i>Heritage Act 1977 (NSW)</i>
SEPP (Transport and Infrastructure)	<i>State Environmental Planning Policy (Transport and Infrastructure) 2021 (NSW)</i>
LEP	Local Environmental Plan
LGA	Local Government Area
MNES	Matters of National Environmental Significance
NSW SES	NSW State Emergency Service
NIF	New Inner-city Fleet
NML	Noise Management Level

Term	Meaning
OEH	Former NSW Office of the Environment and Heritage
PMF	Probable Maximum Flood
PoEO Act	<i>Protection of the Environment Operations Act 1997 (NSW)</i>
RR	Regional Rail
TfNSW	Transport for New South Wales
TfT	Transport for Tomorrow
SEPP	State Environmental Planning Policy
SHI	State Heritage Inventory
VOC	Volatile Organic Compounds

11. Definitions

Term	Meaning
Concept design	The concept design is the preliminary design presented in this EIA Checklist, which would be refined by the Contractor (should the Proposal proceed) to a design suitable for construction (subject to Transport for NSW acceptance).
Construction	Includes all work in respect of the Project, other than survey, acquisitions, fencing, investigative drilling or excavation, building/road dilapidation surveys, or other activities determined by the TfNSW DES to have minimal environmental impact such as minor access roads, minor adjustments to services/utilities, establishing temporary construction compounds (in accordance with this approval), or minor clearing (except where threatened species, populations or ecological communities would be affected, unless otherwise agreed by the DES).
Contractor	The entity appointed by Transport for NSW to undertake the construction of the Proposal. The Contractor is therefore responsible for all work on the proposal, both design and construction.
Determining authority	A Minister or public authority on whose behalf an activity is to be carried out or public authority whose approval is required to carry out an activity (under Division 5.1 of the EP&A Act).
Disability Standards for Accessible Public Transport	The Commonwealth Disability Standards for Accessible Public Transport 2002 (as amended), authorised under the Commonwealth Disability Discrimination Act 1992 (DDA).
Out of hours work	Defined as work undertaken outside standard construction hours (i.e., outside of 7am to 6pm Monday to Friday, 8am to 1pm Saturday and no work on Sundays/public holidays).
Proponent	A person or body proposing to carry out an activity under Division 5.1 of the EP&A Act.
The Proposal	The construction and operation of the proposed work.
Sensitive receivers	Land uses which are sensitive to potential noise, air and visual impacts, such as residential dwellings, schools and hospitals.
Transport Environment and Sustainability Representative	<p>Within Rail Development and Delivery Projects this includes:</p> <ul style="list-style-type: none"> • Environment and Sustainability Officer • Senior Environment and Sustainability Officer • Environment and Sustainability Manager • Senior Manager Environment and Sustainability

Appendix A: Consideration of Section 171 Environmental Factors

The following environmental factors, listed in section 171(2) of the Environmental Planning and Assessment Regulation 2021, have been taken into account to assist in assessing the likely impacts of the Proposal on the environment. This consideration is required to comply with sections 5.5 and 5.7 of the EP&A Act.

Table A-1: Consideration of section 171 of the EP&A Regulation factors

ID	Factor	Comment	Impact
a	Any environmental impact on a community?	The Proposal has the potential to result in temporary negligible-minor noise and traffic impacts during the construction phase. Control measures outlined in the Impact Assessment would be implemented to manage and minimise impacts.	Minor, short term, negative
b	Any transformation of a locality?	During construction there would be some minor visual impacts associated with the presence of construction personnel and activities, however this would not be observable from the nearest sensitive receivers and is consistent with the operational rail environment.	Nil
c	Any the environmental impact on the ecosystems of the locality?	The Proposal is within the rail corridor which is highly disturbed. The Proposal is not expected to involve vegetation removal and therefore no impact on the ecosystem is anticipated. Control measures outlined in the Impact Assessment would be implemented to manage and minimise impacts to existing vegetation.	Nil
d	Any reduction of the aesthetic, recreational, scientific or other environmental quality or value of a locality?	The Proposal is located within the existing rail corridor. The Proposal has the potential to result in temporary negligible-minor noise and traffic impacts during the construction phase. The Proposal would not result in any substantial reduction of the aesthetic, recreational, scientific or other environmental quality or value of a locality.	Minor, short term, negative
e	Any effect on a locality, place or building having aesthetic, anthropological, archaeological, architectural, cultural, historical, scientific or social significance or other special value for present or future generations?	The Proposal would not alter the existing built or natural environment, nor alter the existing approved land use or current features. As such, the Proposal would not have any impact on a locality, place or building.	Nil

ID	Factor	Comment	Impact
f	Any impact on the habitat of protected fauna (within the meaning of the <i>National Parks and Wildlife Act 1974</i>)?	The Proposal is within the rail corridor which is highly disturbed. The Proposal is not expected to involve vegetation removal and therefore would not impact on the habitat of protected fauna.	Nil
g	Any endangering of any species of animal, plant or other form of life, whether living on land, in water or in the air?	The Proposal is within the rail corridor which is highly disturbed. The Proposal is not expected to involve vegetation removal and therefore no impacts to fauna or flora are anticipated.	Nil
h	Any long-term effects on the environment?	The Proposal is unlikely to have any long-term effects on the environment.	Nil
i	Any degradation of the quality of the environment?	The Proposal is unlikely to have any degradation on the quality of the environment. During construction there would be minor impacts to the environment, primarily from noise and traffic. Control measures outlined in the Impact Assessment would be implemented to manage and minimise impacts.	Nil
j	Any risk to the safety of the environment?	The Proposal is unlikely to cause any pollution or safety risks to the environment provided the recommended mitigation measures are implemented. Construction of the Proposal would be managed in accordance with a CEMP to reduce any risks to the environment.	Minor, short term, negative
k	Any reduction in the range of beneficial uses of the environment?	The Proposal is unlikely to have any reduction in the range of beneficial uses of the environment.	Nil
l	Any pollution of the environment?	The Proposal could result in pollution of the environment (e.g. chemical or hazardous material spill), however provided the recommended management and mitigation measures are implemented, this risk is expected to be minor.	Minor, short term, negative
m	Any environmental problems associated with the disposal of waste?	All waste requiring off-site disposal would be classified in accordance with the Waste Classification Guidelines (EPA 2014) prior to disposal at an appropriate waste facility licenced to accept waste of the relevant classification. Any spoil to be removed from site would be tested to confirm the presence of any contamination. Any contaminated spoil would be disposed of at an appropriately licensed facility. Disposal of contaminated waste	Minor, short term, negative

ID	Factor	Comment	Impact
		would be undertaken in accordance with SafeWork NSW requirements.	
n	Any increased demands on resources (natural or otherwise) that are, or are likely to become, in short supply?	The Proposal is to unlikely increase demands on resources that are, or are likely to become, in short supply.	Nil
o	Any cumulative environmental effect with other existing or likely future activities?	The Proposal would potentially increase the impacts associated with all environmental aspects assessed in Section 7 above given the site use within existing rail operational areas, and in addition to the MTMS Project operations. Given the minor scope and temporary activities associated with the Proposal, the cumulative environmental effect with other existing or likely future activities is assessed as very low.	Nil
p	Any impact on coastal processes and coastal hazards, including those under projected climate change conditions?	The Proposal would not impact on any coastal processes.	Nil
q	Applicable local strategic planning statements, regional strategic plans or district strategic plans made under the Act, Division 3.1.	The Rail Infrastructure Upgrade programs facilitate the operation of the new Regional Rail and Mariyung fleets which, in turn implement some of the key initiatives of the NSW governments Greater Sydney Region Plan to contribute to a modern and up to date rail system in accordance with the Future Transport Strategy 2056.	Nil
r	Other relevant environmental factors.	In considering the potential impacts of this proposal all relevant environmental factors have been considered, refer to Impact Assessment of this assessment.	Nil

Appendix B: Consideration of Commonwealth environmental factors

Table B-1: Matters of national environmental significance

Environmental factor	Comment	Impact
a) Any impact on a World Heritage property?	There are no World Heritage properties nearby the Proposal areas.	Nil
b) Any impact on a National Heritage place?	There are no National Heritage places nearby the Proposal area.	Nil
c) Any impact on a wetland of international importance (often called 'Ramsar' wetlands)?	There are no wetlands of international importance nearby the Proposal area.	Nil
d) Any impact on nationally threatened species, ecological communities or migratory species?	The Proposal would not result in impacts to a listed threatened species or community.	Nil
e) Any impact on a Commonwealth marine area?	There are no Commonwealth marine areas nearby the Proposal area.	Nil
f) Does the proposal involve a nuclear action (including uranium mining)?	The Proposal would not involve a nuclear action.	Nil
Additionally, any impact (direct or indirect) on the environment of Commonwealth land?	There are no parcels of Commonwealth land nearby the Proposal area.	Nil

Appendix C: EPBC Act Protected Matters Reports



EPBC Act Protected Matters Report

This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected. Please see the caveat for interpretation of information provided here.

Report created: 12-Aug-2024

[Summary](#)

[Details](#)

[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

[Acknowledgements](#)

Summary

Matters of National Environment Significance

This part of the report summarises the matters of national environmental significance that may occur in, or may relate to, the area you nominated. Further information is available in the detail part of the report, which can be accessed by scrolling or following the links below. If you are proposing to undertake an activity that may have a significant impact on one or more matters of national environmental significance then you should consider the [Administrative Guidelines on Significance](#).

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Importance (Ramsar	None
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	7
Listed Threatened Species:	52
Listed Migratory Species:	17

Other Matters Protected by the EPBC Act

This part of the report summarises other matters protected under the Act that may relate to the area you nominated. Approval may be required for a proposed activity that significantly affects the environment on Commonwealth land, when the action is outside the Commonwealth land, or the environment anywhere when the action is taken on Commonwealth land. Approval may also be required for the Commonwealth or Commonwealth agencies proposing to take an action that is likely to have a significant impact on the environment anywhere.

The EPBC Act protects the environment on Commonwealth land, the environment from the actions taken on Commonwealth land, and the environment from actions taken by Commonwealth agencies. As heritage values of a place are part of the 'environment', these aspects of the EPBC Act protect the Commonwealth Heritage values of a Commonwealth Heritage place. Information on the new heritage laws can be found at <https://www.dcceew.gov.au/parks-heritage/heritage>

A [permit](#) may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Lands:	3
Commonwealth Heritage Places:	None
Listed Marine Species:	24
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	None
Habitat Critical to the Survival of Marine Turtles:	None

Extra Information

This part of the report provides information that may also be relevant to the area you have

State and Territory Reserves:	None
Regional Forest Agreements:	None
Nationally Important Wetlands:	None
EPBC Act Referrals:	6
Key Ecological Features (Marine):	None
Biologically Important Areas:	None
Bioregional Assessments:	1
Geological and Bioregional Assessments:	None

Details

Matters of National Environmental Significance

Listed Threatened Ecological Communities

[Resource Information]

For threatened ecological communities where the distribution is well known, maps are derived from recovery plans, State vegetation maps, remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

Status of Vulnerable, Disallowed and Ineligible are not MNES under the EPBC Act.

Community Name	Threatened Category	Presence Text
Castlereagh Scribbly Gum and Agnes Banks Woodlands of the Sydney Basin Bioregion	Endangered	Community may occur within area
Coastal Swamp Oak (Casuarina glauca) Forest of New South Wales and South East Queensland ecological community	Endangered	Community may occur within area
Coastal Swamp Sclerophyll Forest of New South Wales and South East Queensland	Endangered	Community may occur within area
Cooks River/Castlereagh Ironbark Forest of the Sydney Basin Bioregion	Critically Endangered	Community likely to occur within area
River-flat eucalypt forest on coastal floodplains of southern New South Wales and eastern Victoria	Critically Endangered	Community likely to occur within area
Shale Sandstone Transition Forest of the Sydney Basin Bioregion	Critically Endangered	Community may occur within area
Western Sydney Dry Rainforest and Moist Woodland on Shale	Critically Endangered	Community may occur within area

Listed Threatened Species

[Resource Information]

Status of Conservation Dependent and Extinct are not MNES under the EPBC Act.

Number is the current name ID.

Scientific Name	Threatened Category	Presence Text
BIRD		
Anthochaera phrygia		
Regent Honeyeater [82338]	Critically Endangered	Foraging, feeding or related behaviour likely to occur within area

Scientific Name	Threatened Category	Presence Text
Botaurus poiciloptilus Australasian Bittern [1001]	Endangered	Species or species habitat likely to occur within area
Calidris acuminata Sharp-tailed Sandpiper [874]	Vulnerable	Species or species habitat may occur within area
Calidris canutus Red Knot, Knot [855]	Vulnerable	Species or species habitat may occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
Callocephalon fimbriatum Gang-gang Cockatoo [768]	Endangered	Species or species habitat likely to occur within area
Calyptorhynchus lathami lathami South-eastern Glossy Black-Cockatoo [67036]	Vulnerable	Species or species habitat likely to occur within area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area
Climacteris picumnus victoriae Brown Treecreeper (south-eastern) [67062]	Vulnerable	Species or species habitat likely to occur within area
Dasyornis brachypterus Eastern Bristlebird [533]	Endangered	Species or species habitat may occur within area
Erythroriorchis radiatus Red Goshawk [942]	Endangered	Species or species habitat may occur within area
Falco hypoleucos Grey Falcon [929]	Vulnerable	Species or species habitat likely to occur within area

Scientific Name	Threatened Category	Presence Text
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]	Vulnerable	Species or species habitat likely to occur within area
Grantiella picta Painted Honeyeater [470]	Vulnerable	Species or species habitat likely to occur within area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area
Lathamus discolor Swift Parrot [744]	Critically Endangered	Species or species habitat likely to occur within area
Melanodryas cucullata cucullata South-eastern Hooded Robin, Hooded Robin (south-eastern) [67093]	Endangered	Species or species habitat likely to occur within area
Neophema chrysostoma Blue-winged Parrot [726]	Vulnerable	Species or species habitat may occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
Pycnoptilus floccosus Pilotbird [525]	Vulnerable	Species or species habitat may occur within area
Rostratula australis Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area
Stagonopleura guttata Diamond Firetail [59398]	Vulnerable	Species or species habitat likely to occur within area
Tringa nebularia Common Greenshank, Greenshank [832]	Endangered	Species or species habitat likely to occur within area

Scientific Name	Threatened Category	Presence Text
FISH		
Macquaria australasica		
Macquarie Perch [66632]	Endangered	Species or species habitat may occur within area
FROG		
Heleioporus australiacus		
Giant Burrowing Frog [1973]	Vulnerable	Species or species habitat may occur within area
Litoria aurea		
Green and Golden Bell Frog [1870]	Vulnerable	Species or species habitat known to occur within area
MAMMAL		
Chalinolobus dwyeri		
Large-eared Pied Bat, Large Pied Bat [183]	Endangered	Species or species habitat likely to occur within area
Dasyurus maculatus maculatus (SE mainland population)		
Spot-tailed Quoll, Spotted-tail Quoll, Tiger Quoll (southeastern mainland population) [75184]	Endangered	Species or species habitat likely to occur within area
Petauroides volans		
Greater Glider (southern and central) [254]	Endangered	Species or species habitat likely to occur within area
Petaurus australis australis		
Yellow-bellied Glider (south-eastern) [87600]	Vulnerable	Species or species habitat likely to occur within area
Phascolarctos cinereus (combined populations of Qld, NSW and the ACT)		
Koala (combined populations of Queensland, New South Wales and the Australian Capital Territory) [85104]	Endangered	Species or species habitat known to occur within area
Pseudomys novaehollandiae		
New Holland Mouse, Pookila [96]	Vulnerable	Species or species habitat likely to occur within area
Pteropus poliocephalus		
Grey-headed Flying-fox [186]	Vulnerable	Foraging, feeding or related behaviour known to occur within area

Scientific Name	Threatened Category	Presence Text
PLANT		
Acacia bynoeana Bynoe's Wattle, Tiny Wattle [8575]	Vulnerable	Species or species habitat may occur within area
Acacia pubescens Downy Wattle, Hairy Stemmed Wattle [18800]	Vulnerable	Species or species habitat known to occur within area
Acacia terminalis subsp. Eastern Sydney (G.P.Phillips 126) listed as Acacia terminalis subsp. terminalis MS		
Sunshine Wattle (Sydney region) [91564]	Endangered	Species or species habitat may occur within area
Allocasuarina glareicola [21932]	Endangered	Species or species habitat may occur within area
Caladenia tessellata Thick-lipped Spider-orchid, Daddy Long-legs [2119]	Vulnerable	Species or species habitat likely to occur within area
Cryptostylis hunteriana Leafless Tongue-orchid [19533]	Vulnerable	Species or species habitat likely to occur within area
Darwinia biflora [14619]	Vulnerable	Species or species habitat may occur within area
Genoplesium baueri Yellow Gnat-orchid, Bauer's Midge Orchid, Brittle Midge Orchid [7528]	Endangered	Species or species habitat likely to occur within area
Leucopogon exolasius Woronora Beard-heath [14251]	Vulnerable	Species or species habitat may occur within area
Melaleuca deanei Deane's Melaleuca [5818]	Vulnerable	Species or species habitat may occur within area
Persicaria elatior Knotweed, Tall Knotweed [5831]	Vulnerable	Species or species habitat likely to occur within area

Scientific Name	Threatened Category	Presence Text
Pimelea spicata Spiked Rice-flower [20834]	Endangered	Species or species habitat likely to occur within area
Pomaderris brunnea Rufous Pomaderris, Brown Pomaderris [16845]	Vulnerable	Species or species habitat may occur within area
Pterostylis saxicola Sydney Plains Greenhood [64537]	Endangered	Species or species habitat may occur within area
Rhodamnia rubescens Scrub Turpentine, Brown Malletwood [15763]	Critically Endangered	Species or species habitat likely to occur within area
Rhodomyrtus psidioides Native Guava [19162]	Critically Endangered	Species or species habitat may occur within area
Syzygium paniculatum Magenta Lilly Pilly, Magenta Cherry, Daguba, Scrub Cherry, Creek Lilly Pilly, Brush Cherry [20307]	Vulnerable	Species or species habitat likely to occur within area
Thesium australe Austral Toadflax, Toadflax [15202]	Vulnerable	Species or species habitat may occur within area

REPTILE		
Hoplocephalus bungaroides Broad-headed Snake [1182]	Endangered	Species or species habitat may occur within area

Listed Migratory Species	[Resource Information]	
Scientific Name	Threatened Category	Presence Text
Migratory Marine Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area

Migratory Terrestrial Species		
Cuculus optatus Oriental Cuckoo, Horsfield's Cuckoo [86651]		Species or species habitat may occur within area

Scientific Name	Threatened Category	Presence Text
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area
Monarcha melanopsis Black-faced Monarch [609]		Species or species habitat known to occur within area
Motacilla flava Yellow Wagtail [644]		Species or species habitat likely to occur within area
Myiagra cyanoleuca Satin Flycatcher [612]		Species or species habitat known to occur within area
Rhipidura rufifrons Rufous Fantail [592]		Species or species habitat likely to occur within area
Symposiachrus trivirgatus as Monarcha trivirgatus Spectacled Monarch [83946]		Species or species habitat may occur within area
Migratory Wetlands Species		
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat may occur within area
Calidris acuminata Sharp-tailed Sandpiper [874]	Vulnerable	Species or species habitat may occur within area
Calidris canutus Red Knot, Knot [855]	Vulnerable	Species or species habitat may occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area

Scientific Name	Threatened Category	Presence Text
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]	Vulnerable	Species or species habitat likely to occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
Tringa nebularia Common Greenshank, Greenshank [832]	Endangered	Species or species habitat likely to occur within area

Other Matters Protected by the EPBC Act

Commonwealth Lands

[[Resource Information](#)]

The Commonwealth area listed below may indicate the presence of Commonwealth land in this vicinity. Due to the unreliability of the data source, all proposals should be checked as to whether it impacts on a Commonwealth area, before making a definitive decision. Contact the State or Territory government land department for further information.

Commonwealth Land Name	State
Defence - Defence Housing Authority	
Commonwealth Land - Director of War Service Homes [14423]	NSW
Commonwealth Land - Director of War Service Homes [14424]	NSW
Commonwealth Land - Director of War Service Homes [14413]	NSW

Listed Marine Species

[[Resource Information](#)]

Scientific Name	Threatened Category	Presence Text
Bird		
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat may occur within area
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area overfly marine area

Scientific Name	Threatened Category	Presence Text
Bubulcus ibis as Ardea ibis Cattle Egret [66521]		Species or species habitat may occur within area overfly marine area
Calidris acuminata Sharp-tailed Sandpiper [874]	Vulnerable	Species or species habitat may occur within area
Calidris canutus Red Knot, Knot [855]	Vulnerable	Species or species habitat may occur within area overfly marine area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area overfly marine area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area overfly marine area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]	Vulnerable	Species or species habitat likely to occur within area overfly marine area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat known to occur within area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area overfly marine area
Lathamus discolor Swift Parrot [744]	Critically Endangered	Species or species habitat likely to occur within area overfly marine area

Scientific Name	Threatened Category	Presence Text
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area overfly marine area
Monarcha melanopsis Black-faced Monarch [609]		Species or species habitat known to occur within area overfly marine area
Motacilla flava Yellow Wagtail [644]		Species or species habitat likely to occur within area overfly marine area
Myiagra cyanoleuca Satin Flycatcher [612]		Species or species habitat known to occur within area overfly marine area
Neophema chrysostoma Blue-winged Parrot [726]	Vulnerable	Species or species habitat may occur within area overfly marine area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
Pterodroma cervicalis White-necked Petrel [59642]		Species or species habitat may occur within area
Rhipidura rufifrons Rufous Fantail [592]		Species or species habitat likely to occur within area overfly marine area
Rostratula australis as Rostratula benghalensis (sensu lato) Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area overfly marine area
Sterna striata White-fronted Tern [799]		Migration route may occur within area

Scientific Name	Threatened Category	Presence Text
Symposiachrus trivirgatus as Monarcha trivirgatus Spectacled Monarch [83946]		Species or species habitat may occur within area overfly marine area
Tringa nebularia Common Greenshank, Greenshank [832]	Endangered	Species or species habitat likely to occur within area overfly marine area

Extra Information

EPBC Act Referrals			[Resource Information]
Title of referral	Reference	Referral Outcome	Assessment Status
Not controlled action			
Development of an Intermodal Terminal for containerised freight at the former En	2002/622	Not Controlled Action	Completed
Georges River Program 2	2003/999	Not Controlled Action	Completed
Improving rabbit biocontrol: releasing another strain of RHDV, sthrn two thirds of Australia	2015/7522	Not Controlled Action	Completed
INDIGO Central Submarine Telecommunications Cable	2017/8127	Not Controlled Action	Completed
subdivision and development on the Rhodes Peninsula for residential and commerci	2003/1249	Not Controlled Action	Completed
Not controlled action (particular manner)			
INDIGO Marine Cable Route Survey (INDIGO)	2017/7996	Not Controlled Action (Particular Manner)	Post-Approval

Bioregional Assessments		Resource Information]
SubRegion	BioRegion	Website
Sydney	Sydney Basin	BA website

Caveat

1 PURPOSE

This report is designed to assist in identifying the location of matters of national environmental significance (MNES) and other matters protected by the Environment Protection and Biodiversity Conservation Act 1999 (Cth) (EPBC Act) which may be relevant in determining obligations and requirements under the EPBC Act.

The report contains the mapped locations of:

- World and National Heritage properties;
- Wetlands of International and National Importance;
- Commonwealth and State/Territory reserves;
- distribution of listed threatened, migratory and marine species;
- listed threatened ecological communities; and
- other information that may be useful as an indicator of potential habitat value.

2 DISCLAIMER

This report is not intended to be exhaustive and should only be relied upon as a general guide as mapped data is not available for all species or ecological communities listed under the EPBC Act (see below). Persons seeking to use the information contained in this report to inform the referral of a proposed action under the EPBC Act should consider the limitations noted below and whether additional information is required to determine the existence and location of MNES and other protected matters.

Where data are available to inform the mapping of protected species, the presence type (e.g. known, likely or may occur) that can be determined from the data is indicated in general terms. It is the responsibility of any person using or relying on the information in this report to ensure that it is suitable for the circumstances of any proposed use. The Commonwealth cannot accept responsibility for the consequences of any use of the report or any part thereof. To the maximum extent allowed under governing law, the Commonwealth will not be liable for any loss or damage that may be occasioned directly or indirectly through the use of, or reliance

3 DATA SOURCES

Threatened ecological communities

For threatened ecological communities where the distribution is well known, maps are generated based on information contained in recovery plans, State vegetation maps and remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

Threatened, migratory and marine species

Threatened, migratory and marine species distributions have been discerned through a variety of methods. Where distributions are well known and if time permits, distributions are inferred from either thematic spatial data (i.e. vegetation, soils, geology, elevation, aspect, terrain, etc.) together with point locations and described habitat; or modelled (MAXENT or BIOCLIM habitat modelling) using

Where little information is available for a species or large number of maps are required in a short time-frame, maps are derived either from 0.04 or 0.02 decimal degree cells; by an automated process using polygon capture techniques (static two kilometre grid cells, alpha-hull and convex hull); or captured manually or by using topographic features (national park boundaries, islands, etc.).

In the early stages of the distribution mapping process (1999-early 2000s) distributions were defined by degree blocks, 100K or 250K map sheets to rapidly create distribution maps. More detailed distribution mapping methods are used to update these distributions

4 LIMITATIONS

The following species and ecological communities have not been mapped and do not appear in this report:

- threatened species listed as extinct or considered vagrants;
- some recently listed species and ecological communities;
- some listed migratory and listed marine species, which are not listed as threatened species; and
- migratory species that are very widespread, vagrant, or only occur in Australia in small numbers.

The following groups have been mapped, but may not cover the complete distribution of the species:

- listed migratory and/or listed marine seabirds, which are not listed as threatened, have only been mapped for recorded
- seals which have only been mapped for breeding sites near the Australian continent

The breeding sites may be important for the protection of the Commonwealth Marine environment.

Refer to the metadata for the feature group (using the Resource Information link) for the currency of the information.

Acknowledgements

This database has been compiled from a range of data sources. The department acknowledges the following custodians who have contributed valuable data and advice:

- [-Office of Environment and Heritage, New South Wales](#)
- [-Department of Environment and Primary Industries, Victoria](#)
- [-Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [-Department of Environment, Water and Natural Resources, South Australia](#)
- [-Department of Land and Resource Management, Northern Territory](#)
- [-Department of Environmental and Heritage Protection, Queensland](#)
- [-Department of Parks and Wildlife, Western Australia](#)
- [-Environment and Planning Directorate, ACT](#)
- [-Birdlife Australia](#)
- [-Australian Bird and Bat Banding Scheme](#)
- [-Australian National Wildlife Collection](#)
- Natural history museums of Australia
- [-Museum Victoria](#)
- [-Australian Museum](#)
- [-South Australian Museum](#)
- [-Queensland Museum](#)
- [-Online Zoological Collections of Australian Museums](#)
- [-Queensland Herbarium](#)
- [-National Herbarium of NSW](#)
- [-Royal Botanic Gardens and National Herbarium of Victoria](#)
- [-Tasmanian Herbarium](#)
- [-State Herbarium of South Australia](#)
- [-Northern Territory Herbarium](#)
- [-Western Australian Herbarium](#)
- [-Australian National Herbarium, Canberra](#)
- [-University of New England](#)
- [-Ocean Biogeographic Information System](#)
- [-Australian Government, Department of Defence](#)
- [Forestry Corporation, NSW](#)
- [-Geoscience Australia](#)
- [-CSIRO](#)
- [-Australian Tropical Herbarium, Cairns](#)
- [-eBird Australia](#)
- [-Australian Government – Australian Antarctic Data Centre](#)
- [-Museum and Art Gallery of the Northern Territory](#)
- [-Australian Government National Environmental Science Program](#)
- [-Australian Institute of Marine Science](#)
- [-Reef Life Survey Australia](#)
- [-American Museum of Natural History](#)
- [-Queen Victoria Museum and Art Gallery, Inveresk, Tasmania](#)
- [-Tasmanian Museum and Art Gallery, Hobart, Tasmania](#)
- Other groups and individuals

The Department is extremely grateful to the many organisations and individuals who provided expert advice and information on numerous draft distributions.



Australian Government

Department of Climate Change, Energy,
the Environment and Water

EPBC Act Protected Matters Report

This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected. Please see the caveat for interpretation of information provided here.

Report created: 12-Aug-2024

[Summary](#)

[Details](#)

[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

[Acknowledgements](#)

Summary

Matters of National Environment Significance

This part of the report summarises the matters of national environmental significance that may occur in, or may relate to, the area you nominated. Further information is available in the detail part of the report, which can be accessed by scrolling or following the links below. If you are proposing to undertake an activity that may have a significant impact on one or more matters of national environmental significance then you should consider the [Administrative Guidelines on Significance](#).

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Importance (Ramsar	None
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	6
Listed Threatened Species:	50
Listed Migratory Species:	16

Other Matters Protected by the EPBC Act

This part of the report summarises other matters protected under the Act that may relate to the area you nominated. Approval may be required for a proposed activity that significantly affects the environment on Commonwealth land, when the action is outside the Commonwealth land, or the environment anywhere when the action is taken on Commonwealth land. Approval may also be required for the Commonwealth or Commonwealth agencies proposing to take an action that is likely to have a significant impact on the environment anywhere.

The EPBC Act protects the environment on Commonwealth land, the environment from the actions taken on Commonwealth land, and the environment from actions taken by Commonwealth agencies. As heritage values of a place are part of the 'environment', these aspects of the EPBC Act protect the Commonwealth Heritage values of a Commonwealth Heritage place. Information on the new heritage laws can be found at <https://www.dcceew.gov.au/parks-heritage/heritage>

A [permit](#) may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Lands:	3
Commonwealth Heritage Places:	None
Listed Marine Species:	23
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	None
Habitat Critical to the Survival of Marine Turtles:	None

Extra Information

This part of the report provides information that may also be relevant to the area you have

State and Territory Reserves:	None
Regional Forest Agreements:	None
Nationally Important Wetlands:	None
EPBC Act Referrals:	9
Key Ecological Features (Marine):	None
Biologically Important Areas:	None
Bioregional Assessments:	1
Geological and Bioregional Assessments:	None

Details

Matters of National Environmental Significance

Listed Threatened Ecological Communities

[Resource Information]

For threatened ecological communities where the distribution is well known, maps are derived from recovery plans, State vegetation maps, remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

Status of Vulnerable, Disallowed and Ineligible are not MNES under the EPBC Act.

Community Name	Threatened Category	Presence Text
Castlereagh Scribbly Gum and Agnes Banks Woodlands of the Sydney Basin Bioregion	Endangered	Community may occur within area
Coastal Swamp Oak (Casuarina glauca) Forest of New South Wales and South East Queensland ecological community	Endangered	Community may occur within area
Coastal Swamp Sclerophyll Forest of New South Wales and South East Queensland	Endangered	Community may occur within area
Cooks River/Castlereagh Ironbark Forest of the Sydney Basin Bioregion	Critically Endangered	Community may occur within area
River-flat eucalypt forest on coastal floodplains of southern New South Wales and eastern Victoria	Critically Endangered	Community likely to occur within area
Western Sydney Dry Rainforest and Moist Woodland on Shale	Critically Endangered	Community may occur within area

Listed Threatened Species

[Resource Information]

Status of Conservation Dependent and Extinct are not MNES under the EPBC Act.

Number is the current name ID.

Scientific Name	Threatened Category	Presence Text
BIRD		
Anthochaera phrygia Regent Honeyeater [82338]	Critically Endangered	Species or species habitat known to occur within area
Aphelocephala leucopsis Southern Whiteface [529]	Vulnerable	Species or species habitat may occur within area

Scientific Name	Threatened Category	Presence Text
Botaurus poiciloptilus Australasian Bittern [1001]	Endangered	Species or species habitat likely to occur within area
Calidris acuminata Sharp-tailed Sandpiper [874]	Vulnerable	Species or species habitat may occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat likely to occur within area
Callocephalon fimbriatum Gang-gang Cockatoo [768]	Endangered	Species or species habitat likely to occur within area
Calyptorhynchus lathami lathami South-eastern Glossy Black-Cockatoo [67036]	Vulnerable	Species or species habitat likely to occur within area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area
Climacteris picumnus victoriae Brown Treecreeper (south-eastern) [67062]	Vulnerable	Species or species habitat likely to occur within area
Dasyornis brachypterus Eastern Bristlebird [533]	Endangered	Species or species habitat may occur within area
Erythrorhynchus radiatus Red Goshawk [942]	Endangered	Species or species habitat may occur within area
Falco hypoleucos Grey Falcon [929]	Vulnerable	Species or species habitat likely to occur within area
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]	Vulnerable	Species or species habitat likely to occur within area

Scientific Name	Threatened Category	Presence Text
Grantiella picta Painted Honeyeater [470]	Vulnerable	Species or species habitat likely to occur within area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area
Lathamus discolor Swift Parrot [744]	Critically Endangered	Species or species habitat likely to occur within area
Melanodryas cucullata cucullata South-eastern Hooded Robin, Hooded Robin (south-eastern) [67093]	Endangered	Species or species habitat may occur within area
Neophema chrysostoma Blue-winged Parrot [726]	Vulnerable	Species or species habitat may occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat likely to occur within area
Pycnoptilus floccosus Pilotbird [525]	Vulnerable	Species or species habitat may occur within area
Rostratula australis Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area
Stagonopleura guttata Diamond Firetail [59398]	Vulnerable	Species or species habitat likely to occur within area
Tringa nebularia Common Greenshank, Greenshank [832]	Endangered	Species or species habitat likely to occur within area
FISH		
Macquaria australasica Macquarie Perch [66632]	Endangered	Species or species habitat may occur within area

Scientific Name	Threatened Category	Presence Text
FROG		
Heleioporus australiacus		
Giant Burrowing Frog [1973]	Vulnerable	Species or species habitat may occur within area
Litoria aurea		
Green and Golden Bell Frog [1870]	Vulnerable	Species or species habitat likely to occur within area
MAMMAL		
Chalinolobus dwyeri		
Large-eared Pied Bat, Large Pied Bat [183]	Endangered	Species or species habitat likely to occur within area
Dasyurus maculatus maculatus (SE mainland population)		
Spot-tailed Quoll, Spotted-tail Quoll, Tiger Quoll (southeastern mainland population) [75184]	Endangered	Species or species habitat likely to occur within area
Petauroides volans		
Greater Glider (southern and central) [254]	Endangered	Species or species habitat likely to occur within area
Petaurus australis australis		
Yellow-bellied Glider (south-eastern) [87600]	Vulnerable	Species or species habitat likely to occur within area
Phascolarctos cinereus (combined populations of Qld, NSW and the ACT)		
Koala (combined populations of Queensland, New South Wales and the Australian Capital Territory) [85104]	Endangered	Species or species habitat known to occur within area
Pseudomys novaehollandiae		
New Holland Mouse, Pookila [96]	Vulnerable	Species or species habitat likely to occur within area
Pteropus poliocephalus		
Grey-headed Flying-fox [186]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
PLANT		
Acacia bynoeana		
Bynoe's Wattle, Tiny Wattle [8575]	Vulnerable	Species or species habitat may occur within area

Scientific Name	Threatened Category	Presence Text
Acacia pubescens Downy Wattle, Hairy Stemmed Wattle [18800]	Vulnerable	Species or species habitat known to occur within area
Allocasuarina glareicola [21932]	Endangered	Species or species habitat may occur within area
Caladenia tessellata Thick-lipped Spider-orchid, Daddy Long-legs [2119]	Vulnerable	Species or species habitat may occur within area
Cryptostylis hunteriana Leafless Tongue-orchid [19533]	Vulnerable	Species or species habitat likely to occur within area
Genoplesium baueri Yellow Gnat-orchid, Bauer's Midge Orchid, Brittle Midge Orchid [7528]	Endangered	Species or species habitat likely to occur within area
Leucopogon exolasius Woronora Beard-heath [14251]	Vulnerable	Species or species habitat may occur within area
Melaleuca deanei Deane's Melaleuca [5818]	Vulnerable	Species or species habitat may occur within area
Persicaria elatior Knotweed, Tall Knotweed [5831]	Vulnerable	Species or species habitat may occur within area
Pimelea spicata Spiked Rice-flower [20834]	Endangered	Species or species habitat likely to occur within area
Pomaderris brunnea Rufous Pomaderris, Brown Pomaderris [16845]	Vulnerable	Species or species habitat may occur within area
Pterostylis saxicola Sydney Plains Greenhood [64537]	Endangered	Species or species habitat may occur within area

Scientific Name	Threatened Category	Presence Text
Rhodamnia rubescens Scrub Turpentine, Brown Malletwood [15763]	Critically Endangered	Species or species habitat likely to occur within area
Rhodomyrtus psidioides Native Guava [19162]	Critically Endangered	Species or species habitat may occur within area
Syzygium paniculatum Magenta Lilly Pilly, Magenta Cherry, Daguba, Scrub Cherry, Creek Lilly Pilly, Brush Cherry [20307]	Vulnerable	Species or species habitat likely to occur within area
Thesium australe Austral Toadflax, Toadflax [15202]	Vulnerable	Species or species habitat may occur within area

REPTILE		
Hoplocephalus bungaroides Broad-headed Snake [1182]	Endangered	Species or species habitat may occur within area

Listed Migratory Species		[Resource Information]
Scientific Name	Threatened Category	Presence Text
Migratory Marine Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Migratory Terrestrial Species		
Cuculus optatus Oriental Cuckoo, Horsfield's Cuckoo [86651]		Species or species habitat may occur within area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area
Monarcha melanopsis Black-faced Monarch [609]		Species or species habitat likely to occur within area
Motacilla flava Yellow Wagtail [644]		Species or species habitat likely to occur within area

Scientific Name	Threatened Category	Presence Text
Myiagra cyanoleuca Satin Flycatcher [612]		Species or species habitat known to occur within area
Rhipidura rufifrons Rufous Fantail [592]		Species or species habitat likely to occur within area
Migratory Wetlands Species		
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat likely to occur within area
Calidris acuminata Sharp-tailed Sandpiper [874]	Vulnerable	Species or species habitat may occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat likely to occur within area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat likely to occur within area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]	Vulnerable	Species or species habitat likely to occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat likely to occur within area
Pandion haliaetus Osprey [952]		Species or species habitat likely to occur within area
Tringa nebularia Common Greenshank, Greenshank [832]	Endangered	Species or species habitat likely to occur within area

Other Matters Protected by the EPBC Act

Commonwealth Lands [\[Resource Information \]](#)

The Commonwealth area listed below may indicate the presence of Commonwealth land in this vicinity. Due to the unreliability of the data source, all proposals should be checked as to whether it impacts on a Commonwealth area, before making a definitive decision. Contact the State or Territory government land department for further information.

Commonwealth Land Name	State
Communications, Information Technology and the Arts - Australian Postal Corporation	
Commonwealth Land - Australian Postal Commission [14426]	NSW
Communications, Information Technology and the Arts - Telstra Corporation Limited	
Commonwealth Land - Australian Telecommunications Commission [14428]	NSW

Defence
Defence - RAAF STORES DEPOT REGENTS PARK [10008]

Listed Marine Species [\[Resource Information \]](#)

Scientific Name	Threatened Category	Presence Text
Bird		
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat likely to occur within area
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area overfly marine area
Bubulcus ibis as Ardea ibis Cattle Egret [66521]		Species or species habitat may occur within area overfly marine area
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Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat likely to occur within area
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Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat likely to occur within area
Pandion haliaetus		
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Pterodroma cervicalis		
White-necked Petrel [59642]		Species or species habitat may occur within area
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Rufous Fantail [592]		Species or species habitat likely to occur within area overfly marine area
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Sterna striata		
White-fronted Tern [799]		Migration route may occur within area
Tringa nebularia		
Common Greenshank, Greenshank [832]	Endangered	Species or species habitat likely to occur within area overfly marine area

Extra Information

EPBC Act Referrals		[Resource Information]	
Title of referral	Reference	Referral Outcome	Assessment Status
Controlled action			
South Sydney Freight Rail Line	2005/2393	Controlled Action	Post-Approval
Not controlled action			
construct access road and install underground water main	2005/2299	Not Controlled Action	Completed
construction of a road linking Newbridge Road and Nuwarra Road	2004/1843	Not Controlled Action	Completed

Title of referral	Reference	Referral Outcome	Assessment Status
Not controlled action			
Development of Surplus Land at the Potts Hill Reservoirs Site for Residential an	2009/4962	Not Controlled Action	Completed
Georges River Program 2	2003/999	Not Controlled Action	Completed
Improving rabbit biocontrol: releasing another strain of RHDV, sthrn two thirds of Australia	2015/7522	Not Controlled Action	Completed
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subdivision and development on the Rhodes Peninsula for residential and commerci	2003/1249	Not Controlled Action	Completed
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Bioregional Assessments			Resource Information
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For threatened ecological communities where the distribution is well known, maps are generated based on information contained in recovery plans, State vegetation maps and remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

Threatened, migratory and marine species

Threatened, migratory and marine species distributions have been discerned through a variety of methods. Where distributions are well known and if time permits, distributions are inferred from either thematic spatial data (i.e. vegetation, soils, geology, elevation, aspect, terrain, etc.) together with point locations and described habitat; or modelled (MAXENT or BIOCLIM habitat modelling) using

Where little information is available for a species or large number of maps are required in a short time-frame, maps are derived either from 0.04 or 0.02 decimal degree cells; by an automated process using polygon capture techniques (static two kilometre grid cells, alpha-hull and convex hull); or captured manually or by using topographic features (national park boundaries, islands, etc.).

In the early stages of the distribution mapping process (1999-early 2000s) distributions were defined by degree blocks, 100K or 250K map sheets to rapidly create distribution maps. More detailed distribution mapping methods are used to update these distributions

4 LIMITATIONS

The following species and ecological communities have not been mapped and do not appear in this report:

- threatened species listed as extinct or considered vagrants;
- some recently listed species and ecological communities;
- some listed migratory and listed marine species, which are not listed as threatened species; and
- migratory species that are very widespread, vagrant, or only occur in Australia in small numbers.

The following groups have been mapped, but may not cover the complete distribution of the species:

- listed migratory and/or listed marine seabirds, which are not listed as threatened, have only been mapped for recorded
- seals which have only been mapped for breeding sites near the Australian continent

The breeding sites may be important for the protection of the Commonwealth Marine environment.

Refer to the metadata for the feature group (using the Resource Information link) for the currency of the information.

Acknowledgements

This database has been compiled from a range of data sources. The department acknowledges the following custodians who have contributed valuable data and advice:

- [-Office of Environment and Heritage, New South Wales](#)
- [-Department of Environment and Primary Industries, Victoria](#)
- [-Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [-Department of Environment, Water and Natural Resources, South Australia](#)
- [-Department of Land and Resource Management, Northern Territory](#)
- [-Department of Environmental and Heritage Protection, Queensland](#)
- [-Department of Parks and Wildlife, Western Australia](#)
- [-Environment and Planning Directorate, ACT](#)
- [-Birdlife Australia](#)
- [-Australian Bird and Bat Banding Scheme](#)
- [-Australian National Wildlife Collection](#)
- [-Natural history museums of Australia](#)
- [-Museum Victoria](#)
- [-Australian Museum](#)
- [-South Australian Museum](#)
- [-Queensland Museum](#)
- [-Online Zoological Collections of Australian Museums](#)
- [-Queensland Herbarium](#)
- [-National Herbarium of NSW](#)
- [-Royal Botanic Gardens and National Herbarium of Victoria](#)
- [-Tasmanian Herbarium](#)
- [-State Herbarium of South Australia](#)
- [-Northern Territory Herbarium](#)
- [-Western Australian Herbarium](#)
- [-Australian National Herbarium, Canberra](#)
- [-University of New England](#)
- [-Ocean Biogeographic Information System](#)
- [-Australian Government, Department of Defence](#)
- [Forestry Corporation, NSW](#)
- [-Geoscience Australia](#)
- [-CSIRO](#)
- [-Australian Tropical Herbarium, Cairns](#)
- [-eBird Australia](#)
- [-Australian Government – Australian Antarctic Data Centre](#)
- [-Museum and Art Gallery of the Northern Territory](#)
- [-Australian Government National Environmental Science Program](#)
- [-Australian Institute of Marine Science](#)
- [-Reef Life Survey Australia](#)
- [-American Museum of Natural History](#)
- [-Queen Victoria Museum and Art Gallery, Inveresk, Tasmania](#)
- [-Tasmanian Museum and Art Gallery, Hobart, Tasmania](#)
- [-Other groups and individuals](#)

The Department is extremely grateful to the many organisations and individuals who provided expert advice and information on numerous draft distributions.

Appendix D: Bionet SEED Map Search Results

Chullora Laydown Area - Flora and Fauna



This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

Notes

Legend

Coastal Management SEPP 2018

Coastal Wetlands



Littoral Rainforests



Coastal Environment Area Map



NSW Bionet Systematic Flora Survey

Flora Plot



Bionet Flora Survey Sites Pcts

Flora Sites (PCT Reference Site)



NSW Bionet Species Sightings

Bionet Species Sightings



Critically Endangered



Endangered



Endangered Population



Endangered Population, Vulnerable



Vulnerable



Presumed Extinct



Not Listed as Threatened

Biodiversity Values

Biodiversity Values



Biodiversity Values



Biodiversity Values added in the last 90 days



0 50 100
m

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

Notes

Legend

Coastal Management SEPP 2018

Coastal Wetlands



Littoral Rainforests



Coastal Environment Area Map



NSW Bionet Systematic Flora Survey

Flora Plot



Bionet Flora Survey Sites Pcts

Flora Sites (PCT Reference Site)



NSW Bionet Species Sightings

Bionet Species Sightings

-  Critically Endangered
-  Endangered
-  Endangered Population
-  Endangered Population, Vulnerable
-  Vulnerable
-  Presumed Extinct
-  Not Listed as Threatened

Appendix E: Heritage NSW Mapping



1: 9,028



458.6 0 229.31 458.6 Meters

WGS_1984_Web_Mercator_Auxiliary_Sphere
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THIS MAP IS NOT TO BE USED FOR NAVIGATION

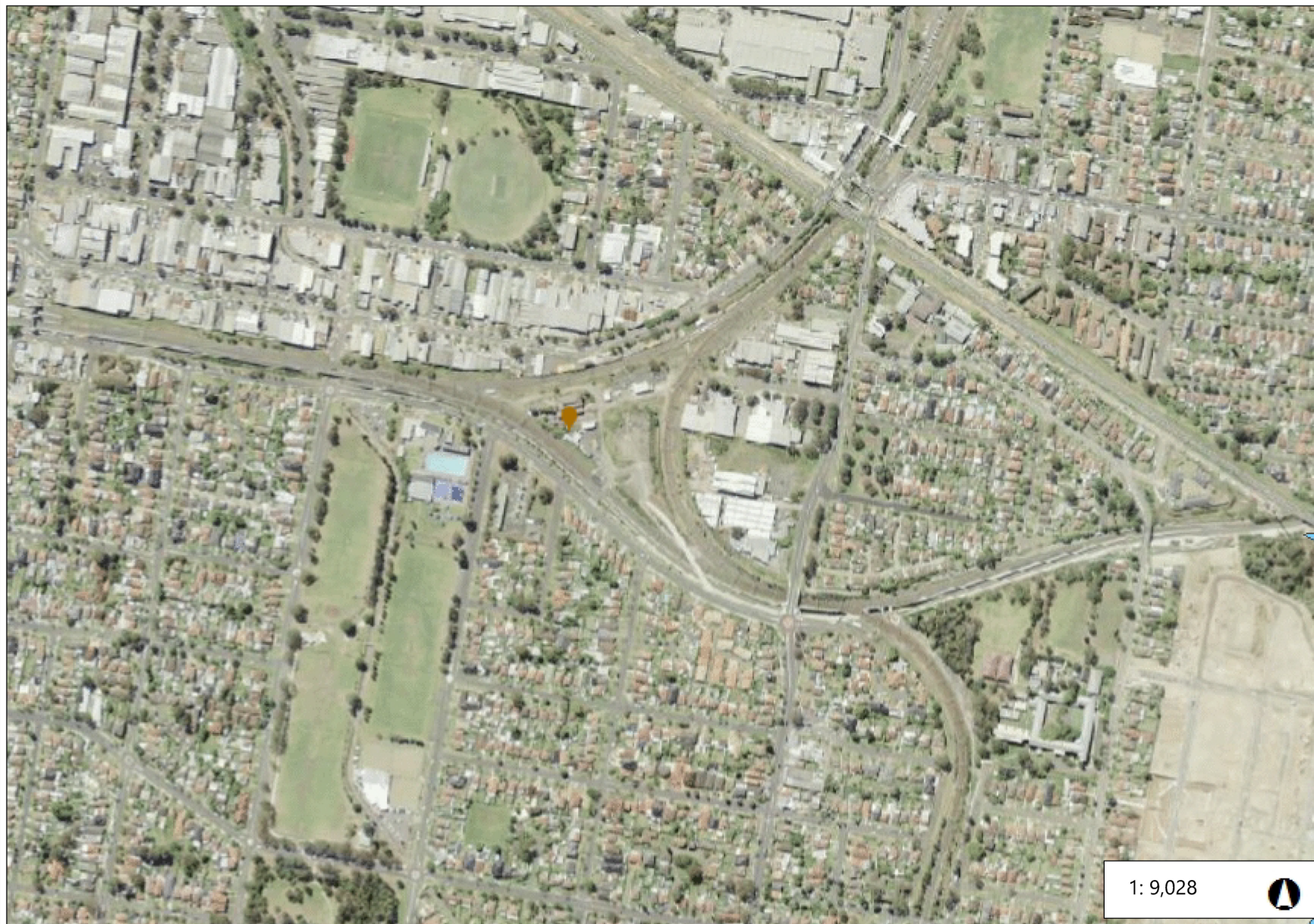


Legend

- World Heritage Areas NSW
- SEPP
- State Heritage Register
- Aboriginal Place
- Local Environmental Plan
 - Cluster (label denotes number)
- Aboriginal Place
 - Cluster (label denotes number)
- State Heritage Register
 - Cluster (label denotes number)
- Interim Heritage Order
 - Cluster (label denotes number)

Notes

Notes



1: 9,028



458.6 0 229.31 458.6 Meters

WGS_1984_Web_Mercator_Auxiliary_Sphere
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THIS MAP IS NOT TO BE USED FOR NAVIGATION



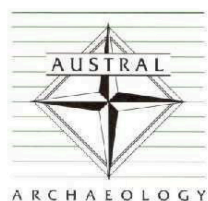
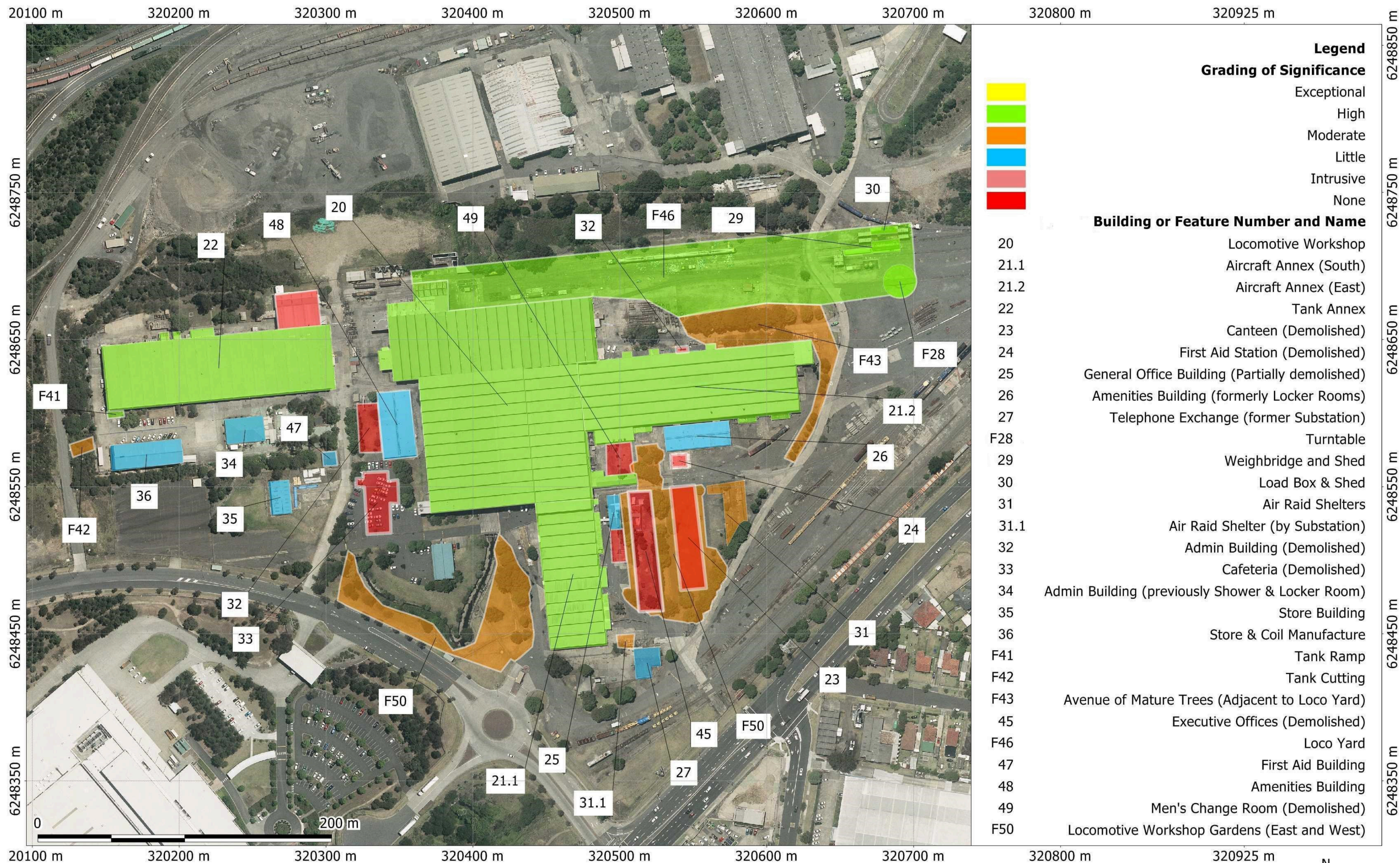
Legend

- ◆ World Heritage Areas NSW
- ◆ SEPP
- State Heritage Register
- Aboriginal Place
- ◆ Local Environmental Plan
 - Cluster (label denotes number)
- ◆ Aboriginal Place
 - Cluster (label denotes number)
- ◆ State Heritage Register
 - Cluster (label denotes number)
- ◆ Interim Heritage Order
 - Cluster (label denotes number)

Notes

Notes

Appendix F: NSW Government State Heritage Inventory (SHI)



Project Name: Chullora Workshops CMP
Client: RailCorp
Project Number: 1129
Drawn By: Redacted

Datum (Zone): Australia MGA94 (56)
Scale: 1:3300
Source Map: From Client
Date: 10 May 2012





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 source or otherwise. Sydney Trains disclaims liability
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1:2500 @ A3

