

①
Tim Ryan

From: Wilson Bruce </O=DEPT OF NATURAL RESOURCES/OU=QUEENSLAND/CN=RECIPIENTS/CN=WILSONB>
Sent: Friday, 6 May 2011 1:16 PM
To: Ryan Tim
Subject: FW: Maleny wetlands
Attachments: Screen shot 2011-05-06 at 8.05.31 AM.png; ATT331344.htm; Screen shot 2011-05-06 at 8.05.15 AM.png; ATT331345.htm; Screen shot 2011-05-06 at 8.04.58 AM.png; ATT331346.htm; letter to derm on wetlands.docx; ATT331347.htm

Follow Up Flag: Follow up
Flag Status: Completed

Hi Tim

I had a look at this. There does appear to be an additional wetland not mapped, 2 ha – see rough polygon in /gis/home/ [redacted]

Probably remnant but if not can you add it as disturbed.

On a related matter these wetlands up here should probably be 12.3.8a as they are a bit different to 12.3.8 which is generally on a floodplain.

Bruce Wilson
Biodiversity & Ecosystem Sciences (Queensland Herbarium)
Department of Environment and Resource Management

Telephone: 07 3896 9465 **Facsimile:** 07 3896 9624
Mobile: [redacted]

From: Ronan Mike
Sent: Friday, 6 May 2011 10:40 AM
To: Wilson Bruce
Subject: FW: Maleny wetlands

Bruce,

if you have some time can you look at the attached and let me know if the reason for the lack of mapping of the wetland is an issue of scale or some other process.

Many thanks

Mike

From: Steven Lang [mailto:[redacted]]
Sent: Friday, 6 May 2011 8:22 AM
To: Ronan Mike
Subject: Re: Maleny wetlands

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over it and a close up of the two wetlands. In the close up the brown oval is a driving range that was being developed at the time. The southern and 'listed' wetland is to its west in a broad comma shape, the eastern, and unlisted one is to the east.

I also attach the letter I sent originally to Paul Roff who has since sent it on to Kerri Milne.

Once again, thank you for your interest,
best wishes, Steven Lang,

On 06/05/2011, at 7:42 AM, Ronan Mike wrote:

Steven,

I have left a message on your phone to contact me to discuss. Look forward to talking to you.

Mike

From: [redacted] Les Hall [mailto:[redacted]]
Sent: Wednesday, 4 May 2011 1:00 PM
To: Ronan Mike
Cc: Steven Lang
Subject: Maleny wetlands

Dr Mike Ronan
Queensland Wetlands Program

Dear Mike,

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One of the wetlands has been identified a Regional Ecosystem of Concern. It is a paulstrine wetland (12.3.8) and the last remaining example of this type of wetland in the whole Obi Obi Creek catchment area (a mayor inflow for Baroon Pocket Dam).

It is our understanding that the recommended buffer zone for areas listed as a Regional Ecosystem of Concern is 100m. We also note that there are acceptable uses for activities within this buffer zone.

Currently there is a Master Plan for the precinct land and negotiations for lease areas are being decided. Our concern is that the wetland is currently planned to be surrounded by a golf course which intends to mow grass right up to the edge of the wetlands.

As well as the unique vegetation, the wetland contains a number of bird species that are either rare and endangered or protected by international agreements such as JAMBA (eg Latham's Snipe). We are currently organising base line studies on fauna, flora and water quality. Base line studies were recommended by several consultants hired by SCRC, but up to now no such studies

have been done. Queensland Museum records show that a number of interesting frog species have been recorded for the wetland.

We do not consider that a mown surface right up to the edge constitutes an acceptable use of the buffer zone. It would not provide the essential habitat (nesting, feeding, roosting etc) for many of the dependent fauna, would allow easy access by predators such as foxes and would promote penetration of golf course grasses and weeds into the wetland.

Also, there are a number of springs which maintain the water flow through the wetland which we consider are not adequately protected.

How do we go about making sure proper buffer zones are used to protect this wetland?

Another small wetland on the precinct was identified as having the same features as a paulstrine wetland (12.3.8) but because of its size was not picked up when the mapping was done for the Regional Ecosystems. It was recommended that this wetland be resurveyed by DERM and listed as a paulstrine wetland of concern.

How do we get DERM to inspect this wetland? Would the wetlands be considered as HES for the Sustainable Planning Regulation (2009)?

The wetlands may only be minor in terms of state RE context, but they are very important for the people here in Maleny who value our environment.

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Any advice or assistance from you would be most appreciated.

Kind regards,

Steven Lang (President, Green Hills) [redacted]
and Les Hall (Director, Green Hills) (I will be on [redacted])

please respond to Steven Lang)

Think B4U Print

1 ream of paper = 6% of a tree and 5.4kg CO2 in the atmosphere

3 sheets of A4 paper = 1 litre of water

Attachment 1 D letter to derm on wetlands.docx



ABN 86 071 444 123

Registered Office

9 Bunya Street, Maleny, Qld 4552

President: Steven Lang: [redacted]

Phone: 07 5429 6569

Secretary: [redacted]

Phone: [redacted]

All correspondence to the Secretary

PO Box 662, Maleny Qld 4552

22/3/2011

Paul Roff,
Natural Resource and Environment Division,
Department of Environment and Resource Management
PO Box 2454
Brisbane
QLD 4001

Dear Sir,

I write on behalf of the three major environmental organisations here in Maleny, Green Hills, Barung Landcare and Lake Baroon Catchment Care.

We write to draw your attention to an area of wetland which we believe falls under the category of a palustrine ecosystem 'of concern.'

The wetland is on the Maleny Community Precinct, approximately 126ha of land owned by the Sunshine Coast Council lying adjacent to the township. The property contains three identifiable wetlands, known as the Northern, Southern and Eastern Wetlands, and has a frontage of some 4kms on the Obi Obi Creek, the main watercourse throughout the Range (and the source of water for the Sunshine Coast via Baroon Pocket Dam). The Precinct has recently undergone master planning for multi-use purposes, including sports fields, a golf course and walking trails.

The Southern Wetland has already been recognised in regional mapping as a 'regional ecosystem of concern, type 12.3.8,' an analysis which was confirmed by Australian Wetlands p/l in their 2009 report, 'Maleny Community Precinct, Environmental Scoping Document,' commissioned by Sunshine Coast Council. (see attached summary).

This report identifies the Eastern Wetland as being a similar palustrine wetland and, although it had not been mapped, recommended it be afforded protection. Interestingly enough this year Sunshine Coast Council also engaged McGarry and Eadie to conduct a study of both these wetlands and came to the same conclusion about the value of the Eastern Wetland.*

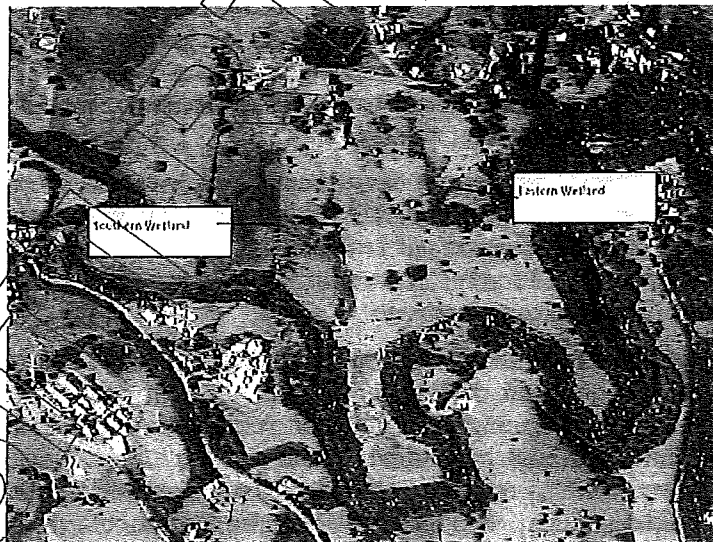
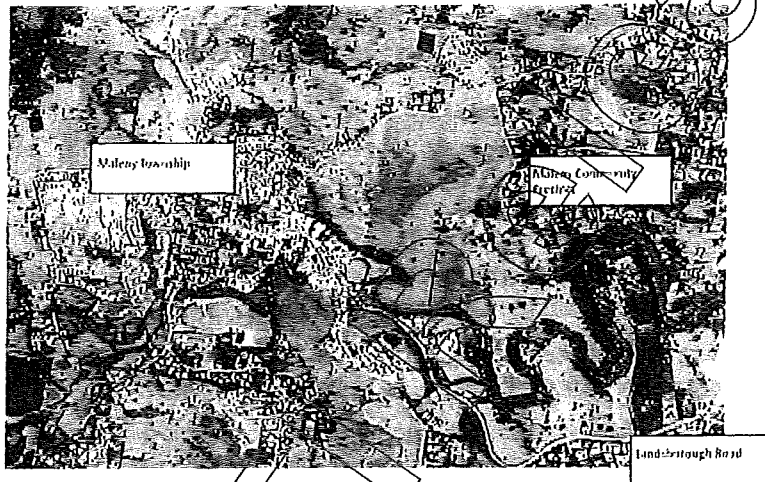
McGarry and Eadie, in turn, engaged Dr Peter Breen, the noted wetlands expert, to conduct a survey of the wetlands. He made the comment that were the Eastern Wetland to be drawn to the attention of DERM he considered it likely it would be afforded the same status as the Southern Wetland. He further made the comment that 'Palustrine Wetlands like these are under

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considerable threat. These systems were once widespread but as they are easy to fill and flood, vast areas have been lost in Australia.'

It is of some concern to us that this area is, as I write, being considered as the site of a golf course, and may well be flooded. It seems timely to request that your department inspect the wetland as soon as possible and draw your own conclusions.



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I thank you for your consideration of this issue, and look forward to hearing from you at your earliest convenience. If there is any further help I can provide, in the form of mapping, site access, relevant documents from the Master Planning Process etc., please do not hesitate to ask,

I remain, yours sincerely,

Steven Lang, President, Maleny District Green Hills Fund,
on behalf of:

[redacted] President, Barung Landcare

[redacted] President, Lake Baroon Catchment Care.

Dr Les Hall

[redacted] local business owner

* The McGarry and Eadie study, *Maleny Community Precinct – Wetlands Assessment Report, 2011*, is still in draft form and has not been released yet.

Australian Wetlands, Environmental Scoping Report, 2009.

AUSTRALIAN WETLANDS PTY LTD Environmental Scoping for the MCP SC08031

Pages 63, 64

[redacted]

6 Conclusions/Recommendations

Having considered the environmental values of the MCPS, environmental infrastructure required and future management needed, the following recommendations are provided:

- 100m Corridors/riparian buffers should be provided in areas where R.E. Mapping shows gallery rainforest to be present along the bank of Obi Obi Creek. Provision of 40m corridors/buffers in other areas is the minimum requirement under the Caloundra City Plan Natural Waterways and Wetlands code (2004), and should be provided at a minimum through all other areas adjacent to waterways.
- The eastern wetland should be retained, and a 100m Environmental Area implemented surrounding this area, consistent with other wetlands on site, and with the Caloundra City Plan Natural Waterways and Wetlands Code (2004).

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Connectivity should be provided between Environmental Areas connecting Porters Wood, and surrounding the northern wetland and Obi Obi Creek. This may require reconfiguration of the South Western Community Facilities Area.

Appropriate investigations should be undertaken into the rehabilitation of the northern wetland to address its highly degraded state.

If the northern wetland is to be modified, it should be done in such a way as to enhance environmental values and water treatment capacity for nearby residential areas. A broad, shallow wetland, which is densely vegetated with macrophytes, would be optimal. If an open water storage area is required to meet community aspirations, this should be provided higher up in the catchment, to enable water to be treated by the wetland before entering Obi Creek.

The temporary road crossing that has been built towards the base of the southern wetland, should be removed and appropriate box culverts or raised road be built to minimise hydrological and water quality impacts.

Best practice stormwater management processes are essential to prevent the proposed Rural Residential Area immediately adjacent to a remnant of gallery rainforest from impacting on this area of endangered regional ecosystem. Appropriate restrictions should also be implemented for rural residential areas to reduce impacts on surrounding environmental values.

The proposed multi-use trail network should comprise the following:

- o A Class 1 trail between the South Western Community Facilities Area, which follows the creek closely until it meets the southern wetland. From this point the trail should change to a more environmentally sensitive (suggest Class 3) design, to continue onto Gardeners Falls, providing users with the opportunity to appreciate high-quality, sensitive environmental values at selected locations. The Class 3 trail should then continue on past the eastern wetland, before reverting to a Class 1 trail, which passes Pattemore House, and terminates at Mt. Beerwah Viewing Area.

- o A multi-use trail designed with cyclists in mind from Mt. Beerwah Viewing Area down to the southern wetland, returning along the multi-use trail along Obi Obi Creek

- o A pedestrian-only trail boardwalk trail from Pattemore House along the southern wetland.

Design of the proposed golf course should integrate with existing environmental values on site, to minimize habitat loss/disturbance, and avoid water quality impacts. Wastewater re-use options should be considered for irrigation purposes.

Further Research Requirements

The following additional studies are required to inform various stages of the proposed Maleny Community Precinct development:

A more recent and extensive flora/fauna study would be beneficial to establish species present and provide detailed information relating to location of threatened vegetation and important habitat values on site.

Appropriate assessments should be undertaken to determine the implications of modifying the northern wetland, and to develop an appropriate design for incorporation into the Master Plan.

A project to identify if weed species are functioning as native wildlife habitat and develop a strategy for staged weed removal and replacement.

A Trail Plan should be developed through broad consultation for the proposed multi-use trail network, to inform development of the Master Plan.

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- Revegetation and pest management plans should be developed for the site.
- Site specific stormwater management plans need to be developed.
- Investigate solutions to reconfigure the South Western Community Facilities Area to provide connectivity for Environmental Areas, whilst ensuring adequate access and utility.

Australian Wetlands Pty Ltd Suite 2 Level 2, 132 Bulcock Street Caloundra, 4561
(07) 5494 7355 (07) 5494 7255 sunshinecoast@wetlands.com.au

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2

Tim Ryan

From: RONAN Mike <Mike.Ronan@ehp.qld.gov.au>
Sent: Monday, 9 May 2011 7:13 AM
To: Wilson Bruce
Subject: RE: Maleny wetlands

Thanks Bruce for the clarification

From: Wilson Bruce
Sent: Friday, 6 May 2011 5:03 PM
To: Ronan Mike
Subject: RE: Maleny wetlands

It looks about two ha – just not as clear as the other two mapped next to it. I'll get it added to RE mapping – seems pretty clear on the imagery that was provided- so it will appear on next release.

Bruce Wilson
Biodiversity & Ecosystem Sciences (Queensland Herbarium)
Department of Environment and Resource Management

Telephone: 07 3896 9465 **Facsimile:** 07 3896 9624
Mobile:

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To: Ronan Mike
Cc: Steven Lang
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and Les Hall (Director, Green Hills) - I will be on [redacted]

[redacted] so please respond to Steven Lang

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3

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Sent: Monday, 9 May 2011 1:11 PM
To: 'Steven Lang'
Cc: MILNER Kerri; Wilson Bruce; Noleen Brown
Subject: RE: Maleny wetlands

Steven,

I have been in contact with the staff responsible for the RE mapping and they have indicated that the other wetland will be assessed for inclusion in the next round of RE updates as it appears to be a wetland and is above the minimum size for inclusion (1ha).

As this is a joint project with the council I would think they may be interested in using the best practice wetlands buffer guideline in order to maintain the values of the wetland on the site. I understand you have a copy of the guideline from the website.

If you are undertaking surveys of the flora and fauna associated with the site we would be interested in obtaining some of the records as these may be used in our own databases - could you please contact Noleen Brown in this regard.

Let me know if you need any further information.

Regards

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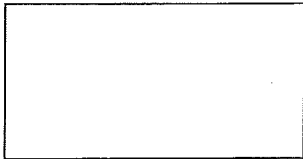
Steven Lang (President, Green Hills) - [redacted]
and [redacted] (Director, Green Hills) - (I will be on [redacted])

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-----+
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3 sheets of A4 paper = 1 litre of water
-----+



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4

Chris Pennay

From: Jackson Evan
Sent: Thursday, 11 August 2011 3:01 PM
To: Ryan Tim; Pennay Chris
Subject: Wetland not captured
Attachments: 3SP184546.jpg

Hi Tim/Chris,

Any reason why this wetland is not captured by the QLD wetland Mapping.

I did notice that creek drainage doesn't even seem to have picked it up.

Regards,

Evan Jackson
Senior Project Officer
Environment Planning
Natural Resources and Environment
Department of Environment and Resource Management Telephone (07) 3330 5762 Facsimile (07) 3330 5875 9th
Floor, 400 George St, Brisbane GPO Box 2454, Brisbane, QLD 4001

The message is ready to be sent with the following file or link attachments:

3SP184546.jpg

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

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5

Chris Pennay

From: Jackson Evan
Sent: Tuesday, 11 October 2011 5:02 PM
To: Ryan Tim; Pennay Chris
Subject: 3 Missing Wetlands, 1 ex-wetland

Hi Tim/Chris,

I have a couple of wetlands that should be added and one that should be excluded in the next version of wetlands. What are your opinions?

- The first is of a wetland that probably does not exist any more. Using Google earth imagery you can see that development has occurred around it and through it.
- The second is a wetland ecosystem in Maleny that has not being classed as any wetland system.
- The third is some missing wetlands in the lower Mulgrave area (south west of Cairns)
- And the fourth is a request from a landholder to add a spring to the wetlands



Bundilla_SS_Wet... Maleny_Missing... Extra_wetlands... BRP204...

Any questions, just give me a call.

Regards,

Evan Jackson
Senior Project Officer
Environment Planning
Natural Resources and Environment
Department of Environment and Resource Management
Telephone (07) 3330 5762 Facsimile (07) 3330 5875 9th Floor, 400 George St, Brisbane GPO Box 2454, Brisbane, QLD, 4001

DS/TH RTI REQUEST

6

Tim Ryan

From: Ryan Tim, </O=DEPT OF NATURAL RESOURCES/OU=QUEENSLAND/CN=RECIPIENTS/CN=RYANT1>
Sent: Thursday, 13 October 2011 10:59 AM
To: Jackson Evan; Pennay Chris
Subject: RE: 3 Missing Wetlands, 1 ex-wetland

Hi Evan

Chris is on leave at the moments so I have had a quick look at each issue

1. This whole area is/was a wetland. The RE mapping has a big chunk of regrowth delineated in the lower two thirds of your red polygon, I would have thought this should have made it through to the wetlands mapping, will have to check this one out when Chris gets back
2. The Maleny wetland has already been done. We looked at this a while ago. The survey records showed this was originally vine forest and so has been mapped as 12.3.1 (riverine wetland)
3. Looks like wetlands but RE mapping classifies them as 7.3.10a which is not a wetland. I'll follow this up with the bioregional coordinator.
4. Not sure about a spring, but does appear to be a wetland. I'll alter the re mapping accordingly

Cheers
Tim

Tim Ryan
 Biodiversity and Ecosystem Sciences (Queensland Herbarium)
 Department of Environment and Resource Management
 T: (07) 3406 6044 | F: (07) 3896 9624

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<< File: Bundilla_SS_Wetland.jpg >> << File: Maleny_MissingWetland.jpg >> << File: Extra_wetlands_Lower_Mulgrave.pdf >> << File: [redacted]3RP204880_spring_included.pdf >>

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