FINAL V2.0

# KUR-WORLD/ KUR-COW

presents

### **BARNWELL HISTORICALLY ZONED 12 RURAL TITLES**

KURANDA, FAR NORTH QUEENSLAND

# IN RELATION TO LAND PREPARATION TO KUR-WORLD MASTER PLAN AHEAD OF ANY APPROVALS

Just curious... in 2016, in this place, is this legal behaviour following proper protocol?

Our conservation-oriented community understand it to be unethical for sure, but is it illegal?

There are two known and documented breaches so far...

and another 7, and maybe more, up for grabs!

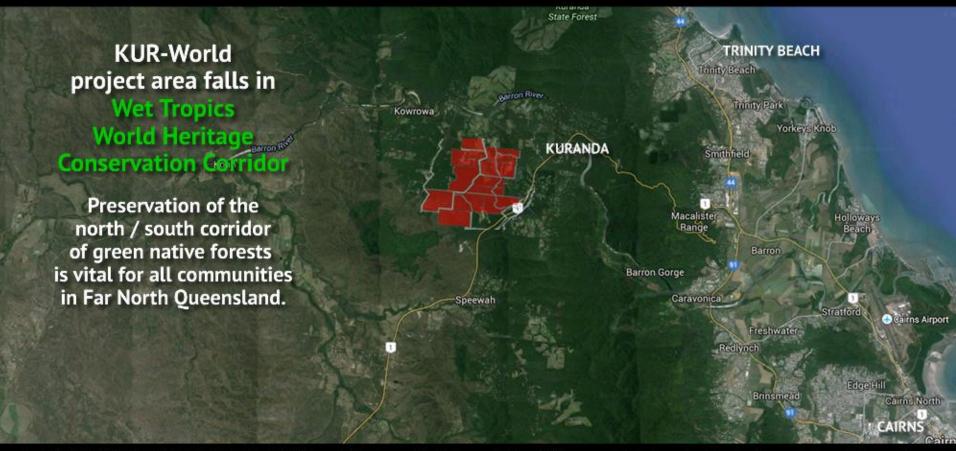
August 2016

110 slides of Google Earth images, maps, published documents and reports, photographs, dates and timelines

PDF version, link in description below

Video version, click screen to pause on slides

### PLEASE HELP US SAVE THE HEART OF KURANDA



HISTORICALLY ZONED 626ha 12 Rural Titles. Vital Kuranda Envirolink Corridor Country.

Conservation of Vital Wildlife Corridors IS **NOT** *OPTIONAL* FOR OUR REGION

PROFITS MUST NEVER
COME BEFORE
CONSERVING THIS LAND
IN OUR LIFETIME

"URBANISATION" OF THESE CORRIDORS ARE THE BIGGEST THREATS:

- 1. DEFORESTATION
- PREDATORY
  ANIMALS (PETS)
- JURBAN TRAFFIC ROADKILLS\*

\*Increased traffic on The Range Road, local truck traffic during build phase, increased local corridor traffic on completion



# **SLIDE INDEX**

Document date

MAY 2015



REFERENCE POINT FOR COMPARISONS

FACT CHECK: LAND CLEARING	TO KUR-WORLD MASTER PLAN
FACT CHECK: ENDANGERED SPECIES	MATTERS OF NATIONAL ENVIRONMENTAL SIGNIFICANCE
FACT CHECK: CULTURAL HERITAGE	DUTY OF CARE
FACT CHECK: SITE1 EARTHWORKS	DAM WATER FEATURE ON RESIDENTIAL 'LIFESTYLE VILLAS'
FACT CHECK: SITE2 EARTHWORKS	URBAN SUBDIVISION FIRST LAND RELEASE
FACT CHECK: SITE3 EARTHWORKS	BRIDGE LAUNCH / ROAD PREPARATION
FACT CHECK: EXTRAS	MASTER PLAN FLAW #1, UNPERMITTED ACTIVITIES, WHO'S WHO, TIMELINE, THE PLAYERS

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW PHA

Google images from NOV 2014 show a lush, rich colour of regrowth rainforest species across many of the northern titles. Historically the southern titles were never cleared – most likely selectively only - in accessible areas.

Dr Conrad Hoskin who surveyed the property for flora and fauna reports commissioned by the proponent - *after up to 200ha had already been cleared* – commented on the good quality regrowth that hadn't yet been cleared on the northern titles.

URGENT land clearing continues today and more forest is marked to be cleared on the property - on quality recovering native forests that need to be preserved.

# UNPERMITTED LAND CLEARING UP TO 200HA

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW HA

\*ADJOINING RESIDENTS ON LARGE FORESTED RURAL TITLES ARE REPORTING *MASS MOVEMENTS OF DISPLACED WILDLIFE* ACROSS THEIR PROPERTIES.

**EXTENSIVE (up to 200ha) LAND CLEARING ON THE PROPERTY FROM TIME OF PURCHASE TO OCTOBER 2015** was completed to the KUR-World Master Plan footprint, it seems, without *any* applications to *any* authority.

If the appropriate permits had been obtained – residents reporting **out of hours machine noise** could have triggered a reaction from Mareeba Shire Council for onsite investigation.

Concerned Kuranda Region Residents were simply advised by council there was 'No Development Application' on the property, while the time ticked by, the major earthworks and native forest clearing continued.

The proponent's **simple failure to submit appropriate applications** has meant up to 200ha of – in many places good quality Recovering Rainforest – was **cleared BEFORE the appropriate flora surveys were even conducted**. The proponent has demonstrated no regard, appreciation or responsibility for the quality of the habitat on this land.

#### 3.2 Hours of Work

 Work involving the operation of construction plant and equipment of any description, shall only be carried out on site during the following times:

Page 61

JUL 20 2016



Mareeba Shire Council - Agenda

Wednesday 20 July 2016

- 7.00am to 6.00pm, Monday to Friday;
- 7.00am to 1.00pm Saturdays;
- No work is permitted on Sundays or Public Holidays.
- (ii) No variation to the above working hours is allowed unless otherwise agreed in writing by Council.



**TO KUR-WORLD MASTER PLAN** 

**BARNWELL** 12 RURAL TITLES 626HA **KUR-WORLD** 230HA KUR-COW PARA

16

**MONTHS** AFTER **PURCHASE** 

LAND CLEARING TO KUR-WORLD MASTER PLAN FOOTPRINT WELL **UNDER WAY** 

**REFERENCE POINT** ORIGINAL HOMESTEAD

REFERENCE POINT HAREN CREEK

Image © 2016 DigitalGlobe

MAY 6 2015

Google earth



**TO KUR-WORLD MASTER PLAN** 

**BARNWELL** 12 RURAL TITLES 626HA **KUR-WORLD** 230HA KUR-COW PLAN

**21** 

**MONTHS AFTER PURCHASE**  LAND CLEARING TO KUR-WORLD **MASTER PLAN FOOTPRINT MOSTLY COMPLETED BY OCT 2015.** 

FLORA TRIGGER, FLORA SURVEY DATE NOV 2015.

**REFERENCE POINT** ORIGINAL HOMESTEAD

REFERENCE POINT HAREN CREEK

OCT 23 2015

2002



# TO KUR-WORLD MASTER PLAN

# FACT CHECK: LAND CLEARING

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW HA

**KUR-World Master Plan footprint** as supplied by
the proponent in Initial
Advice Statement (IAS)

**REFERENCE POINT**ORIGINAL HOMESTEAD

REFERENCE POINT HAREN CREEK

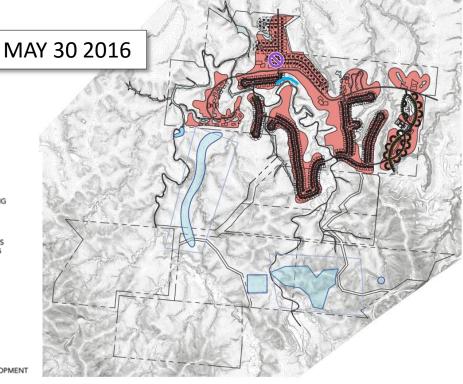


### NORTH

- STRUCTURED
- LUXURIOUS
- REHABILITATING

#### SOUTH

- WILD
- ADVENTUROUS
- CHALLENGING
- PRISTINE



CLEARED

LIMITED DEVELOPMENT

1:20000

TO KUR-WORLD MASTER PLAN

Dr Conrad Hoskin

APR 2016

Senior Lecturer & Researcher College of Marine & Environmental Science James Cook University Townsville, 4811

Email: conrad hoskin@jcu edu.au Phone: +61 (07) 4781 6048 Website: https://research.jcu.edu.au/portfolio/conrad.hoskin



Surveys conducted for Reever & Ocean Pty Ltd

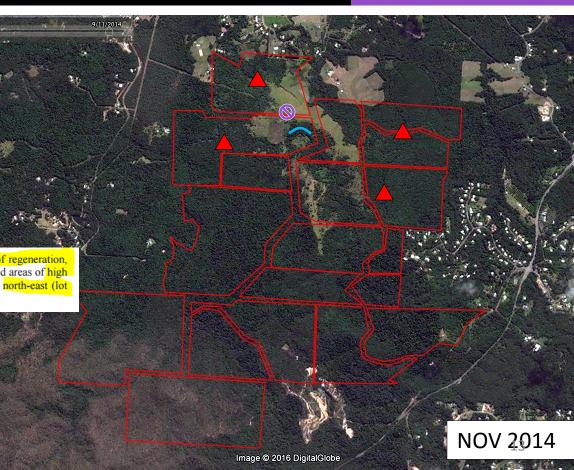
Rainforest Recovery on RURAL TITLES at time of purchase



Some of the areas mapped as non-remnant forest are in an advanced state of regeneration, and contain much of the rainforest wildlife expected for this region. I observed areas of high quality regrowth in the north-west (lot 22N157227), west (lot 2RP703984), north-east (lot 17N157227), and east (lot 18N157227) of the property.

REFERENCE POINT
ORIGINAL HOMESTEAD

REFERENCE POINT HAREN CREEK



TO KUR-WORLD MASTER PLAN

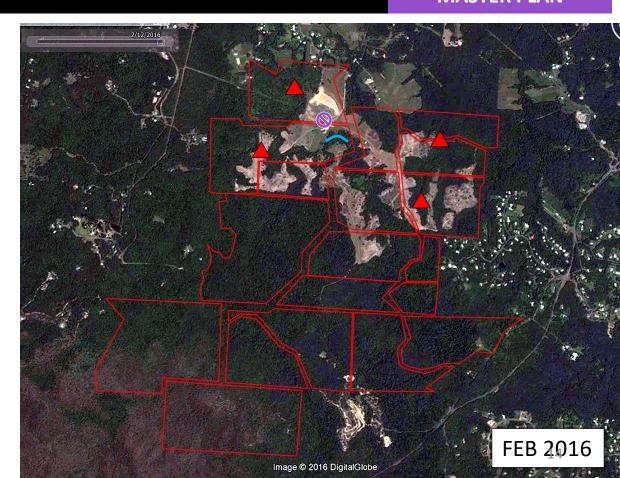
BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW PHA

**KUR-World Master Plan footprint clearly evident.** 

indicating clearing has occurred on 'high quality regrowth' RURAL TITLES and inside 100m breeding creek buffer zones

**REFERENCE POINT**ORIGINAL HOMESTEAD

REFERENCE POINT HAREN CREEK



TO KUR-WORLD MASTER PLAN

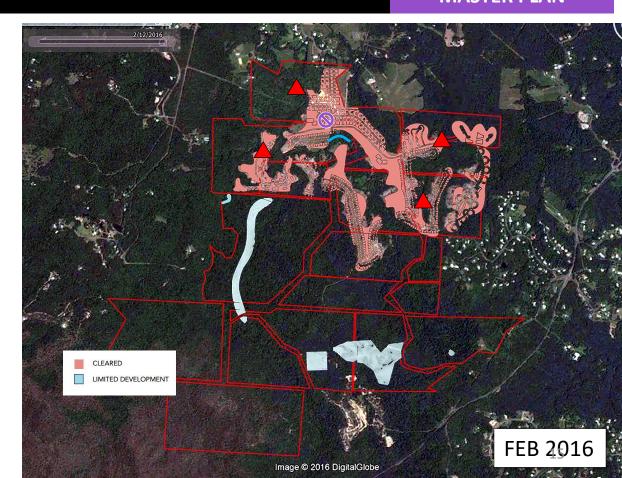
BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW PHA

**KUR-World Master Plan footprint clearly evident.** 

indicating clearing has occurred on 'high quality regrowth' RURAL TITLES And inside 100m breeding creek buffer zones

**REFERENCE POINT**ORIGINAL HOMESTEAD

REFERENCE POINT HAREN CREEK



# TO KUR-WORLD MASTER PLAN

### **INCORRECT**

New company Reever and Ocean Developments Pty Ltd was not registered until MAY 2016.

Both *unpublished reports* were commissioned by Reever and Ocean Pty Ltd

? 2015



Project title: KUR-World Integrated Eco-resort

### 8 Information sources and attachments

#### 8.1 References

Bureau of Mineral Resources, Geology and Geophysics, 1962, 1: mapsheet, SE55-2.

Danielsen, S., 2015, Flora Survey Report, Barnwell Rd, Myola. Unpublished report by Astrebla Ecological Services, commissioned by Reever and Ocean Developments Pty Ltd for this project. Department of the Environment, 2016, Litoria rheocola, in Species Profile and Threats Database, Department of the Environment, Canberra. Available from: http://www.environment.gov.au/sprat. Accessed Mon, 18 Apr 2016.

Dowe, J.L., 2010, *Australian Palms. Biogeography, Ecology and Systematics*. CSIRO Publishing, Melbourne.

Dowe, J.L. and Hodel, D.R., 1994, A Revision of *Archontophoenix* H. Wendl. & Drude (Arecaceae). *Austrobaileya* 4 (2): 227-244.

Hoskin, C., 2007, Description, biology and conservation of a new species of Australian tree frog (Amphibia: Anura: Hylidae: *Litoria*) and an assessment of the remaining populations of *Litoria genimaculata* Horst, 1883: systematic and conservation implications of an unusual speciation event, *Biological Journal of the Linnean Society*, **91**, 549-563.

Hoskin, C., 2016, Surveys for endangered frogs and other wildlife on Barnwell Road Holdings, unpublished report commissioned by Reever and Ocean Developments Pty Ltd for this project. Neilsen, L., 1996, Birds of Queensland's Wet Tropics and Great Barrier Reef, Australia. Gerard Industries Proprietary Limited, Adelaide.

Dr Conrad Hoskin

Cairns

MAY 2016

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Email: conrad.hoskin@jcu.edu.au Phone: +61 (07) 4781 6048

s://research.jcu.edu.au/portfolio/conrad.hoskin

AMES COO INIVERSIT

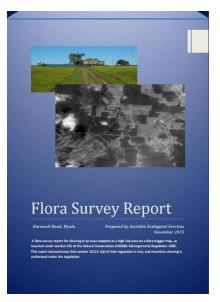
onducted for Reever & Ocean Pty Ltd

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APR 2016

# TO KUR-WORLD MASTER PLAN







#### Dr Conrad Hoskin

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Website: https://research.jcu.edu.au/portfolio/conrad.hoskin



Surveys conducted for Reever & Ocean Pty Ltd

30th April 2016

? 2015

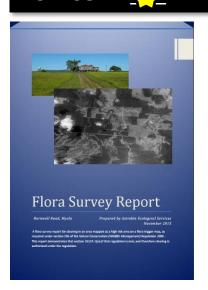
**NOV 2015** 

? 2016

**APR 2016** 

**MISLEADING** LAND CLEARING (up to 200ha) started NOV 2014 and completed prior to OCT 2015. Published surveys and reports dated after most clearing already completed to the KUR-World Master Plan footprint.

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW HA



**NOV 2015** 

#### 1.1 Overview

Reever and Ocean Pty Ltd (the landowner) own a parcel of adjoining freehold lots in the Myola area, two kilometres west of Kuranda town centre. This land holding, at the southern of Barnwell Road terminus (street number 112), was previously a cattle farm. The majority of these lots are now vegetated by remnant vegetation that is predominately mapped as least concern regional ecosystems (see Appendix A).

However, a number of lots in the north of the project area are primarily mapped as non-remnant vegetation, and the landowners wish to clear some of this non-remnant vegetation so as to reinstate the property to its original condition as an operating farm.

The lots (referred to hereafter as 'the subject lots') which were surveyed for this Flora Report, all located in Mareeba Shire in a rural zone, are mapped in Figure 1 (the lots with white boundaries) and are:

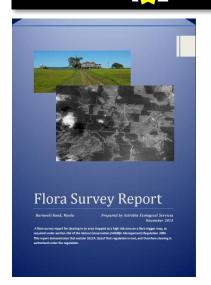
- Lot 17 N157227
- Lot 18 N157227
- Lot 19 N157452

Most of the non-remnant vegetation in these lots is mapped as a high risk area on a flora trigger map. Therefore, under section 256 of the *Nature Conservation (Wildlife Management) Regulation* 2006 (the NCWMR) a flora survey and flora survey report is required prior to clearing.

Note – parts of these lots have already been cleared in breach of s.256 and this breach has been self-reported to the Department of Environment and Heritage Protection (EHP) by the landowners (letter to Wildlife Officer Kerry Walsh dated 7 September 2015, see Appendix C).

By October 2015 most land clearing to KUR-World Master Plan completed.

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW HA



1.3 Proposed land use and clearing area

The landowner proposes to restore this land, zoned rural, to its previous status as a farm, by clearing the non-remnant vegetation located outside of areas mapped as reef-regrowth watercourse vegetation (category R under the *Vegetation Management Act 1999*). In addition, a 60 m buffer from all creek lines (as detected on the ground, not as mapped in any publicly available mapping) has been imposed to protect habitat potentially utilised by the Kuranda treefrog (*Litoria myola*).

Therefore, only vegetation mapped as non-remnant will be directly impacted. The land proposed to be used for this purpose is mapped in Figure 1 and comprises all coloured areas – that is, areas mapped in Figure 1 as 'currently clear/open areas' and 'proposed new clearing areas'. Areas mapped in black are the areas proposed to be cleared which are the subject of this report (numbered one to five).

### 1.5 Clearing dates

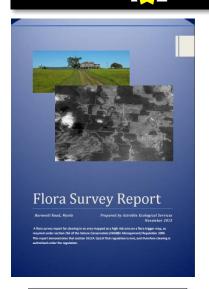
Clearing dates will be weather dependant and will be between 28 December 2015 and 28 December 2016. It is expected that clearing will occur sooner rather than later. However, in case of unforeseen delays, the dates on the application form have been entered as 28 December 2015 to 28 December, 2017.

By October 2015 most land clearing to KUR-World Master Plan completed

NOV 2015

# TO KUR-WORLD MASTER PLAN

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW PHA



**NOV 2015** 

### 1.4.2 Site survey

As recommended in the *Flora Survey Guidelines – Protected Plants* (Department of Environment and Heritage Protection, 2014), a random meander method was used to search for protected plants on this site. The survey was conducted over two survey events between 29 August and 4 September, and 9 to 18 November, 2015. The surveys were conducted in areas that are proposed to be cleared that are 'in the wild', and the impact area (encompassing a 100 m buffer of 'in the wild' vegetation as defined in the guidelines). The objective of the surveys was to determine the presence of protected plants in the areas proposed to be cleared and in the impact areas.

This survey
results in
'unpublished
report'

Astrebla Ecological Services | Flora Survey Report, Barnwell Road, Myola | Reever & Ocean Pty Ltd

Up to 200ha was cleared on property prior

to this report.

The total area proposed to be cleared is 20.13 ha. According to the Flora Survey Guidelines – Protected Plants (Department of Environment and Heritage Protection, 2014), areas of less than 10 ha should be surveyed at a density of at least one transect. Those between 10 and 100 ha should be surveyed at a minimum density of two to five transects. All except one area proposed for clearing are less than 10 ha, and that area exceeds the 10 ha threshold by only 0.35 ha.

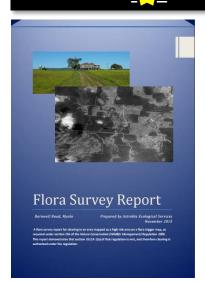
There is no flora survey for land clearing prior to October 2015.

# TO KUR-WORLD MASTER PLAN

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW HA

**Sediment from land clearing** reached Warrill Creek mouth on the Barron River.

No permit for land clearing, **no Sediment and Erosion Management Plan** was in effect at time of clearing in 2015.



### 4 Potential impacts and mitigative measures

### 4.1 Potential impacts and mitigation measures

The potential impacts expected from this clearing are outlined below.

#### 4.1.1 Impacts to threatened species

No threatened flora species were detected in the clearing impact areas (that is, within the clearing areas or a 100 m buffer). Fauna species that may utilise these areas include the Kuranda tree frog and the Australian lacelid (*Litoria dayi*) (Hoskin, 2007). Vegetation buffers of 60 m from all creeks on the property have been adopted to ensure habitat for both species is retained. This will also assist to protect water quality in these creeks, which are ephemeral and have either no or very low flow in most dry seasons.

#### 4.1.2 Impacts from soil erosion and sedimentation

Exposure of soil in this area can result in soil erosion and associated sedimentation of waterways.

This is particularly an issue on slopes and where sub-surface sections of the soil profile are exposed, especially during the wet season.

As outlined above, native vegetation buffers of 60 m will be retained adjacent to all waterways. This will assist to filter any overland flows from clearing areas. In addition, a sediment and erosion management plan prepared by a suitably qualified engineer will be implemented immediately after areas are cleared, to ensure that best practice sediment and erosion management standards are adopted.

NOV 2015



**TO KUR-WORLD MASTER PLAN** 

17N157227

18N15722

18N157227

19N157452

129NR456

**BARNWELL** 12 RURAL TITLES 626HA **KUR-WORLD** 230HA KUR-COW PLAN

Dr Conrad Hoskin

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Email: conrad.hoskin@jcu.edu.au Phone: +61 (07) 4781 6048 Website: https://research.jcu.edu.au/portfolio/conrad.hoskin



Surveys conducted for Reever & Ocean Pty Ltd

30th April 2016

**APR 2016** 



#### **Executive Summary**

Dr Conrad Hoskin

A number of State (NCA) and Federally (EPBC Act) listed endangered species occur in the Kuranda area, including the Kuranda Tree Frog (Litoria myola), the Australian Lacelid frog (Litoria dayi), the Mistfrog (Litoria rheocola), the Southern Cassowary (Casuarius casuarius), the Northern Ouoll (Dasvurus hallucatus), and the Myola Palm (Archontophoenix myolensis).

Wildlife surveys were conducted across the property 'Barnwell Road Holdings', with a particular focus on endangered frog species.



Some of the areas mapped as non-remnant forest are in an advanced state of regeneration, and contain much of the rainforest wildlife expected for this region. I observed areas of high quality regrowth in the north-west (lot 22N157227), west (lot 2RP703984), north-east (lot 17N157227), and east (lot 18N157227) of the property.

# TO KUR-WORLD MASTER PLAN



The property with good quality regrowth visible (larger image in later slides) at the time of private sale purchase of BARNWELL 12 RURAL TITLES by Ken Lee.

NOV 11 2014



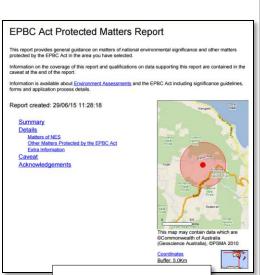
In the next 6 months, the proponent scrapes back and clears regrowth and more mature forest, failing to submit an application and thereby triggering any protections of flora or fauna.

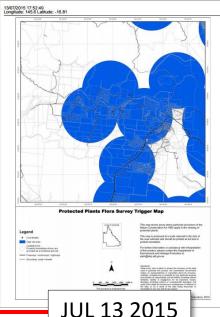
MAY 6 2015

Ken Lee knows his property has triggered the EPBC Act here

The proponent continues to clear extensive areas of forest to the KUR-World Master Plan footprint, including forest within 100m breeding buffer for Federally listed protected species.

OCT 23 2015





JUN 29 2015

These reports were generated by the proponent's commissioned flora surveyor Simon Danielsen. The Protected Plants Flora Survey Trigger Map resulted in the initiation of a Survey Report – that is marked as unpublished – and was superceded by the NOV 2015 Survey Report – once all the clearing was completed by OCT 2015.

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW HA

- LARGE STANDING CABINET TIMBER
   TREES old-growth rainforest
   species vs "clearing regrowth"?
- DAMS there were no dams on the property at time of purchase



EXCITED: Stuart Ricketts, of Urban Sync, said Ken Lee had a long-term vision for the property owned by the Barnwell family since 1930. PICTURE: NELLIE PRATT

Mr Ricketts said Mr Lee had axed plans for a \$2 million luxury home on the site with a design concept dubbed the Dragon's Lair.

He said brief discussions had been held with the Mareeba Shire Council but no development applications had been submitted.

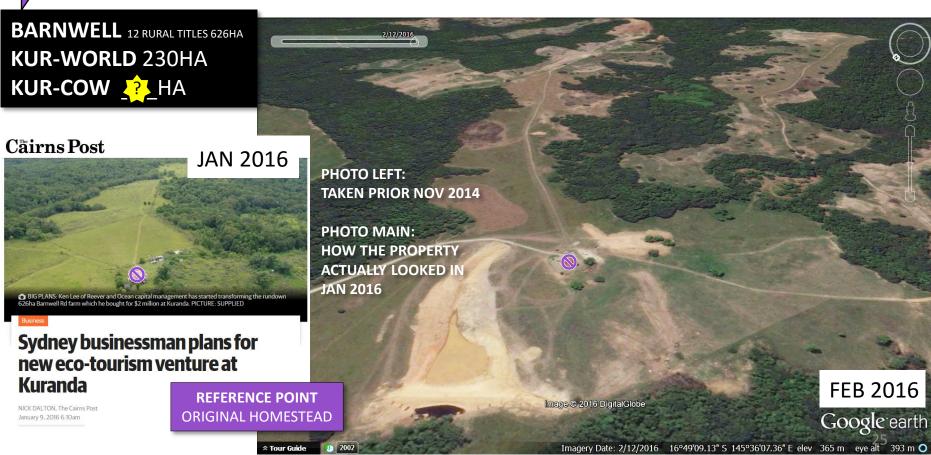
The property includes two creeks, springs and dams, rainforest and regrowth and large standing cabinet timber trees.



### Sydney businessman plans for new eco-tourism venture at Kuranda

NICK DALTON, The Cairns Post January 9, 2016 6:10am

TO KUR-WORLD MASTER PLAN



BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW PHA

The proponent, Ken Lee, has conducted at least 3 major earthworks and extensive land clearing (up to 200ha) on the Barnwell property since purchase in January 2014.

These unpermitted activities, hence with no proper Soil and Erosion Plans, over the last two years to the KUR-World Master Plan footprint, ahead of the proper approvals for the 'Integrated Eco-Resort', have caused evidence-based devastation on the waterbodies that flow from the Barnwell land catchment, to the Barron River, and on to the Great Barrier Reef.

The proponent has managed to prepare the KUR-World site to the Master Plan, relatively unhindered by Mareeba Shire Council, prior to KUR-World becoming a State Coordinated Project in June 2016.

WELL DOCUMENTED
EFFECTS OF UNPERMITTED
EARTHWORKS AND LAND
CLEARING ON ESSENTIAL
HABITAT FOR FEDERALLY
PROTECTED SPECIES

MATTERS OF
NATIONAL ENVIRONMENTAL
SIGNIFICANCE

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW \_?\_HA

This land is simply too ecologically sensitive for mass urbanisation.

### **KUR-WORLD PROPOSAL AREA**

### **12 RURAL TITLES**

UNSUITABLE FOR HIGH-DENSITY URBAN
SUBDIVISION WITH MEGA-TONS OF CONCRETE,
4000 HUMANS, DOMESTIC PREDATORY
ANIMALS (PETS), MASSIVE INCREASE IN
CORRIDOR VEHICLE TRAFFIC



### Australian Government

Department of the Environment

### Referral of proposed action

**Project title:** 

**KUR-World Integrated Eco-resort** 

### 3.3 (j) Other important or unique values of the environment

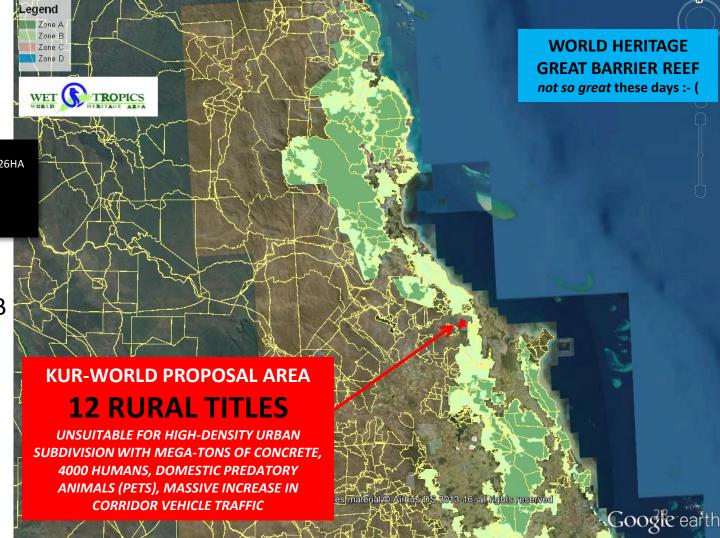
The KUR-World project site is located two kilometres west of Barron Gorge National Park, and two kilometres south of Kuranda State Forest (both of which fall within the Wet Tropics World Heritage Area). It is located precisely on the transition zone or ecotone between the wetter rainforest communities of the Lamb and MacAlister Ranges to the east, and the drier sclerophyll dominated woodland communities to the west, with this transition evident in the south western lots of the project site (lots 131 and 290 in particular contain extensive areas of ironbark and forest red gum open forest).

Its rainforest is also contiguous with one of the Wet Tropics Heritage Area 'pinch points' – areas where the rainforest narrows considerably, constraining movement in a north-south direction by fauna that are restricted to rainforest habitats. Dr Hoskin (2007) has previously identified the central Wet Tropics area, and Kuranda in particular, as a 'suture' or contact zone between areas of historic refugia for rainforest species, where 'evolutionary novelties' (i.e. new species and phenotypic variations) can arise relatively rapidly. Therefore, he ascribes some conservation significance to this contact zone.

VITAL ENVIROLINK WILDLIFE
CORRIDOR ALREADY SEVERELY
FRAGMENTED AND COMPROMISED
BY HISTORICAL LAND CLEARING

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW HA

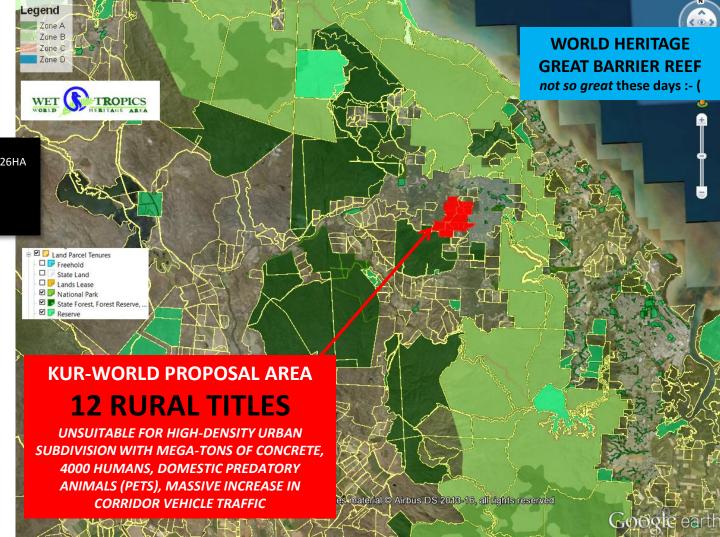
IN RELATION TO ZONE A AND ZONE B WORLD HERITAGE NATIONAL PARK



VITAL ENVIROLINK WILDLIFE
CORRIDOR MUST BE PROTECTED
IN THIS PLACE TO ENSURE
CONTINUITY OF NORTH/SOUTH
WORLD HERITAGE WET TROPICS
NATIVE FORESTS

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW PHONE

IN RELATION TO WORLD HERITAGE NATIONAL PARK, STATE FOREST, FOREST RESERVES



# MATTERS OF NATIONAL ENVIRONMENTAL SIGNIFICANCE

### **EPBC PROTECTED SPECIES HABITAT REPORT**



The property with good quality regrowth visible (larger image in later slides) at the time of private sale purchase of BARNWELL 12 RURAL TITLES by Ken Lee.

NOV 11 2014



In the next 6 months, the proponent scrapes back land and clears regrowth.

MAY 6 2015

Ken Lee knows his property has triggered the EPBC Act here

The proponent continues to clear extensive areas of forest to the KUR-World Master Plan footprint, including forest within 60m or 100m buffer for Federally listed protected species.

OCT 23 2015

### **EPBC Act Protected Matters Report**

This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected.

Information on the coverage of this report and qualifications on data supporting this report are contained in the caveat at the end of the report.

Information is available about <u>Environment Assessments</u> and the EPBC Act including significance guidelines, forms and application process details.

Report created: 29/06/15 11:28:18

Summary

Details

Matters of NES

Other Matters Protected by the EPBC Act

Extra Information

Caveat

Acknowledgements

### JUN 29 2015

Report generated by the proponent's commissioned flora surveyor Simon Danielsen.



This map may contain data which are ©Commonwealth of Australia (Geoscience Australia), ©PSMA 2010

Coordinates Buffer: 5.0Km



MATTERS OF
NATIONAL ENVIRONMENTAL
SIGNIFICANCE

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW PLANT HA

KUR-World project area
 Proposed road

### Legend

Lot and Plan

Category A area (Vegetation offsets/compliance notices/VDecs)

Category B area (Remnant vegetation)

Category C area (High-value regrowth vegetation)

Category R area (Reef regrowth watercourse vegetation)

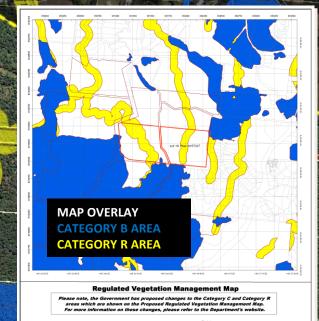
Category X area (Vegetation not regulated under the VMA)

Water

Area not categorised

Cadastral line

Property boundaries shown are provided as a locational aid only







Disabilities: On the control that is no source the accusacy of this product. The While every call those impossions in the limits a relate an in-separate parameters or warrentees about the accusacy, visitability, complainments or an although or warrentees about the accusacy, visitability, complained and insidiary including untited introduces, labellity in engigenrous but all expenses, larentees, and insidiary including untited introduces a insidiary in engigenrous but all expenses, larentees, and control expenses and control expenses and control expenses and control expenses and control which you might stour as a result of the product being insoccurate or incompletes in any sony and in they reason.

Additional information required for the assessment of explation ratures is provided in the accomposing "Veytration Nongeneral Supporting map". For latter information go the twee side, wound man glog process or contact the Department of Hasten Resources and Mines. Digital data to the requisited vegation management map in available from the General Signal Signal Portion of https://www.information.org.com/



Queenland

© The State of Queensland (Department of Natural Resource

NOV 2014

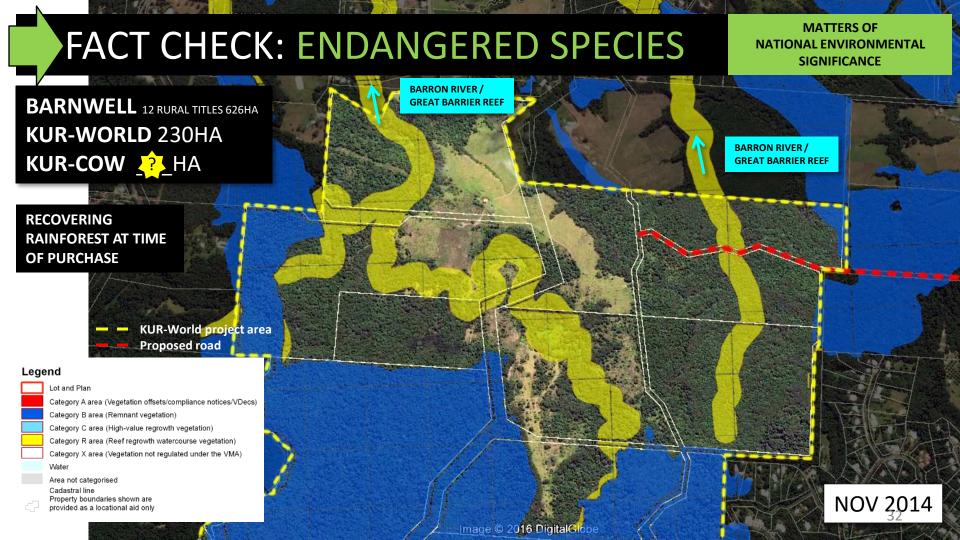
PROPOSED MAIN ROAD

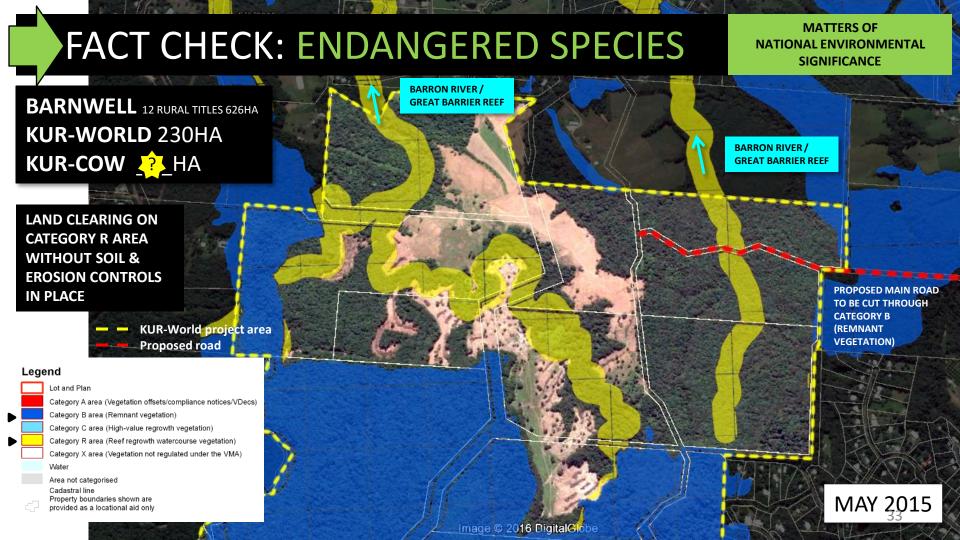
TO BE CUT THROUGH

**CATEGORY B** 

(REMNANT VEGETATION)

Image © 2016 DigitalGlobe







MATTERS OF
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SIGNIFICANCE

BARNW KUR-W( KUR-CO

GREY SHOW 'CURRENTLY OPEN AREA \*NOTE: THIS CLEA COMPLETED OCT TO NOV 2015 SUF

Legend

Lot and Plan

Category A area Category B area

Category C area Category R area





NOV 2015 - Astrebla Ecological Services | Flora Survey Report Simon Danielsen

Most of the non-remnant vegetation in these lots is mapped as a high risk area on a flora trigger map. Therefore, under section 256 of the *Nature Conservation (Wildlife Management) Regulation* 2006 (the NCWMR) a flora survey and flora survey report is required prior to clearing.

Note – parts of these lots have already been cleared in breach of s.256 and this breach has been selfreported to the Department of Environment and Heritage Protection (EHP) by the landowners (letter to Wildlife Officer Kerry Walsh dated 7 September 2015, see Appendix C).

This report is concerned only with areas not impacted under that previous clearing.

The next map shows 'parts of these lots have already been cleared in breach of s.256' as a GREY overlay from the report.

Water
Area not categorised
Cadastral line

Property boundaries shown are provided as a locational aid only OCT 2015

### **MATTERS OF** FACT CHECK: ENDANGERED SPECIES NATIONAL ENVIRONMENTAL **SIGNIFICANCE BARRON RIVER /** Figure 1 Subject lots, proposed clearing and existing clearing **BARNWELL** 12 RURAL TITLES 626HA **GREAT BARRIER REEF** Currently clear/open areas Proposed new clearing areas ragery:D Google. Taken 6/5/2015, This image reproduced at 1:7500 when printed at A4. **KUR-WORLD** 230HA **BARRON RIVER /** KUR-COW PLAN **GREAT BARRIER REEF GREY SHOWS 'CURRENTLY CLEAR / OPEN AREAS'** \*NOTE: THIS CLEARING **COMPLETED OCT 2015 PRIOR TO NOV 2015 SURVEY KUR-World project area Proposed road** Legend Lot and Plan Category A area (Vegetation offsets/compliance notices/VDecs) Category B area (Remnant vegetation) Category C area (High-value regrowth vegetation) Category R area (Reef regrowth watercourse vegetation) Category X area (Vegetation not regulated under the VMA) Area not categorised Cadastral line Property boundaries shown are OCT 2015 provided as a locational aid only

## FAC

BARNWEL **KUR-WOR KUR-COW** 

**OVERLAY SHOW** \*ACTUAL CLEAR TAKEN PLACE P TO THE FORMA **REPORTING TO** 



#### Legend

Lot and Plan Category A area (Vegeta Category B area (Remn Category C area (High-Category R area (Reef r Category X area (Veget

> Area not categorised Cadastral line

Property boundaries sho provided as a locational aid only

7 September, 2015

Kerry Walsh Wildlife Officer Dept. Environment and Heritage Protection Queensland government

Dear Mr Walsh

I am writing on behalf of my client (the landowner) to advise you of clearing of native vegetation that he has conducted on the following lots in the Myola area (Mareeba Shire): Lots 1 and 2 RP703984

Lots 17 and 18 N157227 Lot 19 N157452

The clearing has occurred in mapped non-remnant vegetation under the Vegetation Management Act 1999 and was commissioned after liaison with the Townsville unit of the Vegetation Management section in the Department of Natural Resources and Mines.

However, it is located in an area mapped as 'high risk' on a Flora Trigger map, and a flora survey was not conducted prior to clearing commencing.

I have been instructed to formally inform you of this clearing and request instruction from you in relation to your department's requirements. All clearing on the properties has been halted until we obtain your advice.

I can be contacted on 0423 706 440 or you can email me at simond1313@gmail.com.

Regards

& Danielien

Simon Danielsen Principal Ecologist **Astrebla Ecological Services** 

### **SPECIES**

**MATTERS OF** NATIONAL ENVIRONMENTAL **SIGNIFICANCE** 

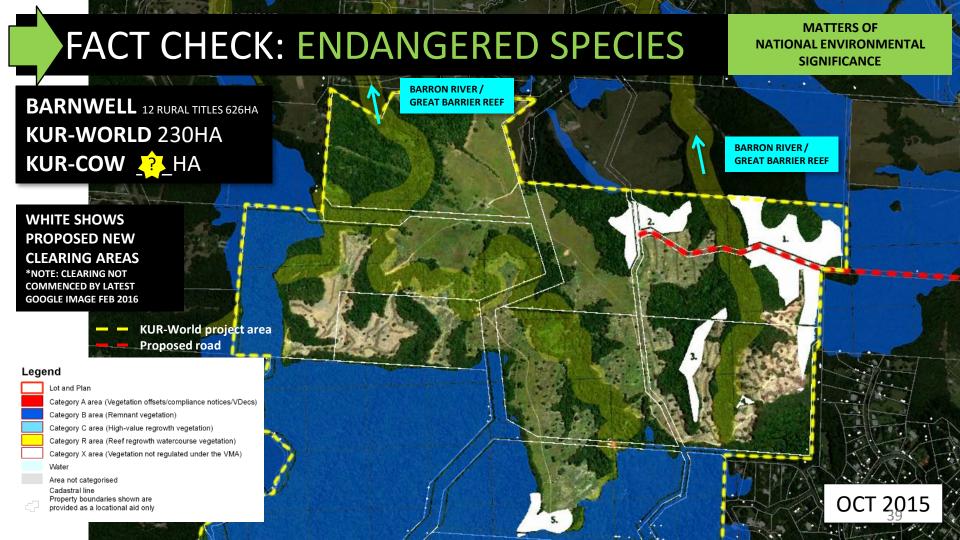
**Immature** 

This is the letter to EHP reporting the breach for clearing 'in an area mapped as 'high risk''.

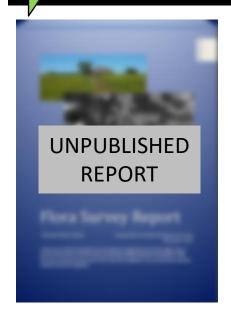
Next map shows the vast amount of recovering rainforest that was cleared in the time prior to this letter.

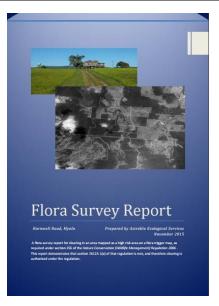
**NOV 2014** 





# MATTERS OF NATIONAL ENVIRONMENTAL SIGNIFICANCE







#### Dr Conrad Hoskin

Senior Lecturer & Researcher College of Marine & Environmental Science James Cook University Townsville 4811

Email: conrad.hoskin@jcu.edu.au Phone: +61 (07) 4781 6048

Website: https://research.jcu.edu.au/portfolio/conrad.hoskin



Surveys conducted for Reever & Ocean Pty Ltd

30th April 2016

? 2015

**NOV 2015** 

? 2016

**APR 2016** 

**MISLEADING** LAND CLEARING (up to 200ha) started NOV 2014 and completed prior to OCT 2015. Published surveys and reports dated after most clearing already completed to the KUR-World Master Plan footprint.

MATTERS OF
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SIGNIFICANCE

### FAUNA / FLORA SURVEY MAPS SUPPLIED IN BOTH PUBLISHED SURVEY REPORTS



Fig. 1. Clear-up of Littoria impolar records. Litteria impolar records are thorn as green symbols. Transparent gene hading shows a both eff of appears. 100 m wide on either soon of stretches of cross shares Littoria impolar records are detected. Extraction of present all pursons and restricts of Littoria impolar records as where Littoria impolar records and section section for stream of the section of Littoria impolar records where Littoria impolar and when an applies symbol with a 100 m bother (pillow shading) on either risks of the creats. The red badded area is a creat the stream's relative to Littoria impolar both in one will be of the creat when the creat the stream's relative to the creat which is the same discharge as it, implies count has to get the creat which is the same discharge as it, implies count has top of this creat, which is the same discharge as it, implies count has top of this creat, which is the same discharge as it, implies count has the proof the creat which is the same discharge as it, implies count has the proof the creat.









Fig. 4. Potential habitat for the Australian Lacelid frog (Litoria dayi). Sections of creek marked in yellow are of potentially suitable habitat for Litoria dayi, based on habitat use at nearby sites in the Myola area.

Man prenared by Simon Danielen (Astrabla Ecological Servicies), in consultation with Control Hoskin (LCLI)



Fig. 5. Palm records. Blue symbols show where palms were encountered during the surveys. These palms may be Archantophoenix myolensis.



Fig. 2. Litaria myola records. Litaria myola records are shown as green symbols. Etimated potential upstream extents of Litaria myola are shown as yellow symbols.

MATTERS OF
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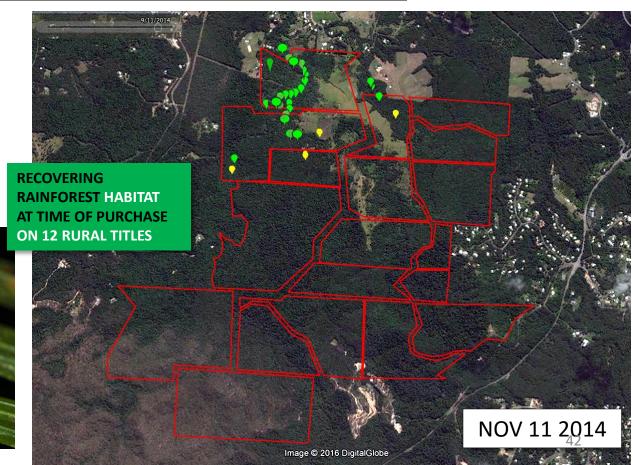
# HIGH PROFILE ENDANGERED SPECIES

#### KURANDA TREE FROG Litoria myola

Records

Estimated potential extent





#### **MATTERS OF** NATIONAL ENVIRONMENTAL **SIGNIFICANCE**

#### **HIGH PROFILE ENDANGERED SPECIES**

#### **KURANDA TREE FROG**

Litoria myola

- Records
- Estimated potential extent

Suggested actions for further surveys of endangered species

Determine the upstream limits of *Litoria mvola* on the three streams it is known to occur (i.e., resolve the areas shaded yellow in Figure 3).

Perfo Resc Perfo

the property. 131N157491 and

Litoria myola was recorded on three streams on the property. Owen Ck, Haren Ck and a d areas of potential small unnamed creek in the center-north of the property (Figs 2 & 3). All Litoria myola were found in the north-west sector of the property, in lots 22N157227, 2RP703984 and 17N157227. Litoria myola is generally present at good density along the sections of stream marked in green on Figure 3. Based on the number of frogs detected during the surveys, I would coarsely estimate that 100-200 Litoria myola adults are present on the property. However, weather and stream conditions were not ideal during the surveys, so this estimate is coarse and the actual number may be more. The core Litoria myola habitat on the property is along lower Owen Creek up to the Owen/Haren junction and at least 1 km upstream of this junction on Owen Ck and at least 500 m upstream on Haren Ck (Fig. 3). This Owen/Haren

A number of species in the Kuranda area are listed as threatened at the State (Old NCA) and Federal/Commonwealth (EPBC) level. Two endangered species are entirely restricted to the Kuranda/Myola area—the Kuranda Tree Frog (*Litoria myola*) and the Myola Palm

(Archontophoenix myolensis). The Kuranda Tree Frog is restricted to about 10 breeding streams that enter the Barron River between Kuranda and Kowrowa. The most significant

stand of the Myola Palm occurs on Warril Ck, with scattered records in nearby areas along

the Barron River, Both the Kuranda Tree Frog and the Myola Palm are listed as Endangered at the Queensland (NCA, 2014a; NCA, 2014b) and Federal (EPBC, 2016a; EPBC, 2016b)

levels. Other Endangered species known from the Kuranda area include the Australian

Dr Conrad Hoskin

A fourth creek on the property, the small creek downstream of the dam by the homestead, would almost certainly have had Litoria myola until recently (marked in red shading on Figure 3). However, sediment from dam construction and the eroding dam wall has filled this creek for hundreds of meters downstream of the dam and the habitat is no longer suitable for *Litoria myola* breeding. The reasons I can be fairly sure this creek had *Litoria* myola are: (1) It is within the typical distance Litoria myola occurs upstream from the Barron River; (2) The creeks on either side have Litoria myola up to at least this point; and

Extinct EN VU

Critically Endangered (IUCN 3.1)[1]

population would appear to be the third largest breeding population of this species.

Endangered frog surveys on Barnwell Road Holdings RECOVERING **RAINFOREST HABITAT** AT TIME OF PURCHASE **ON 12 RURAL TITLES NOV 2014** 

> 2 YEARS AFTER PURCHASE **FULL EXTENT OF LAND CLEARING** to MASTER PLAN FOOTPRINT, SITE1 DAM. SITE3 EARTHWORKS VISIBLE

> > **FEB 2016**

upstream limits of Litoria mvola in vellow on the map (Fig. 3). Litoria mvola could reasonably be expected to occur in these yellow shaded areas. Further surveys under more ideal weather conditions would refine upstream limits more accurately.



MATTERS OF
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SIGNIFICANCE

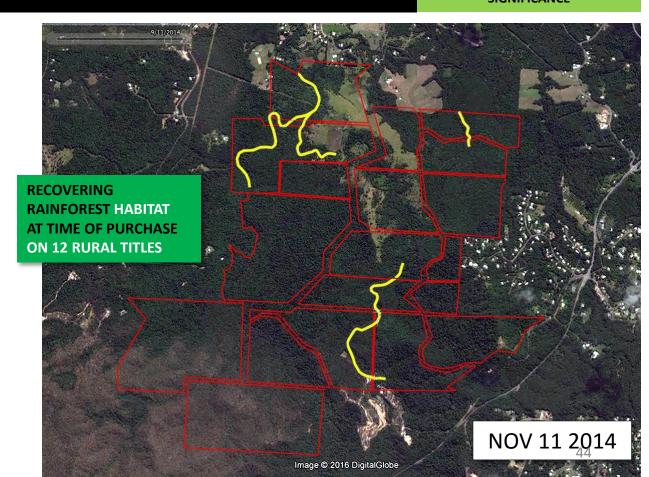
# HIGH PROFILE ENDANGERED SPECIES

**AUSTRALIAN LACELID FROG** *Litoria dayi* 

Potentially suitable habitat









# MATTERS OF NATIONAL ENVIRONMENTAL SIGNIFICANCE

# HIGH PROFILE ENDANGERED SPECIES

### AUSTRALIAN LACELID FROG Litoria dayi



Potentially suitable habitat

Dr Conrad Hoskin

Endangered frog surveys on Barnwell Road Holdings

#### Suggested actions for further surveys of endangered species

Determine the upstream limits of *Litoria myola* on the three streams it is known to occur (i.e., resolve the areas shaded yellow in Figure 3).

Perform targeted surveys for *Litoria dayi* in identified areas of potentially suitable habitat on Haren Ck, Owen Ck, and upper Warril Ck (Fig. 4).

Resolve the identity of the Archontophoenix palms on the

Perform targeted surveys for Northern Quolls in lots 131N

detected. *Litoria dayi* is known to occur at sites 1.5 km and 1.8 km from the property. The property has potentially suitable habitat for *Litoria dayi*, particularly on Haren and Owen Creeks (Fig. 4), but weather conditions during the survey period were not suitable for determining whether the species is present or not.

Conditions were dry through much of the survey period; there but the wet season total was very low. Therefore, stream levelarge streams that would typically flow in the wet season were

were dry. Larger streams were targeted because they were carrying water, but smaller creeks and gullies were also searched in the hope of finding foraging frogs. Conditions were too dry to survey a number of small gullies. Conditions were also not suitable for surveying for the Australian Lacelid Frog (*Litoria dayi*), which generally only calls along streams during wet periods when they are flowing well. Further targeted surveys are required to cover these gaps in knowledge for the property.

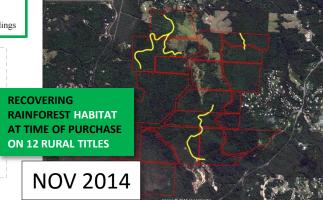
Time constraints and unfavourable weather conditions (too dry) precluded surveying some key sections of streams or gullies. The section of Haren Ck that flows through the three road crossings requires further surveys for *Litoria myola* to better determine abundance and upstream limits. Sections of potentially suitable habitat for *Litoria dayi* were identified on lower and mid Haren Ck, Owen Ck, and an upper tributary of Warril Ck (Fig. 4), and these require targeted surveys when the creeks have more flow. *Litoria dayi* occurs nearby in the Myola area, and is a difficult species to detect when not breeding during dry conditions.

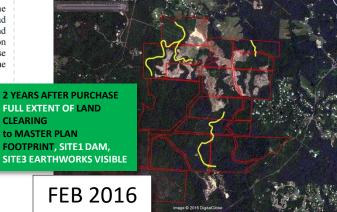
Extinct Threatened Concern

EX EW CR EN VU NT LC

Endangered (IUCN 3.1)[1]

The Australian Lacelid frog (*Litoria dayi*) was not detected on the property. It is present at nearby sites in the Myola area, and potentially suitable habitat is present on the property. However, the surveys were conducted during a poor wet season (with little stream flow) and it was not possible to adequately survey these areas of habitat for this species. Further surveys are required for *Litoria dayi* in the areas highlighted herein.





MATTERS OF
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SIGNIFICANCE

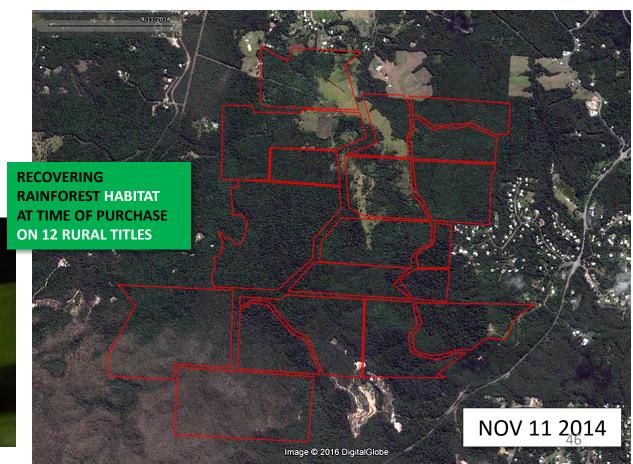
# HIGH PROFILE ENDANGERED SPECIES

**MISTFROG** 

Litoria rheocola

No data from survey





# MATTERS OF NATIONAL ENVIRONMENTAL SIGNIFICANCE

# HIGH PROFILE ENDANGERED SPECIES

Dr Conrad Hoskin

Endangered frog surveys on Barnwell Road Holdings

#### **MISTFROG**

Litoria rheocola

No data from survey

A number of State (NCA) and Federally (EPBC Act) listed endangered species occur in the Kuranda area, including the Kuranda Tree Frog (*Litoria myola*), the Australian Lacelid frog (*Litoria dayi*), the Mistfrog (*Litoria rheocola*), the Southern Cassowary (*Casuarius casuarius*), the Northern Quoll (*Dasyurus hallucatus*), and the Myola Palm (*Archontophoenix myolensis*).



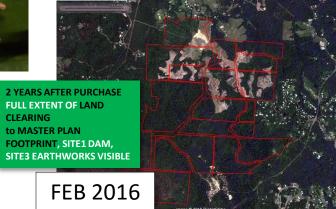
All 15 frog species are breeding on the property, as determined by the presence of calling males. The frog fauna consisted of 8 species of rainforest frogs and 7 frog species more typically associated with open forest or disturbed habitats. The rainforest frogs consisted of 6 stream-breeding species (*Litoria myola, Litoria serrata, Litoria jungguy, Litoria xanthomera, Mixophyes coggeri, Rana daemeli*) and two species (*Austrochaperina pluvialis* and *Cophixalus ornatus*) that breed on land.

The property has a nearly full compliment of the rainforest frogs that occur in the Kuranda region. The Mistfrog (*Litoria rheocola*) and the Australian Lacelid (*Litoria dayi*) were not

detected. *Litoria dayi* is known to occur at sites 1.5 km and 1.8 km from the property. The property has potentially suitable habitat for *Litoria dayi*, particularly on Haren and Owen Creeks (Fig. 4), but weather conditions during the survey period were not suitable for determining whether the species is present or not.

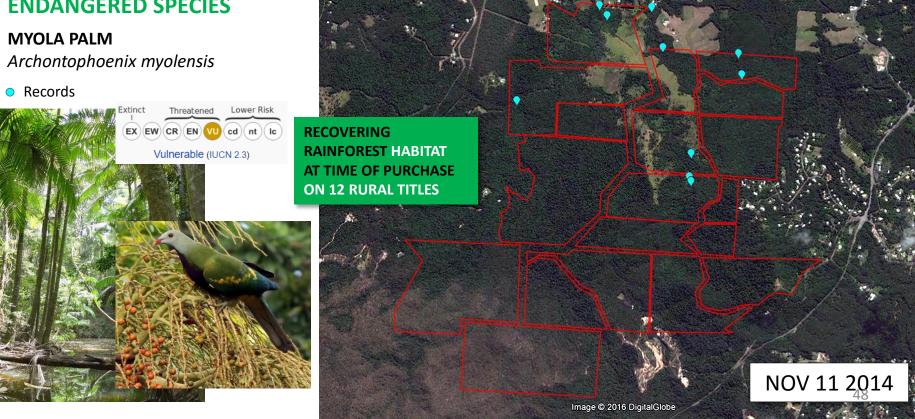






MATTERS OF
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# HIGH PROFILE ENDANGERED SPECIES



#### **MATTERS OF** NATIONAL ENVIRONMENTAL **SIGNIFICANCE**

### **HIGH PROFILE ENDANGERED SPECIES**

**MYOLA PALM** Archontophoenix myolensis Extinct (EX)(EW)(CR)(EN)(VU)(cd)(nt) Vulnerable (IUCN 2.3)

Dr Conrad Hoskin

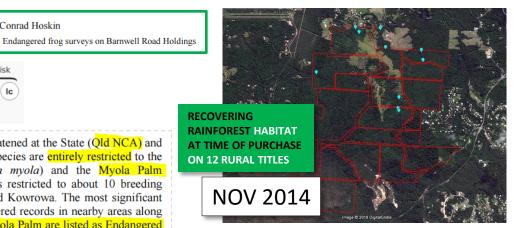
Records

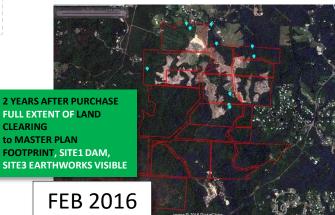
A number of species in the Kuranda area are listed as threatened at the State (Old NCA) and Federal/Commonwealth (EPBC) level. Two endangered species are entirely restricted to the Kuranda/Myola area—the Kuranda Tree Frog (Litoria myola) and the Myola Palm (Archontophoenix myolensis). The Kuranda Tree Frog is restricted to about 10 breeding streams that enter the Barron River between Kuranda and Kowrowa. The most significant stand of the Myola Palm occurs on Warril Ck, with scattered records in nearby areas along the Barron River. Both the Kuranda Tree Frog and the Myola Palm are listed as Endangered at the Queensland (NCA, 2014a; NCA, 2014b) and Federal (EPBC, 2016a; EPBC, 2016b) levels. Other Endangered species known from the Kuranda area include the Australian



A number of Archontophoenix palms were located along the streams and these likely represent Archontophoenix myolensis (given the close proximity to known stands). Archontophoenix myolensis is an endangered species under the EPBC Act.

birds or as a corridor for movement of adults and subadults). The remnant forest also buffers the downstream sections of the streams, in terms of maintaining natural water flow, water quality and sedimentation characteristics. It therefore contributes directly to the viability of downstream populations of Litoria myola and, potentially, Archontophoenix myolensis.





MATTERS OF
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# HIGH PROFILE ENDANGERED SPECIES

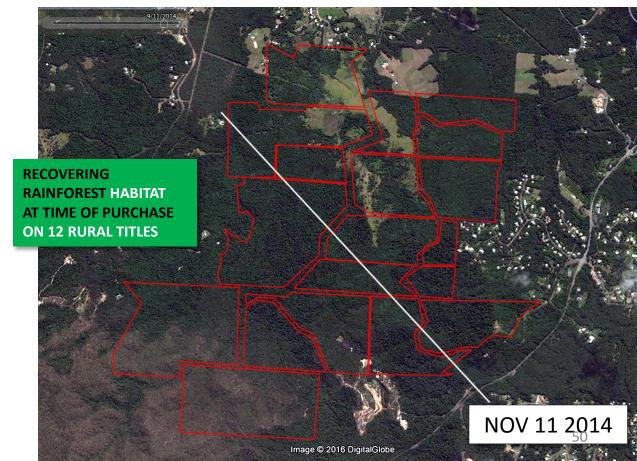
**SOUTHERN CASSOWARY** 

Casuarius casuarius



Suitable habitat





#### **MATTERS OF** NATIONAL ENVIRONMENTAL **SIGNIFICANCE**

### HIGH PROFILE **ENDANGERED SPECIES**

#### SOUTHERN CASSOWARY

Casuarius casuarius

Suitable habitat





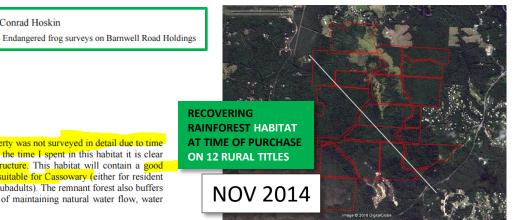
Vulnerable (IUCN 3.1)[1]

Extinct

The remnant forest in the southern half of the property was not surveyed in detail due to time constraints and access limitations. However, from the time I spent in this habitat it is clear that it is high quality rainforest with a mature structure. This habitat will contain a good diversity of fauna and flora and certainly appears suitable for Cassowary (either for resident birds or as a corridor for movement of adults and subadults). The remnant forest also buffers the downstream sections of the streams, in terms of maintaining natural water flow, water

A number of State (NCA) and Federally (EPBC Act) listed endangered species occur in the Kuranda area, including the Kuranda Tree Frog (Litoria myola), the Australian Lacelid frog (Litoria dayi), the Mistfrog (Litoria rheocola), the Southern Cassowary (Casuarius casuarius), the Northern Quoll (Dasyurus hallucatus), and the Myola Palm (Archontophoenix myolensis).

Dr Conrad Hoskin







**MATTERS OF** NATIONAL ENVIRONMENTAL **SIGNIFICANCE** 

### **HIGH PROFILE ENDANGERED SPECIES**

#### **SOUTHERN CASSOWARY**

Casuarius casuarius



Suitable habitat

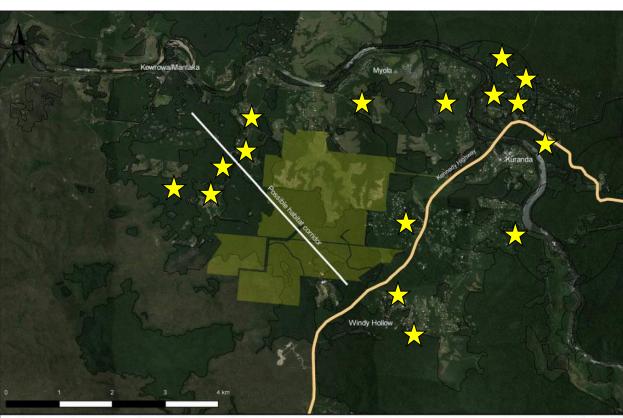


★ Local cassowary sightings



If a cassowary s#%!s in a rainforest and **no scientist** is around to record it, or anyone else does the cassowary exist?





Project area and mapped essential habitat for the southern cassowary

Project Area Essential habitat

Attachment

Prepared by ASTREBLA ECOLOGICAL SERVICES

#### **MATTERS OF** NATIONAL ENVIRONMENTAL **SIGNIFICANCE**

### **HIGH PROFILE ENDANGERED SPECIES**

#### SOUTHERN CASSOWARY

Casuarius casuarius



Suitable habitat



Local cassowary sightings



If a cassowary s#%!s in a rainforest and **no scientist** is around to record it, or anyone else does the cassowary **exist**?



Black mountain road Kuranda!

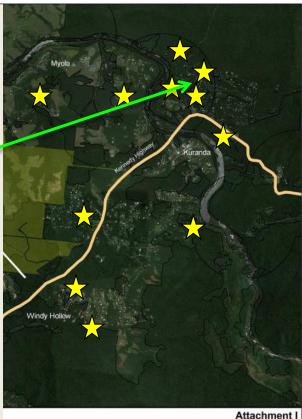




Kelvin Marshall added 3 new photos — Q looking for wildlife with Liz Gallie and 2 others at Q Kuranda National Park. August 9 at 7:05pm - Cairns, QLD - 24

In nearly 20 years of guiding here in the Wet Tropics I have never seen a pair of mating Cassowaries in the wild. I was recently walking in the rainforest just ...

See More



Prepared by ASTREBLA ECOLOGICAL SERVICES

# MATTERS OF NATIONAL ENVIRONMENTAL SIGNIFICANCE

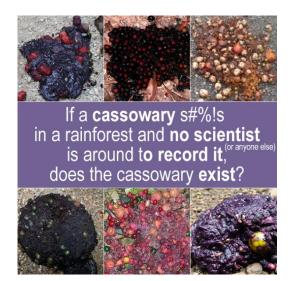
# HIGH PROFILE ENDANGERED SPECIES

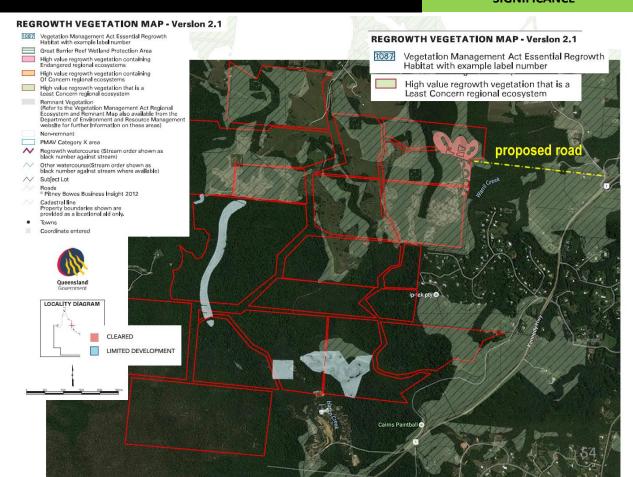
#### **SOUTHERN CASSOWARY**

Casuarius casuarius



Suitable habitat





MATTERS OF
NATIONAL ENVIRONMENTAL
SIGNIFICANCE

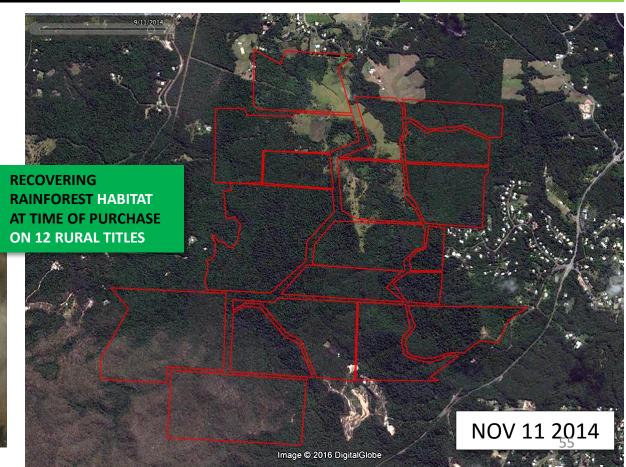
# HIGH PROFILE ENDANGERED SPECIES

**NORTHERN QUOLL** 

Dasyurus hallucatus

No data from survey





# MATTERS OF NATIONAL ENVIRONMENTAL SIGNIFICANCE

# HIGH PROFILE ENDANGERED SPECIES

**NORTHERN QUOLL** 

Dasyurus hallucatus

No data from survey



Dr Conrad Hoskin

Endangered frog surveys on Barnwell Road Holdings

#### Suggested actions for further surveys of endangered species

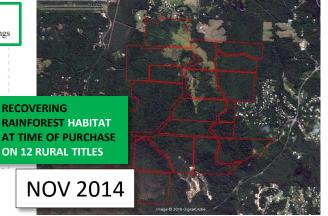
Determine the upstream limits of *Litoria myola* on the three streams it is known to occur (i.e., resolve the areas shaded yellow in Figure 3).

Perform targeted surveys for *Litoria dayi* in identified areas of potentially suitable habitat Haren Ck, Owen Ck, and upper Warril Ck (Fig. 4).

Resolve the identity of the Archontophoenix palms on the property.

Perform targeted surveys for Northern Quolls in lots 131N157491 and 290N157480.

Time and access limitations precluded surveying the drier forests in the south-west of the property (lots 131N157491 & 290N157480). The endangered Northern Quoll (*Dasyurus hallucatus*) may occur in this area given the habitat type and proximity to known records.



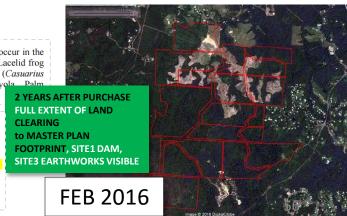
The focus of my surveys was frogs in the remnant and non-remnant rainforest vegetation on the property. Time and access constraints precluded wildlife surveys of the drier forest areas of the south-west sector of the property (lots 131N157491 & 290N157480). The habitat on these lots may be suitable for the Northern Quoll, which occurs in stregion.

A number of State (NC.)



A number of State (NCA) and Federally (EPBC Act) listed endangered species occur in the Kuranda area, including the Kuranda Tree Frog (Litoria myola), the Australian Lacelid frog (Litoria dayi), the Mistfrog (Litoria rheocola), the Southern Cassowary (Casuarius casuarius), the Northern Quoli (Dasyurus hallucatus), and the Myola Palm (Archontophoenix myolensis).

the Barron River. Both the Kuranda Tree Frog and the Myola Palm are listed as Endangered at the Queensland (NCA, 2014a; NCA, 2014b) and Federal (EPBC, 2016a; EPBC, 2016b) levels. Other Endangered species known from the Kuranda area include the Australian Lacelid frog (*Litoria dayi*), the Mistfrog (*Litoria rheocola*), the Southern Cassowary (*Casuarius casuarius*), and the Northern Quoll (*Dasyurus hallucatus*). These four species are also all listed as Endangered under the State (NCA) and Federal (EPBC) legislation. The legislation associated with these Acts impacts how developments can proceed in areas containing threatened species; hence thorough surveys are required.



MATTERS OF
NATIONAL ENVIRONMENTAL
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# HIGH PROFILE ENDANGERED SPECIES

KURANDA TREE FROG Litoria myola

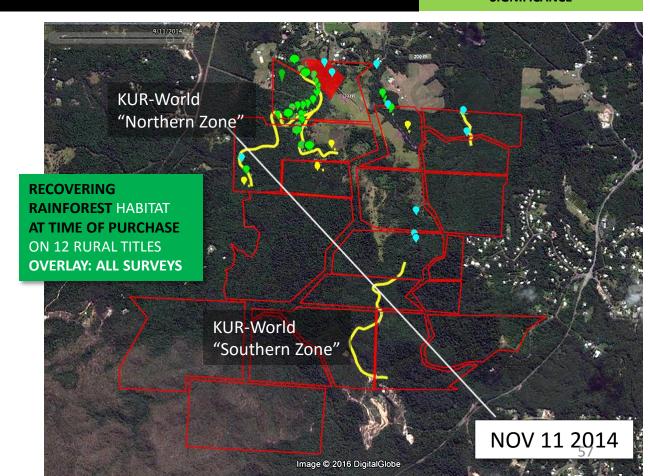
AUSTRALIAN LACELID FROG Litoria dayi

**MISTFROG** Litoria rheocola

**MYOLA PALM**Archontophoenix myolensis

**SOUTHERN CASSOWARY**Casuarius casuarius

NORTHERN QUOLL
Dasyurus hallucatus



MATTERS OF
NATIONAL ENVIRONMENTAL
SIGNIFICANCE

# HIGH PROFILE ENDANGERED SPECIES

KURANDA TREE FROG Litoria myola

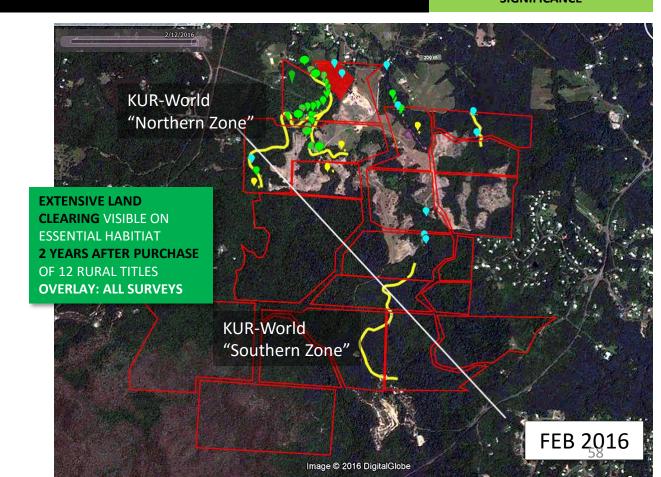
**AUSTRALIAN LACELID FROG** *Litoria dayi* 

**MISTFROG** *Litoria rheocola* 

**MYOLA PALM** *Archontophoenix myolensis* 

SOUTHERN CASSOWARY
Casuarius casuarius

NORTHERN QUOLL
Dasyurus hallucatus





MATTERS OF
NATIONAL ENVIRONMENTAL
SIGNIFICANCE

# HIGH PROFILE ENDANGERED SPECIES

KURANDA TREE FROG Litoria myola

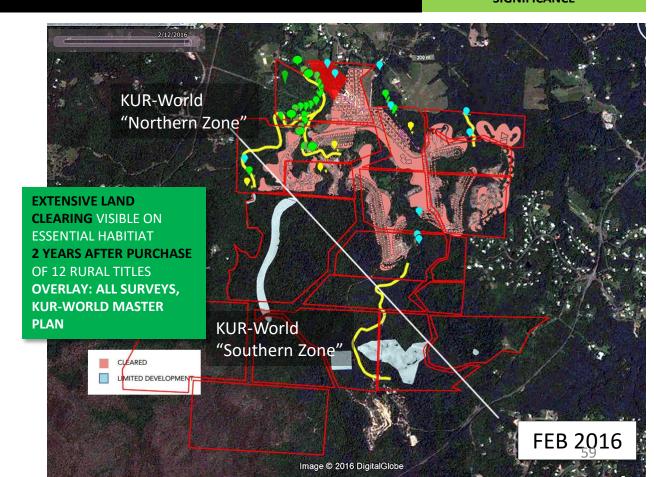
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**SOUTHERN CASSOWARY** *Casuarius casuarius* 

NORTHERN QUOLL
Dasyurus hallucatus



# MATTERS OF NATIONAL ENVIRONMENTAL SIGNIFICANCE

#### **HABITAT DESTROYED**

FEDERALLY LISTED
CRITICALLY ENDANGERED
KURANDA TREE FROG Litoria myola

- Unpermitted dam cut on ephemeral breeding habitat
- Creek below dam wall filled with sediment for hundreds of meters downstream

Fig 3. Close-up of *Litoria myola* records. *Litoria myola* records are shown as green symbols. Transparent green shading shows a buffer of approx. 100m wide on either side of stretches of creeks where *Litoria myola* was detected. Estimated potential upstream extents of *Litoria myola* are shown as yellow symbols, with a 100 m buffer (yellow shading) or either side of the creeks. The red shaded are is a creek that probably had *Litoria myola* but is now filled with sediment from the dam. The red symbol within this shading shows the potential former upstream extent of *L. myola* on this creek. This was determined as 200 m downstream from the top of this creek, which is the same distance as *L. myola* occurs from the top of the adjacent small creek (pink symbols and dashed lines).

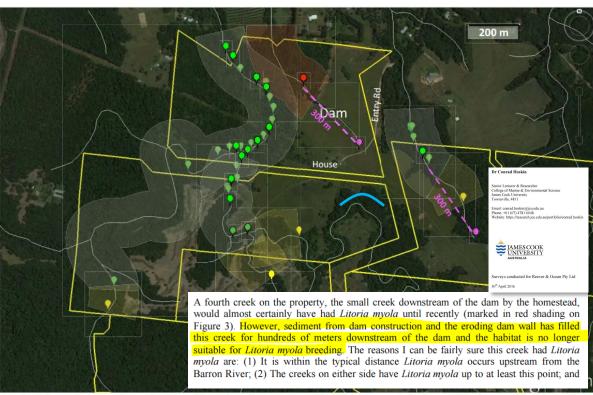


Fig. 3. Close-up of *Litoria myola* records. *Litoria myola* records are shown as green symbols. Transparent green shading shows a buffer of approx. 100 m wide on either side of stretches of creeks where *Litoria myola* was detected. Estimated potential upstream extents of *Litoria myola* are shown as yellow symbols, with a 100 m buffer (yellow shading) on either side of the creeks. The red shaded area is a creek that probably had *Litoria myola* but is now filled with sediment from the dam. The red symbol within this shading shows the potential former upstream extent of *L. myola* on this creek. This was determined as 300 m downstream from the top of the adiacent small creek (pink symbols and dashed lines).

#### **HABITAT DESTROYED**

FEDERALLY LISTED CRITICALLY ENDANGERED OCCURS ONLY IN LOCAL STREAMS IN MYOLA **KURANDA TREE FROG** Litoria myola

- Unpermitted dam cut on ephemeral breeding habitat
- Creek below dam wall filled with sediment for hundreds of metres. downstream

A Mareeba Shire Council spokesman said some regrowth had been removed.

"The consultant managing the property ... informed council that the clearing was undertaken to improve pastures integral to the cattle grazing use," he said.

The Department of Environment and Energy said it was looking into activities at the site.

Penalties of up to \$9 million could be imposed for any action "that has, will, or is likely to result in a significant impact on a matter of national environmental significance without a relevant approval".

### Cairns Post



### **Kuranda eco-resort under scrutiny** by environment watchdog

Daniel Bateman. The Cairns Post August 10, 2016 9:03am

## FACT CHECK: CULTURAL HERITAGE

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW HA

The proponent did not initiate a Cultural Heritage Assessment PRIOR to making major excavations on the land and extensive land clearing up to 200ha.

Cultural Heritage Party:

Djabugay-Bulway-Yirrgay-Nyakali-Guluy People



Project title: KUR-World Integrated Eco-resort

2.6 Public consultation (including with Indigenous stakeholders)

No public consultation has occurred at this stage.

#### 3.3 (i) Indigenous heritage values

The KUR-World project site is located within Djabugay country. No indigenous heritage values have been identified on the site to date.

## FACT CHECK: CULTURAL HERITAGE

## FAILURE IN DUTY OF CARE

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW HA

Cultural Heritage Party reference – no contact made with Gregory Bell.

Document advises 'proposed activity is a **Category 5** activity... activity should not proceed without cultural heritage assessment.'

Cultural heritage party for the area is:

QC Ref Number	QUD Ref Number	Party Name	Contact Details
QC2015/005		Nyakali-Guluy Péople	Gregory Bell North Queensland Land Council 61 Anderson Street MANUNDA QLD 4870 Phone: 07 4042 7000 Fax: 07 4042 7033

I refer to your application in which you requested advice on Aboriginal cultural heritage places recorded on the above location.

The Cultural Heritage Database and Register search has been completed and I would like to advise that no Aboriginal cultural heritage is currently recorded in your specific search area, from the data provided by you. However, it is probable that the absence of recorded Aboriginal cultural heritage places reflects a lack of previous cultural heritage surveys of the area. Therefore, our records are not likely to reflect a true picture of the Aboriginal cultural heritage values of the area.

I note that, pursuant to the Cultural Heritage Duty of Care Guidelines, you have advised that the proposed activity is a 'Category 5 activity'. As such, I take this opportunity to remind you that in accordance with those Guidelines:-

Where an activity is proposed under category 5 there is generally a high risk that it could harm

Aboriginal cultural heritage. In these circumstances, the activity should not proceed without cultural heritage assessment.

Where an activity is proposed under category 5, it is necessary to notify the Aboriginal Party and seek:

- (a) Advice as to whether the feature constitutes Aboriginal cultural heritage; and
- (b) If it does, agreement as to how best the activity may be managed to avoid or minimise harm to any Aboriginal cultural heritage.

I remind you also that the extent to which the person has complied with Cultural Heritage Duty of Care Guidelines and the extent to which the person consulted with Aboriginal parties about the carrying out of the activity, and the results of the consultation are factors a court may consider when determining if a party has complied with the duty of care.

Please refer to our website www.datsip.qld.gov.au/people-communities/aboriginal-and-torres-strait-islander-cultural-heritage for a copy of the gazetted Cultural Heritage duty of care guidelines, which set out reasonable and practical measures for meeting the duty of care.

Should you have any further queries, please do not hesitate to contact the approval officer on (07) 3405 3050.

Kind regards

## FACT CHECK: CULTURAL HERITAGE

## FAILURE IN DUTY OF CARE

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW HA

The proponent has failed to take reasonable and practical measures or responsibility to his Cultural Heritage Duty of Care **PRIOR** to making major excavations on the land and extensive land clearing up to 200ha.



### Aboriginal Cultural Heritage Act 2003

Current as at 31 March 2013—revised version

Part 3 Protection of Aboriginal cultural heritage

Division 1 Key cultural heritage protection provisions

#### 23 Cultural heritage duty of care

 A person who carries out an activity must take all reasonable and practicable measures to ensure the activity does not harm Aboriginal cultural heritage (the cultural heritage duty of care).

#### Maximum penalty-

- (a) for an individual—1000 penalty units;
- (b) for a corporation—10,000 penalty units.
- (2) Without limiting the matters that may be considered by a court required to decide whether a person has complied with the cultural heritage duty of care in carrying out an activity, the court may consider the following—

- the nature of the activity, and the likelihood of its causing harm to Aboriginal cultural heritage;
- the nature of the Aboriginal cultural heritage likely to be harmed by the activity;
- (c) the extent to which the person consulted with Aboriginal parties about the carrying out of the activity, and the results of the consultation:
- (d) whether the person carried out a study or survey, of any type, of the area affected by the activity to find out the location and extent of Aboriginal cultural heritage, and the extent of the study or survey;
- (e) whether the person searched the database and register for information about the area affected by the activity;
- the extent to which the person has complied with cultural heritage duty of care guidelines;
- (g) the nature and extent of past uses in the area affected by the activity.

**DAM** WATER FEATURE ON RESIDENTIAL 'LIFESTYLE VILLAS'

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW \_\_\_\_\_HA

URGENT REMEDIATION REQUIRED on dam wall - by experts - prior to WET SEASON 2016. URGENT REMEDIATION REQUIRED to remove sedimentation material hundreds of metres downstream that will be picked up and moved to the Barron River WET SEASON 2016. ONGOING downstream residents wanting assurances for if/ when the dam wall breaks.

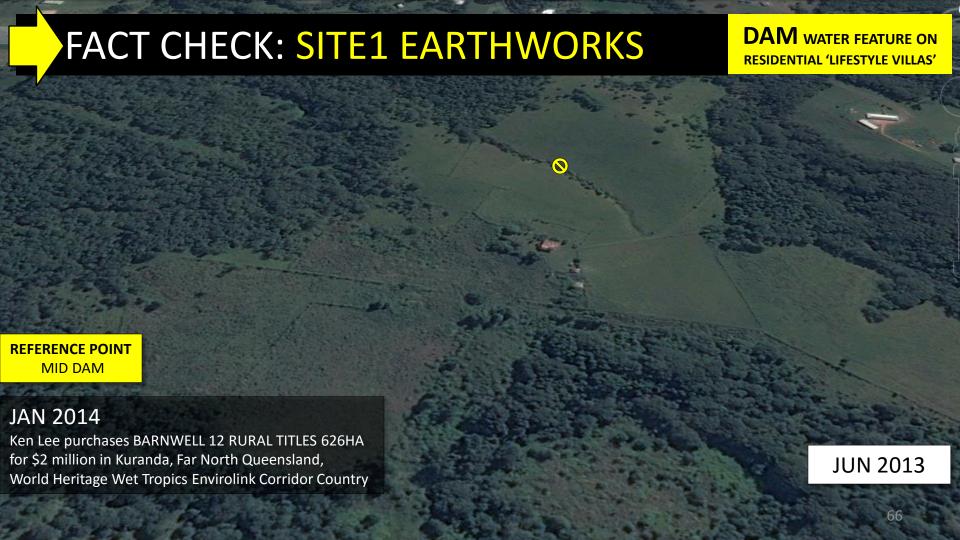
The massive dam (CAPACITY is not documented in council application or approval docs, dam height in docs is not ACTUAL HEIGHT) was discovered by Mareeba Shire Council after adjoining residents repeated concerns were raised by phone and email.

The dam was ordered stop work mid-December by MSC.

A rain event in the same month saw the **first sediment load from the dam** wall destroy hundreds of metres of Kuranda Tree Frog Litoria myola breeding habitat in the creek behind the dam wall. The actually gully that was cut and dammed – was an ephemeral creek breeding habitat – that is obviously now totally destroyed.

The destroyed creek behind the dam wall is also habitat to fellow endangered species, the magnificent Myola Palm *Archontophoenix myolensis*.

UNPERMITTED
SITE1 EARTHWORKS



**DAM** WATER FEATURE ON RESIDENTIAL 'LIFESTYLE VILLAS'

REFERENCE POINT
MID DAM

First Google Earth image to show SITE1 EARTHWORKS: DAM

FEB 2016

**DAM** WATER FEATURE ON RESIDENTIAL 'LIFESTYLE VILLAS'



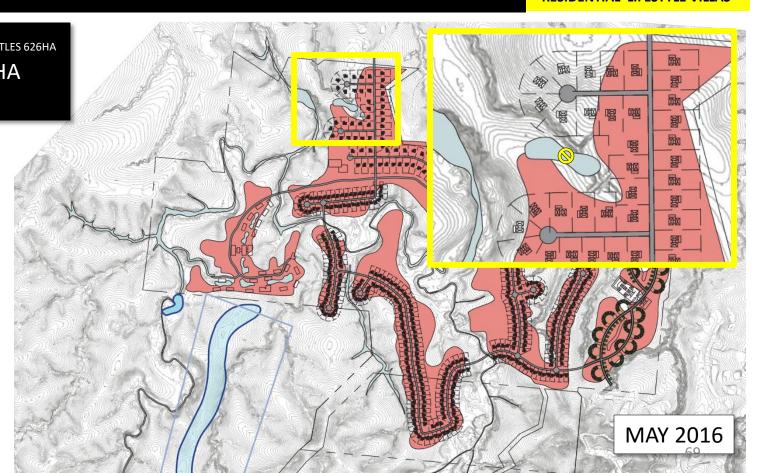


DAM WATER FEATURE ON RESIDENTIAL 'LIFESTYLE VILLAS'

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW \_\_\_\_\_HA

Dam footprint on KUR-World Initial Advice Statement (IAS) Master Plan as water feature on urban residential blocks in 'Lifestyle Villas' suburb

REFERENCE POINT
MID DAM





## DAM WATER FEATURE ON RESIDENTIAL 'LIFESTYLE VILLAS'

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW \_\_\_\_\_HA

Dam footprint on KUR-World Initial Advice Statement (IAS) Master Plan as water feature on urban residential blocks in 'Lifestyle Villas' suburb

JUL 28 2016 **KUR-COW PTY LTD** Company Name: KUR-COW PTY LTD Company Current Name: Company Status (): Registered ABN: ACN: 613 933 029 Company Type: Australian proprietary company Company Class: Limited by Shares Company Subclass: PROP () Locality Not recorded Date of registration 07/28/16

**KUR-Cow Pty Ltd, the 'lawfully established grazing operations'** was not registered until after the dam was approved.

There are no allocated hectares for KUR-Cow 'lawfully established grazing operations' on the KUR-World Master Plan which is packed to the rafters with urban residential subdivision blocks and fluffy 'eco-resort'.

SITE1 was earthworked from existing fenced cattle yard to first land release footprint.

JUL 20 2016

#### EXECUTIVE SUMMARY

Council is in receipt of an impact assessable development application described in the above application details. During the mandatory public notification period, six (6) submissions were received objecting to the proposed development.

The applicant proposes the construction of a water storage dam over an existing seasonal gully with an approximate surface area of 1.3 hectares and a finished dam wall height of approximately eight (8) metres. The dam construction was nearing completion in mid-

Page 59



Mareeba Shire Council - Agenda

Wednesday 20 July 2016

December 2015 when Council was first made aware of the works, which were subsequently stopped at the request of Council officers. In recognition of the environmental values found throughout the Myola zone, when drafting the Mareeba Shire Planning Scheme 2004, it was decided to make operational works involving the excavation or filling of more than 50 cubic metres of material, impact assessable development.

The application and supporting documentation has been assessed against the relevant statutory planning instruments including the FNQ Regional Plan, the State Planning Policy and the Mareeba Shire Planning Scheme 2004 and does not conflict with any relevant planning instrument.

The key issues with the proposed development are ensuring the dam wall is constructed to the appropriate standards and erosion and sediment control is appropriately managed. The dam is intended to support lawfully established grazing operations and as such, no consideration has been given to any potential future use as part of the potential KUR-world concept.

It is recommended that the application be approved in full, subject to conditions.



## DAM WATER FEATURE ON RESIDENTIAL 'LIFESTYLE VILLAS'

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW PLANT HA

Dam footprint on KUR-World Initial Advice Statement (IAS) Master Plan as water feature on urban residential blocks in 'Lifestyle Villas' suburb

Do the Federally protected matters of national environmental significance not count in the Queensland State Planning Policy?



JUL 20 2016

Mareeba Shire Council - Agenda

Wednesday 20 July 2016

State Planning Policy is not reflected in the Planning Scheme and is, therefore, applicable to the assessment of the application.

An officer assessment of the proposed development against the provisions contained within the SPP has been undertaken, and it is not considered to be in conflict with any relevant aspect of the SPP.

Queensland State Planning Policy - July 2014						
State Interest	Complies	Assessment Requirements & Comments				
Biodiversity  A development application where the land relates to a matter of state environmental significance, if the application is for:  (a) operational work, or  (b) a material change of use other than for a dwelling house, or  (c) reconfiguring a lot that results in more than six lots or lots less than five hectares.	<b>Y.</b>	Development:  (1) identifies any potential significant adverse environmental impacts on matters of state environmental significance, and  (2) manages the significant adverse environmental impacts on matters of state environment significance by, in order of priority:  (a) avoiding significant adverse environmental impacts, and  (b) mitigating significant adverse environmental impacts where these cannot be avoided, and  (c) where applicable, offsetting any residual adverse impacts.  Comment  The proposed dam will not impact on any mapped MSES (regulated vegetation). Conditions will be attached to any approval requiring the preparation of an Erosion and Sediment Control Plan to manage runoff during and after the construction of the dam.				



## DAM WATER FEATURE ON RESIDENTIAL 'LIFESTYLE VILLAS'

IIII 20 2016

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW \_\_\_\_\_\_HA

Dam footprint on KUR-World Initial Advice Statement (IAS) Master Plan as water feature on urban residential blocks in 'Lifestyle Villas' suburb On the same day the dam was approved at the Mareeba Shire Council 30 km away, the sedimentation from the poorly built dam had trashed Federally protected matters of national environmental significance Kuranda Tree Frog and Myola Palm habitat in a MINOR RAIN EVENT.

DEO	Complies	Comments
Significant natural features such as the dense tropical rainforest adjoining the Wet Tropics area, the savannas, the major river systems, wetlands and wildlife corridors, areas identified in the Areas of Regional significance for the Conservation of Biodiversity under the FNQ Regional Plan are protected	*	Clearing of regrowth vegetation has already been undertaken on the subject land to facilitate the grazing use. No further vegetation clearing will occur in the construction of the proposed dam.  Conditions will be attached to any approval requiring the preparation of an Erosion and Sediment Control Plan to minimise sedimentation of downstream Owen Creek during and after construction.

This is the same creek Conrad Hoskin notes in his report as no longer being suitable habitat due to sedimentation hundreds of metres downstream of the dam wall.

The dam was **built in December 2015** – 6 months prior to being approved. As the dam was UNPERMITTED – Erosion and Sediment Control Plan not active.



**DAM** WATER FEATURE ON RESIDENTIAL 'LIFESTYLE VILLAS'

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW \_\_\_\_\_HA

8 months after Dam was built poor grass cover on shoulders and poor compaction riffles evident

REFERENCE POINT
DAM – BELOW WALL

REFERENCE POINT MID DAM



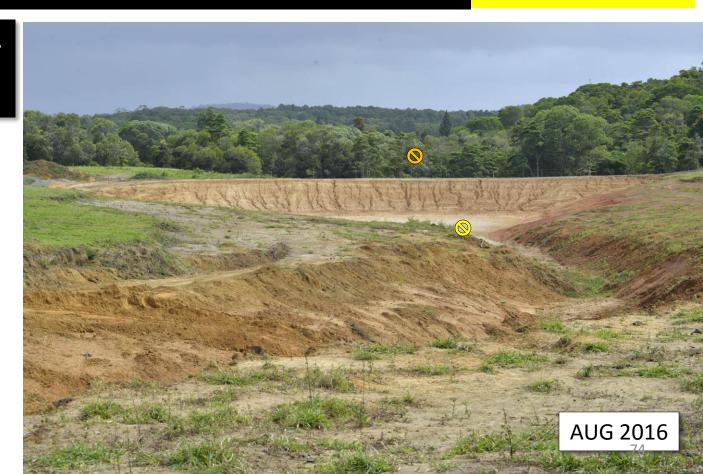
DAM WATER FEATURE ON RESIDENTIAL 'LIFESTYLE VILLAS'

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW HA

AUG 2016 dam new machine work visible

REFERENCE POINT
DAM – BELOW WALL

REFERENCE POINT MID DAM



**DAM** WATER FEATURE ON RESIDENTIAL 'LIFESTYLE VILLAS'

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW \_\_\_\_\_HA

## Behind the DAM WALL,

as noted by Conrad Hoskins report from FEB 2016: "The red shaded area is a creek that probably had *Litoria myola* but is now filled with sediment from the dam."

**REFERENCE POINT**DAM – BELOW WALL

\* URGENT REMEDIATION REQUIRED TO REMOVE SEDIMENTATION MATERIAL



**DAM** WATER FEATURE ON RESIDENTIAL 'LIFESTYLE VILLAS'

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW HA

Dam cut SEP-DEC 2015 still destroying ENDANGERED SPECIES HABITAT, sediment has reached the Barron River and is waiting for Wet Season Delivery to World Heritage Great Barrier Reef.

### **6 MONTHS LATER**,

sediment below DAM
WALL after MINOR RAIN
EVENT, in ENDANGERED
SPECIES Kuranda Tree Frog
and Myola Palm recorded
habitat.

REFERENCE POINT
DAM – BELOW WALL

\* URGENT REMEDIATION REQUIRED TO REMOVE SEDIMENTATION MATERIAL





BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW PHA

This area of the property was a large fenced cattle paddock as can be seen from earlier Google Earth images. The unpermitted earthworks for this part of the KUR-World Master Plan started after Feb 2016 and was mostly completed by July 2016, as visible from aerial images.

The land preparation for the first urban residential land release 600m2 lines up on the KUR-World Master Plan.

These major earthworks are upslope of Haren Creek where downstream habitat can be found for two Federally protected frog species. Inadequate soil and erosion controls in place at time of earthworks, discernible from aerials.

Two newly cut sediment pits were documented at the bottom of the site – cut only a week ahead of the proponent's EHP inspection on 17 August 2016.

# UNPERMITTED SITE2 EARTHWORKS





URBAN SUBDIVISION FIRST LAND RELEASE

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW HA

Fenced cattle paddock earth-worked to KUR-World Master Plan footprint

REFERENCE POINT
SITE2 EARTHWORKS



URBAN SUBDIVISION FIRST LAND RELEASE

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW HA

HAREN CREEK DOWNHILL
FROM SITE2.
DOWNSTREAM HABITAT FOR
MATTERS OF ENVIRONMENTAL
SIGNIFICANCE - KURANDA
TREE FROG (Litoria myola)
AND AUSTRALIAN LACELID
(Litoria dayi)

**REFERENCE POINT**SITE2 EARTHWORKS



URBAN SUBDIVISION FIRST LAND RELEASE

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW \_\_\_\_\_\_HA

URBAN SUBDIVISION FOOTPRINT AHEAD OF APPROVALS ABOVE HAREN CREEK. NO SOIL AND EROSION CONTROL VISIBLE AT TIME OF EARTHWORKS

**REFERENCE POINT**SITE2 EARTHWORKS



URBAN SUBDIVISION FIRST LAND RELEASE



BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW PHA

The early photo of homestead shows SITE3 in the foreground and the dam back right. SITE3 looks to be filled with cut from the dam.

Further excavations under the fill into natural ground can be seen in the catchment above Haren Creek, upstream of Federally protected frog habitat.

Unknown if any Soil and Erosion Plan was designed and implemented on this site. Community access to creek for assessment of sedimentation has not been done. Unknown if any remediation is required on SITE3.

# UNPERMITTED SITE3 EARTHWORKS



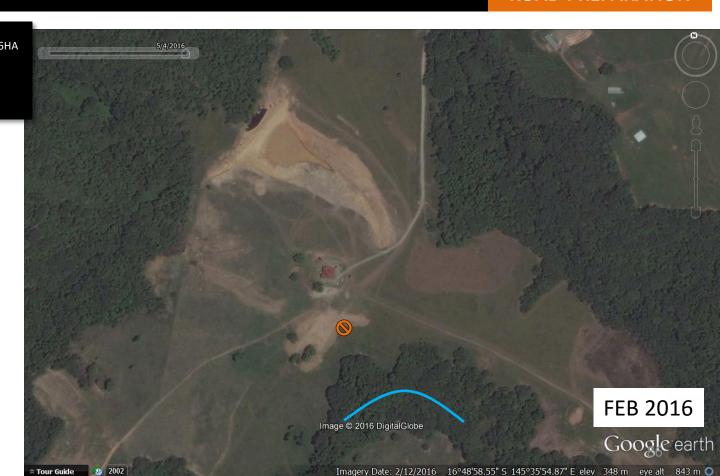


BRIDGE LAUNCH / ROAD PREPARATION

BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW \_\_\_\_\_\_HA

Google Earth image shows unpermitted SITE3 was started prior to February 2016

**REFERENCE POINT**SITE3 EARTHWORKS

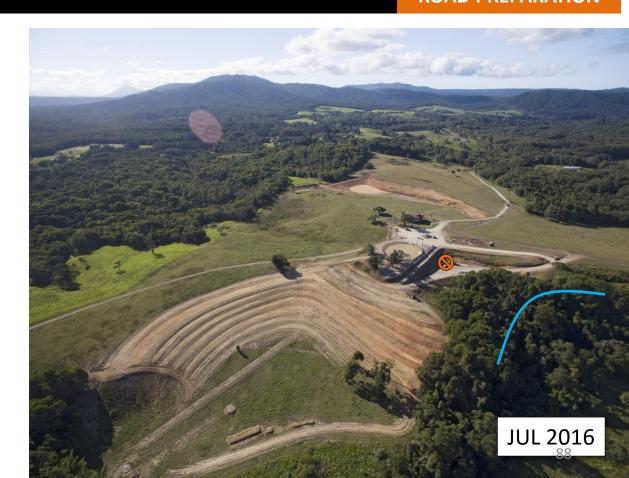




BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW PHA

Aerial image July 2016 shows unpermitted SITE3 EARTHWORKS as completed

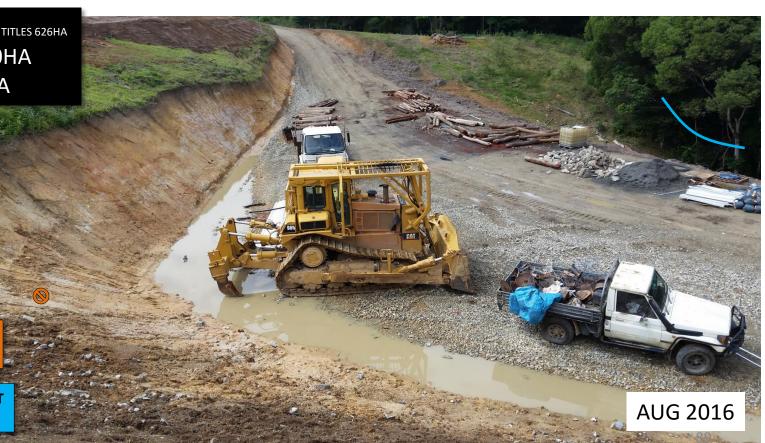
**REFERENCE POINT**SITE3 EARTHWORKS



BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW HA

Size of
excavation with
Haren Creek
below cut.
Unknown if Soil
and Erosion Plan
active at time of
earthworks.

**REFERENCE POINT**SITE3 EARTHWORKS



BARNWELL 12 RURAL TITLES 626HA
KUR-WORLD 230HA
KUR-COW HA

Size of
excavation with
Haren Creek
below cut.
Unknown if Soil
and Erosion Plan
active at time of
earthworks.



**REFERENCE POINT**SITE3 EARTHWORKS



## MASTER PLAN FLAW #1

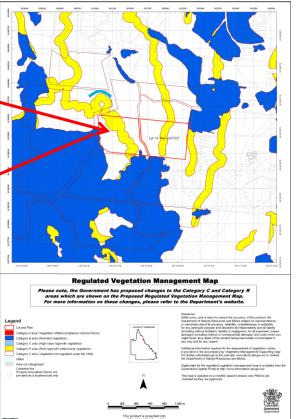
**Is the proponent, Ken Lee, planning to clear RIPARIAN BUFFER ZONES** (native forest zones on protected waterways) for the proposed KUR-World 18 HOLE GOLF COURSE?

URGENT when is this clearing scheduled to commence? Activity is illegal.

Category R area (Reef regrowth watercourse vegetation)

KUR-WORLD GOLF CLUB AND PREMIUM VILLAS





MASTER PLAN FLAW #1

Is the proponent, Ken Lee, planning to clear (native forest zones on protected waterways) for the proposed KUR-World 18 HOLE GOLF COURSE? **MASTER PLAN FOR 18 HOLE GOLF COURSE OVERLAY** Pettigee Kuranda Rainforest Retreat REFERENCE POINT HAREN CREEK



Is the proponent, Ken Lee, planning to clear RIPARIAN BUFFER ZONES

(native forest zones on protected waterways) for the proposed KUR-World 18 HOLE GOLF COURSE?

Promo video shows Haren Creek cleared completely to the waterbody

**REFERENCE POINT**ORIGINAL HOMESTEAD



MASTER PLAN FLAW #1

Is the proponent, Ken Lee, planning to clear RIPARIAN BUFFER ZONES

(native forest zones on protected waterways) for the proposed KUR-World 18 HOLE GOLF COURSE?

Thankfully protected frog creeks haven't yet been cleared to the waterbodies

REFERENCE POINT
ORIGINAL HOMESTEAD

REFERENCE POINT HAREN CREEK

Image © 2016 DigitalGlobe

Google earth

MASTER PLAN FLAW #1

Is the proponent, Ken Lee, planning to clear RIPARIAN BUFFER ZONES

(native forest zones on protected waterways) for the proposed KUR-World 18 HOLE GOLF COURSE?

Thankfully protected frog creeks haven't yet been cleared to the waterbodies

**REFERENCE POINT**ORIGINAL HOMESTEAD

REFERENCE POINT
HAREN CREEK

Image © 2016 DigitalGlobe

Googleearth

MASTER PLAN FLAW #1

Is the proponent, Ken Lee, planning to clear RIPARIAN BUFFER ZONES

(native forest zones on protected waterways) for the proposed KUR-World 18 HOLE GOLF COURSE?

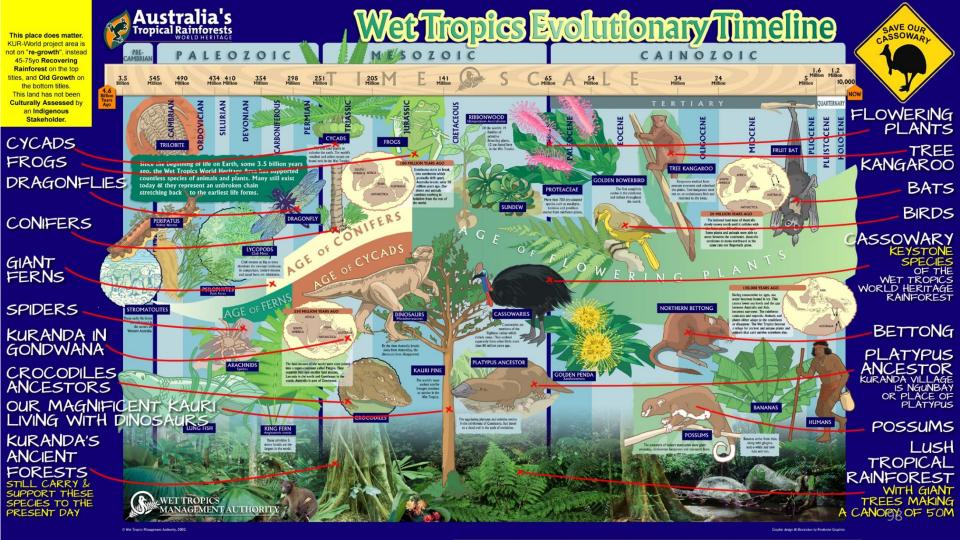
Thankfully protected frog creeks haven't yet been cleared to the waterbodies

**REFERENCE POINT**ORIGINAL HOMESTEAD

REFERENCE POINT HAREN CREEK

Image @ 2016 DigitalGlobe

Google earth





# UNPERMITTED ACTIVITIES

	ACTIVITY	LEGAL ENTITY	DESCRIPTON	RELEVANT ACT / LEGISLATION	PENALTY
A	LAND CLEARING: Area mapped as 'high risk' on flora trigger map. Flora and survey and report was not conducted prior to clearing	KEN LEE/ REEVER AND OCEAN PTY LTD	BREACH REPORTED 17 SEP 2015 SIMON DANIELSEN (ASTREBLA)	Section 256 Nature Conservation (Wildlife Management) Regulation 2006 Department of Environment and Heritage Protection	MIN: \$ MAX: \$
В	MATTERS OF NATIONAL ENVIRONMENTAL SIGNIFICANCE: Unpermitted operational works have directly affected Federally listed endangered species on the 12 Rural Titles	KEN LEE/ REEVER AND OCEAN PTY LTD	Evidence of significant impacts on multiple Federally listed endangered species	<ul> <li>Environment Protection and Biodiversity         Conservation Act 1999 (EPBC) #4 Listed         threatened species and ecological communities.</li> <li>Quote from Cairns Post 10 August: The         Department of Environment and Energy said it         was looking into activities at the site. Penalties         of up to \$9 million could be imposed for any         action "that has, will, or is likely to result in a         significant impact on a matter of national         environmental significance without a relevant         approval".</li> </ul>	MIN: \$ MAX: \$9m
С	CLEARING CATEGORY R AREA (REEF REGROWTH WATERCOURSE) TO UNDER 10 M	KEN LEE/ REEVER AND OCEAN PTY LTD	Evidence on the site		MIN: \$ MAX: \$



# UNPERMITTED ACTIVITIES

	ACTIVITY	LEGAL ENTITY	DESCRIPTON	RELEVANT ACT / LEGISLATION	PENALTY
D	EXTENSIVE LAND CLEARING (up to 200HA): TO KUR-WORLD FOOTPRINT AHEAD OF APPROVALS	KEN LEE/ REEVER AND OCEAN PTY LTD	<ul> <li>Unpermitted land clearing up to 200ha</li> <li>First flora trigger / survey / report published SEP 2015 after most clearing was already done, by OCT 2015 (Google Earth)</li> <li>Sediment from land clearing on Warrill catchment on eastern titles reached the Barron River (photo / video)</li> </ul>	Section 256 Nature     Conservation (Wildlife     Management) Regulation 2006     Department of Environment     and Heritage Protection	MIN: \$ MAX: \$
E	SITE1 EARTHWORKS: DAM / WATER FEATURE TO KUR-WORLD FOOTPRINT AHEAD OF APPROVALS	KEN LEE/ REEVER AND OCEAN PTY LTD	<ul> <li>Unpermitted, excavated site greater than 50m3, above Owen Creek</li> <li>Sediment documented 'hundreds of meters downstream' from the dam wall – habitat destroyed</li> </ul>		MIN: \$ MAX: \$
F	SITE2 EARTHWORKS: URBAN SUBDIVISION FIRST LAND RELEASE TO KUR-WORLD FOOTPRINT AHEAD OF APPROVALS	KEN LEE/ REEVER AND OCEAN PTY LTD	<ul> <li>Unpermitted, excavated site greater than 50m3, above Haren Creek</li> <li>Unknown sedimentation in Haren Creek below earthworks</li> </ul>		MIN: \$ MAX: \$
G	SITE3 EARTHWORKS: BRIDGE LAUNCH/ ROAD PREP TO KUR-WORLD FOOTPRINT AHEAD OF APPROVALS	KEN LEE/ REEVER AND OCEAN PTY LTD	<ul> <li>Unpermitted, excavated site greater than 50m3, above Haren Creek</li> <li>Unknown sedimentation in Haren Creek below earthworks</li> </ul>		MIN: \$ MAX: \$



# UNPERMITTED ACTIVITIES

	ACTIVITY	LEGAL ENTITY	DESCRIPTON	RELEVANT ACT / LEGISLATION	PENALTY
Н	TIMBER GETTING (LOGGING): OLD- GROWTH RAINFOREST SPECIES LOGGED ON PROPERTY DURING LAND CLEARING	KEN LEE/ REEVER AND OCEAN PTY LTD	Cairns Post quote 'Large standing cabinet timber trees'		MIN: \$ MAX: \$
I	<b>HOMESTEAD RENOVATION</b> – no council permit	KEN LEE/ REEVER AND OCEAN PTY LTD	Extensive renovations on original homestead		MIN: \$ MAX: \$
J	<b>OPERATIONAL WORKS</b> – outside permitted hours	KEN LEE/ REEVER AND OCEAN PTY LTD	Residents document machine noise outside permitted hours		MIN: \$ MAX: \$

#### WHO'S FACT CHECK: EXTRAS WHO **MAREEBA DR CONRAD SHIRE KEN LEE HOSKIN JAMES** COUNCIL **COOK UNIVERSITY FEB 2014 OCT 2014 REEVER AND OCEAN URBAN SYNC PTY LTD PTY LTD CAIRNS TOWN PLANNER** SIMON DANIELSEN PRINCIPAL ECOLOGIST ASTREBLA ECOLOGICAL CULTURAL HERITAGE **WGC LAWYERS SERVICES CAIRNS AUG 2014 REEVER AND OCEAN CAPITAL MANAGEMENT LIMITED (HK) CONTRACTORS** COMMONWEALTH LAND CLEARING, **Environment Protection** and Biodiversity **REMOVAL OF Conservation Act 1999** 'CABINET TIMBER TREES', DAM, SITE2 **MAY 2016** REGION PEOPLE EARTHWORKS, **REEVER AND OCEAN** SITE3 **DEVELOPMENTS PTY LTD** EARTHWORKS, STATE **HOMESTEAD** COORDINATED **RENOVATION JULY 2016 PROJECT KUR-COW PTY LTD KUR-COW RESEARCH PTY LTD**

# **TIMELINE JAN 2014 – JUL 2016**

V						
2014 FIRST HALF	Rumour has it that new owner Ken Lee approached a Cairns Town Planner and discussed high-density urban subdivision on					
	Barnwell 626ha. This company was not engaged by Ken Lee.					
2014 JANUARY	Ken Lee purchased historically zoned Barnwell 12 Rural Title 626ha for \$2million					
2014 FEBRUARY	Ken Lee registered Australian company 'Reever and Ocean Pty Ltd'					
2014 AUGUST	Ken Lee registered Hong Kong company 'Reever and Ocean Capital Management Limited'					
2014 OCTOBER	Stuart and Mandy Ricketts register Urban Sync Pty Ltd					
	Why engage a Town Planner if you're not planning a town?					
2014 NOVEMBER	First Youtube video produced by Urban Sync for Ken Lee 'Peak Ranch' published					
2015 MAY	Land preparation and clearing underway on Google Earth images					
2015 JUNE	Simon Danielsen generates EPBC Protected Matters Report, on behalf of proponent, listing 2 Critically Endangered, 20 Endangered and 13 Threatened (Vulnerable) species					
2015 JUNE	First Google Earth image to show that clearing and scraping back the land had started on Barnwell.					
2015 JULY	Simon Danielsen generates Protected Plants Flora Survey Trigger Map, on behalf of proponent, which triggers the 12 titles.					
2015 AUGUST	Urban Sync creates the working document for the Referral of proposed action (footer date on EPBC inserted doc)					
2015 SEPTEMBER	Simon Danielsen Principal Ecologist Astrebla Ecological Services (unregistered entity) reports to Department Environment and Heritage Protection land 'cleared in breach of s.256'					
	EPBC doc notes unpublished report by Danielsen, S. 2015 Astrebla Ecological Services (unregistered entity)					
2015 NOVEMBER	Simon Danielsen registers business Astrebla Ecological Services					
2015 NOVEMBER	Simon Danielsen Principal Ecologist Astrebla Ecological Services second report published					
2015 DECEMBER	Full extent of land clearing up to 200ha visible on Google Earth					
2015 DECEMBER	Dam completed on property – stop work ordered by Mareeba Shire Council after community reports 103					

CONT.		
2015 DECEMBER	Ministerial Diary Curtis Pitt MP - Meeting with Harry Sou and Ken Lee of Reever and Ocean Pty Ltd	
2016 FEBRUARY	Dam and Site2, Site3 Earthworks appear on Google Earth for the first time	
2016 FEBRUARY	Retrospective Dam application submitted to council	
2016 MARCH	Road closure request submitted on KUR-World proposed site	
2016 APRIL	Mareeba Shire Council approves road closure on KUR-World proposed site (following month)	
2016 APRIL	KUR-WORLD.COM domain name is purchased by Ken Lee's Australian company Reever and Ocean Pty Ltd	
	EPBC doc notes unpublished report by Hoskin, C., 2016	
2016 APRIL	Dr Conrad Hoskins second report published	
2016 MAY	Ken Lee registers Australian company Reever and Ocean Developments Pty Ltd	
2016 MAY	KUR-COW.COM domain name purchased by Ken Lee's Australian company Reever and Ocean Pty Ltd	
2016 MAY	EPBC Referral of proposed action for 'KUR-World' submitted by Reever & Ocean Developments Pty Ltd	
	KUR-Cow 'lawfully established grazing operations' not accounted for on master plan footprint	
2016 MAY	Initial Advice Statement (IAS) submitted by Reever & Ocean Developments Pty Ltd	
2016 JULY	KUR-World proposal is declared a State Coordinated Project	
	Why would a 'lawfully established grazing operation' be a State Coordinated Project?	
2016 JULY	3rd Cairns Post article, first mention of 'KUR-Cow'	
2016 JULY	Retrospective dam approval by Mareeba Shire Council 20 July	
2016 JULY	KUR-Cow Pty Ltd, KUR-Cow Research Pty Ltd registered 28 July	104



MANDY RICKETTS

LEAVES HER

EMPLOYMENT OF

5 YEARS IN 2014

STUART AND

MANDY

RICKETTS

REGISTER NEW

COMPANY

**URBAN SYNC** 

**PTY LTD** 

**OCT 2014** 

## TIMELINE JAN 2014 - MAY 2016

MINISTERIAL

MEETING WITH

**CURTIS PITT. KEN** 

**LEE, HARRY SOU** 

**DEC 2015** 

MAREEBA

SHIRE

COUNCIL

KEN LEE

**PURCHASES BARNWELL 12 RURAL TITLES 626HA PRIVATE** SALE \$2M

JAN 2014

FEB 2014

KEN LEE REGISTERS REEVER AND OCEAN **PTY LTD** 

PROPERTY AS IT

WAS AT TIME OF

**PURCHASE** 

AUG 2014

HONG KONG COMPANY REEVER AND OCEAN CAPITAL MANAGEMENT LIMITED

KEN LEE REGISTERS

NOV 11 2014

URBAN SYNC PTY LTD PRODUCES 'PEAK RANCH' CONCEPT VIDEO FOR REEVER

SIMON DANIELSEN

**LEAVES EMPLOYMENT AT** GHD PTY LTD CAIRNS AFTER 3 YEARS, 9 MONTHS AND \*STARTS **ASTREBLA ECOLOGICAL** SERVICES

\*operates under this name until it's reaistered in NOV 2015

APR 2015

**NOV 2014** 

AND OCEAN PTY LTD



STUART RICKETTS

LEAVES HIS **EMPLOYMENT OF** 12 YEARS AT RPS **GROUP & GOES** FULLTIME AT **URBAN SYNC PTY** LTD

**MAY 2015** 

ADJOINING RESIDENTS START TO REPORT **ONGOING** MACHINE NOISE ON FACEBOOK AND TO **MAREEBA SHIRE** 

COUNCIL

**SIMON** DANIELSEN **GENERATES** EPBC ACT **PROTECTED** 

MATTERS

REPORT

JUN 2015

**GENERATES** PROTECTED

JUL 2015

PLANTS FLORA SURVEY TRIGGER MAP

SIMON

**DANIFLSEN** 

**NOV 2014** 

SIMON DANIELSEN REGISTERS ASTREBLA ECOLOGICAL

ASTREBLA ECOLOGICAL SERVICES SECOND SURVEY **PUBLISHED** 

CLEARING AND LAND PREP MOSTLY COMPLETED TO OCT 23 2015 MASTER PLAN

SEP 2015

**SIMON** DANIELSEN WRITES LETTER

ON BEHALF OF **REEVER AND OCEAN PTY LTD** TO "SELF-REPORT"

TO EHP

STOPS WORK **EXTENSIVE** ON THE DAM CLEARING ON PROPERTY

KEN LEE REGISTERS REEVER AND **OCEAN DEVLEOPMENTS** 

PTY LTD

KEN LEE REGISTERS **KUR-COW** PTY LTD KUR-COW RESEARCH PTY LTD

MAY 2016

**REEVER AND OCEAN DEVLEOPMENTS** PTY LTD SUBMITS EPBC REFERRAL OF PROPOSED ACTION

**REEVER AND** OCEAN **DEVLEOPMENTS** PTY LTD SUBMITS INITIAL ADVICE STATEMENT



SERVICES

FIRST SURVEY REMAINS UNPUBLISHED

## Ken Lee

"He started to work in the tourism and hotel industry at the age of 19, first at Star City in Sydney and then Casinos Austria, which gave him the opportunity to work in Cairns at the Reef Hotel Casino"

"... Lee's past ten years of work in Macau as vice president of marketing for Wynn Resorts..."

### Cairns Post



## Sydney businessman plans for new eco-tourism venture at Kuranda

NICK DALTON, The Cairns Po January 9, 2016 6:10am

A SYDNEY property investor has bought a cattle property at Kuranda with plans for an eco-tourism venture.

### Cäirns Post



## \$650 million integrated resort revealed for Kuranda

The Cairns Post June 8, 2016 10:00am

A MACAU developer has revealed plans for a \$650 million integrated resort at Kuranda with construction slated to start mid-2018. Reever and Ocean Developments chairman Ken Lee has signed off on a master plan for KUR-World, an integrated eco-tourism and

#### Cairns Post



## Developer knocks casino on head for Kuranda

Nick Dalton, The Cairns Post July 17, 2016 5:00am

THE developer of a S640 million eco-resort at Kuranda has ruled out including a casino as part of the venture.

### Cäirns Post



# \$640m Kuranda eco-resort project gets special government status

Nick Dalton, The Caims F July 13, 2016 5:00am

THE developers of a S640 million integrated eco-resort near Kuranda are urging the community to have their 14006 the venture which has been declared a co-ordinated project.

# Ken Lee's legal entities

## **JAN 2014**

PRIVATE SALE
12 RURAL TITLES
626HA IN KURANDA
\$2 MILLION

## **FEB 2014**

REEVER AND OCEAN
PTY LTD

## **AUG 2014**

REEVER AND OCEAN CAPITAL MANAGEMENT LIMITED (HK)

## **MAR 2016**

KURWORLD.COM

## **APR 2016**

**KUR-WORLD.COM** 

## **MAY 2016**

REEVER AND OCEAN
DEVELOPMENTS PTY LTD

## **MAY 2016**

**KUR-COW.COM** 

## **JULY 2016**

KUR-COW PTY LTD
KUR-COW RESEARCH PTY LTD

## **Stuart Ricketts**



### Stuart Ricketts

334 connections

Director - Senior Planner at Urban Sync Pty Ltd

Cairns, Australia | Renewables & Environment

Current Urban Sync Pty Ltd

Previous RPS Group, Hallibuton KBR Education Griffith University

Company Website

Experience

#### **Director - Senior Planner**

Urban Sync Pty Ltd July 2014 – Present (2 years 3 months)

Professional consultant capable of coordinating and delivering greenfield/infill projects on behalf of the private development sector through experience and solid industry relationships.

Websites

### Principal - Planner

RPS Group
August 2002 – July 2014 (12 years)



#### Town Planner

Hallibuton KBR September 2000 – July 2002 (1 year 11 months)

# **Mandy Ricketts**

## **Mandy Ricketts**

22 connections

Operations Manager at Urban Sync Cairns, Australia | Law Practice

Previous Preston Law Firm, Lorna Jane, Miller Harris Lawyers

Education University of Southern Queensland

Experience

#### Legal Secretary

Preston Law Firm 2009 – 2014 (5 years)

#### Retail Assistant/2IC

Lorna Jane 2012 – 2013 (1 year)



#### Legal Secretary

Miller Harris Lawyers 2004 – 2009 (5 years)







# THE PLAYERS KUR-WORLD TEAM

## Simon Danielsen

## Simon Danielsen

Principal Ecologist at Astrebla Ecology Consulting Brisbane, Australia | Environmental Services

Current

Astrebla Ecology Consulting

Previous

GHD Ptv Ltd. Bangkok Forestry Herbarium (BKF), NRW

Education

Griffith University

Recommendations

1 p Summary



I am an enthusiastic and experienced consultant vegetation ecologist/botanist with a background in policy implementation and interpretation. I have extensive experience preparing vegetation community mapping, weed mapping, conducting detailed botanical surveys and targeted searches for threatened species of flora, and designing and implementing ecological surveys and species management plans for threatened species. In particular, I have experience working with linear infrastructure projects such as powerlines, pipelines, and railways.

I have worked with numerous developers of housing estates assisting them to comply with vegetation laws. I can assist proponents in meeting their legal requirements under the Queensland Vegetation Management Act 1999, Sustainable Planning Act 2009, and Nature Conservation Act 1994, and the Commonwealth Environment Protection and Biodiversity Conservation Act 1999 I have also provided expert witness services for legal matters.

Specialties: Vegetation community and weed survey and mapping, detailed botanical surveys (specialising in Queensland grassland and sclerophyll vegetation), and advice in relation to compliance with NSW/Queensland and Commonwealth laws in relation to flora and fauna. I have particular experience in working with proposed and existing linear infrastructure, and rural residential housing developments.

I have prepared and presented a series of hands-on microscope workshops aimed at developing skills in grass ID, and I can provide training to small groups in relation to botanical ID and survey skills.

#### Experience

#### **Principal Ecologist**

Astrebla Ecology Consulting April 2015 – Present (1 year 6 months)

I am now available for ecological survey and advisory work within the Australia/Pacific and South East Asian regions. I specialise in vegetation community characterization and mapping, threatened flora surveys, weed surveys and mapping, and advice and specialist support in relation to infrastructure projects and developments, in particular as it relates to Commonwealth and State legislation and the approval process.

I can also offer support to other ecologists in terms of report reviewing and overflow work servicing.

#### **Business Name Summary**

Name: ASTREBLA ECOLOGICAL SERVICES

Registration Number:

Registered State:

Registration Date: 08/11/2015

Status: Registered

Type: Business Names

Regulator: Australian Securities & Investments Commission

#### Principal Ecologist

GHD Pty Ltd

August 2011 - April 2015 (3 years 9 months)

GHD

Major projects, most of which included approvals from Queensland and Commonwealth governments, include:

Team leader, ecological survey of the Australia Pacific LNG Spring Gully development area, north of Roma, ~ 350, 000 ha, half of which is greenfield: includes the Scott Ck mound spring; Botanical survey/mapping of Doongmabulla Springs, a Great Artesian Basin mound spring complex rated 1A, and the vulnerable waxy cabbage palm popltn, for the proposed Carmichael Coal mine; Overall baseline botanical survey & vegetation mapping for proposed Carmichael Coal mine site, an ~60, 000 ha mostly greenfield site:

Baseline botanical survey for proposed Theresa Creek coal mine site, near Emerald, inc. natural grassland surveys & mapping of Dichanthium queenslandicum;

Botanical and EIS surveys for major Queensland linear infrastructure projects:

- Proposed Adani rail project from Galilee basin to Moranbah and Abbot Point (over 300 km)
- Previously proposed PRX rail corridor, Abbot Point to Moranbah (almost 300 km)
- Proposed Hancock Coal/GVK rail project Abbot Point to Alpha (Galilee Basin) (495 km)
- Queensland Rail 'Northern Missing Link' (later 'Coal Connect alliance') (70 km)
- Ecology studies for proposed GVK/Hancock/Powerlink 275 kV transmission line Lilyvale to Alpha mine (200 km)
- Ecology studies for multiple Powerlink lines in the Roma-Wandoan area.

Baseline survey for operational areas proposed by Interoil in the PNG Gulf province;
Baseline botanical survey & impact assessment for Chinalco bauxite mine near Weipa in Cape
York Peninsula:

Botanical surveys supporting search for armour rock quarry, Townsville City Council; Botanical survey on Lord Howe Island for AirServices Australia infrastructure, Black ironbox (Eucalyotus raveretiana) population survey and impact assessment for Sonoma

Coal, near Collinsville (including expert witness report for P&E court);
Numerous vegetation mapping projects, PMAV & PVMPs and EPBC referrals for Old property developers.

## THE PLAYERS **KUR-WORLD TEAM**

## Harry Sou



### Harry Sou

Founder & Managing Director at Cafe China Group

Cairns, Australia | Hospitality

Cafe China Group, Reever & Ocens Developments (KUR-World), Tourism Tropical North Queensland (TTNQ)

Tastes of China, Radisson Hotel Cairns -Captains Table Restaurant, Mask of China

Education Computer Power Institute



#### Ministerial Diary<sup>1</sup>

Treasurer

Minister for Aboriginal and Torres Strait Islander Partnerships **Minister for Sport** 

The Hon Curtis Pitt MP

1 DECEMBER 2015 - 31 DECEMBER 2015

18 DECEMBER 2015 Meeting with Harry Sou and Portfolio discussion Ken Lee of Reever and Ocean Pty Ltd

#### Experience

connections

#### Founder & Managing Director

Cafe China Group

September 1995 - Present (21 years 1 month) | Cairns, Australia

#### **Chief Operations Officer**

Reever & Ocens Developments (KUR-World) July 2016 - Present (3 months) | Cairns, Australia

#### Eastern/Greater China Strategic Panel

Tourism Tropical North Queensland (TTNQ) February 2001 - Present (15 years 8 months) | Cairns, Australia

#### **TOURISM** TROPICAL NORT QUEENSLAND

#### Founder & Owner

Tastes of China

May 1993 - May 1995 (2 years 1 month) | Cairns, Australia

#### Chef de Cuisine

Radisson Hotel Cairns - Captains Table Restaurant March 1992 - April 1993 (1 year 2 months) | Cairns, Australia

### Cairns Post



## **Cairns businessman Harry Sou** heads \$640m Kuranda eco-resort

Nick Dalton, The Cairns Post September 5: 2016 5:00am

BUSINESSMAN and restaurateur Harry Sou has been appointed to run the Australian venture behind a \$640 million resort proposed for Kuranda.

## **Source files**

www.kurandaregion.org/kur-world

## **Outstanding documents**

## Right to Information application

Subject matter of the documents you are seeking:

I am seeking documents that demonstrate compliance of and adherence to, the protected plant framework of the Nature Conservation Act by the owner of the rural titles listed below: .  $22N157227\ 2RP703984\ 1RP703984\ 17N157227\ 18N157227\ 19N157452\ 95N157452$ 

The type of documents: generated flora survey trigger map, flora survey, permit to clear

The time period / date range you would like us to search within:

January 2014 - November 2015

**SEP 2016** 

**JUN 2016** 

8 June 2016: email to Curtis Pitt (Mulgrave@parliament.qld.gov.au)

Hi Curtis.

I am interested in obtaining a copy of your minutes from this meeting:

18 DECEMBER 2015 – Meeting with Harry Sou and Ken Lee of Reever and Ocean Pty Ltd – Portfolio discussion

As listed here in your Ministerial Diary:

http://www.cabinet.qld.gov.au/ministers/diaries/assets/2015/december-2015/curtis-pitt.pdf

Every effort has been made to ensure this timeline and details are correct.

All source files are available at www.kurandaregion.org/kur-world

Please let us know if any documents are missing and/ or if there are any corrections to be made.

## **CORRECTIONS**

All corrections to this document are recorded in this section.

Please advise if there are other omissions of corrections required.

Unfortunately the video promo version can't be altered – link to corrections noted in video description.



Removed from EXTRAS - TIMELINE



Added to EXTRAS – KUR-WORLD TEAM
Simon Danielsen registers Astrebla Ecological Services November 2016