

Development Application - Unzoned Land Clearing – Section 46(3) Planning Act 1999

CONTEXT: This form can be used to apply for a clearing permit for unzoned land. The questions in this application form seek to help you address section 46(3) of the [Planning Act 1999](#), and the performance criteria for the application, which is specified in Clause 3.2 CNV – Clearing of Native Vegetation of the [Northern Territory Planning Scheme 2020](#). For further information contact the Vegetation Assessment Unit, Department of Lands, Planning and Environment (DLPE) on (08) 8999 4454 or refer to the following website: [Apply to clear freehold land | NT.GOV.AU](#).

The [Northern Territory Planning Scheme Land Clearing Guidelines](#) (NTPS LCG) are designed to assist landholders and the consent authority to decide which areas are suited to development and those that should be left in their natural state to help protect the environment and maintain biodiversity. Development applications for the purpose of clearing of native vegetation must consider the NTPS LCG. Additional guidance can be found in the [Northern Territory Planning Scheme Land Clearing Guidelines](#) (NTPS LCG).

PRE-LODGE: Applications will be screened by the Vegetation Assessment Unit, DLPE before being accepted for assessment to ensure applications contain all the information required to enable assessment. Incomplete applications will not be accepted. Applicants are encouraged to contact the Vegetation Assessment Unit to discuss their application prior to lodgement.

LODGE: Submit the completed form along with all required attachments and associated spatial data (e.g. proposed clearing shapefile, land types shapefile) through [Development Applications Online](#).

INFORMATION: The DLPE respects and is committed to safeguarding the confidentiality and privacy of the information that it collects and handles, in accordance with the [Northern Territory Information Act 2002](#). You have been asked to provide personal information necessary for us to accept the application. You do not have to provide your personal information but if you choose not to, it may impact the processing of the application. The information you provide will be accessible to the public. You may request access to the personal information we hold about you. To find out more read [our privacy policy](#). If you want more information about the Northern Territory's privacy laws, please refer to the [Northern Territory Information Act 2002](#), or the Office of the Information Commissioner NT.

1. Application details

Property Address:	133 Stephen Road Marrakai
Tenure Reference Type (e.g. Freehold, crown lease):	Estate in fee simple
Property Name (if applicable):	
Proposed Clearing Area (ha):	12.5 Ha
Document Version Number:	
Date:	11/05/26

2. Applicant details

Under section 46(1) of the *Planning Act 1999*, an application for a development application may only be made by the owner of the land, or a person authorised in writing by the owner.

Owner's authorisation is required in writing if the applicant is not the owner or the sole property owner. If the land is owned by a company or body corporate, written authorisation should be obtained from the company director/s or from the body corporate. If the land is owned by more than one person or company, written authorisations should be obtained from each person or company named on the title. Download the [Land owner/s authorisation to lodge a development application](#).

Authorisation should be dated within 6 months of the date of the application.

Applicant name:	MEKONG ENTERPRISES PTY LTD
Applicant ABN:	17692883622
Applicant email/postal address:	
Contact Person name*:	Israel K
Contact Person telephone:	0417787473
Contact Person email:	Israel.k@oneplanningconsult.com.au
Contact Person postal address:	P.O Box 42279 Casuarina NT 0811

*All correspondence regarding the application will be directed to the contact person.

Attach Land owner/s Authorisation form.

Attachment No: 6 _____

3. Pre-lodgement meeting

3.1 Provide details of any pre-lodgement meetings held regarding this application.

Note: DLPE recommend a pre-lodgement meeting for all applications.

Enter the date, DLPE contact name and any issues raised at the pre-lodgement meeting.

Thu 26/03/2026 10:00 AM - 11:00 AM, Meeting with Kate Quinn. Identify the clearing that has occurred and the proposed clearing taking into consideration the existing streamline.

4. Description of proposal

4.1 Provide an overview summarising the proposed development.

Include any relevant information or details you wish to be considered that is not captured in the following sections, including design rationale.

The proponent proposes to develop the approximately 20-hectare unzoned bush block Section 4598, 133 Stephen Road, Marrakai, NT, for horticultural purposes including annual (Okra, Long Melon, Bitter Melon, Bettal Leaves, Taro, basil, kang kong), perennial crops (Mango's, Jackfruit, Rambutan, Hog Plums, Star Apple) and any other crops based on regional successes.

5. Merits of the proposal

5.1 Describe the merits of the proposal and how it will benefit the economy, society or environment.

Include any relevant information or details of the merits of the proposal

The proposal will service markets in southern Australia with fresh fruit and vegetable produce. The proponent has commercial connection to commercial fruit and vegetable markets interstate and experienced agricultural labour in the local Vietnamese community. The proponent is an experienced operator of commercial irrigated horticultural enterprises. The development will also create local employment opportunities and serve local market.

6. Existing clearing

6.1 Provide details of the extent of existing clearing within the property.

Note: Land clearing approvals are published online at [Unzoned land clearing applications and approvals | NT.GOV.AU](https://www.nt.gov.au/land-clearing/).

Year cleared	Site	Area (ha)	Permit No.	Area within proposed clearing extent (ha)	Description
2025	POLYGON 1	4.1 Ha	NA	12.5	Area on the northern extent of Section 4598 adjacent to Stephen Road was cleared without requiring a permit.
	Total:	4.1 Ha			

■ Attach a map and/or spatial data showing areas of existing clearing within the property.

Attachment No: 1 Existing Land clearing map SECTION 4598 MARRAKAI _____

7. Proposed clearing?

Site Id	Proposed Use	Area (ha)
Polygon 1	Irrigated horticulture	4.1
Polygon 2	Irrigated horticulture	5.3
Polygon 3	Irrigated horticulture	3.2
Total:		12.5

■ Attach any relevant information about the intended use. For example see, [Agnotes, technotes and technical bulletins | Department of Agriculture and Fisheries](#)

Attachment No: 2_soil-land-suitability-assessment-irrigated-agriculture-wildman-river

7.2 Provide a proposed clearing plan.

The proposed clearing plan is a map showing the location of the proposed clearing area/s as identified in Section 7.1. The plan must include:

- The map datum (preferred: GDA94);
- The map projection or zone;
- A north arrow;
- A grid or scale bar;
- A suitable background (e.g. cadastre and aerial/satellite imagery); and
- Area (in hectares) of each polygon (preferred: GDA94 Australian Albers projection).

Document	Attachment Number
■ Attach proposed clearing plan	3b
■ Attach clearing plan spatial data* Note: Spatial data can be placed into a zip folder for upload to Development Applications Online or emailed to: landclearing.DLPE@nt.gov.au	3A

*Please refer to the spatial data requirements: [Spatial data for clearing applications | NT.GOV.AU](#).

8. Water Resources

8.1 Does the proposed use require irrigation?

■ Yes No

8.2 Provide details regarding the proposed water requirements for each proposed crop/use.

The landowner has installed a groundwater bore screened at approximately 90 m and producing approximately 10 L/sec.

Note: If the proposal requires irrigation and a Water Extraction Licence (WEL) has not been issued please contact Water Resources Division, DLPE by email waterresources@nt.gov.au or telephone: (08) 8999 4455 for advice. For further information visit [Water | NT.GOV.AU](#). Pre-lodgement advice should be sought for

consideration streamlining the regulatory approval process. To discuss, contact the Development Coordination Branch by email landclearing.DLPE@nt.gov.au or (08) 8999 4454.

Crop/use & polygon	Area (ha)	Water required (ML/year)	Water source	Licence required (yes/no)	Licence No. or application status
horticulture	10	30	groundwater		
Total:		30			

Attach a copy of any relevant licences.

Attachment No: _____

8.3 Are you proposing to clear in a Water Control District?

For more information refer to section 4.5.3 of the NTPS LCG or use NR Maps to view [WCDs](#).

Yes No

Identify the Water Control District and any beneficial uses as declared under the Water Act 1992

[Insert free text]

9. Land Resources

Note: Land resource mapping and soil site data is available on [NR Maps](#). This broad scale mapping can provide useful information and guidance with respect to planning a more detailed site-specific resource assessment to prepare a Land Type map. For further information visit [Land, soil and vegetation information | Department of Lands, Planning and Environment](#).

9.1 Provide a Land Type map for the proposed clearing extent.

Note: Consideration of an application cannot proceed without the collection and orderly presentation of field-verified site-specific data and mapping. In accordance with the NTPS LCG (section 4.2.3) all clearing applications need to be accompanied by an appropriate soil, vegetation and land resource assessment in the form of a Land Type map at a scale of 1:5,000 to 1:20,000.

Document	Attachment Number
<input checked="" type="checkbox"/> Attach a Land Type map for the proposed clearing extent.	4
<input checked="" type="checkbox"/> Attach one Land Type description for each Land Type unit (use proforma at Appendix A – Land Type description proforma).	
<input checked="" type="checkbox"/> Attach Land Type spatial data*	4a
<input checked="" type="checkbox"/> Attach supporting field verified data (e.g. spatial data* of site inspection track, site locations, photo points and photos).	4b

*Please refer to the spatial data requirements: [Spatial data for clearing applications | NT.GOV.AU](#).

9.2 Provide a Land Capability Assessment (LCA).

Note: Land capability evaluates a common set of broad land-based development constraints and determines the appropriateness of the land in general for a broad range of land uses.

In accordance with the NTPS LCG, a LCA (section 4.2.7) evaluates the key soil and land resource attributes recorded within a Land Type map against a defined set of criteria to determine an overall Land Capability Class.

Document	Attachment Number
■ Attach a LCA table for Land Types within the proposed clearing extent (use proforma at Appendix B – Land Capability Assessment table).	5
■ Attach a map of the proposed clearing extent showing the Land Types' overall Land Capability Classes.	5a

Note: Some projects may also require a land suitability assessment (LSA) to assess the potential of a soil or land resource for a specific irrigated agricultural land use (refer to section 4.2.8 of the NTPS LCG). To determine if a LSA is required, contact the Land Assessment Branch, DLPE (08) 8999 4443.

10. Biodiversity

10.1 Describe any records of threatened flora and fauna species or migratory species listed under the *Territory Parks and Wildlife Conservation Act 1976* (TPWC) or the *Commonwealth Environment Protection and Biodiversity Conservation Act 1999* (EPBC) within 20km of the proposed clearing extent.

Also describe any such species for which there are no records but have a reasonable likelihood of occurring within the habitats (i.e. Land Types) comprising the proposed clearing extent.

Note: Threatened flora and fauna species and migratory species records can be found using [NR Maps](#) or [Protected Matters Search Tool - DCCEEW](#). For further information contact the Flora and Fauna Division, DLPE via email Biodiversity.Assessments@nt.gov.au or telephone: (08) 8995 5000.

Add additional rows to the table as needed.

Common name	Species name	TPWC Act listing	EPBC Act listing	Location
Mertens' Water Monitor	<i>Varanus mertensi</i>	vulnerable	Endangered	known in feature area
Northern Quoll	<i>Dasyurus hallucatus</i>	vulnerable	Endangered	known in feature area
Gouldian Finch	<i>Chloebia gouldiae</i>	vulnerable	Endangered (listed as <i>Erythrura gouldiae</i>)	known in feature area
Northern Brushtail Possum	<i>Trichosurus vulpecula arnhemensis</i>	vulnerable	Vulnerable	likely in feature area
Grey Falcon	<i>Falco hypoleucos</i>	vulnerable	Vulnerable	known in feature area
Australian Snubfin Dolphin	<i>Orcaella heinsohni</i>	vulnerable	Vulnerable	marine
null	<i>Goodenia quadrifida</i>	vulnerable	Vulnerable	known in feature area
Partridge Pigeon (eastern)	<i>Geophaps smithii smithii</i>	vulnerable	Vulnerable	known in feature area
Brush-tailed Rabbit-rat, Brush-tailed Tree-rat, Pakooma	<i>Conilurus penicillatus</i>	vulnerable	Vulnerable	may occur in feature area
Plains Death Adder	<i>Acanthophis hawkei</i>	vulnerable	Vulnerable	known in feature area
Flatback Turtle	<i>Natator depressus</i>	vulnerable	Vulnerable	marine
Green Turtle	<i>Chelonia mydas</i>	vulnerable	Vulnerable	marine
Hawksbill Turtle	<i>Eretmochelys imbricata</i>	vulnerable	Vulnerable	marine
Fawn Antechinus	<i>Antechinus bellus</i>	vulnerable	Vulnerable	Likely
Green Sawfish, Dindagubba, Narrowsnout Sawfish	<i>Pristis zijsron</i>	vulnerable	Vulnerable	marine
Bare-rumped Sheath-tailed Bat, Bare-rumped Sheath-tail Bat	<i>Saccolaimus saccolaimus nudicluniatus</i>	vulnerable	Vulnerable	Likely
Dwarf Sawfish, Queensland Sawfish	<i>Pristis clavata</i>	vulnerable	Vulnerable	marine
Australian Humpback Dolphin	<i>Sousa sahalensis</i>	vulnerable	Vulnerable	marine
Greater Sand Plover, Large Sand Plover	<i>Charadrius leschenaultii</i>	vulnerable	Vulnerable	littoral migratory
Sharp-tailed Sandpiper	<i>Calidris acuminata</i>	vulnerable	Vulnerable	littoral migratory
<i>Tyto novaehollandiae kimberli</i>	Masked Owl (northern)	Vulnerable	Vulnerable	Likely
<i>Xeromys myoides</i>	Water Mouse, False Water Rat, Yirrkoo	Vulnerable	Vulnerable	Likely
<i>Phascogale pirata</i>	Northern Brush-tailed Phascogale	Vulnerable	Vulnerable	Likely
<i>Macroderma gigas</i>	Ghost Bat	Vulnerable	Vulnerable	Likely

10.2 Describe potential impacts to species identified above from the proposed clearing.

Five species that are listed as critically endangered were identified, which may occur either on site or within a 20km buffer, in the list of 43 threatened species. Threatened species management will rely on a riparian conservation corridor in the land clearing plan to minimise on-site and off-site ecological impacts. This strategy is applied across the list of threatened species. To avoid repetition, risks from potential impacts are tabled for the five critically endangered species on the list of 43 threatened species.

Note: To determine the risk to threatened species, information should be considered at the scale of the proposed clearing and at a regional context. Consider any associations that the species may have with landforms, vegetation structure or dominant plant species proposed for clearing.

Common name	Potential impact	Risk*	Justification
Eastern Curlew, Far Eastern Curlew	none	low	It is unlikely to cause offsite impacts to the identified species.
Northern Blue-tongued Skink	loss of habitat	medium	The extent of clearing is small as a proportion of regional habitat available.
Speartooth Shark	none	low	The land clearing is unlikely to cause offsite impacts to the identified species.
Mitchell's Water Monitor	loss of habitat	medium	The extent of clearing is small as a proportion of regional habitat available.
Curlew Sandpiper	none	low	The land clearing is unlikely to cause offsite impacts to the identified species.

*Use the following risk matrix (adapted from Table 17 in the NTPS LCG):

Risk rating	Characteristics
Low	The proposed clearing extent is characterised by a combination of factors such as: <ul style="list-style-type: none"> • It is a relatively small area • It does not contain sensitive or significant vegetation • It is unlikely to provide habitat for the identified species • It is unlikely to cause offsite impacts to the identified species.
Medium	The proposed clearing extent has characteristics between the Low and High risk classes. (e.g. it may support the identified species, however the local occurrence of the species may not be considered significant or the extent of clearing as a proportion of habitat available to the species may be sufficiently small enough to not pose a High risk).
High	The proposed clearing extent is important habitat for the identified species. Note: If the clearing has the potential to negatively impact the species identified, even a small clearing extent could be categorised as high risk.

10.3 Identify which of the following types of sensitive features are present within and in proximity to the proposed clearing extent.

Feature	NTPS LCG	Present/Absent*
Sensitive or significant vegetation such as rainforest, vine thicket, closed forest, riparian vegetation, mangroves and vegetation containing large trees with hollows suitable for fauna.	Section 4.4.6	absent
Drainage depressions, streams, creeks and rivers	Section 4.4.7	present
Wetlands and Groundwater Dependent Ecosystems	Section 4.4.8	absent
Sinkholes	Section 4.4.9	absent

*If present, features must be ground-truthed in order to determine the adequacy of any proposed buffer.

Document	Attachment Number
■ Attach a map showing the location/s of these features	5

Attach supporting field verified data (e.g. spatial data of site inspection track, site locations, photo points and photos)

10.4 Identify the individual sensitive features within and in proximity to the proposed clearing extent and the associated Land Type.

Note: Refer to the relevant sections of the NTPS LCG (identified above) for information regarding recommended native vegetation buffer widths and value attribution.

Feature	Land Type	Value / Order	Location in relation to proposed clearing extent	NTPS LCG recommended buffer width (m)	Proposed buffer width (m)
Riparian vegetation	4e	1st order stream	between polygon 3 and polygon 4	25	25

10.5 Provide reasons for discretion and describe proposed mitigation measures for any proposed buffers that are not consistent with the NTPS LCG recommendations.

Note: Additional supporting evidence should be attached.

Feature	Reasons for discretion	Proposed mitigation
drainage depression 1st order stream riparian vegetation	complies with LCG	LCG Table 19 recommended riparian buffer

Attach relevant supporting evidence.

Attachment No: _____

10.6 Identify the wildlife corridors to be retained within proximity of the proposed clearing extent and reasons for siting and design.

Note: A corridor of 100m is considered the minimum width to be viable in the NT context for clearing between 100 and 500ha. A corridor of 200m is considered to be the minimum width for clearing greater than or equal to 500ha. As a default, corridor density should be at a rate of one corridor per linear kilometre of clearing or equivalent – refer to NTPS LCG section 4.4.10.

Note: Question 3 in the Land Management Plan (template available at **Appendix E – Land Management Plan**) addresses property boundary buffers.

Corridor ID	Location	Proposed width (m)	Justification
Riparian corridor (Land Type 4e)	Between polygons 2 and 3	150-250m	Protects local biodiversity and downstream water quality. Connects areas of species X habitat in the broader landscape, conserves riparian habitat on the property and protects downstream water quality.

10.7 Does the proposed clearing or property fall wholly or partly within, or is adjacent to, areas recognised as having biodiversity value/s?

Note: A biodiversity value may be recognised as: internationally – Ramsar Convention; or nationally – Directory of Important Wetlands in Australia, important wetlands, Sites of Conservation Significance (SoCS), sites on the Register of the National Estate, National Parks, Priority Environmental Management Areas, Conservation zones*.

Yes No

10.8 Describe conservation areas and natural features.

Description of conservation area	Distance to proposed clearing	Identified values present within clearing area? Y / N
Mary River coastal floodplain	20 km	N
Adelaide River coastal floodplain	20 km	N
Groundwater dependent ecosystems (monsoon vine thicket)	5 km	N
Djukbinj National Park	2 km	Y

Show the location of any conservation areas in proximity to the proposed clearing footprint on the land type map and clearing plan.

*Information about conservation areas can be found at:

- Section 4.4.5 of the NTPS LCG
- [NT Sites of Conservation Significance](#)
- [Directory of Important Wetlands in Australia](#)
- [Australia's Ramsar Sites](#)
- [NR Maps Parks and Reserves](#)

10.9 Assess the risk of the proposed clearing to regional biodiversity and provide an overall risk rating.

Note: To determine the risk to regional biodiversity, information is to be considered at the scale of the proposed clearing footprint and evaluated within a regional context. Refer to Section 4.4.2 and 4.4.3 of the NTPS LCG or contact the Flora and Fauna Division, DLPE via email Biodiversity.Assessments@nt.gov.au or telephone: (08) 8995 5000.

Consideration	Yes/No	Explain
Are there any important biodiversity values within the proposed clearing extent?	No	A drainage depression and 1st order riparian habitat are excluded from the clearing extent.
Are there any important biodiversity values within proximity of the proposed clearing extent?	No	Riparian refugia for species of heightened conservation value
Does the proposed clearing have the potential to impact any important biodiversity values?	No	Clearing and development plans are consistent with surrounding, existing horticultural development in the Marrakai subdivision.
Have all reasonable alternatives been considered to avoid impacts to important biodiversity values?	Yes	Excluding the drainage depression and riparian area is designed to avoid potential direct impact to biodiversity values.
What is the overall biodiversity risk rating (Low, Medium, High)?	Low	Clearing in below areas triggering significant risk

11. Infrastructure and amenity

11.1 Describe any public facilities, utilities or infrastructure within the locality and how any potential impacts from the proposed clearing development will be managed.

Infrastructure	Location	Potential impacts	Proposed mitigation
Stephen Road	road frontage	increased traffic	communicate with neighbours, comply with load limit.

11.2 Identify any public roads within 200m of the proposed clearing extent.

Note: Refer to NTPS LCG sections 4.3.5 and 4.3.5.1.

Please contact the relevant road authority if access from a public road is required.

For land adjoining a Northern Territory Government road reserve, Transport and Civil Services Division of the Department of Logistics and Infrastructure generally recommend that a vegetated buffer of a minimum width of 50m, be retained as native vegetation or established groundcover to reduce overland flow.

Please note that road buffers do not replace the need for the retention of appropriate property boundary buffers in accordance with the NTPS LCG Section 4.3.3.

Road name	Distance from proposed clearing extent (m)
Stephen Road	200 m

11.3 Assess the risks posed to the following public values and the proposed mitigation measures.

Note: Risk assessment should describe the likelihood of impacts occurring and the potential consequences.

Value	Risk and consequence	Mitigation
Amenity	low	
Recreation	low	
Tourism	low	

12. Land Management

12.1 Attach land management plans

Document	Attachment Number
<input type="checkbox"/> Attach a proposed Establishment Plan (see template at Appendix C – Establishment Plan)	
<input checked="" type="checkbox"/> Attach a proposed Staging Plan (see template at Appendix D – Staging Plan)	
<input checked="" type="checkbox"/> Attach a proposed Land Management Plan, including slope and runoff map (see template at Appendix E – Land Management Plan)	

13. Weed Management

13.1 List all weeds declared under the *Weeds Management Act 2001* present within the property and describe the proximity of species to the proposed clearing extent.

Note: For information refer to section 4.6 of the NTPS LCG.

Further information can be found at [Weeds | NT.GOV.AU](https://www.nt.gov.au/land-planning-environment/weeds/) and [NR Maps](#).

Weed species	Class	Location	Density
<i>Hyptis suaveolens</i>	Class B	Uncleared woodland	Common component in woodland groundcover
<i>Cenchrus polystachios</i>	Class B	Stephen Road reserve	isolated clumps
<i>Andropogon gayanus</i>	Class A	Stephen Road reserve	isolated clumps

13.2 Provide details of weed management on the property.

Note: Consider whether the weed has a statutory Weed Management Plan. Information available at [Weed management plans and regional strategies | NT.GOV.AU](https://www.nt.gov.au/land-and-environment/land-clearing/weed-management-plans-and-regional-strategies/).

Weed species	Management aim	Method	Current / Proposed
<i>Hyptis suaveolens</i>	targeted control	chemical control	proposed
<i>Cenchrus polystachios</i>	targeted control	chemical control	proposed
<i>Andropogon gayanus</i>	targeted control	grubbing, chemical control	proposed

Attach supporting information (e.g. a property weed management plan)

Attachment No: _____

14. Cultural Heritage

14.1 Contact the Heritage Branch, DLPE for advice regarding the proposed clearing in relation to the *Heritage Act 2011*.

The Heritage Branch can be contacted via email: heritage.branch@nt.gov.au or telephone (08) 8999 5039.

Attach a copy of the advice from Heritage Branch. Attachment No: _____

14.2 Provide details of any heritage or archaeological surveys conducted within the property and any findings relevant to the proposed clearing extent.

Survey name	Year conducted	Completed by	Findings relevant to the proposed clearing extent

Attach relevant information from the survey relevant to the proposed clearing extent (e.g. maps, site descriptions). Attachment No: _____

14.3 Provide details of any known (i) places, (ii) archaeological places, or (iii) Aboriginal or Macassan archaeological places, within the meaning of the *Heritage Act 2011* located within the property.

For more information go to [Heritage Register: search for places or objects | NT.GOV.AU](https://www.nt.gov.au/heritage/register/search-for-places-or-objects/).

Note: Risk assessment should describe the likelihood of impacts occurring and the potential consequences.

Place / Site	Location in relation to the proposed clearing extent	Risk	Mitigation

Attach a map showing the location of any declared sites/places in proximity to the proposed clearing extent. Attachment No: _____

14.4 Aboriginal Areas Protection Authority (AAPA) Abstract of Records

Contact AAPA to obtain an Abstract of Records online at [Request for Information | Aboriginal Areas Protection Authority](https://www.aapa.gov.au/Request-for-Information-Aboriginal-Areas-Protection-Authority).

Note: Consent is required from AAPA to share the Abstract of Records with the Department of Lands, Planning and Environment, and the relevant Land Council for the purpose of lodging a land clearing application. Please request consent directly from AAPA.

Document	Attachment Number
<input type="checkbox"/> Attach the Abstract of Records	
<input type="checkbox"/> Attach consent to share Abstract of Records	

14.5 Provide details of any sacred sites within the meaning of the *Northern Territory Aboriginal Sacred Sites Act 1989* located within proximity of the proposed clearing extent.

For more information contact the [Aboriginal Areas Protection Authority](https://www.aapa.gov.au/).

Note: Risk assessment should describe the likelihood of impacts occurring and the potential consequences.

Site	Location in relation to the proposed clearing extent	Risk	Mitigation

Attach a map showing the location of any declared sites in proximity to the proposed clearing extent. Attachment No: _____

14.6 Have you, or do you intend to apply for an Authority Certificate?

Yes No

If yes, please provide a copy of the Authority Certificate as part of the application or before the application is determined. Attachment No: _____

15. Environment Protection

Proposals that have the potential to have a significant impact on the environment require a referral to the Northern Territory Environment Protection Authority (NT EPA) in accordance with the *Environment Protection Act 2019*.

Refer to the document [Referring a proposal to the NT EPA](#) or contact the Environment Division, DLPE via telephone (08) 8924 4218 or email eia.ntepa@nt.gov.au for further information.

Note: An applicant is required to self-refer, or obtain appropriate advice from the NT EPA that self-referral is not required, if the proposed clearing results in a total of 5,000ha to be cleared in aggregate.

If a project is assessed and granted an environmental approval under the *Environment Protection Act 2019* then a land clearing permit granted under the *Planning Act 1999* is not required.

15.1 Has the application been referred for assessment under the *Environment Protection Act 2019*?

Yes, referred

No, not referred. A completed referral checklist is required, see section 2.2 of [Referring a proposal to the NT EPA](#).

Document	Attachment Number
<input type="checkbox"/> Referred: Attach advice from the NT EPA	
<input checked="" type="checkbox"/> Not referred: Attach a completed referral checklist located in Appendix 1 of Referring a proposal to the NT EPA	

15.2 Assess the risks associated with the following potential pollutants from clearing and development works and describe the proposed mitigation measures.

Consideration of risk should include potential sources, the likelihood of impacts occurring and the potential consequences.

Note: Under the *Waste Management and Pollution Control Act 1998* everyone in the NT has a 'general environmental duty' to not carry out any activity that causes or is likely to cause environmental harm, unless measures to prevent or minimise the harm have been taken. For more information refer to the following website [Environmental obligations and duties | NTEPA](#) or contact the Environment Division, DLPE via telephone (08) 8924 4218 or email pollution@nt.gov.au.

For information regarding spray drift and the *Agricultural and Veterinary Chemical (Control of Use) Act 2004* contact Chemicals Services, Department of Agriculture and Fisheries via email chemicals@nt.gov.au or telephone 08 8999 2344.

Potential pollutants	Risk	Mitigation
Dust	low	avoid windy conditions
Chemical spray drift	low	avoid windy conditions
Chemical runoff (to surrounding land or riparian systems)	low	vegetated buffers

Groundwater contamination	low	spill controls
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16. Other relevant information

16.1 Provide any additional relevant information not addressed above and outline in the table below.

Description	Attachment Number

17. Checklist of Attachments and Required Spatial Data

Complete the following checklist.

Note: Spatial data for the items indicated must be provided before the application will be accepted. ESRI shapefile (.shp) is the preferred format. Please refer to the spatial data requirements: [Spatial data for clearing applications | NT.GOV.AU](#). Contact landclearing.DLPE@nt.gov.au for assistance.

Attachment No.	Name	Question No.	Spatial data
	Owners/s Authorisation form	2	N/A
	Map of existing clearing	6.1	Required
	Relevant information about the intended use	7.1	N/A
	Proposed clearing plan and spatial data	7.2	Required
	Water licence &/or bore reports	8.2	N/A
	Land Type map and spatial data	9.1	Required
	Land Type descriptions	9.1 / Appendix A	N/A
	Supporting field data	9.1	Required
	LCA table	9.2 / Appendix B	N/A
	LCA map	9.2	N/A
	LSA report and map	9.4	N/A
	Sensitive features map and supporting field data	10.3	Required
	Buffer discretion – supporting evidence	10.5	N/A
	Conservation areas	10.7	N/A
	Establishment Plan	12.1 / Appendix C	N/A
	Staging Plan	12.1 / Appendix D	N/A
	Land Management Plan	12.1 / Appendix E	N/A
	Slope & runoff map	12.1 / Appendix E-2	Required
	ESC map	12.1 / Appendix E-9	Optional
	ESC details	12.1 / Appendix E-10	N/A
	Weed management supporting information	13.2	N/A
	Heritage Branch advice	14.1	
	Heritage/archaeological survey information	14.2	N/A
	Map of heritage/archaeological places	14.3	N/A
	Abstract of Records	14.4	N/A
	Consent to share Abstract of Records	14.4	N/A
	Map of sacred sites	14.5	N/A
	NT EPA advice	15.1	Optional
	NT EPA referral checklist	15.1	N/A
	Other additional information	16	Optional



Appendix A – Land Type description proforma



Refer to question 9.1.


Note: Complete one table per Land Type. Data generated from Land Type field investigations needs to be provided – refer to the NTPS LCG – section 4.2.5.


■ Attach map and spatial data showing site inspection track, site locations, photo points and Land Types.

Attachment No: 4 Land type map _____

Attribute	Description
Land Type	1a
Landform	Rises associated with hills and ridges; moderately steep sideslopes (2-30%); relief 5 to 20 metres; 5-10% outcrop siltstone, greywacke; minor ironstone outcrop; 60-80% surface stone /gravel
Soil	Petroferric Acidic Brown Kandosols: moderately deep, moderately gravelly, loamy, clay loamy, moderately deep well drained
Vegetation	Eucalyptus miniata and Corymbia confertiflora Woodland to open woodland. Open woodland, occasionally low woodland; Eucalyptus tectifica, E.miniata, E.confertiflora, common as dominants, also E.foelscheana, E.clavigera, Erythrophleum chlorostachys E.ferruginea, as associated canopy species. Open shrub understory of Buchanania obovata, Xanthostemon paradoxus, Petalostigma pubescens, Cochlospermum fraseri. Grasses include Themeda australis, Heteropogon contortus, Sorghum sp. (annual), Panicum sp., Eriachne sp.
Photo No.	 <p>A16 (-12.766 Lat. , 131.484 Long.; PXL_20260420_023952212)</p>  <p>A4 (-12.769 LAT, 131.480 LONG; PXL_20260420_002241899)</p>

Attribute	Description
Land Type	1b
Landform	Rises associated with lowhills; gentle side slopes; gradients 2-6% relief between 5 and 20 metres; extensive surface gravels (60-100% ground cover); minor quartz and ironstone outcrop.
Soil	Ferric Dystrophic Red Kurosol Moderately deep, very-gravelly Loamy Clayey Deep
Vegetation	Corymbia polysiada, Eucalyptus miniata, Corymbia bleeseri Open woodland. Open woodland; dominants usually Eucalyptus clavigera, E.tectifca, E.miniata, E.bleeseri E.confertiflora, with Erythrophleum chlorostachys, Terminalia ferdinandiana, Xanthostemon paradoxus as associated canopy species. Open shrub understory with Gardenia magasperma, Petalostigma pubescens, Cochlospermum fraseri. Grasses include Eriachne sp., Heteropogon triticeus, Aristida sp., Chrysopogon fallax, Plectrachne pungens, Coelorhachis rottboellioides, Sorghum plumosum.
Photo No.	 <p data-bbox="387 1093 1038 1126">A9 (-12.773 LAT 131.479 LONG; PXL_20260420_011015057)</p>  <p data-bbox="387 1536 1054 1570">A11 (-12.772 LAT 131.481 LONG; PXL_20260420_013424731)</p>

Attribute	Description
Land Type	3a
Landform	Footslopes of higher hills, usually linear in extent; gently sloping – gradients between 1 and 3%; extensive surface gravels, minor quartz and angular siltstone outcrop
Soil	Ferric Dystrophic Red Kurosol Moderately deep, very-gravelly Loamy Clayey Deep
Vegetation	Eucalyptus miniata and Corymbia confertiflora Woodland to open woodland. Woodland to open woodland with dominants E. and associated Xanthostemon paradoxus, Erythrophleum chlorostachys. understory with Acacia sp. Strychnos lucida, Petalostigma pubescens common.
Photo No.	 <p data-bbox="384 1261 1054 1294">A1 (-12.765 LAT 131.481 LONG; PXL_20260419_235259449)</p>

Attribute	Description
Land Type	4e
Landform	Narrow drainage ways (situated mostly in south of survey area); hard ferricret exposed at the surface
Soil	Lutaceous Redoxic Hydrosol Moderately deep, very-gravelly Loamy Clayey Deep
Vegetation	Corymbia polycarpa, Eucalyptus alba, Eucalyptus apodophylla Woodland with some Grassland areas. varies from open eucalypt woodland to open grassland. The open woodland has as dominants E. polycarpa, E. alba, E. apodophylla, E. papuana, with associated Eugenia bleeseri and pockets of Tristania lactiflua. Open grassland composed of Themeda australis, Eriachne burkittii, Eragrostis SP.T Panicum sp., Sorghum sp., Ectrosia leporina, Heteropogon triticeus.
Photo No.	 <p data-bbox="384 1106 1070 1135">A14 (-12.763 LAT 131.501 LONG; PXL_20260420_020654911)</p>

Appendix B – Land Capability Assessment table

Refer to question 9.2

The overall land capability class for Land Type was downgraded from 4 to 5 to account for off-site environmental protection values.

Note: Refer to the NTPS LCG – Land Capability Assessment (section 4.2.7.1).

Land Type	Acid Sulfate Soils	Flooding	Microrelief	Salinity	Sodicity	Slope	Soil depth	Drainage	Surface Rock	Wind erosion	Initial capability class	Overall capability class
1a	1	1	1	1	1	2	2	1	2	1	2	2
1b	1	1	1	1	1	1	1	1	2	1	2	2
3a	1	1	1	1	1	2	1	1	3	1	3	3
4e	1	4	1	1	1	1	3	4	3	1	4	5

Note: Refer to Attachment 2 Soil and land suitability assessment for irrigated agriculture in the Wildman River (section 7.2.1) for suitability scoring

Land Type	Tree crops				Row crops			Root crops	Forestry	
	Group									
	1 Monsoon crops (eg. mango)	2 Rainforest crops (eg. rambutan)	3 Citrus (eg. lime)	4 Fruit row crops (eg. pineapple)	5 Curcurbits (eg. asian melons)	6 Fruiting vegetables (eg. okra)	7 Leafy vegetables (eg. kan kong, lemon grass)	8 Tubers (eg. taro)	9 Sandalwood	10 Irrigated flowers (eg. curcurma)
1a	3 (Pd, R, M, N)	3 (Pd, R, M, N)	3 (Pd, R, M, N)	3 (R, M, N)	3 (R, M, N)	3 (R, M, N)	3 (R, M, N)	4 (R, N)	3 (N, Pd)	3 (N, Pd)
1b	2 (M, N)	2 (M, N)	2 (M, N)	2 (M, N)	2 (M, N)	2 (M, N)	2 (M, N)	4 (R, N)	2 (N)	2 (N)
3a	3 (R, M, N)	3 (R, M, N)	3 (R, M, N)	3 (R, M, N)	3 (R, M, N)	3 (R, M, N)	3 (R, M, N)	4 (R, N)	2 (N)	2 (N)
4e	2 (M, N)	2 (Pd, M, N)	2 (Pd, M, N)	2 (Pd, M, N)	2 (Pd, M, N)	2 (Pd, M, N)	2 (M, N)	5 (W, Pd, R, N)	5 (F)	5 (W, Pd, R, N)

Limitations: R - rockiness; M - soil water availability; N - nutrient deficiency; Pd - soil depth; W - wetness

Appendix C – Establishment Plan

Refer to question 12.1

Note: Refer to NTPS LCG sections 4.3.2.3 and 4.3.2.4.

Activity	Timing (month & year)	Methods/Details
Demolition of vegetation	May/June 26	Machinery and techniques: Comprehensive clearing using bulldozers where appropriate and mulching equipment capable of processing large volumes of woody vegetation and tree stumps.
Removal of debris	June 26	Machinery and techniques, including burning, mulching, temporary location and removal of windrows:
Site preparation	June//July 26	The preparation entails ongoing set up raised beds and ploughing of required areas for horticulture activities on site.
Planting	August 28	Machinery and techniques: Ploughing through use of machinery and planting (direct or indirect seeding)
Weed management	Ongoing as required	Indicate control methods: Physical control through removal of weeds by mechanical means, such as mowing, mulching, tilling or burning. Chemical control method will used in some instances to minimise erosion and target certain weeds.
Regrowth management	Ongoing as required	Indicate control methods: Direct and indirect seeding of tree and shrub species at appropriate times of the year to maximise successful regrowth and minimisation of soil erosion.
Grazing management (if applicable)	N/A	N/A
Crop management (if applicable)	Ongoing as required	The crops will be managed to crop rotation for each zone throughout the year to manage soil nutrients and control pests.

Appendix D – Staging Plan

Refer to question 12.1

Note: Refer to NTPS LCG section 4.3.2.4. Clearing of native vegetation development permits allow for a base period of two years to comply with the conditions. Where the works permitted under the permit are substantially commenced within two years the permit is automatically extended by a further two years. Permit holders may apply for extensions to a development permit before the permit lapses.

Year	Site ID (e.g. polygon / paddock)
2026 dry season (May to September)	polygon 3 (3.175 Ha)
2026 dry season (May to September)	polygon 2 (5.2745 Ha)

Appendix E – Land Management Plan

Refer to question 12.1

Note: The following Land Management Plan (LMP) should be developed with reference to the proposed Establishment and Staging Plan. It is not an Erosion and Sediment Control Plan (ESCP). For large or complex clearing areas, preparation and implementation of an Erosion and Sediment Control Plan (ESCP) can be an effective way of managing erosion risk - however it is not an alternative to retaining native vegetation which should otherwise be retained in accordance with the NTPS LCG, or used as a “catch-all” means of mitigating other risks the clearing may pose (see NTPS LCG section 4.3.2.5).

Whether a formal ESCP is required as a condition of a Land Clearing permit will be at the discretion of the Consent Authority based on the advice of the Land Management Unit, DLPE and will depend on the level of detail provided in this LMP and the erosion risk associated with the proposal. For further information, contact the Land Management Unit, DLPE on (08) 8999 4404.

1. Provide a general description of the soil loss factors for the proposed clearing extent

Note: Refer to Section 4.3.2 of the NTPS LCG.

Factor	Description
Rainfall Consider the climatic zone, seasonal outlook and proposed timing of works	The rainfall year (1594 mm) falls between September and May. Rainfall erosivity is high. Works will be scheduled in the dry season between (May and September) to avoid high rainfall erosivity risk.
Soil Consider the erodibility of soil types present based on soil type texture and structure. Note whether soils are dispersive or sodic.	The surface coarse fragments (30-100% surface cover) mitigate erosion risk on bare soil.
Length of slope Indicate the average length of slope within the proposed clearing extent and areas that exceed this.	slope lengths on POLYGON 3 are approximately 100 m and POLYGON 2 100 m
Slope gradient (%) Indicate the range of slope within the proposed clearing extent (e.g. 0-2%) and areas that exceed 2%.	slope gradients within the proposed clearing areas are 1-2%.
Groundcover Consider the timing, duration and frequency of soil exposure.	Irrigated cropping will establish groundcover prior to the wet season.
Management Consider the level of soil disturbance associated with the proposed method of clearing and land use.	Vegetation will be chained, windrowed and burnt in the dry season. Cropping areas will be tilled and row crops planted into raised beds with plastic mulch over drip irrigation.

RUSLE soil loss estimate	<p>A = R.K.LS.C.P</p> <p>(from IECA Best Practice Manual Appendix E: R annual = 3603; K=0.03; LS=0.43; C=0.03 to 0.45; P=0.8)</p> <p>A = 1 to 16 T/Ha depending on level of soil cover (20 to 80%)</p>
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2. Describe where rainfall runoff flows within the proposed clearing extent.

Polygon	Direction of runoff	Receiving environment
Drainage depression	south west and and north east	drainage depression

■ Attach map showing slope gradient, direction of runoff and field verified slope points within the proposed clearing extent.

Attachment No: 5 Land capability map _____

3. Identify whether property boundary buffers will be retained in accordance with the NTPS LCG and provide reasons for discretion (if required).

Note: Valid reasons must be provided for instances where no property boundary buffers or buffers less than the NTPS LCG recommendations are proposed to be retained. Refer to section 4.3.3 of the NTPS LCG.

Property boundary buffer width is 25m.

Note: Property boundary buffers must exclude firebreaks – refer to section 4.3.6 of the NTPS LCG.

Property Boundary	Proposed buffer width (m)	Reasons for discretion
South, East and West of Polygon 2 and 3.	25 m (20m retained vegetation plus 5m firebreak)	<p>The land is used for horticulture production purposes and therefore the irregular and narrow shape of the site would limit options for production if boundary buffers were retained in accordance with guidelines as noted under NTPS LCG.</p> <p>The proposed conservation of drainage depression stream (4.3 ha) widening towards the southern part of the site maintains the wildlife corridor through the property.</p>
East and West	15 m of re-vegetation plus 5 m fire break	As above

4. Describe any land management buffers to be retained within proximity of the proposed clearing extent.

The 1st order stream line has a 25 m wide buffer

Note: A land management buffer is different to a wildlife corridor or property boundary buffer – refer to section 4.3.4 of the NTPS LCG.

Buffer ID	Location	Width (m)	Purpose and design justification

5. Describe any existing erosion within the proposed clearing extent.

No significant erosion observed on the site.

Note: Erosion types include: wind, sheet, rill, gully or tunnel erosion.

Erosion Site	Location	Cause	Erosion type & description	Mitigation

6. Considering all information provided above; describe the potential risk, likelihood and impact of erosion associated with the proposed development.

Source of risk	Likelihood of occurring	Potential impacts
Clearing	low	sedimentation of local drainage

7. Considering all information provided above; describe the proposed erosion and sediment control (ESC) measures to be implemented during the clearing and establishment phase of the development.

ESC measure	Location	Temporary/Permanent	Description
staging	across the site	temporary	dry season operation
vegetated buffer	drainage line	permanent	25 m native vegetation
contour rows	cultivation	permanent	rows on the contour

8. Considering all the information provided above; describe the proposed erosion and sediment control (ESC) measures to be implemented during the operational phase of the development.

ESC measure	Location	Temporary/Permanent	Description
vegetated buffer	drainage line	permanent	25 m native vegetation
contour rows	cultivation	permanent	rows on the contour

plastic mulch	cultivation	permanent	plastic over drip on rows
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9. Provide an erosion and sediment control (ESC) map showing the location of the following information.

Attach an ESC map showing the location of the following within the proposed clearing extent:

- Land management buffers (Question 4)
- Existing erosion (Question 5)
- Temporary ESC measures to be installed (Question 7 & 8)
- Permanent ESC measures to be installed (Question 7 & 8)
- Firebreaks, tracks and fences.

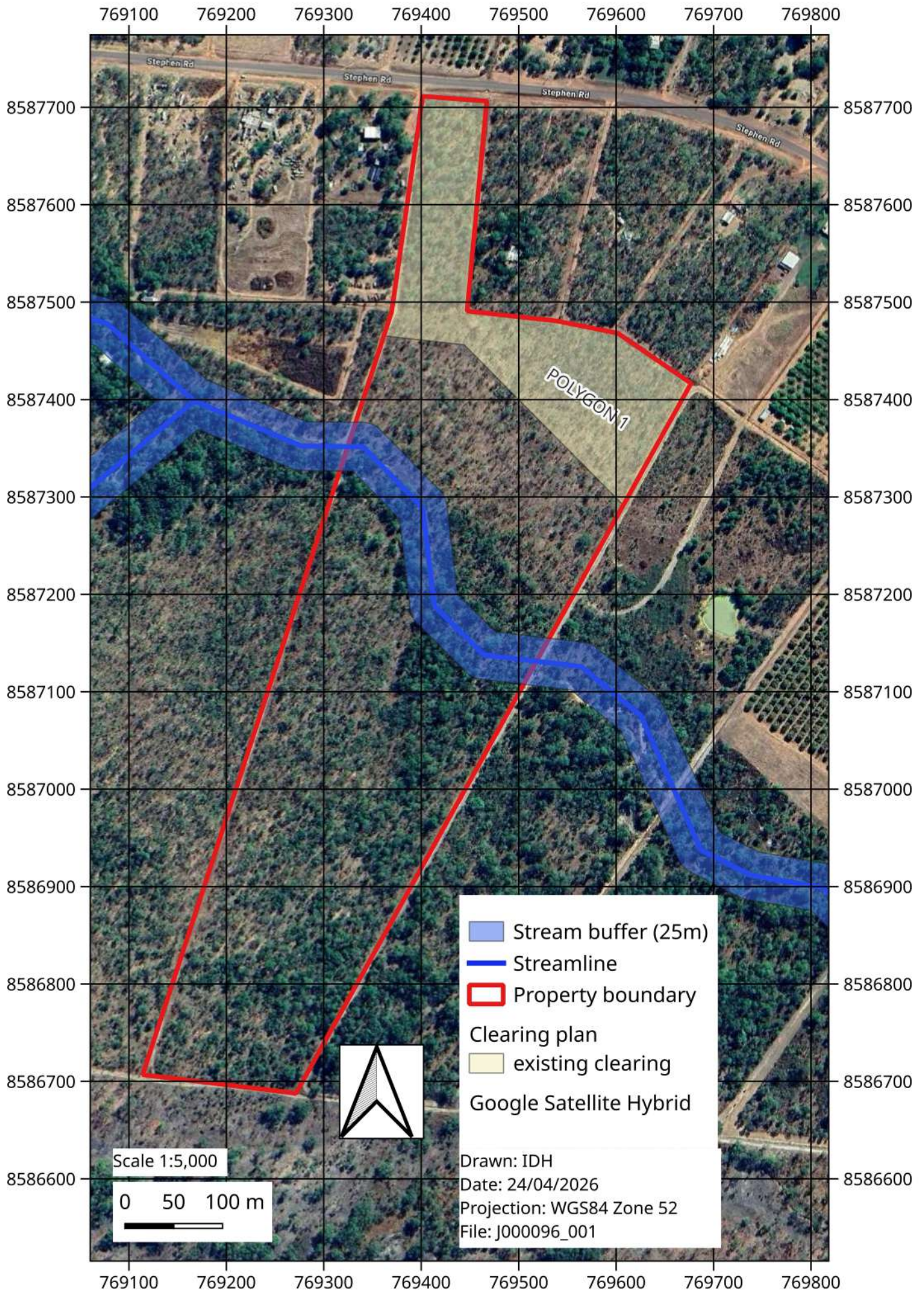
Attachment No: _____

10. Provide any ESC standard drawings or design details.

Note: The level of information required will depend on the complexity of the proposed measures. Information is available at [Soil, land and vegetation | NT.GOV.AU](https://www.nt.gov.au/soil-land-vegetation/).

Attach ESC standard drawings / design details Attachment No: _____

Attachment 1 - Existing clearing map



2. Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.

Project Name: Section 4598 - Marrakai **Project Code:** J000169 **Site ID:** A1

Agency Name: Dr Ian Hollingsworth

Slope <1 % **Site Information**

Desc. By: I. Hollingsworth **Locality:** MARRAKAI

Date Desc.: 20/04/2026 **Elevation:** 34 metres

Map Ref.: GPS **Rainfall:** 1594

Northing/Long.: 12°45.9152'S **Easting/Lat.:** 131°28.8833'E **Datum:** WGS84

Disturbance: cleared, cultivated for irrigated horticulture

Drainage: well drained **Runoff:** Slow

Geology

ExposureType: outcrop **Conf. Sub. is Parent. Mat.:** Almost certain

Substrate Material: soil auger, 1.1m deep, porous, lateritised sandstone

Land Form

Rel/Slope Class: Undulating plain <9m <1% **Pattern Type:** low hills

Morph. Type: footslopes **Relief:** 5 metres

Elem. Type: Plain **Slope Category:** Level

Slope: 0.5 % **Aspect:** No Data

Surface Soil Condition (moist): massive

Erosion: nil

Mapping Unit: 3a

Soil Classification

Australian Soil Classification: Ferric Dystrophic Red Kurosol Moderately deep, very-gravelly Loamy Clayey Deep

ASC Confidence: 3

Site Disturbance: clearing and cultivation

Vegetation: cleared E miniata and C confertiflora woodland

Surface Coarse Fragments: 90% ferruginous gravel

Profile Morphology

1A11 0 - 0.1 m Dark reddish grey (2.5YR4/1-Moist); sandy loam; pH 6.0; very abundant fine gravelly ferruginised sandstone; moist; non-plastic; non-calcareous; Clearchange to -

1A12 0.1 - 0.4 m Weak red (2.5YR4/2-Moist); sandy loam; pH 6.0; abundant fine gravelly ferruginised sandstone; sandy loam; moist; non-plastic; non-calcareous; Clear change to -

1A2 0.4 - 0.5 m Reddish grey (2.5YR6/1-Moist); sandy loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; sandy loam; non-plastic; non-calcareous; Clear change to -

1B21t 0.5 - 0.8 m Reddish brown (2.5YR4/4-Moist); sandy clay loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; non-calcareous; Clear change to -

1B22t 0.8 - 1.0 m Red (2.5YR4/6-Moist); clay loam; pH 5.5; extremely abundant fine gravelly ferruginised sandstone; moist; non-calcareous; Clear change to -

1BC 1.0 - 1.1 m Red (2.5YR4/6-Moist); clay loam; pH 5.5; extremely abundant fine gravelly ferruginised sandstone; moist; non-calcareous;

Site Notes

Drip irrigated asian vegetable cultivation

Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.



Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.

Project Name: Section 4598 - Marrakai Project Code: J000169 Site ID: A2

Agency Name: Dr Ian Hollingsworth

Slope <1 % **Site Information**

Desc. By: I. Hollingsworth Locality: MARRAKAI

Date Desc.: 20/04/2026 Elevation: 34 metres

Map Ref.: GPS Rainfall: 1594

Northing/Long.: 12°45.9717'S Easting/Lat.: 131°28.8724'E Datum: WGS84

Disturbance: cleared, cultivated for irrigated horticulture

Drainage: well drained Runoff: Slow

Geology

ExposureType: outcrop Conf. Sub. is Parent. Mat.: Almost certain

Substrate Material: soil auger, 1.1m deep, porous, lateritised sandstone

Land Form

Rel/Slope Class: Undulating plain <9m <1% Pattern Type: low hills

Morph. Type: footslopes Relief: 5 metres

Elem. Type: Plain Slope Category: Level

Slope: 0.5 % Aspect: No Data

Surface Soil Condition (moist): massive

Erosion: nil

Mapping Unit: 3a

Soil Classification

Australian Soil Classification: Ferric Dystrophic Red Kurosol Moderately deep, very-gravelly Loamy Clayey Deep

ASC Confidence: 3

Site Disturbance: clearing and cultivation

Vegetation: cleared E miniata and C confertiflora woodland

Surface Coarse Fragments: 90% ferruginous gravel

Profile Morphology

Similar to A1

Site Notes

Check site

Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.

Project Name: Section 4598 - Marrakai Project Code: J000169 Site ID: A3

Agency Name: Dr Ian Hollingsworth

Slope <1 % **Site Information**

Desc. By: I. Hollingsworth Locality: MARRAKAI

Date Desc.: 20/04/2026 Elevation: 32 metres

Map Ref.: GPS Rainfall: 1594

Northing/Long.: 12°46.0170'S Easting/Lat.: 131°28.8620'E Datum: WGS84

Disturbance: no effective disturbance

Drainage: imperfectly drained Runoff: rapid

Geology

ExposureType: outcrop Conf. Sub. is Parent. Mat.: Almost certain

Substrate Material: porous, lateritised sandstone

Land Form

Rel/Slope Class: Undulating plain <9m <1% Pattern Type: low hills

Morph. Type: drainage line Relief: 5 metres

Elem. Type: stream channel Slope Category: gently inclined

Slope: 2 % Aspect: No Data

Surface Soil Condition (moist): massive

Erosion: nil

Mapping Unit: 4e

Soil Classification

Australian Soil Classification: Fluvic Clastic Rudosol

ASC Confidence: 3

Vegetation: E alba; C polycarpa E apodophylla woodland

Surface Coarse Fragments: 90% ferruginous gravel

Profile Morphology

Similar to A1

Site Notes

1st order stream channel; Hyptis suaveolens weedy groundcover;

Check site

Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.

Project Name: Section 4598 - Marrakai **Project Code:** J000169 **Site ID:** A4

Agency Name: Dr Ian Hollingsworth

Slope <1 % Site Information

Desc. By: I. Hollingsworth **Locality:** MARRAKAI

Date Desc.: 20/04/2026 **Elevation:** 36 metres

Map Ref.: GPS **Rainfall:** 1594

Northing/Long.: .12°46.0713'S **Easting/Lat.:** 131°28.8445'E **Datum:** WGS84

Disturbance: no effective disturbance, natural woodland

Drainage: well drained **Runoff:** Slow

Geology

ExposureType: outcrop **Conf. Sub. is Parent. Mat.:** Almost certain

Substrate Material: soil auger, 06m deep, porous, lateritised sandstone

Land Form

Rel/Slope Class: Undulating plain <9m <1% **Pattern Type:** rises

Morph. Type: plain **Relief:** 5 metres

Elem. Type: Plain **Slope Category:** Level

Slope: 0.5 % **Aspect:** No Data

Surface Soil Condition (moist): massive

Erosion: nil

Mapping Unit: 1a

Soil Classification

Australian Soil Classification: Ferric Dystrophic Red Kurosol Moderately deep, very-gravelly Loamy Clay loamy Moderately Deep

ASC Confidence: 3

Vegetation: E tectifca, E miniata and C confertiflora woodland

Surface Coarse Fragments: 90% ferruginous gravel

Profile Morphology

1A11 0 - 0.2 m Dark reddish grey (2.5YR4/1-Moist); sandy loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; moist; non-plastic; non-calcareous; Clearchange to -

1A2 0.2 - 0.3 m Reddish grey (2.5YR6/1-Moist); sandy loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; sandy loam; non-plastic; non-calcareous; Clear change to -

1A3 0.3 - 0.4 m Reddish brown (2.5YR4/4-Moist); sandy clay loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; non-calcareous; Clear change to -

1B3 0.4 - 0.5 m Red (2.5YR4/6-Moist); sandy clay loam; pH 5.5; extremely abundant fine gravelly ferruginised sandstone; moist; non-calcareous; Clear change to -

1C 0.5 - 0.6 m Red (2.5YR4/6-Moist); sandy loam; pH 5.5; extremely abundant fine gravelly ferruginised sandstone; moist; non-calcareous;

Site Notes

Undisturbed woodland; Hyptis suaveolens weedy groundcover

Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.



A4 (-12.769 LAT, 131.480 LONG; PXL_20260420_002241899)



Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.

Project Name: Section 4598 - Marrakai **Project Code:** J000169 **Site ID:** A5

Agency Name: Dr Ian Hollingsworth

Slope <1 % **Site Information**

Desc. By: I. Hollingsworth **Locality:** MARRAKAI

Date Desc.: 20/04/2026 **Elevation:** 37 metres

Map Ref.: GPS **Rainfall:** 1594

Northing/Long.: .12°46.0713'S **Easting/Lat.:** 131°28.8445'E **Datum:** WGS84

Disturbance: no effective disturbance, natural woodland

Drainage: well drained **Runoff:** Slow

Geology

ExposureType: outcrop **Conf. Sub. is Parent. Mat.:** Almost certain

Substrate Material: soil auger, 06m deep, porous, lateritised sandstone

Land Form

Rel/Slope Class: Undulating plain <9m <1% **Pattern Type:** rises

Morph. Type: plain **Relief:** 5 metres

Elem. Type: Plain **Slope Category:** Level

Slope: 0.5 % **Aspect:** No Data

Surface Soil Condition (moist): massive

Erosion: nil

Mapping Unit: 1a

Soil Classification

Australian Soil Classification: Ferric Dystrophic Red Kurosol Moderately deep, very-gravelly Loamy Clay loamy Moderately Deep

ASC Confidence: 3

Vegetation: E tectifca, E miniata and C confertiflora woodland

Surface Coarse Fragments: 90% ferruginous gravel

Site Notes

Check site; Undisturbed woodland; Hyptis suaveolens weedy groundcover; same as A4

Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.

Project Name: Section 4598 - Marrakai **Project Code:** J000169 **Site ID:** A6

Agency Name: Dr Ian Hollingsworth

Slope <1 % **Site Information**

Desc. By: I. Hollingsworth **Locality:** MARRAKAI

Date Desc.: 20/04/2026 **Elevation:** 37 metres

Map Ref.: GPS **Rainfall:** 1594

Northing/Long.: .12°46.1757'S **Easting/Lat.:** 131°28.8112'E **Datum:** WGS84

Disturbance: no effective disturbance, natural woodland

Drainage: well drained **Runoff:** Slow

Geology

ExposureType: outcrop **Conf. Sub. is Parent. Mat.:** Almost certain

Substrate Material: soil auger, 06m deep, porous, lateritised sandstone

Land Form

Rel/Slope Class: Undulating plain <9m <1% **Pattern Type:** rises

Morph. Type: plain **Relief:** 5 metres

Elem. Type: Plain **Slope Category:** Level

Slope: 0.5 % **Aspect:** No Data

Surface Soil Condition (moist): massive

Erosion: nil

Mapping Unit: 1a

Soil Classification

Australian Soil Classification: Ferric Dystrophic Red Kurosol Moderately deep, very-gravelly Loamy Clay loamy Moderately Deep

ASC Confidence: 3

Vegetation: E tectifca, E miniata and C confertiflora woodland

Surface Coarse Fragments: 90% ferruginous gravel

Site Notes

Check site; Undisturbed woodland; Hyptis suaveolens weedy groundcover; same as A4

Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.

Project Name: Section 4598 - Marrakai Project Code: J000169 Site ID: A7

Agency Name: Dr Ian Hollingsworth

Slope <1 % **Site Information**

Desc. By: I. Hollingsworth Locality: MARRAKAI

Date Desc.: 20/04/2026 Elevation: 36 metres

Map Ref.: GPS Rainfall: 1594

Northing/Long.: 12°45.9152'S Easting/Lat.: 131°28.8833'E Datum: WGS84

Disturbance: no effective disturbance, natural woodland

Drainage: well drained Runoff: Slow

Geology

ExposureType: outcrop Conf. Sub. is Parent. Mat.: Almost certain

Substrate Material: soil auger, 1.1m deep, porous, lateritised sandstone

Land Form

Rel/Slope Class: Undulating plain <9m <1% Pattern Type: rises

Morph. Type: plain Relief: 5 metres

Elem. Type: Plain Slope Category: Level

Slope: 1.5 % Aspect: No Data

Surface Soil Condition (moist): massive

Erosion: nil

Mapping Unit: 1a

Soil Classification

Australian Soil Classification: Dystrophic Ferric Brown Kandosol deep, very-gravelly Loamy Clay loamy Deep

ASC Confidence: 3

Vegetation: cleared E miniata and C confertiflora woodland

Surface Coarse Fragments: 90% ferruginous gravel

Profile Morphology

1A11 0 - 0.2 m Dark reddish grey (2.5YR4/1-Moist); sandy loam; pH 6.0; very abundant fine gravelly ferruginised sandstone; moist; non-plastic; non-calcareous; Clearchange to -

1A2 0.2 - 0.4 m Reddish grey (2.5YR5/1-Moist); sandy loam; pH 6.0; very abundant fine gravelly ferruginised sandstone; sandy loam; non-plastic; non-calcareous; Clear change to -

1A3 0.4 - 0,8 m Reddish brown (2.5YR5/3-Moist); sandy loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; non-calcareous; Clear change to -

1BC 0.8 - 1.1 m Reddish brown (5YR5/4-Moist); clay loam; pH 5.5; extremely abundant fine gravelly ferruginised sandstone; moist; non-calcareous;

Site Notes

Undisturbed woodland; Hyptis suaveolens weedy groundcover

Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.



Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.

Project Name: Section 4598 - Marrakai Project Code: J000169 Site ID: A8

Agency Name: Dr Ian Hollingsworth

Slope <1 % **Site Information**

Desc. By: I. Hollingsworth Locality: MARRAKAI

Date Desc.: 20/04/2026 Elevation: 36 metres

Map Ref.: GPS Rainfall: 1594

Northing/Long.: 12°46.2808'S Easting/Lat.: 131°28.7782'E Datum: WGS84

Disturbance: no effective disturbance, natural woodland

Drainage: well drained Runoff: Slow

Geology

ExposureType: outcrop Conf. Sub. is Parent. Mat.: Almost certain

Substrate Material: lateritised sandstone

Land Form

Rel/Slope Class: Undulating plain <9m <1% Pattern Type: rises

Morph. Type: undulating plain Relief: 5 metres

Elem. Type: Plain Slope Category: Level

Slope: 0.5 % Aspect: No Data

Surface Soil Condition (moist): massive

Erosion: nil

Mapping Unit: 1a

Soil Classification

Australian Soil Classification: Dystrophic Ferric Brown Kandosol deep, very-gravelly Loamy Clay loamy Deep

ASC Confidence: 3

Vegetation: cleared E miniata and C confertiflora woodland

Surface Coarse Fragments: 90% ferruginous gravel

Site Notes

Check site similar to site A7; Undisturbed woodland; Hyptis suaveolens weedy groundcover

Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.

Project Name: Section 4598 - Marrakai Project Code: J000169 Site ID: A9

Agency Name: Dr Ian Hollingsworth

Slope <1 % **Site Information**

Desc. By: I. Hollingsworth Locality: MARRAKAI

Date Desc.: 20/04/2026 Elevation: 35 metres

Map Ref.: GPS Rainfall: 1594

Northing/Long.: 12°46.3455'S Easting/Lat.: 131°28.7576'E Datum: WGS84

Disturbance: no effective disturbance, natural woodland

Drainage: well drained Runoff: Slow

Geology

ExposureType: outcrop Conf. Sub. is Parent. Mat.: Almost certain

Substrate Material: lateritised sandstone

Land Form

Rel/Slope Class: Undulating plain <9m <1% Pattern Type: rises

Morph. Type: undulating plain Relief: 5 metres

Elem. Type: Plain Slope Category: Level

Slope: 0.5 % Aspect: No Data

Surface Soil Condition (moist): massive

Profile Morphology

1A11 0 - 0.2 m Dark reddish grey (2.5YR4/1-Moist); sandy loam; pH 6.0; very abundant fine gravelly ferruginised sandstone; moist; non-plastic; non-calcareous; Clear change to -

1A2 0.2 - 0.4 m Reddish grey (2.5YR5/1-Moist); sandy loam; pH 6.0; very abundant fine gravelly ferruginised sandstone; sandy loam; non-plastic; non-calcareous; Clear change to -

1A3 0.4 - 0.8 m Reddish brown (2.5YR5/3-Moist); sandy loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; non-calcareous; Clear change to -

1B2t 0.8 - 1.1 m Reddish brown (5YR5/4-Moist); clay loam; pH 5.5; extremely abundant fine gravelly ferruginised sandstone; moist; non-calcareous;

Erosion: nil

Mapping Unit: 1b

Soil Classification

Australian Soil Classification: Ferric Dystrophic Red Kurosol Moderately deep, very-gravelly Loamy Clayey Deep

ASC Confidence: 3

Vegetation: cleared E miniata and C confertiflora woodland

Surface Coarse Fragments: 90% ferruginous gravel

Site Notes

Similar to site A1; Undisturbed woodland; Hyptis suaveolens weedy groundcover

Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.



Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.

Project Name: Section 4598 - Marrakai Project Code: J000169 Site ID: A10

Agency Name: Dr Ian Hollingsworth

Slope <1 % **Site Information**

Desc. By: I. Hollingsworth Locality: MARRAKAI

Date Desc.: 20/04/2026 Elevation: 33 metres

Map Ref.: GPS Rainfall: 1594

Northing/Long.: 12°46.3583'S Easting/Lat.: 131°28.7992'E Datum: WGS84

Disturbance: no effective disturbance, natural woodland

Drainage: well drained Runoff: Slow

Geology

ExposureType: outcrop Conf. Sub. is Parent. Mat.: Almost certain

Substrate Material: lateritised sandstone

Land Form

Rel/Slope Class: Undulating plain <9m <1% Pattern Type: rises

Morph. Type: undulating plain Relief: 5 metres

Elem. Type: Plain Slope Category: Level

Slope: 0.5 % Aspect: No Data

Surface Soil Condition (moist): massive

Profile Morphology

1A11 0 - 0.2 m Dark reddish grey (2.5YR4/1-Moist); sandy loam; pH 6.0; very abundant fine gravelly ferruginised sandstone; moist; non-plastic; non-calcareous; Clearchange to -

1A2 0.2 - 0.4 m Reddish grey (2.5YR5/1-Moist); sandy loam; pH 6.0; very abundant fine gravelly ferruginised sandstone; sandy loam; non-plastic; non-calcareous; Clear change to -

1A3 0.4 - 0.7 m Reddish brown (2.5YR5/3-Moist); sandy loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; non-calcareous; Clear change to -

1B2t 0.8 - 1.1 m Reddish brown (5YR5/4-Moist); clay loam; pH 5.5; extremely abundant fine gravelly ferruginised sandstone; moist; non-calcareous; Erosion: nil

Mapping Unit: 1b

Soil Classification

Australian Soil Classification: Ferric Dystrophic Red Kurosol Moderately deep, very-gravelly Loamy Clayey Deep

ASC Confidence: 3

Vegetation: cleared E miniata and C confertiflora woodland

Surface Coarse Fragments: 90% ferruginous gravel

Site Notes

Similar to site A1; Undisturbed woodland; Hyptis suaveolens weedy groundcover

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Project Name: Section 4598 - Marrakai Project Code: J000169 Site ID: A11

Agency Name: Dr Ian Hollingsworth

Slope <1 % **Site Information**

Desc. By: I. Hollingsworth Locality: MARRAKAI

Date Desc.: 20/04/2026 Elevation: 36 metres

Map Ref.: GPS Rainfall: 1594

Northing/Long.: .12°46.0713'S Easting/Lat.: 131°28.8445'E Datum: WGS84

Disturbance: no effective disturbance, natural woodland

Drainage: well drained Runoff: Slow

Geology

ExposureType: outcrop Conf. Sub. is Parent. Mat.: Almost certain

Substrate Material: soil auger, 06m deep, porous, lateritised sandstone

Land Form

Rel/Slope Class: Undulating plain <9m <1% Pattern Type: rises

Morph. Type: plain Relief: 5 metres

Elem. Type: Plain Slope Category: Level

Slope: 0.5 % Aspect: No Data

Surface Soil Condition (moist): massive

Erosion: nil

Mapping Unit: 1b

Soil Classification

Australian Soil Classification: Ferric Dystrophic Red Kurosol Moderately deep, very-gravelly Loamy Clay loamy Moderately Deep

ASC Confidence: 3

Vegetation: E tectifca, E miniata and C confertiflora woodland

Surface Coarse Fragments: 90% ferruginous gravel

Profile Morphology

1A11 0 - 0.2 m Dark reddish grey (2.5YR4/1-Moist); sandy loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; moist; non-plastic; non-calcareous; Clearchange to -

1A2 0.2 - 0.3 m Reddish grey (2.5YR6/1-Moist); sandy loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; sandy loam; non-plastic; non-calcareous; Clear change to -

1A3 0.3 - 0.4 m Reddish brown (2.5YR4/4-Moist); sandy clay loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; non-calcareous; Clear change to -

1B3 0.4 - 0.5 m Red (2.5YR4/6-Moist); sandy clay loam; pH 5.5; extremely abundant fine gravelly ferruginised sandstone; moist; non-calcareous; Clear change to -

1C 0.5 - 0.6 m Red (2.5YR4/6-Moist); sandy loam; pH 5.5; extremely abundant fine gravelly ferruginised sandstone; moist; non-calcareous;

Site Notes

Undisturbed woodland; Hyptis suaveolens weedy groundcover

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Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.

Project Name: Section 4598 - Marrakai **Project Code:** J000169 **Site ID:** A12

Agency Name: Dr Ian Hollingsworth

Slope <1 % **Site Information**

Desc. By: I. Hollingsworth **Locality:** MARRAKAI

Date Desc.: 20/04/2026 **Elevation:** 36 metres

Map Ref.: GPS **Rainfall:** 1594

Northing/Long.: .12°46.2251'S **Easting/Lat.:** 131°28.8785'E **Datum:** WGS84

Disturbance: no effective disturbance, natural woodland

Drainage: well drained **Runoff:** Slow

Geology

ExposureType: outcrop **Conf. Sub. is Parent. Mat.:** Almost certain

Substrate Material: soil auger, 06m deep, porous, lateritised sandstone

Land Form

Rel/Slope Class: Undulating plain <9m <1% **Pattern Type:** rises

Morph. Type: plain **Relief:** 5 metres

Elem. Type: Plain **Slope Category:** Level

Slope: 0.5 % **Aspect:** No Data

Surface Soil Condition (moist): massive

Erosion: nil

Mapping Unit: 1b

Soil Classification

Australian Soil Classification: Ferric Dystrophic Red Kurosol Moderately deep, very-gravelly Loamy Clay loamy Moderately Deep

ASC Confidence: 3

Vegetation: E tectifca, E miniata and C confertiflora woodland

Surface Coarse Fragments: 90% ferruginous gravel

Site Notes

Check site; Similar to site 11; Undisturbed woodland; Hyptis suaveolens weedy groundcover

Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.

Project Name: Section 4598 - Marrakai **Project Code:** J000169 **Site ID:** A13

Agency Name: Dr Ian Hollingsworth

Slope <1 % **Site Information**

Desc. By: I. Hollingsworth **Locality:** MARRAKAI

Date Desc.: 20/04/2026 **Elevation:** 33 metres

Map Ref.: GPS **Rainfall:** 1594

Northing/Long.: .12°46.1673'S **Easting/Lat.:** 131°28.9057'E **Datum:** WGS84

Disturbance: no effective disturbance, natural woodland

Drainage: imperfectly drained **Runoff:** Slow

Geology

ExposureType: outcrop **Conf. Sub. is Parent. Mat.:** Almost certain

Substrate Material: soil auger, 06m deep, porous, lateritised sandstone

Land Form

Rel/Slope Class: Undulating plain <9m <1% **Pattern Type:** rises

Morph. Type: plain **Relief:** 5 metres

Elem. Type: drainage depression **Slope Category:** Level

Slope: 0.5 % **Aspect:** No Data

Surface Soil Condition (moist): massive

Erosion: nil

Mapping Unit: 4e

Soil Classification

Australian Soil Classification: Ferric Dystrophic Brown Kurosol Moderately deep, very-gravelly Loamy Clayey Deep

ASC Confidence: 3

Vegetation: E alba; C polycarpa E apodophylla woodland

Surface Coarse Fragments: 90% ferruginous gravel

Profile Morphology

1A11 0 - 0.2 m Dark grey (10YR4/1-Moist); silt loam; pH 5; very abundant fine gravelly ferruginised sandstone; moist; non-plastic; non-calcareous; Clearchange to -

1A12 0.2 - 0.4 m Dark greyish brown (10YR4/2-Moist); silt loam; pH 5; very abundant fine gravelly ferruginised sandstone; sandy loam; non-plastic; non-calcareous; Clear change to -

1B21t 0.4 - 0,5 m Yellowish Brown (10YR5/6-Moist); prominent grey mottles (10YR6/1); silty clay loam; pH 5; extremely abundant fine gravelly ferruginised sandstone; moist; non-calcareous; Clear change to -

1B22t 0.5 - 1.1m Yellowish Brown (10YR5/6-Moist); prominent grey mottles (10YR6/1); silty clay loam; pH 5; extremely abundant fine gravelly ferruginised sandstone; moist; non-calcareous; Clear change to -

1C5 1.1 - m lateritised sandstone.

Site Notes

Undisturbed woodland; surface water

Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.



Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.

Project Name: Section 4598 - Marrakai **Project Code:** J000169 **Site ID:** A14

Agency Name: Dr Ian Hollingsworth

Slope <1 % **Site Information**

Desc. By: I. Hollingsworth **Locality:** MARRAKAI

Date Desc.: 20/04/2026 **Elevation:** 32 metres

Map Ref.: GPS **Rainfall:** 1594

Northing/Long.: 12°46.1162'S **Easting/Lat.:** 131°28.9390'E **Datum:** WGS84

Disturbance: no effective disturbance, natural woodland

Drainage: imperfectly drained **Runoff:** Slow

Geology

ExposureType: outcrop **Conf. Sub. is Parent. Mat.:** Almost certain

Substrate Material: soil auger, 06m deep, porous, lateritised sandstone

Land Form

Rel/Slope Class: Undulating plain <9m <1% **Pattern Type:** rises

Morph. Type: plain **Relief:** 5 metres

Elem. Type: drainage depression **Slope Category:** Level

Slope: 0.5 % **Aspect:** No Data

Surface Soil Condition (moist): massive

Erosion: nil

Mapping Unit: 4e

Soil Classification

Australian Soil Classification: Lutaceous Redoxic Hydrosol Moderately deep, very-gravelly Loamy Clayey Deep

ASC Confidence: 3

Vegetation: E alba; C polycarpa E apodophylla woodland

Surface Coarse Fragments: 90% ferruginous gravel

Profile Morphology

1A1 0 - 0.1 m Very dark grey (10YR3/1-Moist); sandy loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; moist; non-plastic; non-calcareous; Clear change to -

1A2 0.1 - 0.3 m Grey (10YR3/1-Moist); silt loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; sandy loam; non-plastic; non-calcareous; Clear change to -

1B2g 0.3 - 0.4 m Grey (10YR6/1-Moist); clay loam; pH 5.5; extremely abundant fine gravelly ferruginised sandstone; moist; non-calcareous; Clear change to -

1B2 0.4 - 0.5 m Red (10YR6/1-Moist); prominent brownish yellow mottles (10YR 6/6) light clay; pH 5.5; extremely abundant fine gravelly ferruginised sandstone; moist; non-calcareous; Abrupt change to -

1Cr 0.5 - 0.6 m Brown (10YR4/3-Moist); lateritised sandstone;

Site Notes

Undisturbed woodland; root limiting layer at 0.6m; surface water

Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.



Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.

Project Name: Section 4598 - Marrakai **Project Code:** J000169 **Site ID:** A15

Agency Name: Dr Ian Hollingsworth

Slope <1 % **Site Information**

Desc. By: I. Hollingsworth **Locality:** MARRAKAI

Date Desc.: 20/04/2026 **Elevation:** 34 metres

Map Ref.: GPS **Rainfall:** 1594

Northing/Long.: 12°46.0407'S **Easting/Lat.:** 131°28.9812'E **Datum:** WGS84

Disturbance: no effective disturbance, natural woodland

Drainage: well drained **Runoff:** Slow

Geology

ExposureType: outcrop **Conf. Sub. is Parent. Mat.:** Almost certain

Substrate Material: soil auger, 06m deep, porous, lateritised sandstone

Land Form

Rel/Slope Class: Undulating plain <9m <1% **Pattern Type:** rises

Morph. Type: plain **Relief:** 5 metres

Elem. Type: Plain **Slope Category:** Level

Slope: 0.5 % **Aspect:** No Data

Surface Soil Condition (moist): massive

Erosion: nil

Mapping Unit: 1a

Soil Classification

Australian Soil Classification: Ferric Dystrophic Red Kurosol Moderately deep, very-gravelly Loamy Clay loamy Moderately Deep

ASC Confidence: 3

Vegetation: E tectifca, E miniata and C confertiflora woodland

Surface Coarse Fragments: 90% ferruginous gravel

Profile Morphology

1A11 0 - 0.2 m Dark reddish grey (2.5YR4/1-Moist); sandy loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; moist; non-plastic; non-calcareous; Clearchange to -

1A2 0.2 - 0.3 m Reddish grey (2.5YR6/1-Moist); sandy loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; sandy loam; non-plastic; non-calcareous; Clear change to -

1A3 0.3 - 0.4 m Reddish brown (2.5YR4/4-Moist); sandy clay loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; non-calcareous; Clear change to -

1B3 0.4 - 0.5 m Red (2.5YR4/6-Moist); sandy clay loam; pH 5.5; extremely abundant fine gravelly ferruginised sandstone; moist; non-calcareous; Clear change to -

1C 0.5 - 0.6 m Red (2.5YR4/6-Moist); sandy loam; pH 5.5; extremely abundant fine gravelly ferruginised sandstone; moist; non-calcareous;

Site Notes

Undisturbed woodland; Hyptis suaveolens weedy groundcover

Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.



Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.

Project Name: Section 4598 - Marrakai **Project Code:** J000169 **Site ID:** A16

Agency Name: Dr Ian Hollingsworth

Slope <1 % **Site Information**

Desc. By: I. Hollingsworth **Locality:** MARRAKAI

Date Desc.: 20/04/2026 **Elevation:** 36 metres

Map Ref.: GPS **Rainfall:** 1594

Northing/Long.: 12°45.9864'S **Easting/Lat.:** 131°29.0081'E **Datum:** WGS84

Disturbance: cleared for irrigated agriculture

Drainage: well drained **Runoff:** moderate

Geology

ExposureType: outcrop **Conf. Sub. is Parent. Mat.:** Almost certain

Substrate Material: soil auger, 06m deep, porous, lateritised sandstone

Land Form

Rel/Slope Class: Low hills <9m <1% **Pattern Type:** undulating low hills

Morph. Type: plain **Relief:** 5 metres

Elem. Type: footslope **Slope Category:** gently sloping

Slope: 1 % **Aspect:** No Data

Surface Soil Condition (moist): massive

Erosion: minor sheet erosion

Mapping Unit: 1a

Soil Classification

Australian Soil Classification: Ferric Dystrophic Red Kurosol Moderately deep, very-gravelly Loamy Clay loamy Moderately Deep

ASC Confidence: 3

Vegetation: E tectifca, E miniata and C confertiflora woodland

Surface Coarse Fragments: 90% ferruginous gravel

Profile Morphology

1A11 0 - 0.2 m Dark reddish grey (2.5YR4/1-Moist); sandy loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; moist; non-plastic; non-calcareous; Clearchange to -

1A2 0.2 - 0.3 m Reddish grey (2.5YR6/1-Moist); sandy loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; sandy loam; non-plastic; non-calcareous; Clear change to -

1A3 0.3 - 0.4 m Reddish brown (2.5YR4/4-Moist); sandy clay loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; non-calcareous; Clear change to -

1B3 0.4 - 0.5 m Red (2.5YR4/6-Moist); sandy clay loam; pH 5.5; extremely abundant fine gravelly ferruginised sandstone; moist; non-calcareous; Clear change to -

1Cr 0.5 - 0.6 m Red (2.5YR4/6-Moist); sandy loam; pH 5.5; extremely abundant fine gravelly ferruginised sandstone; moist; non-calcareous;

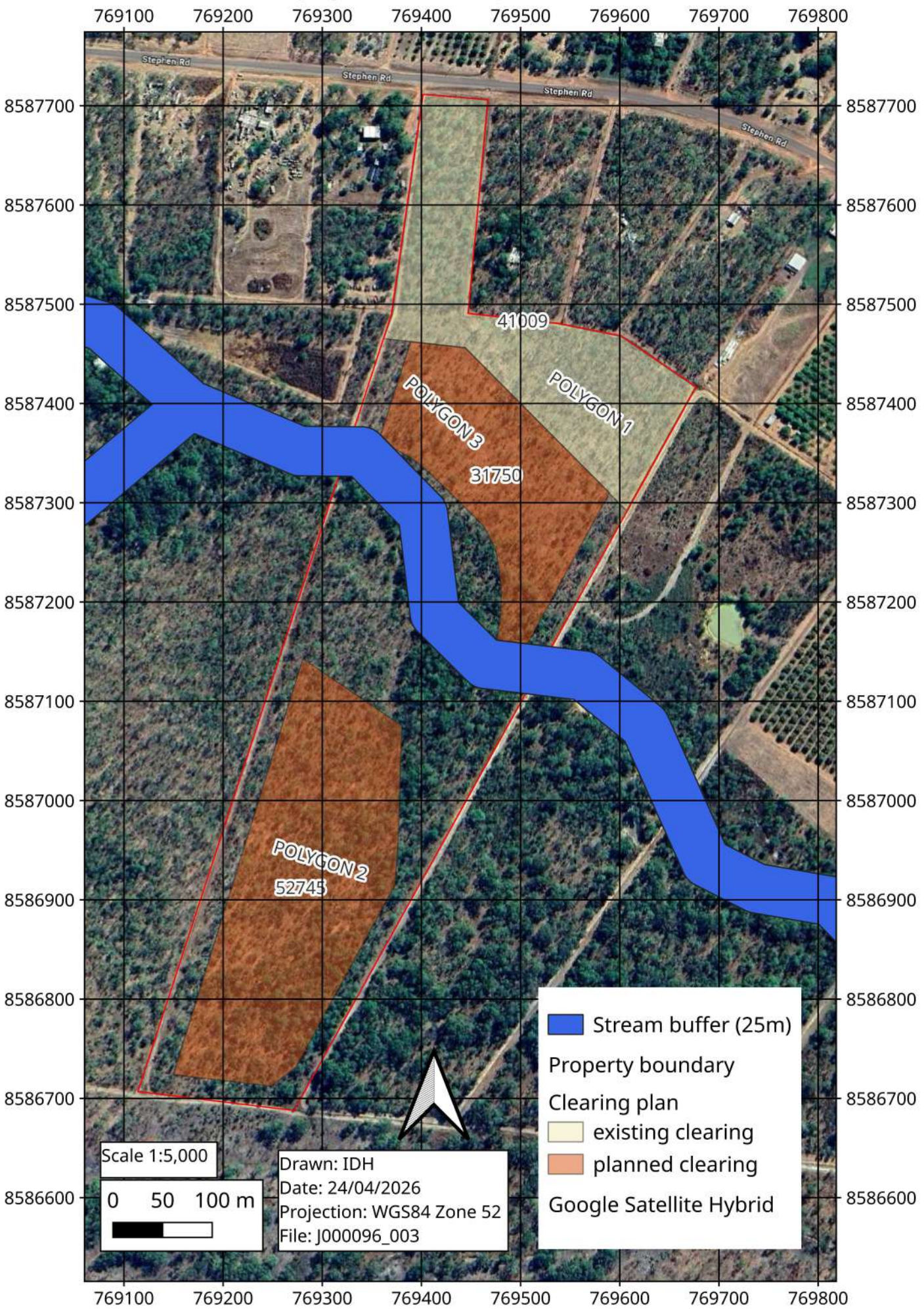
Site Notes

Undisturbed woodland; Hyptis suaveolens weedy groundcover

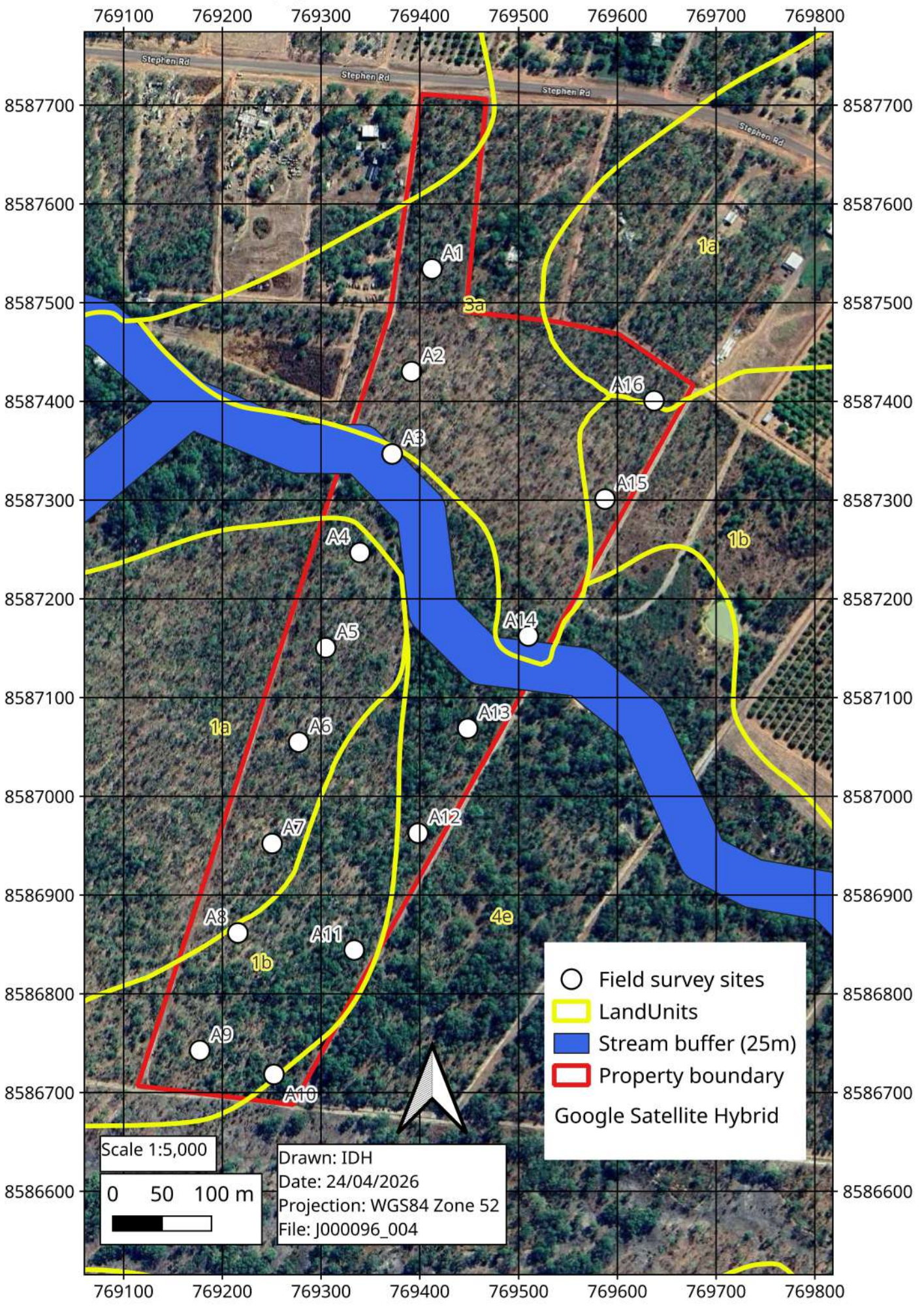
Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.



3b- Clearing plan map



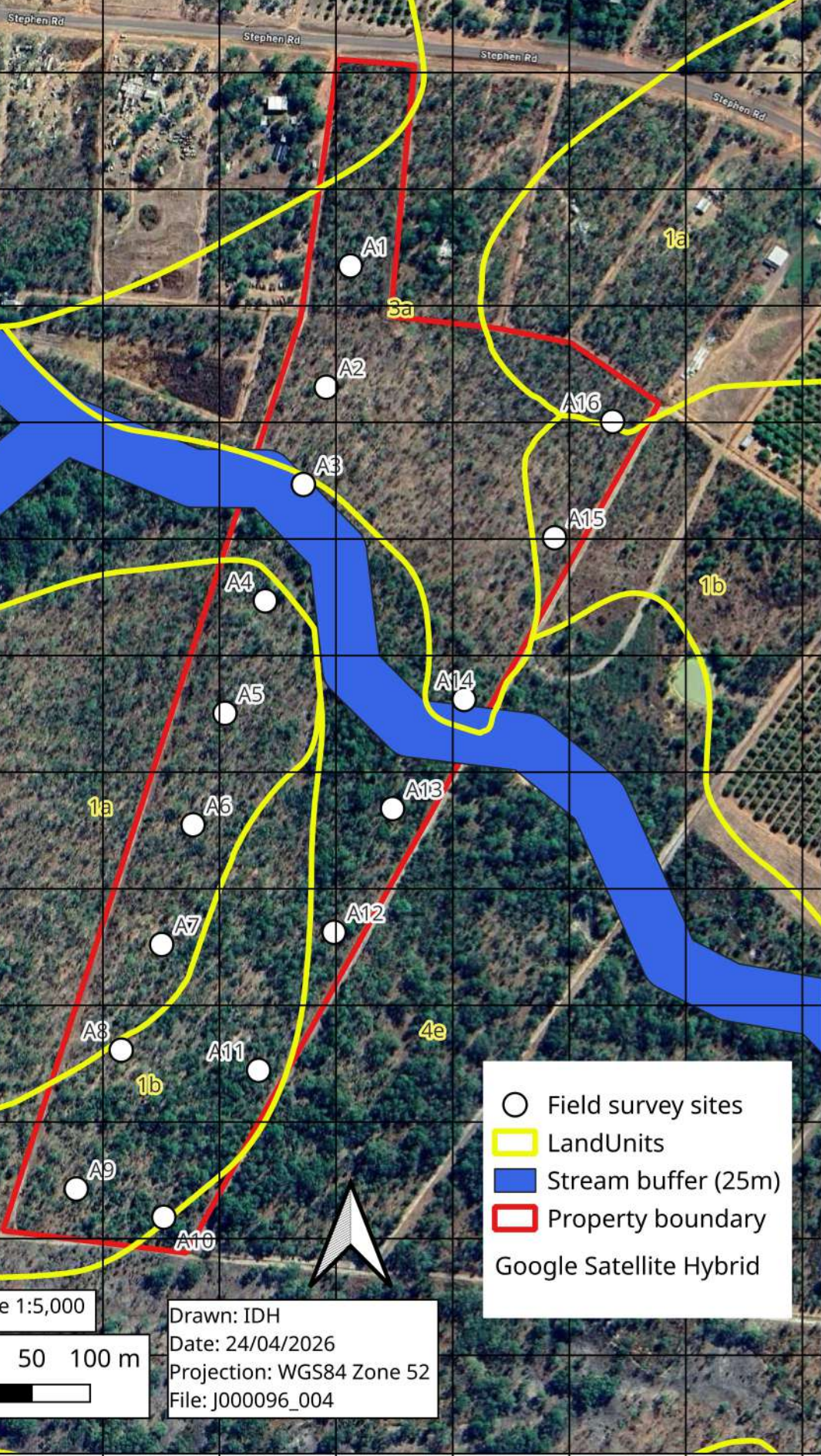
4a- Land type map



769100 769200 769300 769400 769500 769600 769700 769800

8587700
8587600
8587500
8587400
8587300
8587200
8587100
8587000
8586900
8586800
8586700
8586600

8587700
8587600
8587500
8587400
8587300
8587200
8587100
8587000
8586900
8586800
8586700
8586600



- Field survey sites
- LandUnits
- Stream buffer (25m)
- Property boundary
- Google Satellite Hybrid

Scale 1:5,000
0 50 100 m

Drawn: IDH
Date: 24/04/2026
Projection: WGS84 Zone 52
File: J000096_004

769100 769200 769300 769400 769500 769600 769700 769800

5a_LandUnit Capability and Suitability Assessment

Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.

Land capability and agricultural suitability assessment			
Land Unit 1a — Site and soil data			
Sites	A4, A7, A16		
Land use/cover	Irrigated horticulture		
Soil classification	Petroferric Acidic Brown Kandosols: moderately deep, moderately gravelly, loamy, clay loamy, moderately deep		
Soil map unit name	Land Unit 1a		
Soil type correlation (and reference)	Fogarty, Peter (1980) THE LAND RESOURCES OF THE MARRAKAI AREA, Technical Report LC80/1, Land Conservation Unit, Conservation Commission of the Northern Territory, Darwin.		
Surface rock	Slightly rocky (2-10%) sandstone rock outcrop; very abundant (50-90%), fine gravelly surface coarse fragments		
Slope and landform	1-2%		
Surface condition	firm and wet, 50 % 2-5mm diameter gravel		
Soil profile description			
A1 0 mm – 200 mm	Dark reddish grey (2.5YR4/1-Moist); sandy loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; moist; non-plastic; non-calcareous; Clearchange to -		
A2 200 mm – 300 mm	Reddish grey (2.5YR6/1-Moist); sandy loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; sandy loam; non-plastic; non-calcareous; Clear change to -		
A3 300 mm – 400 mm	Reddish grey (2.5YR6/1-Moist); sandy loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; sandy loam; non-plastic; non-calcareous; Clear change to -		
B3 400 mm – 500 mm	Red (2.5YR4/6-Moist); sandy clay loam; pH 5.5; extremely abundant fine gravelly ferruginised sandstone; moist; non-calcareous; Clear change to -		
Cr 500 mm – 600 mm	Red (2.5YR4/6-Moist); sandy loam; pH 5.5; extremely abundant fine gravelly ferruginised sandstone; moist; non-calcareous;		
Land Unit 1a — Agricultural suitability assessment			
Soil suitability criteria	Threshold assessed	Assessment method	Pass (P) or fail (F)
1—Slope ($\leq 3\%$)	1	DEM	P
2—Rockiness ($\leq 20\%$ for rocks $> 70\text{mm}$ diam.)	2-10% 20-60 mm	soil profile morphology	P
3—Soil depth ($\geq 600\text{mm}$)	600 mm	soil profile morphology	P
4—Soil wetness (favorable drainage)	well drained	soil profile morphology	P
5—Soil pH (non-rigid soils – pH at 300 and 600 mm $\geq \text{pH}5.0$; rigid soils $\text{pH}5.1 < 8.9$)	pH 5.5 at 300 mm; pH 5.5 at 600 mm	Raupach field pH	P
6—Salinity (chloride content < 800 mg/kg within 600 mm of the soil surface)	NA	NA	P

Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.

Land capability and agricultural suitability assessment			
7—Soil water storage (SWS (≥100mm to a soil depth or physico-chemical limitation of ≤1000mm)	0.5 x (0.4x 115mm + 0.2x150mm) = 40mm SWS	Field texture profile	F

Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.

Land Unit 1b — Site and soil data			
Sites	A9, A11, A12,		
Land use/cover	Undisturbed native woodland		
Soil classification	Ferric Dystrophic Red Kurosol Moderately deep, very-gravelly Loamy Clayey Deep		
Soil map unit name	Land Unit 1b		
Soil type correlation (and reference)	Fogarty, Lynch, and Wood (1984) Land resources of the Elizabeth, Darwin, and Blackmore Rivers, (Land Conservation Unit, Conservation Commission of the Northern Territory)		
Surface rock	Slightly rocky (2-10%) sandstone rock outcrop; very abundant (50-90%), fine gravelly surface coarse fragments		
Slope and landform	0.5%		
Surface condition	firm and wet		
Soil profile description			
A1 0 mm – 200 mm	Dark reddish grey (2.5YR4/1-Moist); sandy loam; pH 6.0; very abundant fine gravelly ferruginised sandstone; moist; non-plastic; non-calcareous; Clearchange to -		
A2 200 mm – 400 mm	Reddish grey (2.5YR5/1-Moist); sandy loam; pH 6.0; very abundant fine gravelly ferruginised sandstone; sandy loam; non-plastic; non-calcareous; Clear change to -		
B1 400 mm – 800 mm	Reddish brown (2.5YR5/3-Moist); sandy loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; non-calcareous; Clear change to -		
B2 800 mm – 1100 mm	Reddish brown (2.5YR5/3-Moist); sandy loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; non-calcareous; Clear change to -		
Land Unit 1b — Agricultural suitability assessment			
SCL criteria	Threshold assessed	Assessment method	Pass (P) or fail (F)
1—Slope ($\leq 3\%$)	1	DEM	P
2—Rockiness ($\leq 20\%$ for rocks $> 70\text{mm}$ diam.)	2-10% 20-60 mm	soil profile morphology	P
3—Soil depth ($\geq 600\text{mm}$)	1100 mm	soil profile morphology	P
4—Soil wetness (favorable drainage)	Favorable drainage	soil profile morphology	P
5—Soil pH (non-rigid soils – pH at 300 and 600 mm $\geq \text{pH}5.0$; rigid soils $\text{pH}5.1 < 8.9$)	pH 6.0 at 300 mm; pH 5.5 at 600 mm	Raupach field pH	P
6—Salinity (chloride content < 800 mg/kg within 600 mm of the soil surface)	NA	NA	P
7—Soil water storage ($\geq 100\text{mm}$ to a soil depth or physico-chemical limitation of $\leq 1000\text{mm}$)	$0.5 \times (0.8 \times 115\text{mm} + 0.2 \times 150\text{mm}) = 85\text{mm}$ SWS	Field texture profile	F

Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.

Land Unit 3a — Site and soil data			
Sites	A1, A2		
Land use/cover	Undisturbed native woodland; limited clearing and irrigated cultivation		
Soil classification	Ferric Dystrophic Red Kurosol Moderately deep, very-gravelly Loamy Clayey Deep		
Soil map unit name	Land Unit 3a		
Soil type correlation (and reference)	Fogarty, Lynch, and Wood (1984) Land resources of the Elizabeth, Darwin, and Blackmore Rivers, (Land Conservation Unit, Conservation Commission of the Northern Territory)		
Surface rock	Rocky (10-20%) sandstone rock outcrop; very abundant (50-90%), fine gravelly surface coarse fragments		
Slope and landform	0.5%		
Surface condition	firm and wet		
Soil profile description			
A11 0 mm – 200 mm	Dark reddish grey (2.5YR4/1-Moist); sandy loam; pH 6.0; very abundant fine gravelly ferruginised sandstone; moist; non-plastic; non-calcareous; Clearchange to -		
A12 200 - 400 mm	Weak red (2.5YR4/2-Moist); sandy loam; pH 6.0; abundant fine gravelly ferruginised sandstone; sandy loam; moist; non-plastic; non-calcareous; Clear change to -		
A2 400 mm – 500 mm	Reddish grey (2.5YR6/1-Moist); sandy loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; sandy loam; non-plastic; non-calcareous; Clear change to -		
B1 500 mm – 800 mm	Reddish brown (2.5YR4/4-Moist); sandy clay loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; non-calcareous; Clear change to -		
B2 800 mm – 1000 mm	Red (2.5YR4/6-Moist); clay loam; pH 5.5; extremely abundant fine gravelly ferruginised sandstone; moist; non-calcareous; Clear change to -		
1BC 1000 - 1100 mm	Red (2.5YR4/6-Moist); clay loam; pH 5.5; extremely abundant fine gravelly ferruginised sandstone; moist; non-calcareous;		
Land Unit 3a — Agricultural suitability assessment			
SCL criteria	Threshold assessed	Assessment method	Pass (P) or fail (F)
1—Slope ($\leq 3\%$)	1	DEM	P
2—Rockiness ($\leq 20\%$ for rocks $> 70\text{mm}$ diam.)	2-10% 20-60 mm	soil profile morphology	P
3—Soil depth ($\geq 600\text{mm}$)	1100 mm	soil profile morphology	P
4—Soil wetness (favorable drainage)	Favorable drainage	soil profile morphology	P
5—Soil pH (non-rigid soils – pH at 300 and 600 mm $\geq \text{pH}5.0$; rigid soils $\text{pH}5.1 < 8.9$)	pH 6.0 at 300 mm; pH 5.5 at 600 mm	Raupach field pH	P
6—Salinity (chloride content < 800 mg/kg within 600 mm of the soil surface)	NA	NA	P
7—Soil water storage ($\geq 100\text{mm}$ to a soil depth or physico-chemical limitation of $\leq 1000\text{mm}$)	$0.5 \times (0.5 \times 115\text{mm} + 0.5 \times 150\text{mm}) = 65$ mm SWS	Field texture profile	F

Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.

Land Unit 4e — Site and soil data			
Sites	A3, A13, A14		
Land use/cover	Undisturbed native woodland; riparian vegetation, drainage line		
Soil classification	Ferric Dystrophic Red Kurosol Moderately deep, very-gravelly Loamy Clayey Deep		
Soil map unit name	Land Unit 4e		
Soil type correlation (and reference)	Fogarty, Lynch, and Wood (1984) Land resources of the Elizabeth, Darwin, and Blackmore Rivers, (Land Conservation Unit, Conservation Commission of the Northern Territory)		
Surface rock	Slightly rocky (2-10%) ferricrete at the surface; very abundant (50-90%), fine gravelly surface coarse fragments		
Slope and landform	0.5%		
Surface condition	firm and wet; poorly drained and inundated for weeks at a time in the wet season		
Soil profile description			
A1 0 mm – 100 mm	Very dark grey (10YR3/1-Moist); sandy loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; moist; non-plastic; non-calcareous; Clearchange to -		
A2 100 - 300 mm	Grey (10YR3/1-Moist); silt loam; pH 5.5; very abundant fine gravelly ferruginised sandstone; sandy loam; non-plastic; non-calcareous; Clear change to -		
A2 300 mm – 400 mm	Grey (10YR6/1-Moist); clay loam; pH 5.5; extremely abundant fine gravelly ferruginised sandstone; moist; non-calcareous; Clear change to -		
B1 400 mm – 500 mm	Red (10YR6/1-Moist); prominent brownish yellow mottles (10YR 6/6) light clay; pH 5.5; extremely abundant fine gravelly ferruginised sandstone; moist; non-calcareous; Abrupt change to -		
Cr 500 - 600 mm	Brown (10YR4/3-Moist); lateritised sandstone;		
Land Unit 4e — Agricultural suitability assessment			
SCL criteria	Threshold assessed	Assessment method	Pass (P) or fail (F)
1—Slope ($\leq 3\%$)	1	DEM	P
2—Rockiness ($\leq 20\%$ for rocks $>70\text{mm}$ diam.)	2-10% 20-60 mm	soil profile morphology	P
3—Soil depth ($\geq 600\text{mm}$)	1100 mm	soil profile morphology	P
4—Soil wetness (favorable drainage)	poor drainage	soil profile morphology	F
5—Soil pH (non-rigid soils – pH at 300 and 600 mm $\geq \text{pH}5.0$; rigid soils $\text{pH}5.1 < 8.9$)	pH 6.0 at 300 mm; pH 5.5 at 600 mm	Raupach field pH	P
6—Salinity (chloride content < 800 mg/kg within 600 mm of the soil surface)	NA	NA	P
7—Soil water storage ($\geq 100\text{mm}$ to a soil depth or physico-chemical limitation of $\leq 1000\text{mm}$)	$0.5 \times (0.5 \times 115\text{mm} + 0.5 \times 150\text{mm}) = 65$ mm SWS	Field texture profile	F

Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.

Note: Refer to Attachment 2 Soil and land suitability assessment for irrigated agriculture in the Wildman River (section 7.2.1) for suitability scoring. The overall land capability class for Land Type 4e was downgraded from 4 to 5 to account for off-site environmental protection values. Land type 4e (drainage depression) is not suitable for clearing and agricultural development. Other land types are suitable for irrigated agriculture with management to address potentially severe major and minor nutrient constraints with fertilizer.

Land capability assessment for each land type

Land Type	Acid Sulfate Soils	Flooding	Microrelief	Salinity	Sodicity	Slope	Soil depth	Drainage	Surface Rock	Wind erosion	Initial capability class	Overall capability class
1a	1	1	1	1	1	2	2	1	2	1	2	2
1b	1	1	1	1	1	1	1	1	2	1	2	2
3a	1	1	1	1	1	2	1	1	3	1	3	3
4e	1	4	1	1	1	1	3	4	3	1	4	5

Soil and landscape descriptions indicate conditions observed at specific sites in field survey by Dr Ian Hollingsworth on the 20 April 2026. Any extrapolation is at the risk of the user.

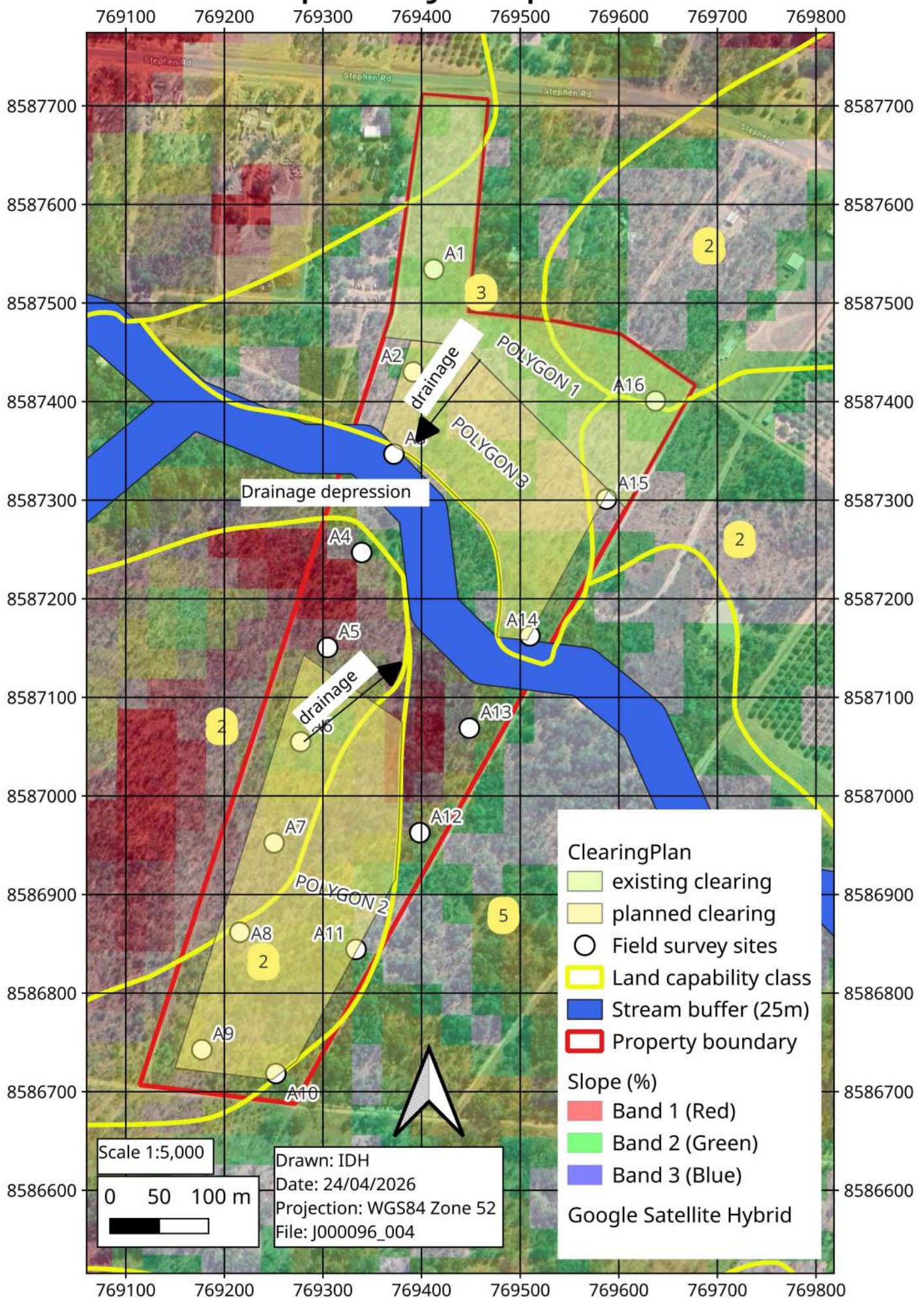
Land types 1a, 1b and 3a are considered to be suitable for irrigated agriculture for a range of monsoon and rainforest type crops with fertilizer management of low soil chemical fertility, and cultivation and irrigation management of low water holding capacity (associated with gravel and moderate soil depth) by using drip irrigation designed to apply water at rates similar to plant water use rates; and bed forming to increase topsoil depth. The soils are generally unsuitable for root crops due to the high gravel content.

Land suitability assessment for a range of monsoon and rainforest type crops listed in Attachment 2 (section 7.2.1)

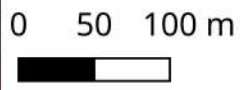
Land Type	Tree crops				Row crops			Root crops	Forestry	
	Group									
	1 Monsoon crops (eg. mango)	2 Rainforest crops (eg. rambutan)	3 Citrus (eg. lime)	4 Fruit row crops (eg. pineapple)	5 Curcurbits (eg. asian melons)	6 Fruiting vegetables (eg. okra)	7 Leafy vegetables (eg. kan kong, lemon grass)	8 Tubers (eg. taro)	9 Sandalwood	10 Irrigated flowers (eg. curcurma)
1a	3 (Pd, R, M, N)	3 (Pd, R, M, N)	3 (Pd, R, M, N)	3 (R, M, N)	3 (R, M, N)	3 (R, M, N)	3 (R, M, N)	4 (R, N)	3 (N, Pd)	3 (N, Pd)
1b	2 (M, N)	2 (M, N)	2 (M, N)	2 (M, N)	2 (M, N)	2 (M, N)	2 (M, N)	4 (R, N)	2 (N)	2 (N)
3a	3 (R, M, N)	3 (R, M, N)	3 (R, M, N)	3 (R, M, N)	3 (R, M, N)	3 (R, M, N)	3 (R, M, N)	4 (R, N)	2 (N)	2 (N)
4e	2 (M, N)	2 (Pd, M, N)	2 (Pd, M, N)	2 (Pd, M, N)	2 (Pd, M, N)	2 (Pd, M, N)	2 (M, N)	5 (W, Pd, R, N)	5 (F)	5 (W, Pd, R, N)

Limitations: R - rockiness; M - soil water availability; N - nutrient deficiency; Pd - soil depth; W - wetness

5b- Land capability map



Scale 1:5,000



Drawn: IDH
 Date: 24/04/2026
 Projection: WGS84 Zone 52
 File: J000096_004

ClearingPlan

- existing clearing
- planned clearing
- Field survey sites
- Land capability class
- Stream buffer (25m)
- Property boundary

Slope (%)

- Band 1 (Red)
- Band 2 (Green)
- Band 3 (Blue)

Google Satellite Hybrid



APPLICATION FOR DEVELOPMENT CONSENT

SECTION 46 – *PLANNING ACT*

NT PORTION 4598 (133) STEPHEN ROAD

PURPOSE:

LAND CLEARING

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Appendices

- Appendix A1, Detailed Land Clearing Application
- Appendix A2, Property Development Plan
- Appendix A3, Land Clearing Application
- Appendix A4, Title Search Certificate

1.0 Preliminary

1.1 Introduction Summary and Nature of the application

One Planning Consult has been engaged on behalf of the proponent(s) to prepare and lodge development for the purpose of land clearing. The subject site is NT Portion 4598 (133) Stephen Road. The site is unzoned land with an area of 2.98ha.

Pursuant to section 46 (1) of *the Planning Act*, the application is prepared to seek planning approval to clear native vegetation. The clearing of native vegetation of more than one hectare in aggregate of land (including any area already cleared of native vegetation) on unzoned land requires consent pursuant to clause 3.2 of the NT Planning Scheme. The details of Property Development Plan are in **Appendix A2** attached. Further details regarding the application are discussed in **Appendix A1**.

1.2 Landowner(s) – Section 46 (aa)

Applicant: One Planning Consult on behalf of the proponent(s)
 Landowner: Mekong Enterprises Pty Ltd

Refer to Search Certificate at **Appendix A4** obtained at the time of preparing this application report.

2. The Location and Zoning of Land

The site is located approximately 76 km east of Darwin and located close to the west of the Adelaide River and partly to the south of the coastline of Van Diemen Gulf. Access to the site is through Stephen Road. The following land zones are immediate to the subject site:

- To the northern and across Stephen Road is privately owned unzoned land.
- To the east, west and south is privately owned unzoned land.

The proposed development which comprises clearing of native vegetation is subject to all the relevant clauses of the Planning Scheme that apply to unzoned land. The relevant clause(s) of the Scheme applicable to the development is clause 3.2 CNV (Clearing of Native Vegetation) of the NT Planning Scheme.

Figure 1– Site location, extract - NT Atlas



The land is not covered by zone as identified under the 'town Planning' zones layer on NT Atlas and therefore no planning controls are applicable to the land except for subdivision or land clearing exceeding 1 ha in aggregate of land.

3. Site Description and Topography

The subject site has an area of 20.98 ha and is accessed from Stephen Road. The land slopes gently toward the rear boundary, with gradients of 1–2% across the proposed clearing areas. A stream runs near the centre of the property. The site is irregular in shape (flag-lot) and becomes narrow towards the rear boundary.

4. Proposal

The proposal involves clearing native vegetation to support the intended horticultural use of the land. Although the surrounding area contains substantial native vegetation, some clearing is required to enable crop planting. As outlined in the land clearing application, the proposal includes a 25m boundary buffer including a 5m firebreak and a 20m boundary buffer including 5m firebreak. The total area covered by the land clearing application, including existing and proposed clearing, is 12.5ha, as shown in **Appendix A2**. The proponent also proposes to revegetate a 15m buffer along the lower eastern boundary of polygon 1 adjoining Section 4602. The proposed buffers in relation to the site boundaries are illustrated in **Appendix A3**.

The proposal includes a 25 m buffer to the existing stream and an approximately 100–200 m conservation corridor extending toward Polygon 3.

5. Statutory Planning Consideration

46(3)(a) Relevant Clause(s) of the NT Planning Scheme applicable to the land

3.2 Clearing of Native Vegetation

The purpose of this clause is to identify areas with limits to the clearing of native vegetation and ensure that clearing in these areas does not:

- (a) impact on the conservation values of land within Zone CN; or*
- (b) unreasonably contribute to environmental degradation of the locality*

The proposed development does not entail clearing of land. N/A

Administration

1. The clearing of native vegetation of more than one hectare in aggregate of land (including any area already cleared of native vegetation) within the area subject to the Clearing of Native Vegetation Overlay requires consent. This Overlay applies to land within Zones RR, RL, R, H, A, CP, CN, RD, WM and Unzoned land.

The proposed development entail clearing of land that exceeds 1ha of site coverage.

4. The consent authority may consent to the clearing of native vegetation that is not in accordance

with sub-clause 6 only if it is satisfied that it is appropriate in the context of the site and the locality

having regard to such matters as:

- (a) the suitability of the site for the proposed use;*
- (b) the values associated with the environmental characteristics (as applicable);*
- (c) the significance, extent and likelihood of any potential environmental impacts; and*
- (d) the measures the application proposes will be implemented to mitigate any potential impacts.*

Requirements (Clause 5-6)

5. The clearing of native vegetation is to:

- (a) avoid impacts on environmentally significant or sensitive vegetation;*
- (b) be based on land capability and suitability for the intended use;*

- (c) avoid impacts on drainage areas, wetlands and waterways;*
- (d) avoid habitat fragmentation and impacts on native wildlife corridors; and*
- (e) avoid impacts on highly erodible soils.*

6. An application for the clearing of native vegetation is to demonstrate consideration of the following:

- (a) the Land Clearing Guidelines (as amended from time to time) by the agency responsible for natural resources and the environment;*
- (b) the presence of threatened wildlife as declared under the Territory Parks and Wildlife Conservation Act 1976;*
- (c) the presence of sensitive or significant vegetation communities such as rainforest, vine thicket, closed forest or riparian vegetation;*
- (d) the presence of essential habitats, within the meaning of the Territory Parks and Wildlife Conservation Act 1976;N/A*
- (e) the impact of the clearing on regional biodiversity;*
- (f) whether the clearing is necessary for the intended use;*
- (g) whether there is sufficient water for the intended use;*
- (h) whether the soils are suitable for the intended use;*
- (i) whether the slope is suitable for the intended use;*
- (j) the presence of permanent and seasonal water features such as billabongs and swamps;*
- (k) the retention of native vegetation adjacent to waterways, wetlands and rainforests;*
- (l) the retention of native vegetation buffers along boundaries;*
- (m) the retention of native vegetation corridors between remnant native vegetation;*
- (n) the presence of declared heritage places or archaeological sites within the meaning of the Heritage Act 2011; and*
- (o) the presence of any sacred sites within the meaning of the NT Aboriginal Sacred Sites Act 1989.*

A detailed application for clearing of native vegetation addressing the above matters is provided at **Appendix A1** of the development proposal documents attached.

46(3)(b) - Interim Development Control Orders

There are no interim development control orders applicable to the site or development.

46(3)(c) - Environmental Reports

The development does not require the preparation of any environmental reports or impact statements under the Environmental Assessment Act.

46(3)(d) – Merits

The primary purpose of this development is to obtain approval for land clearing to facilitate horticultural activities on the site. The development will provide economic benefits to the locality and support sustainable agriculture and food security both locally and more broadly. The proposed preservation of the 4.3 ha drainage depression stream, which widens toward the southern part of the site, will maintain the wildlife corridor through the property.

46(3)(e) - Land Capability

The site is considered capable of supporting the proposed development as it has steady slope terrains with manageable physical constraints. The impact of the development is not beyond what would be normally expected of this type of development.

46(3)(f) - Public Facilities and Public Open Space

Point Stuart Road runs the length of the western border. Another unnamed road runs along the entire southern boundary which serves as the access track to Stuarts Tree Fishing Camp. Mary River National Park is located north of the proposed clearing polygon and shares the northern boundary of NTP5794.

46(3)(g) - Public Utilities and Infrastructure

The land is located within locality with no reticulated sewer and water utility services. The development will have access to bore water and Aqua septic system to manage sewer on site.

46(3)(h) – Amenity

The NT Planning Scheme defines amenity, in relation to a locality or building, as any quality, condition or factor that makes the area or building harmonious, pleasant or enjoyable. The proposed development will remain within the site and includes appropriate buffers from the boundaries. It also retains biodiversity along the existing drainage depression stream that runs through the site.

46(3)(j) - Public Interest

The proposed development is consistent with the public's expectation of the land use in the area.

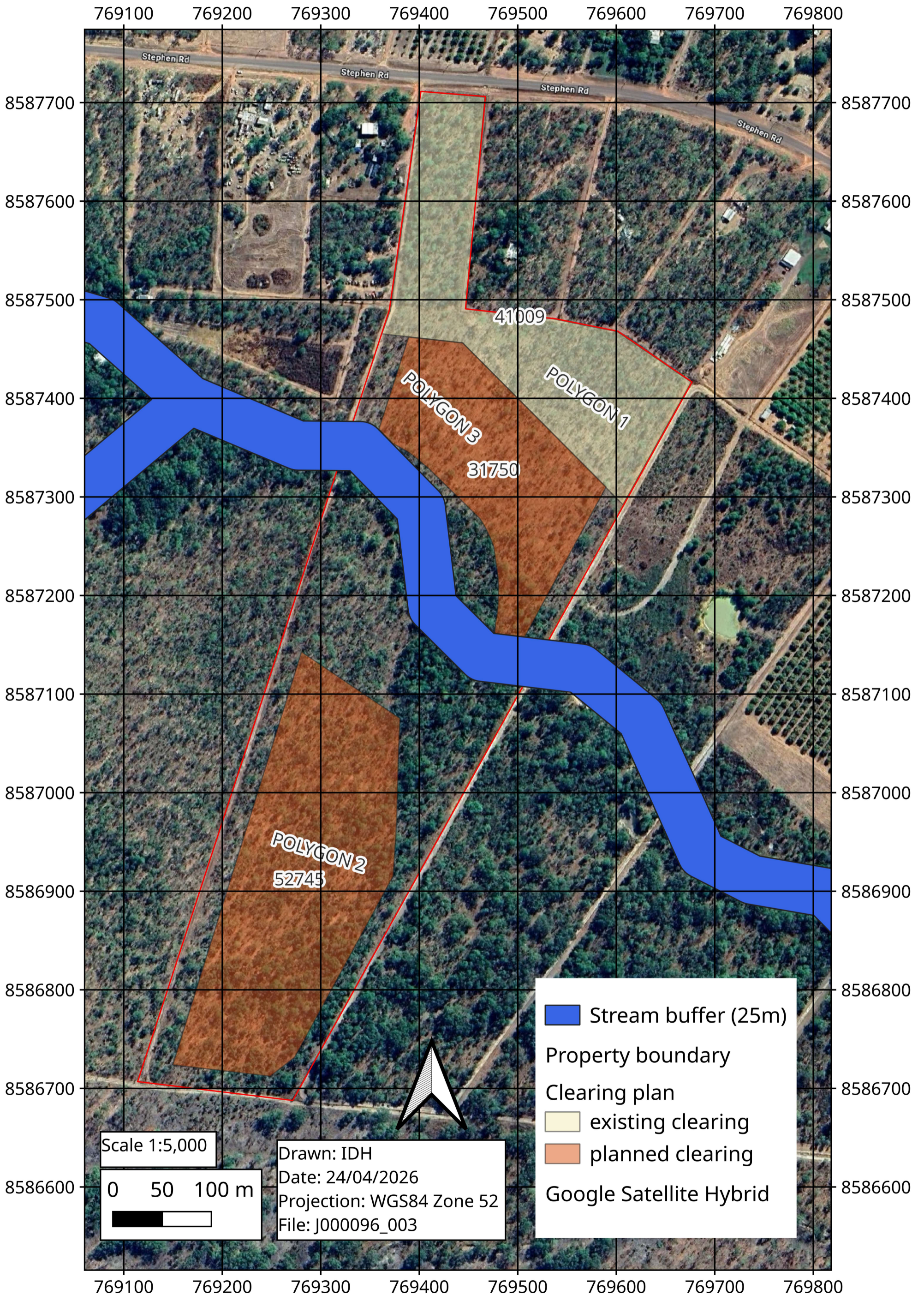
46(3)(k) - Building Act Compliance

There is no building proposed as part the proposed development.

5. Conclusion

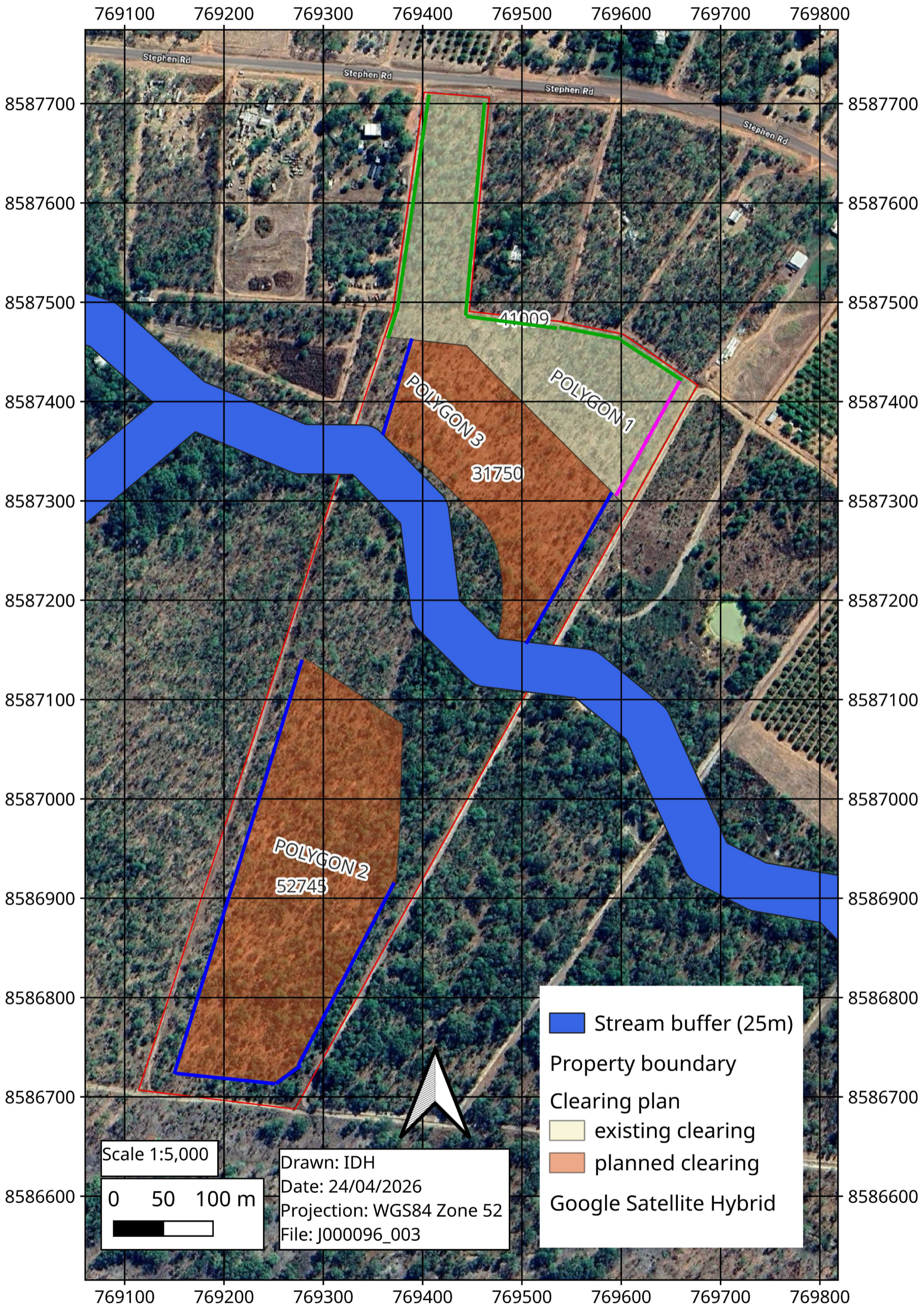
Overall, the development is broadly consistent with the intent of the NT Planning Scheme for clearing native vegetation on unzoned land. The proposed clearing will support horticultural use of the site while having a manageable impact on the existing landform. It will also deliver economic benefits to the local community.

Clearing plan map



PROPOSED BUFFERS ILLUSTRATION

- 20m buffer plus 5m firebreak
- 5m firebreak
- 15m buffer plus 5m firebreak



Scale 1:5,000
 0 50 100 m

Drawn: IDH
 Date: 24/04/2026
 Projection: WGS84 Zone 52
 File: J000096_003

■ Stream buffer (25m)
 Property boundary
 Clearing plan
■ existing clearing
■ planned clearing
 Google Satellite Hybrid

RE: Section 4598 (133) Stephen Road Marrakai - Land Clearing

From Heritage Branch <Heritage.Branch@nt.gov.au>

Date Thu 28/05/2026 2:56 PM

To ISRAEL KGOSIEMANG <israel.k@oneplanningconsult.com.au>

Good morning, Israel,

Thank you for your enquiry, and your patience as we respond to a large number of recent enquiries.

This initial advice is provided following a request for information from the Heritage Branch.

The Heritage Branch administers the *Heritage Act 2011* which protects all Aboriginal and Macassan archaeological places and all declared and provisionally declared heritage places. For requests related to sacred sites, contact the Aboriginal Areas Protection Authority <https://www.aapant.org.au>.

Work details

Name of proponent (company or department)	One Planning Consult
Contact person (name and title)	Israel Kgosiemang
Date enquiry received	13 May 2026
Location of work	NT Portion 4598 [133 Stephen Road, Marrakai]
Brief description of work as provided	Request for information for land clearing.
Date of Heritage Branch response	28 May 2026
Our reference	33-F26-41

Advice for Aboriginal or Macassan archaeological places and objects

The search has found that there are no recorded Aboriginal or Macassan archaeological places and objects within the subject site. The likelihood of possible unrecorded Aboriginal or Macassan archaeological places has been assessed as *possible*. The extent of pre-existing disturbance and the nature of the work itself has also been considered. Previous surveys in the impacted land system have identified protected Aboriginal archaeological places, including shell middens, Aboriginal quarries, and artefact scatters.

An Unexpected Finds Protocol and suitable induction materials should be developed for the project. This includes the requirement that if archaeological places are discovered over the course of the work, establish an exclusion zone around the site and contact the Heritage Branch immediately. The Heritage Branch can provide a template on request. Alternatively, the proponent may choose to undertake an archaeological survey of the proposed clearing area. This will provide the greatest level of risk management for the proposed land clearing works. The Heritage Branch can develop a suitable of works scope on request.

Advice for declared or Provisionally Declared heritage places and objects

The search has found that there are no nominated, provisionally declared or declared heritage places or objects within the subject site.

The context of Heritage Branch advice

The Heritage Branch administers the Northern Territory's *Heritage Act 2011* and provides authoritative advice about obligations under this legislation, including steps to take to manage the impact of proposed work on Aboriginal and Macassan archaeological places and objects.

It is important that advice given by the Heritage Branch is followed. A failure to follow advice may be considered as evidence in an investigation if damage occurs to an Aboriginal or Macassan archaeological place or object.

The Northern Territory's *Heritage Act 2011* (the Act)

Under the Act:

1. All provisionally declared and declared heritage places and objects are protected;
2. All Aboriginal or Macassan archaeological places and objects are automatically protected - this includes places and objects not previously recorded;
3. Archaeological places and objects include an artefact or thing given shape by a person - examples include stone tools, stone arrangements, fish traps, rock art, modified trees, and shell middens;
4. Ancestral remains are also protected;
5. Underwater Cultural Heritage is protected, up to three nautical miles from the coast;
6. There is an obligation to notify of the discovery of Aboriginal or Macassan archaeological places or objects;
7. Work carried out to a heritage place or object must follow the *Heritage Act 2011*.

Conditions of advice

1. This advice is based on the description of the proposed activity provided to the Heritage Branch. If the work expands or changes significantly please seek further advice.
2. In preparing this advice, the Heritage Branch has referred to an archaeological database which includes information about Aboriginal and Macassan archaeological places and objects in the Northern Territory. The database only includes information about recorded archaeological places and objects. The fact that there are no archaeological places or objects recorded may be because there have been no archaeological surveys conducted in that particular area, and is not necessarily an indication that archaeology does not exist.

Actions

The following actions have been taken in relation to the enquiry:

- A search of the Northern Territory Heritage Register;
- A search of the archaeological database for recorded archaeological places within the subject site;
- A search of the archaeological database for recorded archaeological places located within the proximity of the subject site;
- The extent of pre-existing ground disturbance;
- The scale and nature of the work proposed (major, moderate or minor);
- Areas identified as being excluded from the work footprint e.g. riparian buffers; and
- An assessment of the likelihood of unrecorded archaeological places existing within the subject site, based on landscape features, recorded archaeological places in the vicinity, and other predictive tools.

Further comments

Further information can also be found on our website:

<https://nt.gov.au/property/building/heritage-properties/heritage-properties-building-works-and-development>

[Aboriginal heritage information | NT.GOV.AU](#)

Best regards,

Ryan Crough-Heaton

Senior Heritage Officer
Heritage Branch
Department of Lands, Planning and Environment
Northern Territory Government

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P: +61 8 8999 5036

E: ryan.crough-heaton@nt.gov.au



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From: ISRAEL KGOSIEMANG <israel.k@oneplanningconsult.com.au>
Sent: Wednesday, 13 May 2026 15:17
To: Heritage Branch <Heritage.Branch@nt.gov.au>
Subject: Re: Section 4598 (133) Stephen Road Marrakai - Land Clearing

CAUTION: This email originated from outside of the organisation. Do not click links or open attachments unless you recognise the sender and know the content is safe.

Hi Sam,

Please note the attached as discussed. Let me know if that helps.

Kind regards,

ISRAEL T KGOSIEMANG
BSc URP MPIA

0417 787 473

israel.k@oneplanningconsult.com.au

P.O.Box 42279, Casuarina NT 0811



From: ISRAEL KGOSIEMANG <israel.k@oneplanningconsult.com.au>

Sent: Tuesday, 12 May 2026 8:18 PM

To: heritage.branch@nt.gov.au <heritage.branch@nt.gov.au>

Subject: Section 4598 (133) Stephen Road Marrakai - Land Clearing

Hi,

We are in process of lodging a land clearing application with the Department of Lands, Planning and Environment (DLPE). We are seeking advice regarding the proposed clearing in relation to the *Heritage Act 2011*.

Please note the attached land clearing and capability maps.

Kind regards,

ISRAEL T KGOSIEMANG
BSc URP MPIA

☎ 0417 787 473

✉ israel.k@oneplanningconsult.com.au

✉ P.O.Box 42279, Casuarina NT 0811





**Aboriginal Areas
Protection Authority**
protecting sacred sites across the territory

Our File: RI2026/483
In Reply Please Quote: 202606177

MEKONG ENTERPRISES PTY LTD
PO Box 42279
CASUARINA, NT, 0811

ATTENTION: Israel-Tshepo Kgosiemang
RE: Abstract of Records - Section 4598, 133 Stephen Road Marrakai - 202606177

On 29th May 2026 the Aboriginal Areas Protection Authority (the **Authority**) received your application for an abstract of records under regulation 7 of the *Northern Territory Aboriginal Sacred Sites Regulations 2004* (NT) (the **Regulations**).

The contents of this letter and the enclosed map comprise the abstract which is hereby provided to you for the purposes of regulation 7(3). I advise, in accordance with regulation 7(3)(a), that for the parcel of land the subject of this abstract:

- i. there are currently no registered sacred sites located on the parcel of land;
- ii. there are currently no recorded sacred sites located on the parcel of land;
- iii. there are currently no restricted work areas in the parcel of land which are provided for in Authority Certificate;
- iv. the Authority has not previously issued any Authority Certificates or undertaken any consultations in respect of sacred sites on the parcel of land, therefore, the Authority has no records in relation to the parcel of land.

The map enclosed provides an overview of any registered or recorded sacred sites and restricted work areas described above. The information provided to you in this abstract is for information purposes only and cannot be relied upon as an exhaustive list of sacred sites in the area. There may be other sacred sites in the parcel of land of which the Authority is not yet aware.

A person is only permitted to enter and remain on a sacred site, carry out works on a sacred site, or make use of a sacred site in accordance with an Authority Certificate granted by the Authority (refer ss22 and 25 of the Act, also see ss34 and 35). Should you desire to do any of these things please make an application for an Authority Certificate. Further information about this process can be found here – <https://www.ntlis.nt.gov.au/aapa-online/auth/login>. Undertaking any of these acts without an Authority Certificate puts you at risk of prosecution under the Act (refer ss33-35). This abstract does not protect you in any way for your acts and is not an Authority Certificate.

The current Act and Regulations can be found online here - <https://legislation.nt.gov.au/>. Please ensure you are familiar with the legislation, particularly the offences in relation to sacred sites and the processes involved for obtaining an Authority Certificate if and when you require one.

Further information concerning abstracts and requests for information from the Authority can be found in the frequently asked questions (**FAQs**) which can be found online here – <https://www.aapant.org.au/faq>.

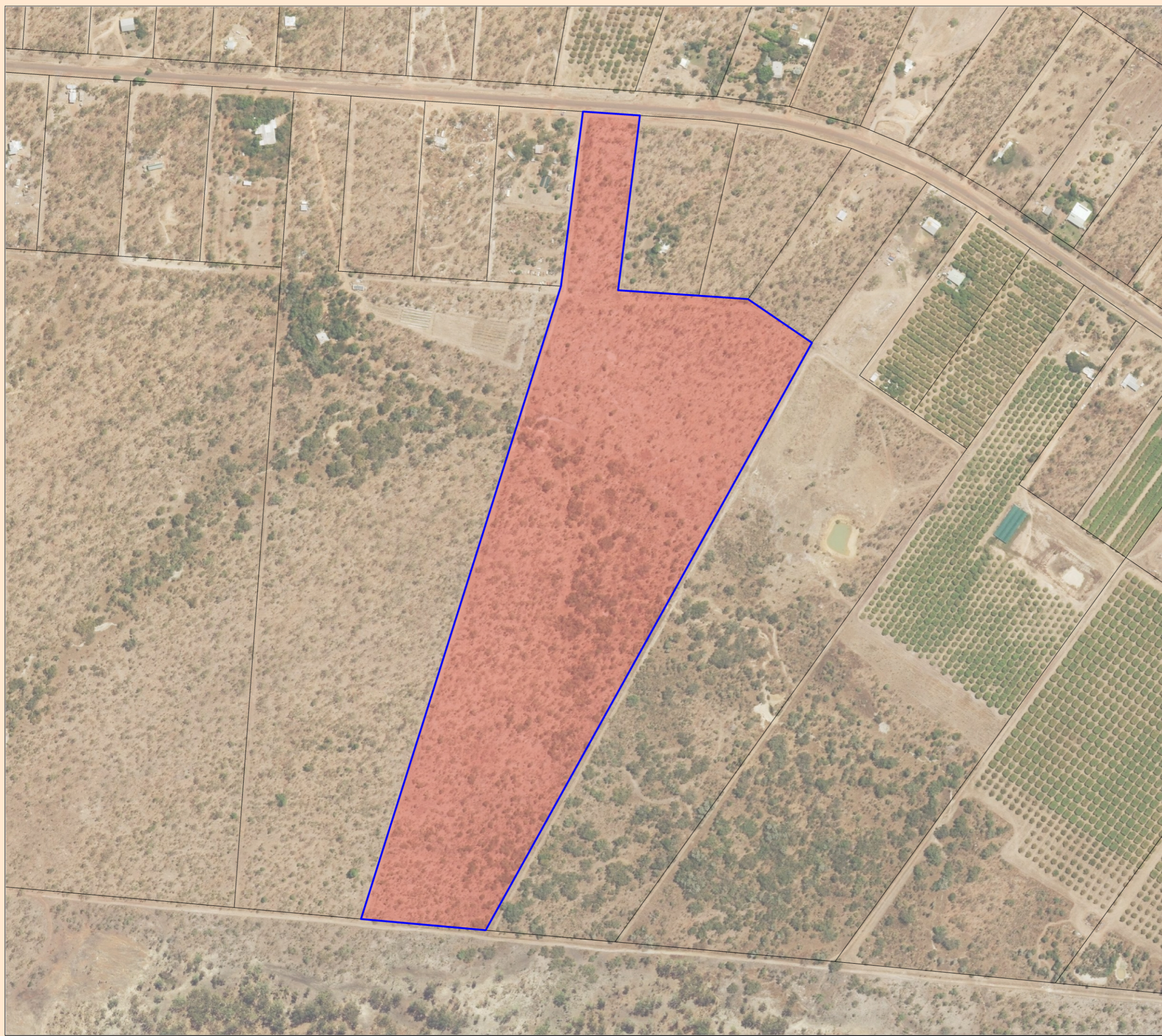
The cost of providing the information set out in this letter and the attached map is \$33 (GST inclusive if applicable), payable by credit card. If you have any queries, please do not hesitate to contact the Registrar via email through enquiries.aapa@aapant.org.au or (08) 8999 4356.

Yours sincerely,

Wendy Forscutt
REGISTRAR
29th May 2026

Darwin
P: +61 (08) 8999 4365
F: +61 (08) 8999 4334
www.aapant.org.au
enquiries.aapa@aapant.org.au
4th Floor, R.C.G Centre
47 Mitchell Street DARWIN NT
GPO Box 1890, DARWIN NT 0801

Alice Springs
P: +61 (08) 8951 5023
F: +61 (08) 8951 7398
www.aapant.org.au
enquiries.aapa@aapant.org.au
1st Floor, NT House
44 Bath Street ALICE SPRINGS NT
All mail to Darwin GPO



Abstract of Authority's Records - Regulation 7(3)(b) - 202606177

Provided to:
MEKONG ENTERPRISES PTY LTD

ASSESSED AT 29/05/2026

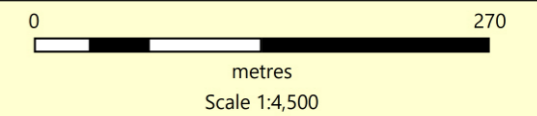
**This Abstract of Records is not an
Authority Certificate. It is not for
works, publication or distribution.**

**It is an offence under s.38 to publish or
distribute this Abstract of Records
without permission of the Authority.**


To seek an Authority Certificate from the Authority
apply online at www.aapant.org.au/our-services

N.B. The Sacred Site point is indicative of the
general sacred site location and does not necessarily represent the
location of any specific feature of the sacred site or the site extent and
is not an exhaustive record as unrecorded site may exist in the area

J2026-0506



KEY

 Subject Land

 No Records available
for Public Inspection



**Aboriginal Areas
Protection Authority**
protecting sacred sites across the territory

*Prepared and produced by Aboriginal
Areas Protection Authority (AAPA),
Darwin, Northern Territory of Australia*


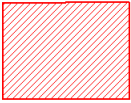



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

Frequently Asked Questions


In these FAQs, a reference to:

- “the Act” is a reference to the *Northern Territory Aboriginal Sacred Sites Act 1989* (NT); and
 - “the Regulations” is a reference to the *Northern Territory Aboriginal Sacred Sites Regulations 2004* (NT).
- The Act and Regulations can be found here - <https://legislation.nt.gov.au/>.

Question	Answer
<p>What is a sacred site?</p>	<p>The term “sacred site” is defined in s3 of the Act by reference to its meaning in the <i>Aboriginal Land Rights (Northern Territory) Act 1976</i> (Cth) which provides a sacred site is “a site that is sacred to Aboriginals or is otherwise of significance according to Aboriginal tradition, and includes any land that, under a law of the Northern Territory, is declared to be sacred to Aboriginals or of significance according to Aboriginal tradition”.</p>
<p>What is a registered sacred site?</p>	<p>A registered sacred site is indicated on the map by this symbol: </p> <p>The site number is indicated on the map by a number in the following format XXXX-XX.</p> <p>A registered sacred site is a site that has been added to the Register of Sacred Sites maintained by the Authority following the process set out in Part III Division 2 of the Act.</p> <p>The effect of registering a sacred site is set out in s45 of the Act.</p> <p>The extent of a registered site is the red hatched area: </p>
<p>What is a recorded sacred site?</p>	<p>A recorded sacred site is a site that is known to the Authority but has not been registered and includes recorded sacred burial sites. The Authority may hold the information required to register the site should this become the wishes of the custodians. Alternatively, a recorded sacred site may still require further research in order to obtain all necessary information. The recorded coordinate point for a sacred site is a reference point only and does not necessarily indicate the location or extent of any specific site feature.</p> <p>A recorded sacred site point is indicated on the map by this symbol: </p> <p>A recorded sacred burial site is indicated on the map by this symbol: </p> <p>Note that recorded sites have not gone through the registration process set out in s28 of the Act. As such, the full extent of the sacred site may change upon registration. The extent of a recorded sacred site is the green hatched area. </p>
<p>The map shows that there are no registered or recorded sites in the area of interest.</p> <p>Does this mean I can proceed with my works?</p>	<p>Whether you proceed with your works is a decision for you however you should carefully consider the area concerned and the provisions of the Act (particularly those that address the protections an Authority Certificate provides and the punishments prescribed for the offences set out in Part IV of the Act).</p> <p>If there is no record of an Authority Certificate being issued over the area concerned, it is possible that there may be sacred sites that are not currently known to the Authority.</p>
<p>How long does it take to get an Authority Certificate?</p>	<p>The Authority takes an average of three months to produce an Authority Certificate. The timeframe will vary depending on various factors including the complexity of the proposed works, availability of custodians, remoteness, and access to land.</p>

Question	Answer
<p>How much does an Authority Certificate cost?</p>	<p>Division 1A and Division 1 of Part III of the Act set out the procedures for applications for Authority Certificates.</p> <p>The cost of an Authority Certificate differs depending on whether it is a “standard application” or a “non-standard application”. The classification of an application is determined by the Authority in accordance with the guidelines prescribed by Regulation 3 and set out at Schedule 1 to the Regulations.</p> <p>Standard applications will incur a fee in accordance with Schedule 4 of the Regulations.</p> <p>Non-standard applications are subject to charges which will depend on the nature of the application and the work required by the Authority. These charges are calculated by the Authority in accordance with Regulation 6 of the Regulations. If you submit an application that is determined to be a non-standard application, the Authority will provide you with an estimate of charges for your consideration and approval.</p>
<p>What information is on the Register of Sacred Sites?</p>	<p>The information on the Register of Sacred Sites differs due to the information available and the information permitted by the custodians of the sacred site to be recorded. Please refer to section 29 of the Act for further information. However, generally the Register of Sacred Sites may include the following types of information in relation to a sacred site:</p> <ul style="list-style-type: none"> • the coordinate point of the site (NB: the coordinate point for a sacred site is a reference point only and does not necessarily indicate the location or extent of any specific site feature); • features of the site; • geographic description; • custodian group details; and • Aboriginal traditions associated with the site.
<p>How do I inspect the Register of Sacred Sites?</p>	<p>Section 48 of the Act allows a person to apply to the Authority to inspect the Register of Sacred Sites.</p> <p>The viewing will take place in the Authority’s offices, which are located in Darwin and Alice Springs. No hard or soft copies of the Register will be provided and photographs of the Register are prohibited.</p> <p>Information that is of a sensitive commercial nature or relates to matters required to be kept secret according to Aboriginal tradition will not be provided.</p> <p>To view the Register of Sacred Sites please apply online. You must specify the sites or certificates that you would like to view (see the map for the relevant numbers). A staff member will then contact you to organise an inspection time in either our Darwin or Alice Springs office.</p> <p>In accordance with regulation 8 and with reference to item 2 of Schedule 4 to the Regulations, the fee payable to inspect the Register of Sacred Sites is 23 revenue units per sacred site.</p>
<p>Authority Certificate Records are available for Public Inspection in the area of interest. What does this mean?</p>	<p>Areas over which the Authority has previously issued an Authority Certificate are indicated on the map by this hatching: </p> <p>In an abstract provided by the Authority pursuant to regulation 7(3) of the Regulations, areas over which the Authority has previously issued an Authority Certificate are indicated on the map.</p> <p>For these areas, the Authority has consulted custodians for the area in the past about prior works. There may be conditions in the Authority Certificate. These conditions will relate to the works covered by that certificate only.</p> <p>You cannot rely on an Authority Certificate that was issued to another person.</p> <p>If there is a record of an Authority Certificate being issued over the area concerned, that certificate only applies to those prior works and will not provide any protection for your works.</p>

Question	Answer
<p>There was an Authority Certificate refused in the area of interest. What does this mean?</p>	<p>Areas over which the Authority has refused to issue an Authority Certificate are indicated on the map by this hatching: </p> <p>Applications for Authority Certificates that have been refused can be viewed on the Authority's Register.</p>
<p>There are restricted work areas in the area of interest. What does this mean?</p>	<p>In an abstract provided by the Authority pursuant to regulation 7(3) of the Regulations, a restricted work area will be indicated on the map by this hatching: </p> <p>A restricted work area relates to an area identified in an issued Authority Certificate. It is an area that had restrictions on the kind of activities that were permitted (or not permitted) in the area.</p>
<p>Can I see the Authority Certificate records that are available for public inspection over the area of interest?</p>	<p>Yes. The Authority will provide access to information on prior Authority Certificates that have been issued in the area of interest. An application may be made pursuant to section 48.</p> <p>You will be provided with a list of Authority Certificates granted or refused over the area of interest, including the conditions for any works that may have been proposed for that area. The conditions listed in a prior Authority Certificate are for the works stated in that particular Certificate. Restrictions on works can vary. Sometimes an Authority Certificate will prohibit any work in the area or will prevent certain activities, such as ground disturbing work, damage to trees, or the removal of sand or gravel. The conditions in a certificate are specific to each application and depend on the works proposed.</p> <p>The viewing will take place in the Authority's offices, which are located in Darwin and Alice Springs. No hard or soft copies of the Register will be provided and photographs of the Register are prohibited.</p> <p>Information that is of a sensitive commercial nature or relates to matters required to be kept secret according to Aboriginal tradition will not be provided.</p> <p>To view Authority Certificates that have been previously issued or refused in your area of interest, please apply online. You must specify the sites or certificates that you would like to view. The map contained in this letter will contain relevant record reference numbers. A staff member will then contact you to organise an inspection time in either our Darwin or Alice Springs office.</p> <p>In accordance with regulation 8 and with reference to item 3 of Schedule 4 to the Regulations, the fee payable to inspect the Register of Sacred Sites is 23 revenue units per inspection of Authority Certificate application and related Certificate or refusal.</p>
<p>No Authority Certificates have been issued in the area of interest. What does this mean?</p>	<p>Areas where the Authority has not issued an Authority Certificate are indicated on the map by this shading: </p> <p>In an abstract provided by the Authority pursuant to regulation 7(3) of the Regulations, areas where the Authority has not issued an Authority Certificate are indicated on the map. These are areas where the Authority has not undertaken anthropological research. The Authority may not have records of the sacred sites in this area. It means that there may be sites in the area and work should only proceed with an Authority Certificate, which will be issued after the Authority has spoken with custodians in the area.</p>
<p>There are "other sites" in the area of interest. What does this mean?</p>	<p>Other sites are shown on the map by this symbol: </p> <p>In an abstract provided by the Authority pursuant to regulation 7(3) of the Regulations, other sites (where known) are shown on the map. Other sites include archaeological places or sacred objects. These places and objects are protected under the <i>Heritage Act 2011</i> (NT).</p> <p>The extent of an "other site" is the diagonal blue hatched area. </p>

Question	Answer
<p>There is a burial site in the area of interest. What does this mean?</p>	<p>Burial sites are shown on the map by this symbol: </p> <p>In an abstract provided by the Authority pursuant to regulation 7(3) of the Regulations, burial sites (where known) are shown on the map.</p> <p>Under the <i>Criminal Code Act 1983</i> (NT) it is an offence to interfere with remains of a deceased person. It is also an offence contrary to the <i>Heritage Act 2011</i> to interfere with the remains of a deceased Aboriginal person without authorisation under that Act. In the event that any skeletal remains are unearthed, it is your responsibility to stop works and immediately report such disturbance to the NT Police and the Director Heritage Branch, Department of Territory Families, Housing and Communities.</p> <p>For further information, please contact the Director Heritage Branch, Department of Territory Families, Housing and Communities on (08) 8999 5051 or email heritage.branch@nt.gov.au.</p>
<p>I know the custodians of the sites in the area of interest. Do I still need an Authority Certificate?</p>	<p>Yes. An Authority Certificate provides a defence against prosecution under the Act as long as the conditions of the Certificate are adhered to. The Authority can only issue an Authority Certificate if it is satisfied of the matters set out in s22 of the Act.</p>
<p>I own the land that is the area of interest. Do I still need an Authority Certificate?</p>	<p>The rights of land owners are preserved under s44(1) of the Act. Ownership of the land, however, will not defend you against a prosecution under the Act in the event a sacred site is damaged. Only an Authority Certificate can do this. Owners of land that may include sacred sites should ensure they consider the Act and whether they may require an Authority Certificate for their use of the land.</p>
<p>Can I share my abstract of records with other people?</p>	<p>No. It is an offence under s38 of the Act to permit access to, or furnish a document produced for a purpose of the Act without permission of the Authority.</p> <p>The abstract of records has been provided to you by the Authority for the limited purpose of your consideration. Should you wish to share the abstract, you should write to the Authority seeking permission under s38(1) of the Act. You should detail the purpose of sharing the abstract of records.</p>
<p>Can I publish the abstract of records?</p>	<p>No. It is an offence under s38 of the Act to permit access to, or furnish a document produced for a purpose of the Act without permission of the Authority.</p> <p>The abstract of records has been provided to you by the Authority for the limited purpose of your consideration. Should you wish to publish the abstract, you should write to the Authority seeking permission under s38(1) of the Act. You should detail the purpose of publishing the abstract of records.</p>

RE: Abstract of Records - Section 4598, 133 Stephen Road Marrakai - 202606177

From Jayde Manning <Jayde.Manning@aapant.org.au>
Date Wed 3/06/2026 4:10 PM
To ISRAEL KGOSIEMANG <israel.k@oneplanningconsult.com.au>

Thank you Israel,

I am writing to advise that AAPA provides its conditional consent to share the Abstract of Records for the mentioned purposes.

Kind regards
Jayde



Jayde Manning
Ministerial and Policy Officer | Policy and Governance
Aboriginal Areas Protection Authority
Telephone: 08 8999 4303
Website: www.aapant.org.au

RCG Centre, Level 4
47 Mitchell Street Darwin | GPO Box 1890, DARWIN NT 0801

Work Hours: 9-day fortnight and am unavailable every second Friday.

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From: ISRAEL KGOSIEMANG <israel.k@oneplanningconsult.com.au>
Sent: Wednesday, 3 June 2026 4:07 PM
To: Jayde Manning <Jayde.Manning@aapant.org.au>
Subject: Re: Abstract of Records - Section 4598, 133 Stephen Road Marrakai - 202606177

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Hi Jayde,

This email confirms acknowledgement and agreement to the above terms.

Kind regards,

ISRAEL T KGOSIEMANG
BSc URP MPIA

0417 787 473
israel.k@oneplanningconsult.com.au
P.O.Box 42279, Casuarina NT 0811



From: Jayde Manning <Jayde.Manning@aapant.org.au>
Sent: Wednesday, 3 June 2026 4:03 PM
To: ISRAEL KGOSIEMANG <israel.k@oneplanningconsult.com.au>
Subject: RE: Abstract of Records - Section 4598, 133 Stephen Road Marrakai - 202606177

Hi Israel,

Please see below conditions of use. If you are happy with this please advise and then once you have replied I can advise that AAPA approves for use to share the Abstract of Records with DLPE and relevant Land Council for the land clearing application.

Conditions of Use

The Authority has received your request to use an Abstract of Records produced by the Authority for the purpose of inclusion in your land clearing applications. The Authority has determined that it will provide conditional consent to the use of the Abstract for the requested purpose upon written acceptance, and continued adherence to, the acknowledgements and conditions outlined below.

Conditions

One Planning Consult agrees:

- that the Abstract of Records, and all information provided by the Authority, is not to be published in part or cropped. For the avoidance of doubt, the Abstract and accompanying disclaimer must be published in full; and
- the accompanying disclaimer must be published in the application immediately before or after the Abstract of Records:

Disclaimer

This Abstract of Records has been provided by the Aboriginal Areas Protection Authority to One Planning Consult for the sole purpose of inclusion in land clearing applications. If it is required by law to publish the application then the Authority consents to the publication as required. It is an offence under s 38 of the Northern Territory Aboriginal Sacred Sites Act 1989 (NT) to permit further access to this information without the prior written consent of the Authority. For the identified subject land, the Abstract of Records identifies:

- Any registered or recorded sacred sites known to the Authority; and
- Any Restricted Work Areas (RWAs) established by the Authority in previously issued Authority Certificate(s).

The Abstract may show no sacred sites in the subject land, or part thereof, but this may be a function of the fact that the Authority has not yet undertaken work in the region, or that the work required to register a sacred site has not yet been completed. It does not mean there are no sites in the area. Where RWAs have been identified in the Abstract, Department of Lands, Planning and Environment cannot rely on this information as it only applies to those prior works and prior proponent to which the relevant Authority Certificate was issued.

Accordingly, the Abstract of Records is not evidence of whether or not a sacred site exists in the subject land and whether they are protected. Given this significant limitation, the Abstract may be used for information purposes only and not as a basis for proceeding with works or use. Further, an Abstract does not provide a defence against prosecution under the Sacred Sites Act, only an Authority Certificate issued by the Authority can do these things.

Acknowledgements

One Planning Consult acknowledges:

- the Abstract of Records does not provide a defence against prosecution for any entry, use or work under the *Northern Territory Aboriginal Sacred Sites Act 1989 (NT)* (Sacred Sites Act);
- it is an offence under s38 of the Sacred Sites Act to permit access to, or furnish a document produced for a purpose of the Act without the written permission of the Authority;
- the Abstract of Records has been provided to you by the Authority for the limited Purpose outlined above and cannot be used for any other purpose;
- the Authority can, in its absolute discretion, revoke its consent for use at any time;
- the Abstract of Records is not a definitive record of the existence or not, of sacred sites in the area, there may be sacred sites where there are none shown and the Authority does not guarantee the accuracy of the information provided for any purpose; and
- the Authority has the right to access sacred sites on the land under s47(1)(b) of the Sacred Sites Act to ensure they are being protected.

Please confirm via email that you acknowledge and agree to the above terms. Upon receipt of that email the Authority will provide its conditional consent to the use of the Abstract for the abovementioned purpose. You are not permitted to use the Abstract until receipt of such confirmation in writing.

Please contact the Technical team on technical.aapa@aapant.org.au should you have any questions regarding the above.



Jayde Manning
Ministerial and Policy Officer | Policy and Governance
Aboriginal Areas Protection Authority
Telephone: 08 8999 4303
Website: www.aapant.org.au

RCG Centre, Level 4
47 Mitchell Street Darwin | GPO Box 1890, DARWIN NT 0801

Work Hours: 9-day fortnight and am unavailable every second Friday.

From: ISRAEL KGOSIEMANG <israel.k@oneplanningconsult.com.au>
Sent: Wednesday, 3 June 2026 3:57 PM
To: Jayde Manning <Jayde.Manning@aapant.org.au>
Subject: Abstract of Records - Section 4598, 133 Stephen Road Marrakai - 202606177

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Hi Jayde,

As discussed, we are required to seek consent from AAPA to share the Abstract of Records with the Department of Lands, Planning and Environment, and the relevant Land Council for the purpose of lodging a land clearing application.

Could you please assist with consent for the purposes of sharing the records to facilitate land clearing application only.

Kind regards,

ISRAEL T KGOSIEMANG
BSc URP MPIA

0417 787 473
israel.k@oneplanningconsult.com.au
P.O.Box 42279, Casuarina NT 0811



Part 2 – Answer checklist

How to complete the answer checklist: Use questions 1-5 from Part 1 of the screening tool. Indicate answer to questions 1-5 in corresponding checkbox.

The table below gives an indication of possible *environmental values* and sensitivities for each environmental factor that should be addressed when considering each question. If the answer to a question is 'yes' or 'uncertain', it is possible that the proposal may have the potential to have a significant impact on the environment and the proposal should be referred to the NT EPA. If you answer 'no' to any question, provide a justification why there is no likely impact to that factor.

Theme	Environmental factor and objective	Indicative environmental values and sensitivities relevant to each environmental factor	Proponent's answer to screening questions 1-5				
			Q2	Q3	Q4	Q5	
			No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>				
			No <input type="checkbox"/> Yes <input type="checkbox"/>				
LAND	1) Landforms <u>Objective:</u> Conserve the variety and integrity of distinctive physical landforms.	<ul style="list-style-type: none"> distinctive features in the landscape, either geological or anthropogenic subterranean karstic terrain and faults craters, gorges, ranges, caves, massifs, escarpments, plateaus monuments tourism related to landforms 	Yes No Uncertain Not Applicable	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	If you answered No to any screening questions for Landforms, provide justification here:						
	2) Terrestrial environmental quality <u>Objective:</u> Protect the quality and integrity of land and soils so that environmental values are supported and maintained.	<ul style="list-style-type: none"> high quality soils, including chemical, physical, biological and aesthetic qualities that support life the biological processes that depend on soil quality 	Yes No Uncertain Not Applicable	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Theme	Environmental factor and objective	Indicative environmental values and sensitivities relevant to each environmental factor	Proponent's answer to screening questions 1-5			
			Q2	Q3	Q4	Q5
If you answered No to any screening questions for Terrestrial environmental quality, provide justification here:						
3) Terrestrial ecosystems <u>Objective:</u> Protect terrestrial habitats to maintain environmental values including biodiversity, ecological integrity and ecological functioning.	<ul style="list-style-type: none"> 'sensitive or significant' vegetation or buffers (as defined in the NT Land Clearing Guidelines) listed threatened species and their habitat (NT and Commonwealth) listed migratory species and their habitat (Commonwealth) listed threatened ecological communities (Commonwealth) locally endemic or restricted species and their habitat species that are data deficient with unknown protection status protected area or reserve, including Indigenous Protected Area biosecurity high quality biological and functional diversity, integrity and services 	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		No	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
		Uncertain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Not Applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If you answered No to any screening questions for Terrestrial ecosystems, provide justification here:						
1) Hydrological processes <u>Objective:</u> Protect the hydrological regimes of groundwater and surface water so that environmental values including ecological health, land uses and the welfare and amenity of people are maintained.	<ul style="list-style-type: none"> the supply and quantity of water in surface water features including rivers, lakes, wetlands, swamps, creeks, billabongs, intermittent streams, floodplains, mangroves and drainage lines the supply and quantity of water in groundwater features including aquifers, aquitards, water tables and the ecosystems they support (stygo fauna, vegetation and groundwater dependent ecosystems) declared beneficial uses present and future uses, and users of water current or potential water supplies, including regional scale aquifers culturally important water features or other features affected by water level 	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		No	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
		Uncertain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Not Applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If you answered No to any screening questions for Hydrological processes, provide justification here:						
2) Inland water environmental quality	<ul style="list-style-type: none"> the quality of water in surface water features including rivers, lakes, wetlands, swamps, creeks, billabongs, intermittent streams, floodplains, mangroves and drainage lines 	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		No	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Theme	Environmental factor and objective	Indicative environmental values and sensitivities relevant to each environmental factor	Proponent's answer to screening questions 1-5					
			Q2	Q3	Q4	Q5		
	<p>Objective: Protect the quality of groundwater and surface water so that environmental values including ecological health, land uses and the welfare and amenity of people are maintained.</p>	<ul style="list-style-type: none"> the quality of water in groundwater features including aquifers and water tables declared beneficial uses present and future uses and users of water current or potential water supplies, including regional scale aquifers potability / drinkability culturally important water features 	Uncertain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
			Not Applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	If you answered No to any screening questions for Inland water environmental quality, provide justification here:							
	3) Aquatic ecosystems	<p>Objective: Protect aquatic habitats to maintain environmental values including biodiversity, ecological integrity and ecological functioning.</p>	<ul style="list-style-type: none"> threatened species the health of the biota in inland waterways the habitats that support the lifecycle of aquatic biota groundwater dependent ecosystems Ramsar wetlands high quality biological and functional diversity, integrity and services 	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			No	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
			Uncertain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
			Not Applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If you answered No to any screening questions for Aquatic ecosystems, provide justification here:								
SEA	1) Coastal processes	<ul style="list-style-type: none"> processes that support marine ecosystems such as coral reefs and mangroves processes that support coastal morphology such as beaches, rock bars, and sandbars tidal creeks, deltas and river mouths storm surge protection unique coastal landforms 	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<p>Objective: Protect the geophysical and hydrological processes that shape coastal morphology so that the environmental values of the coast are maintained.</p>		No	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
			Uncertain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
			Not Applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If you answered No to any screening questions for Coastal processes, provide justification here:								
	2) Marine environmental quality	<ul style="list-style-type: none"> quality of the water, sediment and biota physical parameters that support fishing and aquaculture 	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Theme	Environmental factor and objective	Indicative environmental values and sensitivities relevant to each environmental factor	Proponent's answer to screening questions 1-5					
			Q2	Q3	Q4	Q5		
	<p>Objective: Protect the quality and productivity of water, sediment and biota so that environmental values are maintained.</p>	<ul style="list-style-type: none"> physical parameters that support recreation and aesthetics industrial water supply cultural and spiritual values 	No	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
			Uncertain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
			Not Applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<p>If you answered No to any screening questions for Marine environmental quality, provide justification here:</p>							
	3) Marine ecosystems	<p>Objective: Protect marine habitats to maintain environmental values including biodiversity, ecological integrity and ecological functioning.</p>	<ul style="list-style-type: none"> conservation significant marine and coastal fauna and critical habitat such as nesting, breeding or foraging habitat conservation significant marine and coastal benthos (seagrass meadows, sponge gardens, coral reefs, mangrove communities and salt marshes) groups of species (species richness and assemblages of species) ecological functions and processes high quality biological and functional diversity, integrity and services 	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			No	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
			Uncertain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
			Not Applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>If you answered No to any screening questions for Marine ecosystems, provide justification here:</p>								
AIR	<p>1) Air quality</p> <p>Objective: Protect air quality and minimise emissions and their impact so that environmental values are maintained.</p>	<ul style="list-style-type: none"> ambient air quality in the local airshed the chemical, physical and biological characteristics of quality air the biological processes that depend on the air quality 	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
			No	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
			Uncertain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
			Not Applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<p>If you answered No to any screening questions for Air quality, provide justification here:</p>							
2) Atmospheric processes	<p>Objective: Minimise greenhouse gas emissions so as to contribute to the</p>	<ul style="list-style-type: none"> a contribution to the NT's greenhouse gas emissions through nearing or reaching emission thresholds for: <ul style="list-style-type: none"> industrial projects of 100 000 tCO₂-e scope 1 emissions per year not counting emissions generated from land clearing 	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
			No	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Theme	Environmental factor and objective	Indicative environmental values and sensitivities relevant to each environmental factor	Proponent's answer to screening questions 1-5				
			Q2	Q3	Q4	Q5	
	NT Government's goal of achieving net zero greenhouse gas emissions by 2050.	<ul style="list-style-type: none"> land use projects of 500 000 tCO_{2-e} scope 1 emissions from single or cumulative land clearing actions 	Uncertain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			Not Applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If you answered No to any screening questions for Atmospheric processes, provide justification here:							
PEOPLE	1) Community and economy <u>Objective:</u> Enhance communities and the economy for the welfare, amenity and benefit of current and future generations of Territorians.	<ul style="list-style-type: none"> communities, towns and suburbs where people live community aspirations for liveable environment and healthy lifestyles, <ul style="list-style-type: none"> affordable access to food, water, electricity, transport and communication networks. good amenity – air quality, noise, aesthetics access to social infrastructure and services including transport and logistics access to natural resources including bush food recreational use of the natural or built environment (e.g. fishing, cycling, sports, picnics) species of social, cultural, livelihood and or economic importance (terrestrial, aquatic and marine biota) participation in jobs, businesses and education existing industries such as agriculture, pastoralism, tourism, fisheries vulnerable sectors of the community 	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			No	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
				Uncertain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			Not Applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If you answered No to any screening questions for Community and economy, provide justification here:							
	2) Culture and heritage <u>Objective:</u> Protect culture and heritage.	<ul style="list-style-type: none"> Aboriginal cultural values sacred sites the Territory's natural and built heritage declared heritage places and objects protected under the Heritage Act 2011 (NT) such as: <ul style="list-style-type: none"> any Aboriginal or Macassan archaeological place or object (coastal mounds and middens, rock art, stone arrangements, quarries, artefacts, graves, burial sites and ancestral remains) 	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			No	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			Uncertain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			Not Applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Theme	Environmental factor and objective	Indicative environmental values and sensitivities relevant to each environmental factor	Proponent's answer to screening questions 1-5				
			Q2	Q3	Q4	Q5	
		<ul style="list-style-type: none"> ○ underwater cultural heritage (isolated objects, shipwrecks, plane wrecks, underwater cables and evidence of Aboriginal occupation prior to sea level rise) ○ built heritage (colonial buildings and other historic buildings) ○ defence structures (defensive positions and airfields) ○ natural features (meteorite impact sites, palaeontological sites, springs, trees) ○ world heritage ● underwater cultural heritage protected under the Underwater Cultural Heritage Act 2018 (Cth) ● Aboriginal rights and interests, including right of access 					
	If you answered No to any screening questions for Culture and heritage, provide justification here:						
	3) Human health	<ul style="list-style-type: none"> ● drinking water ● air quality ● bush tucker ● radiological limits ● biting insects 	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<u>Objective:</u> Protect the health of the Northern Territory population.		No	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
		Uncertain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Not Applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If you answered No to any screening questions for Human health, provide justification here:							

Where the screening has been undertaken by a suitably qualified and experienced person and all responses in the checklist are 'no', a referral to the NT EPA is not likely required. The NT EPA and DEPWS does not require the completed checklist to be submitted in this case. However, the checklist and its justifications for no likely impact should be retained by the proponent to demonstrate the screening has been conducted. The proponent should also retain the scope of the proposal that was considered in conducting the screening, the name, qualifications and contact details of the suitably qualified and experienced person(s) who conducted the screening using the table below.

The NT EPA retains to power to "call-in" a proposal under section 53 of the EP Act.

Recommended record keeping: Where a proponent intends to retain this checklist to demonstrate it has given consideration to whether a referral is required, it is recommended that the following details are recorded.

Details	
Proponent name	
Propose action name	
Description of proposed action	

Pre-referral screening has been conducted by: names, qualifications and date of works by suitably qualified and experienced persons⁷ engaged by the proponent.

Environmental factor	Name	Qualification / Experience	Signature	Date
LAND, WATER, AIR, SEA	IAN HOULINGSWORTH	PHD. LANDSCAPE ECOLOGY	<i>[Signature]</i>	27/4/2026

Proponent's declaration that the pre-referral screening has been conducted.

Screening declaration by proponent:

I,, (full name) declare that I am authorised to verify the pre-referral screening of this proposed action/strategic proposal on behalf of.....name of legal entity organisation....., and further declare that:

- the attached environmental impact assessment documents (including attachments) are true; and
- the attached environmental impact assessment documents do not provide false or misleading information and I know it is an offence to provide false and misleading information, noting the penalties under section 260 of the EP Act, and section 119 of the Criminal Code Act 1983.

⁷ Section 4 of the EP Act provides the meaning of a qualified person. Experience may be provided in years and/or a description of relevant experience.