**ENVIRONMENTAL DESKTOP AND SITE ASSESSMENT**

The aim of the assessment is to identify environmental aspects associated with a project to ensure legislative obligations are met. Mitigation measures are then incorporated into the design, environmental management plan (EMP), site induction, and approvals are gained if required.

The assessment consists of two phases. **Part 1 - Desktop environmental assessment**, and **Part 2 – On site environmental assessment**.

Replace writing in *italics* with your own text. Where an element is not applicable, provide an explanation why it is not.

**Project details**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project title / no.** | *Jambin Goovigen Road Floodways W8899* | | |
| **Desktop assessor(s)** | *Samantha O’Brien* | **Desktop assessment date** | *30/06/2025* |
| **Description of works** | | | |
| Chainage 3450:  Replacement of damaged concrete.  Chainage 9960-10125:  Rehabilitation of existing roadway pavement, rebuilding existing floodway, extending length, excavation of table drain and install rock protection. | | | |
| **Associated documents** | | | |
| [*Design Plans*](file:///\\Bscfile\bscfile\Infrastructure\05%20INF%20Technology\Design\IDP%20Design\2025-26\RD%20-%20Jambin%20Goovigen%20Floodway\6%20Design\4%20IFC%20Deisgn\Certified%20Plans) for Chainage 9960-10125 | | | |

Be **aware of the full scope of works**. Clarify uncertainties before undertaking the assessment.

Become familiar with [Queensland Globe](https://qldglobe.information.qld.gov.au/) (Q Globe) identification layers before you start by using the [Help Section and Tutorial Videos](https://qldglobe.information.qld.gov.au/help-info/). Please contact the Environmental Sustainability Team (ES Team) for further assistance.

# Desktop environmental assessment

## Location

| **Identify** | **Details** | **Source** |
| --- | --- | --- |
| Lot on plan | *NA* | [Queensland Geocoder](https://geocode.information.qld.gov.au/validate)  Q Globe ‘Search’, ‘Land parcels’ layer |
| Latitude and longitude | *CH 3450*    *CH 9960-10125* | Q Globe (bottom left of screen, relates to curser point) |
| Road name and Chainage | *Jambin Goovigen Road*  *CH 3450*  *CH 9960-10125* | KIM |
| Land tenure/ easements/ reserve | *Road parcel* | Q Globe ‘Land parcels’, ‘Land parcel tenure’, ‘Lease and reserve parcel’ layer |

## Watercourses and wetlands

| **Element/aspect** | **Details** | **Requirement/source** |
| --- | --- | --- |
| Watercourses and waterbodies inside and within 50m of the site boundary | *Unnamed Watercourse – Minor Intermittent at Chainage 10045*  *Neville Creek – Minor Intermittent at Chainage 3485* | Q Globe ‘Watercourse’ and ‘Watercourse (defined by Water Act 2000)’ |
| Removal of vegetation from, excavating or placing fill into a watercourse, lake or spring | *Minor regrowth vegetation for removal if required during excavation – 1m deep at rock work* | Department of Local Government, Water and Volunteer’s [Riverine protection permit requirements](https://www.business.qld.gov.au/industries/mining-energy-water/water/authorisations/riverine-protection).  Contact ES Team to check project meets exemption requirements |
| Wetland trigger area | *NA* | Q Globe ‘Wetland protection area’, ‘Trigger area’.  Contact ES Team if works within 200m of a wetland |

## Cultural heritage and Native Title

| **Task** | **Details** | **Requirement/source** |
| --- | --- | --- |
| Cultural heritage and Native Title assessment | *Referred 30.06.25*  *MagiQ ID#1970664* | Follow cultural heritage and native title procedures and assessment |

## Sensitive receptors – dust, noise and vibration, light

| **Identify** | **Details** | **Requirement/source** |
| --- | --- | --- |
| Sensitive receptors for dust | Residences >700m from site  Travelling Public | Q Globe ‘Land use’ |
| Sensitive receptors – sensitive land uses for noise and vibration | Residences >700m from site  Travelling Public | Q Globe ‘Land use’ |
| Sensitive receptors – critical facilities, infrastructure and utilities for noise and vibration | *Reports saved to file.*  *Telstra assets identified in search area for both locations.* | Check [Before You Dig Australia](https://www.byda.com.au/) (BYDA) (registered infrastructure services/pipelines).  Identify services not shown on the BYDA e.g., some pipelines, fibre optics lines, water mains, sewers (some of these are on KIM).  Q Globe ‘Land parcels’ and ‘Petroleum pipeline licence centrelines (ppl)’ |

## Contaminated land

| **Identify** | **Details** | **Source** |
| --- | --- | --- |
| Asbestos containing materials | *Not in a Water or Sewer Retic area.* | Where the site is in a sewered and/or reticulated water area, check KIM for the presence of asbestos (AC) pipes and pits |
| Contaminated Land Register (CLR) / Environmental Management Register (EMR) | *Not listed on CLR/EMR* |  |

## Flora and fauna

| **Element** | **Details** | **Requirement/source** |
| --- | --- | --- |
| Regulated vegetation | *Saved to file.*  *Category B & R*  *Map included below* | Department of Resources [Vegetation map or property report](https://www.qld.gov.au/environment/land/management/vegetation/maps/map-request) (save to file).  Use the Vegetation Management Report if there is a lot on plan number or use the Regulated Vegetation Management Map if only have coordinates |
| Vegetation clearing / Exempt clearing | *Vegetation Management Act 1999* | [List of exempt clearing work under the Vegetation Management framework](https://www.qld.gov.au/environment/land/management/vegetation/clearing-approvals/exemptions), |
| Significant regional ecosystems / protected areas | *Saved to file.* | [Environmental Reports online tool](https://www.qld.gov.au/environment/management/environmental/environmental-reports-online) – Regional ecosystems report (save to file) |
| Protected plants and animals (threatened, near threatened, and special least concern species) | *Saved to file.*  At risk species shown below. | Queensland Government WildNet database – [Request a species list](https://apps.des.qld.gov.au/report-request/species-list/) for a specified point, set by central coordinates, distance 5 km (or to cover whole linear project plus 2 km each side), for all species, native, any status, all records and dates.  A high-risk species management program may be required where threatened species animal breeding places are on the list and identified during a site visit.  ES Team to consider if the project triggers state or federal referral for matters of environmental significance |
|  | | |
| Protected plants high-risk trigger area | *Saved to file.*  *Not in trigger area, but site closet to Goovigen is in close proximity to green zone.* | Department of Environment, Science and Innovation [Protected plants flora survey trigger map](https://apps.des.qld.gov.au/map-request/flora-survey-trigger/) – save to file (maps only valid for 12 months). Entire project disturbance area must be covered.  A flora survey by an ecologist is required for disturbance in a trigger area, few exemptions apply.  Allow several months for survey and approvals.  Refer to DES-EM-32-007 Requirements for Clearing Protected (Native) Plants under the *Nature Conservation Act 1992* Work Instruction |
| Waterway barrier works | *Unnamed Watercourse – Red (High) at Chainage 10045*  *Work Type 2.1*  *Neville Creek – Purple (Major) at Chainage 3485*  *Work Type 2.1* | Q Globe ‘QLD waterways for waterway barrier works’.  Business Queensland [Waterway barrier works](https://www.business.qld.gov.au/industries/farms-fishing-forestry/fisheries/development/waterways/barriers) website, and [Accepted development requirements for operational work that is constructing or raising waterway barrier works](https://www.daf.qld.gov.au/__data/assets/pdf_file/0006/1476888/adr-operational-waterway-barrier-works.pdf).  Pre and post works notification to the administering authority (Department of Primary Industries (DPI)) is required for compliance with the ADR.  A development application is required where the ADR are not met.  Refer to the Working in Watercourses Environmental Procedure (EXEC-PP-PRO-045) |

## Biosecurity

| **Identify** | **Details** | **Source** |
| --- | --- | --- |
| Expected weed / pest species | *Species List saved to file.* | Queensland Government [Environmental Reports online tool](https://www.qld.gov.au/environment/management/environmental/environmental-reports-online) – Weed list report, or WildNet database – [Request a species list](https://apps.des.qld.gov.au/report-request/species-list/) for a specified point, set by central coordinates, distance 5 km (or to cover whole linear project plus 2 km each side), for all species, introduced, any status, all and more recent records (save to file).  Review or print DPI fact sheets for [Prohibited invasive plants](https://www.business.qld.gov.au/industries/farms-fishing-forestry/agriculture/biosecurity/plants/invasive/prohibited) and [Restricted invasive plants](https://www.business.qld.gov.au/industries/farms-fishing-forestry/agriculture/biosecurity/plants/invasive/restricted) for site visit |
|  | | |

## Sourcing of construction materials

| **Identify** | **Details** | **Requirement/source** |
| --- | --- | --- |
| Water take | *Biloela Standpipe* | Water sourcing will be conducted in accordance with the Department of Regional Development, Manufacturing and Water’s (DRDMW) [Exemption requirements for constructing authorities for the take of water without a water entitlement](https://www.resources.qld.gov.au/?a=109113%3Apolicy_registry%2Fexemption-taking-water-without-entitlement.pdf) (OSW/2020/5467)  Refer to Water Take for Constructing Authorities Work Instruction (DES-EM-32-002) and Infrastructure Services’ Water Take Point Notification Spreadsheet and KIM Layer. |
| Quarry materials | *Commercial Quarry* | The Forestry Quarry Management Plan (DES-EM-06-001) is to be followed where extraction is from an Endorsed Quarry Area under sales permits |

## Maps and plans

|  |
| --- |
| *Protected Plants Trigger Map* |
| *Regulated Vegetation Map* |
|  |

# On site environmental assessment

|  |  |  |  |
| --- | --- | --- | --- |
| **Site assessor(s)** | *Cathy Collins* | **Site visit date** | *04/08/2025* |

Take photos of all elements for evidence and potential inclusion in the EMP (e.g., animal breeding places, invasive weeds, habitat trees, waste and erosion).

## Flora and fauna

| **Identify** | **Details** | **Purpose/follow up** |
| --- | --- | --- |
| Protected animals, their breeding places and habitat | *Three large trees at chainage 3500 RHS, potential animal breeding places.*  *Additional onsite assessment may be required if these trees are to be removed.*  *A spotter/catcher to be engaged as part of clearing activities.* | The ES Team is to be consulted where works are likely to interact with actual or potential animal breeding places.  A suitably qualified and experienced person (licenced spotter/catcher) must be engaged if tampering with breeding places (damage, destroy, mark, move or dig up).  A high-risk species management program may be required where special least concern, endangered, threatened or near threatened species/animal breeding places are on the list and identified during a site visit. EMP update will also be required.  Refer to the Protected (Native) Animal Breeding Places and Species Management Program Procedure |
| Habitat trees | *Refer to above comment regarding the habitat trees.* | Discuss with project team to retain explore possibilities of modification to project to retain habitat trees.  Exclusion barriers (mesh) to be erected around significant vegetation that is to be retained.  Vehicles are not to be parked under driplines of vegetation that is to be retained |
| Protected plants | *No protected plants identified within the disturbance area..* | If these species are present, requirements exist. Refer to DES-EM-32-007 Requirements for Clearing Protected (Native) Plants under the *Nature Conservation Act 1992* Work Instruction Contact the ES Team for assistance.  Mapped high risk trigger areas will already require a flora survey and clearing permit.  Allow several months for survey and approvals |

## Biosecurity

| **Identify** | **Details** | **Source, purpose/follow up** |
| --- | --- | --- |
| Evidence of prohibited or restricted weeds or pests | *Mother of millions*  *Harrisia cactus* | Contact Land Protection Officers for management advice prior to commencing works |

## Erosion and sedimentation

| **Identify** | **Details** | **Source, purpose/follow up** |
| --- | --- | --- |
| Erosion areas | *Low risk erosion potential.*  *Use of core logs and silt fences to be used where appropriate.* | Visual evidence of erosion/rills or potential problem areas.  For erosion and sediment control considerations and site-specific information, refer to the Erosion and Sediment Control Plan.  Discuss with ES Team if severe erosion is present |

## Contamination and waste

| **Identify** | **Details** | **Source, purpose/follow up** |
| --- | --- | --- |
| Waste produced from the site | *Spoil, concrete, concrete washout residuals.* | Contact Waste Services for disposal advice.  Discuss potential reuse of materials with Infrastructure Services |

## Sourcing of construction materials

| **Identify** | **Details** | **Source, purpose/follow up** |
| --- | --- | --- |
| Water take point | *Biloela standpipe.* | Ensure compliance with DRDMW [Exemption requirements for constructing authorities for the take of water without a water entitlement](https://www.resources.qld.gov.au/?a=109113%3Apolicy_registry%2Fexemption-taking-water-without-entitlement.pdf) (OSW/2020/5467) – 25% of depth available for take.  If a new water take point is proposed, notification to DLGWV required no less than 10 business days prior to take |

## Suitable locations for stockpiles, parking, storage

| **Identify** | **Details** | **Source, purpose/follow up** |
| --- | --- | --- |
| Material stockpiles, chemical storage areas etc. within 50m of a watercourse | *Limited information.* | ES Team to discuss adequate environmental protection measures with Project Coordinator/Supervisor |

| **Site set up** |  |
| --- | --- |
| *Identify suitable sites away from sensitive areas (e.g. protected plants trigger or essential habitat mapped areas, watercourses, noise sensitive receptors) for ancillary activities.*  *Add to site map/diagram* | Consider sites for:   * Stockpile sites * Turnaround points * Construction water * Material sources * Waste disposal * Chemical and fuel storage * Site office * Parking locations * Access and side tracks * Borrow pits * Concrete washout |

# Improvement opportunities

| **Environmental improvement opportunities at the site** |
| --- |
| *(List any potential opportunities to improve the condition of the environment at the site/from the project or reduce the disturbance footprint)* |