

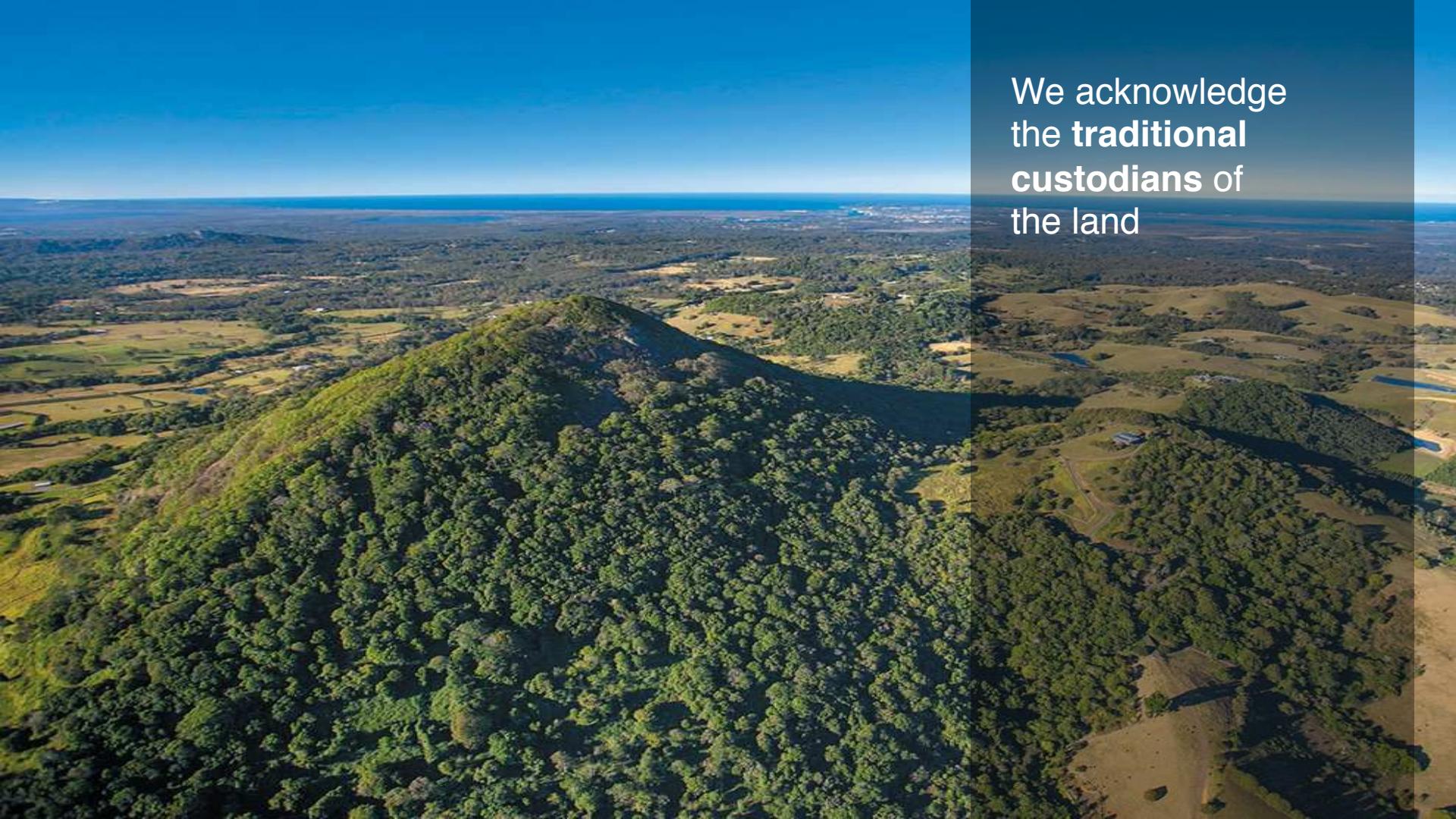


World class. It's in our nature.

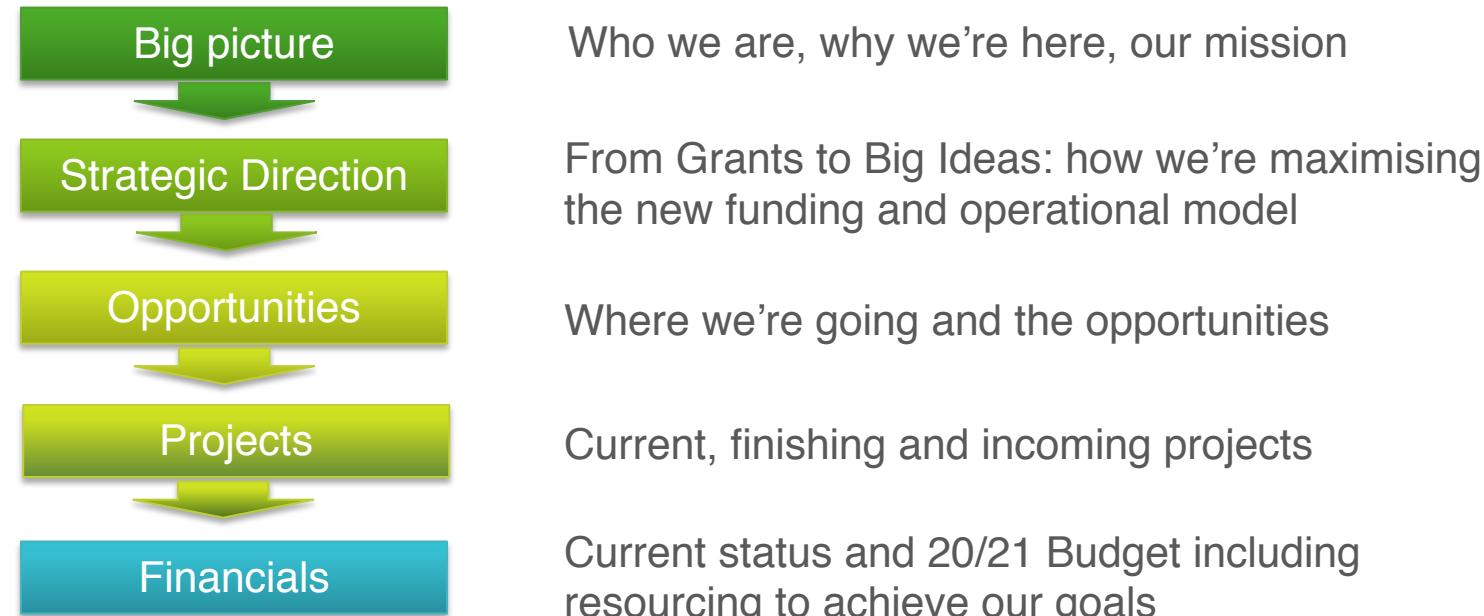
Q2 2020 Update to Noosa Council

Noosa Biosphere Reserve Foundation

Presented by rex halverson - Chair

An aerial photograph capturing a vast landscape. In the foreground, a large, densely forested hillside slopes down towards the right. The hill is covered in a mix of dark green coniferous trees and lighter green deciduous foliage. To the right of the hill, a coastal town is visible, featuring numerous buildings and a network of roads. Beyond the town, the coastline meets a bright blue ocean under a clear, light blue sky.

We acknowledge
the **traditional**
custodians of
the land





What is a biosphere reserve?

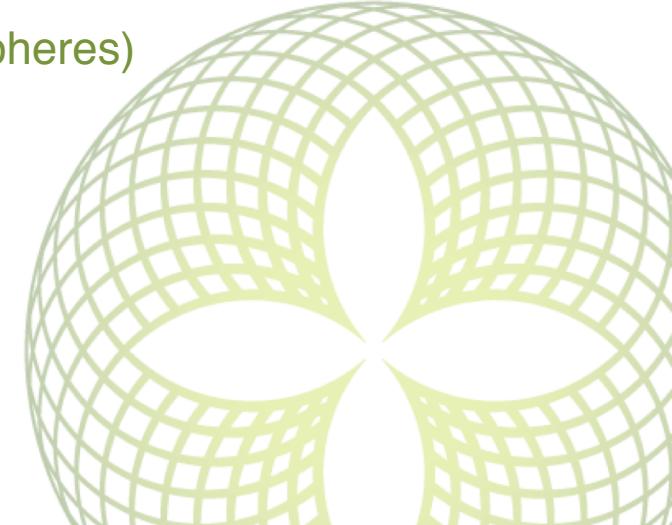
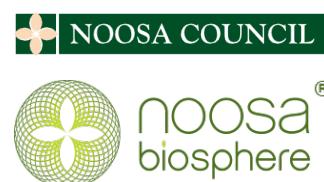
As one of 700+ biosphere reserves worldwide, Noosa is recognised as a celebration of its people, its places and its potential

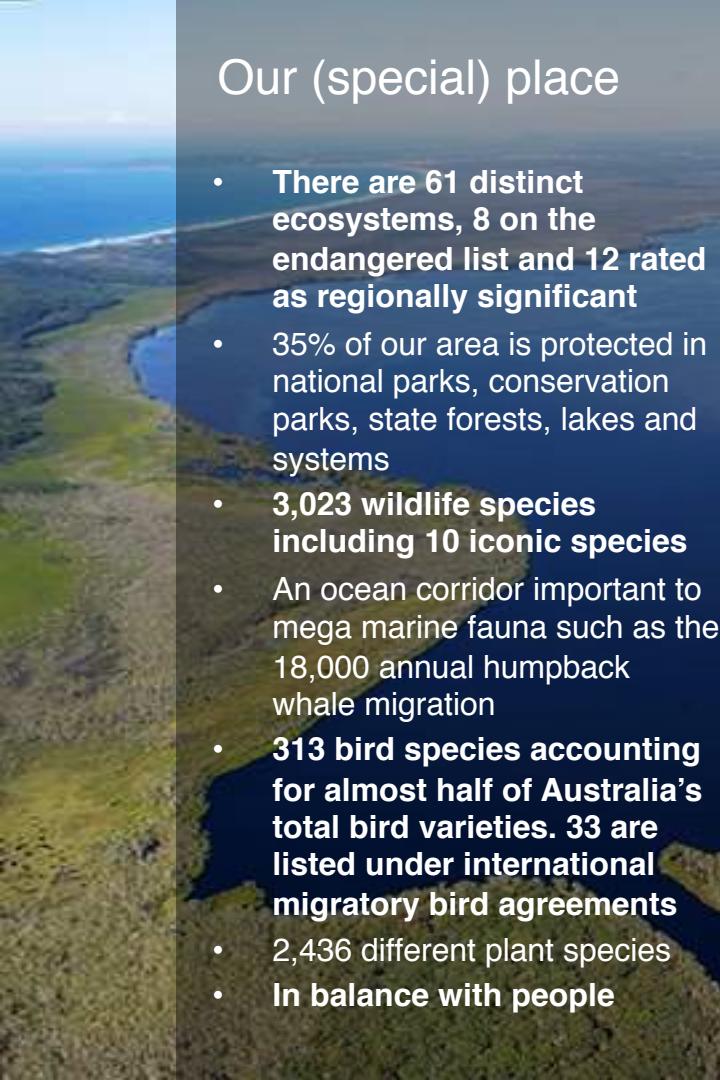
Biosphere reserves: “learning places for sustainable development”

- Declared by UNESCO in 2007 and renewed in 2019 in recognition that Noosa is one of the worlds' major ecosystem landscapes and also as an area balancing environment, society and economic progress which is devoted to :
- Providing models of sustainable development that support the interdependence of the economy, the environment and the community.
- Promoting research and monitoring for the sustainable management and enhanced resiliency of natural resources
- Conserving biological diversity

Part of a global network (but one of only four Australian Biospheres)

- Noosa is connected with the World Network of Biosphere Reserves and here in Australia with the newly formed Australian Biosphere Alliance
- Man and the Biosphere Program (Mab) – an Intergovernmental program for a science-based relationship between people and their environment





Our (special) place

- There are 61 distinct ecosystems, 8 on the endangered list and 12 rated as regionally significant
- 35% of our area is protected in national parks, conservation parks, state forests, lakes and systems
- 3,023 wildlife species including 10 iconic species
- An ocean corridor important to mega marine fauna such as the 18,000 annual humpback whale migration
- 313 bird species accounting for almost half of Australia's total bird varieties. 33 are listed under international migratory bird agreements
- 2,436 different plant species
- In balance with people



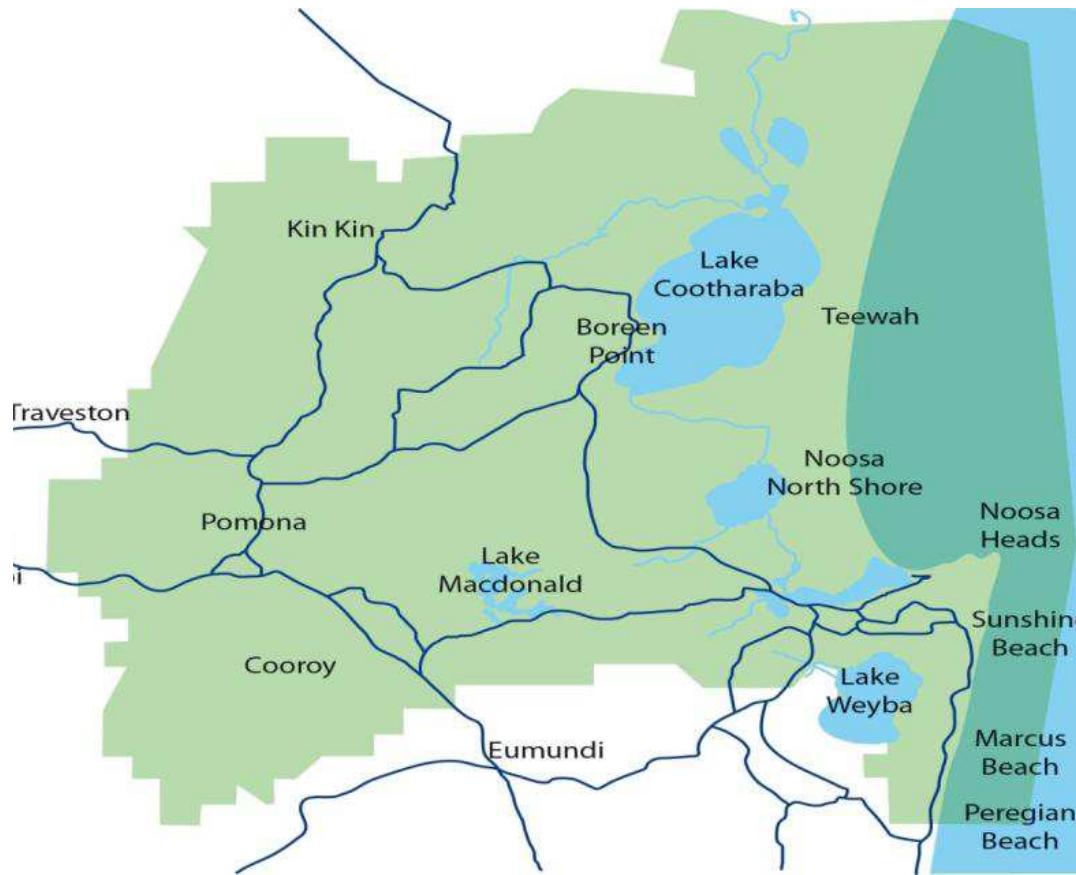
Our goal:
Prosperity from Protection

Noosa is **living proof**
environmental protection
inspires healthy and
prosperous communities.

Our Vision



“Whose Job is it?”



Noosa Council of course
(but we help and add value)



NEW

Welcome to the Noosa Biosphere Reserve Foundation

Co-creating a world class biosphere reserve.

FIND OUT MORE

Koala Symposium

Bringing key stakeholders together to identify investment areas for critical on-ground koala conservation and management actions in Noosa.

Read more



New Board of Directors



Rex Halverson - Chair
Managing/Commercial Director roles
Chair of local conservation groups



Prof. Rod Smith
PhD Natural Resource Engineering
Former USQ Dean of Engineering



Greg Schumann – Deputy Chair
Director ENGIE (efficient/green transport dev)
MBA and Civil Engineer



Jady Smith
Environmental Professional
Env/Heritage Management Asia Pacific



Cr [Dr] Tom Wegener
Juris Doctorate Environmental Law
PhD Sustainable Manufacturing in Aus



Duncan Thompson
Manager, USC Office of the Vice-Chancellor and President

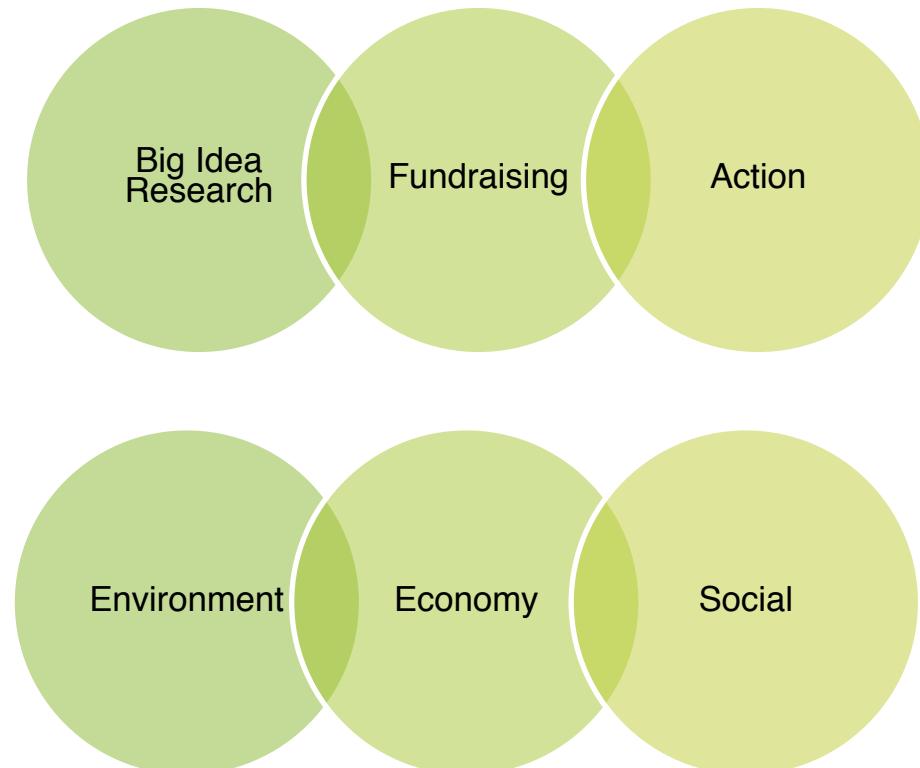


Dr David Dique
Ecologist
Partner/Principal Ecologist ERM Qld



Rowan Rafferty
IT/Management Consulting, formerly to Commonwealth Public Service

- We seek out the **big issues** for Noosa in collaboration with council and community input where we can apply science and other best practices to develop new solutions
- We **bridge the gap** between the work being done by like-minded groups in the shire
- We **inform** Noosa Council and interest groups with sound science to assist their decision-making.
- We **co-create** solutions with community groups, stakeholders and researchers that deliver economic, social and/or environmental benefits for all
- We **attract co-investment** in projects that leverage our funds (usually with a 3:1 ROI)



Working together on big ideas
research, fundraising,
advocacy and action.

Our Mission



ACTIVE NOT PASSIVE

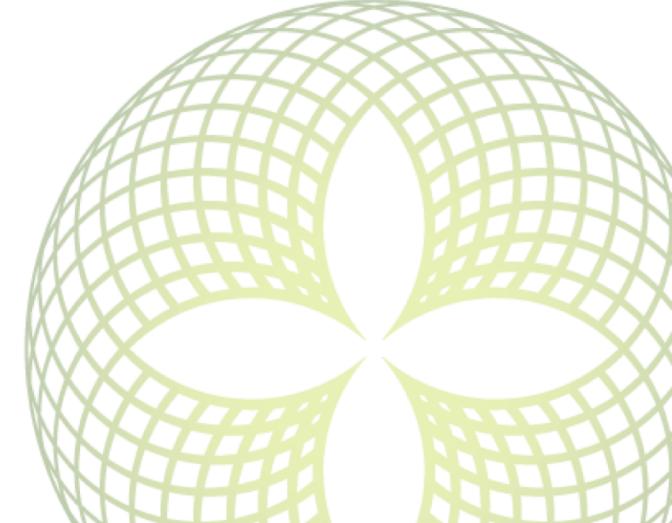
Not conservation for conservations sake (as valuable as that may be) but also proactively promoting human oriented LEARNING (research) and (environmental) EDUCATION



PROJECTS

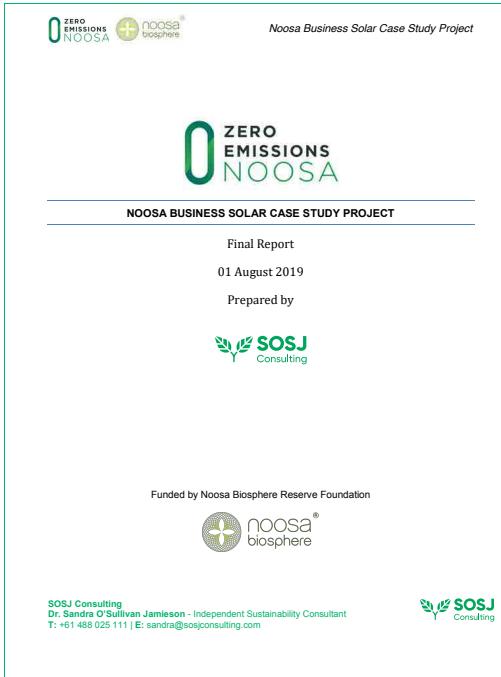
Pandanus Preservation Project

Protecting Noosa's iconic Pandanus palm and coastal biodiversity from widespread cases of dieback.



BALANCING ECONOMY & ECOLOGY

Promoting sustainable development initiatives that benefit the people and economy of the community as well as the environment



The image shows the cover page of a report titled 'Noosa Business Solar Case Study Project'. At the top left are logos for 'ZERO EMISSIONS NOOSA' and 'noosa biosphere'. The title is at the top right. Below the title is the subtitle 'NOOSA BUSINESS SOLAR CASE STUDY PROJECT'. Underneath that is the text 'Final Report', '01 August 2019', and 'Prepared by'. Below that is the 'SOSJ Consulting' logo. At the bottom left is the text 'Funded by Noosa Biosphere Reserve Foundation' and the 'noosa biosphere' logo. At the bottom right is the 'SOSJ Consulting' logo.

ZERO EMISSIONS NOOSA noosa biosphere

Noosa Business Solar Case Study Project

NOOSA BUSINESS SOLAR CASE STUDY PROJECT

Final Report

01 August 2019

Prepared by

SOSJ Consulting

Funded by Noosa Biosphere Reserve Foundation

noosa biosphere

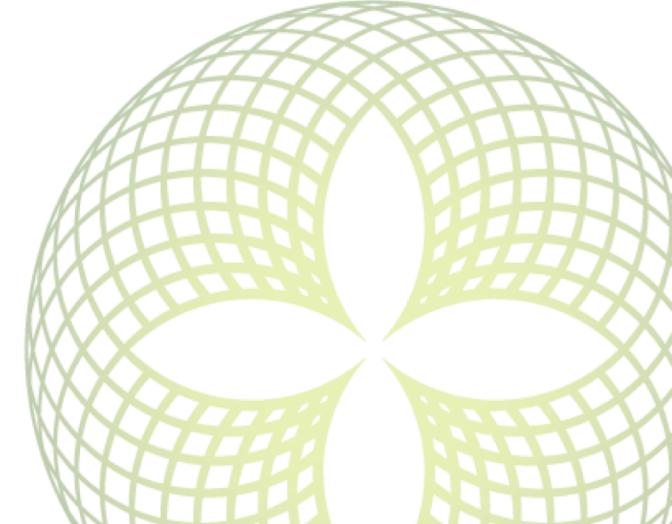
SOSJ Consulting



PROJECTS

Noosa Business Solar Case Study

Developing case studies of the Noosa business community's experience with rooftop solar to increase uptake.





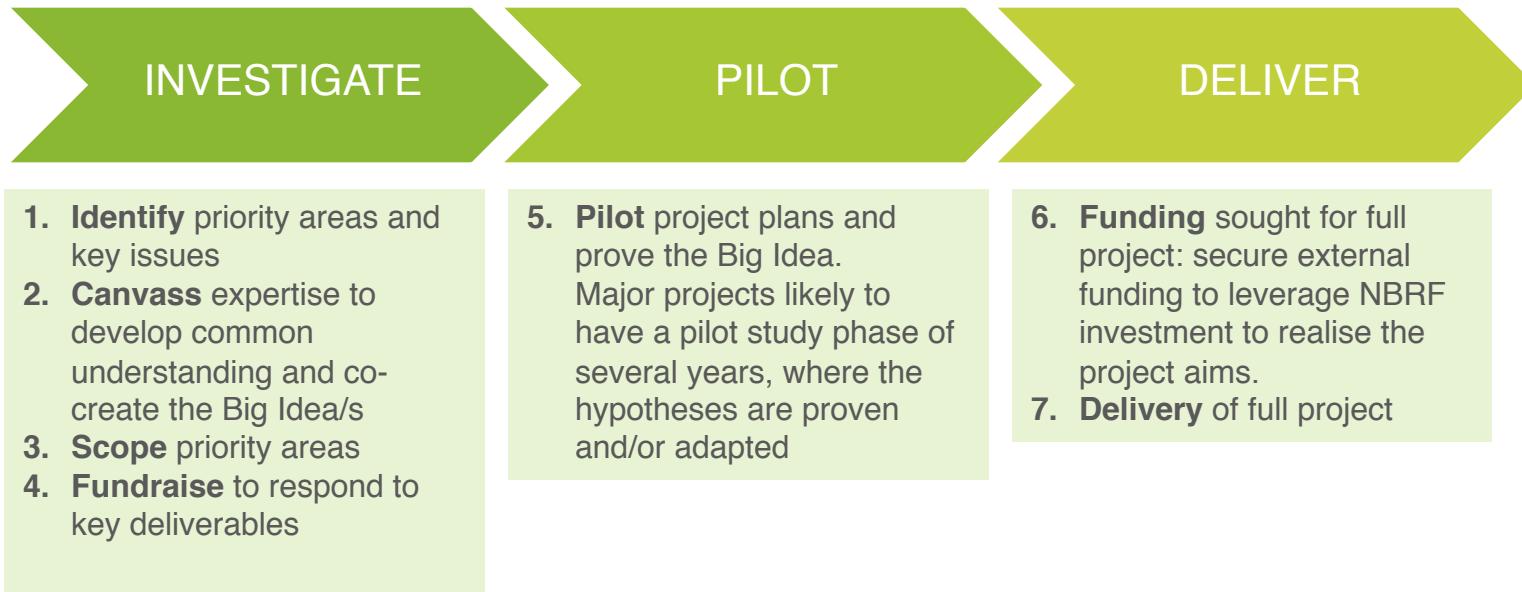
World class. It's in our nature.

Strategic Direction

from Grants to Big Ideas: maximising the new model

How we work

Our new modus operandi detailed in our Strategic Plan 2018-2028:



LAND



WILDLIFE



MARINE



PEOPLE

**Including:**

- **Iconic environmental assets** of great value to the community and to philanthropy
- **Industries** with innovative opportunities to significantly reduce threats to those assets
- **Issues** where we can make a significant contribution and not duplicate work undertaken by Council or other groups.

Successful outcomes (some examples)

- ✓ **Noosa Trail Masterplan** → opportunities for new nature-based tourism promoting the Noosa Biosphere Reserve designation while leveraging and protecting our environmental assets
- ✓ **Rural Enterprise Plan** → community engagement initiative to develop and educate landowners in the Noosa Hinterland regarding sustainable economic options and available resources
- ✓ **Noosa EEHub** → seed funding for an innovative environmental education centre providing schools curriculum extension programs with strong community links including Kabi Kabi Native Title Group and long-term community benefits
- ✓ **Bring Back the Fish** → multi-partner program of public-private co-investment; significant scientific research into the Noosa River biodiversity; informing Noosa Council environmental management decisions; leading to further conservation project with The Nature Conservancy and others (4 projects)
- ✓ **Bring Back the Koala** → a true demonstration of the new modus operandi in action: collaboration with regional expertise stakeholders; networking; co-creation of the top priorities and a collaborative resource working together to attract additional external funding to ensure a future for Noosa's koala population

Educating students on Noosa's Biosphere

08/06/2020



Noosa District High School Year 9 Science Students with Noosa EEHub co-director Dalia Mikhail after presenting their Waterway Health and Waterbug analysis project.

The Noosa Biosphere Reserve Foundation (NBRF) has helped kickstart an innovative education experience that is inspiring school students to learn about the Noosa Biosphere.



World class. It's in our nature.

Opportunities

Where we're going and how we're adding more value

- **Engage and educate the community regarding ‘what is a biosphere and WIIFM?’**
- **Increased communication of NBRF projects and their value for the Noosa community as well as opportunities to participate**
- **Helping to kickstart more sustainable economic/social enterprises with an environmental benefit**
- Collaboration with other Australian and international biospheres for **best practices, joint projects and funding/partner resources**
- A new round of **Big Ideas with council and community engagement** to stimulate/bring forward identification of issues from local expertise and expanding working partnerships and synergies
- **Leverage the Biosphere Reserve designation as an economic driver** as well as social asset including attracting more smart business/industry sectors (high value/low impact), "eco-tourism" etc.
- **Resourcing to accelerate the process from Big Idea through to execution and add external fundraising expertise to enhance our ROI, increase value added projects and reduce cost to council**



Noosa Biosphere
Koala Symposium 2019
Rosie Booth and Ludo Valenza
Australia Zoo Wildlife Hospital



The past, present and future of koalas in SEQ






FIND. FUND. FINISH.

This is our new driving operational motto.

We are currently in the process of adding new resources to help us progress and achieve our goals.

FIND.

Program Manager

(funded from ops budget)

Tasked with **accelerating the Foundation's 'Big Ideas'** from **proposal through to final project delivery** (including broad oversight, coordination and reporting on current projects and development of future projects and submissions).

FUND.

Fundraising Specialist

(funded from ops budget)

Implementation of the Foundation's fundraising strategy (including identifying and matching potential donors with Foundation **to drive 3:1 return on any council environment levy project support and reduce reliance on council funding overall.**

FINISH.

Project Resource(s)

(funded from ops budget)

Planning and **managing specific NBRF 'Big Idea' projects from planning through to completion.**

* Not a new budget item – we currently use project assurance resources where specialised expertise is needed.

EDUCATE + ENGAGE

We have been using a communications resource to support our projects and initiatives however in an inconsistent manner. **Depriving budget from promoting the NBRF's work has been a missed opportunity for educating and engaging the community in our biosphere reserves value and receiving their support and attracting more external funding partners.**

We also recognise the need to find an appropriate way forward between all parties to 'manage' the community education and engagement in the Noosa Biosphere Reserve.

COMMUNICATE.

Communications Resource (funded from ops budget)

Moving to a retainer model and enhancing this resource to deliver a consistent external communications function with specific outputs that provides a consistent message to the community across social media, traditional media and supports the fundraising strategy.

ENGAGE.

Community Resource (partner support)

We recognise the need to be part of an initiative to develop a more effective approach to stimulate and enhance community input and interaction.

NEWS NOOSABIOSPHERE.COM.AU

An education in nature

The Noosa Biosphere Reserve Foundation (NBRF) has helped develop an innovative education program that is bringing school students to learn about the Noosa Biosphere. The Noosa Environmental Education Hub (Noosa EHub) received seed funding from the NBRF to pilot its nature-based programs that immerse school pupils in the biosphere Reserve education.

"Students learn in nature about the ecosystems that are unique to where they live, and can problem-solve through the natural environment," said Noosa EHub Manager, Co-director of the Noosa EHub.

In its first year, the Noosa EHub responds to the current cross-curriculum priorities of the Australian Curriculum (Year 5 Perspectives and Sustainability), by offering a seamless integration of local Indigenous knowledge and environmental education into its curriculum.

"We believe that Aboriginal perspectives should be embedded in environmental education," said Ms Mikhail.

"We are excited to offer students who live and study on traditional Kabi Kabi land the opportunity to learn about the environment and ecosystems in learn about the ecosystems that support them."

Funding from the Noosa Biosphere Reserve Foundation and a partnership with the Kabi Kabi Traditional Owners and the Noosa Council have allowed this vision to come to fruition.

Noosa EHub began trialings its programs with secondary schools in the second semester of 2020.

"Many schools are seeking community partnerships. Our programs allow integrated learning experiences with the Kabi Kabi Traditional Owners and our environmental educators. We are encouraging our students to volunteer their time to protect the Noosa Biosphere. This is a great example of how we engage in real life community programs which makes the curriculum meaningful and results in positive outcomes for our students," said Ms Mikhail.

Community Leader at Great Shepherd Lutheran College, Theresa Tapaya says the Noosa EHub has provided her school with the tools to make teaching the curriculum real and stimulating.

"The biggest change has been the change in the kids. They are more engaged in what we do in school and making it real so that the students connect with it." Ms Tapaya said.

NQF Chair, Rev Dr Michael Hulme said:

"Education hub will provide rich long term benefits to the Noosa community."

"We were excited to support this project because of the tremendous potential it offers to marginalised young people in alignment with the aims of the UNESCO Man and the Biosphere Program (MAB). We are looking forward to seeing the students shine where we've sent them, including the many opportunities to find a delicate balance between people and ecological systems."

"Data and skills at Noosa EHub have



Education for the Biosphere: Noosa EHub co-directors Annika Patrick, Dalia Mikhail, and Co-director of the Noosa EHub.



Noosa District High School Year 9 Science Students with Noosa EHub co-director Dalia Mikhail after presenting their Waterway Health and Waterberg analysis project.

"In which they live," Mr Hulme said.

Noosa EHub offers incursions and excursion opportunities during school terms and is taking bookings for reconnencement in term three due to COVID-19. More information is available at www.noosahub.com.au.

ecological value of maintaining a thriving natural environment benefits all of us in our future generations."

I am very happy to support those in our community who are working to enhance a sustainable environment that ensures that "people and visitors enjoy". Mr Hulme said.

"We are looking forward to working with the Noosa Biosphere Reserve Foundation to develop key projects that support the mission of the UNESCO Man and the Biosphere Program."

"Our role is to identify and action projects that support the mission of the UNESCO Man and the Biosphere Reserve. My focus is to ensure that the Noosa Biosphere Reserve is a place where people can live and practice sustainable living in Noosa," Mr Hulme said.

"Our role is to support the Noosa Biosphere Reserve Foundation to develop and implement innovative projects that support the mission of the UNESCO Man and the Biosphere Reserve."

"The Noosa Biosphere Reserve is part of what makes living in our region special. The

22 NOOSA NEWS Friday 22 June 2018



Members of the board Rowan Rafferty, Professor Rox Smith, Rev Dr Michael Hulme, Dr Tim Wegener and Jerry Smith.

...and collaborate



Australian Government
Department of Agriculture,
Water and the Environment

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- [What are wildlife corridors?](#)

Australia's Biosphere Reserves



Wilsons Promontory National Park, Victoria
Photo: John Baker

UNESCO

Education

Natural Sciences

Social and Human Sciences

Culture

Communication and

About us Science & Technology Environment IOC Oceans Priority Areas Specific

Ecological Sciences for Sustainable



United Nations
Educational,
Scientific and
Cultural Organization



MAB
Biosphere
Programme

What is a Biosphere Reserve

A biosphere reserve is a unique concept which in conservation and sustainable use of natural resou

- Each biosphere reserve conserves example study.
- It is a land and/or coastal/marine area in whi protection to intensive yet sustainable produ
- It is a regional centre for monitoring, researc
- It is a place where government decision mal land and water to meet human needs while i
- Finally, each biosphere reserve is a symbol

Ecological Sciences

Man and Biosphere
Programme

Biosphere Reserves

- Main Characteristics
- World Network (WBNR)
- Advisory Committee
- Designation Process
- Periodic Review Process
- Withdrawal of biosphere reserves
- Regional and Subregional Collaboration
- Biosphere Reserves in Practice
- BiosphereSmart Initiative

Noosa



The Noosa Biosphere Reserve is situated in Eastern Australia at the northern end of the Southeast Queensland region. A combination of erosion, the deposition of underlying geological formations, growth, sand erosion and Aeolian transport provide the topography of the area. While the eastern part of the reserve comprises littoral rainforests, lake systems and coastal dune heaths, the western and northwestern regions are rather mountainous with elevations up to 450 metres. Inselbergs that rise up to 430 metres, such as Mount Cooroy, Mount Cooroora and Mount Cooran, dominate the western landscape. The reserve also features an extensive system of saline and freshwater lakes, heathlands and marshes.

Designation Date: 2007
Administrative Authorities: Queensland State Government, Noosa Shire Council, Noosa Biosphere Reserve Association, Environment Protection Agency/Queensland Parks and Wildlife Service.

Surface area: 87,593 ha
Core area(s): 24,870 ha

Buffer area(s): 33,903 ha (terrestrial: 28,050 ha; marine: 5,853 ha)

Transition area(s): 28,620 ha

Location Latitude: 26°9'18"S - 26°30'3"S

Longitude: 153°53'5"E - 152°45'46"W

Center point: 26°19'50"S - 152°57"E

International Significance

'Biosphere Reserve' is an international designation basis of nominations submitted by countries parti

MAB was launched in 1971 to catalyse a greater people and their environment. Biosphere Reserve end. They also aim to demonstrate the sustainabl

Capacity Building and Partnerships

Climate Change

UNESCO MAB Category II
Centres & Chairs

4th World Congress

Biosphere Reserves in Australia

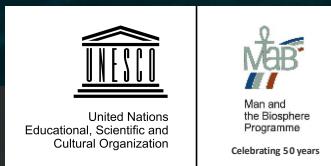
[Map of reserves in Australia](#)



The XI meeting of the World Network of Island and Coastal Biosphere Reserves

5 – 10 September 2021

K'GARI, FRASER ISLAND, AUSTRALIA





World class. It's in our nature.

Project Updates

Q1 and Q2 2020

Project update highlights

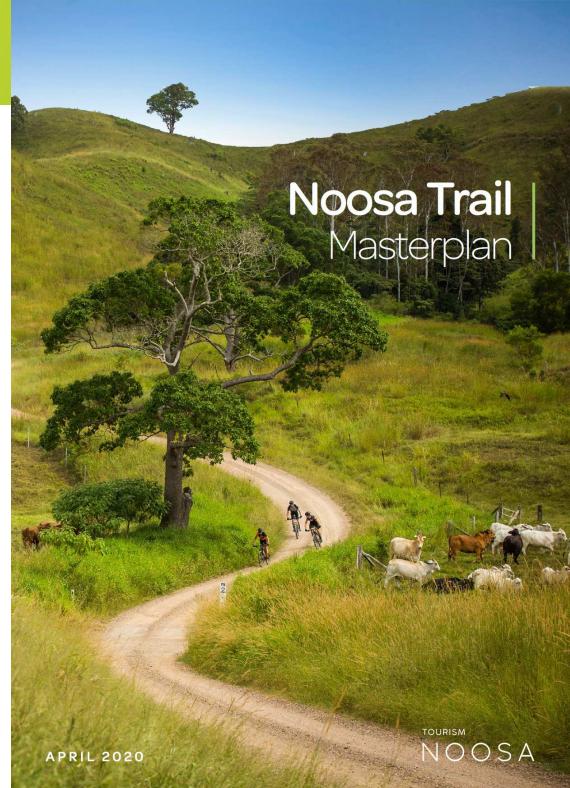
DELIVERED

PROJECT UPDATE

Noosa Trail Masterplan

The project delivered a Master Plan for the Noosa Trail Network – a network of eight hinterland trails passing through diverse areas within the Noosa Biosphere Reserve including national park, state forest, private property, council parks and road reserves.

The final report has been delivered and is being released this month with an emphasis on next round development of works ready planning to implement plan elements.



PROONENT	WORKING WITH	NBRF FUNDING	CASH & IN-KIND	PROJECT VALUE	LEVERAGE
Tourism Noosa	Landcare, Noosa Council	\$19,500	\$30,720	\$50,220	2.5:1

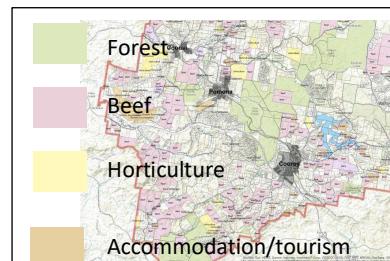
PROJECT UPDATE

Noosa Hinterland Rural Enterprise Plan

Goals included:

- To eventually foster a range of environmentally and economically sustainable farming and other rural enterprises in a positive Noosa Hinterland social environment.
- Address the Hinterland 'data' gap and improve base data on current land use, capacity, and landholder interests.
- Document enterprise opportunities.
- Produce a number of potential scenarios for the Noosa Hinterland.
- Spell out the environmental (including emissions forecast), economic, and community implications of each scenario.

The final report has been delivered and available on the NBRF website and from Country Noosa.



Rural Enterprise Program

Final Report

August 2019

Prepared by

The SOCIAL DECK
engage. create. communicate.

and
SOSJ
Consulting

Country Noosa is supported by Noosa Council and our partners in the Rural Enterprise Program include:



PROONENT	WORKING WITH	NBRF FUNDING	CASH & IN-KIND	PROJECT VALUE	LEVERAGE
Country Noosa	Landcare, USC	\$65,000	\$74,000	\$139,000	2.1:1

PROJECT UPDATE

Bring Back the Fish TWO – Skilleter Report

Biodiversity in the Noosa River system - Assessment of the status and options for recovery of prawns and estuarine biodiversity in the Noosa River.

We have now received both the final report and an executive summary which includes some additional key data points.

The Cliff Notes version is found in the following paragraph :

“Originally, it had been our intention to do detailed analysis of the samples from 2018 and compare the community composition and overall abundances across the 20 year period. This was made redundant though given the small numbers of animals that were found in each sample in 2018. The overall conclusion is though, that the abundance and diversity of the benthic animals, a key component in the diet of many finfish and crabs, is now severely depleted compared with historical levels.”



Biodiversity in the Noosa River System
Assessment of the status and options for recovery of prawns & estuarine biodiversity in the Noosa River



Final Report – October 2019

To: Noosa Biosphere Reserve Foundation, Noosa Parks Association and The Thomas Foundation

Greg A. Skilleter

Dylan Moffitt

Neil R. Loneragan

PROPOSER	WORKING WITH	NBRF FUNDING	CASH & IN-KIND	PROJECT VALUE	LEVERAGE
The University of Queensland	Murdoch University, Noosa Shire Council, Ecological Service Professionals	\$157,800	\$287,000	\$444,800	2.8:1

Project update highlights

FINALIZING

PROJECT UPDATE

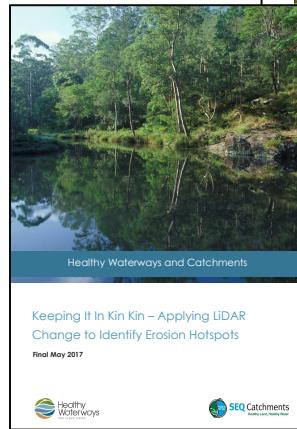
Bring Back the Fish ONE - Keep on Keeping it in Kin Kin (Phase 2)

The Kin Kin catchment is the major contributor of sediment to the Noosa catchment. Phase 2 has been about getting on the ground and fixing it.

Results of the study during Phase 1 of the Keeping it in Kin Kin project confirmed significant and serious erosion and is detrimental to biodiversity, fisheries habitat, water quality and agricultural productivity. The KKKK project continued the erosion repair program to support water quality in the Kin Kin catchment and Noosa river system. Extension services to landholders

- Continued direct management of invasive weeds
- Community workshops and engagement
- Trial water quality event monitoring system (with University of Sunshine Coast)

Waiting for the flood event monitoring equipment to be installed for the KKKK project to be complete due to delays in getting parts from China. University of the Sunshine Coast doing the install shortly.



Keeping it in Kin Kin Priority Implementation Plan

PROONENT	WORKING WITH	NBRF FUNDING	CASH & IN-KIND	PROJECT VALUE	LEVERAGE
Noosa District Landcare	Healthy Land & Water, Noosa Council, NICA, Country Noosa, NPA, Kin Kin Community Group, USC	\$123,700	\$148,330	\$272,030	2.2:1

PROJECT UPDATE

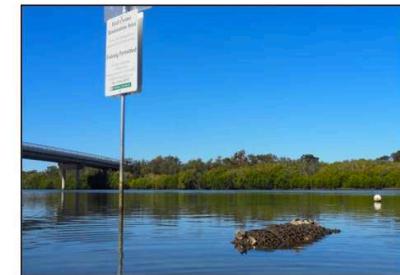
Bring Back the Fish THREE – Pilot Oyster Reef Trial

- Trial oyster reefs installed in the Noosa River system in November 2017. By October 2019 an average of 350 new oysters per m² of shell and up to 538/m² in best site were recorded
- Remaining reefs will continue to be monitored until October 2020, the end of the 3 year project (Lake Weyba and Weyba Creek).
- Pilot study resulted in a partnership between Noosa Council and The Nature Conservancy to restore Noosa oyster bed communities.

Second year report posted on website. Final report anticipated by end of year 2020



**Bringing fish life back to Noosa:
restoring lost oyster reef habitats in the Noosa
Biosphere**



Final Report

Dr Ben Gilby,
Prof. Thomas Schlacher,
Dr Andrew Olds,
Prof. Rod Connolly,
Dr Christopher Anderson,
Mr Christopher Duncan,
Mr Nicholas Oforodossi,
Mr Thomas Brook,
Ms Felicity Hardcastle, and
Mr Ashley Rummell.



PROPOSER	WORKING WITH	NBRF FUNDING	CASH & IN-KIND	PROJECT VALUE	LEVERAGE
University of the Sunshine Coast	Noosa Shire Council, Ecological Service Professionals	\$240,975	\$746,500	\$987,475	4.1:1

Project update highlights

NEWER

Noosa Environmental Education Hub

Noosa Environmental Education Hub

A world-class environmental education hub delivering curriculum extension opportunities related to the Noosa Biosphere Reserve.

My Sunshine Coast
something for everyone

New Education Hub inspires students to learn about our Noosa Biosphere Reserve

Published: 8th of June 2020

The Noosa Biosphere Reserve Foundation (NBRF) has helped kickstart an innovative education experience that is inspiring school students to learn about the Noosa Biosphere.

The Noosa Environmental Education Hub (Noosa EEHub) received seed funding from the NBRF to pilot its nature-based programs that immerse young people in Noosa Biosphere Reserve education.

"Students learn outdoors in nature about the ecosystems that are unique to where they live, and can physically engage in the natural biosphere," said Dalia Mikhail, Co-Director of the Noosa EEHub.

An Australian-first, the Noosa EEHub responds to the current cross-curriculum priorities of Aboriginal and Torres Strait Islander Perspectives and Sustainability, by offering a seamless integration of local Indigenous knowledge of sustainability practices within its curriculum.

"We believe that Aboriginal perspectives should be embedded in environmental education," said Ms Mikhail.

"We are delighted to offer students who live and study on traditional Kabi Kabi land the opportunity to walk alongside Kabi Kabi educators to learn about the ecosystems that support our existence."

"Funding from the Noosa Biosphere Reserve Foundation and a partnership with the Kabi Kabi First Nations Traditional Owners, have allowed this vision to now come to fruition," she said.

Noosa EEHub began trialling its programs with secondary schools in the second semester of 2019.



Education for the biosphere: Noosa EEHub co-directors Annika Patrick, Di Seels and Dalia Mikhail.


Noosa Biosphere Reserve Foundation
 Published by Alison Cooper [?]

We're proud to be supporting this start-up educating the future custodians of Noosa! A group of passionate and dedicated teachers and environmental educators had a dream to create a world-class environmental education hub in Noosa and now that dream has come to fruition!

The Noosa Environmental Education Hub (Noosa EEHub) received seed funding from the NBRF to pilot its nature-based programs that immerse young people in Noosa Biosphere Reserve education.



NOOSATODAY.COM.AU

Educating students on Noosa's Biosphere | Noosa Today

The Noosa Biosphere Reserve Foundation (NBRF) has helped kickstart...

Students feel the buzz with Australia-first science program



© Noosa students at Noosa State High School take part in an Australia first watching data collecting projects.

28th Aug 2019 2:03 PM

YAB&A students at Noosa State High School are the first in the country to have fun with wastewater data for science projects.

As part of their science curriculum, last week the group of students went to the creek near their school to see what all the buzz was about.

JUST
Rita Ora
escapes


Noosa
BREAKING NEWS RABBI BLACK LIVES MATTER PROTEST TESTS POSITIVE FOR COVID-19

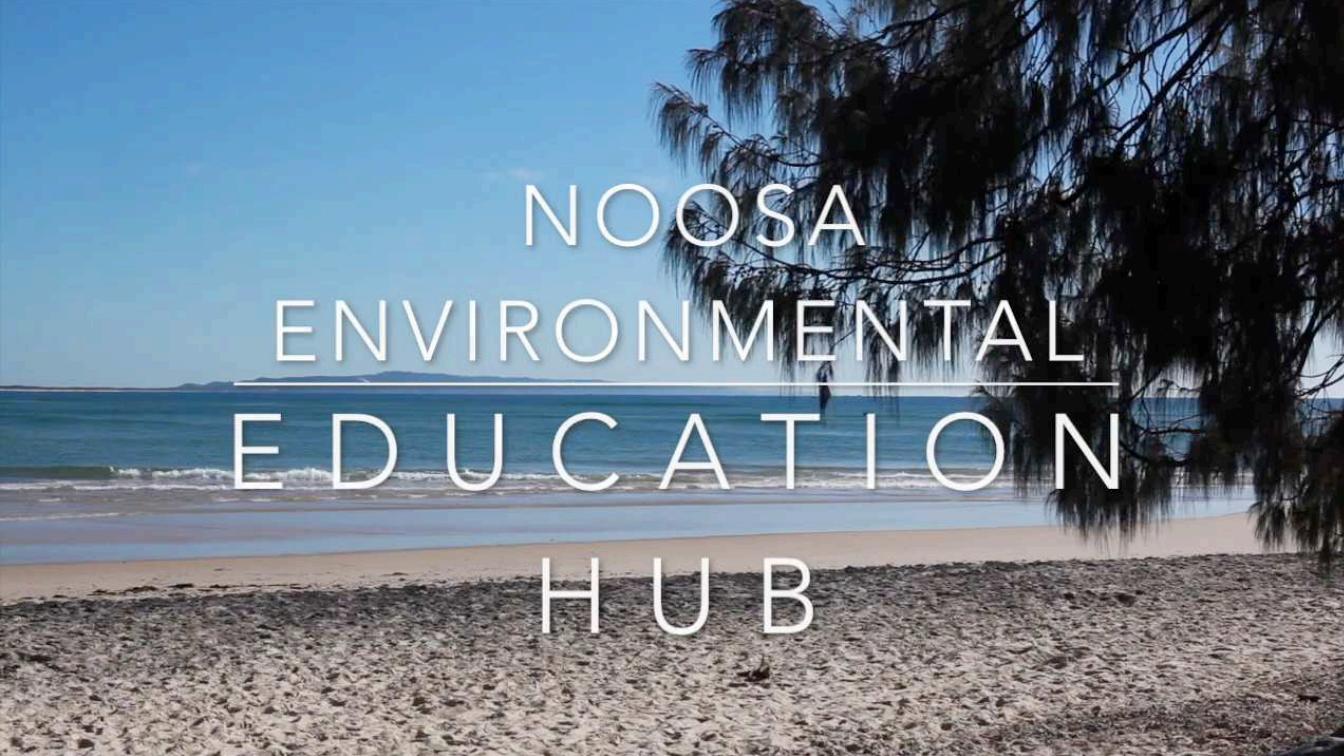
NEWS

Planting indigenous insights along with Biosphere grounding



© Noosa EEHub co-directors Annika Patrick, Di Seels and Dalia Mikhail.

PROONENT	WORKING WITH	NBRF FUNDING	CASH & IN-KIND	PROJECT VALUE	LEVERAGE
Noosa EEHub	Kabi Kabi, Slow Food Noosa, NICA, NPA, Noosa Council	\$51,250	\$134,670	\$185,920	3.6:1



NOOSA
ENVIRONMENTAL
EDUCATION
HUB

Bring Back the Koala NOOSA KOALA SYMPOSIUM

BACKGROUND

The Noosa Biosphere Reserve Foundation together with the University of Sunshine Coast has been integral in leading the development of an innovative research program into better defining koala distribution and genetic diversity across the Noosa Biosphere.

The two projects are providing significant insights into the local koala population distribution and structure. These projects, together with Noosa Council's recently developed Noosa Shire Koala Conservation Plan (2016) - a response to the Noosa Council's 2015 Koala Conservation Policy, support conservation efforts for wild koala populations in the Noosa Shire.

In parallel, ongoing efforts from community volunteer care and rescue groups continue to invest significant resources into rescuing, caring



and releasing koalas back to the wild delivering an important management outcome.

Despite these efforts, the status of Noosa koalas remains unclear, with reported declines across the greater south-east likely to be a trend also experienced locally.

It has been more than 5 years since an excellent initiative brought together recognised koala specialists to Noosa to discuss important management priorities for the species in the region. Since this time and with new information from research, an overarching conservation framework, and a willingness from the local community, the Noosa Biosphere Reserve Foundation as a promoter and advocate of "Big Ideas" has an opportunity to invest in the next important step in local koala conservation.

OBJECTIVE

The Noosa Biosphere Reserve Foundation is hosting a one-day Koala Symposium to seek key input into the development of a program of work that aims to identify on-ground koala conservation research efforts in Noosa. The output of the Symposium will be a prospectus, to be taken to the Noosa Biosphere Reserve Foundation with its DGR status seeking substantial funds for critical koala conservation and management actions that invest in potential gaps, and will avoid duplication from the excellent initiatives already being implemented and supported by key stakeholder organisations.

SUMMARY OF PROPOSAL (5 stages)

STAGE 1	Hold a one day Symposium to collect information from key koala conservation and management stakeholders in Noosa, and seek input for a prioritised list of actions. (Group 1)
STAGE 2	NBRF collate the prioritised list of actions, and prepare a draft koala conservation prospectus for the Noosa Biosphere koala population.
STAGE 3	Circulate draft koala conservation plan prospectus for review by recognised koala specialists. (Group 2)
STAGE 4	Finalise prospectus and seek funding sources to implement.
STAGE 5	With funding granted/secured, prepare call for applications to support implementation.



Bring Back the Koala





FUNDING PROSPECTUS

Noosa Biosphere Reserve Foundation

Return on Investment

The NBRF is excited by the prospect of collaborating with potential donors from industry, philanthropists and other interested individuals, or organisations, to support the "Bring Back the Koala" campaign, ground initiatives to support the conservation and recovery of koalas in the Noosa Biosphere Reserve.

The "Bring Back the Koala" campaign provides a unique opportunity to secure the future of wild koalas in Noosa. This includes:

- The potential to create a disease free koala population
- To ensure important koala habitat outside of the current reserve network; and
- Shift the balance that returns the Noosa koala population to a healthy breeding population, from its current declining status.

It is our intention to work in close collaboration with our funding partners to fully cost, plan and fund the "Bring Back the Koala" campaign. To do so, we estimate a range of investment as summarised below:

ACTION	INDICATIVE FUNDING
1. Reduce key threatening processes	\$350,000 - \$400,000
2. Map, protect and enhance koala habitat	\$200,000 - \$250,000
3. Genetic management and breeding success	\$350,000 - \$400,000

In essence, our collaborating funding partner will claim a return on investment that secures the koala's future in Noosa, returning the population from disease to a healthy and thriving population.

noosa biosphere

Priority Actions

Our recognised koala specialists who participated at the Koala Symposium worked collaboratively to identify the priority actions to support the development of koala conservation priorities across the Noosa Biosphere Reserve.

A key outcome of the Symposium was the need to focus only on those actions that were additive, and did not duplicate the excellent work being undertaken by a variety of organisations in the region – including industry, research institutions, Noosa Shire Council and the community.

To this end, the graphic below summarises the priority actions.



LOOKING AHEAD... GLOSSY BLACKS SYMPOSIUM





The Thriving Coasts CRC will drive economic growth and recovery, helping to advance productive and sustainable industries, and build long-term resilience in Australia's vital coastal communities



Information for partners



GreenPrints—a pathway for exploring bioregional governance and living within our ecological limits

As we face the growing impacts of climate change and environmental degradation in Australia, many people are looking for new ways forward.

The Australian Earth Laws Alliance (AELA) has designed an exciting program that brings science, social justice, Indigenous knowledge, economics, ethics, law and the arts together, to create a positive pathway to living within our ecological limits.

"GreenPrints" enables us to explore the key questions we must answer, in order to sustain life into the future: How can we redesign human societies so that we live and thrive within the productive capacity of our 'natural resources'? How can we rethink and transform the legal, economic and governance systems that support current aspects of modern society that are not sustainable?



Case study:
Food
organics
and garden
organics
collection in
Byron Shire

Photo: Alasdair Smith, farmer and founder of Munch Crunch Organics, Byron Shire Council

Food on the table thanks to recycled FOGO waste

Organic waste that has been diverted from landfill is being used by Byron Shire's farmers to grow sustainable produce and improve local soil quality.

Bin change a boon for local farmers

Landfill space has been saved, soil quality has been improved and local farmers have been supported to grow sustainable food thanks to Byron Shire Council introducing a food organics and garden organics (FOGO) household collection service.

A \$735,759 grant from the NSW Environment Protection Authority's Waste Less, Recycle More Organics Household Pillar has seen more than 10,000 kg of FOGO waste diverted from Byron Shire's landfills between August 2015 and December 2017. The valuable resource is instead converted into rich compost to help the region's growers and farmers produce sustainable food.

Byron Shire Council introduced the green-lid FOGO service after finding 50% of waste in red lid bins in 2012 was recyclable organics.



More BIG IDEAS...



processing City to Soil collections with the
Groundswell Composting process

This document describes the composting process being used by four NSW councils to transform their residential food and garden waste into a high quality, high nutrient, and biologically active composted product as part of the Groundswell project.

Groundswell is a three year project which is supported by the NSW Environment Trust Urban Sustainability Program. The process has subsequently been tested and refined by a range of councils, government agencies and farmers to compost biosolids, carbonates, commercial pet food waste, manures, paper sludge, nappies and water weeds.

Instrumental to the success of the Groundswell project has been developing a simple, safe, effective and low cost process using a bio-tech product from a Queensland company called Vital Resource Management (VRM). The bio-tech product is a two part inoculant that works properly used and managed, creates stability, predictability, consistency and control at all stages of the composting process. Combined with the use of compostable Biologs for the collection of food scraps, which actively denitrify food waste, reducing smell and ensure food arrives hot at the composting site in an aerobic state, the entire City to Soil process is odour free from kitchen to finished product.

Composting facilities have been established in Goulburn Mulwaree Council and Lachlan Council on existing landfills. An initial composting site located in the Sydney Water Catchment area in Orange county collections has been licensed and will be operational soon. Food scraps and garden waste collected through the City to Soil collections in Goulburn Mulwaree Council and Lachlan Council are being composted using the Groundswell Composting Process outlined below.

The Groundswell Composting Process has been designed to meet the following criteria:

- ▶ require minimal new machinery and infrastructure
- ▶ able to use existing landfill or farm machinery (e.g. small tractor with blade or front end loader)
- ▶ able to operate in exposed sites with no power and minimal water
- ▶ minimal labour and machinery requirement
- ▶ simple step-by-step process that can be managed by existing waste management or farm labour without expert composting knowledge
- ▶ able to operate consistently with seasonally variable feed stocks
- ▶ able to effectively manage concerns about pests/risk including odour, vermin and birds
- ▶ produce the highest quality biologically active compost possible with zero physical contamination that meets agricultural market requirements.



Processing City to Soil collections with the Groundswell Composting Process



World class. It's in our nature.

Financials

Current status and 20/21 Budget Review

GRANT FUNDING

GRANT FUNDING			
Opening grant funding as at 1 st July 2019			\$341,862
Grant payments 19/20	Keep on Keeping it in Kin Kin	\$35,000	
	Noosa Environmental Education Hub	\$51,250	
	Rise to Meet the Tide Climate Change Event	\$3,000	
	BBTF – UQ Skilleter Report	\$6,780	
	BBTF – Project Expenses	\$16,586	
	Tourism Noosa – Trail Master Plan	\$9,700	
	Griffith University - Oyster Diversity	\$10,000	
Total of grants provided 19/20			-\$132,316
Grant funding on hand 31 May 2020			\$209,546
Project funding committed	Keep on Keeping it in Kin Kin final payment	\$18,700	
	BBTF – UQ final payment (The Thomas Foundation)	\$30,000	
	Reimburse NSC for reef insurance	\$11,000	
	Cultural Learning Trail final payment	\$7,500	
	Country Noosa Rural Enterprise Plan final payment	\$1,000	
Total project funding committed			-\$68,200
Grant funding available 20/21			\$141,346

OPERATIONS

BREAKDOWN OF OPERATIONS EXPENDITURE

Opening Surplus 1 st July 2019		\$113,200	FY19/20 Operational Funding from Noosa Council \$120,000
Noosa Council Contributions		+ \$90,000	
Outgoing Consultants as at 31 May 2020	\$23,827		
Outgoing Operational Expenses as at 31 May 2020	\$25,949		
Total Operations Expenditure this financial year		- \$49,776	
Closing Operations Surplus as at 31 May 2020	(\$195 interest received)	\$153,620	

Noosa Council Q4 Operational to be invoiced	\$30,000
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NBRF Operational Expenditures

Past, Present and Proposed (FY 20/21)

Operations	17/18	18/19	EST 19/20	EST 20/21
Contributions 2019-20				
Noose Shire Council	\$140,000.00	\$140,000.00	\$120,000.00	\$100,000.00
Other Income				
Interest Received	\$1,618.30	\$71.50	\$25.00	\$35.00
Total Income	\$141,618.30	\$140,071.50	\$120,025.00	\$100,035.00
Less				
Cash operating expenses				
Admin Coordination	\$21,350.00	\$23,000.00	\$24,000.00	
Communications / Public Relations/Education	\$5,775.00	\$11,000.00	\$25,000.00	
Overall Program Management		\$15,000.00	\$30,000.00	
Funding Support		\$15,000.00	\$30,000.00	
Project Assurance	\$2,000.00	\$10,000.00	\$0.00	
Specific project support		\$15,000.00	\$30,000.00	
Total Consultants (17/18 not separated)	\$168,266.00	\$29,125.00	\$89,000.00	\$139,000.00
Other Operating Expenses				
Accounting	\$6,531.80	\$5,540.00	\$5,500.00	\$6,000.00
Advertising	\$1,078.04	\$5,622.08	\$2,000.00	\$3,000.00
Auditing	\$3,050.00	\$3,100.00	\$3,200.00	\$3,300.00
Bank Fees and Charges	\$114.00	\$95.78	\$100.00	\$100.00
Bookkeeping	\$709.00	\$612.00	\$700.00	\$750.00
Donations	\$161.83	\$7.14	\$0.00	\$0.00
Educational and Project Events	\$0.00	\$672.73	\$15,000.00	\$20,000.00
Filing Fees	\$48.00	\$195.00	\$200.00	\$200.00
Gifts	\$0.00	\$0.00	\$0.00	\$0.00
Insurances	\$4,014.92	\$3,857.58	\$4,500.00	\$4,500.00
Meeting Expenses	\$1,763.29	\$1,613.32	\$1,200.00	\$1,500.00
Office Equipment	\$35.00	\$135.45	\$100.00	\$100.00
Postage	\$125.45	\$143.50	\$150.00	\$150.00
Printing and Stationery	\$719.85	\$898.52	\$800.00	\$800.00
Repairs & Maintenance	\$104.60	\$0.00	\$120.00	\$120.00
Subscriptions	\$170.45	\$753.08	\$300.00	\$300.00
Telephone	\$958.48	\$942.77	\$950.00	\$950.00
Travel & Accommodation	\$565.36	\$524.55	\$0.00	\$0.00
Web Site	\$482.26	\$2,600.00	\$1,500.00	\$1,500.00
TOTAL OTHER EXPENSES	\$20,632.33	\$27,313.50	\$36,320.00	\$43,270.00
TOTAL INCLUDING CONSULTANCY	\$188,898.33	\$56,438.50	\$125,320.00	\$182,270.00
TOTAL NET OF OPERATING INCOME	-\$47,280.03	\$83,633.00	-\$5,295.00	-\$82,235.00
Add Opening Operations Surplus (Deficit)	\$81,356.08	\$29,567.59	\$100,286.58	\$94,991.58
Closing Operations Surplus (Deficit)	\$34,076.05	\$113,200.59	\$94,991.58	\$12,756.58

Our operational request for fiscal 2020/21 and reflects a decrease in overall budget request as well as the shift in methodology noted previously that will enable the NBRF in its mission to

'Find, Fund and Finish' – with the added goal of most projects being externally funded without further council support wherever possible.

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The bottom line is we are requesting a 20% reduction in operational funding for FY20/21 from 120k to 100k (\$25k a quarter) which was in turn reduced from 140k per year previously

Notably this budget has been designed to provide the volunteer board members the resources to achieve three goals in the coming fiscal year(s):

- **Increase external funding support**
- **Enhance community engagement and communication**
- **Accelerate projects (initiation and execution)**

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Admin Coordination	\$21,350.00	\$23,000.00	\$24,000.00	
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Auditing	\$3,050.00	\$3,100.00	\$3,200.00	\$3,300.00
Bank & Financial Services	\$111.00	\$205.70	\$100.00	\$100.00
Books & Stationery				.00
Domestic Travel				.00
Education				.00
Filing				.00
Gifts				.00
Insurance				.00
Meals				.00
Office Supplies				.00
Postage				.00
Printing				.00
Recreation				.00
Subscriptions				.00
Telephone				.00
Travel				.00
Utilities				.00
Water				.00
TO TO TO TO Ad				.58
Closing Operations Surplus (Deficit)	\$34,070.00	\$113,200.00	\$94,991.50	\$12,750.58

While admin expense will remain the same we propose to drive to employ a fundraising resource (self funding in a manner of thinking) along with consistent marketing which will have both a outward facing external value (fundraising/partner procurement) and inward community engagement and educational benefit

The figures for the remainder of FY 19/20 and FY 20/21 include the services of both general and specific project management expertise to help the Board evaluate overall priorities and drive projects to a successful and publishable conclusion, as well as the funding consultant component to help develop these alternative sources.

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We have employed external project consultants in the past and will continue to do so based on individual project requirements and relevant expertise however are looking to increase our effectiveness in the new model by providing internal working support with an experienced program management resource for our all volunteer board



"And that's our plan.
Any questions?"



- The principal objects of the company are for the **charitable purposes of protecting and enhancing the natural environment** by:
 - **Advancing the conservation and enhancement of natural ecosystems and biodiversity** of the Noosa Biosphere Reserve
 - **Advancing environmental research, education and information** related to the Noosa Biosphere Reserve
 - **Fostering economic and human development** that is environmentally and socially sustainable and culturally appropriate
 - **Developing and implementing a management plan** for the Noosa Biosphere Reserve that is aligned with the UNESCO Man and the Biosphere Program and Australian Biosphere Reserve Management Principles
 - **Monitoring performance of the Noosa Biosphere Reserve** and reporting to UNESCO and the Noosa Community

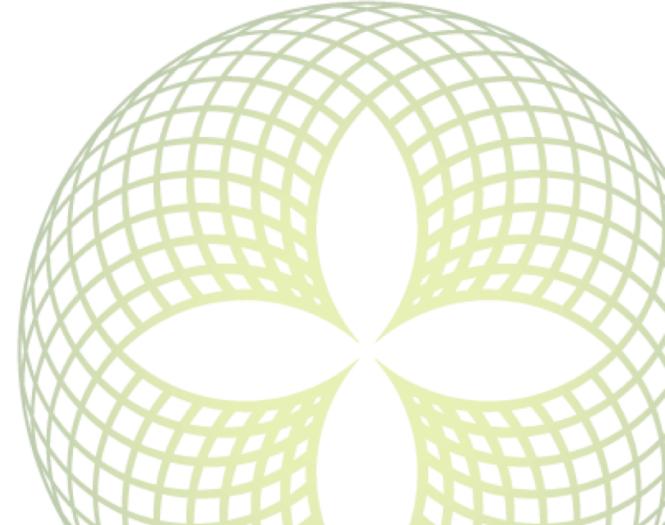
Trust Deed (NBRF from Noosa Shire Council)

2 PROGRAM

NBRF must carry out activities to achieve the objects of the NBRF Company and the purposes of the Noosa Biosphere Reserve Trust (the Trust) which are for the public charitable purposes of protecting and enhancing the natural environment and for contributing to the realisation of the aims of UNESCO's Man and the Biosphere Program.

- a) *"The principal purposes of the Trust are:*
 - i) *Advancing the conservation and enhancement of a significant aspect of the natural environment, being the natural ecosystems and biodiversity of the Noosa Biosphere Reserve; and*
 - ii) *Advancing environmental research, education and information about a significant aspect of the natural environment, being the Noosa Biosphere Reserve.*
- b) *In seeking to achieve the principal purposes of the Public Trust, the Trust may, without limitation:*
 - i) *Foster economic and human development that is environmentally and socially sustainable and culturally appropriate;*
 - ii) *Develop and implement a management plan for the Noosa Biosphere Reserve that is aligned with the UNESCO Man and the Biosphere Program and Australian Biosphere Reserve Management Principles¹.*
 - iii) *Monitor performance of the Noosa Biosphere Reserve and its reporting to UNESCO and the Noosa community.*

- 1 July 2018 until 30 June 2021.
- “Must carry out activities to achieve the objects of the NBRF Company and the purposes of the Noosa Biosphere Reserve Trust (the Trust) which are for the public charitable purposes of protecting and enhancing the natural environment and for contributing to the realization of the aims of UNESCO’s Man and the Biosphere Program.
- “Eligible entities” – doing work or activities in line with the purposes of the trust
- IP requirements – Program Material, licence to Council



- NBRF is endorsed as a charity as our purposes are a charitable purpose (“advancing the natural environment”)
- To remain endorsed, Foundation must be actively undertaking “activities” rather than merely passively distributing grants.
- Activities, programs and/or projects may be delivered either directly by the Foundation or by third parties – on behalf of the Foundation.

