



Pormpuraaw Residential Subdivision
Cooktown Orchid (*Dendrobium bigibbum*)
Translocation Management Plan

Doc # R2026-559

Revision History: Doc # R2026-559**Pormpuraaw Residential Subdivision – Translocation Management Plan**

Version	Purpose	Issued by	Date	Reviewer	Date
0.1	Draft Report	Ryan Hughes	20/08/2026	Dr Mark Runkovski	21/08/2026
1.0	Final	Ryan Hughes	21-08-2026	Brett Langtree	27/08/2026

The views and opinions expressed in this publication are those of the author(s) and do not necessarily reflect those of 4 Elements Consulting or 4D Baru. This publication is provided for the purpose of disseminating information relating to technical matters. While reasonable effort has been made to ensure the contents of this publication are factually correct, 4 Elements and 4D Baru Consulting accepts no liability for any loss and/or damage resulting from the reliance upon any information, advice or recommendations contained in or arising from this publication.

© The Copyright Act 1968 permits fair dealing for study, research, information or educational purposes subject to inclusion of a sufficient acknowledgement of the source.

4 Elements Consulting
169-171 Aumuller Street
Bungalow, QLD 4870

www.4elementsconsulting.com.au

Contents

1.0	Introduction	1
1.1	Background.....	1
1.2	Project Site Description	1
1.3	Project Description.....	2
1.4	Translocation Definition.....	2
1.5	Purpose and Objectives.....	2
1.6	Duration of the Translocation Management Plan.....	3
2.0	Cooktown Orchid Ecology	6
2.1	Habitat (Semi-deciduous Vine Thicket – RE 3.2.2).....	6
2.2	Ecology	7
2.2.1	Project Site Population Assessment	7
2.2.2	Pormpuraaw Local Population	7
2.3	Weeds	11
3.0	Translocation Procedure	13
3.1	Expertise Required	13
3.2	Recipient Site Selection	13
3.2.1	Northern Recipient Site	14
3.2.2	Southern Recipient Site	14
3.3	Orchid Salvage Procedure	17
3.4	Orchid Mounting Procedure	17
3.5	Translocation Monitoring Procedure.....	18
3.6	Efficacy of Proposed Measures	19
3.7	Contingency Measures	19
4.0	Management of Impact Site Residual Impacts	21
4.1	Avoidance of Retained Vegetation	21
4.2	Weed Management.....	21
4.2.1	Containing the Spread of Weed Introductions.....	22
4.2.2	Use of Herbicides	22
4.2.3	Monitoring Procedure (Weeds)	23
4.3	Minimising Edge Effects	23
4.4	General Corrective Actions.....	24
4.5	Erosion and Sediment Control	24
4.6	Construction Environment Management Plan (EMP)	25
4.7	Performance indicators	25

5.0	Monitoring.....	26
5.1	Review and Plan Update	26
5.2	Recipient Site Monitoring.....	26
5.3	Corrective Actions	27
6.0	Roles and Responsibilities.....	28
6.1	Asset Owner	28
6.2	Principal Contractor	28
6.3	Sub-contractors, Sub-consultants and Personnel	28
7.0	Training.....	30
7.1	Induction.....	30
7.2	Toolbox Meetings.....	30
8.0	References	31

Appendices

Appendix A Pormpuraaw Urban Expansion Areas Flora List

Appendix B Cooktown Orchid Raw Data

1.0 Introduction

1.1 Background

Four Elements Consulting (4 Elements) has been engaged by Langtree Consulting Pty Ltd, on behalf of the Queensland Government Department of Women, Aboriginal and Torres Strait Islander Partnerships and Multiculturalism (DWATSIPM), to prepare a Translocation Management Plan (TMP – this report) for flora listed under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act), present within the disturbance footprint of an urban expansion areas in the township of Pormpuraaw, Cape York Peninsula.

The establishment of the urban expansion areas requires the direct removal of vegetation supporting the Cooktown orchid (*Dendrobium bigibbum*) which is listed as a Vulnerable species under the EPBC Act. Translocation has been identified as a primary mode of impact mitigation to achieve the required outcome of no net loss of *D. bigibbum* within the project site. This TMP will provide a considered methodology for translocation specific to the ecology of *D. bigibbum*, providing detail on:

- ▶ Description of Cooktown orchid ecological requirements
- ▶ Description of impact site habitat
- ▶ Selection of recipient sites
- ▶ Outline of the salvage procedure
- ▶ Monitoring and recipient site maintenance protocols.

1.2 Project Site Description

The project site is within the Lands of the Thaayore, Wik, Bakanh, and Yir Yoront Peoples (Pormpuraaw Aboriginal Shire Council LGA). The location of the project site is two (2) sections of land at both the northern and southern end of the Pormpuraaw township (see **Figure 1** and **Figure 2**).

The elevational range within the project site is between ~5 m and ~10 m above sea level (ASL). A single landform consisting of a deflated coastal sand dune supports coastal vine thickets with minor development of *Acacia crassicaarpa* open forest in exposed areas. *Melaleuca dealbata* open forested wetlands occur in low lying depositional areas >50 m to the west of the project site subject to inundation during heavy rain. Approximately 150 m to the east, outside of the project site, estuarine wetlands supporting mangrove forest and saltmarsh occur and are subject to daily tidal inundation. No defined watercourses are present within the project site.

Much of the vegetation within the project site is mapped as regulated vegetation containing Category B remnant vegetation under the *Vegetation Management Act 1999* (VM Act).

1.3 Project Description

The proposal seeks to establish a residential subdivision at project site comprising areas both north and south of the Pormpuraaw township. The northern expansion (see **Figure 1** below) proposes to establish:

- ▶ 15 residential lots
- ▶ Road and road reserve to service residential lots
- ▶ Essential management clearing buffer of 22.5 m (1.5 x canopy height of adjacent vegetation)

The southern expansion (see **Figure 2** below) proposes to establish:

- ▶ 20 residential lots
- ▶ Road and road reserve to service residential lots
- ▶ Essential management clearing buffer of 22.5 m (1.5 x canopy height of adjacent vegetation)

1.4 Translocation Definition

For the purpose of this TMP, translocation is defined as the following:

The deliberate transfer of wild plants, or their reproductive material, from a remnant wild population to another suitable external location, referred to as the recipient site. After introduction to the recipient site, the material is periodically monitored and maintained, where required, until it can be considered self-sustaining. A self-sustaining translocated population can survive and reproduce in the wild without further assistance or intervention from the translocation team (Commander et al. 2018).

For a population to be considered self-sustaining it must meet the following requirements:

- ▶ A sufficient number of propagules from a wide selection of parent material are established within recipient sites to sustain a viable population and protect against genetic, demographic and environmental stochasticity.
- ▶ There is good survival and establishment of the translocated individuals at recipient sites.
- ▶ Management and control of threats such as disease, fire, weeds and vertebrate pests is effective.
- ▶ Flowering, fruiting and natural recruitment are at rates similar to those observed in remnant populations.

1.5 Purpose and Objectives

This TMP describes the strategies and actions that apply to mitigating the impacts of vegetation clearing on the *D. bigibbum* population present within the project site. The purpose of this TMP is to provide guidance on appropriate measures to translocate *D. bigibbum* and achieve the following objectives:

- ▶ Develop a management protocol with the primary aim of achieving no net loss and no significant impact to the *D. bigibbum* population (as defined under the EPBC Act and in accordance with Attachment A of

the Further Request for Information (EPBC2026/10527) issued by Rod Dann at the National Environmental Protection Agency (EPA)). This protocol will utilise significant learnings and recommendations taken from Commander et al., (2018) and Australian Government (2024).

- ▶ Provide detailed mapping on the distribution and abundance of *D. bigibbum* habitat within the project alignment and wider local population.
- ▶ Define habitat requirements of *D. bigibbum* to inform selection of recipient sites.
- ▶ Provide a detailed methodology on salvage and recipient site establishment (using learnings from Case Study 6.2 of Commander et al. (2018)).
- ▶ Identify any potential weed incursion risks and provide recommendations for management.
- ▶ Develop and implement a monitoring plan for translocated populations and their habitats throughout the project site.

1.6 Duration of the Translocation Management Plan

This TMP has a currency for the life of the project construction and includes a two (2) year establishment period post translocation. Updates, amendments, and corrections to the plan will be made annually to reflect changes to recipient site locations, techniques and treatments applied, and other related matters as relevant at the time of review. It is the responsibility of the principal contractor and the environmental officer to instigate the review process and contribute to the review. Changes, modifications, and amendments to this plan may be required on an annual basis, or earlier if necessary. These changes must reflect improved management actions and rehabilitation techniques.



Figure 1 Proposed northern expansion area alignment including asset protection buffer



Figure 2 Proposed southern expansion area alignment including asset protection buffer

2.0 Cooktown Orchid Ecology

2.1 Habitat (Semi-deciduous Vine Thicket – RE 3.2.2)

Within the Pormpuraaw Shire, the Cooktown orchid (*D. bigibbum*) is abundant in the lower structural layers (1-3 m in height) of semi-deciduous vine thicket vegetation. The direct clearing alignments for the project site are both located on well-drained low sand ridges that support extensive areas of semi-deciduous vine thicket.

Within this vegetation community, the dominant canopy species are *Ganophyllum falcatum*, *Mimusops elengi*, *Gyrocarpus americanus*, *Ficus virens* and *Litsea glutinosa* as closed semi-deciduous vine thicket to a height of 12 m on old, deflated sand dunes (see **Plate 1** below). The understory was comprised of *Sersalisia sericea*, *Diospyros geminata*, *Pleurostyliia opposita*, *Miliusa traceyi* and *Phyllanthus novae-hollandiae* (2-4 m). Where the canopy cover was reduced, a ground layer of *Panicum* spp., *Dicliptera ciliata*, and *Plumbago zeylanica* was present. Hollow-bearing trees were rarely encountered throughout the canopy layer. When present, they were generally dead standing trees. Coarse woody debris was frequently encountered in the ground layer. Vines were abundant and consisted predominantly of thin stemmed species *Pisonia aculeata*, *Abrus precatorius*, *Trophis scandens* and *Parsonsia velutina*.



Plate 1 Semi-deciduous vine thicket (within the direct clearing alignment)

2.2 Ecology

The Cooktown orchid is a member of the Orchidaceae family. It has a broad distribution occurring along the west coast of the Cape York Peninsular (DCCEEW, 2023). It is an epiphytic or lithophytic species that occurs within areas of the landscape sheltered from fire where a humid microclimate supports epiphytic growth. Broad habitat types typically include coastal vine scrub, stream bank vegetation, monsoon thickets and gullies dissecting open sclerophyll forests (DCCEEW, 2023). Within suitable vegetation communities, the Cooktown orchid occurs within areas of moderate light intensity. This species is known to rapidly colonise disturbed sites (Jones 2010).

2.2.1 Project Site Population Assessment

The most recent field survey undertaken for the project site (December 2025) recorded an abundant population of Cooktown orchids including within the 100m buffer of the clearing alignment. A total of 2,913 individuals were recorded and mapped for the assessment.

Within the direct clearing alignment, a total of 474 individuals were recorded in the northern expansion area, and 557 individuals were recorded in the southern expansion area within the combined direct clearing alignment (that is, the Lots and the 22.5 m asset protection buffer) (refer **Figure 3** and **Figure 4**). Despite searches in adjacent habitat types, all Cooktown orchids were restricted to the semi-deciduous vine thicket community described in **Section 2.1**. A total of 1,031 individual Cooktown orchids are subject to translocation through this TMP, from the project site.

The Cooktown orchids present were most frequently recorded between 1-3 m above the ground on understory trees in areas in moderately light exposed situations see **Plate 2** and **Plate 3** below. Plants were absent from deeply shaded situations where continuous canopy occurs. Very few individuals were also recorded in areas of high light exposure. This finding aligns with Australian Government (2008) whereby plants are observed to generally favour moderate light intensity within suitable habitat types. Data collected for the project's original Ecological Assessment (4 Elements, 2024) determined that Cooktown orchids were recorded growing epiphytically on a total 27 different tree species. The most common host tree was the wild prune (*Sersalisia sericea*) which hosted a total of ~50% of the individual orchids recorded in the project site. The location data, number of orchids, and host tree data are in **Appendix A** based on data from the original ecological assessment (4 Elements 2024). Recent field survey data of the location of all orchids within the northern and southern subdivision alignments are presented in **Appendix B**.

2.2.2 Pormpuraaw Local Population

Targeted assessment of the local Cooktown orchid population undertaken in December 2025 mapped the extent of the population and provided an estimate of abundance. Absolute counts of Cooktown orchids within the proposed clearing alignment and 100 m buffer determined an estimate of 148 individuals per hectare. Estimates

of the wider population using 500m² transects determined an estimate of 330 individuals per hectare across 227 ha of suitable habitat (RE 3.2.2) (see **Figure 6**).



Plate 2 Flowering *Dendrobium bigibbum* located in the southern expansion area



Plate 3 Mature flowering epiphytic *D. bigibbum* on the low branches of *Terminalia muelleri*

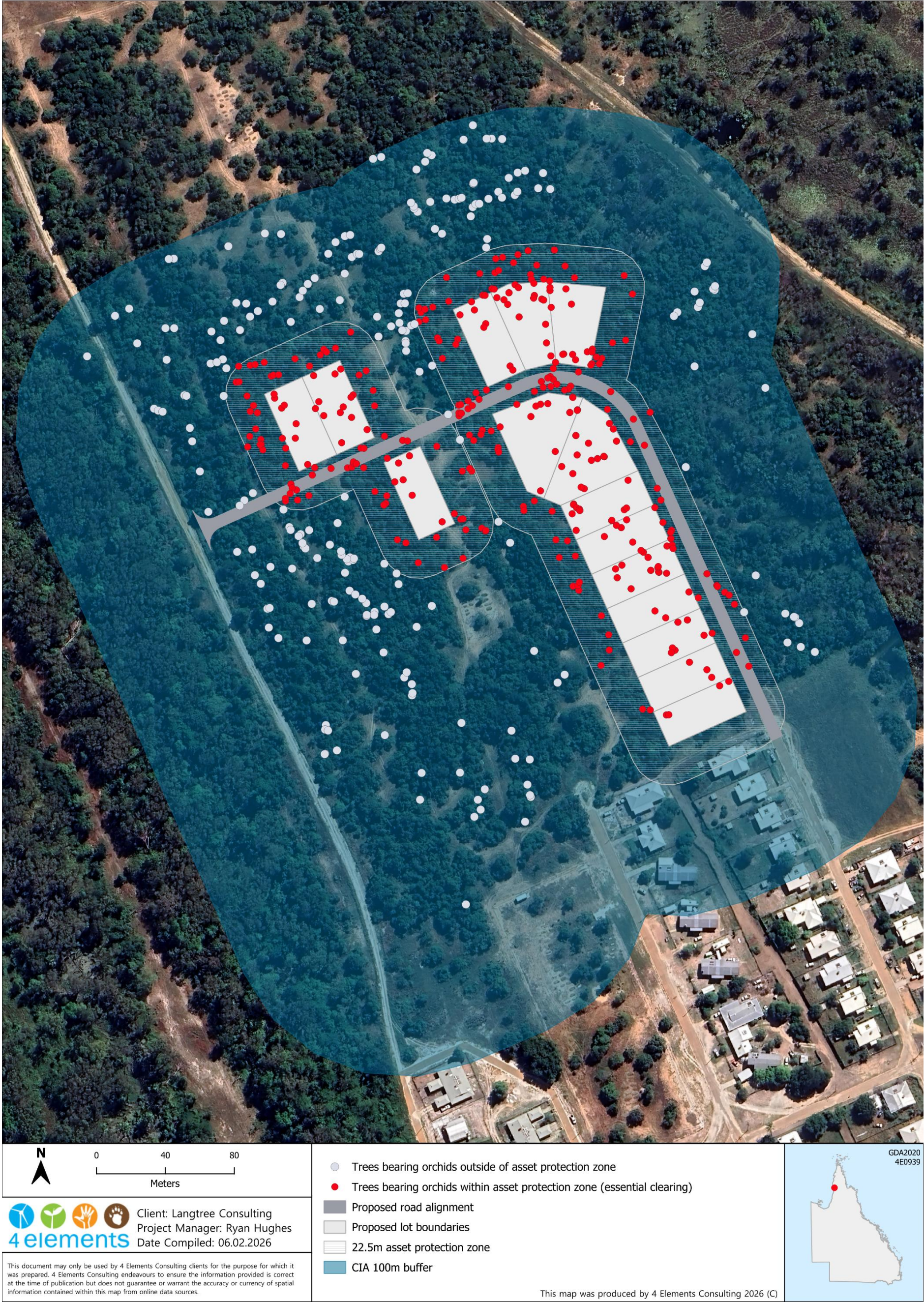


Figure 3 Northern project alignment - locations of *D. bigibbum*

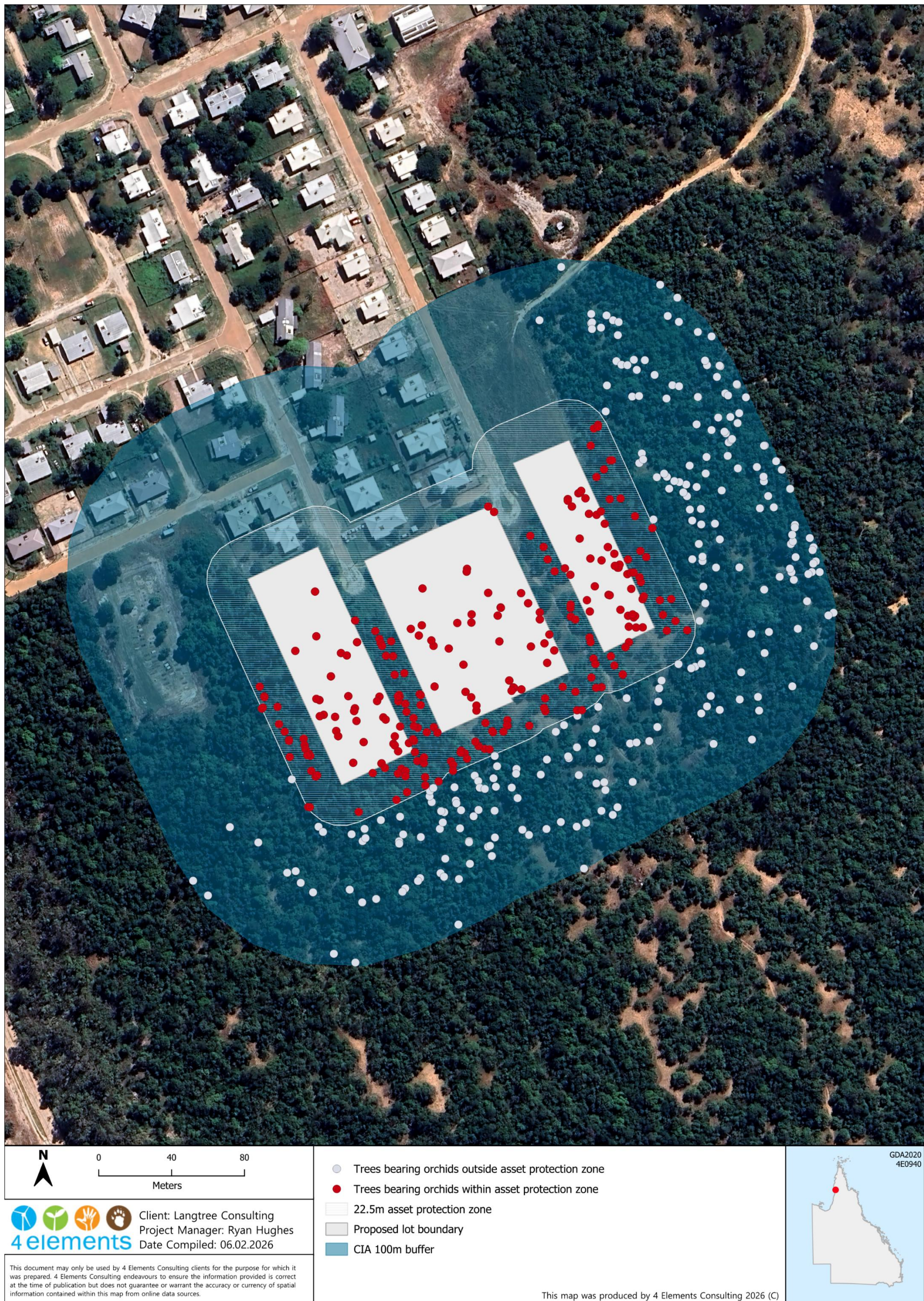


Figure 4 Southern project alignment – locations of *D. bigibbum*

2.3 Weeds

For the purpose of this report, weeds are defined as all species categorised as invasive under the Queensland *Biosecurity Act 2014* and by the Queensland Herbarium (Brown and Bostock, 2019). A list of all exotic species recorded within the project site is included in **Table 1**.

- ▶ No WoNS were recorded within the project site.
- ▶ No prohibited invasive species listed under the *Biosecurity Act 2014* were recorded within the project site.
- ▶ Sicklepod (*Seena occidentalis*), which is a Category 3 restricted invasive species under the *Biosecurity Act 2014* was recorded at the project site.
- ▶ No Cook Shire Council (CSC) priority listed weeds were recorded within the project site (CSC is used as a surrogate for the absence of an implemented priority weed list for Pormpuraaw Aboriginal Shire Council).

A notable characteristic of the project site is the general lack of weeds within remnant vegetation greater than 50 m from human disturbance. Weeds were mostly restricted to roadside vegetation and adjacent to residential dwellings. The most common weeds were hyptis (*Mesosphaerum suaveolens*), *Sida acuta*, neem tree (*Azadarachta indica*), and tridax daisy (*Tridax procumbens*). Outside of disturbed areas the remnant vegetation was largely free of weeds with weed cover visually observed to be < 1%.

The most significant weeds recorded during the field survey was neem tree (*Azadarachta indica*) and the restricted invasive plant, Sicklepod (*Senna occidentalis*). Neem tree was rarely present within the project site, although it was recorded within remnant vine thicket vegetation more commonly than on the edges of human disturbance. This species was recorded in both the northern and southern urban expansion areas are listed in the below **Table 1**.

Table 1 Weed species recorded within the project site

Scientific name	Common name	WONS listing	Biosecurity Act 2014 status
<i>Alternanthera ficoidea</i>	Joyweed	No	Not Listed
<i>Azadirachta indica</i>	Neem	No	Not listed
<i>Ipomoea triloba</i>	Ipomoea	No	Not Listed
<i>Macroptilium atropurpureum</i>	Siratro	No	Not listed
<i>Mesosphaerum suaveolens</i>	Hyptis	No	Not Listed
<i>Physalis angulata</i>	Physalis	No	Not Listed
<i>Rottboellia cochinchinensis</i>	Itch Grass	No	Not Listed

<i>Senna occidentalis</i>	Sicklepod	No	Category 3
<i>Tridax procumbens</i>	Tridax Daisy	No	Not listed

3.0 Translocation Procedure

Translocation is a key requirement for achieving no net loss of *D. bigibbum* within the local population. Given that this species grows as an epiphyte, removal of whole plants is considered the most viable method of translocation for this species. Project scheduling currently places opportunities for translocation during the late mid to late dry season, before the species' fruiting and flowering period. Any fruiting material present at the time of translocation will be retained on the plant for passive wind dispersal post translocation. No attempts to propagate seed within the project site or off-site will be attempted.

This TMP will address the following mitigative measures for plants within the combined direct clearing alignment:

- ▶ Establishment of TPZs for host trees bearing *D. bigibbum* adjacent to retained vegetation.
- ▶ Describe and locate recipient sites for non-retained *D. bigibbum*.
- ▶ Translocation of *D. bigibbum* directly impacted by vegetation clearing within the alignment to the selected recipient sites.
- ▶ Management of weed incursions and edge effects imposed by clearing adjacent to retained vegetation within 100m of the direct clearing alignment.
- ▶ Management and monitoring of the translocated plants at the recipient sites to ensure no net loss.

3.1 Expertise Required

For a reasonable likelihood of success, the process of translocation must only be undertaken by experienced personnel with relevant skills in threatened plant propagation including qualifications in botany and/or horticulture, and preferably having worked on orchid translocations before, or at least having read pertinent learnings from Commander et al. (2018).

3.2 Recipient Site Selection

A total of 1,031 *D. bigibbum* within the combined direct clearing alignment are considered for translocation in this TMP. To maintain no net loss of the local population it is recommended that the method for translocation will be whole plant translocation of all directly impacted plants.

Two (2) recipient sites have been selected for the translocation works (see **Figure 5**). Both locations have been determined to be suitable recipient sites. They share the same habitat attributes (RE 3.2.2) as the project site where the orchids are currently growing. Siting recipient trees within the recipient sites for individual translocated orchids will consider logistics for efficient monitoring, suitable microhabitat considerations such as aspect, host tree species, natural orchid density and light intensity, based on learnings of Commander et al. (2018) and the

comprehensive populations assessments conducted during this project previously (e.g. 4 Elements, 2024). Consideration of the right recipient locations within the recipient sites is critical for achieving a successful translocation. The two (2) recipient sites (**Figure 5**) have been secured and approved by Pormpuraaw Aboriginal Shire Council and will remain under protection in perpetuity through finalisation of a written agreement from the Council. Below we describe the two (2) recipient sites to provide certainty in recipient site suitability.

3.2.1 Northern Recipient Site

The northern recipient site is located 1 km north of the subdivision alignment along the same sand ridge of the impact site. The population estimate for RE 3.2.2 where the recipient site is located is 330 plants per hectare. The site is 3.88 ha in area and all vegetation within the recipient site is semi-deciduous vine thicket (RE 3.2.2) matching the impact site. Pormpuraaw Aboriginal Shire Council Environment Officer Robbie Morris undertook an investigation of the site on 26 June 2026 and identified suitable habitat with high abundance of Cooktown orchids. All 474 orchids to be translocated from the northern subdivision alignment will be placed in the northern recipient site. The density of additional orchids to this site will be one (1) translocated plant per 82 m². Across the 3.88 ha recipient site, after translocation of all northern subdivision orchids, the density will be ~450 plants per hectare.



Plate 4. Cooktown orchids within semi-deciduous vine thicket (northern recipient site)

3.2.2 Southern Recipient Site

The southern recipient site is located 1.3 km south of the subdivision alignment along the same sand ridge of the impact site. The population estimate for RE 3.2.2 where the recipient site is located is 330 plants per hectare. The site is 3.03 ha in area and all vegetation within the recipient site is semi-deciduous vine thicket (RE 3.2.2) matching the impact site. Pormpuraaw Aboriginal Shire Council Environment Officer Robbie Morris undertook an investigation of the site on 26 June 2026 and identified suitable habitat with high abundance of Cooktown

orchids, similarly to the northern recipient site. All 557 orchids to be translocated from the southern subdivision alignment will be placed in the southern recipient site. The density of additional orchids to this site will be one (1) translocated plant per 54 m². Across the 3.03 ha recipient site, after translocation of all northern subdivision orchids, the density will be ~514 plants per hectare.



Plate 5. Cooktown orchids within semi-deciduous vine thicket (southern recipient site)



Figure 5 Approved recipient site locations

3.3 Orchid Salvage Procedure

It is recommended that translocation takes place during the winter dormancy period (late May - November) to limit disturbance impacts on translocated individuals during their growing season. Four Elements recorded GPS locations for each host tree during field surveys, and these are provided in 4 Elements (2024). All salvaged orchids are to be removed from the host tree with minimal disturbance to any aerial root material. It is highly likely that any damaged roots will die in the following dry season, potentially reducing survivorship. Damaged roots will be cut with sterilised and sharpened secateurs to remove bruised tissue. If the integrity of the root structure is maintained, a greater probability of success can be expected once dry season dormancy breaks with the commencement of summer rainfall.

Most Cooktown orchids within the direct clearing alignment are located at, or below 3 m in height making access for removal relatively easy. Removal of individuals from existing host trees will be achieved with the use of a chainsaw or hand saw to remove limbs containing Cooktown orchids. Cuts of branches are to be made approx. 20cm above and below the orchid attachment point to avoid root zone impacts. The removed plant will remain attached to the cut limb for translocation into the recipient site. Each plant will be temporarily stored in a shady and secure location prior to transport via vehicle to the selected recipient site (same day as salvage). Large branches and timber mounts may require splitting of the timber mount so that a combined weight of < 500g be achieved to reduce the chance of translocation failure.

3.4 Orchid Mounting Procedure

The salvaged plants will individually be attached to a selected recipient host tree. Host trees will be located where canopy cover is approximately 50 % cover. No plants are to be placed within dense stands of trees where cover exceeds 50% as shading will not permit growth of the plant. No plants are to be located where canopy cover is < 25% as the sun exposure will be too high for establishment of the plants. Suitable host tree species will be selected based on the species provided in **Appendix A**. The most common host tree species from the impact site have rough bark for plant root establishment and a semi open canopy which provides suitable light requirements for growth.

At the selection of an appropriate host tree, attachment will be achieved by securely tying individuals with a dark cloth (cotton) horticultural tie. This is intended to be a semi-permanent mode of attachment that will eventually degrade in-situ, by which time the new aerial root growth of the translocated plant will have formed a supportive bond with the recipient tree. This will not damage the expanding cambium layer of the recipient host tree, nor will it crush the sensitive aerial roots of the orchids. Horticultural ties will be attached twice above and twice below the pseudobulbs of the plant so that they are securely fastened to the host tree. This will improve connectivity with the recipient host tree and provide a more secure access to moisture in the proceeding wet season to encourage development of new root growth.

On each recipient host tree, attachment location preference will be given for points that are within moderate light environments (partial shade). All deeply shaded or highly exposed microhabitats are to be avoided. The highest abundance of Cooktown orchids recorded during the field assessment was in areas of moderate light. Well-developed canopy cover and highly exposed locations were associated with low Cooktown orchid abundance.

Once each translocated plant is securely mounted, it will be numbered, GPS-located and photographed, with this data recorded in an Excel spreadsheet. All observations on plant health will also be documented in a baseline Translocation Report at this point for the monitoring of progress over time and to ensure all procedures, abiotic data, and translocation process data is captured in one place. This data shall include:

- ▶ Total number and length of each translocated plant
- ▶ The number of live pseudobulbs
- ▶ T number of leaves (if present)
- ▶ Notes on host tree species, tree condition and the number of orchids translocated.

3.5 Translocation Monitoring Procedure

It is expected that monitoring will be relatively low frequency during the dormancy phase. It is proposed that after translocation, mounted plants be monitored after four (4) weeks. If translocation occurs prior to the wet season (November), no growth is expected during this period. This initial monitoring period will mostly check for successful attachment to the host trees to ensure that contact to the host tree is still adequate for when the wet season commences.

If plants are mounted well after the initial four (4) week monitoring period, a six (6)-monthly monitoring event will be carried out to ensure plants are establishing successfully. If all translocated plants are proceeding well at six (6) months post translocation, then the period between monitoring may be expected to extend to yearly intervals. After 24 months post translocation works, if all individuals are still attached to their selected recipient host tree with no signs of die-off, a final summary of results will be provided for review.

During monitoring rounds, all translocated individuals will be photographed and accounted for an annual summary of translocation results. Monitoring will record:

- ▶ Presence of healthy meristematic growth (Y/N, and notes)
- ▶ Signs of disease or damage (Y/N, and notes)
- ▶ Signs of reproduction (Y/N and notes)
- ▶ New root development (Y/N and notes)

3.6 Efficacy of Proposed Measures

The Australian Plant Translocation Database, managed by the University of Queensland (Silcock et al. 2021) maintains records of two (2) terrestrial orchid trials for *Dendrobium melaleucaphilum* (large-flowered spider orchid) in the mid-north coast of NSW. This effort translocated 63 whole plants mounted onto recipient trees with original bark attached to the orchid (December 2013). After 12 months, a total of 92.7% survival was recorded. No further information was provided. Supplementary nutrients were provided in the form of diluted seasoil solution and further watering at 6 months post translocation was provided.

Another translocation effort moved two (2) whole plants mounted into recipient trees with original bark attached to the orchid (February 2015). After 20 months, 100 % survival was recorded. No further information was provided. Supplementary watering at 6 months post translocation was provided.

Based on a prior translocation project carried out by 4 Elements with *D. fellowсии* on the Atherton Tablelands, this resulted in all 13 individuals translocated surviving to two (2) years of monitoring. Advice was sought from the Queensland Herbarium to determine methodology for removal and placement of these plants into the recipient site. This IMP for *D. biggibum* is modelled on the procedure of this prior project for *D. fellowсии* and uses learnings of previous work by others described above (e.g. Commander et al. 2018, and Silcock et al. 2021). It is expected that as a conservative estimate, 95% of translocated orchids will survive by following the proposed management and monitoring plan above.

3.7 Contingency Measures

The project commits to ensuring no net loss of Cooktown orchids through translocation from the impact area into the recipient sites. Contingency measures are outlined below to provide supplementary propagation techniques to replace plants that do not survive, and to ensure that 100% of the number of Cooktown orchids moved (incl. supplementary plantings), survive and persist within the new population (i.e. not net loss). We assume that of the 1,031 Cooktown orchids requiring translocation we will have a survivorship of 979 individuals (assuming a 5% loss). Therefore, as a proactive measure to prevent no net loss to the population, plant division is proposed to establish an additional 52 Cooktown orchids within the recipient sites.

Plant division will primarily involve division of small aerial offsets (keikis) that are clones produced on the end of old spent canes. Clonal offsets will be removed from the salvaged population at commencement of translocation to establish onto other recipient host trees in the recipient sites to account for loss or death of any translocated whole plants.

Dendrobium spp. readily form aerial offsets, and this was commonly observed within the field survey in May 2024 and December 2025 for *D. biggibum*. **Plate 6** below displays a single spent cane with five (5) rooted offsets. Each of these clones are suitable for division. The removal of clonal offsets with clean, sharp secateurs and placement into recipient trees will be undertaken following a similar process as that outlined in the above **Section 3.5**. A key difference is that clonal offsets will not be attached to an existing branch or bark as they are typically

not rooted to a host tree in the early stages of development (see **Plate 6**). Therefore, the use of clonal offsets will require that they are directly tied to the recipient host tree with a thin bed (1 cm thick) of horticultural grade sphagnum moss and their roots are tied securely with horticultural ties. Monitoring of these individuals will be undertaken as per the above **Section 3.5**.

After each round of monitoring, should the translocation not result in a survivorship of 100% (all translocated Cooktown orchids alive with positive signs of growth), then a secondary mitigation program will be enacted. This will repeat the use of clonal offsets as described above.



Plate 1 Mature Cooktown orchid (top of image) and aerial offset development below (red circle)

4.0 Management of Impact Site Residual Impacts

4.1 Avoidance of Retained Vegetation

The management of residual impacts will primarily involve the protection of all retained vegetation. Due to the high density of Cooktown orchids present within RE 3.2.2 around the township of Pormpuraaw, avoidance of unnecessary damage to vegetation is critical.

Visual delineation of retained vegetation will be undertaken through erecting high visibility bunting on star pickets along the edge of the approved clearing extent. All laydown areas, construction compounds, and machine access will be limited to placement outside of an established “no go zone”.

Visual delineation will be installed directly below the drip-zone of retained canopy vegetation (as per **Figure 3** and **Figure 4**) and shall not disturb understorey vegetation along the boundary. Tree protection measures will be limited to maintaining works outside of the canopy drip line of retained vegetation. Maintaining all works outside of the drip line will prevent impact to retained tree roots. “No-go zone” signage will be installed along the bunting to ensure the exclusion zone is clearly understood by site personnel. A pre-start inspection shall be carried out by a Pormpuraaw Aboriginal Shire Council Environment Officer to mitigate the impact of clearing and development works on adjacent retained vegetation by checking and educating for adequate avoidance and protection measures in place.

4.2 Weed Management

Weed management resulting from construction related clearing and disturbance is predicted to be the main source of weed incursion for the project, that may indirectly impact *D. bigibbum* populations. Herbicide application is recommended as an effective means to manage new and existing weed incursions. Care must be taken to reduce the overuse of herbicide however, as it can inhibit successful native vegetation management if used inappropriately, or if off-target or over-spraying occurs.

Specifically, the following recommendations are made for this project site:

- ▶ Baseline monitoring of existing weed incursions to occur prior to construction.
- ▶ Spray out herbaceous ground weeds at the edge of retained vegetation. Note that during windy periods, prior to rain forecast or within six (6) hours after rain, herbicide use is not to be used. Similarly, broadly or recklessly using such herbicides in areas where native vegetation dominates or waterways exist, must be avoided. Weed control contractors and workers undertaking weed management will be suitably qualified in the areas of weed identification of target species and the appropriate level of control for each weed species.

-
- ▶ Containing existing weed incursion levels across the site is key to reducing weed control efforts during and post construction. Prior to vegetation clearing, an initial herbicide application will be undertaken on the edge of retained vegetation with a follow-up undertaken approx. 3-6 months after this. Key priority invasive tall exotic grasses, *Mesosphaerum suaveolens* (hyptis), *Macroptilium atropurpureum* (siratro) and *Azadirachta indica* (neem tree) will be targeted for control in each round with the aim of eradication from the retained vegetation adjacent to vegetation clearance and within the recipient sites. Care must be given not to impact the existing native vegetation in the riparian corridor. Any incursions which have spread into retained vegetation from the clearing alignment must also be treated as part of the management program to control residual impacts on retained populations.

4.2.1 Containing the Spread of Weed Introductions

Machinery will not enter the retained vegetation which is that of the 100 m buffer from the edge of the direct clearance area. Movement through remnant vegetation will be treated as non-compliance.

Machinery is to be kept free of weed seed to prevent spread beyond already infested areas. Inspection and cleaning of machinery is required prior to accessing the site along with a weed hygiene declaration certificate. Any equipment found to be in an unsatisfactory state, or carrying contaminants will not be allowed access until a declaration can be provided.

4.2.2 Use of Herbicides

Herbicide is one of the most effective methods of controlling weeds on the project site. However, along with the benefits of effectiveness at controlling weeds comes potential risks of inappropriate usage and off target application. Recommendations for herbicide use are outlined below:

- Wand targeted spot spray from a 15L backpack is the most appropriate application method (minimising off-target herbicide application).
- The use of herbicide control is to be on active green growth only, for example, new green leaf growth. Spraying of browned-off plants or dried plant material does not achieve the desired result and is an example of inappropriate usage.
- Off-target herbicide application is an unacceptable practice. It inhibits native vegetation regeneration. The application of herbicides will be targeted, be specific to the weed, and will be kept to the minimum necessary to adequately control the target weed.

Table 2 Supported methods for the control of herbaceous weeds

Herbicide	Rate	Application method
Metsulfuron-methyl 600 g/kg (e.g. Nufarm Associate)	1.5 g per 10 L water plus wetting agent	Spray thoroughly to wet all foliage, but not to cause run-off. Minimise contact with desirable species.
Glyphosate 360: 360g/L	90-100 mL per 10 L water plus wetting agent	Spray thoroughly to wet all foliage, but not to cause run-off. Minimise contact with desirable species.

4.2.3 Monitoring Procedure (Weeds)

At the initial and follow-up treatments, notes will be recorded on weed incursion to inform the need for further weed treatment. Follow up treatment must be carried out within 3-6 months of the initial herbicide treatment. A final monitoring event will be undertaken prior to sign off on the project to determine if control of weeds has occurred. It is the responsibility of the asset owner (Pormpuraaw Aboriginal Shire Council) to ensure progressive records and observations of weed management are kept on file for compliance.

4.3 Minimising Edge Effects

Edge effects are an ecological phenomenon that occur when once-contiguous natural ecosystems are interrupted by physical alteration, for example, clearing and construction. Common edge effects in tropical environments occupied by vine thicket communities include:

- Increased weed spread due to heightened disturbance conditions that favour ruderal plant species (management discussed above).
- Increased wind sheering and eddying through the creation of a more open canopy.
- Changed humidity and moisture levels in both air and soil due to a more open canopy or environment.
- Increased light levels and light penetration into remaining vegetation.
- Changed plant community composition as edge-tolerant species predominate and out-compete more sensitive species over time.
- Localised extinctions of edge-sensitive flora and fauna (e.g. disturbance-sensitive species).
- Interruption to important functional processes that species require to survive such as asexual reproduction through layering, secondary succession through sexual reproduction, seed dispersal, pollination and nutrient cycling through the soil.

-
- Interruption to genetic mixing as populations of plants and animals become separated by a perpetuated disturbance regime (e.g. an active road), in extreme cases leading to inbreeding depression and long-term ecosystem decline. This is especially important where multiple types of fragmentation all occur in a similar area creating multiple edges and intermixing edge effects, e.g. a road abutting an agricultural landscape where forest patches are highly isolated by disturbances.

Many of these edge effects can be minimised through careful design and implementation of clearing, construction and long-term maintenance regimes relating to new or amended infrastructure. In this case, the edge of the development will consist of a 22 m asset protection buffer that encompasses the perimeter of the development footprint, partly already in place where the northern expansion area abuts Piithamp Street. For remaining edges that are bound by *D. bigibbum* habitat it is imperative that environmental changes are kept to a minimum to reduce the severity of edge effects. This includes:

- Maintaining as small as possible change to the current cleared area by reducing the clearing footprint to as small an area as is feasible.
- Keeping all set-down areas, temporary works facilities, fencing and batters to areas within existing cleared area or areas that are within the footprint of the proposed works, i.e., not adding additional clearing zones just for the purpose of temporary works or storage.
- Managing weeds effectively as per **Section 4.2**.
- Avoiding the clearance of mature native canopy trees where possible, especially those likely to act as wind barriers and provide canopy shade. For vegetation on the edge of the clearance area, TPZs are to be established to ensure no disturbance to retained vegetation occurs.

4.4 General Corrective Actions

If monitoring or opportunistic observations of any works during the project identify a potential risk resulting from project actions, a contingency response will identify the appropriate corrective actions required to rectify the situation. This will be a tailored response, with corrective actions dependent on the particular risk identified. If required, project works will cease until corrective actions have been implemented and the risk has been addressed.

4.5 Erosion and Sediment Control

A site-specific ESCP will be required to be implemented prior to and during construction to ensure adjacent wetlands and watercourses are not impacted upon. This includes the use of silt fences and sediment traps to

ensure downstream aquatic habitats are not impacted. Care should be taken when conducting earthworks in proximity to drainage lines and overland flow paths.

4.6 Construction Environment Management Plan (EMP)

A site-specific construction EMP will be required to be implemented prior to, and during construction. This will be required to reference and/or incorporate the approved final conditions outlined in any approval relevant to the management of protected plants and protected plant habitat.

4.7 Performance indicators

The performance indicators outlined below are derived from the current condition of the project site and will be important in determining a successful approach to orchid management during all stages of the project:

- No net loss of *D. bigibbum* resulting from direct and indirect impacts of the project after 24 months.
- No new weed incursions established at the clearing boundary between the essential clearing area and 100 m CIA buffer area.
- No damage or loss of trees outside the clearing boundary between the essential clearing area and 100 m CIA buffer area.

5.0 Monitoring

5.1 Review and Plan Update

This Translocation Management Plan (TMP) is required to be regularly reviewed and revised to ensure that this plan remains relevant and up to date. Reviews to this plan will be conducted annually or sooner if there are:

- ▶ Changes to the design of the planned development
- ▶ Changes to the planned works construction plans
- ▶ Changes to Approval Conditions, permits licenses or sub-plans
- ▶ Any amendments required to the TMP.

5.2 Recipient Site Monitoring

Monitoring is a critical component to any translocation project. Successfully translocated plants are those that are self-sustaining, i.e., they produce viable reproductive material without the need for human intervention. Determining the point that this has occurred, whereby translocation efforts have been successful, is achieved through regular monitoring.

Key data and information which must be included and incorporated into the monitoring schedule for this plan and the associated Rehabilitation Plan are summarised in **Table 3**.

Translocation recipient sites must be monitored after (6) months from completion of translocation. If translocated plants are establishing well, monitoring can be undertaken at six (6) monthly intervals until the end of the first dry season after translocation. If plants are establishing well Annual monitoring will be undertaken for the first two (2) years. After this period young plants will be considered stable.

Table 3 Key monitoring data required to inform translocation progress

Parameter	Description
Location of recipient sites	GPS location of each recipient site: datum, elevation, UTM coordinates. Note of GPS accuracy if atypically $> \pm 10$ m.
Site ID	Unique and consecutively running site name (e.g. RS-North, RS-South etc).
Geology/topography	Description of topography and geological features including soil. For example, low sand ridge 5m asl.
Vegetation description of recipient site	Detailed stratified vegetation description of all plant species in all layers.
Number of specimens translocated	The number of individuals translocated

Parameter	Description
Methods of translocation	Method/s used for translocating each species, including additional ameliorative maintenance measures such as additional fastening of plants, nutrient supplements and irrigation.
Growth stage and status of translocated specimen/s	What was translocated: whole plant, divided offset and the general health/condition of specimens.
Date of translocation	The date of each translocation event.
Weather	Prevailing weather conditions at the time of translocation.
Names of person/s undertaking translocation	Names of person/s undertaking translocation.
General Notes on Site disturbance	Weed presence, pest digging, erosion, drought, storm and fire damage.

5.3 Corrective Actions

If monitoring or opportunistic observations identify a potential risk resulting from actions outlined in this TMP, a contingency response will identify the appropriate corrective actions required to rectify the situation. This will be a tailored response, with corrective actions dependent on the particular risk identified. If required, project works will cease until corrective actions have been implemented and the risk has been addressed.

Specific corrective actions for the TMP will be implemented when individual plants do not survive translocation. In this case, further replacement of individuals will be required to ensure that a minimum of 1,031 individuals are successfully translocated. Additional corrective actions may be required when residual impacts prevent translocation success. Residual impacts may result from weed incursion, pest fauna/ livestock damage or erosion and sedimentation. The specific corrective action will be determined during monitoring of the translocated population as outlined in the above **Section 5.2**.

6.0 Roles and Responsibilities

The asset owner, principal contractor, contractors, sub-consultants, and personnel have a responsibility to minimise the area of disturbance during construction and operational maintenance of the project to maintain the area of land requiring rehabilitation at the minimum which is able to be adequately and efficiently managed. Important contacts are provided in **Table 4**.

6.1 Asset Owner

Pormpuraaw Aboriginal Shire Council is the asset owner of the project is responsible for,

- ▶ Updating this Translocation Management Plan as required
- ▶ Ensure implementation of Management Plans is successfully carried out by the Principal Contractor during the construction phase of the project. The Asset Owner will further implement management plans amendments during the operational phase of the project.

6.2 Principal Contractor

The principal contractor of the project is responsible for:

- ▶ Implementing and following the requirements of this Translocation Management Plan.
- ▶ Ensuring the best techniques of management are applied to respective areas.
- ▶ Ensuring skilled and qualified contractors and workers are engaged in all monitoring and management activities related to translocation.
- ▶ Maintaining no go zones for contractors within undisturbed remnant vegetation across the project site.
- ▶ Providing specific training relating for contractors to the unique environmental characteristics of the project site and how they relate to the management of Cooktown Orchids on site,
- ▶ Maintaining records of inductions and training given to contractors, sub-consultants and workers.
- ▶ Investigating and taking corrective actions in relation to damaging threatened flora habitats outside of the approved clearing alignment.

6.3 Sub-contractors, Sub-consultants and Personnel

Contractors, sub-consultants and personnel engaged in work practices related to construction are responsible for:

- ▶ Fulfilling duties as directed by the Principal contractor in relation to Translocation Management Plan.
- ▶ Identifying significant habitats for threatened flora and ensuring work methods are of a standard that avoids or minimises harm to these environments.

- ▶ Undertaking site-specific threatened flora inductions and training before commencing work. All inductions must be signed off by the principal contractor after completion.
- ▶ Complying with the Translocation Management Plan requirements as directed by the principal contractor.
- ▶ Reporting to the principal contractor weed outbreaks or damage or modification of remnant vegetation.
- ▶ Requesting further advice and clarification from the principal contractor in relation to seed collection and species selection, uncertainties, and knowledge gaps before proceeding with the related task.
- ▶ Ensuring the equipment and products used for land rehabilitation is legal, in safe working condition, hygienically clean and is free of weed seed and pathogens.

Table 4 Contact Information

Name	Role	Affiliation	Contact phone number	Contact email address
First points of contact				
Robbie Morris	Environmental Officer	Pompuraaw Aboriginal Shire Council	0438 508 660	Environmentproject@pompuraaw.qld.gov.au
Brett Langtree	Principal Contractor	Langtree Consulting	0400 699 979	brett@langtreeconsulting.com.au
Ryan Hughes	Ecologist	4 Elements Consulting	0435 855 432	ryan@4ec.com.au

7.0 Training

Pormpuraaw Aboriginal Shire Council and its contractors will be responsible for ensuring project personnel have sufficient knowledge and awareness to identify potential environmental issues relating to translocation management, and they are trained to take appropriate corrective action if required.

It is essential all personnel are familiar with the procedures and strategies within this document and can report on issues that may result in degradation to translocation objectives.

7.1 Induction

All staff, including field staff, will complete a comprehensive project Induction prior to commencing work on the project. The induction will include safety, access and a comprehensive review of environmental requirements, which will be documented in an Induction Manual to be issued to all site personnel. All project personnel from supervisory to managerial level will have an additional detailed training session on the use and implementation of this TMP along with the required EMP. It is the responsibility of the principal contractor to ensure records of training are maintained.

7.2 Toolbox Meetings

The principal contractor will ensure supervisors hold at least weekly toolbox talks with staff and crews to discuss issues associated with the scheduled work.

This will include highlighting and discussing relevant translocation management issues as required. The sessions will include discussion of strategies to be implemented and maintenance/construction of appropriate controls as necessary.

8.0 References

4 Elements Consulting 2024. Pormpuraaw Residential Subdivision Ecological Assessment. (2024) Unpublished report for Pormpuraaw Aboriginal Shire Council.

Australian Government (2008) Approved conservation advice for *Dendrobium biggibum*, viewed 21 August 2026, < <https://www.environment.gov.au/biodiversity/threatened/species/pubs/78705-conservation-advice.pdf>>

Australian Government (2024) Environmental management plan guidelines. 21 p.

Commander, L.E., Coates, D., Broadhurst, L., Offord, C.A., Makinson, R.O. and Matthes, M. (2018) Guidelines for the translocation of threatened plants in Australia. Third Edition. Australian Network for Plant Conservation, Canberra.

Jones, D, Hopley, T, & Duffy, S 2010, *Australian Tropical Rainforest Orchids, Australian Tropical Rainforest Orchids*, viewed 14 July 2026,

Neldner, V.J., Wilson, B.A., Dillewaard, H.A., Ryan, T.S., Butler, D.W., McDonald, W.J.F, Richter, D., Addicott, E.P. and Appelman, C.N. (2023) Methodology for survey and mapping of regional ecosystems and vegetation communities in Queensland. Version 7.0. Updated December 2023. Queensland Herbarium, Queensland Department of Environment and Science, Brisbane.

Queensland Government (2020) Flora survey guidelines - protected plants (Nature Conservation Act 1992), viewed 25 June 2026, <https://www.des.qld.gov.au/policies?a=272936:policy_registry/gl-wl-pp-flora-survey.pdf>

Silcock, J., Simmons, L., Monks, L., Dillon, R. and Coates, D (2021) Australian Plant Translocation Database. Australian Network for Plant Conservation, The University of Queensland. Data Collection. <https://doi.org/10.14264/7e458ed>

Appendix A Cooktown Orchid Host Tree Records (May 2024)

Host tree no.	Latitude	Longitude	Host tree species	Cooktown orchid no. per host tree
1	-14.90291404	141.624316	<i>Aidia racemosa</i>	1
2	-14.89448503	141.619852	<i>Aidia racemosa</i>	1
3	-14.89455904	141.618737	<i>Aidia racemosa</i>	1
4	-14.89460698	141.618837	<i>Aidia racemosa</i>	1
5	-14.89458502	141.617819	<i>Aidia racemosa</i>	1
6	-14.90602397	141.622939	<i>Aidia racemosa</i>	1
7	-14.89436701	141.618692	<i>Aidia racemosa</i>	3
8	-14.904634	141.623019	<i>Milium traceyi</i>	1
9	-14.90340304	141.623965	<i>Milium traceyi</i>	1
10	-14.89348196	141.620128	<i>Milium traceyi</i>	1
11	-14.89328499	141.618475	<i>Milium traceyi</i>	1
12	-14.89386996	141.618108	<i>Milium traceyi</i>	1
13	-14.89438101	141.61952	<i>Milium traceyi</i>	1
14	-14.89409502	141.617506	<i>Milium traceyi</i>	1
15	-14.89401497	141.617415	<i>Milium traceyi</i>	1
16	-14.89395403	141.618342	<i>Milium traceyi</i>	1
17	-14.90629898	141.622967	<i>Milium traceyi</i>	1
18	-14.90524798	141.621475	<i>Milium traceyi</i>	2
19	-14.90455203	141.622029	<i>Milium traceyi</i>	2
20	-14.90435103	141.62296	<i>Milium traceyi</i>	2
21	-14.90445396	141.622343	<i>Milium traceyi</i>	2
22	-14.90431499	141.624655	<i>Milium traceyi</i>	2
23	-14.90466602	141.622966	<i>Milium traceyi</i>	2
24	-14.905813	141.62212	<i>Milium traceyi</i>	2
25	-14.90424098	141.622856	<i>Milium traceyi</i>	3
26	-14.89343	141.618072	<i>Bombax ceiba</i>	2
27	-14.90497498	141.624631	<i>Bridelia tomentosa</i>	1
28	-14.89451403	141.61896	<i>Canarium australianum</i>	1
29	-14.89371004	141.617403	<i>Canarium australianum</i>	1
30	-14.90442898	141.622371	<i>Pleurostylia opposita</i>	1
31	-14.90485403	141.622987	<i>Pleurostylia opposita</i>	1
32	-14.89280303	141.619496	<i>Pleurostylia opposita</i>	1
33	-14.89289104	141.619311	<i>Pleurostylia opposita</i>	1
34	-14.90620804	141.622659	<i>Pleurostylia opposita</i>	1
35	-14.89290797	141.61929	<i>Pleurostylia opposita</i>	1
36	-14.89298299	141.619425	<i>Pleurostylia opposita</i>	1
37	-14.89304502	141.619544	<i>Pleurostylia opposita</i>	1
38	-14.89308801	141.619291	<i>Pleurostylia opposita</i>	1
39	-14.89332204	141.618503	<i>Pleurostylia opposita</i>	1
40	-14.89331701	141.61824	<i>Pleurostylia opposita</i>	1
41	-14.89346403	141.618215	<i>Pleurostylia opposita</i>	1
42	-14.89345699	141.618226	<i>Pleurostylia opposita</i>	1
43	-14.90498504	141.623091	<i>Pleurostylia opposita</i>	1
44	-14.89339898	141.6181	<i>Pleurostylia opposita</i>	1
45	-14.89374197	141.618554	<i>Pleurostylia opposita</i>	1
46	-14.90592498	141.622919	<i>Pleurostylia opposita</i>	1
47	-14.89368397	141.618578	<i>Pleurostylia opposita</i>	1
48	-14.89380802	141.618931	<i>Pleurostylia opposita</i>	1
49	-14.89475803	141.619803	<i>Pleurostylia opposita</i>	1

Host tree no.	Latitude	Longitude	Host tree species	Cooktown orchid no. per host tree
50	-14.89368296	141.617559	<i>Pleurostylia opposita</i>	1
51	-14.89376804	141.617601	<i>Pleurostylia opposita</i>	1
52	-14.89381699	141.617575	<i>Pleurostylia opposita</i>	1
53	-14.89388798	141.618564	<i>Pleurostylia opposita</i>	1
54	-14.89394699	141.618923	<i>Pleurostylia opposita</i>	1
55	-14.90477197	141.623079	<i>Pleurostylia opposita</i>	1
56	-14.89430599	141.6188	<i>Pleurostylia opposita</i>	1
57	-14.89395697	141.618599	<i>Pleurostylia opposita</i>	1
58	-14.89431898	141.618656	<i>Pleurostylia opposita</i>	1
59	-14.89463104	141.618528	<i>Pleurostylia opposita</i>	1
60	-14.89451202	141.617791	<i>Pleurostylia opposita</i>	1
61	-14.89475702	141.617753	<i>Pleurostylia opposita</i>	1
62	-14.89462299	141.618519	<i>Pleurostylia opposita</i>	1
63	-14.90579003	141.621848	<i>Pleurostylia opposita</i>	1
64	-14.90533498	141.623113	<i>Pleurostylia opposita</i>	1
65	-14.90489904	141.623378	<i>Pleurostylia opposita</i>	1
66	-14.90601299	141.623523	<i>Pleurostylia opposita</i>	1
67	-14.90464398	141.623473	<i>Pleurostylia opposita</i>	1
68	-14.90531604	141.623774	<i>Pleurostylia opposita</i>	1
69	-14.90288503	141.624296	<i>Pleurostylia opposita</i>	1
70	-14.90558904	141.624156	<i>Pleurostylia opposita</i>	1
71	-14.90300699	141.624038	<i>Pleurostylia opposita</i>	1
72	-14.90547303	141.624359	<i>Pleurostylia opposita</i>	1
73	-14.90307698	141.623995	<i>Pleurostylia opposita</i>	1
74	-14.90534697	141.624762	<i>Pleurostylia opposita</i>	1
75	-14.89346403	141.620156	<i>Pleurostylia opposita</i>	1
76	-14.90512803	141.621416	<i>Pleurostylia opposita</i>	2
77	-14.90526197	141.62184	<i>Pleurostylia opposita</i>	2
78	-14.89329203	141.618502	<i>Pleurostylia opposita</i>	2
79	-14.89325599	141.618534	<i>Pleurostylia opposita</i>	2
80	-14.90449897	141.622522	<i>Pleurostylia opposita</i>	2
81	-14.90607502	141.623296	<i>Pleurostylia opposita</i>	2
82	-14.89426701	141.61745	<i>Pleurostylia opposita</i>	2
83	-14.89396501	141.617454	<i>Pleurostylia opposita</i>	2
84	-14.89364499	141.617556	<i>Pleurostylia opposita</i>	2
85	-14.89381498	141.618482	<i>Pleurostylia opposita</i>	2
86	-14.89382302	141.618529	<i>Pleurostylia opposita</i>	2
87	-14.893877	141.618584	<i>Pleurostylia opposita</i>	2
88	-14.893862	141.618623	<i>Pleurostylia opposita</i>	2
89	-14.89390902	141.618806	<i>Pleurostylia opposita</i>	2
90	-14.90419798	141.622932	<i>Pleurostylia opposita</i>	2
91	-14.89441898	141.618532	<i>Pleurostylia opposita</i>	2
92	-14.90487297	141.623263	<i>Pleurostylia opposita</i>	2
93	-14.905842	141.623022	<i>Pleurostylia opposita</i>	2
94	-14.90582197	141.623499	<i>Pleurostylia opposita</i>	2
95	-14.90463702	141.623347	<i>Pleurostylia opposita</i>	2
96	-14.90538997	141.623272	<i>Pleurostylia opposita</i>	2
97	-14.90465001	141.623392	<i>Pleurostylia opposita</i>	2
98	-14.905353	141.623281	<i>Pleurostylia opposita</i>	2
99	-14.90484296	141.623368	<i>Pleurostylia opposita</i>	2
100	-14.90528	141.624106	<i>Pleurostylia opposita</i>	2

Host tree no.	Latitude	Longitude	Host tree species	Cooktown orchid no. per host tree
101	-14.90459704	141.62342	<i>Pleurostylia opposita</i>	2
102	-14.90337303	141.624538	<i>Pleurostylia opposita</i>	2
103	-14.90320598	141.62447	<i>Pleurostylia opposita</i>	2
104	-14.89292499	141.619479	<i>Pleurostylia opposita</i>	2
105	-14.90515301	141.62154	<i>Pleurostylia opposita</i>	3
106	-14.90515301	141.62154	<i>Pleurostylia opposita</i>	3
107	-14.90414299	141.622916	<i>Pleurostylia opposita</i>	3
108	-14.90540204	141.62398	<i>Pleurostylia opposita</i>	3
109	-14.90324202	141.624466	<i>Pleurostylia opposita</i>	3
110	-14.90532199	141.624107	<i>Pleurostylia opposita</i>	3
111	-14.89392302	141.617795	<i>Pleurostylia opposita</i>	3
112	-14.894869	141.619297	<i>Pleurostylia opposita</i>	3
113	-14.89407004	141.618498	<i>Pleurostylia opposita</i>	3
114	-14.89436198	141.618573	<i>Pleurostylia opposita</i>	3
115	-14.90479896	141.623109	<i>Pleurostylia opposita</i>	3
116	-14.90582901	141.62337	<i>Pleurostylia opposita</i>	3
117	-14.90571602	141.621425	<i>Pleurostylia opposita</i>	3
118	-14.90487498	141.623598	<i>Pleurostylia opposita</i>	4
119	-14.90583597	141.623383	<i>Pleurostylia opposita</i>	4
120	-14.90528704	141.621553	<i>Pleurostylia opposita</i>	5
121	-14.90538997	141.621423	<i>Pleurostylia opposita</i>	1
122	-14.90519199	141.621303	<i>Pleurostylia opposita</i>	2
123	-14.90568903	141.621568	<i>Pleurostylia opposita</i>	2
124	-14.90465504	141.622871	<i>Eugenia reinwardtiana</i>	1
125	-14.90447198	141.623215	<i>Eugenia reinwardtiana</i>	1
126	-14.90554101	141.622617	<i>Eugenia reinwardtiana</i>	1
127	-14.89350602	141.618719	<i>Eugenia reinwardtiana</i>	1
128	-14.90600402	141.623426	<i>Eugenia reinwardtiana</i>	1
129	-14.89522699	141.617693	<i>Eugenia reinwardtiana</i>	1
130	-14.90531503	141.62328	<i>Eugenia reinwardtiana</i>	1
131	-14.89428696	141.618638	<i>Eugenia reinwardtiana</i>	1
132	-14.90610402	141.622932	<i>Eugenia reinwardtiana</i>	1
133	-14.90493801	141.623637	<i>Eugenia reinwardtiana</i>	1
134	-14.90662202	141.62187	<i>Eugenia reinwardtiana</i>	1
135	-14.90535996	141.621472	<i>Eugenia reinwardtiana</i>	1
136	-14.905353	141.621988	<i>Eugenia reinwardtiana</i>	1
137	-14.90519601	141.622108	<i>Eugenia reinwardtiana</i>	1
138	-14.90524303	141.621555	<i>Eugenia reinwardtiana</i>	2
139	-14.894437	141.619062	<i>Clerodendrum</i>	4
140	-14.89364197	141.618896	<i>Clerodendrum</i>	1
141	-14.90180301	141.624096	<i>unknown</i>	1
142	-14.904604	141.621483	<i>unknown</i>	1
143	-14.90479804	141.621441	<i>unknown</i>	1
144	-14.90389698	141.621162	<i>unknown</i>	2
145	-14.90380302	141.621089	<i>unknown</i>	2
146	-14.90475303	141.621481	<i>unknown</i>	2
147	-14.90475303	141.621481	<i>unknown</i>	2
148	-14.90511504	141.62133	<i>unknown</i>	2
149	-14.90511504	141.62133	<i>unknown</i>	2
150	-14.90183998	141.624022	<i>unknown</i>	3
151	-14.90477398	141.62339	<i>Diospyros geminata</i>	1

Host tree no.	Latitude	Longitude	Host tree species	Cooktown orchid no. per host tree
152	-14.903282	141.623838	<i>Diospyros geminata</i>	1
153	-14.90313498	141.624087	<i>Diospyros geminata</i>	1
154	-14.90347797	141.62398	<i>Diospyros geminata</i>	1
155	-14.90481799	141.623114	<i>Diospyros geminata</i>	2
156	-14.90471497	141.623089	<i>Diospyros geminata</i>	2
157	-14.904447	141.622509	<i>Diospyros geminata</i>	2
158	-14.90439302	141.624647	<i>Diospyros geminata</i>	2
159	-14.90380403	141.623528	<i>Diospyros geminata</i>	3
160	-14.89367701	141.619012	<i>Diospyros geminata</i>	3
161	-14.90513097	141.621932	<i>Diospyros geminata</i>	1
162	-14.90498303	141.62265	<i>Diospyros geminata</i>	1
163	-14.89420004	141.61914	<i>Diospyros geminata</i>	1
164	-14.89461201	141.619236	<i>Diospyros geminata</i>	1
165	-14.89428797	141.618606	<i>Diospyros geminata</i>	1
166	-14.903612	141.624009	<i>Diospyros geminata</i>	1
167	-14.89363099	141.619024	<i>Diospyros geminata</i>	1
168	-14.90582096	141.62357	<i>Diospyros geminata</i>	1
169	-14.90543104	141.623334	<i>Diospyros geminata</i>	1
170	-14.90500197	141.622657	<i>Diospyros geminata</i>	1
171	-14.89365304	141.61897	<i>Diospyros geminata</i>	1
172	-14.90531604	141.623223	<i>Diospyros geminata</i>	1
173	-14.90479896	141.622329	<i>Diospyros geminata</i>	1
174	-14.89318801	141.618706	<i>Diospyros geminata</i>	1
175	-14.90539701	141.623381	<i>Diospyros geminata</i>	1
176	-14.89343503	141.617953	<i>Diospyros geminata</i>	1
177	-14.905439	141.623718	<i>Diospyros geminata</i>	1
178	-14.89374298	141.618131	<i>Diospyros geminata</i>	1
179	-14.90530204	141.624787	<i>Diospyros geminata</i>	1
180	-14.89382898	141.618923	<i>Diospyros geminata</i>	1
181	-14.90485202	141.624547	<i>Diospyros geminata</i>	1
182	-14.893732	141.61903	<i>Diospyros geminata</i>	1
183	-14.904662	141.624521	<i>Diospyros geminata</i>	1
184	-14.89371498	141.619027	<i>Diospyros geminata</i>	1
185	-14.89427598	141.617563	<i>Diospyros geminata</i>	1
186	-14.90458203	141.622233	<i>Diospyros geminata</i>	2
187	-14.90458203	141.622233	<i>Diospyros geminata</i>	2
188	-14.89421102	141.619136	<i>Diospyros geminata</i>	2
189	-14.90561301	141.622887	<i>Diospyros geminata</i>	2
190	-14.894638	141.617754	<i>Diospyros geminata</i>	2
191	-14.90575802	141.622946	<i>Diospyros geminata</i>	2
192	-14.89373602	141.618525	<i>Diospyros geminata</i>	2
193	-14.90539902	141.622768	<i>Diospyros geminata</i>	2
194	-14.90601903	141.622899	<i>Diospyros geminata</i>	2
195	-14.90380302	141.621089	<i>Diospyros geminata</i>	2
196	-14.90539298	141.622456	<i>Diospyros geminata</i>	3
197	-14.89314401	141.618639	<i>Diospyros geminata</i>	3
198	-14.893157	141.618496	<i>Diospyros geminata</i>	3
199	-14.90552399	141.622798	<i>Diospyros geminata</i>	3
200	-14.90517799	141.622927	<i>Diospyros geminata</i>	4
201	-14.90581904	141.623362	<i>Diospyros geminata</i>	4
202	-14.90533599	141.622547	<i>Diospyros geminata</i>	6

Host tree no.	Latitude	Longitude	Host tree species	Cooktown orchid no. per host tree
203	-14.905051	141.621759	<i>Diospyros geminata</i>	1
204	-14.90527304	141.62248	<i>Diospyros geminata</i>	1
205	-14.89470698	141.619359	<i>Diospyros geminata</i>	1
206	-14.905352	141.622704	<i>Diospyros geminata</i>	1
207	-14.89353896	141.618185	<i>Diospyros geminata</i>	1
208	-14.90529198	141.622468	<i>Diospyros geminata</i>	2
209	-14.90443803	141.622274	<i>Diospyros geminata</i>	2
210	-14.90537404	141.622468	<i>Diospyros geminata</i>	3
211	-14.90524798	141.62244	<i>Diospyros geminata</i>	3
212	-14.90527396	141.622448	<i>Diospyros geminata</i>	4
213	-14.90457499	141.622187	<i>Diospyros geminata</i>	4
214	-14.90528	141.622452	<i>Diospyros geminata</i>	7
215	-14.893834	141.618128	<i>Dodonaea</i>	1
216	-14.89376502	141.618108	<i>Dodonaea</i>	1
217	-14.90556599	141.624409	<i>Dodonaea</i>	1
218	-14.89504301	141.61925	<i>Dodonaea</i>	1
219	-14.90558099	141.624434	<i>Dodonaea</i>	1
220	-14.89404799	141.618186	<i>Dodonaea</i>	1
221	-14.89405897	141.618249	<i>Dodonaea</i>	1
222	-14.89391003	141.61831	<i>Dodonaea</i>	1
223	-14.90659302	141.62185	<i>Dodonaea</i>	1
224	-14.89371699	141.618414	<i>Dodonaea</i>	2
225	-14.89386502	141.618407	<i>Dodonaea</i>	2
226	-14.90535703	141.622222	<i>Exocarpos latifolius</i>	1
227	-14.90496098	141.622064	<i>Exocarpos latifolius</i>	1
228	-14.89504402	141.619265	<i>Exocarpos latifolius</i>	1
229	-14.90562097	141.623196	<i>Exocarpos latifolius</i>	1
230	-14.90347504	141.624268	<i>Exocarpos latifolius</i>	1
231	-14.90582096	141.623518	<i>Exocarpos latifolius</i>	1
232	-14.90507397	141.624948	<i>Exocarpos latifolius</i>	1
233	-14.90610503	141.622291	<i>Exocarpos latifolius</i>	1
234	-14.90530497	141.622478	<i>Exocarpos latifolius</i>	2
235	-14.89365597	141.618842	<i>Exocarpos latifolius</i>	2
236	-14.90483802	141.623543	<i>Exocarpos latifolius</i>	2
237	-14.90528997	141.622496	<i>Exocarpos latifolius</i>	3
238	-14.90514304	141.622997	<i>Exocarpos latifolius</i>	3
239	-14.90455002	141.622363	<i>Exocarpos latifolius</i>	3
240	-14.90513398	141.621829	<i>Exocarpos latifolius</i>	1
241	-14.90490901	141.621547	<i>Fallen branch</i>	1
242	-14.90530003	141.62234	<i>Fallen branch</i>	1
243	-14.90474104	141.623135	<i>Fallen branch</i>	1
244	-14.90674197	141.621936	<i>Fallen branch</i>	1
245	-14.89346604	141.618879	<i>Fallen branch</i>	1
246	-14.90549298	141.622264	<i>Fallen branch</i>	1
247	-14.89433097	141.61747	<i>Fallen branch</i>	1
248	-14.90556397	141.622663	<i>Fallen branch</i>	1
249	-14.904633	141.622514	<i>Fallen branch</i>	1
250	-14.90523599	141.623035	<i>Fallen branch</i>	1
251	-14.90552802	141.624303	<i>Fallen branch</i>	1
252	-14.90629002	141.621761	<i>Fallen branch</i>	1
253	-14.90490499	141.623733	<i>Fallen branch</i>	2

Host tree no.	Latitude	Longitude	Host tree species	Cooktown orchid no. per host tree
254	-14.89445703	141.619506	<i>Fallen branch</i>	2
255	-14.90539701	141.624005	<i>Fallen branch</i>	2
256	-14.894323	141.617812	<i>Fallen branch</i>	3
257	-14.89422703	141.619109	<i>Fallen branch</i>	4
258	-14.89337501	141.618265	<i>Ficus virens</i>	1
259	-14.89377902	141.618717	<i>Ficus virens</i>	1
260	-14.90561804	141.623893	<i>Ficus virens</i>	3
261	-14.904144	141.623942	<i>Ficus virens</i>	1
262	-14.90449604	141.621988	<i>Ficus virens</i>	2
263	-14.90366396	141.623244	<i>Ficus virens</i>	3
264	-14.89320402	141.618685	<i>Gyrocarpus americanus</i>	1
265	-14.89315297	141.618561	<i>Gyrocarpus americanus</i>	1
266	-14.90635104	141.622197	<i>Gyrocarpus americanus</i>	1
267	-14.89371498	141.617525	<i>Gyrocarpus americanus</i>	1
268	-14.90558099	141.62264	<i>Gyrocarpus americanus</i>	1
269	-14.89362898	141.617788	<i>Gyrocarpus americanus</i>	1
270	-14.90575098	141.622921	<i>Gyrocarpus americanus</i>	1
271	-14.90619304	141.621861	<i>Gyrocarpus americanus</i>	1
272	-14.89385898	141.618594	<i>Gyrocarpus americanus</i>	2
273	-14.90557998	141.62146	<i>Gyrocarpus americanus</i>	1
274	-14.90556498	141.621816	<i>Gyrocarpus americanus</i>	1
275	-14.904619	141.622027	<i>Gyrocarpus americanus</i>	1
276	-14.90456804	141.622056	<i>Gyrocarpus americanus</i>	2
277	-14.90574301	141.621509	<i>Halfordia kendack</i>	1
278	-14.90537899	141.621554	<i>Halfordia kendack</i>	2
279	-14.90482301	141.622732	<i>Halfordia kendack</i>	2
280	-14.90555802	141.621823	<i>Halfordia kendack</i>	3
281	-14.90573103	141.621474	<i>Halfordia kendack</i>	4
283	-14.90597703	141.621786	<i>Pavetta brownii</i>	1
284	-14.90511999	141.623665	<i>Pavetta brownii</i>	1
285	-14.89302197	141.618876	<i>Pavetta brownii</i>	1
286	-14.89394498	141.617923	<i>Pavetta brownii</i>	1
287	-14.90452998	141.623438	<i>Litsea glutinosa</i>	1
288	-14.89369604	141.619048	<i>Litsea glutinosa</i>	1
289	-14.90553003	141.623808	<i>Litsea glutinosa</i>	1
290	-14.89381598	141.619019	<i>Litsea glutinosa</i>	1
291	-14.89392101	141.617363	<i>Litsea glutinosa</i>	1
292	-14.89386099	141.617309	<i>Litsea glutinosa</i>	1
293	-14.90623	141.622327	<i>Litsea glutinosa</i>	1
294	-14.90397803	141.621171	<i>Litsea glutinosa</i>	2
295	-14.90551201	141.622907	<i>Litsea glutinosa</i>	2
296	-14.90552802	141.622766	<i>Litsea glutinosa</i>	3
297	-14.90464398	141.621759	<i>Litsea glutinosa</i>	1
298	-14.90557202	141.622012	<i>Litsea glutinosa</i>	1
299	-14.90437299	141.623081	<i>Litsea glutinosa</i>	1
300	-14.90413402	141.622136	<i>Litsea glutinosa</i>	1
301	-14.90509501	141.623137	<i>Litsea glutinosa</i>	3
302	-14.90431499	141.622672	<i>Mallotus nesophilus</i>	1
303	-14.90357302	141.623973	<i>Mallotus nesophilus</i>	1
304	-14.90626202	141.622579	<i>Mallotus nesophilus</i>	1
305	-14.89391799	141.619125	<i>Mallotus nesophilus</i>	1

Host tree no.	Latitude	Longitude	Host tree species	Cooktown orchid no. per host tree
306	-14.90611802	141.622455	<i>Mallotus nesophilus</i>	1
307	-14.89407599	141.619299	<i>Mallotus nesophilus</i>	1
308	-14.90625598	141.622965	<i>Mallotus nesophilus</i>	1
309	-14.89435703	141.617729	<i>Mallotus nesophilus</i>	1
310	-14.90556498	141.623654	<i>Mallotus nesophilus</i>	1
311	-14.89413399	141.61914	<i>Mallotus nesophilus</i>	1
312	-14.89415696	141.618345	<i>Mallotus nesophilus</i>	1
313	-14.90581401	141.622225	<i>Mallotus nesophilus</i>	1
314	-14.90345199	141.623732	<i>Mallotus nesophilus</i>	2
315	-14.89493396	141.619558	<i>Mallotus nesophilus</i>	2
316	-14.90516902	141.622781	<i>Mallotus nesophilus</i>	3
317	-14.90517799	141.622703	<i>Mallotus nesophilus</i>	3
318	-14.90544101	141.62207	<i>Mallotus nesophilus</i>	1
319	-14.90565098	141.621957	<i>Mallotus nesophilus</i>	3
320	-14.89474797	141.619627	<i>Micromelum minutum</i>	1
321	-14.90488797	141.623415	<i>Micromelum minutum</i>	1
322	-14.90469502	141.62354	<i>Micromelum minutum</i>	1
323	-14.90527497	141.622746	<i>Micromelum minutum</i>	1
324	-14.90467398	141.623487	<i>Micromelum minutum</i>	1
325	-14.90563396	141.623304	<i>Micromelum minutum</i>	1
326	-14.90301303	141.623954	<i>Micromelum minutum</i>	1
327	-14.90530103	141.623269	<i>Micromelum minutum</i>	1
328	-14.89326102	141.6188	<i>Micromelum minutum</i>	1
329	-14.90570102	141.623734	<i>Micromelum minutum</i>	1
330	-14.89324702	141.618811	<i>Micromelum minutum</i>	1
331	-14.90563899	141.623702	<i>Micromelum minutum</i>	1
332	-14.89473003	141.618502	<i>Micromelum minutum</i>	1
333	-14.90585399	141.622772	<i>Micromelum minutum</i>	1
334	-14.89309598	141.618842	<i>Micromelum minutum</i>	3
335	-14.89425796	141.617911	<i>Micromelum minutum</i>	3
336	-14.90567202	141.622746	<i>Micromelum minutum</i>	3
337	-14.90526298	141.622684	<i>Micromelum minutum</i>	1
338	-14.89392604	141.617814	<i>Micromelum minutum</i>	1
339	-14.89408999	141.617725	<i>Micromelum minutum</i>	1
340	-14.89414103	141.618497	<i>Micromelum minutum</i>	1
341	-14.90438799	141.623036	<i>Micromelum minutum</i>	1
342	-14.90426503	141.622096	<i>Micromelum minutum</i>	2
343	-14.89388002	141.618872	<i>Micromelum minutum</i>	2
344	-14.89383199	141.617661	<i>Micromelum minutum</i>	2
345	-14.89465803	141.618869	<i>Micromelum minutum</i>	2
346	-14.89481997	141.618639	<i>Micromelum minutum</i>	2
347	-14.90422103	141.622121	<i>Micromelum minutum</i>	2
348	-14.90505201	141.621881	<i>Micromelum minutum</i>	3
349	-14.90525703	141.622344	<i>Micromelum minutum</i>	3
350	-14.90449897	141.621802	<i>Micromelum minutum</i>	4
351	-14.90336901	141.624174	<i>Millettia pinnata</i>	1
352	-14.90659302	141.621896	<i>Millettia pinnata</i>	1
353	-14.90435103	141.62445	<i>Millettia pinnata</i>	2
354	-14.89335397	141.618997	<i>Mimusops elengi</i>	1
355	-14.90450501	141.623161	<i>Mimusops elengi</i>	2
356	-14.90480801	141.623386	<i>Mimusops elengi</i>	2

Host tree no.	Latitude	Longitude	Host tree species	Cooktown orchid no. per host tree
357	-14.904663	141.623476	<i>Mimusops elengi</i>	2
358	-14.89325096	141.618595	<i>Mimusops elengi</i>	2
359	-14.89331801	141.618328	<i>Mimusops elengi</i>	2
360	-14.89445896	141.618704	<i>Mimusops elengi</i>	2
361	-14.90613998	141.621719	<i>Mimusops elengi</i>	2
362	-14.90495704	141.623711	<i>Mimusops elengi</i>	3
363	-14.89468502	141.618616	<i>Mimusops elengi</i>	3
364	-14.90577503	141.622784	<i>Mimusops elengi</i>	3
365	-14.90554604	141.622922	<i>Mimusops elengi</i>	3
366	-14.90607603	141.622908	<i>Mimusops elengi</i>	3
367	-14.90511001	141.622677	<i>Mimusops elengi</i>	4
368	-14.90432597	141.622999	<i>Mimusops elengi</i>	4
369	-14.90447299	141.623184	<i>Mimusops elengi</i>	6
370	-14.90521596	141.621451	<i>Mimusops elengi</i>	1
371	-14.90505603	141.622033	<i>Mimusops elengi</i>	2
373	-14.90522501	141.622449	<i>Ficus opposita</i>	1
374	-14.90521797	141.621313	<i>Ficus opposita</i>	1
375	-14.90603202	141.621812	<i>Pisonia aculeata</i>	1
376	-14.90579397	141.621966	<i>Premna acuminata</i>	1
377	-14.90610201	141.623198	<i>Premna acuminata</i>	3
378	-14.90494598	141.622776	<i>Premna acuminata</i>	1
379	-14.90372499	141.623462	<i>Premna acuminata</i>	1
380	-14.90609203	141.622261	<i>Premna acuminata</i>	1
381	-14.90457499	141.623663	<i>Premna acuminata</i>	1
382	-14.904921	141.624487	<i>Premna acuminata</i>	1
383	-14.89326697	141.618789	<i>Premna acuminata</i>	1
384	-14.904763	141.624384	<i>Premna acuminata</i>	1
385	-14.89344299	141.618742	<i>Premna acuminata</i>	1
386	-14.90472604	141.624642	<i>Premna acuminata</i>	1
387	-14.89457899	141.617497	<i>Premna acuminata</i>	1
388	-14.89379897	141.617266	<i>Premna acuminata</i>	1
389	-14.894005	141.617606	<i>Premna acuminata</i>	1
390	-14.90432697	141.623452	<i>Premna acuminata</i>	1
391	-14.90628004	141.621743	<i>Premna acuminata</i>	1
392	-14.90409999	141.623717	<i>Premna acuminata</i>	2
393	-14.90455404	141.624099	<i>Premna acuminata</i>	2
394	-14.90374996	141.623986	<i>Premna acuminata</i>	2
395	-14.89365396	141.619014	<i>Premna acuminata</i>	2
396	-14.89353997	141.618905	<i>Premna acuminata</i>	2
397	-14.89373703	141.618486	<i>Premna acuminata</i>	2
398	-14.90625598	141.623023	<i>Premna acuminata</i>	2
399	-14.90422103	141.622766	<i>Premna acuminata</i>	3
400	-14.90581803	141.623433	<i>Premna acuminata</i>	3
401	-14.89358699	141.618102	<i>Premna acuminata</i>	4
402	-14.90458002	141.624863	<i>Premna acuminata</i>	4
403	-14.90473903	141.62489	<i>Premna acuminata</i>	4
404	-14.90419303	141.623453	<i>Premna acuminata</i>	5
405	-14.894351	141.618812	<i>Premna acuminata</i>	5
406	-14.893991	141.618975	<i>Premna acuminata</i>	6
407	-14.90419496	141.623769	<i>Sersalisia sericea</i>	1
408	-14.90484296	141.623942	<i>Sersalisia sericea</i>	1

Host tree no.	Latitude	Longitude	Host tree species	Cooktown orchid no. per host tree
409	-14.89349303	141.618876	<i>Sersalisia sericea</i>	1
410	-14.90577503	141.623711	<i>Sersalisia sericea</i>	1
411	-14.89325498	141.618706	<i>Sersalisia sericea</i>	1
412	-14.90651297	141.622432	<i>Sersalisia sericea</i>	1
413	-14.90517103	141.623789	<i>Sersalisia sericea</i>	1
414	-14.89370903	141.618283	<i>Sersalisia sericea</i>	1
415	-14.90527698	141.624074	<i>Sersalisia sericea</i>	1
416	-14.89465199	141.619968	<i>Sersalisia sericea</i>	1
417	-14.90515402	141.624661	<i>Sersalisia sericea</i>	1
418	-14.89479298	141.619665	<i>Sersalisia sericea</i>	1
419	-14.90504698	141.62456	<i>Sersalisia sericea</i>	1
420	-14.89543696	141.618185	<i>Sersalisia sericea</i>	1
421	-14.90489602	141.624459	<i>Sersalisia sericea</i>	1
422	-14.89356201	141.617638	<i>Sersalisia sericea</i>	1
423	-14.90509199	141.624735	<i>Sersalisia sericea</i>	1
424	-14.89441504	141.618839	<i>Sersalisia sericea</i>	1
425	-14.90513499	141.624974	<i>Sersalisia sericea</i>	1
426	-14.89425302	141.618372	<i>Sersalisia sericea</i>	1
427	-14.90524496	141.625127	<i>Sersalisia sericea</i>	1
428	-14.89481301	141.618385	<i>Sersalisia sericea</i>	1
429	-14.90467499	141.624351	<i>Sersalisia sericea</i>	1
430	-14.894552	141.619713	<i>Sersalisia sericea</i>	1
431	-14.89452903	141.619828	<i>Sersalisia sericea</i>	1
432	-14.90579397	141.622164	<i>Sersalisia sericea</i>	1
433	-14.90619597	141.623121	<i>Sersalisia sericea</i>	1
434	-14.90417602	141.624327	<i>Sersalisia sericea</i>	1
435	-14.90551603	141.622592	<i>Sersalisia sericea</i>	1
436	-14.90343103	141.624534	<i>Sersalisia sericea</i>	1
437	-14.90540598	141.622863	<i>Sersalisia sericea</i>	1
438	-14.902894	141.624165	<i>Sersalisia sericea</i>	1
439	-14.90563497	141.623171	<i>Sersalisia sericea</i>	1
440	-14.90308503	141.624287	<i>Sersalisia sericea</i>	1
441	-14.905641	141.623135	<i>Sersalisia sericea</i>	1
442	-14.903094	141.624323	<i>Sersalisia sericea</i>	1
443	-14.90587997	141.623254	<i>Sersalisia sericea</i>	1
444	-14.90356699	141.624329	<i>Sersalisia sericea</i>	1
445	-14.90584997	141.623578	<i>Sersalisia sericea</i>	1
446	-14.90374602	141.624394	<i>Sersalisia sericea</i>	1
447	-14.90580504	141.623561	<i>Sersalisia sericea</i>	1
448	-14.90521101	141.623217	<i>Sersalisia sericea</i>	2
449	-14.90415104	141.623341	<i>Sersalisia sericea</i>	2
450	-14.90311	141.624353	<i>Sersalisia sericea</i>	2
451	-14.90595801	141.623623	<i>Sersalisia sericea</i>	2
452	-14.902979	141.624109	<i>Sersalisia sericea</i>	2
453	-14.90587201	141.622852	<i>Sersalisia sericea</i>	2
454	-14.905914	141.623617	<i>Sersalisia sericea</i>	2
455	-14.90305401	141.624234	<i>Sersalisia sericea</i>	2
456	-14.90558702	141.623324	<i>Sersalisia sericea</i>	2
457	-14.90342097	141.624405	<i>Sersalisia sericea</i>	2
458	-14.90536298	141.623334	<i>Sersalisia sericea</i>	2
459	-14.90350496	141.624338	<i>Sersalisia sericea</i>	2

Host tree no.	Latitude	Longitude	Host tree species	Cooktown orchid no. per host tree
460	-14.905382	141.62354	<i>Sersalisia sericea</i>	2
461	-14.903613	141.624342	<i>Sersalisia sericea</i>	2
462	-14.90525502	141.623448	<i>Sersalisia sericea</i>	2
463	-14.904015	141.624368	<i>Sersalisia sericea</i>	2
464	-14.90502502	141.623527	<i>Sersalisia sericea</i>	2
465	-14.90376597	141.624126	<i>Sersalisia sericea</i>	2
466	-14.90547697	141.623874	<i>Sersalisia sericea</i>	2
467	-14.89292096	141.619413	<i>Sersalisia sericea</i>	2
468	-14.90501597	141.623711	<i>Sersalisia sericea</i>	2
469	-14.89353703	141.618208	<i>Sersalisia sericea</i>	2
470	-14.90495796	141.623778	<i>Sersalisia sericea</i>	2
471	-14.90382297	141.62301	<i>Sersalisia sericea</i>	2
472	-14.89390299	141.61884	<i>Sersalisia sericea</i>	2
473	-14.905497	141.624458	<i>Sersalisia sericea</i>	2
474	-14.89447597	141.619732	<i>Sersalisia sericea</i>	2
475	-14.90544302	141.622734	<i>Sersalisia sericea</i>	2
476	-14.90538502	141.624443	<i>Sersalisia sericea</i>	2
477	-14.89504997	141.619308	<i>Sersalisia sericea</i>	2
478	-14.90488102	141.624192	<i>Sersalisia sericea</i>	2
479	-14.89419803	141.617476	<i>Sersalisia sericea</i>	2
480	-14.90513097	141.624454	<i>Sersalisia sericea</i>	2
481	-14.89406099	141.617504	<i>Sersalisia sericea</i>	2
482	-14.90544604	141.624611	<i>Sersalisia sericea</i>	2
483	-14.89371398	141.617317	<i>Sersalisia sericea</i>	2
484	-14.90501496	141.62455	<i>Sersalisia sericea</i>	2
485	-14.89397599	141.618867	<i>Sersalisia sericea</i>	2
486	-14.90481002	141.624528	<i>Sersalisia sericea</i>	2
487	-14.89405696	141.618757	<i>Sersalisia sericea</i>	2
488	-14.90520003	141.624807	<i>Sersalisia sericea</i>	2
489	-14.90518503	141.625034	<i>Sersalisia sericea</i>	2
490	-14.90498101	141.624754	<i>Sersalisia sericea</i>	2
491	-14.90433502	141.623578	<i>Sersalisia sericea</i>	2
492	-14.90477499	141.624898	<i>Sersalisia sericea</i>	2
493	-14.90468396	141.624563	<i>Sersalisia sericea</i>	2
494	-14.90396898	141.621147	<i>Sersalisia sericea</i>	2
495	-14.90551201	141.62288	<i>Sersalisia sericea</i>	2
496	-14.90466703	141.624092	<i>Sersalisia sericea</i>	2
497	-14.90582599	141.62301	<i>Sersalisia sericea</i>	2
498	-14.90448397	141.624358	<i>Sersalisia sericea</i>	2
499	-14.90601702	141.623089	<i>Sersalisia sericea</i>	2
500	-14.90406898	141.623955	<i>Sersalisia sericea</i>	2
501	-14.90606898	141.623385	<i>Sersalisia sericea</i>	2
502	-14.90397502	141.623825	<i>Sersalisia sericea</i>	2
503	-14.905655	141.622931	<i>Sersalisia sericea</i>	2
504	-14.90373898	141.623728	<i>Sersalisia sericea</i>	2
505	-14.90543003	141.623154	<i>Sersalisia sericea</i>	2
506	-14.90410603	141.624162	<i>Sersalisia sericea</i>	2
507	-14.90590696	141.623314	<i>Sersalisia sericea</i>	2
508	-14.90427199	141.62357	<i>Sersalisia sericea</i>	3
509	-14.90422597	141.623554	<i>Sersalisia sericea</i>	3
510	-14.89321198	141.618793	<i>Sersalisia sericea</i>	3

Host tree no.	Latitude	Longitude	Host tree species	Cooktown orchid no. per host tree
511	-14.90541897	141.623754	<i>Sersalisia sericea</i>	3
512	-14.89448	141.619671	<i>Sersalisia sericea</i>	3
513	-14.90551603	141.622744	<i>Sersalisia sericea</i>	3
514	-14.90564603	141.624196	<i>Sersalisia sericea</i>	3
515	-14.89455602	141.619668	<i>Sersalisia sericea</i>	3
516	-14.90536398	141.624262	<i>Sersalisia sericea</i>	3
517	-14.90499199	141.624032	<i>Sersalisia sericea</i>	3
518	-14.90500499	141.624307	<i>Sersalisia sericea</i>	3
519	-14.90524898	141.624522	<i>Sersalisia sericea</i>	3
520	-14.90535904	141.624557	<i>Sersalisia sericea</i>	3
521	-14.90514496	141.624745	<i>Sersalisia sericea</i>	3
522	-14.90503902	141.625	<i>Sersalisia sericea</i>	3
523	-14.90515997	141.625167	<i>Sersalisia sericea</i>	3
524	-14.90415598	141.623296	<i>Sersalisia sericea</i>	3
525	-14.90511202	141.625075	<i>Sersalisia sericea</i>	3
526	-14.90503198	141.625061	<i>Sersalisia sericea</i>	3
527	-14.90611701	141.622969	<i>Sersalisia sericea</i>	3
528	-14.90554	141.622712	<i>Sersalisia sericea</i>	3
529	-14.90488102	141.623896	<i>Sersalisia sericea</i>	3
530	-14.905467	141.622509	<i>Sersalisia sericea</i>	3
531	-14.904604	141.624127	<i>Sersalisia sericea</i>	3
532	-14.90535996	141.622595	<i>Sersalisia sericea</i>	3
533	-14.90360102	141.623887	<i>Sersalisia sericea</i>	3
534	-14.90590503	141.623307	<i>Sersalisia sericea</i>	3
535	-14.90287598	141.624274	<i>Sersalisia sericea</i>	3
536	-14.90571502	141.623112	<i>Sersalisia sericea</i>	3
537	-14.90379799	141.624146	<i>Sersalisia sericea</i>	3
538	-14.90581501	141.62322	<i>Sersalisia sericea</i>	3
539	-14.90333204	141.624135	<i>Sersalisia sericea</i>	3
540	-14.90528896	141.623233	<i>Sersalisia sericea</i>	3
541	-14.89277202	141.619504	<i>Sersalisia sericea</i>	3
542	-14.90523599	141.623738	<i>Sersalisia sericea</i>	3
543	-14.90430904	141.62353	<i>Sersalisia sericea</i>	4
544	-14.904245	141.623626	<i>Sersalisia sericea</i>	4
545	-14.90558803	141.622772	<i>Sersalisia sericea</i>	4
546	-14.90410603	141.623465	<i>Sersalisia sericea</i>	4
547	-14.905396	141.623964	<i>Sersalisia sericea</i>	4
548	-14.904576	141.624146	<i>Sersalisia sericea</i>	4
549	-14.90523398	141.624037	<i>Sersalisia sericea</i>	4
550	-14.90448598	141.62456	<i>Sersalisia sericea</i>	4
551	-14.90504698	141.624342	<i>Sersalisia sericea</i>	4
552	-14.90351401	141.623917	<i>Sersalisia sericea</i>	4
553	-14.90603001	141.622943	<i>Sersalisia sericea</i>	4
554	-14.90600796	141.622939	<i>Sersalisia sericea</i>	5
555	-14.905195	141.624247	<i>Sersalisia sericea</i>	5
556	-14.90491203	141.625	<i>Sersalisia sericea</i>	5
557	-14.906101	141.62292	<i>Sersalisia sericea</i>	6
558	-14.90509601	141.622537	<i>Sersalisia sericea</i>	1
559	-14.90490097	141.622533	<i>Sersalisia sericea</i>	1
560	-14.90516701	141.623183	<i>Sersalisia sericea</i>	1
561	-14.90422798	141.622446	<i>Sersalisia sericea</i>	1

Host tree no.	Latitude	Longitude	Host tree species	Cooktown orchid no. per host tree
562	-14.90455002	141.624664	<i>Sersalisia sericea</i>	1
563	-14.90428699	141.622688	<i>Sersalisia sericea</i>	1
564	-14.90451498	141.622803	<i>Sersalisia sericea</i>	1
565	-14.90449897	141.622858	<i>Sersalisia sericea</i>	1
566	-14.90399103	141.622947	<i>Sersalisia sericea</i>	1
567	-14.90414098	141.622926	<i>Sersalisia sericea</i>	1
568	-14.90469603	141.623608	<i>Sersalisia sericea</i>	1
569	-14.89432904	141.619462	<i>Sersalisia sericea</i>	1
570	-14.89434798	141.618475	<i>Sersalisia sericea</i>	1
571	-14.90496299	141.622644	<i>Sersalisia sericea</i>	2
572	-14.90508202	141.622784	<i>Sersalisia sericea</i>	2
573	-14.904259	141.622675	<i>Sersalisia sericea</i>	2
574	-14.90510699	141.622873	<i>Sersalisia sericea</i>	2
575	-14.90446502	141.622748	<i>Sersalisia sericea</i>	2
576	-14.90447701	141.622312	<i>Sersalisia sericea</i>	2
577	-14.90395498	141.622902	<i>Sersalisia sericea</i>	2
578	-14.90434399	141.622168	<i>Sersalisia sericea</i>	2
579	-14.90457298	141.623278	<i>Sersalisia sericea</i>	2
580	-14.90429898	141.623782	<i>Sersalisia sericea</i>	2
581	-14.89315004	141.618696	<i>Sersalisia sericea</i>	2
582	-14.89358598	141.617846	<i>Sersalisia sericea</i>	2
583	-14.89408001	141.618122	<i>Sersalisia sericea</i>	2
584	-14.90428003	141.622454	<i>Sersalisia sericea</i>	2
585	-14.904605	141.622243	<i>Sersalisia sericea</i>	3
586	-14.90487699	141.622444	<i>Sersalisia sericea</i>	3
587	-14.89343402	141.617898	<i>Sersalisia sericea</i>	3
588	-14.905123	141.623163	<i>Sersalisia sericea</i>	3
589	-14.90429403	141.622915	<i>Sersalisia sericea</i>	3
590	-14.90484799	141.622501	<i>Sersalisia sericea</i>	3
591	-14.90455798	141.623213	<i>Sersalisia sericea</i>	3
592	-14.90460701	141.623309	<i>Sersalisia sericea</i>	3
593	-14.90489099	141.62345	<i>Sersalisia sericea</i>	3
594	-14.90443996	141.623367	<i>Sersalisia sericea</i>	3
595	-14.90365198	141.623157	<i>Sersalisia sericea</i>	3
596	-14.90377	141.623417	<i>Sersalisia sericea</i>	3
597	-14.90410603	141.623681	<i>Sersalisia sericea</i>	3
598	-14.89339303	141.618567	<i>Sersalisia sericea</i>	3
599	-14.90485302	141.622391	<i>Sersalisia sericea</i>	4
600	-14.90497196	141.622843	<i>Sersalisia sericea</i>	4
601	-14.90477499	141.623684	<i>Sersalisia sericea</i>	4
602	-14.90452001	141.623397	<i>Sersalisia sericea</i>	4
603	-14.90455697	141.623827	<i>Sersalisia sericea</i>	4
604	-14.89321198	141.618433	<i>Sersalisia sericea</i>	4
605	-14.90468103	141.623414	<i>Sersalisia sericea</i>	4
606	-14.90452001	141.624711	<i>Sersalisia sericea</i>	4
607	-14.90432102	141.622919	<i>Sersalisia sericea</i>	5
608	-14.90528	141.621259	<i>Sersalisia sericea</i>	1
609	-14.90531604	141.621594	<i>Sersalisia sericea</i>	1
610	-14.90427601	141.62223	<i>Sersalisia sericea</i>	1
611	-14.90452898	141.622034	<i>Sersalisia sericea</i>	1
612	-14.90432303	141.622281	<i>Sersalisia sericea</i>	1

Host tree no.	Latitude	Longitude	Host tree species	Cooktown orchid no. per host tree
613	-14.90508998	141.621621	<i>Sersalisia sericea</i>	1
614	-14.90441297	141.622515	<i>Sersalisia sericea</i>	1
615	-14.90520297	141.621676	<i>Sersalisia sericea</i>	1
616	-14.90373999	141.62293	<i>Sersalisia sericea</i>	1
617	-14.90521696	141.622627	<i>Sersalisia sericea</i>	1
618	-14.89455502	141.619469	<i>Sersalisia sericea</i>	1
619	-14.90428498	141.622195	<i>Sersalisia sericea</i>	1
620	-14.90523599	141.621341	<i>Sersalisia sericea</i>	2
621	-14.90532702	141.621285	<i>Sersalisia sericea</i>	2
622	-14.90521898	141.621843	<i>Sersalisia sericea</i>	2
623	-14.90513398	141.622225	<i>Sersalisia sericea</i>	2
624	-14.90522602	141.622049	<i>Sersalisia sericea</i>	2
625	-14.90524597	141.622526	<i>Sersalisia sericea</i>	2
626	-14.905079	141.623119	<i>Sersalisia sericea</i>	2
627	-14.90403696	141.622458	<i>Sersalisia sericea</i>	2
628	-14.90421901	141.621018	<i>Sersalisia sericea</i>	2
629	-14.90547999	141.621431	<i>Sersalisia sericea</i>	2
630	-14.90535703	141.621363	<i>Sersalisia sericea</i>	2
631	-14.90522903	141.621324	<i>Sersalisia sericea</i>	2
632	-14.90464398	141.62095	<i>Sersalisia sericea</i>	2
633	-14.90430996	141.620866	<i>Sersalisia sericea</i>	2
634	-14.90452403	141.621155	<i>Sersalisia sericea</i>	2
635	-14.90500297	141.621501	<i>Sersalisia sericea</i>	2
636	-14.90528896	141.621837	<i>Sersalisia sericea</i>	2
637	-14.90532903	141.621311	<i>Sersalisia sericea</i>	3
638	-14.90547404	141.621293	<i>Sersalisia sericea</i>	3
639	-14.90615004	141.622387	<i>Sersalisia sericea</i>	3
640	-14.90551704	141.621421	<i>Sersalisia sericea</i>	3
641	-14.90507003	141.621281	<i>Sersalisia sericea</i>	3
642	-14.90552701	141.621803	<i>Sersalisia sericea</i>	3
643	-14.90529399	141.621712	<i>Sersalisia sericea</i>	3
644	-14.90537999	141.621797	<i>Sersalisia sericea</i>	3
645	-14.90507397	141.621726	<i>Sersalisia sericea</i>	3
646	-14.905353	141.622514	<i>Sersalisia sericea</i>	3
647	-14.90429102	141.622475	<i>Sersalisia sericea</i>	3
648	-14.90518796	141.621365	<i>Sersalisia sericea</i>	4
649	-14.90522199	141.621713	<i>Sersalisia sericea</i>	4
650	-14.90529701	141.622412	<i>Sersalisia sericea</i>	4
651	-14.905166	141.622308	<i>Sersalisia sericea</i>	4
652	-14.90522199	141.622077	<i>Sersalisia sericea</i>	4
653	-14.90489803	141.622928	<i>Sersalisia sericea</i>	4
654	-14.905194	141.621367	<i>Sersalisia sericea</i>	5
655	-14.90523004	141.621203	<i>Sersalisia sericea</i>	5
656	-14.89359696	141.618955	<i>Sersalisia sericea</i>	5
657	-14.90529198	141.621221	<i>Sersalisia sericea</i>	5
658	-14.90544696	141.621453	<i>Sersalisia sericea</i>	5
659	-14.90504304	141.621848	<i>Sersalisia sericea</i>	5
660	-14.90513097	141.622569	<i>Sersalisia sericea</i>	5
661	-14.90452998	141.62211	<i>Sersalisia sericea</i>	5
662	-14.90476099	141.62268	<i>Sersalisia sericea</i>	5
663	-14.905295	141.621331	<i>Sersalisia sericea</i>	6

Host tree no.	Latitude	Longitude	Host tree species	Cooktown orchid no. per host tree
664	-14.90578299	141.621507	<i>Sersalisia sericea</i>	6
665	-14.904174	141.620829	<i>Sersalisia sericea</i>	6
666	-14.904978	141.621831	<i>Sersalisia sericea</i>	6
667	-14.90433997	141.620834	<i>Sersalisia sericea</i>	7
668	-14.90536801	141.624201	<i>Sersalisia sericea</i>	7
669	-14.90513901	141.622336	<i>Sersalisia sericea</i>	8
672	-14.90559197	141.621503	Dead Standing Tree	1
673	-14.90556498	141.62156	Dead Standing Tree	1
674	-14.90431298	141.624784	Dead Standing Tree	1
675	-14.905454	141.622523	Dead Standing Tree	1
676	-14.90331503	141.623836	Dead Standing Tree	1
677	-14.90490499	141.622723	Dead Standing Tree	1
678	-14.90553598	141.621423	Dead Standing Tree	1
679	-14.90569498	141.623112	Dead Standing Tree	1
680	-14.90396102	141.624595	Dead Standing Tree	1
681	-14.90604904	141.623475	Dead Standing Tree	1
682	-14.89318499	141.619663	Dead Standing Tree	1
683	-14.90578299	141.623474	Dead Standing Tree	1
684	-14.89267102	141.619594	Dead Standing Tree	1
685	-14.90585499	141.623406	Dead Standing Tree	1
686	-14.89281996	141.619512	Dead Standing Tree	1
687	-14.90532702	141.623498	Dead Standing Tree	1
688	-14.893603	141.618831	Dead Standing Tree	1
689	-14.90533599	141.623984	Dead Standing Tree	1
690	-14.89339303	141.618941	Dead Standing Tree	1
691	-14.90498403	141.624337	Dead Standing Tree	1
692	-14.89337199	141.618964	Dead Standing Tree	1
693	-14.905079	141.624353	Dead Standing Tree	1
694	-14.89313202	141.618697	Dead Standing Tree	1
695	-14.90526499	141.625228	Dead Standing Tree	1
696	-14.90495	141.621553	Dead Standing Tree	1
697	-14.89316303	141.618815	Dead Standing Tree	1
698	-14.893387	141.618956	Dead Standing Tree	1
699	-14.90496601	141.623307	Dead Standing Tree	1
700	-14.90616001	141.621731	Dead Standing Tree	1
701	-14.89342497	141.618569	Dead Standing Tree	1
702	-14.89371297	141.618055	Dead Standing Tree	1
703	-14.89379704	141.618742	Dead Standing Tree	1
704	-14.89383803	141.619014	Dead Standing Tree	1
705	-14.895013	141.619328	Dead Standing Tree	1
706	-14.89384599	141.617278	Dead Standing Tree	1
707	-14.89359797	141.617431	Dead Standing Tree	1
708	-14.89374197	141.617529	Dead Standing Tree	1
709	-14.90501597	141.621997	Dead Standing Tree	1
710	-14.89367701	141.617718	Dead Standing Tree	1
711	-14.89409996	141.617799	Dead Standing Tree	1
712	-14.894005	141.618496	Dead Standing Tree	1
713	-14.89475702	141.619091	Dead Standing Tree	1
714	-14.89441303	141.618567	Dead Standing Tree	1
715	-14.894782	141.618541	Dead Standing Tree	1
716	-14.90451003	141.622427	Dead Standing Tree	1

Host tree no.	Latitude	Longitude	Host tree species	Cooktown orchid no. per host tree
717	-14.90461104	141.622702	Dead Standing Tree	1
718	-14.90434399	141.62122	Dead Standing Tree	1
719	-14.90622698	141.621763	Dead Standing Tree	1
720	-14.905065	141.622534	Dead Standing Tree	1
721	-14.904288	141.62236	Dead Standing Tree	1
722	-14.90656	141.62168	Dead Standing Tree	1
723	-14.904792	141.622343	Dead Standing Tree	1
724	-14.90437701	141.622676	Dead Standing Tree	1
725	-14.90658497	141.621819	Dead Standing Tree	1
726	-14.90477499	141.622581	Dead Standing Tree	1
727	-14.90472402	141.623571	Dead Standing Tree	1
728	-14.90612498	141.622207	Dead Standing Tree	1
729	-14.90480298	141.622379	Dead Standing Tree	1
730	-14.90451599	141.623534	Dead Standing Tree	1
731	-14.90646201	141.622149	Dead Standing Tree	1
732	-14.90458698	141.622403	Dead Standing Tree	1
733	-14.90457399	141.62383	Dead Standing Tree	1
734	-14.90639102	141.622326	Dead Standing Tree	1
735	-14.90478303	141.624287	Dead Standing Tree	1
736	-14.90627803	141.622874	Dead Standing Tree	1
737	-14.90430996	141.622169	Dead Standing Tree	2
738	-14.90453501	141.623182	Dead Standing Tree	2
739	-14.90587796	141.623115	Dead Standing Tree	2
740	-14.90480801	141.623698	Dead Standing Tree	2
741	-14.905582	141.623667	Dead Standing Tree	2
742	-14.89302599	141.619587	Dead Standing Tree	2
743	-14.89314904	141.618737	Dead Standing Tree	2
744	-14.89379	141.617337	Dead Standing Tree	2
745	-14.90573999	141.622783	Dead Standing Tree	2
746	-14.90527798	141.621984	Dead Standing Tree	3
747	-14.90478203	141.622476	Dead Standing Tree	3
748	-14.90526298	141.623701	Dead Standing Tree	3
749	-14.90511697	141.62232	Dead Standing Tree	4
750	-14.90540497	141.622555	Dead Standing Tree	4
751	-14.90433997	141.62179	Dead Standing Tree	6
752	-14.90446704	141.624025	Dead Standing Tree	6
753	-14.90596597	141.6215	Dead Standing Tree	6
754	-14.90537203	141.623787	<i>Sterculia quadrifida</i>	1
755	-14.90513499	141.624646	<i>Sterculia quadrifida</i>	1
756	-14.90493801	141.622611	<i>Sterculia quadrifida</i>	2
757	-14.90397803	141.623628	<i>Sterculia quadrifida</i>	2
758	-14.90531503	141.625151	<i>Sterculia quadrifida</i>	2
759	-14.90450299	141.624777	<i>Sterculia quadrifida</i>	2
760	-14.90548904	141.624068	<i>Sterculia quadrifida</i>	2
761	-14.90511596	141.622979	<i>Sterculia quadrifida</i>	3
762	-14.90440501	141.621415	<i>Sterculia quadrifida</i>	1
763	-14.90499702	141.622055	<i>Sterculia quadrifida</i>	1
764	-14.905353	141.621584	<i>Sterculia quadrifida</i>	2
765	-14.90567503	141.621924	<i>Sterculia quadrifida</i>	3
766	-14.90511403	141.621437	<i>Sterculia quadrifida</i>	1
767	-14.90536197	141.621485	<i>Sterculia quadrifida</i>	1

Host tree no.	Latitude	Longitude	Host tree species	Cooktown orchid no. per host tree
768	-14.90304999	141.623962	<i>Strychnos lucida</i>	1
769	-14.90307103	141.624261	<i>Strychnos lucida</i>	1
770	-14.89353896	141.620028	<i>Strychnos lucida</i>	1
771	-14.90556599	141.622999	<i>Strychnos lucida</i>	1
772	-14.90477499	141.621229	<i>Strychnos lucida</i>	1
773	-14.89502298	141.619254	<i>Strychnos lucida</i>	1
774	-14.89441001	141.619092	<i>Strychnos lucida</i>	1
775	-14.89457102	141.619809	<i>Strychnos lucida</i>	1
776	-14.89358297	141.618186	<i>Strychnos lucida</i>	1
777	-14.90511596	141.62121	<i>Strychnos lucida</i>	2
778	-14.90527597	141.62136	<i>Strychnos lucida</i>	2
779	-14.89342002	141.617988	<i>Strychnos lucida</i>	2
780	-14.90488303	141.621641	<i>Strychnos lucida</i>	2
781	-14.89344098	141.617813	<i>Strychnos lucida</i>	2
782	-14.89356997	141.618133	<i>Strychnos lucida</i>	2
783	-14.89362001	141.618561	<i>Strychnos lucida</i>	2
784	-14.90571602	141.621425	<i>Strychnos lucida</i>	3
785	-14.90450601	141.620954	<i>Strychnos lucida</i>	3
786	-14.90551896	141.621783	<i>Strychnos lucida</i>	3
787	-14.90551896	141.621783	<i>Strychnos lucida</i>	3
788	-14.90456603	141.621996	<i>Strychnos lucida</i>	3
789	-14.90456603	141.621996	<i>Strychnos lucida</i>	3
790	-14.90531201	141.621758	<i>Strychnos lucida</i>	3
791	-14.90531201	141.621758	<i>Strychnos lucida</i>	3
792	-14.90450601	141.620954	<i>Strychnos lucida</i>	3
793	-14.90562801	141.621642	<i>Strychnos lucida</i>	4
794	-14.90468002	141.624346	<i>Pavetta brownii</i>	1
795	-14.90349499	141.624559	<i>Syzygium suborbiculare</i>	1
796	-14.89334702	141.618531	<i>Terminalia muelleri</i>	1
797	-14.89377198	141.618988	<i>Terminalia muelleri</i>	1
798	-14.90668698	141.621812	<i>Terminalia muelleri</i>	1
799	-14.89498501	141.619089	<i>Terminalia muelleri</i>	1
800	-14.90615398	141.622454	<i>Terminalia muelleri</i>	1
801	-14.89456398	141.619455	<i>Terminalia muelleri</i>	1
802	-14.90612397	141.623382	<i>Terminalia muelleri</i>	1
803	-14.90574997	141.622989	<i>Terminalia muelleri</i>	1
804	-14.90583404	141.623408	<i>Terminalia muelleri</i>	1
805	-14.90549902	141.624031	<i>Terminalia muelleri</i>	1
806	-14.90489602	141.624937	<i>Terminalia muelleri</i>	1
807	-14.90478798	141.624579	<i>Terminalia muelleri</i>	1
808	-14.90498797	141.621088	<i>Terminalia muelleri</i>	1
809	-14.89539899	141.618205	<i>Terminalia muelleri</i>	2
810	-14.89411304	141.618725	<i>Terminalia muelleri</i>	2
811	-14.89503697	141.619154	<i>Terminalia muelleri</i>	2
812	-14.90469402	141.624881	<i>Terminalia muelleri</i>	2
813	-14.89363904	141.617589	<i>Terminalia muelleri</i>	3
814	-14.90509501	141.623781	<i>Terminalia muelleri</i>	3
815	-14.90609799	141.6224	<i>Terminalia muelleri</i>	4
816	-14.90494598	141.622776	<i>Terminalia muelleri</i>	1
817	-14.90461196	141.622392	<i>Terminalia muelleri</i>	1
818	-14.89310704	141.618564	<i>Terminalia muelleri</i>	1

Host tree no.	Latitude	Longitude	Host tree species	Cooktown orchid no. per host tree
819	-14.89546797	141.618236	<i>Terminalia muelleri</i>	1
820	-14.893689	141.617683	<i>Terminalia muelleri</i>	1
821	-14.89399703	141.617951	<i>Terminalia muelleri</i>	1
822	-14.89415897	141.617665	<i>Terminalia muelleri</i>	1
823	-14.90492804	141.622964	<i>Terminalia muelleri</i>	1
824	-14.90640803	141.622366	<i>Terminalia muelleri</i>	1
825	-14.90572298	141.622565	<i>Terminalia muelleri</i>	1
826	-14.90461196	141.622392	<i>Terminalia muelleri</i>	1
827	-14.90465202	141.623067	<i>Terminalia muelleri</i>	1
828	-14.904562	141.623432	<i>Terminalia muelleri</i>	1
829	-14.90606496	141.622455	<i>Terminalia muelleri</i>	1
830	-14.90380101	141.623043	<i>Terminalia muelleri</i>	1
831	-14.90368601	141.623269	<i>Terminalia muelleri</i>	1
832	-14.90318402	141.624393	<i>Terminalia muelleri</i>	1
833	-14.89326001	141.619857	<i>Terminalia muelleri</i>	1
834	-14.89290101	141.61953	<i>Terminalia muelleri</i>	1
835	-14.89364197	141.618992	<i>Terminalia muelleri</i>	1
836	-14.89348398	141.61893	<i>Terminalia muelleri</i>	1
837	-14.90494598	141.621082	<i>Terminalia muelleri</i>	2
838	-14.904231	141.621191	<i>Terminalia muelleri</i>	2
839	-14.90384803	141.623781	<i>Terminalia muelleri</i>	2
840	-14.90457701	141.621945	<i>Terminalia muelleri</i>	2
841	-14.90380998	141.624124	<i>Terminalia muelleri</i>	2
842	-14.89319002	141.618363	<i>Terminalia muelleri</i>	2
843	-14.89331902	141.617989	<i>Terminalia muelleri</i>	2
844	-14.89363401	141.61805	<i>Terminalia muelleri</i>	2
845	-14.90420401	141.62282	<i>Terminalia muelleri</i>	2
846	-14.90429504	141.621132	<i>Terminalia muelleri</i>	3
847	-14.89356201	141.617762	<i>Terminalia muelleri</i>	3
848	-14.90403897	141.62389	<i>Terminalia muelleri</i>	3
849	-14.90461104	141.621975	<i>Terminalia muelleri</i>	4
850	-14.90522501	141.621951	<i>Terminalia muelleri</i>	4
851	-14.89389402	141.617979	<i>Ficus virens</i>	5

Appendix B Orchids within Lot and Essential Clearing Boundaries (December 2025)

Site	Host Tree ID	Latitude	Longitude	Number of orchids per tree	Location
Southern Expansion Area	740	-14.9033	141.6234	5	Within lot boundaries
Southern Expansion Area	742	-14.9036	141.6232	1	Within lot boundaries
Southern Expansion Area	743	-14.9038	141.6234	6	Within lot boundaries
Southern Expansion Area	744	-14.9038	141.6234	3	Within lot boundaries
Southern Expansion Area	745	-14.904	141.6236	3	Within lot boundaries
Southern Expansion Area	746	-14.9039	141.6236	3	Within lot boundaries
Southern Expansion Area	485	-14.9042	141.6228	3	Within lot boundaries
Southern Expansion Area	486	-14.9042	141.6228	1	Within lot boundaries
Southern Expansion Area	487	-14.9043	141.6228	3	Within lot boundaries
Southern Expansion Area	488	-14.9043	141.6228	5	Within lot boundaries
Southern Expansion Area	512	-14.9044	141.6229	6	Within lot boundaries
Southern Expansion Area	518	-14.9042	141.6231	6	Within lot boundaries
Southern Expansion Area	531	-14.9042	141.6232	1	Within lot boundaries
Southern Expansion Area	532	-14.9042	141.6232	5	Within lot boundaries
Southern Expansion Area	533	-14.904	141.6231	12	Within lot boundaries
Southern Expansion Area	534	-14.9039	141.623	2	Within lot boundaries
Southern Expansion Area	535	-14.9039	141.6229	1	Within lot boundaries
Southern Expansion Area	536	-14.9038	141.6233	2	Within lot boundaries
Southern Expansion Area	537	-14.9039	141.6234	1	Within lot boundaries
Southern Expansion Area	538	-14.9042	141.6235	1	Within lot boundaries
Southern Expansion Area	547	-14.904	141.6236	1	Within lot boundaries
Southern Expansion Area	548	-14.904	141.6237	3	Within lot boundaries
Southern Expansion Area	549	-14.9038	141.6236	9	Within lot boundaries
Southern Expansion Area	550	-14.9038	141.6236	1	Within lot boundaries
Southern Expansion Area	551	-14.9036	141.6237	1	Within lot boundaries
Southern Expansion Area	698	-14.9043	141.6233	1	Within lot boundaries
Southern Expansion Area	699	-14.9043	141.6233	1	Within lot boundaries
Southern Expansion Area	700	-14.9041	141.6232	1	Within lot boundaries
Southern Expansion Area	701	-14.904	141.6231	1	Within lot boundaries
Southern Expansion Area	702	-14.9039	141.623	1	Within lot boundaries
Southern Expansion Area	703	-14.9039	141.623	1	Within lot boundaries
Southern Expansion Area	704	-14.9039	141.6232	1	Within lot boundaries
Southern Expansion Area	705	-14.9039	141.6232	1	Within lot boundaries
Southern Expansion Area	706	-14.9041	141.6234	1	Within lot boundaries
Southern Expansion Area	707	-14.9041	141.6234	4	Within lot boundaries
Southern Expansion Area	708	-14.9042	141.6235	1	Within lot boundaries
Southern Expansion Area	709	-14.9042	141.6235	3	Within lot boundaries
Southern Expansion Area	710	-14.9042	141.6235	5	Within lot boundaries
Southern Expansion Area	724	-14.9038	141.6235	1	Within lot boundaries
Southern Expansion Area	725	-14.9037	141.6235	4	Within lot boundaries
Southern Expansion Area	803	-14.9037	141.623	1	Within lot boundaries
Southern Expansion Area	951	-14.9036	141.6232	1	Within lot boundaries
Southern Expansion Area	952	-14.9037	141.6233	3	Within lot boundaries
Southern Expansion Area	953	-14.9038	141.6234	1	Within lot boundaries
Southern Expansion Area	954	-14.904	141.6236	1	Within lot boundaries
Southern Expansion Area	478	-14.9044	141.6226	1	Within lot boundaries
Southern Expansion Area	479	-14.9043	141.6225	1	Within lot boundaries
Southern Expansion Area	480	-14.9043	141.6225	3	Within lot boundaries
Southern Expansion Area	481	-14.9042	141.6225	1	Within lot boundaries
Southern Expansion Area	482	-14.9042	141.6225	3	Within lot boundaries
Southern Expansion Area	483	-14.904	141.6226	1	Within lot boundaries
Southern Expansion Area	484	-14.904	141.6226	1	Within lot boundaries
Southern Expansion Area	489	-14.9044	141.6229	3	Within lot boundaries
Southern Expansion Area	490	-14.9045	141.6229	2	Within lot boundaries
Southern Expansion Area	491	-14.9045	141.6229	5	Within lot boundaries

Site	Host Tree ID	Latitude	Longitude	Number of orchids per tree	Location
Southern Expansion Area	492	-14.9045	141.6229	3	Within lot boundaries
Southern Expansion Area	511	-14.9044	141.6229	3	Within lot boundaries
Southern Expansion Area	621	-14.9045	141.6226	1	Within lot boundaries
Southern Expansion Area	622	-14.9044	141.6226	1	Within lot boundaries
Southern Expansion Area	623	-14.9043	141.6226	4	Within lot boundaries
Southern Expansion Area	624	-14.904	141.6224	1	Within lot boundaries
Southern Expansion Area	625	-14.9039	141.6225	4	Within lot boundaries
Southern Expansion Area	626	-14.9041	141.6225	1	Within lot boundaries
Southern Expansion Area	627	-14.9041	141.6225	1	Within lot boundaries
Southern Expansion Area	628	-14.9042	141.6226	1	Within lot boundaries
Southern Expansion Area	629	-14.9043	141.6227	5	Within lot boundaries
Southern Expansion Area	630	-14.9043	141.6227	3	Within lot boundaries
Southern Expansion Area	631	-14.9043	141.6227	1	Within lot boundaries
Southern Expansion Area	632	-14.9044	141.6227	1	Within lot boundaries
Southern Expansion Area	633	-14.9046	141.6228	4	Within lot boundaries
Southern Expansion Area	634	-14.9046	141.6228	2	Within lot boundaries
Southern Expansion Area	658	-14.904	141.6227	1	Within lot boundaries
Southern Expansion Area	960	-14.9037	141.6225	1	Within lot boundaries
Southern Expansion Area	747	-14.9037	141.6239	7	Within lot boundaries
Southern Expansion Area	748	-14.9037	141.624	3	Within lot boundaries
Southern Expansion Area	749	-14.9035	141.6239	6	Within lot boundaries
Southern Expansion Area	750	-14.9035	141.6239	3	Within lot boundaries
Southern Expansion Area	751	-14.9033	141.6238	1	Within lot boundaries
Southern Expansion Area	752	-14.9032	141.6238	1	Within lot boundaries
Southern Expansion Area	753	-14.9032	141.6238	4	Within lot boundaries
Southern Expansion Area	754	-14.9032	141.6238	1	Within lot boundaries
Southern Expansion Area	755	-14.9032	141.6237	6	Within lot boundaries
Southern Expansion Area	756	-14.9033	141.6238	1	Within lot boundaries
Southern Expansion Area	552	-14.9036	141.6238	1	Within lot boundaries
Southern Expansion Area	553	-14.9037	141.6238	1	Within lot boundaries
Southern Expansion Area	554	-14.9038	141.6239	1	Within lot boundaries
Southern Expansion Area	565	-14.9039	141.6241	2	Within lot boundaries
Southern Expansion Area	566	-14.9038	141.624	1	Within lot boundaries
Southern Expansion Area	567	-14.9038	141.624	3	Within lot boundaries
Southern Expansion Area	568	-14.9037	141.6241	12	Within lot boundaries
Southern Expansion Area	569	-14.9036	141.624	3	Within lot boundaries
Southern Expansion Area	571	-14.9036	141.624	1	Within lot boundaries
Southern Expansion Area	572	-14.9036	141.624	2	Within lot boundaries
Southern Expansion Area	573	-14.9036	141.624	1	Within lot boundaries
Southern Expansion Area	574	-14.9036	141.624	3	Within lot boundaries
Southern Expansion Area	575	-14.9033	141.6239	1	Within lot boundaries
Southern Expansion Area	576	-14.9033	141.6239	1	Within lot boundaries
Southern Expansion Area	753	-14.9039	141.6241	5	Within lot boundaries
Southern Expansion Area	754	-14.9039	141.6241	1	Within lot boundaries
Southern Expansion Area	755	-14.9038	141.6241	1	Within lot boundaries
Southern Expansion Area	756	-14.9038	141.6241	1	Within lot boundaries
Southern Expansion Area	757	-14.9038	141.6241	1	Within lot boundaries
Southern Expansion Area	764	-14.9035	141.624	2	Within lot boundaries
Southern Expansion Area	765	-14.9035	141.6239	1	Within lot boundaries
Southern Expansion Area	766	-14.9035	141.6239	2	Within lot boundaries
Southern Expansion Area	767	-14.9034	141.6239	1	Within lot boundaries
Southern Expansion Area	802	-14.9032	141.6238	2	Within lot boundaries
Southern Expansion Area	955	-14.9037	141.6239	6	Within lot boundaries
Southern Expansion Area	956	-14.9034	141.6238	3	Within lot boundaries
Southern Expansion Area	957	-14.9032	141.6237	1	Within lot boundaries
Southern Expansion Area	741	-14.9033	141.6233	7	Within essential clearing buffer only
Southern Expansion Area	757	-14.903	141.6239	1	Within essential clearing buffer only

[illegible]

[illegible]

Site	Host Tree ID	Latitude	Longitude	Number of orchids per tree	Location
Southern Expansion Area	731	-14.9038	141.6238	1	Within essential clearing buffer only
Southern Expansion Area	732	-14.9038	141.6238	2	Within essential clearing buffer only
Southern Expansion Area	733	-14.9038	141.6238	3	Within essential clearing buffer only
Southern Expansion Area	734	-14.9039	141.6239	1	Within essential clearing buffer only
Southern Expansion Area	735	-14.9039	141.6239	1	Within essential clearing buffer only
Southern Expansion Area	736	-14.904	141.6239	4	Within essential clearing buffer only
Southern Expansion Area	737	-14.904	141.6239	1	Within essential clearing buffer only
Southern Expansion Area	738	-14.9041	141.6239	1	Within essential clearing buffer only
Southern Expansion Area	739	-14.9041	141.6239	3	Within essential clearing buffer only
Southern Expansion Area	740	-14.9042	141.6238	3	Within essential clearing buffer only
Southern Expansion Area	741	-14.9043	141.6238	1	Within essential clearing buffer only
Southern Expansion Area	743	-14.9043	141.6238	1	Within essential clearing buffer only
Southern Expansion Area	751	-14.904	141.624	4	Within essential clearing buffer only
Southern Expansion Area	752	-14.904	141.624	10	Within essential clearing buffer only
Southern Expansion Area	758	-14.9037	141.6241	3	Within essential clearing buffer only
Southern Expansion Area	759	-14.9037	141.6241	1	Within essential clearing buffer only
Southern Expansion Area	760	-14.9036	141.6241	1	Within essential clearing buffer only
Southern Expansion Area	761	-14.9036	141.6241	2	Within essential clearing buffer only
Southern Expansion Area	762	-14.9036	141.6241	1	Within essential clearing buffer only
Southern Expansion Area	763	-14.9035	141.624	1	Within essential clearing buffer only
Southern Expansion Area	768	-14.9032	141.624	1	Within essential clearing buffer only
Southern Expansion Area	769	-14.9032	141.624	1	Within essential clearing buffer only
Southern Expansion Area	770	-14.9033	141.6241	3	Within essential clearing buffer only
Southern Expansion Area	771	-14.9035	141.6241	3	Within essential clearing buffer only
Southern Expansion Area	772	-14.9035	141.6241	1	Within essential clearing buffer only
Southern Expansion Area	773	-14.9037	141.6242	1	Within essential clearing buffer only
Southern Expansion Area	774	-14.9038	141.6242	1	Within essential clearing buffer only
Southern Expansion Area	775	-14.9039	141.6242	1	Within essential clearing buffer only
Southern Expansion Area	799	-14.903	141.624	1	Within essential clearing buffer only
Southern Expansion Area	800	-14.9031	141.6239	4	Within essential clearing buffer only
Southern Expansion Area	801	-14.9031	141.6239	1	Within essential clearing buffer only
Southern Expansion Area	958	-14.9029	141.6239	1	Within essential clearing buffer only
Northern Expansion Area	57	-14.8931	141.6188	5	Within lot boundaries
Northern Expansion Area	58	-14.8931	141.6188	2	Within lot boundaries
Northern Expansion Area	59	-14.8931	141.6188	2	Within lot boundaries
Northern Expansion Area	60	-14.8931	141.6188	2	Within lot boundaries
Northern Expansion Area	65	-14.8931	141.6187	1	Within lot boundaries
Northern Expansion Area	66	-14.8931	141.6187	2	Within lot boundaries
Northern Expansion Area	67	-14.8931	141.6186	2	Within lot boundaries
Northern Expansion Area	68	-14.8931	141.6186	7	Within lot boundaries
Northern Expansion Area	170	-14.8928	141.6186	3	Within lot boundaries
Northern Expansion Area	172	-14.8929	141.6187	1	Within lot boundaries
Northern Expansion Area	173	-14.8928	141.6186	4	Within lot boundaries
Northern Expansion Area	174	-14.8928	141.6186	1	Within lot boundaries
Northern Expansion Area	186	-14.8929	141.6186	1	Within lot boundaries
Northern Expansion Area	189	-14.8931	141.6186	1	Within lot boundaries
Northern Expansion Area	190	-14.8932	141.6186	2	Within lot boundaries
Northern Expansion Area	339	-14.8929	141.6184	3	Within lot boundaries
Northern Expansion Area	340	-14.893	141.6182	3	Within lot boundaries
Northern Expansion Area	341	-14.893	141.6182	1	Within lot boundaries
Northern Expansion Area	368	-14.8932	141.6183	3	Within lot boundaries
Northern Expansion Area	369	-14.8932	141.6184	3	Within lot boundaries
Northern Expansion Area	324	-14.8928	141.6181	1	Within lot boundaries
Northern Expansion Area	336	-14.8929	141.6183	2	Within lot boundaries
Northern Expansion Area	337	-14.8928	141.6183	1	Within lot boundaries
Northern Expansion Area	338	-14.8928	141.6183	3	Within lot boundaries
Northern Expansion Area	339	-14.8929	141.6182	2	Within lot boundaries

Site	Host Tree ID	Latitude	Longitude	Number of orchids per tree	Location
Northern Expansion Area	340	-14.8929	141.6181	4	Within lot boundaries
Northern Expansion Area	348	-14.8935	141.6175	1	Within lot boundaries
Northern Expansion Area	349	-14.8934	141.6174	3	Within lot boundaries
Northern Expansion Area	350	-14.8934	141.6173	1	Within lot boundaries
Northern Expansion Area	351	-14.8934	141.6173	1	Within lot boundaries
Northern Expansion Area	356	-14.8936	141.6174	2	Within lot boundaries
Northern Expansion Area	359	-14.8935	141.6176	3	Within lot boundaries
Northern Expansion Area	302	-14.8932	141.6173	1	Within lot boundaries
Northern Expansion Area	303	-14.8932	141.6174	1	Within lot boundaries
Northern Expansion Area	304	-14.8932	141.6174	2	Within lot boundaries
Northern Expansion Area	344	-14.8933	141.6175	1	Within lot boundaries
Northern Expansion Area	345	-14.8933	141.6175	2	Within lot boundaries
Northern Expansion Area	346	-14.8934	141.6174	1	Within lot boundaries
Northern Expansion Area	347	-14.8934	141.6173	4	Within lot boundaries
Northern Expansion Area	352	-14.8935	141.6172	1	Within lot boundaries
Northern Expansion Area	353	-14.8936	141.6172	1	Within lot boundaries
Northern Expansion Area	354	-14.8937	141.6173	1	Within lot boundaries
Northern Expansion Area	291	-14.8934	141.6171	1	Within lot boundaries
Northern Expansion Area	292	-14.8934	141.6171	1	Within lot boundaries
Northern Expansion Area	293	-14.8933	141.6171	3	Within lot boundaries
Northern Expansion Area	294	-14.8933	141.6171	1	Within lot boundaries
Northern Expansion Area	180	-14.8927	141.6185	2	Within lot boundaries
Northern Expansion Area	181	-14.8928	141.6185	3	Within lot boundaries
Northern Expansion Area	182	-14.8928	141.6185	3	Within lot boundaries
Northern Expansion Area	183	-14.8928	141.6185	3	Within lot boundaries
Northern Expansion Area	184	-14.8928	141.6185	1	Within lot boundaries
Northern Expansion Area	185	-14.8928	141.6185	2	Within lot boundaries
Northern Expansion Area	187	-14.893	141.6185	2	Within lot boundaries
Northern Expansion Area	188	-14.8931	141.6185	7	Within lot boundaries
Northern Expansion Area	329	-14.8928	141.6184	1	Within lot boundaries
Northern Expansion Area	330	-14.8928	141.6184	2	Within lot boundaries
Northern Expansion Area	331	-14.8928	141.6183	1	Within lot boundaries
Northern Expansion Area	332	-14.8928	141.6183	2	Within lot boundaries
Northern Expansion Area	333	-14.8928	141.6183	1	Within lot boundaries
Northern Expansion Area	334	-14.8928	141.6183	1	Within lot boundaries
Northern Expansion Area	335	-14.8928	141.6183	1	Within lot boundaries
Northern Expansion Area	122	-14.8948	141.6195	2	Within lot boundaries
Northern Expansion Area	123	-14.8949	141.6195	2	Within lot boundaries
Northern Expansion Area	124	-14.8948	141.6194	2	Within lot boundaries
Northern Expansion Area	125	-14.895	141.6192	2	Within lot boundaries
Northern Expansion Area	126	-14.895	141.6192	1	Within lot boundaries
Northern Expansion Area	127	-14.895	141.6192	1	Within lot boundaries
Northern Expansion Area	130	-14.8947	141.6192	1	Within lot boundaries
Northern Expansion Area	131	-14.8947	141.6192	1	Within lot boundaries
Northern Expansion Area	132	-14.8947	141.6192	1	Within lot boundaries
Northern Expansion Area	229	-14.8948	141.6194	1	Within lot boundaries
Northern Expansion Area	230	-14.8947	141.6193	1	Within lot boundaries
Northern Expansion Area	133	-14.8945	141.6193	1	Within lot boundaries
Northern Expansion Area	134	-14.8945	141.6193	2	Within lot boundaries
Northern Expansion Area	224	-14.8945	141.6191	3	Within lot boundaries
Northern Expansion Area	225	-14.8945	141.6192	1	Within lot boundaries
Northern Expansion Area	226	-14.8945	141.6193	1	Within lot boundaries
Northern Expansion Area	227	-14.8946	141.6194	1	Within lot boundaries
Northern Expansion Area	136	-14.8944	141.6193	2	Within lot boundaries
Northern Expansion Area	221	-14.8943	141.6189	4	Within lot boundaries
Northern Expansion Area	222	-14.8943	141.6189	4	Within lot boundaries
Northern Expansion Area	223	-14.8943	141.619	4	Within lot boundaries

Site	Host Tree ID	Latitude	Longitude	Number of orchids per tree	Location
Northern Expansion Area	104	-14.8941	141.6192	1	Within lot boundaries
Northern Expansion Area	137	-14.8943	141.6192	5	Within lot boundaries
Northern Expansion Area	138	-14.8943	141.6192	1	Within lot boundaries
Northern Expansion Area	139	-14.8943	141.6192	1	Within lot boundaries
Northern Expansion Area	140	-14.8943	141.6192	1	Within lot boundaries
Northern Expansion Area	141	-14.8942	141.6191	2	Within lot boundaries
Northern Expansion Area	142	-14.8942	141.6191	2	Within lot boundaries
Northern Expansion Area	143	-14.8942	141.6191	2	Within lot boundaries
Northern Expansion Area	144	-14.8942	141.6191	5	Within lot boundaries
Northern Expansion Area	145	-14.8942	141.6191	2	Within lot boundaries
Northern Expansion Area	146	-14.8942	141.6191	1	Within lot boundaries
Northern Expansion Area	147	-14.8942	141.6191	2	Within lot boundaries
Northern Expansion Area	148	-14.8941	141.6191	2	Within lot boundaries
Northern Expansion Area	149	-14.8941	141.619	2	Within lot boundaries
Northern Expansion Area	219	-14.8942	141.619	3	Within lot boundaries
Northern Expansion Area	220	-14.8942	141.6189	6	Within lot boundaries
Northern Expansion Area	150	-14.894	141.6189	1	Within lot boundaries
Northern Expansion Area	151	-14.894	141.6189	3	Within lot boundaries
Northern Expansion Area	152	-14.894	141.6189	3	Within lot boundaries
Northern Expansion Area	153	-14.894	141.6189	2	Within lot boundaries
Northern Expansion Area	154	-14.894	141.619	4	Within lot boundaries
Northern Expansion Area	155	-14.8939	141.619	2	Within lot boundaries
Northern Expansion Area	156	-14.8939	141.619	1	Within lot boundaries
Northern Expansion Area	212	-14.8939	141.6187	2	Within lot boundaries
Northern Expansion Area	213	-14.8939	141.6187	1	Within lot boundaries
Northern Expansion Area	214	-14.8939	141.6187	2	Within lot boundaries
Northern Expansion Area	215	-14.8939	141.6187	2	Within lot boundaries
Northern Expansion Area	217	-14.894	141.6187	1	Within lot boundaries
Northern Expansion Area	218	-14.8941	141.6189	2	Within lot boundaries
Northern Expansion Area	379	-14.8939	141.6178	3	Within lot boundaries
Northern Expansion Area	388	-14.894	141.618	1	Within lot boundaries
Northern Expansion Area	357	-14.8937	141.6177	1	Within lot boundaries
Northern Expansion Area	358	-14.8937	141.6178	1	Within lot boundaries
Northern Expansion Area	380	-14.8938	141.6178	1	Within lot boundaries
Northern Expansion Area	381	-14.8938	141.6177	1	Within lot boundaries
Northern Expansion Area	382	-14.8938	141.6177	2	Within lot boundaries
Northern Expansion Area	457	-14.8936	141.6189	1	Within lot boundaries
Northern Expansion Area	76	-14.8934	141.6187	10	Within lot boundaries
Northern Expansion Area	77	-14.8934	141.6187	4	Within lot boundaries
Northern Expansion Area	78	-14.8934	141.6187	1	Within lot boundaries
Northern Expansion Area	79	-14.8934	141.6187	3	Within lot boundaries
Northern Expansion Area	80	-14.8935	141.6187	3	Within lot boundaries
Northern Expansion Area	81	-14.8935	141.6187	2	Within lot boundaries
Northern Expansion Area	82	-14.8935	141.6187	2	Within lot boundaries
Northern Expansion Area	83	-14.8935	141.6187	4	Within lot boundaries
Northern Expansion Area	84	-14.8936	141.6188	5	Within lot boundaries
Northern Expansion Area	85	-14.8935	141.6187	2	Within lot boundaries
Northern Expansion Area	86	-14.8937	141.6188	2	Within lot boundaries
Northern Expansion Area	87	-14.8937	141.6188	2	Within lot boundaries
Northern Expansion Area	88	-14.8937	141.6188	2	Within lot boundaries
Northern Expansion Area	89	-14.8937	141.6189	1	Within lot boundaries
Northern Expansion Area	90	-14.8937	141.6189	2	Within lot boundaries
Northern Expansion Area	91	-14.8937	141.6189	3	Within lot boundaries
Northern Expansion Area	92	-14.8937	141.6189	2	Within lot boundaries
Northern Expansion Area	157	-14.8938	141.619	3	Within lot boundaries
Northern Expansion Area	203	-14.8934	141.6186	1	Within lot boundaries
Northern Expansion Area	204	-14.8936	141.6186	2	Within lot boundaries

Site	Host Tree ID	Latitude	Longitude	Number of orchids per tree	Location
Northern Expansion Area	205	-14.8936	141.6187	5	Within lot boundaries
Northern Expansion Area	206	-14.8937	141.6186	1	Within lot boundaries
Northern Expansion Area	207	-14.8937	141.6187	2	Within lot boundaries
Northern Expansion Area	208	-14.8938	141.6187	1	Within lot boundaries
Northern Expansion Area	209	-14.8938	141.6187	2	Within lot boundaries
Northern Expansion Area	210	-14.8939	141.6187	5	Within lot boundaries
Northern Expansion Area	211	-14.8939	141.6187	3	Within lot boundaries
Northern Expansion Area	478	-14.8935	141.6189	1	Within lot boundaries
Northern Expansion Area	479	-14.8935	141.6189	3	Within lot boundaries
Northern Expansion Area	370	-14.8934	141.6185	1	Within lot boundaries
Northern Expansion Area	395	-14.8938	141.6185	3	Within lot boundaries
Northern Expansion Area	74	-14.8933	141.6187	6	Within lot boundaries
Northern Expansion Area	75	-14.8933	141.6187	3	Within lot boundaries
Northern Expansion Area	201	-14.8934	141.6185	4	Within lot boundaries
Northern Expansion Area	202	-14.8934	141.6185	4	Within lot boundaries
Northern Expansion Area	372	-14.8935	141.6183	3	Within lot boundaries
Northern Expansion Area	216	-14.894	141.6187	1	Within lot boundaries
Northern Expansion Area	300	-14.8939	141.6171	3	Within essential clearing buffer only
Northern Expansion Area	301	-14.8939	141.6171	3	Within essential clearing buffer only
Northern Expansion Area	302	-14.8939	141.6172	1	Within essential clearing buffer only
Northern Expansion Area	303	-14.8938	141.6172	1	Within essential clearing buffer only
Northern Expansion Area	304	-14.8938	141.6172	1	Within essential clearing buffer only
Northern Expansion Area	305	-14.8938	141.6172	1	Within essential clearing buffer only
Northern Expansion Area	306	-14.8936	141.6171	1	Within essential clearing buffer only
Northern Expansion Area	307	-14.8936	141.617	1	Within essential clearing buffer only
Northern Expansion Area	308	-14.8936	141.617	2	Within essential clearing buffer only
Northern Expansion Area	309	-14.8937	141.6171	1	Within essential clearing buffer only
Northern Expansion Area	310	-14.8936	141.6169	1	Within essential clearing buffer only
Northern Expansion Area	311	-14.8935	141.617	1	Within essential clearing buffer only
Northern Expansion Area	312	-14.8934	141.617	1	Within essential clearing buffer only
Northern Expansion Area	316	-14.8932	141.6169	1	Within essential clearing buffer only
Northern Expansion Area	317	-14.8932	141.6169	1	Within essential clearing buffer only
Northern Expansion Area	318	-14.8932	141.617	1	Within essential clearing buffer only
Northern Expansion Area	319	-14.8932	141.617	6	Within essential clearing buffer only
Northern Expansion Area	320	-14.8931	141.6172	1	Within essential clearing buffer only
Northern Expansion Area	321	-14.8931	141.6173	1	Within essential clearing buffer only
Northern Expansion Area	322	-14.8931	141.6173	2	Within essential clearing buffer only
Northern Expansion Area	323	-14.8931	141.6174	3	Within essential clearing buffer only
Northern Expansion Area	324	-14.8931	141.6174	4	Within essential clearing buffer only
Northern Expansion Area	325	-14.893	141.6175	3	Within essential clearing buffer only
Northern Expansion Area	335	-14.8927	141.618	1	Within essential clearing buffer only
Northern Expansion Area	336	-14.8927	141.6182	1	Within essential clearing buffer only
Northern Expansion Area	337	-14.8927	141.6183	1	Within essential clearing buffer only
Northern Expansion Area	338	-14.8927	141.6183	2	Within essential clearing buffer only
Northern Expansion Area	342	-14.893	141.6181	2	Within essential clearing buffer only
Northern Expansion Area	343	-14.8931	141.6181	1	Within essential clearing buffer only
Northern Expansion Area	344	-14.8931	141.618	1	Within essential clearing buffer only
Northern Expansion Area	347	-14.8934	141.6176	1	Within essential clearing buffer only
Northern Expansion Area	355	-14.8937	141.6173	10	Within essential clearing buffer only
Northern Expansion Area	357	-14.8936	141.6175	5	Within essential clearing buffer only
Northern Expansion Area	358	-14.8936	141.6176	4	Within essential clearing buffer only
Northern Expansion Area	360	-14.8935	141.6177	1	Within essential clearing buffer only
Northern Expansion Area	361	-14.8936	141.6178	5	Within essential clearing buffer only
Northern Expansion Area	362	-14.8936	141.6178	7	Within essential clearing buffer only
Northern Expansion Area	364	-14.8934	141.6181	3	Within essential clearing buffer only
Northern Expansion Area	365	-14.8934	141.6181	5	Within essential clearing buffer only
Northern Expansion Area	366	-14.8934	141.6181	1	Within essential clearing buffer only

Site	Host Tree ID	Latitude	Longitude	Number of orchids per tree	Location
Northern Expansion Area	367	-14.8933	141.6182	2	Within essential clearing buffer only
Northern Expansion Area	373	-14.8936	141.6183	1	Within essential clearing buffer only
Northern Expansion Area	374	-14.8936	141.6183	9	Within essential clearing buffer only
Northern Expansion Area	375	-14.8936	141.6183	1	Within essential clearing buffer only
Northern Expansion Area	376	-14.8937	141.6181	3	Within essential clearing buffer only
Northern Expansion Area	377	-14.8937	141.6181	1	Within essential clearing buffer only
Northern Expansion Area	378	-14.8937	141.6181	3	Within essential clearing buffer only
Northern Expansion Area	380	-14.8939	141.6177	1	Within essential clearing buffer only
Northern Expansion Area	381	-14.8939	141.6177	1	Within essential clearing buffer only
Northern Expansion Area	382	-14.8939	141.6177	2	Within essential clearing buffer only
Northern Expansion Area	385	-14.8941	141.6177	2	Within essential clearing buffer only
Northern Expansion Area	386	-14.8941	141.6178	1	Within essential clearing buffer only
Northern Expansion Area	387	-14.8941	141.618	4	Within essential clearing buffer only
Northern Expansion Area	389	-14.894	141.618	4	Within essential clearing buffer only
Northern Expansion Area	390	-14.894	141.6181	5	Within essential clearing buffer only
Northern Expansion Area	391	-14.894	141.6181	2	Within essential clearing buffer only
Northern Expansion Area	392	-14.8939	141.6184	1	Within essential clearing buffer only
Northern Expansion Area	393	-14.8939	141.6184	1	Within essential clearing buffer only
Northern Expansion Area	394	-14.8939	141.6185	3	Within essential clearing buffer only
Northern Expansion Area	396	-14.8942	141.6186	1	Within essential clearing buffer only
Northern Expansion Area	456	-14.8936	141.6191	1	Within essential clearing buffer only
Northern Expansion Area	53	-14.8927	141.619	2	Within essential clearing buffer only
Northern Expansion Area	54	-14.8928	141.619	2	Within essential clearing buffer only
Northern Expansion Area	55	-14.893	141.619	1	Within essential clearing buffer only
Northern Expansion Area	56	-14.8931	141.6188	3	Within essential clearing buffer only
Northern Expansion Area	61	-14.8931	141.6188	3	Within essential clearing buffer only
Northern Expansion Area	62	-14.8932	141.6188	4	Within essential clearing buffer only
Northern Expansion Area	63	-14.8932	141.6188	2	Within essential clearing buffer only
Northern Expansion Area	64	-14.8932	141.6188	3	Within essential clearing buffer only
Northern Expansion Area	69	-14.8932	141.6187	5	Within essential clearing buffer only
Northern Expansion Area	70	-14.8933	141.6187	2	Within essential clearing buffer only
Northern Expansion Area	71	-14.8933	141.6187	9	Within essential clearing buffer only
Northern Expansion Area	72	-14.8933	141.6187	6	Within essential clearing buffer only
Northern Expansion Area	73	-14.8933	141.6186	1	Within essential clearing buffer only
Northern Expansion Area	93	-14.8936	141.619	3	Within essential clearing buffer only
Northern Expansion Area	94	-14.8938	141.6191	4	Within essential clearing buffer only
Northern Expansion Area	95	-14.8939	141.6192	1	Within essential clearing buffer only
Northern Expansion Area	96	-14.8939	141.6192	3	Within essential clearing buffer only
Northern Expansion Area	97	-14.8939	141.6191	3	Within essential clearing buffer only
Northern Expansion Area	98	-14.894	141.6192	2	Within essential clearing buffer only
Northern Expansion Area	99	-14.894	141.6192	1	Within essential clearing buffer only
Northern Expansion Area	100	-14.894	141.6192	1	Within essential clearing buffer only
Northern Expansion Area	101	-14.8941	141.6192	1	Within essential clearing buffer only
Northern Expansion Area	102	-14.8941	141.6192	1	Within essential clearing buffer only
Northern Expansion Area	103	-14.8941	141.6192	1	Within essential clearing buffer only
Northern Expansion Area	105	-14.8941	141.6192	2	Within essential clearing buffer only
Northern Expansion Area	106	-14.8941	141.6192	1	Within essential clearing buffer only
Northern Expansion Area	107	-14.8941	141.6192	3	Within essential clearing buffer only
Northern Expansion Area	108	-14.8941	141.6192	1	Within essential clearing buffer only
Northern Expansion Area	109	-14.8943	141.6194	2	Within essential clearing buffer only
Northern Expansion Area	110	-14.8943	141.6194	1	Within essential clearing buffer only
Northern Expansion Area	111	-14.8943	141.6195	2	Within essential clearing buffer only
Northern Expansion Area	112	-14.8943	141.6195	2	Within essential clearing buffer only
Northern Expansion Area	113	-14.8944	141.6195	2	Within essential clearing buffer only
Northern Expansion Area	114	-14.8944	141.6195	2	Within essential clearing buffer only
Northern Expansion Area	115	-14.8944	141.6195	1	Within essential clearing buffer only
Northern Expansion Area	116	-14.8944	141.6196	4	Within essential clearing buffer only

Site	Host Tree ID	Latitude	Longitude	Number of orchids per tree	Location
Northern Expansion Area	117	-14.8944	141.6196	1	Within essential clearing buffer only
Northern Expansion Area	119	-14.8946	141.6196	2	Within essential clearing buffer only
Northern Expansion Area	120	-14.8947	141.6196	2	Within essential clearing buffer only
Northern Expansion Area	121	-14.8948	141.6196	2	Within essential clearing buffer only
Northern Expansion Area	128	-14.895	141.6191	3	Within essential clearing buffer only
Northern Expansion Area	129	-14.895	141.6191	2	Within essential clearing buffer only
Northern Expansion Area	135	-14.8944	141.6194	5	Within essential clearing buffer only
Northern Expansion Area	160	-14.8926	141.6183	1	Within essential clearing buffer only
Northern Expansion Area	161	-14.8926	141.6183	2	Within essential clearing buffer only
Northern Expansion Area	162	-14.8926	141.6184	3	Within essential clearing buffer only
Northern Expansion Area	163	-14.8926	141.6184	3	Within essential clearing buffer only
Northern Expansion Area	164	-14.8926	141.6184	5	Within essential clearing buffer only
Northern Expansion Area	165	-14.8926	141.6186	3	Within essential clearing buffer only
Northern Expansion Area	166	-14.8926	141.6186	3	Within essential clearing buffer only
Northern Expansion Area	167	-14.8927	141.6186	1	Within essential clearing buffer only
Northern Expansion Area	168	-14.8927	141.6186	2	Within essential clearing buffer only
Northern Expansion Area	169	-14.8927	141.6187	1	Within essential clearing buffer only
Northern Expansion Area	171	-14.8931	141.6189	1	Within essential clearing buffer only
Northern Expansion Area	175	-14.8927	141.6185	4	Within essential clearing buffer only
Northern Expansion Area	176	-14.8927	141.6186	2	Within essential clearing buffer only
Northern Expansion Area	177	-14.8926	141.6185	3	Within essential clearing buffer only
Northern Expansion Area	178	-14.8927	141.6185	2	Within essential clearing buffer only
Northern Expansion Area	179	-14.8927	141.6185	3	Within essential clearing buffer only
Northern Expansion Area	191	-14.8932	141.6186	4	Within essential clearing buffer only
Northern Expansion Area	192	-14.8932	141.6186	8	Within essential clearing buffer only
Northern Expansion Area	193	-14.8932	141.6186	6	Within essential clearing buffer only
Northern Expansion Area	194	-14.8933	141.6186	2	Within essential clearing buffer only
Northern Expansion Area	195	-14.8933	141.6186	3	Within essential clearing buffer only
Northern Expansion Area	196	-14.8933	141.6186	3	Within essential clearing buffer only
Northern Expansion Area	197	-14.8932	141.6186	3	Within essential clearing buffer only
Northern Expansion Area	198	-14.8933	141.6185	2	Within essential clearing buffer only
Northern Expansion Area	199	-14.8933	141.6185	3	Within essential clearing buffer only
Northern Expansion Area	200	-14.8933	141.6185	6	Within essential clearing buffer only
Northern Expansion Area	228	-14.8946	141.6194	2	Within essential clearing buffer only
Northern Expansion Area	231	-14.8947	141.6188	1	Within essential clearing buffer only
Northern Expansion Area	232	-14.8947	141.6189	1	Within essential clearing buffer only
Northern Expansion Area	233	-14.8946	141.6189	1	Within essential clearing buffer only
Northern Expansion Area	234	-14.8945	141.6188	1	Within essential clearing buffer only
Northern Expansion Area	235	-14.8944	141.6187	2	Within essential clearing buffer only
Northern Expansion Area	236	-14.8943	141.6187	1	Within essential clearing buffer only
Northern Expansion Area	237	-14.8943	141.6187	4	Within essential clearing buffer only
Northern Expansion Area	238	-14.8943	141.6187	1	Within essential clearing buffer only
Northern Expansion Area	239	-14.8942	141.6187	1	Within essential clearing buffer only
Northern Expansion Area	275	-14.8939	141.6172	2	Within essential clearing buffer only
Northern Expansion Area	276	-14.8936	141.6169	1	Within essential clearing buffer only
Northern Expansion Area	282	-14.8933	141.6169	1	Within essential clearing buffer only
Northern Expansion Area	283	-14.8934	141.617	2	Within essential clearing buffer only
Northern Expansion Area	284	-14.8934	141.617	1	Within essential clearing buffer only
Northern Expansion Area	285	-14.8936	141.617	1	Within essential clearing buffer only
Northern Expansion Area	286	-14.8936	141.617	2	Within essential clearing buffer only
Northern Expansion Area	287	-14.8936	141.617	3	Within essential clearing buffer only
Northern Expansion Area	288	-14.8939	141.6173	1	Within essential clearing buffer only
Northern Expansion Area	289	-14.8938	141.6173	4	Within essential clearing buffer only
Northern Expansion Area	290	-14.8938	141.6173	2	Within essential clearing buffer only
Northern Expansion Area	295	-14.8934	141.6169	1	Within essential clearing buffer only
Northern Expansion Area	296	-14.8933	141.6169	1	Within essential clearing buffer only
Northern Expansion Area	297	-14.8933	141.6169	2	Within essential clearing buffer only

[illegible]

Site	Host Tree ID	Latitude	Longitude	Number of orchids per tree	Location
Northern Expansion Area	403	-14.8941	141.6187	2	Within essential clearing buffer only
Northern Expansion Area	404	-14.8941	141.6186	1	Within essential clearing buffer only
Northern Expansion Area	406	-14.8942	141.6181	1	Within essential clearing buffer only
Northern Expansion Area	407	-14.8942	141.618	4	Within essential clearing buffer only
Northern Expansion Area	476	-14.8934	141.6191	1	Within essential clearing buffer only
Northern Expansion Area	477	-14.8935	141.619	1	Within essential clearing buffer only
Northern Expansion Area	480	-14.8934	141.6189	2	Within essential clearing buffer only
Northern Expansion Area	481	-14.8933	141.6189	1	Within essential clearing buffer only
