

Date : 1/11/2021 4:29:10 PM

From : "Jo Zadkovich"

To : "David Woolsey" , "Alison Haycock" , "Greg Smyth" , "Anthony Ross" , "Chloe Gosling"

Cc : "Ashley Williams (DES)"

Subject : Borumba Pumped Hydro Energy Storage (PHES) Project

Attachment : image001.png;image003.png;image002.png;

Hi all,

It was good to get an overview from SMEC today. Sounds like we are aiming for March 2022 to have the initial feasibility authorities and arrangements sorted for SMEC.

Apologies, I am still a little unclear on who is doing what, however, thought it would be beneficial to briefly summarise what needs to happen. Please add to this if I left off anything important.

Initial feasibility:

- Investigate Native Title implications and advise ASAP if ILUA is required for geotechnical authority
- Investigate access authorities and potentially PTUKI if interference / ecological surveying is required
- Investigate if there is any existing road access points to proposed drill sites (QPWS to advise SMEC)
- Investigate geotechnical works authority (based on mining templates etc) and obtain the following from SMEC:
  - Drill sites GIS and confirm how flexible they are on site locations/movement (I think 50m either way of the identified location was mentioned)
  - Information on the drilling works expected to be undertaken on NP and SF tenure e.g. scale of drill site footprint, including clearing, drilling activities and machinery, spoil management and stockpiles – noting road access to some of the drill sites is highly unlikely, chopper likely the only way to get to there
  - An initial Environmental Impact Statement if possible – plus once they have more details on the scope of works etc a detailed Environmental Works Plan (considering all impacts and mitigation strategies and site rehabilitation) and Cultural Heritage Management Plan

Future requirements if feasible:

- Revocations (land offsets/compensation etc) of inundated lands (parts of Conondale NP and Yabba SF)
- Infrastructure authorities (can this infrastructure be authorised under NCA and FA or does it require leg changes?). Power station proposed to be on park but underground. No above ground infrastructure on park.

Thanks and talk soon.

Jo



**Jo Zadkovich**

Assistant Principal Ranger – Planning & Resilience  
Technical Support | SEQR | QPWS & Partnerships  
Department of Environment and Science

M Personal ii

Level 6, 12 First Avenue, Maroochydore QLD 4558



[Chat with me on Teams](#)

Date : 10/03/2022 12:34:20 PM

From : "Jo Zadkovich"

To : "Chloe Gosling"

Subject : FW: Boromba PHES project

Attachment : 30032677-SKT-001.pdf;30032677-SKT-002.pdf;Photo 5.JPG;Photo

2.JPG;image006.png;image008.png;image009.png;image010.png;image011.png;image012.png;image002.png;

Just FYI

---

From: Anthony Ross <Anthony.Ross@des.qld.gov.au>

Sent: Thursday, 10 March 2022 11:04 AM

To: Jon ALEXANDER

Cc: Leon BEYLEVELD; Alison Haycock

Subject: RE: Boromba PHES project

Hi Jon

Just to confirm the phone discussion we had, where I flagged that this last information (below and attached) left some ambiguity between what is proposed at the drilling sites—some of the images show everything on rigging/platforms with minimal ground impacts, where as the schematics appears to show everything on ground and assumably cut and fill earthworks to facilitate.

I understand you were going to seek further refinement on these matters and come back to QPWS. Ideally the schematics should show how the approach is being designed in regard to actual site conditions on-ground and the relevant locations—e.g. shown against contours, geological features, tree and other significant veg locations, waterways, etc.

Once we have these schematics further clarified, the intent was to issue you with a more detailed information request for any extra information we need to make a general assessment about possible impacts and conditions of any authorities etc. As an aside, I understand there was some discussion with Alison about having data loggers in boreholes, so we will need to pick up on information such as that including how it will be undertaken, accessed and over what duration.

As discussed, we can continue to do this generic assessment in parallel with the process of working out whether there is a suitable authorising pathway (though they will ultimately need to be brought together).

Please let me know if this is your understanding of where we are at.

Kind Regards



**Anthony Ross**

Principal Ranger, Technical Support

South East Queensland Region | Queensland Parks & Wildlife Service and Partnerships

Department of Environment and Science

M [Personal i](#) | or [Chat with me on Teams](#)

Mike Ahern Centre Lvl 6, 12 First Ave, MAROOCHYDORE QLD 4558

---

From: Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

Sent: Friday, 25 February 2022 9:47 AM

To: Anthony Ross

Cc: Leon BEYLEVELD; GWYNNE Chris (Powerlink); EVANS Chris (Powerlink); Anna WEST; Jo Zadkovich; Chloe Gosling

Subject: Boromba PHES project

Hi Anthony,

I have attached, for information purposes, some indicative plans of what the layout of a "heli-rig" geotechnical site might look like. I have also attached a couple of photos of one of these sites in use in an isolated area. There are many options for adapting these setups to suit specific site conditions and minimise potential impacts, for example in the photos you will note that much of drill rig setup is on scaffolding rather than on an excavated pad, with a subsequent reduction in vegetation and ground disturbance.

I am aware that discussion regarding the approvals pathway for these works are ongoing and have a level of complexity to them. However, I thought it would be helpful to have a clearer picture of what may be possible in relation to these proposed works.

If you have any queries regarding this information or require anything additional to further inform future discussions don't hesitate to contact myself or Leon Beyleveld directly.

Best regards,

**Jon Alexander**

Principal Ecologist

M [+61 7 5578 0250](#) E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

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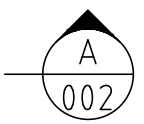
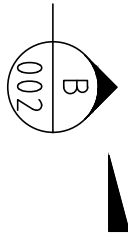
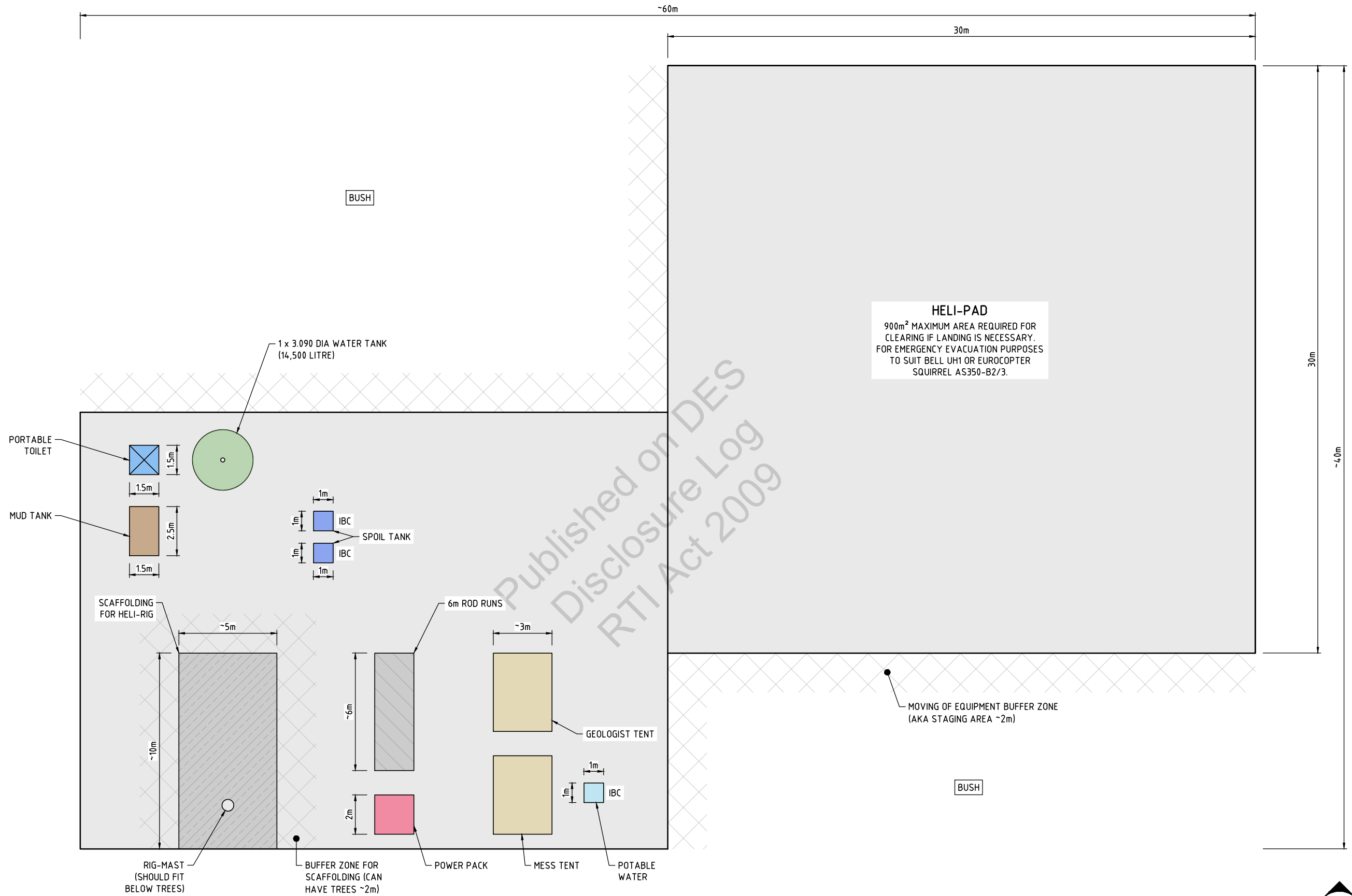


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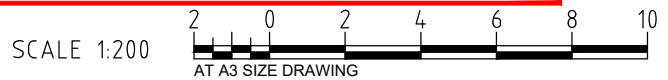
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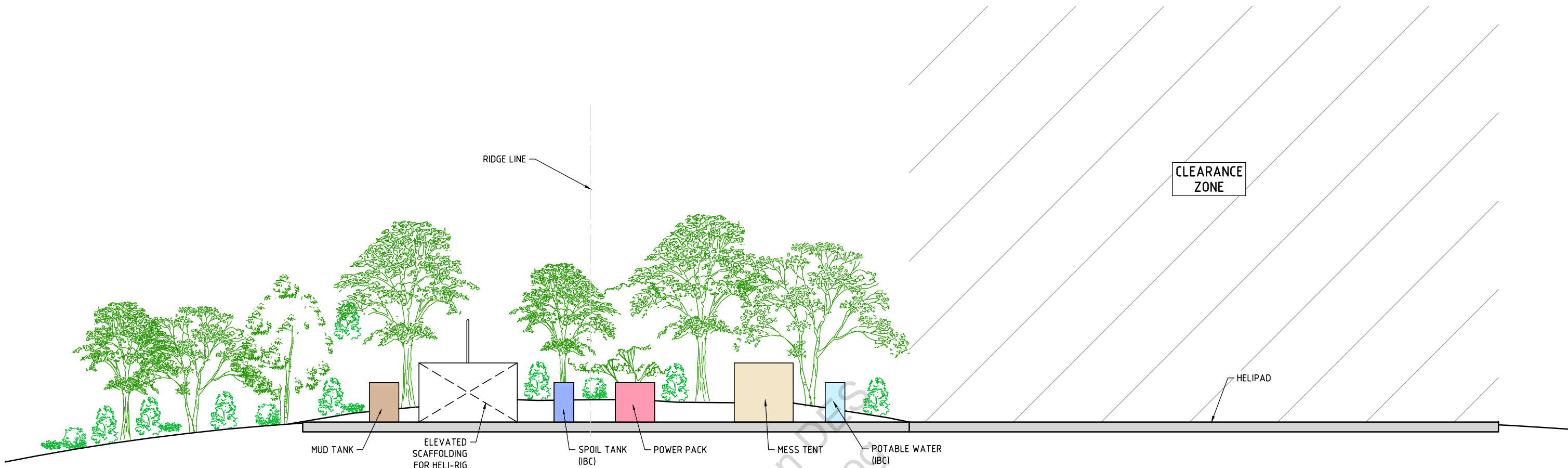


**BORUMBA DAM  
HELI-RIG AREA LAYOUT**

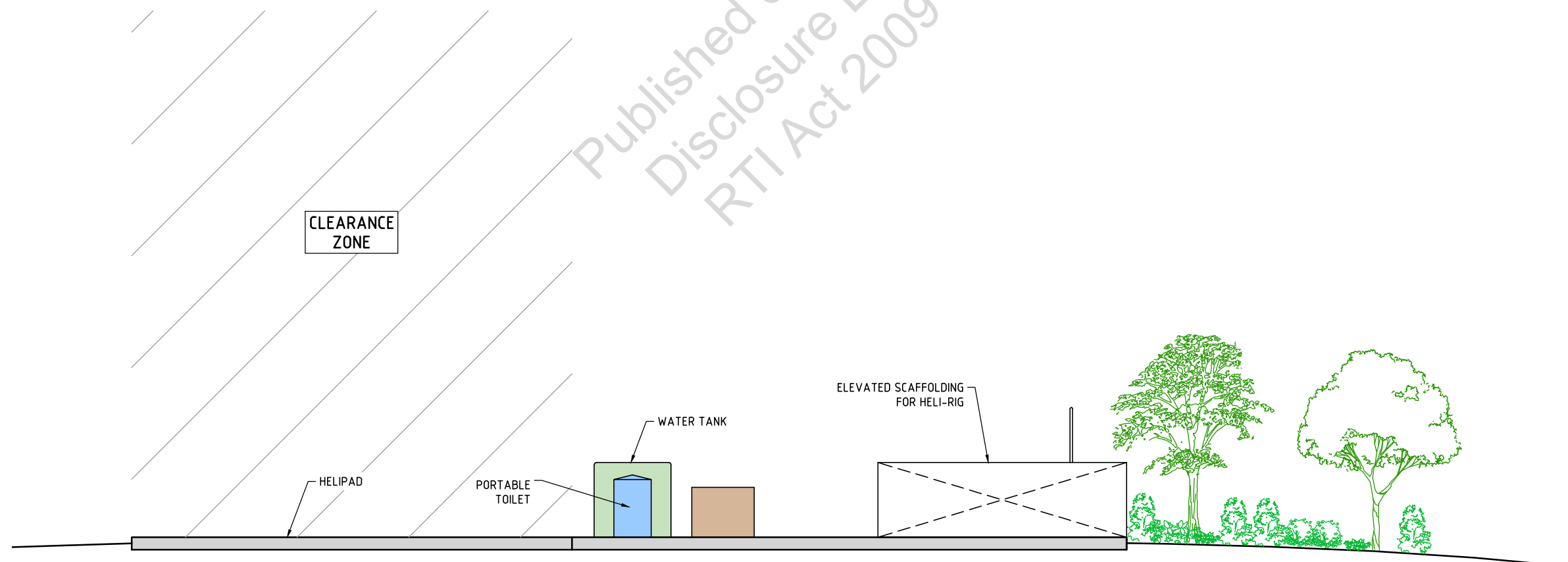
**INFORMATION DOCUMENT**

**30032677-SKT-001**





**ELEVATION A**



**ELEVATION B**

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SCALE: NTS

**BORUMBA DAM  
HELI-RIG AREA ELEVATIONS**

**INFORMATION DOCUMENT**

**30032677-SKT-002**



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Date : 25/02/2022 3:25:14 PM  
From : "Jo Zadkovich"  
To : "Chloe Gosling"  
Subject : FW: Boromba PHES project  
Attachment : 30032677-SKT-001.pdf;30032677-SKT-002.pdf;Photo 5.JPG;Photo 2.JPG;image001.png;image002.png;image003.png;image004.png;image005.png  
Just FYI

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From: Anthony Ross <Anthony.Ross@des.qld.gov.au>  
Sent: Friday, 25 February 2022 10:14 AM  
To: Alison Haycock  
Cc: Jo Zadkovich  
Subject: FW: Boromba PHES project

Hi Alison

FYI - see below and attached.

I have tried calling Jon because what is provided is fairly ambiguous—the images show much of the set up on scaffolding—but the diagrams show most on ground/cuttings with a helipad clearing in addition! The diagrams are now showing something like a 60m x 40m impact area (as opposed to the earlier 15 x 15m, then 30 x 30m ).

There is quite a bit of gear associated with the activity – but no doubt you already knew that!

I will see what further info I can get from Jon and will ask him to set out further details in writing...

Thanks

A

---

From: Jon ALEXANDER <Jon.Alexander@smec.com>  
Sent: Friday, 25 February 2022 9:47 AM  
To: Anthony Ross  
Cc: Leon BEYLEVELD; GWYNNE Chris (Powerlink); EVANS Chris (Powerlink); Anna WEST; Jo Zadkovich; Chloe Gosling  
Subject: Boromba PHES project

Hi Anthony,

I have attached, for information purposes, some indicative plans of what the layout of a “heli-rig” geotechnical site might look like. I have also attached a couple of photos of one of these sites in use in an isolated area. There are many options for adapting these setups to suit specific site conditions and minimise potential impacts, for example in the photos you will note that much of drill rig setup is on scaffolding rather than on an excavated pad, with a subsequent reduction in vegetation and ground disturbance.

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If you have any queries regarding this information or require anything additional to further inform future discussions don't hesitate to contact myself or Leon Beyleveld directly.

Best regards,

**Jon Alexander**  
Principal Ecologist  
M [6](tel:+61755780250) Personal info +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)  
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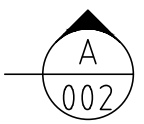
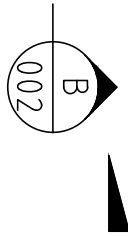
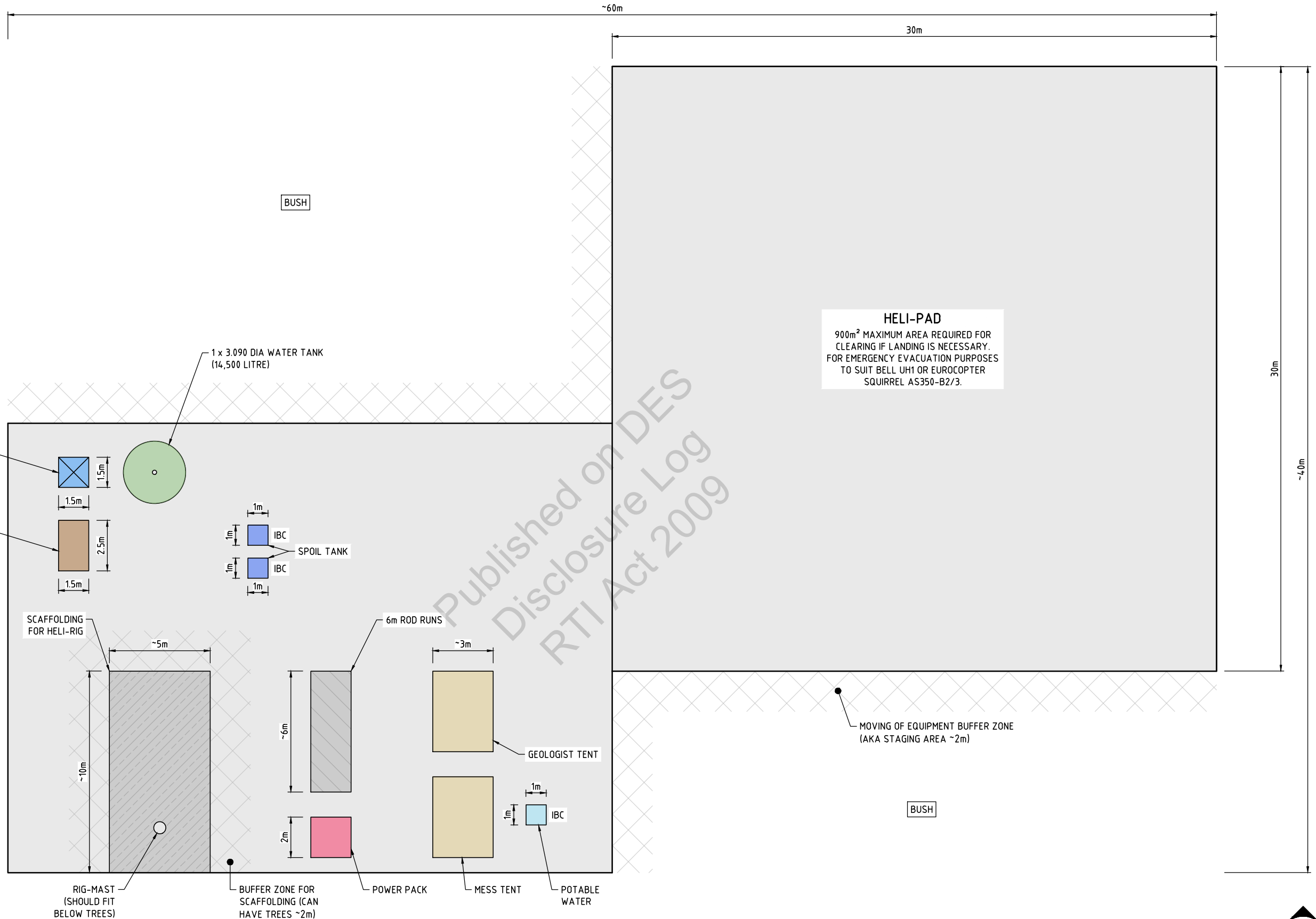
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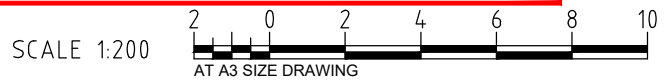
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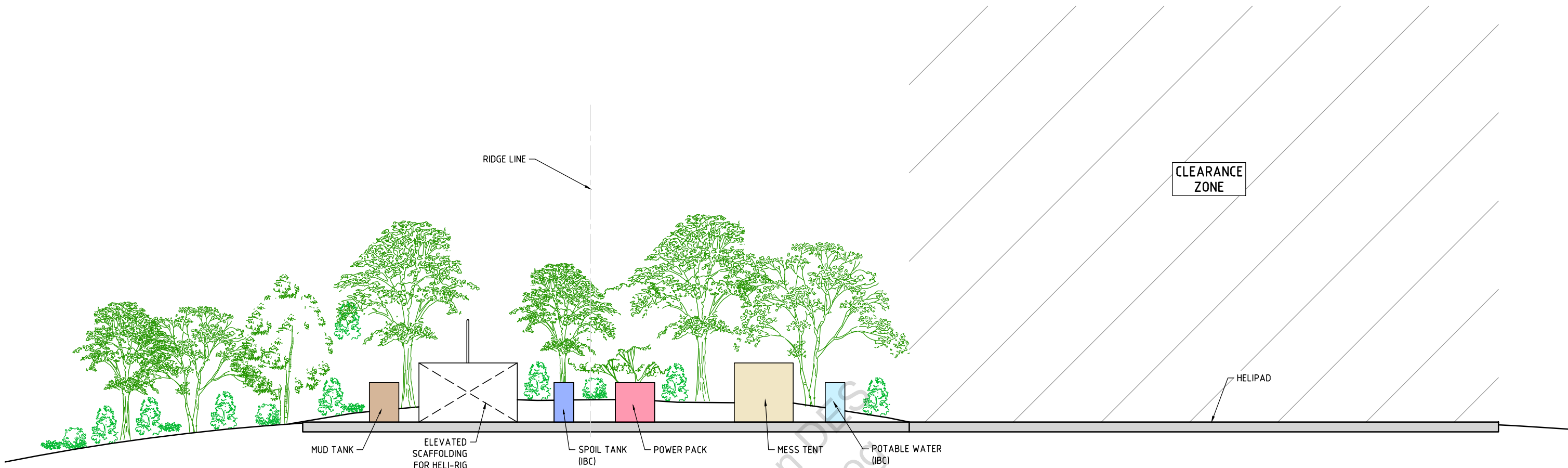
**BORUMBA DAM  
HELI-RIG AREA LAYOUT**

**INFORMATION DOCUMENT**

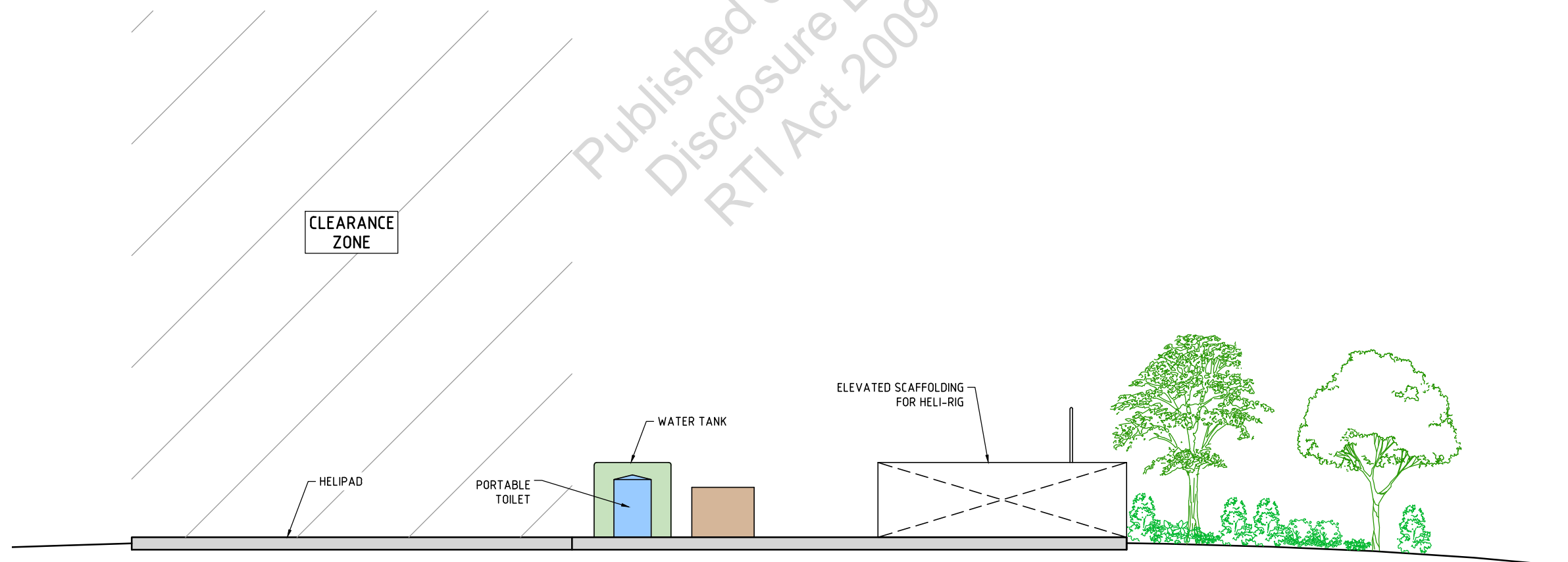
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**ELEVATION A**



**ELEVATION B**

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SCALE: NTS

**BORUMBA DAM  
HELI-RIG AREA ELEVATIONS**

**INFORMATION DOCUMENT**

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Date : 8/11/2021 7:48:53 AM

From : "Jo Zadkovich"

To : "Chloe Gosling"

Subject : FW: Borumba Dam PHES Geotechnical investigation Sites

Attachment :

ProposedGeotechLoc\_COORDINATESGDA2020.xlsx;PropGeotechLoc\_20211105.kml;image001.png;image002.png;image003.png;image004.png;image005.png;

Morning Chloe – FYI.

---

From: Jon ALEXANDER <Jon.Alexander@smec.com>

Sent: Friday, 5 November 2021 3:24 PM

To: Jo Zadkovich

Cc: Leon BEYLEVELD

Subject: Borumba Dam PHES Geotechnical investigation Sites

Hi Jo,

Thank you for the offer of investigating potential access to the proposed geotechnical sites within Conondale NP and Imbil SF. Apologies for the delay in getting these through there was a little bit of delay in getting the co-ordinate systems aligned with various elements in the project GIS. That is now been resolved.

I have attached the coordinates of all the Geotech investigations sites, but the ones which will be of interest to QPWS are... NP sites (NB05, TR01, ET01, PC01) and SF site (NB06). I have also attached a Kml with the locations pinpointed. If you would rather have these as a Shape file let me know and I can send that through as well.

Thanks for your assistance.

Best regards,

**Jon Alexander**

Principal Ecologist

M (6) Personal info +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

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Date : 25/10/2021 11:36:24 AM

From : "Jon ALEXANDER"

To : "HAYCOCK Alison" , "WILLIAMS Ashley (DES)" , "WOOLSEY David" , "SMYTH Greg" , "GOSLING Chloe"

Subject : FW: Borumba Pumped Hydro Introductory meeting

As per the email –

They are hoping to cover in the meeting is:

- Introduction to the propose project
- Context of the current stage of works
- Details of works which would require access to the National Park
- Approval requirements for those works to proceed
- Stakeholder relationships (QPWS is seen as key stakeholder in the wider project)

If you have any items you would like to see included in the meeting agenda please feel free to let me know.

-----Original Appointment-----

**From:** Jon ALEXANDER <Jon.Alexander@smec.com>

**Sent:** Monday, 25 October 2021 9:46 AM

**To:** Jon ALEXANDER; Leon BEYLEVELD; Jo Zadkovich; Anthony Ross; Rebecca POWLETT

**Subject:** Borumba Pumped Hydro Introductory meeting

**When:** Monday, 1 November 2021 11:30 AM-12:30 PM (UTC+10:00) Brisbane.

**Where:** Microsoft Teams Meeting

Hi Jo/Ross,

Please pass this invite on to whoever you feel needs to be involved.

Best regards.

Jon Alexander

---

## Microsoft Teams meeting

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Date : 10/08/2021 4:24:25 PM

From : "ROSS Anthony"

To : "NORAMBUENA Sergio" , "ENSLIN Justin"

Cc : "ZADKOVICH Jo"

Subject : FW: Borumba pumped hydro project to take next step in partnership with community

Fyi only – will involve some revocation of Conondale NP and Imbil SF I recall.

We have introduced the Dept ERH to Kabi Kabi...

A

---

From: HEAD Damien <Damien.Head@des.qld.gov.au>

Sent: Tuesday, 10 August 2021 2:59 PM

To: ROSS Anthony; COLLIN Jennifer; WEINERT Nick; SMYTH Greg

Cc: Corro DES QPWS Southern

Subject: FW: Borumba pumped hydro project to take next step in partnership with community

---

From: Ministerial Media Statements QLD <[no-reply@statements.qld.gov.au](mailto:no-reply@statements.qld.gov.au)>

Sent: Tuesday, 10 August 2021 2:53 PM

To: HEAD Damien

Subject: Borumba pumped hydro project to take next step in partnership with community



## Media release

Minister for Energy, Renewables and Hydrogen and  
Minister for Public Works and Procurement

The Honourable Mick de Brenni

### Borumba pumped hydro project to take next step in partnership with community

One of Queensland's largest renewable energy projects is about to take the next step in consultation with the local community as the Palaszczuk Government continues to prioritise investment in renewables as part of Queensland's plan for economic recovery from COVID-19.

At one gigawatt and 24 hours storage, the Borumba Dam Pumped Hydro Energy Storage (PHES) project would be Queensland's largest pumped hydro project, with the potential to power up to 1.5 million homes and support 2000 construction jobs.

Tenders are now called for initial engineering and consulting services to deliver design and costings for the project.

Minister for Energy, Renewables and Hydrogen Mick de Brenni said an essential part of the project was environmental feasibility studies as well as community consultation support.

The Queensland Government has committed \$22 million for a detailed design and cost analysis of the project to support future decisions. A request for information (RFI) will be released for environmental studies and community consultation support at the same time as an invitation to tender (ITT) to be released to secure the role of Owners Engineer and technical advisory services.

"Borumba hydro is an important project for Queensland as we move towards our 50% renewable energy target by 2030," Mr de Brenni said.

"Pumped hydro will play a key role in complementing solar and wind generation.

"We hope that Queensland-based businesses get involved in the tender process to deliver the relevant work packages."

Gympie Regional Council Mayor Glen Hartwig said it was vital the community had their say.

"I'd encourage everybody to be part of this consultation process," Cr Hartwig said.

"This project has the potential to create good jobs in the Gympie region and we support the consultation process."

Powerlink Queensland will coordinate the work based on its role in the state's power system and experience in delivering large infrastructure on the electricity transmission network.

Powerlink Chief Executive Paul Simshauser said the tender process would ensure the right expertise is secured on the project.

"Together with the Queensland Government, we will soon commence engagement with a range of stakeholders, including the local community, environmental groups, Traditional Owners and Seqwater," Mr Simshauser said.

"Borumba Dam has the potential to be one of the state's largest infrastructure projects, so we need to get the right technical advice now in delivering the design and cost analysis," Mr Simshauser said.

"The project is an opportunity to further strengthen the supply of electricity across Queensland, while also driving regional economies recovering from COVID impacts."

The studies are expected to take up to 24 months, with a submission expected to Government by mid-to-end-2023.

Go to <https://www.epw.qld.gov.au/about/initiatives/borumba-dam-pumped-hydro> for more information.

## ENDS

**Media contact:** Dan Knowles (6) Personal information

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Date : 1/02/2022 5:34:04 PM

From : "Jo Zadkovich"

To : "Anthony Ross"

Cc : "Chloe Gosling"

Subject : FW: Borumba update

Attachment : image002.png;image004.png;image005.png;image006.png;image007.png;image008.png;image003.png;image010.png;

Hi Anthony,

Agree with Chloe – leads/aligns with the questions you asked Alison in the meeting today about who is Project Managing / Coordinating – really does fit with MPEM so would be good to clarify with Kamila.

Thanks,  
Jo

---

From: Chloe Gosling <Chloe.Gosling@des.qld.gov.au>

Sent: Tuesday, 1 February 2022 2:26 PM

To: Jo Zadkovich

Subject: FW: Borumba update

Hi Jo

As discussed on the phone just now, I think there are some bigger decisions that need to be made by the department about how this project is going to be facilitated. We have been working on the assumption that we would issue temporary authorities with the view that the leg would be amended but there hasn't been any clear direction or advice around that, so probably not appropriate for me to continue down this path with SMEC. Maybe better suited to the Major Projects and Estate Management team?

Thanks



**Chloe Gosling**

Senior Ranger, Estate Management | South East Queensland  
Queensland Parks and Wildlife Service & Partnerships  
Department of Environment and Science

M Personal info

Level 6, 12 First Avenue  
MAROOCHYDORE QLD 4558

---

From: Jon ALEXANDER <Jon.Alexander@smec.com>

Sent: Tuesday, 1 February 2022 1:53 PM

To: Chloe Gosling

Cc: Jo Zadkovich

Subject: RE: Borumba update

Hi Chloe,

As you may be aware the CH clearances for the geotech locations associated with the Borumba project have stalled while a pathway forward regarding Native Title is sorted out with the Traditional owners. There is a current commitment to provide Native Title advice to the Kabi Kabi this month but I am a bit removed from that process (although I think we are both in a meeting about this tomorrow). I am not sure how long this aspect will take to resolve, so in the interests of keeping the ball rolling with regard to the National Park and State Forest access permits, I was wondering if there was value in submitting the resource permit application to you in the next week or so, with a view to you reviewing that information and us getting any non-Cultural heritage and Native Title issues sorted, while we wait for that side of things to be resolved.

If you think this approach would be worthwhile, let me know and I will get the Resource Permit information to you shortly.

Also I have not forgotten the map discussed in the email below, but our project GIS person has been away and the data has not been imported yet. I will send it on ASAP.

Best regards,

**Jon Alexander**

Principal Ecologist

M Personal info +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)  
832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

---

From: Chloe Gosling <Chloe.Gosling@des.qld.gov.au>

Sent: Tuesday, 25 January 2022 9:07 AM

To: Jon ALEXANDER <Jon.Alexander@smec.com>

Cc: Jo Zadkovich <Jo.Zadkovich@des.qld.gov.au>

Subject: RE: Borumba update

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Thanks Jon – a map with those locations would be great. We would need to ensure there is adequate protection of any EVNT's for the proposed works.

SMEC will need to obtain Cultural Heritage clearance and resolve Native Title constraints with Kabi Kabi First Nations People for the permit. It was my understanding that SMEC was already having discussions with Kabi Kabi?

Regards



**Chloe Gosling**  
Senior Ranger, Estate Management | South East Queensland  
Queensland Parks and Wildlife Service & Partnerships  
Department of Environment and Science

M6) Personal info  
Level 6, 12 First Avenue  
MAROOCHYDORE QLD 4558

---

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>  
**Sent:** Monday, 24 January 2022 4:14 PM  
**To:** Chloe Gosling  
**Subject:** Borumba update

Hi Chloe,

Just an update on last weeks field trip to inspect the prospective sites in Conondale NP. The team walked into TR01 and TR02. The proposed location of both sites was altered slightly to reduce possible impacts. More detailed investigations of the immediate surrounding area will follow shortly.

Of interest to you in the short term, we did locate a couple of threatened species. We had two sightings of Koala (both outside the park) and a single specimen of slender milkvine (*Leichhardtia (Mardensia) coronata*) on the ridgeline where the geotech sites would be located but approximately 200m from the nearest site. Obviously no sample was taken but our ecologist who undertook the site inspection is familiar with the slender milkvine and was confident of the identification.

I have attached a shape file of the locations of the sightings FYI.

On another note, with regard to the Cultural Heritage component of the resource permit application. Is the expectation that the sites will have received cultural heritage clearance from the traditional owners or is a site inspection by a qualified specialist consultant acceptable for the purposes of the resource permit.

Best regards,

**Jon Alexander**  
Principal Ecologist  
M6) Personal info T +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)  
832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia  
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[www.smec.com](http://www.smec.com) [LinkedIn](#) [YouTube](#) [Instagram](#) [Subscribe](#)



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Date : 22/11/2021 9:52:09 AM

From : "Jo Zadkovich"

To : "Anthony Ross"

Subject : FW: Inform: Borumba - stakeholder engagement

Attachment :

image001.png;image008.jpg;image010.jpg;image011.png;image012.png;image002.png;image005.png;image007.png;image013.png;  
FYI

---

From: Chloe Gosling <Chloe.Gosling@des.qld.gov.au>

Sent: Monday, 22 November 2021 8:50 AM

To: Jo Zadkovich

Subject: RE: Inform: Borumba - stakeholder engagement

Hi Jo

Dean Bauer has an SGP (expires 2024) over Imbil State Forest 1 adjoining the NP and Borumba Dam – 270 Haywood Road Moorina. While the proposed pipeline itself won't effect the permit, the potential revocation for flood inundation area may. There is a long history with the Bauer's....

HQP have comms facility authorised under the Operations Deed.

There are 229 apiary sites in Conondale National Park, but we don't have a map (that I'm aware of) which ones will be located within the impacted area. Maybe MPEM could interrogate their database and pluck out the ones for that area?

Thanks



**Chloe Gosling**  
Senior Ranger, Estate Management | South East Queensland  
Queensland Parks and Wildlife Service & Partnerships  
Department of Environment and Science

-----  
M Personal in  
Level 6, 12 First Avenue  
MAROOCHYDORE QLD 4558

---

From: Jo Zadkovich <Jo.Zadkovich@des.qld.gov.au>

Sent: Friday, 19 November 2021 12:09 PM

To: Chloe Gosling

Subject: FW: Inform: Borumba - stakeholder engagement

Hey Chloe,

FYI.

Can we please try to check and see what other interests may be impacted? E.g. grazing and other leases/authorities? Let me know if you want me to ask Peter Lusk to chase this up....?

Thanks!

---

From: Anthony Ross <Anthony.Ross@des.qld.gov.au>

Sent: Friday, 19 November 2021 10:59 AM

To: Jo Zadkovich

Subject: Inform: Borumba - stakeholder engagement

Might be worth marking Dec 2 in diary for now – I have as well

Has anyone asked us for stock grazing on SF contacts if relevant? Can we dig up so we can prompt!?

A

73(2)Irrelevant

) Personal in

73(2) Irrelevant

Published on DES  
Disclosure Log  
RTI Act 2009

) Personal in

**From:** Jane Carey <[Jane.Carey@epw.qld.gov.au](mailto:Jane.Carey@epw.qld.gov.au)>  
**Sent:** Tuesday, 16 November 2021 12:40 PM  
**To:** Nick Weinert  
**Subject:** RE: Borumba - stakeholder engagement

Indeed, thanks Nick,

Some additional information in blue below:

- Whatever you can on the Gympie workshop (9-12, 2 December)
  - Workshop will be facilitated by Powerlink and take the following format – final program still to be confirmed:
    - Attendees given overview of Borumba project (scene setter & proposed project specifications) – presented by Chris Evans (Powerlink Project Director)
    - Attendees will be assigned a table at random, to ensure a cross section of interests are represented at each table (to stimulate discussion and exposure community members to wide ranging interests/perspectives)
    - SMEC subject matter consultants contracted to undertake environmental/hydrology/cultural heritage/social impact studies to give the audience an overview of the proposed study (5 mins)
    - Table groups to discuss additional items they would like to see included in the study; these will be recorded at each table on butcher's paper (15mins & 5 min report back). Powerlink/SMEC will provide table scribes who will take notes/facilitate conversation (if needed).
    - Proposed studies to be discussed include: hydrological, environmental, socio-economic, cultural heritage, recreational
    - Government departments invited to attend in an observer capacity, also be in a position to provide information on relevant issues, if required.
- Attendance / invite list for the workshop – attached
- Details and location of drop in sessions for Imbil and Gympie
  - Print advertisement currently with MO for approval – will be placed in Sunshine Coast Daily & Gympie Times as soon as possible, to advise information sessions to the community.
  - Imbil, 1 December, 3-7pm – Mary Valley Memorial Hall (Imbil RSL Hall), 127 Yabba Road Imbil
  - Gympie, 2 December, 3-7pm – Gympie RSL, 217 Mary St Gympie
  - Powerlink & SMEC consultants will be available to speak to community and answer questions, invite residents to submit questions/concerns. Posters/factsheets will be available for community.
- |                 |
|-----------------|
| 73(2)Irrelevant |
|-----------------|

Cheers  
Jane

---

**From:** Nick Weinert <[Nick.Weinert@des.qld.gov.au](mailto:Nick.Weinert@des.qld.gov.au)>  
**Sent:** Tuesday, 16 November 2021 12:21 PM  
**To:** Jane Carey <[Jane.Carey@epw.qld.gov.au](mailto:Jane.Carey@epw.qld.gov.au)>  
**Subject:** RE: Borumba - stakeholder engagement

Hi Jane

Thanks again for following this up and apologies I hadn't replied sooner.

Would it be possible for you to send me the following details so we can confirm best participation etc:

- Whatever you can on the Gympie workshop (9-12, 2 December)
- Attendance / invite list for the workshop
- Details and location of drop in sessions for Imbil and Gympie

- |                 |
|-----------------|
| 73(2)Irrelevant |
|-----------------|

Thanks again,  
Nick



**Nick Weinert**  
Executive Director  
Protected Area Strategy and Investment  
QPWS and Partnerships  
Department of Environment and Science  
M) Personal in  
Level 13, 400 George St, Brisbane QLD 4000  
GPO Box 2454, Brisbane QLD 4001

*I'm sending this message now because it suits me. I don't expect you to read, action or respond out of normal work hours.*



---

**From:** Jane Carey <[Jane.Carey@epw.qld.gov.au](mailto:Jane.Carey@epw.qld.gov.au)>  
**Sent:** Wednesday, 10 November 2021 12:43 PM  
**To:** Nick Weinert  
**Subject:** Borumba - stakeholder engagement

Hi Nick,

Hope this email finds you well.

Getting in touch on the Borumba project – I wanted to let you know that Powerlink will be commencing their community engagement activities in early December.

Powerlink will be holding community 'drop in information' sessions to provide information on the detailed studies, in Imbil on afternoon of 1 December and Gympie on afternoon of 2 December.

As well as community information sessions, an invitation only workshop will be held in Gympie (2 December, 9am-midday). This workshop will be facilitated by Powerlink. The purpose of this workshop is to gather feedback from various stakeholder groups on the project for scoping of the detailed analytical studies. Invitations will be sent to a cross-sector of local environment and industry organisations.

We also have a limited number of places for State government agencies to attend the workshop in an observer capacity. I wondered if you would like to be included in an invitation to attend the workshop, given your involvement in the Yabba links project and previous contact with environment groups in the area?


Please let me know if you'd like to be included on the invitation list and I can ensure an invitation is forwarded to you.

Many thanks in advance,

Kind regards

Jane



**Jane Carey**  
Principal Policy Officer  
**Commercial | Energy**  
Department of Energy and Public Works  
P (07) 3008 3676  Personal in | E [jane.carey@epw.qld.gov.au](mailto:jane.carey@epw.qld.gov.au)  
Level 8, 1 William Street, Brisbane, QLD 4001

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Thank you.

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Date : 23/11/2021 9:54:42 AM

From : "Jo Zadkovich"

To : "Chloe Gosling"

Subject : FW: Inform: Borumba - stakeholder engagement

Attachment : image001.png;image002.png;image003.png;image006.jpg;image007.png;image008.png;image009.png;

FYI

---

From: Anthony Ross <Anthony.Ross@des.qld.gov.au>

Sent: Tuesday, 23 November 2021 8:50 AM

To: Jo Zadkovich

Subject: FW: Inform: Borumba - stakeholder engagement

FYI



**Anthony Ross**

Principal Ranger, Technical Support

South East Queensland Region | Queensland Parks & Wildlife Service and Partnerships

Department of Environment and Science

[Personal](#) or [Chat with me on Teams](#)

Mike Ahern Centre Lvl 6, 12 First Ave, MAROOCHYDORE QLD 4558

61 Bunya Street, MALENY QLD 4552

---

From: EVANS Chris (Powerlink) <[chris.evans@powerlink.com.au](mailto:chris.evans@powerlink.com.au)>

Sent: Tuesday, 23 November 2021 8:43 AM

To: Jane Carey; Anthony Ross

Cc: MAIR Holly (Powerlink)

Subject: RE: Inform: Borumba - stakeholder engagement

Hi Anthony

We are yet to undertake any direct engagement with adjacent land holders or lease holders. One of our challenges is not having confirmed height of the lower dam, and therefore extent of inundation. Once this is defined, direct engagement would occur (early 2022). Contact details for any leaseholders on Qld Gov land would be very helpful to assist with this.

Thanks

Chris

---

From: Jane Carey <[Jane.Carey@epw.qld.gov.au](mailto:Jane.Carey@epw.qld.gov.au)>

Sent: Monday, 22 November 2021 10:44 AM

To: Anthony Ross <[Anthony.Ross@des.qld.gov.au](mailto:Anthony.Ross@des.qld.gov.au)>

Cc: EVANS Chris (Powerlink) <[chris.evans@powerlink.com.au](mailto:chris.evans@powerlink.com.au)>

Subject: RE: Inform: Borumba - stakeholder engagement

Hi Anthony,

Thanks for reaching out and for the information below. I've copied Chris Evans, Powerlink's Project Director who may be able to give you an understanding of what contact there's been with potentially affected land-holders around the area.

Hope this assists,

Kind regards

Jane



**Jane Carey**

Principal Policy Officer

Commercial | Energy

Department of Energy and Public Works

[P \(07\) 3008 3676](tel:(07)30083676) / [Personal in E jane.carey@epw.qld.gov.au](mailto:jane.carey@epw.qld.gov.au)

Level 8, 1 William Street, Brisbane, QLD 4001

---

From: Anthony Ross <[Anthony.Ross@des.qld.gov.au](mailto:Anthony.Ross@des.qld.gov.au)>

Sent: Monday, 22 November 2021 10:39 AM

To: Jane Carey <[Jane.Carey@epw.qld.gov.au](mailto:Jane.Carey@epw.qld.gov.au)>

Subject: FW: Inform: Borumba - stakeholder engagement

Hi Jane

I was just patched into this email via Nick (as likely rep from QPWS at stakeholder meeting) and thought worth a quick question.

QPWS has issued a Stock Grazing Permit to a grazier (expires 2024) over Imbil State Forest 1 adjoining the NP and Borumba Dam.

This area may be impacted by inundation.

Would such an SGP holder just be expected to find out themselves about the general community drop in invite—or should we/Powerlink send them a notice of that?

We did flag with SMEC but not sure if Powerlink have considered.

Cheers

**Anthony Ross**  
Principal Ranger, Technical Support  
South East Queensland Region | Queensland Parks & Wildlife Service and Partnerships  
Department of Environment and Science  
-----  
M Personal ij or Chat with me on Teams  
Mike Ahern Centre Lvl 6, 12 First Ave, MAROOCHYDORE QLD 4558  
61 Bunya Street, MALENY QLD 4552

---

**From:** Jane Carey <[Jane.Carey@epw.qld.gov.au](mailto:Jane.Carey@epw.qld.gov.au)>

**Sent:** Tuesday, 16 November 2021 12:40 PM

**To:** Nick Weinert

**Subject:** RE: Borumba - stakeholder engagement

Indeed, thanks Nick,

Some additional information in blue below:

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- |                 |
|-----------------|
| 73(2)Irrelevant |
|-----------------|

Cheers

Jane

---

**From:** Nick Weinert <[Nick.Weinert@des.qld.gov.au](mailto:Nick.Weinert@des.qld.gov.au)>

**Sent:** Tuesday, 16 November 2021 12:21 PM

**To:** Jane Carey <[Jane.Carey@epw.qld.gov.au](mailto:Jane.Carey@epw.qld.gov.au)>

**Subject:** RE: Borumba - stakeholder engagement

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- |                 |
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| 73(2)Irrelevant |
|-----------------|

Thanks again,

Nick



**Nick Weinert**  
Executive Director  
Protected Area Strategy and Investment  
QPWS and Partnerships  
**Department of Environment and Science**  
M Personal in  
Level 13, 400 George St, Brisbane QLD 4000  
GPO Box 2454, Brisbane QLD 4001

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**From:** Jane Carey <[Jane.Carey@epw.qld.gov.au](mailto:Jane.Carey@epw.qld.gov.au)>  
**Sent:** Wednesday, 10 November 2021 12:43 PM  
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Many thanks in advance,

Kind regards

Jane



**Jane Carey**  
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P (07) 3008 3676 M Personal in | E [jane.carey@epw.qld.gov.au](mailto:jane.carey@epw.qld.gov.au)  
Level 8, 1 William Street, Brisbane, QLD 4001

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Thank you.

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Date : 19/11/2021 12:09:28 PM

From : "Jo Zadkovich"

To : "Chloe Gosling"

Subject : FW: Inform: Borumba - stakeholder engagement

Attachment : Invited Stakeholders - 2 December 2021

workshop.xlsx;image001.png;image010.jpg;image012.jpg;image013.png;image014.png;image002.png;image005.png;image007.png;  
Hey Chloe,

FYI.

Can we please try to check and see what other interests may be impacted? E.g. grazing and other leases/authorities? Let me know if you want me to ask Peter Lusk to chase this up....?

Thanks!

---

**From:** Anthony Ross <Anthony.Ross@des.qld.gov.au>

**Sent:** Friday, 19 November 2021 10:59 AM

**To:** Jo Zadkovich

**Subject:** Inform: Borumba - stakeholder engagement

Might be worth marking Dec 2 in diary for now – I have as well

Has anyone asked us for stock grazing on SF contacts if relevant? Can we dig up so we can prompt!?

A

Published on DES  
Disclosure Log  
RTI Act 2009

73(2)Irrelevant

---

**From:** Nick Weinert <[Nick.Weinert@des.qld.gov.au](mailto:Nick.Weinert@des.qld.gov.au)>

**Sent:** Tuesday, 16 November 2021 12:57 PM

**To:** Damien Head

**Cc:** Greg Smyth; Jennifer Collin

73(2)Irrelevant

---

**From:** Jane Carey <[Jane.Carey@epw.qld.gov.au](mailto:Jane.Carey@epw.qld.gov.au)>  
**Sent:** Tuesday, 16 November 2021 12:40 PM  
**To:** Nick Weinert  
**Subject:** RE: Borumba - stakeholder engagement

Indeed, thanks Nick,

Some additional information in blue below:

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  - Powerlink & SMEC consultants will be available to speak to community and answer questions, invite residents to submit questions/concerns. Posters/factsheets will be available for community.

73(2)Irrelevant

Cheers  
Jane

---

**From:** Nick Weinert <[Nick.Weinert@des.qld.gov.au](mailto:Nick.Weinert@des.qld.gov.au)>  
**Sent:** Tuesday, 16 November 2021 12:21 PM  
**To:** Jane Carey <[Jane.Carey@epw.qld.gov.au](mailto:Jane.Carey@epw.qld.gov.au)>  
**Subject:** RE: Borumba - stakeholder engagement

Date : 22/10/2021 10:16:37 AM

From : "ZADKOVICH Jo"

To : "WILLIAMS Ashley (DES)" , "SMYTH Greg" , "HAYCOCK Alison"

Cc : "ROSS Anthony"

Subject : FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Attachment :

image006.png;image009.png;image010.png;image011.png;image012.png;image013.png;image001.png;image002.png;image003.png;

Hi all,

We have recently been approached by SMEC – see below – about setting up a meeting to discuss the Borumba PHES project.

I am unsure how familiar you are with this – if you have any additional background it would be great if you could share it with me!

We were thinking it might be beneficial for you or a team representative to attend this initial meeting? Can you let me know if you would like to attend and your availability? The 28<sup>th</sup> isn't suitable for Anthony or myself – we were hoping to run with the 1<sup>st</sup> of November option.

Thanks and talk soon.

Jo



**Jo Zadkovich**

Acting Assistant Principal Ranger – Planning & Resilience

Technical Support | SEQR | QPWS & Partnerships

Department of Environment and Science

[M Personal inf](mailto:Jo.Zadkovich@des.qld.gov.au)

Level 6, 12 First Avenue, Maroochydore QLD 4558

[Chat with me on Teams](#)

---

**From:** Jon ALEXANDER <Jon.Alexander@smec.com>

**Sent:** Thursday, 21 October 2021 5:22 PM

**To:** ROSS Anthony

**Cc:** ZADKOVICH Jo; Leon BEYLEVELD; Rebecca POWLETT

**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Ross,

I am anticipating that we can cover most of the key things in this initial meeting in about an hour.

In which case, how would the following work for your team:

Thursday Oct 28<sup>th</sup> – between 12 to 2pm

Monday Nov 1<sup>st</sup> – Anytime between 11am – 2pm

Thursday Nov 4<sup>th</sup> – between 12 and 2pm

We would probably do this via Teams given the geographic scatter of the likely participants.

What we are hoping to cover in the meeting is:

- Introduction to the propose project
- Context of the current stage of works
- Details of works which would require access to the National Park
- Approval requirements for those works to proceed
- Stakeholder relationships (QPWS is seen as key stakeholder in the wider project)

If you have any items you would like to see included in the meeting agenda please feel free to let me know.

Best regards,

**Jon Alexander**

Principal Ecologist

[M 6 Personal inf](mailto:Jon.Alexander@smec.com) T +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

---

**From:** ROSS Anthony <[Anthony.Ross@des.qld.gov.au](mailto:Anthony.Ross@des.qld.gov.au)>

**Sent:** Thursday, 21 October 2021 8:55 AM

**To:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Cc:** ZADKOVICH Jo <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>

**Subject:** FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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Hi Jon

Could you suggest a couple of suitable dates/times either late next week or the week after?

If you are on Teams this may be the most efficient approach as we have staff in both Brisbane and Maroochydore that will need to be involved. Otherwise Maroochydore will be the best meeting place.

Kind Regards

**Anthony Ross**  
Principal Ranger, Technical Support  
South East Queensland Region | Queensland Parks & Wildlife Service and Partnerships  
Department of Environment and Science  
.....  
[M Personal in](#) or [Chat with me on Teams](#)  
Mike Ahern Centre Lvl 6, 12 First Ave, MAROOCHYDORE QLD 4558  
61 Bunya Street, MALENY QLD 4552

---

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>  
**Sent:** Tuesday, 19 October 2021 1:10 PM  
**To:** HOFFMAN Andrew  
**Cc:** Leon BEYLEVELD  
**Subject:** Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Andrew,

Thanks for your time last week.

As discussed we are looking to arrange a meeting to allow us to introduce the relevant people within your department to the Borumba PHES project and to discuss approval requirements for undertaking geotechnical investigative works within Conondale National Park. I will not attempt to outline all the project elements in this email but by way of very brief summary. Borumba Pumped Hydroelectric Energy Storage (PHES) project is a 1,000 MW pumped hydropower scheme with 24 hours of generation storage available. It is an integrated energy and water security brownfield development encompassing the existing Borumba Dam as a lower reservoir.

The site was identified as a preferred site for pumped hydro with numerous studies undertaken, including a concept study completed in May 2020. To support the development of a pumped hydro facility at Borumba, front end engineering design (FEED) and detailed project analysis is required to progress the project.

Part of this detailed project analysis would involve geotechnical investigative works, some of which would need to occur in Conondale NP. It should be noted these are short term investigative works and no permanent infrastructure is required or proposed.

Items we would include on a potential agenda include (but are not limited to):

- Introduction to the propose project
- Context of the current stage of works
- Details of works which would require access to the National Park
- Approval requirements for those works to proceed
- Stakeholder relationships (QPWS is seen as key stakeholder in the wider project)

If you have any items you would like to see included in the meeting agenda please feel free to let me know.

You mentioned that QPWS staff from the region and QPWS Land tenure staff would be appropriate to attend. We are hoping to have this meeting within the next two weeks, so if you are able to coordinate with the relevant people and propose some times which suit, we will try and lock it in.

Thanks for your assistance with this. If you have any queries please don't hesitate to get in touch.

Best regards,

**Jon Alexander**  
Principal Ecologist  
[M Personal in](mailto:Jon.Alexander@smec.com) T +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)  
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RTI Act 2009

Date : 8/06/2021 2:21:25 PM

From : "ROSS Anthony"

To : "ZADKOVICH Jo"

Subject : FYI: Borumba/Yabba Links

Attachment : Borumba Dam Pumped Hydro fact sheet.pdf;image007.png;image010.jpg;image003.png;image005.png;

FYI project is progressing and will impact park and forest tenure to a degree. DES was trying to do a deal to get commitments to deliver Yabba Links as a quid pro quo – but not bearing fruit yet.

Strategic Acquisitions and Geoff have been involved. Kabi Kabi is in process of been engaged by Dept Energy

[Borumba hydro to deliver reliable supply and 2000 jobs - Ministerial Media Statements](#)

A



**Anthony Ross**

A/Principal Ranger – Technical Support

South East Queensland Region | Queensland Parks & Wildlife Service and Partnerships

Department of Environment and Science

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Mike Ahern Centre Lvl 6, 12 First Ave, MAROOCHYDORE QLD 4558  
61 Bunya Street, MALENY QLD 4552

From: SMYTH Greg <Greg.Smyth@des.qld.gov.au>

Sent: Tuesday, 8 June 2021 11:14 AM

To: KLAASSEN Ben; COLLIN Jennifer; SIGGERY Angela; BRITTINGHAM Geoff; HEAD Damien

Cc: BYRD Ben; ROSS Anthony; CLIFTON Daniel

Subject: FW: Borumba/Yabba Links

**Hey Ben and Bosses**

Just a heads up - Borumba Dam is going out shortly (Midday) and DoE are proposing to send advice to QCC, NPAQ and SCEC plus to the Claimants for Kabi Kabi.

Disappointingly, (and as flagged by Jen yesterday) we have not been included in the funding or Land for Yabba.....

While Yabba Links is not mentioned in the release it points to the DES ( National Parks) and Conservation Groups and Traditional Owners as key stakeholders.

DoE have suggested we meet tomorrow to discuss how it has landed with stakeholders.

I imagine Laura (NPAQ) and Narelle (SCEC) may be on the phone to you / us to understand what this means for Yabba Links.

Will keep you all posted if we hear anything.

Regards

Greg



**Greg Smyth**

Program Coordinator – Strategic Acquisitions

Protected Area Investment | Protected Area Strategy & Investment

Department of Environment and Science

P 07 3330 5056 | M [Personal info](#)

Level 4 400 George St Brisbane QLD 4000 | GPO Box 2454 Brisbane QLD 4001





# Borumba Dam Pumped Hydro

The Queensland Government has committed to developing a detailed cost and design analysis for a potential pumped hydro energy storage (PHES) located at Borumba Dam.

Incorporated within the analysis will be a range of studies including geotechnical investigation, engineering design and environmental assessments.

The outcomes of the analysis will be delivered to government to enable the necessary decisions to be made regarding construction of the project.

## Site location

Borumba Dam is located approximately 70 km south-west of Noosa in the Sunshine Coast hinterland. Due to its proximity to the high voltage electricity transmission network, the Queensland Government previously identified the site as a possible location for the development of a PHES facility. Powerlink has held the site since the 1980s.

## Technical parameters

A PHES at Borumba Dam would be capable of generating up to 1 GW (1,000 MW) at maximum output — equivalent to over 15% of Queensland’s average electricity demand.

The PHES would store enough water to be able to deliver this output for 24 hours continuously, making Borumba Dam one of the largest PHES facilities in the world in terms of storage capacity.

Creation of a PHES at Borumba requires a new dam to be constructed above the existing Borumba Dam, and expansion of the existing lower reservoir. Tunnels would link the two dams, to enable water to be pumped from the lower reservoir to the upper reservoir, and for water released from the upper reservoir to drive turbines to generate electricity.

Metric	
Maximum generation	1 GW
Storage duration	24 hours
Energy storage	24 GWh
Height between dams	325 m
Tunnel length	2.6 km
Upper dam volume	31.5 GL

## Why are further studies needed?

While Borumba Dam has been identified as a potential site for a new large-scale PHES, further studies are required in order to fully address the feasibility of a project on the site.

Large PHES projects are major investments with expected lives of over 50 years. PHES projects also have the potential to impact the local environment due to the need to build new dams, drill tunnels to connect dams and new transmission lines to connect the PHES to the electricity network.

Over the next two years, a number of detailed studies will be conducted into Borumba Dam to enable the government to decide whether or not to proceed with a PHES at the site.

Studies will include:

**Environmental** — a decision to proceed with a PHES at Borumba Dam will only be taken once the project has been assessed consistent with the government's environmental principles for PHES. Environmental and social impact studies will assess the proposed PHES and address potential options to minimise and offset the impact of the project.

**Geotechnical** — geotechnical studies provide certainty on the engineering requirements for tunnels between dams by providing detailed information on the geology at the site along the length of alternative tunnel routes.

**Hydrological** — hydrological studies will address issues associated with water. This will provide detailed assessment of sources of water for initial filling of the PHES, impact on other water users, and the impact of climate change on the PHES.

**Engineering design** — engineering design studies will include dam construction, tunnel design, pump and turbine selection and connection to the electricity network.

**Financial** — once all the various studies have been compiled, more accurate estimates of the expected total cost of the project will be developed. Financial assessment will enable the Queensland Government to maximise the economic benefits to the state if it decides to proceed with a project at Borumba Dam.

## Implementation partner

The government has selected Powerlink to manage the next phase of work to complete the additional studies.

Powerlink is well placed as implementation partner due to their understanding of the electricity system and market, and their experience with developing large infrastructure projects.

## Public consultation

Consistent with its environmental principles, the government is committed to transparent and regular engagement with stakeholders when assessing potential PHES projects.

Powerlink will engage formally with stakeholders in the process of undertaking detailed cost and design analysis at Borumba Dam.

More broadly, the government welcomes community and stakeholder feedback at any stage of the project. Email contact: [QRET@dnrme.qld.gov.au](mailto:QRET@dnrme.qld.gov.au) in the first instance.



Date : 25/02/2022 10:13:57 AM  
From : "Anthony Ross"  
To : "Alison Haycock"  
Cc : "Jo Zadkovich"  
Subject : FW: Boromba PHES project  
Attachment : 30032677-SKT-001.pdf;30032677-SKT-002.pdf;Photo 5.JPG;Photo 2.JPG;image001.png;image002.png;image003.png;image004.png;image005.png;

Hi Alison

FYI - see below and attached.

I have tried calling Jon because what is provided is fairly ambiguous—the images show much of the set up on scaffolding – but the diagrams show most on ground/cuttings with a helipad clearing in addition! The diagrams are now showing something like a 60m x 40m impact area (as opposed to the earlier 15 x 15m, then 30 x 30m ).

There is quite a bit of gear associated with the activity – but no doubt you already knew that!

I will see what further info I can get from Jon and will ask him to set out further details in writing....

Thanks

A

---

**From:** Jon ALEXANDER <Jon.Alexander@smec.com>  
**Sent:** Friday, 25 February 2022 9:47 AM  
**To:** Anthony Ross  
**Cc:** Leon BEYLEVELD; GWYNNE Chris (Powerlink); EVANS Chris (Powerlink); Anna WEST; Jo Zadkovich; Chloe Gosling  
**Subject:** Boromba PHES project

Hi Anthony,

I have attached, for information purposes, some indicative plans of what the layout of a “heli-rig” geotechnical site might look like. I have also attached a couple of photos of one of these sites in use in an isolated area. There are many options for adapting these setups to suit specific site conditions and minimise potential impacts, for example in the photos you will note that much of drill rig setup is on scaffolding rather than on an excavated pad, with a subsequent reduction in vegetation and ground disturbance.

I am aware that discussion regarding the approvals pathway for these works are ongoing and have a level of complexity to them. However, I thought it would be helpful to have a clearer picture of what may be possible in relation to these proposed works.

If you have any queries regarding this information or require anything additional to further inform future discussions don't hesitate to contact myself or Leon Beyleveld directly.

Best regards,

**Jon Alexander**  
Principal Ecologist  
M (6) Personal info T +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)  
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Date : 10/02/2022 8:09:27 AM

From : "Jo Zadkovich"

To : "Anthony Ross"

Cc : "Justin Enslin"

Subject : RE: Borumba tasks and responsibilities

Attachment : image001.png;image004.png;image003.png;image006.png;

Thanks Anthony. The bit highlighted was what I was concerned about – we get them to lodge for a resource permit then change the game on them once Alison and Todd thrash it all out.

I think having you as the single point of contact for the region is great – thank-you. And yep I am happy for you to advise Jon to lodge the resource permit application and we will check it all out and let you know if we need more info.

Thanks and talk soon.

Jo



**Jo Zadkovich**

Assistant Principal Ranger – Planning, Assessments & Biodiversity

Technical Support | SEQR | QPWS & Partnerships

Department of Environment and Science

[M Personal in](#)

Level 6, 12 First Avenue, Maroochydore QLD 4558



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---

**From:** Anthony Ross <Anthony.Ross@des.qld.gov.au>

**Sent:** Wednesday, 9 February 2022 4:57 PM

**To:** Jo Zadkovich

**Cc:** Justin Enslin

**Subject:** Borumba tasks and responsibilities

Hi Jo

Spoke to Alison late this arvo re Borumba and we agreed:

- MP&E will lead development of authority pathway options for both exploratory/drilling works and the bigger project implementation – including briefing up on options and solutions
- Alison will make contact with the proponent and Crown Law to prompt a meeting to discuss legal matters such as ‘management principles’ under NCA, ‘public works’ under NT, ‘service facilities’ under NCA
- In the interim we will accept a Resources Permit application form from proponent (so in theory they have a ‘properly made’ application) – but we will **caveat saying that the authorisation pathway may change**
- Proponent has provide package 1 info and we are awaiting package 2 (schematics for pad etc) by end of week
- Alison indicated that MP&E may have been working on a draft ‘assessment form’ for Resource Permits (like we have for PTUKI) – Alison to advise but in the interim we would do a ‘freeform’ assessment against usual headings and later tailor to need
- Alison advised a new EMP template/guide is being developed...but don’t think ready. We will simply need to see what proponent gives us this week and request extra as needed.
- We have communicated Gurra Gurra implications to proponent over and above NT issues

Let me know if further clarification needed

I can advise Jon Alexandra to put the RP application in? Do you want me to become proponent contact point for project given way things are going...no probs with your team’s ability but thinking best to streamline contacts at this point?

ta

A



**Anthony Ross**

Principal Ranger, Technical Support

South East Queensland Region | Queensland Parks & Wildlife Service and Partnerships

Department of Environment and Science

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Mike Ahern Centre Lvl 6, 12 First Ave, MAROOCHYDORE QLD 4558

Date : 2/02/2022 7:57:34 AM

From : "Jo Zadkovich"

To : "Jon ALEXANDER" , "Chloe Gosling"

Cc : "Anthony Ross"

Subject : RE: Borumba update

Attachment :

image001.png;image009.png;image011.png;image012.png;image013.png;image014.png;image015.png;image003.png;image004.png;

Hi Jon,

I recommend holding off submitting anything to the department just yet – I believe there is a meeting happening today between the State departments to discuss permit and other legislative requirements.

Once we have a clearer idea of the full scope of works / requirements we can then appropriately advise on the authorisation process. Our policy and legislation team are discussing options with the project team and our Executive to determine what is permissible under the current legislation.

In any case, as you have touched on, we would require Native Title and Cultural Heritage issues to be resolved before we could appropriately assess and issue any authorisations – details of how this has been addressed/resolved should be included in any permit applications.

Regards,

Jo



**Jo Zadkovich**

Assistant Principal Ranger – Planning, Assessments & Biodiversity

Technical Support | SEQR | QPWS & Partnerships

Department of Environment and Science

M Personal info

Level 6, 12 First Avenue, Maroochydore QLD 4558

[Chat with me on Teams](#)

---

**From:** Jon ALEXANDER <Jon.Alexander@smec.com>

**Sent:** Tuesday, 1 February 2022 1:53 PM

**To:** Chloe Gosling

**Cc:** Jo Zadkovich

**Subject:** RE: Borumba update

Hi Chloe,

As you may be aware the CH clearances for the geotech locations associated with the Borumba project have stalled while a pathway forward regarding Native Title is sorted out with the Traditional owners. There is a current commitment to provide Native Title advice to the Kabi Kabi this month but I am a bit removed from that process (although I think we are both in a meeting about this tomorrow). I am not sure how long this aspect will take to resolve, so in the interests of keeping the ball rolling with regard to the National Park and State Forest access permits, I was wondering if there was value in submitting the resource permit application to you in the next week or so, with a view to you reviewing that information and us getting any non-Cultural heritage and Native Title issues sorted, while we wait for that side of things to be resolved.

If you think this approach would be worthwhile, let me know and I will get the Resource Permit information to you shortly.

Also I have not forgotten the map discussed in the email below, but our project GIS person has been away and the data has not been imported yet. I will send it on ASAP.

Best regards,

**Jon Alexander**

Principal Ecologist

M Personal info +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

---

**From:** Chloe Gosling <[Chloe.Gosling@des.qld.gov.au](mailto:Chloe.Gosling@des.qld.gov.au)>

**Sent:** Tuesday, 25 January 2022 9:07 AM

**To:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Cc:** Jo Zadkovich <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>

**Subject:** RE: Borumba update

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Thanks Jon – a map with those locations would be great. We would need to ensure there is adequate protection of any EVNT's for the proposed works.

SMEC will need to obtain Cultural Heritage clearance and resolve Native Title constraints with Kabi Kabi First Nations People for the permit. It

was my understanding that SMEC was already having discussions with Kabi Kabi?

Regards



**Chloe Gosling**  
Senior Ranger, Estate Management | South East Queensland  
Queensland Parks and Wildlife Service & Partnerships  
Department of Environment and Science

M Personal in  
Level 6, 12 First Avenue  
MAROOCHYDRE QLD 4558

---

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>  
**Sent:** Monday, 24 January 2022 4:14 PM  
**To:** Chloe Gosling  
**Subject:** Borumba update

Hi Chloe,

Just an update on last weeks field trip to inspect the prospective sites in Conondale NP. The team walked into TR01 and TR02. The proposed location of both sites was altered slightly to reduce possible impacts. More detailed investigations of the immediate surrounding area will follow shortly.

Of interest to you in the short term, we did locate a couple of threatened species. We had two sightings of Koala (both outside the park) and a single specimen of slender milkvine (*Leichhardtia (Mardensia) coronata*) on the ridgeline where the geotech sites would be located but approximately 200m from the nearest site. Obviously no sample was taken but our ecologist who undertook the site inspection is familiar with the slender milkvine and was confident of the identification.

I have attached a shape file of the locations of the sightings FYI.

On another note, with regard to the Cultural Heritage component of the resource permit application. Is the expectation that the sites will have received cultural heritage clearance from the traditional owners or is a site inspection by a qualified specialist consultant acceptable for the purposes of the resource permit.

Best regards,

**Jon Alexander**  
Principal Ecologist  
M Personal info +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)  
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Date : 25/10/2021 8:40:41 AM

From : "Jo Zadkovich"

To : "Jon ALEXANDER" , "ROSS Anthony"

Cc : "Leon BEYLEVELD" , "Rebecca POWLETT"

Subject : RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Attachment :

image001.png;image003.png;image004.png;image005.png;image006.png;image007.png;image009.png;image008.png;image011.png;

Hi Jon,

Thank-you for the response below.

Monday 1<sup>st</sup> November works best for the majority of DES staff who should attend this TEAMS meeting with Anthony and myself. 11.30am – 12.30pm seems to be the best time slot.

I will forward on the meeting invite to the other DES staff members when it comes through.

Thanks and talk soon.

Jo



**Jo Zadkovich**

Acting Assistant Principal Ranger – Planning & Resilience

Technical Support | SEQ Region | QPWS & Partnerships

Department of Environment and Science

M) [Personal in](#)

Level 6, 12 First Avenue, Maroochydore QLD 4558



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**From:** Jon ALEXANDER <Jon.Alexander@smec.com>

**Sent:** Thursday, 21 October 2021 5:22 PM

**To:** ROSS Anthony

**Cc:** ZADKOVICH Jo; Leon BEYLEVELD; Rebecca POWLETT

**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Ross,

I am anticipating that we can cover most of the key things in this initial meeting in about an hour.

In which case, how would the following work for your team:

Thursday Oct 28<sup>th</sup> – between 12 to 2pm

Monday Nov 1<sup>st</sup> – Anytime between 11am – 2pm

Thursday Nov 4<sup>th</sup> – between 12 and 2pm

We would probably do this via Teams given the geographic scatter of the likely participants.

What we are hoping to cover in the meeting is:

- Introduction to the propose project
- Context of the current stage of works
- Details of works which would require access to the National Park
- Approval requirements for those works to proceed
- Stakeholder relationships (QPWS is seen as key stakeholder in the wider project)

If you have any items you would like to see included in the meeting agenda please feel free to let me know.

Best regards,

**Jon Alexander**

Principal Ecologist

M) [Personal info](#) T +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

---

**From:** ROSS Anthony <[Anthony.Ross@des.qld.gov.au](mailto:Anthony.Ross@des.qld.gov.au)>

**Sent:** Thursday, 21 October 2021 8:55 AM

**To:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Cc:** ZADKOVICH Jo <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>

**Subject:** FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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Hi Jon

Could you suggest a couple of suitable dates/times either late next week or the week after?

If you are on Teams this may be the most efficient approach as we have staff in both Brisbane and Maroochydore that will need to be involved. Otherwise Maroochydore will be the best meeting place.

Kind Regards



**Anthony Ross**  
Principal Ranger, Technical Support  
South East Queensland Region | Queensland Parks & Wildlife Service and Partnerships  
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61 Bunya Street, MALENY QLD 4552

---

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>  
**Sent:** Tuesday, 19 October 2021 1:10 PM  
**To:** HOFFMAN Andrew  
**Cc:** Leon BEYLEVELD  
**Subject:** Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Andrew,

Thanks for your time last week.

As discussed we are looking to arrange a meeting to allow us to introduce the relevant people within your department to the Borumba PHES project and to discuss approval requirements for undertaking geotechnical investigative works within Conondale National Park. I will not attempt to outline all the project elements in this email but by way of very brief summary. Borumba Pumped Hydroelectric Energy Storage (PHES) project is a 1,000 MW pumped hydropower scheme with 24 hours of generation storage available. It is an integrated energy and water security brownfield development encompassing the existing Borumba Dam as a lower reservoir.

The site was identified as a preferred site for pumped hydro with numerous studies undertaken, including a concept study completed in May 2020. To support the development of a pumped hydro facility at Borumba, front end engineering design (FEED) and detailed project analysis is required to progress the project.

Part of this detailed project analysis would involve geotechnical investigative works, some of which would need to occur in Conondale NP. It should be noted these are short term investigative works and no permanent infrastructure is required or proposed.

Items we would include on a potential agenda include (but are not limited to):

- Introduction to the propose project
- Context of the current stage of works
- Details of works which would require access to the National Park
- Approval requirements for those works to proceed
- Stakeholder relationships (QPWS is seen as key stakeholder in the wider project)

If you have any items you would like to see included in the meeting agenda please feel free to let me know.

You mentioned that QPWS staff from the region and QPWS Land tenure staff would be appropriate to attend. We are hoping to have this meeting within the next two weeks, so if you are able to coordinate with the relevant people and propose some times which suit, we will try and lock it in.

Thanks for your assistance with this. If you have any queries please don't hesitate to get in touch.

Best regards,

**Jon Alexander**  
Principal Ecologist  
[M Personal In](mailto:Jon.Alexander@smec.com) +61 7 5578 0250 [E Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)  
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Date : 25/10/2021 1:54:24 PM

From : "Jo Zadkovich"

To : "Corro QPWS Southern SEQR"

Subject : RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Attachment : image006.png;image009.png;image010.png;image011.png;image012.png;image013.png;image001.png;

Hi Sue,

Yes Sue, it is in progress we are meeting with SMEC (with some other key departmental reps) next week on 1 November.

---

**From:** Corro QPWS Southern SEQR <QPWSsouthernSEQR.Corro@des.qld.gov.au>

**Sent:** Friday, 22 October 2021 4:16 PM

**To:** ZADKOVICH Jo

**Subject:** FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hey Jo

Do you know if this is in progress?



**Sue West**

Administration Officer  
South East Queensland Region|QPWS & Partnerships  
Department of Environment and Science

-----  
P -07 5459 6169 Level 6, 12 First Avenue  
MAROOCHYDORE QLD 4558  
[susan.west@des.qld.gov.au](mailto:susan.west@des.qld.gov.au)

---

**From:** HOFFMAN Andrew <[Andrew.Hoffman@des.qld.gov.au](mailto:Andrew.Hoffman@des.qld.gov.au)>

**Sent:** Tuesday, 19 October 2021 4:01 PM

**To:** ROSS Anthony

**Cc:** Corro QPWS Southern SEQR

**Subject:** FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Anthony

The following refers as previously discussed.

Could your team pls take the lead in arranging the requested meeting, including ID / liaison with suitable QPWS attendees including a rep/s from Tenure team.

thanks

**Andrew Hoffman**

A/ Regional Director

South East Queensland Region | QPWS & Partnerships

Department of Environment and Science

M | **Personal**

60 Mt Nebo Rd., The Gap, Qld., 4061

[www.des.qld.gov.au](http://www.des.qld.gov.au)

---

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Sent:** Tuesday, 19 October 2021 1:10 PM

**To:** HOFFMAN Andrew

**Cc:** Leon BEYLEVELD

**Subject:** Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Andrew,

Thanks for your time last week.

As discussed we are looking to arrange a meeting to allow us to introduce the relevant people within your department to the Borumba PHES project and to discuss approval requirements for undertaking geotechnical investigative works within Conondale National Park.

I will not attempt to outline all the project elements in this email but by way of very brief summary. Borumba Pumped Hydroelectric Energy Storage (PHES) project is a 1,000 MW pumped hydropower scheme with 24 hours of generation storage available. It is an integrated energy and water security brownfield development encompassing the existing Borumba Dam as a lower reservoir.

The site was identified as a preferred site for pumped hydro with numerous studies undertaken, including a concept study completed in May 2020. To support the development of a pumped hydro facility at Borumba, front end engineering design (FEED) and detailed project analysis is required to progress the project.

Part of this detailed project analysis would involve geotechnical investigative works, some of which would need to occur in Conondale NP. It

should be noted these are short term investigative works and no permanent infrastructure is required or proposed.

Items we would include on a potential agenda include (but are not limited to):

- Introduction to the propose project
- Context of the current stage of works
- Details of works which would require access to the National Park
- Approval requirements for those works to proceed
- Stakeholder relationships (QPWS is seen as key stakeholder in the wider project)

If you have any items you would like to see included in the meeting agenda please feel free to let me know.

You mentioned that QPWS staff from the region and QPWS Land tenure staff would be appropriate to attend. We are hoping to have this meeting within the next two weeks, so if you are able to coordinate with the relevant people and propose some times which suit, we will try and lock it in.

Thanks for your assistance with this. If you have any queries please don't hesitate to get in touch.

Best regards,

**Jon Alexander**

Principal Ecologist

M [\(6\) Personal info](#) T +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

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Date : 3/11/2021 9:02:49 AM

From : "Jo Zadkovich"

To : "'Jon ALEXANDER'"

Cc : "Leon BEYLEVELD" , "Rebecca POWLETT" , "Anthony Ross" , "Alison Haycock" , "David Woolsey" , "Chloe Gosling"

Subject : RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Attachment :

image001.png;image003.png;image004.png;image005.png;image006.png;image007.png;image002.png;image009.png;image010.png;

Hi Jon,

Thanks for your time on Monday giving an overview of the project.

It sounds like you are aiming to have the necessary approvals to undertake geotechnical investigations by March 2022. Below are some dot points to summarise the discussion around QPWS&P requirements.

Initial feasibility:

- The project needs to consider Native Title and Cultural Heritage implications
- SMEC to investigate current permits and advise if a permit is required to access and undertake initial ecological assessments on the State Forest and National Park (PTUKI - <https://www.qld.gov.au/environment/parks/permits/science-education>)
- QPWS to investigate if there is any existing road access points to proposed drill sites and advise SMEC
- QPWS to progress a geotechnical works authority – to do this we require the following from SMEC:
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  - Drill sites GIS and confirm how flexible you are on site locations/movement
  - Information on the drilling works expected to be undertaken on NP and SF tenure e.g. estimated scale of drill site footprint, including clearing, drilling activities and machinery, spoil management and stockpiles – noting road access to some of the drill sites is highly unlikely
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- Infrastructure authorities – noting that the power station is proposed to be on park but underground and that there will be no above ground infrastructure on park – Alison Haycock will be investigating this and will share more information with you

Thanks again, please contact me if you have any questions on the above.

Kind regards,


Jo

**Jo Zadkovich**


Assistant Principal Ranger – Planning & Resilience

Technical Support | SEQR | QPWS & Partnerships

Department of Environment and Science

 Personal in

Level 6, 12 First Avenue, Maroochydore QLD 4558

 [Chat with me on Teams](#)

---

**From:** Jon ALEXANDER <Jon.Alexander@smec.com>

**Sent:** Thursday, 21 October 2021 5:22 PM

**To:** ROSS Anthony

**Cc:** ZADKOVICH Jo; Leon BEYLEVELD; Rebecca POWLETT

**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Ross,

I am anticipating that we can cover most of the key things in this initial meeting in about an hour.

In which case, how would the following work for your team:

Thursday Oct 28<sup>th</sup> – between 12 to 2pm

Monday Nov 1<sup>st</sup> – Anytime between 11am – 2pm

Thursday Nov 4<sup>th</sup> – between 12 and 2pm

We would probably do this via Teams given the geographic scatter of the likely participants.

What we are hoping to cover in the meeting is:

- Introduction to the propose project

21-361

File D

- Context of the current stage of works
- Details of works which would require access to the National Park
- Approval requirements for those works to proceed
- Stakeholder relationships (QPWS is seen as key stakeholder in the wider project)

If you have any items you would like to see included in the meeting agenda please feel free to let me know.

Best regards,

**Jon Alexander**

Principal Ecologist

M [\[6\] Personal info](#) +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)  
832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

---

**From:** ROSS Anthony <[Anthony.Ross@des.qld.gov.au](mailto:Anthony.Ross@des.qld.gov.au)>

**Sent:** Thursday, 21 October 2021 8:55 AM

**To:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Cc:** ZADKOVICH Jo <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>

**Subject:** FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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Hi Jon

Could you suggest a couple of suitable dates/times either late next week or the week after?

If you are on Teams this may be the most efficient approach as we have staff in both Brisbane and Maroochydore that will need to be involved. Otherwise Maroochydore will be the best meeting place.

Kind Regards

**Anthony Ross**

Principal Ranger, Technical Support

South East Queensland Region | Queensland Parks & Wildlife Service and Partnerships

Department of Environment and Science

M [\[6\] Personal info](#) [Chat with me on Teams](#)

Mike Ahern Centre Lvl 6, 12 First Ave, MAROOCHYDORE QLD 4558  
61 Bunya Street, MALENY QLD 4552

---

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Sent:** Tuesday, 19 October 2021 1:10 PM

**To:** HOFFMAN Andrew

**Cc:** Leon BEYLEVELD

**Subject:** Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Andrew,

Thanks for your time last week.

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You mentioned that QPWS staff from the region and QPWS Land tenure staff would be appropriate to attend. We are hoping to have this meeting within the next two weeks, so if you are able to coordinate with the relevant people and propose some times which suit, we will try and lock it in.

Thanks for your assistance with this. If you have any queries please don't hesitate to get in touch.

Best regards,

**Jon Alexander**

Principal Ecologist

M  [61 7 5578 0250](tel:+61755780250) E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

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Date : 23/11/2021 11:48:18 AM

From : "Jo Zadkovich"

To : "Chloe Gosling"

Cc : "Paul Harris (Gympie)"

Subject : RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Attachment :

image001.png;image007.png;image009.png;image010.png;image011.png;image012.png;image013.png;image002.png;image003.png;image004.png;

Thanks Chloe. I am happy for you to provide the advice direct to SMEC so they can take this into consideration when they do their scouting.

Really glad you guys took the time to go have a look!

---

From: Chloe Gosling <Chloe.Gosling@des.qld.gov.au>

Sent: Tuesday, 23 November 2021 11:11 AM

To: Jo Zadkovich

Cc: Paul Harris (Gympie)

Subject: FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Jo

Paul, Bronwyn and I went and had a look at the proposed Geotech sites on Thursday. We couldn't get to every site, but the below is our findings. I have attached the map supplied by SMEC and also the track we followed which might be useful for SMEC.

- NB05 (NP) – no existing tracks. QPWS drove to fish hatchery proposed site is located is on the other side of the creek downstream of the existing dam. Suggest SMEC contacts Seqwater to see if access across the creek from the camping ground is possible.
- NB06 (SF) – access likely possible. There is an existing track nearby and the forest isn't too thick in this location. Some clearing would be necessary, but until we know what the equipment is it is difficult to tell.
- LP01 (NP) – no known existing track. Given location to water, SMEC could consider transporting equipment via boat/barge.
- TR01 (NP) – no known existing track. Very steep and heavily vegetated. QPWS did not walk to this point.
- PC01 (NP) – access is possible. QPWS drove to "parked vehicle" marked on attached KML and walked in to PC01. QPWS recommends equipment is lifted in by helicopter and daily/regular access for drill rig operators to be via ATV (side by side) vehicles to limit impact the National Park. There appears to be an old snig track (mainly located on Powerlink lands) between parked vehicle pin and "old snig track" pin.
- ET01 (NP) – access will be very difficult. Depending on equipment needed it might not be viable. QPWS did not walk all the way down to the point from PC01.

We have given SMEC email approval to undertake similar investigations via foot, the above information would be useful to them.

For your information and forwarding onto SMEC (or I'm happy to do this if you prefer).

Thanks



**Chloe Gosling**  
Senior Ranger, Estate Management | South East Queensland  
Queensland Parks and Wildlife Service & Partnerships  
Department of Environment and Science

Ms) Personal in  
Level 6, 12 First Avenue  
MAROOCHYDORE QLD 4558

---

From: Jo Zadkovich <Jo.Zadkovich@des.qld.gov.au>

Sent: Wednesday, 3 November 2021 9:03 AM

To: Jon ALEXANDER

Cc: Leon BEYLEVELD; Rebecca POWLETT; Anthony Ross; Alison Haycock; David Woolsey; Chloe Gosling

Subject: RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Jon,

Thanks for your time on Monday giving an overview of the project.

It sounds like you are aiming to have the necessary approvals to undertake geotechnical investigations by March 2022. Below are some dot points to summarise the discussion around QPWS&P requirements.

Initial feasibility:

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- o Drill sites GIS and confirm how flexible you are on site locations/movement
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Thanks again, please contact me if you have any questions on the above.

Kind regards,  
Jo

**Jo Zadkovich**

Assistant Principal Ranger – Planning & Resilience  
Technical Support | SEQR | QPWS & Partnerships  
Department of Environment and Science

M) Personal info

Level 6, 12 First Avenue, Maroochydore QLD 4558



[Chat with me on Teams](#)

---

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Sent:** Thursday, 21 October 2021 5:22 PM

**To:** ROSS Anthony

**Cc:** ZADKOVICH Jo; Leon BEYLEVELD; Rebecca POWLETT

**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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Best regards,

**Jon Alexander**

Principal Ecologist

M) Personal info +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

---

**From:** ROSS Anthony <[Anthony.Ross@des.qld.gov.au](mailto:Anthony.Ross@des.qld.gov.au)>

**Sent:** Thursday, 21 October 2021 8:55 AM

**To:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Cc:** ZADKOVICH Jo <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>

**Subject:** FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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Kind Regards



**Anthony Ross**  
Principal Ranger, Technical Support  
South East Queensland Region | Queensland Parks & Wildlife Service and Partnerships  
Department of Environment and Science

[M Personal in](#) or [Chat with me on Teams](#)  
Mike Ahern Centre Lvl 6, 12 First Ave, MAROOCHYDORE QLD 4558  
61 Bunya Street, MALENY QLD 4552

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Sent:** Tuesday, 19 October 2021 1:10 PM

**To:** HOFFMAN Andrew

**Cc:** Leon BEYLEVELD

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Best regards,

**Jon Alexander**  
Principal Ecologist  
[M Personal info](#) +61 7 5578 0250 [E Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)  
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Date : 15/11/2021 12:07:09 PM

From : "Alison Haycock"

To : "Kamilla Wyeth"

Cc : "Amanda Gravina"

Subject : Pumped hydro - impact on QPWS lands

Attachment : image001.png;image003.png;

Points for Fiona to raise with Ben

- Dept of Energy and Public Works is currently progressing a pumped hydro strategy for Qld.
- This includes investing \$22 million to progress detailed design for the proposed Borumba Dam pumped hydro project, which impacts Conondale NP and Imbil SF.
- The Borumba Dam proposal involves raising the existing dam wall, constructing a new upper reservoir on Powerlink owned land, and construction of pipes ('penstock'), surge chambers, an underground power station, access tunnels, access tracks, and a potential ventilation shaft under part of the NP. A transmission line running through NP and the SF to link the power station with the existing Powerlink network is also required.
- It will require revocation of some of the NP and SF for the increased dam inundation area, and permits for any infrastructure on/under NP.
- MPEM (Alison H), Tenures, Acquisitions and SEQ Region staff met with SMEC (consultant to Powerlink) on 1 Nov to discuss the proposal, and also SMECs request to do ecological surveys on the NP and SF, and geotechnical drilling on the NP to a depth of 400m by end March 2022.
- DEPW are also shortlisting several more sites for further concept studies and will be recommending these to their Board by end November.
- Jen Collin (PASI), Manda Page (Threatened species) and Alison Haycock (PM) met with DEPW on 19 October, and Jen and Alison attended a shortlisting workshop with EPW and other departments on 21 October about 16 other potential sites. MPEM is providing DEPW with comments on QPWS&P impacts.
- 5 out of DEPWs 6 preferred sites for further investigation also have impacts on QPWS land – see below. As for Borumba, impacts will result from geotechnical works, construction of underground and above ground infrastructure, possible inundation from new/raised reservoirs, and clearing for transmission lines.
- Impacts on native title, First nations cultural heritage, wildlife etc will also be expected.
- An amendment to the NCA will also be required to enable power stations and associated infrastructure constructed underneath NPs to be authorised, as they are not currently captured in the definition of service facilities.

Project	Impacted areas
Tinaroo to Little Mulgrave	Danbulla NP Danbulla SF Danbulla South FR
Cardstone/Koombooloomba	Koombooloomba NP
Ingham	Nil identified
Pioneer Valley	Eungella NP Crediton SF
Proserpine	McCartney SF Cathu SF
Mt Byron	D'Aguilar NP (possible depending on design) Somerset-Wivenhoe Dams NR



**Alison Haycock**

Team Leader (Resource Industry Projects)

Major Projects and Estate Management, Permissions Management

Queensland Parks and Wildlife Service & Partnerships, Department of Environment and Science

P 07 3199 7617

Level 13, 400 George Street, Brisbane

PO Box 15187, City East, QLD 4002

Date : 1/11/2021 5:15:58 PM

From : "David Woolsey"

To : "Jo Zadkovich" , "Alison Haycock" , "Greg Smyth" , "Anthony Ross" , "Chloe Gosling"

Cc : "Ashley Williams (DES)"

Subject : RE: Borumba Pumped Hydro Energy Storage (PHES) Project

Attachment : image004.png;image005.png;image007.png;image001.png;

Thanks Jo,

I will provide some information to SMEC in the coming days about the revocation process for any impacts that are deemed not compatible with NP/SF tenures.

The proposed inundated areas would likely require revocation and outside of that I would be leaning on your good selves in the region and Alison to determine further areas in need of revocation (where there are no viable alternatives and where the activities cannot be authorised).

Given the large area they had estimated for inundation, the compensation (10:1 for NP, 5:1 for SF) could be fairly significant.

Cheers

Dave



**David Woolsey**  
A/Program Coordinator - Tenure Services  
Park Services | Queensland Parks and Wildlife Service and Partnerships  
Department of Environment and Science

Ph. 07 3330 5333  
Level 5, 400 George St, Brisbane Qld 4000  
PO Box 15187, City East QLD 4002

---

**From:** Jo Zadkovich <Jo.Zadkovich@des.qld.gov.au>

**Sent:** Monday, 1 November 2021 4:29 PM

**To:** David Woolsey; Alison Haycock; Greg Smyth; Anthony Ross; Chloe Gosling

**Cc:** Ashley Williams (DES)

**Subject:** Borumba Pumped Hydro Energy Storage (PHES) Project

Hi all,

It was good to get an overview from SMEC today. Sounds like we are aiming for March 2022 to have the initial feasibility authorities and arrangements sorted for SMEC.

Apologies, I am still a little unclear on who is doing what, however, thought it would be beneficial to briefly summarise what needs to happen. Please add to this if I left off anything important.

Initial feasibility:

- Investigate Native Title implications and advise ASAP if ILUA is required for geotechnical authority
- Investigate access authorities and potentially PTUKI if interference / ecological surveying is required
- Investigate if there is any existing road access points to proposed drill sites (QPWS to advise SMEC)
- Investigate geotechnical works authority (based on mining templates etc) and obtain the following from SMEC:
  - Drill sites GIS and confirm how flexible they are on site locations/movement (I think 50m either way of the identified location was mentioned)
  - Information on the drilling works expected to be undertaken on NP and SF tenure e.g. scale of drill site footprint, including clearing, drilling activities and machinery, spoil management and stockpiles – noting road access to some of the drill sites is highly unlikely, chopper likely the only way to get to there
  - An initial Environmental Impact Statement if possible – plus once they have more details on the scope of works etc a detailed Environmental Works Plan (considering all impacts and mitigation strategies and site rehabilitation) and Cultural Heritage Management Plan

Future requirements if feasible:

- Revocations (land offsets/compensation etc) of inundated lands (parts of Conondale NP and Yabba SF)
- Infrastructure authorities (can this infrastructure be authorised under NCA and FA or does it require leg changes?). Power station proposed to be on park but underground. No above ground infrastructure on park.

Thanks and talk soon.

Jo



**Jo Zadkovich**

Assistant Principal Ranger – Planning & Resilience

Technical Support | SEQR | QPWS & Partnerships

Department of Environment and Science

M) Personal in

Level 6, 12 First Avenue, Maroochydore QLD 4558

 [Chat with me on Teams](#)

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Date : 25/02/2022 10:13:57 AM  
From : "Anthony Ross"  
To : "Alison Haycock"  
Cc : "Jo Zadkovich"  
Subject : FW: Boromba PHES project  
Attachment : 30032677-SKT-001.pdf;30032677-SKT-002.pdf;Photo 5.JPG;Photo 2.JPG;image001.png;image002.png;image003.png;image004.png;image005.png;

Hi Alison

FYI - see below and attached.

I have tried calling Jon because what is provided is fairly ambiguous—the images show much of the set up on scaffolding – but the diagrams show most on ground/cuttings with a helipad clearing in addition! The diagrams are now showing something like a 60m x 40m impact area (as opposed to the earlier 15 x 15m, then 30 x 30m ).

There is quite a bit of gear associated with the activity – but no doubt you already knew that!

I will see what further info I can get from Jon and will ask him to set out further details in writing....

Thanks

A

---

**From:** Jon ALEXANDER <Jon.Alexander@smec.com>  
**Sent:** Friday, 25 February 2022 9:47 AM  
**To:** Anthony Ross  
**Cc:** Leon BEYLEVELD; GWYNNE Chris (Powerlink); EVANS Chris (Powerlink); Anna WEST; Jo Zadkovich; Chloe Gosling  
**Subject:** Boromba PHES project

Hi Anthony,

I have attached, for information purposes, some indicative plans of what the layout of a “heli-rig” geotechnical site might look like. I have also attached a couple of photos of one of these sites in use in an isolated area. There are many options for adapting these setups to suit specific site conditions and minimise potential impacts, for example in the photos you will note that much of drill rig setup is on scaffolding rather than on an excavated pad, with a subsequent reduction in vegetation and ground disturbance.

I am aware that discussion regarding the approvals pathway for these works are ongoing and have a level of complexity to them. However, I thought it would be helpful to have a clearer picture of what may be possible in relation to these proposed works.

If you have any queries regarding this information or require anything additional to further inform future discussions don't hesitate to contact myself or Leon Beyleveld directly.

Best regards,

**Jon Alexander**  
Principal Ecologist  
M 6) Personal info T +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)  
832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia  
SMEC Australia We're redefining exceptional

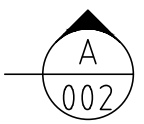
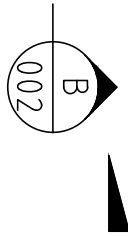
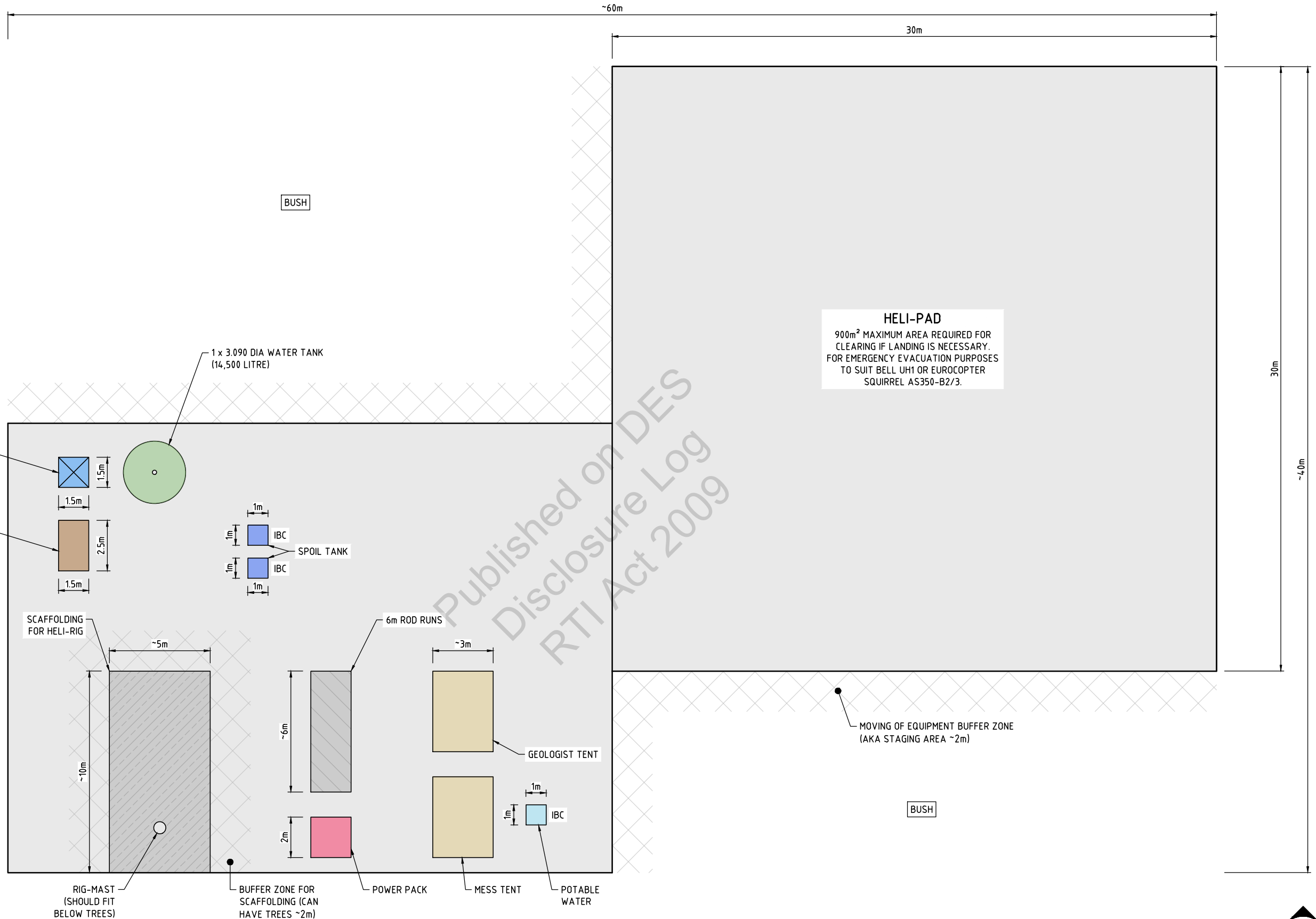
[www.smec.com](http://www.smec.com)  [LinkedIn](#)  [YouTube](#)  [Instagram](#)  [Subscribe](#)



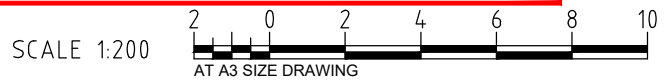
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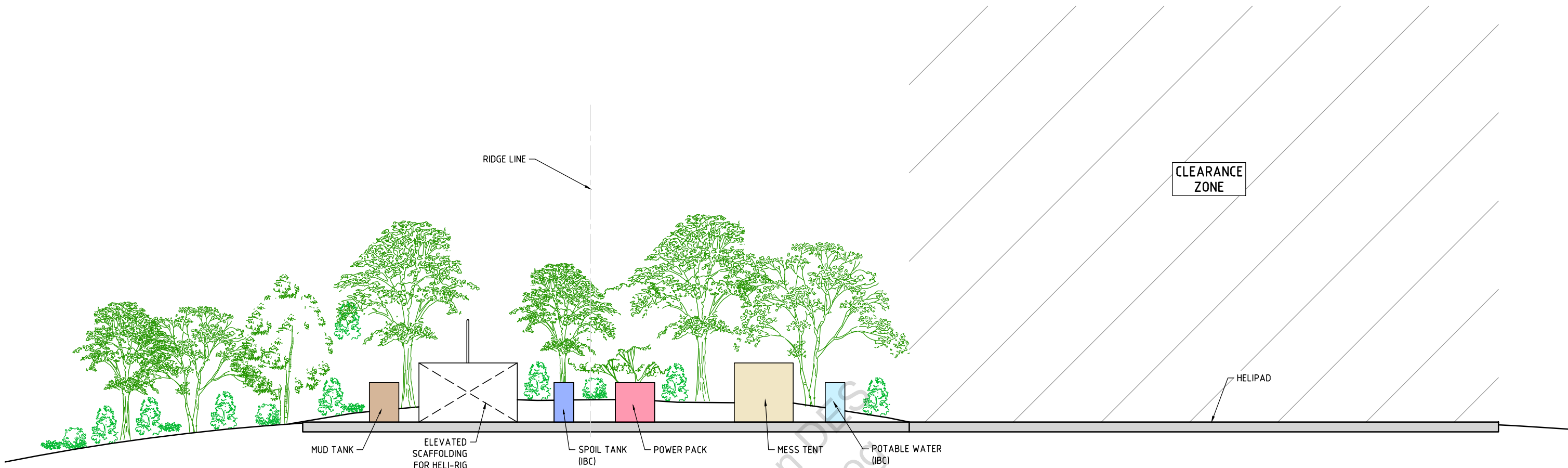
**BORUMBA DAM  
HELI-RIG AREA LAYOUT**

**INFORMATION DOCUMENT**

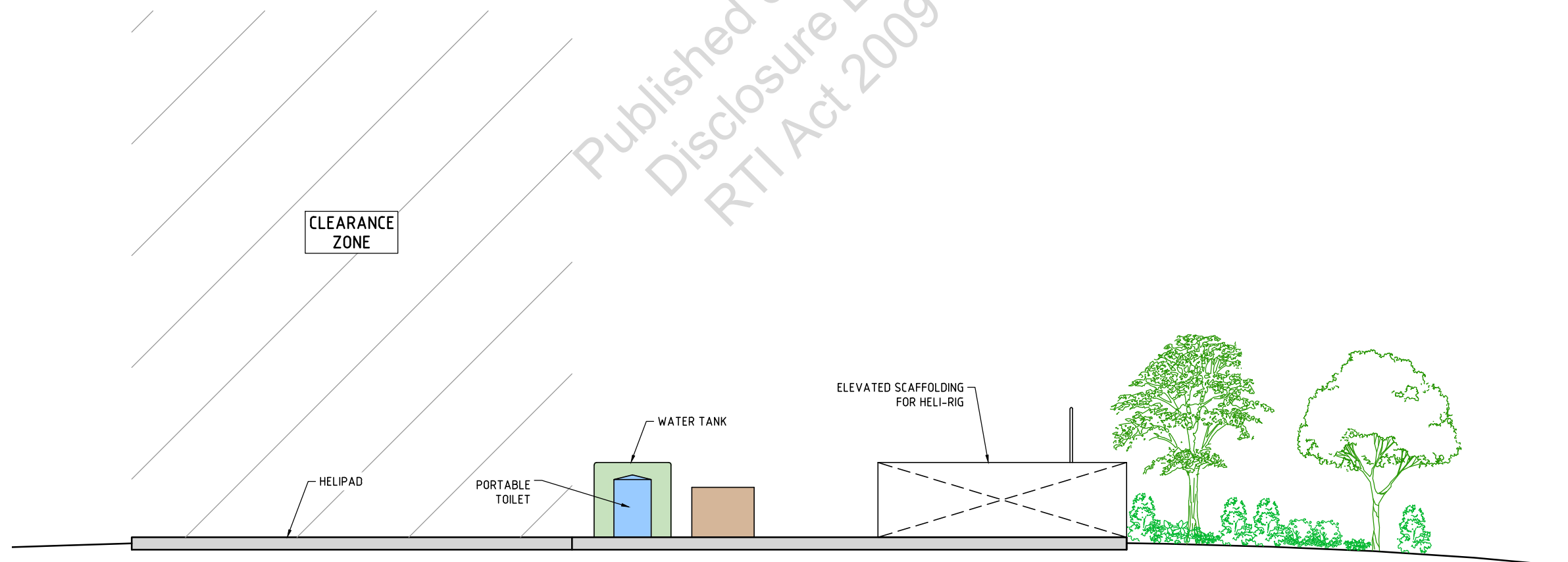
**30032677-SKT-001**



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**ELEVATION A**



**ELEVATION B**

**NOT FOR CONSTRUCTION**

SCALE: NTS

**BORUMBA DAM  
HELI-RIG AREA ELEVATIONS**

**INFORMATION DOCUMENT**

**30032677-SKT-002**





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Date : 9/02/2022 8:56:09 AM  
From : "Anthony Ross"  
To : "Jo Zadkovich" , "Alison Haycock"  
Cc : "Justin Enslin"  
Subject : FW: Borumba PHES Project  
Attachment : BPHES QPWS Geotechnical site information..doc;image001.png;image002.png;image003.png;image004.png;image005.png;image006.png;image007.png;

FYI a bit more location and eco info on sites for test drilling for Borumba project – but still awaiting schematics to understand scale of impact, cut and fill pad etc. They have confirmed in this that no access tracks will be cut/used to access sites.

Notes that an EMP also to come

A



**Anthony Ross**  
Principal Ranger, Technical Support  
South East Queensland Region | Queensland Parks & Wildlife Service and Partnerships  
Department of Environment and Science  
M Personal info or [Chat with me on Teams](#)  
Mike Ahern Centre Lvl 6, 12 First Ave, MAROOCHYDORE QLD 4558

**From:** Jon ALEXANDER <Jon.Alexander@smec.com>  
**Sent:** Tuesday, 8 February 2022 8:17 PM  
**To:** Anthony Ross  
**Cc:** Leon BEYLEVELD; Julius Frangos  
**Subject:** Borumba PHES Project

Hi Anthony,

As discussed at the meeting last week, here is the first package of information regarding the geotechnical investigation site proposed for within Conondale National Park and Imbil State forest. This package is largely background information regarding what is proposed and the results of preliminary investigations of the sites, which hopefully will assist QPWS in its assessment of what the most appropriate approval pathway is.

A second package of information including plans of what the sites may look like, additional information regarding access options and details of the equipment likely to be involved will be available later in the week.

In the mean time if you have any queries regarding the proposed works, or think of other information that would be of assistance, please don't hesitate to contact myself or Leon Beyleveld directly.

Best Regards,

**Jon Alexander**  
Principal Ecologist  
M (6) Personal info +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)  
832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia  
SMEC Australia We're redefining exceptional

[www.smeccom.com](http://www.smeccom.com) LinkedIn YouTube Instagram Subscribe



SMEC acknowledges the Traditional Custodians of Country throughout Australia and their connections to land, sea and community. We pay our respect to their elders past, present and emerging and extend that respect to all First Nations peoples today.

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CTS No. [CTS No.]

Approved Not Approved Noted  
Further information required

Department of National Parks, Sport and Racing  
EXECUTIVE DIRECTOR BRIEFING NOTE

ED.....  
Dated        /        /

TO:            Executive Director, QPWS Northern Parks and  
                  Forests

SUBJECT:    Townsville Scenic Rim Pumped Hydro Power Investigation

**TIMEFRAME**

- Noting of this briefing note is non-urgent.

**RECOMMENDATION**

It is recommended that the Executive Director:

- **note** that the power supply company PacificHydro are investigating three potential pumped hydro power generation sites in the Townsville Region including an area of Mingela State Forest and the Pinnacles.

**BACKGROUND**

- The Department of State Development facilitated a meeting, on 24 November, for PacificHydro to present, to relevant State Departments, their investigations into potential pumped hydro sites in the Townsville Region.
- PacificHydro is a SPIC Group Company (Chinese State owned) focused on bulk supply renewable energy generation.
- PacificHydro are looking at pumped hydro power generation opportunities in the Townsville Region due to current investments in solar farms (including one proposed by PacificHydro) and connectivity to high voltage transmission lines.
- A suitable site for pumped hydro also requires the ability to establish two water storages relatively close together; with a minimum of 200m elevation difference; within a sizeable catchment for one of the storages; and on favourable geology.
- PacificHydro have identified three potential pumped hydro sites in the Townsville Region, which include two sites of interest to QPWS including the Mt Flagstone area of Mingela State Forest and Lot 5030 on the Pinnacles (**Attachment 1**).
- In practice the elevated water storage would be located on the estate of interest to QPWS.
- The Pinnacles and Mt Flagstone sites, each offer the potential to generate over 200 megawatt over an eight to 12 hour period, daily.
- PacificHydro are considering funding opportunities under the North Australia Infrastructure Fund and the Australian Renewable Energy Agency and are consulting with a range of stakeholders in relation to their investigations.

**KEY ISSUES**

- PacificHydro are considering requesting the Coordinator General declare their project a State coordinated project based on economic value and improvements to regional energy security.
- PacificHydro indicated they will formally approach the State Government to not progress dedication of Lot 5030 to protected area until after they have completed their feasibility study and the State has considered the potential benefits of their proposed project.
- At the meeting on the 24 November indications were that the Pinnacles site is the preferred of the three sites for pumped hydro.
- Lot 5030 is USL in the Department's name, it was announced as a future national park by Premier Bligh in 2006, is part of the broader Townsville Scenic Rim national park proposal but hasn't been dedicated for a number of reasons.
- Lot 5030 includes the Pinnacles (geological formation) and connects the offset land managed under agreement with DTMR and the recently acquired section of Granitevale.
- Mingela State Forest was previously forest reserve, with intention to progress to national park, but was reverted back to State forest by the Newman Government in 2014.

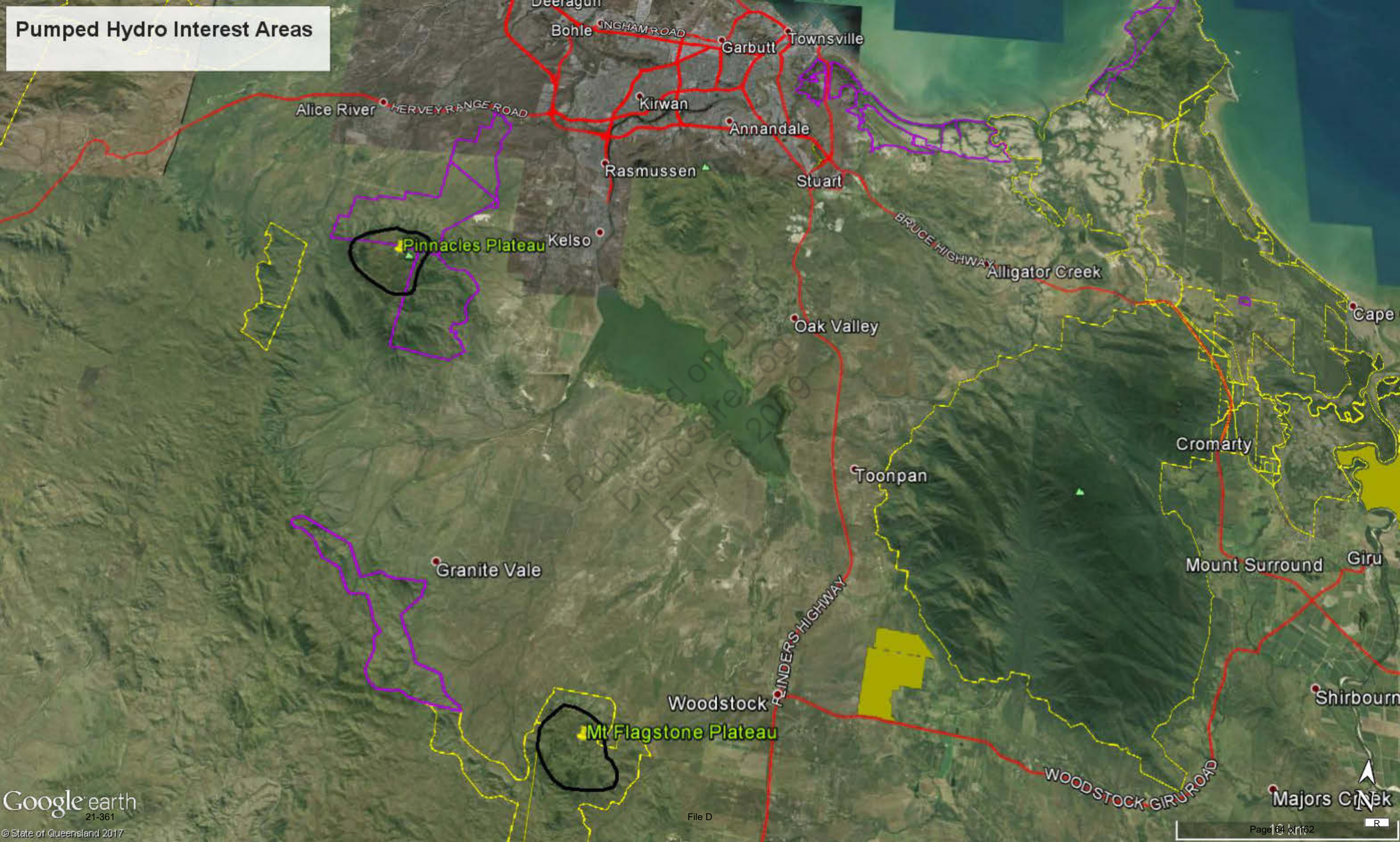
## EXECUTIVE DIRECTOR'S COMMENTS

### ATTACHMENT

- Attachment 1 – Schematic Representation of Areas of Interest on Mingela State Forest and the Pinnacles to PacificHydro for a Pumped Hydro Scheme

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# Pumped Hydro Interest Areas





Date : 27/11/2017 1:05:17 PM  
From : "WILLIAMS Ashley (EHP)"  
To : "WILLIAMS Morgen"  
Cc : "MARKHAM Kate" , "CHRISTIE Steve"  
Subject : FW: Pumped Hydro - Townsville  
Attachment : ED Brief PacificHydro\_Nov 17.docx;Pacific Hydro Interest Areas\_Nov 17.jpg;image001.png;image005.png;image006.jpg;image008.png;image009.jpg;  
This might affect the dedication of the lots near Granite Vale...

From: HARRIS Leigh  
Sent: Monday, 27 November 2017 9:58 AM  
To: WILLIAMS Ashley (EHP) <Ashley.Williams@ehp.qld.gov.au>  
Subject: FW: Pumped Hydro - Townsville



**Leigh Harris**  
Regional Director Central  
Queensland Parks and Wildlife Service  
Department of National Parks, Sport and Racing  
P 07 4999 8526 [Personal in](#)  
Level 5, 44 Nelson Street, Mackay QLD 4740  
Po box 623, Mackay QLD 4740

I acknowledge that Aboriginal Peoples and Torres Strait Islander Peoples are the Traditional Owners of this country and they retain their relationship and connection to the land, sea and community.  
I pay my respects to all Traditional Owners, and to the Elders past, present and the future for land and sea on which I work, live and walk.



From: HARRIS Leigh  
Sent: Friday, 24 November 2017 3:11 PM  
To: NEWMAN James <[James.Newman@npsr.qld.gov.au](mailto:James.Newman@npsr.qld.gov.au)>  
Subject: Pumped Hydro - Townsville

James  
Marty attended meeting with State Development and Pacific Hydro this morning. The power supply company Pacific Hydro are investigating three potential pumped hydro power generation sites in the Townsville Region including an area of Mingela State Forest and the Pinnacles which is part of the broader Townsville Scenic Rim national park proposal.

Briefing Note and map attached for information.

Leigh



**Leigh Harris**  
Regional Director Central  
Queensland Parks and Wildlife Service  
Department of National Parks, Sport and Racing  
P 07 4999 8526 [Personal in](#)  
Level 5, 44 Nelson Street, Mackay QLD 4740  
Po box 623, Mackay QLD 4740

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<b>Approved</b> <b>Not Approved</b> <b>Noted</b> Further information required
ED.....
Dated        /        /

**Department of National Parks, Sport and Racing  
EXECUTIVE DIRECTOR BRIEFING NOTE**

**TO:            Executive Director, QPWS Northern Parks and  
                  Forests**

**SUBJECT:    Townsville Scenic Rim Pumped Hydro Power Investigation**

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## EXECUTIVE DIRECTOR'S COMMENTS

### ATTACHMENT

- Attachment 1 – Schematic Representation of Areas of Interest on Mingela State Forest and the Pinnacles to PacificHydro for a Pumped Hydro Scheme

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Date : 30/08/2021 4:21:52 PM

From : "WILLIAMS Ashley (DES)"

To : "WOOLSEY David"

Subject : RE: Proposed revocation of part of Conondale NP - Borumba Dam Pumped Hydro Energy Storage (PHES)

Attachment : image002.png;

Thanks Dave!

---

From: WOOLSEY David <David.Woolsey@des.qld.gov.au>

Sent: Monday, 30 August 2021 4:21 PM

To: thomas.kohut@coordinatorgeneral.qld.gov.au

Cc: WILLIAMS Ashley (DES)

Subject: Proposed revocation of part of Conondale NP - Borumba Dam Pumped Hydro Energy Storage (PHES)

Hi Thomas,

Thanks for the call earlier. As discussed, I have attached the departmental letter for revocation of protected areas managed under the *Nature Conservation Act 1992*.

I have addressed the letter to you @ Coordinator General on behalf of Powerlink Queensland, please advise me if these details should change and I'll re-address the letter. Are you also able to confirm I have the correct lot on plan in the letter (467 on NPW746)? This letter outlines the process, requirements and timeframes for a revocation of Conondale National Park to occur. I have also attached the *Operational Policy: Revocation of QPWS managed areas* which guides decision making for all proposals. The letter initially prompts a written response to requirements 1 to 4 to allow the department to progress the revocation proposal.

I understand the PHES proposal is currently in the early phases and is undergoing a detailed cost and design analysis. As discussed, the revocation process is lengthy and can take 12-18 months to be completed, therefore it is worth starting the process as early as possible.

I am available to discuss this or other revocation processes if you're uncertain. If you'd prefer to have a meeting and discuss, just send an invite to Ash and myself.

Cheers,  
Dave



**David Woolsey**

A/Senior Program Officer - Tenure Services

Park Services | Queensland Parks and Wildlife Service and Partnerships

Department of Environment and Science

Ph. 07 3330 5333

Level 5, 400 George St, Brisbane Qld 4000

PO Box 15187, City East QLD 4002

Date : 30/08/2021 4:21:15 PM

From : "WOOLSEY David"

To : "thomas.kohut@coordinatorgeneral.qld.gov.au"

Cc : "WILLIAMS Ashley (DES)"

Subject : Proposed revocation of part of Conondale NP - Borumba Dam Pumped Hydro Energy Storage (PHES)

Attachment : QPWS Operational policy Revocation of QPWS managed areas.pdf;210830 Conondale NP - Revocation requirements letter.pdf;image001.png;

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Cheers,  
Dave



**David Woolsey**  
A/Senior Program Officer - Tenure Services  
Park Services | Queensland Parks and Wildlife Service and Partnerships  
Department of Environment and Science

-----  
Ph. 07 3330 5333  
Level 5, 400 George St, Brisbane Qld 4000  
PO Box 15187, City East QLD 4002

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## Revocation of QPWS managed areas

*Operational policies provide a framework for consistent application and interpretation of legislation and for the management of non-legislative matters by the Department of Environment and Science. Operational policies are not intended to be applied inflexibly in all circumstances. Individual circumstances may require a modified application of policy.*

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## Policy subject

When is it appropriate for Queensland Parks and Wildlife Service (QPWS) to approve to revoke part of a QPWS managed area, and what compensation is payable.

## Purpose

This document outlines when QPWS management make a decision about the revocation of an area of national park, conservation park, resources reserve, forest reserve, State forest and timber reserve (collectively referred to as QPWS managed areas<sup>1</sup>) may be considered, and the compensation payable for revocation actions.

## Background

QPWS is responsible for managing approximately 13 million hectares (ha) of land on behalf of the State of Queensland. These lands include national parks, conservation parks, resources reserve and forest reserves established under the *Nature Conservation Act 1992* (NCA) and State forests and timber reserves set aside under the *Forestry Act 1959* (FA).

The Department of Environment and Science (DES) has administrative responsibility to deliver tenure services associated with the NCA and the FA.

National parks, conservation parks and resources reserves are set aside in recognition of their high environmental and conservation values, and are managed in accordance with management principles that guide the types of activities that can occur within their boundaries.

State forests and timber reserves are set aside for the production of log timber and forest products, which include quarry material, protection of watersheds and soil, as well as inherent natural and environmental attributes, and may allow for ongoing grazing, recreation and tourism.

All QPWS managed areas are preserved and managed in the public interest and, in addition to their inherent natural, environmental, cultural and social values, provide for a range of public benefits, including open space, tourism, recreation and cultural pursuits.

From time to time, requests to revoke all or part of a QPWS managed area are made.

Revocation actions may be initiated by an individual, State agency or other entity for purposes including the opening of a public road, other State government purposes (for example, the creation of a rail corridor), and commercial / private purposes.

Revocation actions may also be initiated by QPWS to allow conversion from one QPWS tenure to another (for example, from State forest to conservation park) or to rectify errors in how land has been described, gazetted or used (including boundary adjustments).

## Legislation

### *Nature Conservation Act 1992*

Section 32 and 70E of the NCA establish that the Governor in Council may, by regulation, revoke the dedication of a protected area or forest reserve, in whole or in part. The regulation may be made only if the Legislative Assembly has, on a motion of which at least 28 days' notice has been given, passed a resolution requesting the Governor in Council to make the revocation.

### *Forestry Act 1959*

<sup>1</sup> Refer to 'Glossary of Terms' for definition of QPWS managed areas.

The FA establishes that the Governor in Council may, by regulation, revoke the declaration of land as a State forest in whole or part. The legislative requirements for completing the revocation vary dependent on the purpose of the revocation:

1. If the future intent of the revoked area is for tourist purposes or for use as a public road, section 32 of the FA provides that the Governor in Council may, by regulation, revoke wholly or in part the setting apart and declaration of land as a State forest; or
2. If the future purpose of the revoked area is for a reason other than that described in (1), section 26 of the FA provides that a regulation may be made only if the Legislative Assembly has, on a motion of which at least 14 days' notice has been given, passed a resolution requesting the Governor in Council to make the revocation.

Section 28 of the FA establishes that the Governor in Council may, by regulation, revoke wholly or in part the setting apart and declaration of land as a timber reserve.

## **Policy statement**

### **Revocation actions**

The revocation of a QPWS managed area will only be considered when it is: in the interests of the specific tenure, or where there is a net conservation or forest production benefit to the QPWS managed area as a result.

The revocation of a QPWS managed area may be initiated by QPWS, as the owner, or a person or another entity (the applicant) submitting an application.

An application to revoke a QPWS managed area (or part thereof) should only be made as a 'last resort' option, where no appropriate alternatives exist.

Applications to revoke a QPWS managed area may be considered by QPWS where there is a need to revoke small areas for legitimate purposes such as:

- rectifying historic errors in how land has been described, gazetted or used, including boundary adjustments;
- providing for more effective management (e.g. connectivity and access) of the QPWS managed area;
- risk mitigation and cost savings for QPWS due to incompatible infrastructure, such as a rubbish dump, that generally pre-dates the dedication or declaration of the current tenure;
- to enable land exchanges that provide for better conservation outcomes;
- where there is a mutual benefit to the State and applicant;
- to enable essential public infrastructure works to be undertaken; and
- to support delivery of a specific government commitment.

Revocations for commercial purposes will only be considered where there is no other suitable alternative site and there is a clear net conservation or net forest production benefit to QPWS and / or the Queensland Department of Agriculture and Fisheries (DAF).

Generally, requests for the revocation of QPWS managed areas for private purposes will not be considered (e.g. a request by a neighbouring property owner to realign a drive way through the area for private access or conversion of a grazing lease to freehold).

Revocation of a QPWS managed area is not appropriate simply to facilitate development, activities or impacts that would otherwise be refused on the QPWS managed area or to avoid attracting an environmental offset.



## Application of policy

This policy applies from the date of endorsement. It does not apply retrospectively to any applications, compensation agreements or decisions made, or in place, prior to the date of endorsement or where another approach is specifically provided for.

## Scope of policy

The policy does not apply to revocations of marine park or fish habitat areas. It does not apply to national parks and conservation parks that are also Indigenous Joint Management Areas; national park (Cape York Peninsula Aboriginal Land); or State plantation forest under plantation licence.

## Compensation

The revocation of a QPWS managed area (in whole or in part) may result in the loss or reduction of the inherent natural, environmental, social or cultural values associated with the area being revoked, as well as the loss of an asset to the State and commercial attributes<sup>2</sup> of the area.

Consequently, the applicant will be required to provide compensation for the loss of land, and its inherent values, resulting from an approved revocation. This is the 'land component' of compensation for a revocation, and, unless otherwise mentioned, a reference to compensation in this document, is a reference to compensation for the 'land component'.

While this policy establishes the general position and methodology for determining compensation, the requirement for compensation, is ultimately at the discretion of the Chief Executive responsible for managing that specific tenure type of the QPWS managed areas on behalf of the State.

The type and amount of compensation must be agreed to by the applicant, in writing, for the revocation to proceed. Further detail on compensation types and amounts is provided in the following paragraphs.

In addition to compensation for the 'land component', the applicant will also be required to pay compensation for additional assets and third party interests that will be lost or affected as a result of the revocation. For the purposes of this policy, these are referred to as 'other compensation components' and include compensation for the loss of any QPWS assets on the land, such as roads or built infrastructure; to third parties with an interest in the land, such as licensees and lessees; and as may be required by DAF for commercial timber, quarry material and other forest products associated with the area of land to be revoked.

## Methodology for calculating compensation – land component

### Multipliers

When calculating compensation, a multiplier ratio is applied to the land value or area (depending on the type of compensation) of the proposed revocation<sup>3</sup>. This accounts for the inherent and special attributes of QPWS managed areas, and the investments the State has made over time in acquiring and managing these areas.

Multipliers are as follows:

**Table A: Protected areas under the NCA:**

Tenure type	Ratio
National park	10:1

<sup>2</sup> For example, for QPWS managed areas under the Forestry Act, commercial attributes may include timber and quarry materials.

<sup>3</sup> The multiplier ratios are consistent with those currently endorsed and applied to resource use activities and also established in the 'Queensland Environmental Offsets Policy' (QEOP).

Conservation park	5:1
Resources reserve	5:1

**Table B: Other areas under the NCA and FA:**

Tenure type	Ratio
Forest reserve	5:1
State forest	5:1
Timber reserve	5:1

### Compensation options

Compensation may be provided as:

- (1) cash payment (preferred);
- (2) land-exchange; or
- (3) combination of (1) and (2).

A cash payment is the preferred means for providing compensation for a revocation. However, other types of compensation may be considered where they are in the interests of QPWS and provide a benefit to the State or gain inherent attributes.

#### (1) CASH PAYMENT

A cash payment is a monetary payment made to QPWS (the entity (land owner) responsible for managing these tenures) to compensate for the loss of QPWS managed areas and the inherent attributes of the land.

Cash payments are calculated by multiplying the land value of the area to be revoked by the applicable multiplier from Table A or B.

(For example, the ratio "10:1" indicates the compensation amount to be calculated at 10 times the land value. Likewise a compensation ratio "5:1" is calculated at 5 times the land value).

#### Land value

Land value (the "1" in the ratio) is to be calculated using "market value" or "highest and best value" and must be determined by a qualified valuer<sup>4</sup>.

The calculated land value should not be less than DES's departmental 'Assets Register', (the "floor price") as this identifies the asset value, of the area, to the State in its current restricted value where applicable.

#### (2) LAND EXCHANGE

A land exchange is a swap of land between the applicant or another party and the department managing these tenures.

<sup>4</sup> The multipliers are consistent with those established in the 'Queensland Environmental Offsets Policy' (QEOP) for protected areas. However, the land value for revocation of a QPWS managed area differs from that under the QEOP, which, for reasons particular to environmental offsets, uses the "average unimproved land value for that local government area". The land valuation methodology applied to resource activities currently varies depending on the scale and potential impact of the activity.

A land exchange is only appropriate where it will result in a benefit to the State or gain in QPWS managed area attributes for that tenure type.

The land offered as compensation (the compensation land) does not necessarily need to have the same land value (per hectare dollar value) as the area of land subject to the revocation, provided the aforementioned benefit is achieved.

The compensation land must:

- achieve the ratio for the land type to be revoked (i.e. 10ha of national park to be revoked will be replaced by 100ha of equivalent quality land);
- provide attributes for that tenure type equivalent to or greater than those of the area being revoked;
- provide for similar or equivalent social attributes that may be lost through the revocation (i.e. recreational, cultural and public benefits);
- be considered complementary to the QPWS managed area being affected by the revocation;
- be owned by the applicant, unencumbered and free of any third party interests, including but not necessarily limited to mining, petroleum and gas tenements and native title interests and able to be immediately progressed to a suitable QPWS managed area tenure; and
- be supported by QPWS prior to accepting the land as compensation.

Financial compensation or management / maintenance arrangements for an agreed term that addresses land condition and future land management issues—such as fencing, firebreaks or pest control—thus ensuring QPWS does not receive a financial or resource burden<sup>5</sup>, may also be required before land can be accepted as compensation.

In addition, the applicant will be required to pay all survey, administrative and revocation costs, including any administrative fees or charges incurred by DES or other government departments as part of the revocation process.

Any land provided in excess of the area required for the land exchange will not be considered as a credit against any other proposals to revoke.

### **Multiplier**

The ratio “10:1” indicates the compensation area to be calculated at 10 times the area of land proposed for revocation. Likewise a compensation ratio “5:1” is calculated at 5 times the area of land proposed to be revoked.

### **(3) COMBINATION OF CASH PAYMENT (1) AND LAND EXCHANGE (2)**

Where to the benefit of QPWS managed areas and agreed to by QPWS, compensation may be provided as a combination of land exchange and cash payment.

### **Reduced compensation requirements**

Generally, waiving of compensation requirements would not be appropriate, as in addition to the loss of inherent attributes, revocation results in the complete excision of land from QPWS managed areas and, subsequently, the total loss of the potential conservation and / or commercial benefits of the land, along with the associated public interest, cultural and social attributes.

However, a reduction in compensation requirements could be appropriate in the following circumstances:

<sup>5</sup> QPWS may also stipulate other conditions, such as pest control, rehabilitation or fencing, prior to the land being accepted as compensation.

- (i) A reduced multiplier ratio may be negotiated where, as a result of previously authorised activities or infrastructure, inherent attributes usually associated with the particular tenure of the QPWS managed area have been greatly reduced or are non-existent in the location proposed for revocation and:
  - (a) the revocation is being proposed for a community benefit with a mutual benefit to QPWS; or
  - (b) the revocation will result in a significant conservation benefit and / or a significant strategic and management advantage for QPWS;
- (ii) A land exchange of 1:1 may be negotiated where the land offered provides significant conservation gains and / or strategic and management advantage for QPWS that far exceed those of the land being revoked.

Reductions in relation to (i) would not generally apply to unauthorised activities or infrastructure, and should be applied with caution to authorised activities. There is a risk of creating a perverse incentive to impact land or establish incompatible infrastructure, deliberately reducing the attributes of the land with the view to seeking a revocation in the future.

A complete waiving of compensation requirements would only be considered where revocation of an area is necessary to rectify errors (agreed to by QPWS) in the way land has been described, gazetted or used. For example, a boundary is misaligned.

### **Calculating compensation – other components**

Compensation for other components is calculated on a case by case basis.

The value of State owned timber and quarry assets are determined by DAF.

The value of QPWS assets and infrastructure will be determined by QPWS.

The value of assets owned by a third party (such as licensees and lessees) will be determined by negotiation between the applicant with any third party.

### **Glossary of terms**

**Applicant** is the person or entity (including another Government department/s, but excluding QPWS) who makes a formal application for revocation.

**Assets Register** is the list of the fixed assets owned by DES. The land value on this register is calculated using the current tenure status, i.e. with all restrictions / encumbrances for activities and development in place. The Assets Register value must be used as the “floor price” for compensation and is available on the SAP system or from Corporate Finance.

**Benefit to the State** means the action provides a net conservation benefit or net forest production benefit (as is applicable to the particular tenure of the land subject to the revocation proposal).

**Compensation** means the compensation amount (either cash or land) to be paid by the applicant. This does not include any statutory or additional costs that may be incurred for the revocation process to proceed.

**Department** means the Queensland Government department, current or former, with responsibility for the QPWS managed area.

**Development** means land supporting or for the purpose of supporting infrastructure, including road and rail.

**Floor price** is the lowest land value price that will be accepted for compensation. This is determined by the Assets Register.

**Land value** is the value of the land using a specific type of methodology.

**Market value** this is the highest and best land value methodology and is a reflection of what the land will become without any encumbrances and restrictions.

**Multiplier** means the ratio component that is multiplied to the value figure (as determined by using one of the methodologies above) to provide a QPWS value for that area. For example, ten times the land value (10:1) as is the case for national park tenure. If the value of the land is calculated at \$50 per hectare, when incorporating the multiplier of 10:1 the QPWS intrinsic value becomes \$500 per hectare. If the land area to be revoked is 3 hectares at a value of \$500/ha the compensation amount payable to QPWS is \$1500.

**QPWS managed area** includes:

- protected area tenure, including forest reserves, under the *Nature Conservation Act 1992*; and
- State forests and timber reserves under the *Forestry Act 1959*.

**Protected area tenure** (for the purpose of this policy) is further defined as any of the following classes of protected area defined under the *Nature Conservation Act 1992*:

- national park;
- conservation park; and
- resources reserve.

**Revoke** means repealing the dedication of all or part of the land tenure under the *Nature Conservation Act 1992* and / or repealing the declaration of all or part of the land tenure under the *Forestry Act 1959*.

## Abbreviations

**DAF** is the Department of Agriculture and Fisheries

**DES** is the Department of Environment and Science

**FA** is the *Forestry Act 1959*

**LGA** is a Local Government Area

**NCA** is the *Nature Conservation Act 1992*

**QEOP** is the Queensland Environmental Offset Policy

**QPWS** is the Queensland Parks and Wildlife Service, a division of DES

## Relevant legislation

*Forestry Act 1959*

*Nature Conservation Act 1992*

**Disclaimer**

While this document has been prepared with care it contains general information and does not profess to offer legal, professional or commercial advice. The Queensland Government accepts no liability for any external decisions or actions taken on the basis of this document. Persons external to the Department of Environment and Science should satisfy themselves independently and by consulting their own professional advisors before embarking on any proposed course of action.

**Approved By**

Ben Klaassen

Signature

3 October 2014

Date

Deputy Director-General  
Queensland Parks and Wildlife Service

**Enquiries:**  
Major Projects and Estate Management Unit  
Email: [QPWS.Estate@des.qld.edu.au](mailto:QPWS.Estate@des.qld.edu.au)

Published on DES  
Disclosure Log  
RTI Act 2009

Date : 9/09/2021 3:50:51 PM

From : "WOOLSEY David"

To : "BARTKOW Eri"

Cc : "WYETH Kamilla" , "ATKINS Claire" , "WILLIAMS Morgen" , "ARMSTRONG Jerilly" , "PETERKEN Claire"

Subject : FW: Proposed revocation of part of Conondale NP - Borumba Dam Pumped Hydro Energy Storage (PHES)

Attachment : QPWS Operational policy Revocation of QPWS managed areas.pdf;210830 Conondale NP - Revocation requirements letter\_sgned.pdf;image001.png;

Hi all,

73(2)Irrelevant

As discussed, I am forwarding the revocation letter and policy that was sent to Thomas Kohut about the Conondale NP Pumped Hydro Energy Storage project that is proposed.

73(2)Irrelevant

73(2)Irrelevant

73(2)Irrelevant

Any other questions just call me!

Cheers

Dave



**David Woolsey**  
A/Senior Program Officer - Tenure Services  
Park Services | Queensland Parks and Wildlife Service and Partnerships  
Department of Environment and Science

Ph. 07 3330 5333  
Level 5, 400 George St, Brisbane Qld 4000  
PO Box 15187, City East QLD 4002

From: WOOLSEY David

Sent: Tuesday, 31 August 2021 9:30 AM

To: Thomas Kohut

Subject: RE: Proposed revocation of part of Conondale NP - Borumba Dam Pumped Hydro Energy Storage (PHES)

No problems Thomas, we shall wait to hear from you and go from there.

73(2)Irrelevant

Again, if there's any issues or questions just let me know.

Cheers

Dave



**David Woolsey**  
A/Senior Program Officer - Tenure Services  
Park Services | Queensland Parks and Wildlife Service and Partnerships  
Department of Environment and Science

Ph. 07 3330 5333  
Level 5, 400 George St, Brisbane Qld 4000  
PO Box 15187, City East QLD 4002

From: Thomas Kohut <[Thomas.Kohut@coordinatorgeneral.qld.gov.au](mailto:Thomas.Kohut@coordinatorgeneral.qld.gov.au)>

Sent: Monday, 30 August 2021 5:55 PM

To: WOOLSEY David

Subject: RE: Proposed revocation of part of Conondale NP - Borumba Dam Pumped Hydro Energy Storage (PHES)

David these attachments are excellent! Thank you very much.

73(2)Irrelevant

73(2)Irrelevant

73(2)Irrelevant

73(2)Irrelevant

Thanks again  
Kind regards Thomas

---

**From:** WOOLSEY David <[David.Woolsey@des.qld.gov.au](mailto:David.Woolsey@des.qld.gov.au)>  
**Sent:** Monday, 30 August 2021 4:21 PM  
**To:** Thomas Kohut <[Thomas.Kohut@coordinatorgeneral.qld.gov.au](mailto:Thomas.Kohut@coordinatorgeneral.qld.gov.au)>  
**Cc:** WILLIAMS Ashley (DES) <[Ashley.Williams@des.qld.gov.au](mailto:Ashley.Williams@des.qld.gov.au)>  
**Subject:** Proposed revocation of part of Conondale NP - Borumba Dam Pumped Hydro Energy Storage (PHES)

Hi Thomas,

Thanks for the call earlier. As discussed, I have attached the departmental letter for revocation of protected areas managed under the *Nature Conservation Act 1992*.

I have addressed the letter to you @ Coordinator General on behalf of Powerlink Queensland, please advise me if these details should change and I'll re-address the letter. Are you also able to confirm I have the correct lot on plan in the letter (467 on NPW746)? This letter outlines the process, requirements and timeframes for a revocation of Conondale National Park to occur. I have also attached the *Operational Policy: Revocation of QPWS managed areas* which guides decision making for all proposals. The letter initially prompts a written response to requirements 1 to 4 to allow the department to progress the revocation proposal.

I understand the PHES proposal is currently in the early phases and is undergoing a detailed cost and design analysis. As discussed, the revocation process is lengthy and can take 12-18 months to be completed, therefore it is worth starting the process as early as possible.

I am available to discuss this or other revocation processes if you're uncertain. If you'd prefer to have a meeting and discuss, just send an invite to Ash and myself.

Cheers,  
Dave



**David Woolsey**  
A/Senior Program Officer - Tenure Services  
Park Services | Queensland Parks and Wildlife Service and Partnerships  
Department of Environment and Science

-----  
Ph. 07 3330 5333  
Level 5, 400 George St, Brisbane Qld 4000  
PO Box 15187, City East QLD 4002

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Our ref CTS TBA  
Your ref

30 August 2021

Mr Thomas Kahut  
Coordinator General  
Department of State Development, Infrastructure,  
Local Government and Planning  
Thomas.Kahut@coordinatorgeneral.qld.gov.au

To Thomas (on behalf of Powerlink Queensland),

**Proposed revocation of part of Conondale National Park (described as part of lot 467 on plan NPW746) for freehold purpose.**

The Department of Environment and Science (the department) undertakes tenure actions for *Forestry Act 195* (the Act) matters on behalf of the State. The revocation of National Park tenure is subject to Ministerial in-principle approval, Parliamentary tabling and debate, and endorsement by the Governor in Council.

A revocation proposal should not be considered by the proponent to have an assured outcome, that is, the proposal does not guarantee that a revocation will occur. Any costs incurred by Powerlink Queensland (Powerlink) in relation to the proposal are at the discretion of Powerlink and regardless of whether the proposal is finalised, will not be reimbursed. Furthermore, should Powerlink be unable to fulfil all nine requirements outlined below, the proposal will not progress.

To enable the department to progress this proposal, Powerlink must provide an application, in the form of a return letter, complying with requirements 1 – 4 below.

1. Justification for Proposed Revocation

Powerlink must demonstrate why the revocation should be progressed including:

- why revoking part of Conondale National Park is necessary e.g. for a public purpose
- why alternative options not requiring the revocation of part of Conondale National Park are inappropriate
- practical and reasonable measures that will be undertaken to minimise impacts on the natural and cultural commercial resources of Conondale National Park
- community consultation supporting the proposal if relevant.

The department will consider the justification against State interests and the *Operational Policy: Revocation of QPWS managed areas*.

2. Preliminary Sketch

Powerlink must provide a current sketch or preliminary plan outlining the scope and total area proposed to be revoked from Conondale National Park.

If land is to be provided as compensation (see 3. below), Powerlink must also provide the department with a current sketch or preliminary plan outlining the scope and total area proposed to be offered.

### 3. Compensation

Compensation at not less than the market value of the land is required at a 5 to 1 ratio for the area proposed to be revoked from Conondale National Park in accordance with the *Operational policy: Revocation of QPWS managed areas* (attached) and must be provided as a:

- a) cash payment
- b) land exchange
- c) combination of a) and b).

Powerlink must advise the department which compensation option they intend to provide.

A copy of title for land offered as compensation must be provided at no cost to the department for consideration. Land offered must have suitable conservation values, be unencumbered and free of third party interests e.g. mining tenements and native title rights, among others. The land may also be subject to conditions e.g. pest control, rehabilitation, fencing, etc. prior to the land being accepted as compensation.

### 4. Payment of Costs

Powerlink must agree to pay costs that may be incurred by the department for undertaking the proposal including, but not limited to:

- property valuations and/or valuation reviews
- advertising costs
- legislation drafting costs
- lodgement and registration fees.

Government fees and charges are indexed annually and may change.

When requirements 1 – 4 above are satisfied, and if:

- a) Department of Resources (DoR) post-revocation tenure in-principle support is provided, and
- b) Department of Environment and Science Ministerial in-principle approval is provided, Powerlink will be advised to satisfy requirements 5 – 9 below and pay for all associated costs within six months for departmental appraisal, prior to the proposals' progression to the Parliament and Governor in Council for consideration (*these requirements also apply to any land offered as compensation*). It is important to note that if Powerlink proceed/s with addressing requirements 5-9 below before being advised by the department to do so, Powerlink may incur avoidable costs, which, as above, will not be reimbursed.

### 5. Native Title Rights and Interests

Powerlink must provide the department with written confirmation in accordance with State Government Native Title Work Procedures that all native title rights and interests, if any, have been resolved to support the proposed post-revocation tenure.

6. Cultural Heritage

Powerlink must provide the department with written verification in accordance with the *Aboriginal Cultural Heritage Act 2003* (Qld) and/or the *Torres Strait Islander Cultural Heritage Act 2003* (Qld) that Cultural Heritage Duty of Care has been fulfilled to support the proposed post-revocation tenure.

7. Third Party Consent

Powerlink must undertake relevant land information searches of the land to be revoked to ensure that there are no third party interests present on the land. Relevant searches may include, but are not limited to: Title search, Energex/Ergon property search, Powerlink property search and Telecommunications search.

Additionally, Powerlink must provide the written consent, including any terms and conditions for compensation, surrender, etc., of any third party (e.g. trustees, lessees, permit holders, etc.) with an interest in the land to be revoked. Conversely, if Powerlink determines that there are no third party interests in the land, Powerlink must advise the department of this determination.

8. Survey Plan

Powerlink must provide the department with an original survey plan for the area to be revoked from Conondale National Park in accordance with the Registrar of Titles Directions for the Preparation of Plans, for the area to be revoked from Conondale National Park. This survey plan must identify the land proposed for revocation from Conondale National Park under this proposal, and **must not** include proposed compensation areas, or any other proposed revocation. For example, road openings and closures are to be shown on separate survey plans.

If the area of Conondale National Park to be revoked is subject to third party interests, Powerlink may also be required to provide the department with a copy of a plan of survey for the new third party area of the interest affected by the proposed revocation e.g. plantation licence plan, *Land Act 1994* lease/licence, etc. in accordance with the Registrar of Titles Directions for the Preparation of Plans, unless the third party consents to surrendering their interest wholly.

If Powerlink proposes a land exchange as compensation, Powerlink must provide a separate survey plan for the area proposed as compensation.

Additionally, the department will contact the local State Land and Asset Management office of DoR to discuss post-revocation tenure (e.g. road reserve, freehold, etc) over the area proposed to be revoked from Conondale National Park. This process may involve the department or the proponent to submit application forms and pay associated fees. If the department is required to pay any fees, costs will be reimbursed from the proponent.

9. Compensation

Powerlink must provide compensation as advised at 3. above.

- Land offered must have suitable conservation values, be unencumbered and free of third party interests e.g. mining tenements and native title rights and interests, among others. The land may also be subject to conditions e.g. pest control, rehabilitation, fencing, etc. prior to the land being accepted as compensation.

- Where a cash payment is proposed, a Market Valuation for the total area to be revoked from Conondale National Park will be used to determine the compensation amount in accordance with the *Operational Policy: Revocation of QPWS managed areas*. The valuation must consider the highest and best use of the proposed use for the land and be less than 12 months old. GST also applies to all cash compensation.

A Market Valuation for the total area to be revoked from Conondale National Park must be provided at no cost to the department for consideration. This is required for departmental financial reporting.

Powerlink may defer to the department the requirement to obtain a valuation to support the determination of the land's value, the cost of which will be recouped from Powerlink. Where Powerlink elects to pursue this option, the department will provide a copy of the valuation to Powerlink and Powerlink agrees not to dispute the valuation.

In instances where Powerlink provides a valuation to the department for consideration, the valuation will be forwarded to DoR's State Valuation Service for review. Powerlink will be invoiced for the cost of this review (approximately \$600).

Payment of compensation, if cash, is required to be paid to the department before the revocation can be progressed to Governor in Council. Additionally, payment of additional costs may also be required e.g. duty, to third parties with an interest in the land and DoR to secure post-revocation tenure.

Your attention to requirements 1 – 4 by 31 January 2022 would be appreciated, otherwise this proposal will lapse. Should Powerlink be unable to comply with the requirements by the due date, Powerlink may apply in writing for an extension of time prior to 31 December 2021 and must address the following:

- what action you have taken to comply with the requirements
- why the requirements cannot be complied with by 31 January 2022
- the extension of time requested.

Should you have any further enquiries, please contact me on (07) 3330 5333 or by email at [david.woolsey@des.qld.gov.au](mailto:david.woolsey@des.qld.gov.au)

Yours sincerely

h4p4( 6) Personal informati

David Woolsey  
**A/Senior Program Officer, Tenure Services**  
**Parks Services, Queensland Parks and Wildlife Service & Partnerships**

## Appendix

### **Process and timelines for revocation proposals:**

#### **a) made under the Nature Conservation Act 1992 (national park, national park (scientific), conservation park, resources reserve or forest reserve)**

- **Revocation requirements 1-4** – Proponent must provide the department with a letter responding to points 1-4 respectively in the department’s revocation requirements letter.
  - **Timeframe:** Generally 1-3 months.
- **Interdepartmental consultation** – Once your response to revocation requirements 1-4 have been received, the department would then consult with other agencies with an interest in the land (e.g. Department of Resources regarding approval of post-revocation tenure of the land).
  - **Timeframe:** Generally 2-3 months.
- **Ministerial in-principle approval** – Once other agencies have provided support, or otherwise, for the proposal, the department must seek the relevant Minister’s in-principle approval of the proposal.
  - **Timeframe:** Generally 3-4 months.
- **Revocation Requirements 5-9** – If Ministerial in-principle support of the proposal is granted, the proponent will be advised of this approval and instructed to fulfil revocation requirements 5-9.
  - **Timeframe:** Generally 3-12 months.
- **Parliament** – Once revocation requirements 5-9 are satisfactorily received and approved by the department, then under section 32 (or 70E, if a forest reserve) of the *Nature Conservation Act 1992*, the proposal must be tabled in and debated in Parliament.
  - **Timeframe:** Generally 6-12 months
- **Governor in Council approval** – if the proposal is approved by Parliament, then a regulation that removes the proposed revocation area from the relevant protected area will need to be drafted and progressed to the Governor in Council for approval, giving effect to the revocation;
  - **Timeframe:** Generally 3-6 months.
- **Title Office registrations** – after the area is revoked, associated survey plans are lodged with the Titles Office and registered in due course. The title of the revoked land is also removed from the protected area or forest in order for the proponent to deal with post-revocation tenure of the land as necessary.
  - **Timeframe:** Generally 1 month.

Note: The above timeframes are to be used as a guide only and are reflective of the average timeframes taken for each step of the process. Circumstances outside of the department's control may increase these timeframes substantially.

Published on DES  
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RTI Act 2009

Date : 22/10/2021 10:16:37 AM

From : "ZADKOVICH Jo"

To : "WILLIAMS Ashley (DES)" , "SMYTH Greg" , "HAYCOCK Alison"

Cc : "ROSS Anthony"

Subject : FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Attachment :

image006.png;image009.png;image010.png;image011.png;image012.png;image013.png;image001.png;image002.png;image003.png;

Hi all,

We have recently been approached by SMEC – see below – about setting up a meeting to discuss the Borumba PHES project.

I am unsure how familiar you are with this – if you have any additional background it would be great if you could share it with me!

We were thinking it might be beneficial for you or a team representative to attend this initial meeting? Can you let me know if you would like to attend and your availability? The 28<sup>th</sup> isn't suitable for Anthony or myself – we were hoping to run with the 1<sup>st</sup> of November option.

Thanks and talk soon.

Jo



**Jo Zadkovich**

Acting Assistant Principal Ranger – Planning & Resilience

Technical Support | SEQR | QPWS & Partnerships

Department of Environment and Science

[M Personal info](#)

Level 6, 12 First Avenue, Maroochydore QLD 4558

[Chat with me on Teams](#)

---

**From:** Jon ALEXANDER <Jon.Alexander@smec.com>

**Sent:** Thursday, 21 October 2021 5:22 PM

**To:** ROSS Anthony

**Cc:** ZADKOVICH Jo; Leon BEYLEVELD; Rebecca POWLETT

**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Ross,

I am anticipating that we can cover most of the key things in this initial meeting in about an hour.

In which case, how would the following work for your team:

Thursday Oct 28<sup>th</sup> – between 12 to 2pm

Monday Nov 1<sup>st</sup> – Anytime between 11am – 2pm

Thursday Nov 4<sup>th</sup> – between 12 and 2pm

We would probably do this via Teams given the geographic scatter of the likely participants.

What we are hoping to cover in the meeting is:

- Introduction to the propose project
- Context of the current stage of works
- Details of works which would require access to the National Park
- Approval requirements for those works to proceed
- Stakeholder relationships (QPWS is seen as key stakeholder in the wider project)

If you have any items you would like to see included in the meeting agenda please feel free to let me know.

Best regards,

**Jon Alexander**

Principal Ecologist

[M Personal info](#) +61 7 5578 0250 [E Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

---

**From:** ROSS Anthony <[Anthony.Ross@des.qld.gov.au](mailto:Anthony.Ross@des.qld.gov.au)>

**Sent:** Thursday, 21 October 2021 8:55 AM

**To:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Cc:** ZADKOVICH Jo <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>

**Subject:** FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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Kind Regards



**Anthony Ross**  
Principal Ranger, Technical Support  
South East Queensland Region | Queensland Parks & Wildlife Service and Partnerships  
Department of Environment and Science

MI Personal Info [Chat with me on Teams](#)  
Mike Ahern Centre Lvl 6, 12 First Ave, MAROOCHYDORE QLD 4552  
61 Bunya Street, MALENY QLD 4552

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**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>  
**Sent:** Tuesday, 19 October 2021 1:10 PM  
**To:** HOFFMAN Andrew  
**Cc:** Leon BEYLEVELD  
**Subject:** Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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MI Personal Info T +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)  
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Disclosure Log  
RTI Act 2009

Date : 22/10/2021 1:32:55 PM

From : "WILLIAMS Ashley (DES)"

To : "WOOLSEY David"

Subject : FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Attachment :

image006.png;image009.png;image010.png;image011.png;image012.png;image013.png;image002.png;image004.png;image005.png;  
FYI mate.

---

From: ZADKOVICH Jo <Jo.Zadkovich@des.qld.gov.au>

Sent: Friday, 22 October 2021 10:17 AM

To: WILLIAMS Ashley (DES); SMYTH Greg; HAYCOCK Alison

Cc: ROSS Anthony

Subject: FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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Thanks and talk soon.

Jo



**Jo Zadkovich**

Acting Assistant Principal Ranger – Planning & Resilience

Technical Support | SEQR | QPWS & Partnerships

Department of Environment and Science

Personal info

Level 6, 12 First Avenue, Maroochydore QLD 4558



[Chat with me on Teams](#)

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From: Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

Sent: Thursday, 21 October 2021 5:22 PM

To: ROSS Anthony

Cc: ZADKOVICH Jo; Leon BEYLEVELD; Rebecca POWLETT

Subject: RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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M [6](tel:+61755780250) Personal info T +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

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South East Queensland Region | Queensland Parks & Wildlife Service and Partnerships  
Department of Environment and Science

M) Personal in or [Chat with me on Teams](#)  
Mike Ahern Centre Lvl 6, 12 First Ave, MAROOCHYDORE QLD 4558  
61 Bunya Street, MALENY QLD 4552

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Best regards,

Jon Alexander

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Page 91 of 162

Principal Ecologist  
M +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)  
832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia  
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RTI Act 2009

Date : 22/10/2021 1:32:02 PM

From : "WILLIAMS Ashley (DES)"

To : "HAYCOCK Alison" , "ZADKOVICH Jo"

Cc : "ROSS Anthony" , "SMYTH Greg"

Subject : RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Attachment :

image001.png;image002.png;image003.png;image004.png;image007.png;image009.png;image010.png;image011.png;image012.png;image013.png;

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Dave Woolsey and Glen Dodds should be invitees too, and I've added them to next week's pre-meeting meeting.

Ash

---

From: HAYCOCK Alison <Alison.Haycock@des.qld.gov.au>

Sent: Friday, 22 October 2021 10:58 AM

To: ZADKOVICH Jo

Cc: ROSS Anthony; WILLIAMS Ashley (DES); SMYTH Greg

Subject: RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Jo

Yes happy to attend – 1<sup>st</sup> or 4<sup>th</sup> fine with me.

Would be useful if we could have a catch up about this matter between now and the meeting too – I have been involved in a couple of meetings with Dept Energy and Public Works about pumped hydro incl this project.

Alison



**Alison Haycock**

Team Leader (Resource Industry Projects)

Major Projects and Estate Management, Permissions Management

Queensland Parks and Wildlife Service & Partnerships, Department of Environment and Science

P 07 3199 7617

Level 9, 400 George Street, Brisbane

PO Box 15187, City East, QLD 4002

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Thanks and talk soon.

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**Jo Zadkovich**

Acting Assistant Principal Ranger – Planning & Resilience

Technical Support | SEQR | QPWS & Partnerships

Department of Environment and Science

**Personal in**

Level 6, 12 First Avenue, Maroochydore QLD 4558



[Chat with me on Teams](#)

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Sent: Thursday, 21 October 2021 5:22 PM

To: ROSS Anthony

Cc: ZADKOVICH Jo; Leon BEYLEVELD; Rebecca POWLETT

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Principal Ecologist

M 6) Personal info T +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

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**Cc:** ZADKOVICH Jo <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>

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**Anthony Ross**

Principal Ranger, Technical Support

South East Queensland Region | Queensland Parks & Wildlife Service and Partnerships

Department of Environment and Science

M [Personal info](#) or [Chat with me on Teams](#)

Mike Ahern Centre Lvl 6, 12 First Ave, MAROOCHYDORE QLD 4558

61 Bunya Street, MALENY QLD 4552

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**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Sent:** Tuesday, 19 October 2021 1:10 PM

**To:** HOFFMAN Andrew

**Cc:** Leon BEYLEVELD

**Subject:** Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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Date : 22/10/2021 3:59:40 PM

From : "HAYCOCK Alison"

To : "WILLIAMS Ashley (DES)", "ZADKOVICH Jo"

Cc : "ROSS Anthony", "SMYTH Greg", "WOOLSEY David", "DODDS Glen"

Subject : RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Attachment :

image001.png;image005.png;image006.png;image008.png;image014.png;image015.png;image016.png;image017.png;image018.png;image019.png;

All some relevant background info here

[Borumba Dam Pumped Hydro: detailed design and cost analysis | Department of Energy and Public Works \(epw.qld.gov.au\).](#)

I also went to a workshop yest with DEPW to look at other sites around Qld that may be the next in line for scoping. Can discuss more next week.

Regards  
Alison

---

From: WILLIAMS Ashley (DES) <Ashley.Williams@des.qld.gov.au>

Sent: Friday, 22 October 2021 1:32 PM

To: HAYCOCK Alison; ZADKOVICH Jo

Cc: ROSS Anthony; SMYTH Greg

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- Details of works which would require access to the National Park
- Approval requirements for those works to proceed
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You mentioned that QPWS staff from the region and QPWS Land tenure staff would be appropriate to attend. We are hoping to have this meeting within the next two weeks, so if you are able to coordinate with the relevant people and propose some times which suit, we will try and lock it in.

Thanks for your assistance with this. If you have any queries please don't hesitate to get in touch.

Best regards,

**Jon Alexander**  
Principal Ecologist  
M) [CTPI 49-Sch4](#) +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)  
832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia  
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Date : 22/10/2021 4:02:19 PM

From : "WOOLSEY David"

To : "ZADKOVICH Jo"

Cc : "WILLIAMS Ashley (DES)"

Subject : RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Attachment :

image001.png;image003.png;image007.png;image009.png;image010.png;image011.png;image012.png;image013.png;image005.png;image006.png;

Hi Jo,

73(2)Irrelevant

I haven't talked to the actual proponent about this one at all, but he mentioned that it would likely be Powerlink Queensland? Either way there's a fair bit of info for the project on the internet I noticed.

Cheers

Dave



**David Woolsey**

A/Senior Program Officer - Tenure Services  
Park Services | Queensland Parks and Wildlife Service and Partnerships  
Department of Environment and Science

Ph. 07 3330 5333  
Level 5, 400 George St, Brisbane Qld 4000  
PO Box 15187, City East QLD 4002

---

**From:** WILLIAMS Ashley (DES) <Ashley.Williams@des.qld.gov.au>

**Sent:** Friday, 22 October 2021 1:33 PM

**To:** WOOLSEY David

**Subject:** FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

FYI mate.

---

**From:** ZADKOVICH Jo <Jo.Zadkovich@des.qld.gov.au>

**Sent:** Friday, 22 October 2021 10:17 AM

**To:** WILLIAMS Ashley (DES); SMYTH Greg; HAYCOCK Alison

**Cc:** ROSS Anthony

**Subject:** FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi all,

We have recently been approached by SMEC – see below – about setting up a meeting to discuss the Borumba PHES project.

I am unsure how familiar you are with this – if you have any additional background it would be great if you could share it with me!

We were thinking it might be beneficial for you or a team representative to attend this initial meeting? Can you let me know if you would like to attend and your availability? The 28<sup>th</sup> isn't suitable for Anthony or myself – we were hoping to run with the 1<sup>st</sup> of November option.

Thanks and talk soon.

Jo



**Jo Zadkovich**

Acting Assistant Principal Ranger – Planning & Resilience  
Technical Support | SEQR | QPWS & Partnerships  
Department of Environment and Science

Personal in  
Level 6, 12 First Avenue, Maroochydore QLD 4558

[Chat with me on Teams](#)

---

**From:** Jon ALEXANDER <Jon.Alexander@smec.com>

**Sent:** Thursday, 21 October 2021 5:22 PM

**To:** ROSS Anthony

**Cc:** ZADKOVICH Jo; Leon BEYLEVELD; Rebecca POWLETT

**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Ross,

I am anticipating that we can cover most of the key things in this initial meeting in about an hour.

In which case, how would the following work for your team:

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Monday Nov 1<sup>st</sup>– Anytime between 11am – 2pm

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We would probably do this via Teams given the geographic scatter of the likely participants.

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- Introduction to the propose project
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If you have any items you would like to see included in the meeting agenda please feel free to let me know.

Best regards,

**Jon Alexander**

Principal Ecologist

M 6) Personal info T +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

---

**From:** ROSS Anthony <[Anthony.Ross@des.qld.gov.au](mailto:Anthony.Ross@des.qld.gov.au)>

**Sent:** Thursday, 21 October 2021 8:55 AM

**To:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Cc:** ZADKOVICH Jo <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>

**Subject:** FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

**This Message Is From an External Sender**

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Hi Jon

Could you suggest a couple of suitable dates/times either late next week or the week after?

If you are on Teams this may be the most efficient approach as we have staff in both Brisbane and Maroochydore that will need to be involved. Otherwise Maroochydore will be the best meeting place.

Kind Regards



**Anthony Ross**

Principal Ranger, Technical Support

South East Queensland Region | Queensland Parks & Wildlife Service and Partnerships

Department of Environment and Science

M | Personal info or [Chat with me on Teams](#)

Mike Ahern Centre Lvl 6, 12 First Ave, MAROOCHYDORE QLD 4558

61 Bunya Street, MALENY QLD 4552

---

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Sent:** Tuesday, 19 October 2021 1:10 PM

**To:** HOFFMAN Andrew

**Cc:** Leon BEYLEVELD

**Subject:** Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Andrew,

Thanks for your time last week.

As discussed we are looking to arrange a meeting to allow us to introduce the relevant people within your department to the Borumba PHES project and to discuss approval requirements for undertaking geotechnical investigative works within Conondale National Park. I will not attempt to outline all the project elements in this email but by way of very brief summary. Borumba Pumped Hydroelectric Energy Storage (PHES) project is a 1,000 MW pumped hydropower scheme with 24 hours of generation storage available. It is an integrated energy and water security brownfield development encompassing the existing Borumba Dam as a lower reservoir.

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You mentioned that QPWS staff from the region and QPWS Land tenure staff would be appropriate to attend. We are hoping to have this meeting within the next two weeks, so if you are able to coordinate with the relevant people and propose some times which suit, we will try and lock it in.

Thanks for your assistance with this. If you have any queries please don't hesitate to get in touch.

Best regards,

**Jon Alexander**

Principal Ecologist

M 6) Personal info T +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

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Date : 22/10/2021 3:59:40 PM

From : "HAYCOCK Alison"

To : "WILLIAMS Ashley (DES)", "ZADKOVICH Jo"

Cc : "ROSS Anthony", "SMYTH Greg", "WOOLSEY David", "DODDS Glen"

Subject : RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Attachment :

image001.png;image005.png;image006.png;image008.png;image014.png;image015.png;image016.png;image017.png;image018.png;image019.png;

All some relevant background info here

[Borumba Dam Pumped Hydro: detailed design and cost analysis | Department of Energy and Public Works \(epw.qld.gov.au\).](#)

I also went to a workshop yest with DEPW to look at other sites around Qld that may be the next in line for scoping. Can discuss more next week.

Regards  
Alison

---

From: WILLIAMS Ashley (DES) <Ashley.Williams@des.qld.gov.au>

Sent: Friday, 22 October 2021 1:32 PM

To: HAYCOCK Alison; ZADKOVICH Jo

Cc: ROSS Anthony; SMYTH Greg

Subject: RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

I'm likely to be away on the 1<sup>st</sup> but will be in on the 4<sup>th</sup>.

Dave Woolsey and Glen Dodds should be invitees too, and I've added them to next week's pre-meeting meeting.

Ash

---

From: HAYCOCK Alison <[Alison.Haycock@des.qld.gov.au](mailto:Alison.Haycock@des.qld.gov.au)>

Sent: Friday, 22 October 2021 10:58 AM

To: ZADKOVICH Jo

Cc: ROSS Anthony; WILLIAMS Ashley (DES); SMYTH Greg

Subject: RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Jo

Yes happy to attend – 1<sup>st</sup> or 4<sup>th</sup> fine with me.

Would be useful if we could have a catch up about this matter between now and the meeting too – I have been involved in a couple of meetings with Dept Energy and Public Works about pumped hydro incl this project.

Alison



**Alison Haycock**

Team Leader (Resource Industry Projects)

Major Projects and Estate Management, Permissions Management

Queensland Parks and Wildlife Service & Partnerships, Department of Environment and Science

P 07 3199 7617

Level 9, 400 George Street, Brisbane

PO Box 15187, City East, QLD 4002

---

From: ZADKOVICH Jo <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>

Sent: Friday, 22 October 2021 10:17 AM

To: WILLIAMS Ashley (DES); SMYTH Greg; HAYCOCK Alison

Cc: ROSS Anthony

Subject: FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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Thanks and talk soon.  
Jo



**Jo Zadkovich**  
Acting Assistant Principal Ranger – Planning & Resilience  
Technical Support | SEQR | QPWS & Partnerships  
Department of Environment and Science  
-----  
M [6\) Personal info](#)  
Level 6, 12 First Avenue, Maroochydore QLD 4558  
[Chat with me on Teams](#)

---

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>  
**Sent:** Thursday, 21 October 2021 5:22 PM  
**To:** ROSS Anthony  
**Cc:** ZADKOVICH Jo; Leon BEYLEVELD; Rebecca POWLETT  
**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

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**Sent:** Thursday, 21 October 2021 8:55 AM  
**To:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>  
**Cc:** ZADKOVICH Jo <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>  
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**Anthony Ross**  
Principal Ranger, Technical Support  
South East Queensland Region | Queensland Parks & Wildlife Service and Partnerships  
Department of Environment and Science

MI Personal info [Chat with me on Teams](#)  
Mike Ahern Centre Lvl 6, 12 First Ave, MAROOCHYDORE QLD 4558  
61 Bunya Street, MALENY QLD 4552

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>  
**Sent:** Tuesday, 19 October 2021 1:10 PM  
**To:** HOFFMAN Andrew  
**Cc:** Leon BEYLEVELD  
**Subject:** Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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Date : 1/11/2021 4:29:10 PM

From : "Jo Zadkovich"

To : "David Woolsey" , "Alison Haycock" , "Greg Smyth" , "Anthony Ross" , "Chloe Gosling"

Cc : "Ashley Williams (DES)"

Subject : Borumba Pumped Hydro Energy Storage (PHES) Project

Attachment : image001.png;image003.png;image002.png;

Hi all,

It was good to get an overview from SMEC today. Sounds like we are aiming for March 2022 to have the initial feasibility authorities and arrangements sorted for SMEC.

Apologies, I am still a little unclear on who is doing what, however, thought it would be beneficial to briefly summarise what needs to happen. Please add to this if I left off anything important.

Initial feasibility:

- Investigate Native Title implications and advise ASAP if ILUA is required for geotechnical authority
- Investigate access authorities and potentially PTUKI if interference / ecological surveying is required
- Investigate if there is any existing road access points to proposed drill sites (QPWS to advise SMEC)
- Investigate geotechnical works authority (based on mining templates etc) and obtain the following from SMEC:
  - Drill sites GIS and confirm how flexible they are on site locations/movement (I think 50m either way of the identified location was mentioned)
  - Information on the drilling works expected to be undertaken on NP and SF tenure e.g. scale of drill site footprint, including clearing, drilling activities and machinery, spoil management and stockpiles – noting road access to some of the drill sites is highly unlikely, chopper likely the only way to get to there
  - An initial Environmental Impact Statement if possible – plus once they have more details on the scope of works etc a detailed Environmental Works Plan (considering all impacts and mitigation strategies and site rehabilitation) and Cultural Heritage Management Plan

Future requirements if feasible:

- Revocations (land offsets/compensation etc) of inundated lands (parts of Conondale NP and Yabba SF)
- Infrastructure authorities (can this infrastructure be authorised under NCA and FA or does it require leg changes?). Power station proposed to be on park but underground. No above ground infrastructure on park.

Thanks and talk soon.

Jo



**Jo Zadkovich**

Assistant Principal Ranger – Planning & Resilience  
Technical Support | SEQR | QPWS & Partnerships  
Department of Environment and Science

**M** Personal in

Level 6, 12 First Avenue, Maroochydore QLD 4558



[Chat with me on Teams](#)

Date : 1/11/2021 5:15:58 PM

From : "David Woolsey"

To : "Jo Zadkovich" , "Alison Haycock" , "Greg Smyth" , "Anthony Ross" , "Chloe Gosling"

Cc : "Ashley Williams (DES)"

Subject : RE: Borumba Pumped Hydro Energy Storage (PHES) Project

Attachment : image004.png;image005.png;image007.png;image001.png;

Thanks Jo,

I will provide some information to SMEC in the coming days about the revocation process for any impacts that are deemed not compatible with NP/SF tenures.

The proposed inundated areas would likely require revocation and outside of that I would be leaning on your good selves in the region and Alison to determine further areas in need of revocation (where there are no viable alternatives and where the activities cannot be authorised).

Given the large area they had estimated for inundation, the compensation (10:1 for NP, 5:1 for SF) could be fairly significant.

Cheers

Dave



**David Woolsey**  
A/Program Coordinator - Tenure Services  
Park Services | Queensland Parks and Wildlife Service and Partnerships  
Department of Environment and Science

-----  
Ph. 07 3330 5333  
Level 5, 400 George St, Brisbane Qld 4000  
PO Box 15187, City East QLD 4002

---

**From:** Jo Zadkovich <Jo.Zadkovich@des.qld.gov.au>

**Sent:** Monday, 1 November 2021 4:29 PM

**To:** David Woolsey; Alison Haycock; Greg Smyth; Anthony Ross; Chloe Gosling

**Cc:** Ashley Williams (DES)

**Subject:** Borumba Pumped Hydro Energy Storage (PHES) Project

Hi all,

It was good to get an overview from SMEC today. Sounds like we are aiming for March 2022 to have the initial feasibility authorities and arrangements sorted for SMEC.

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Thanks and talk soon.

Jo



**Jo Zadkovich**

Assistant Principal Ranger – Planning & Resilience

Technical Support | SEQR | QPWS & Partnerships

Department of Environment and Science

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Date : 4/11/2021 1:50:44 PM

From : "Thomas Kohut"

To : "David Woolsey"

Subject : RE: Proposed revocation of part of Conondale NP - Borumba Dam Pumped Hydro Energy Storage (PHES)

Attachment : image001.png;

Thanks for the heads up Dave. Probably not at this stage. Simply knowing how things are progressing is probably enough at this point. I guess if you could send me a copy after you send it that would be great, just so I know when things were sent, and the nature of it. If you CC me in at this stage SMEC might wonder who the heck I am as I have only dealt directly with Powerlink.

---


From: David Woolsey <David.Woolsey@des.qld.gov.au>

Sent: Thursday, 4 November 2021 1:38 PM

To: Thomas Kohut <Thomas.Kohut@coordinatorgeneral.qld.gov.au>

Subject: RE: Proposed revocation of part of Conondale NP - Borumba Dam Pumped Hydro Energy Storage (PHES)

Hi Thomas,

Just checking in about the Conondale NP  Borumba Dam PHES project.

73(2)Irrelevant

I am to send them a new copy of the revocation requirements letter that will replace the previous letter I sent to you that was addressed to Powerlink (that had some errors anyway). At the moment, it will just be a tool for familiarising SMEC with what would be required for any potential revocations to aid their scoping work (costing compensation, timeframes etc).

I will cc you in this corro. I wasn't sure whether you would normally be at these types of meetings?

Cheers

Dave



**David Woolsey**

A/Program Coordinator - Tenure Services

Park Services | Queensland Parks and Wildlife Service and Partnerships

Department of Environment and Science

Ph. 07 3330 5333

Level 5, 400 George St, Brisbane Qld 4000

PO Box 15187, City East QLD 4002

---

From: WOOLSEY David

Sent: Tuesday, 31 August 2021 9:30 AM

To: Thomas Kohut

Subject: RE: Proposed revocation of part of Conondale NP - Borumba Dam Pumped Hydro Energy Storage (PHES)

No problems Thomas, we shall wait to hear from you and go from there.

73(2)Irrelevant

Again, if there's any issues or questions just let me know.

Cheers

Dave



**David Woolsey**

A/Senior Program Officer - Tenure Services

Park Services | Queensland Parks and Wildlife Service and Partnerships

Department of Environment and Science

Ph. 07 3330 5333

Level 5, 400 George St, Brisbane Qld 4000

PO Box 15187, City East QLD 4002

---

From: Thomas Kohut <[Thomas.Kohut@coordinatorgeneral.qld.gov.au](mailto:Thomas.Kohut@coordinatorgeneral.qld.gov.au)>

Sent: Monday, 30 August 2021 5:55 PM

To: WOOLSEY David

Subject: RE: Proposed revocation of part of Conondale NP - Borumba Dam Pumped Hydro Energy Storage (PHES)

73(2)Irrelevant

Thanks again  
Kind regards Thomas

---

**From:** WOOLSEY David <[David.Woolsey@des.qld.gov.au](mailto:David.Woolsey@des.qld.gov.au)>  
**Sent:** Monday, 30 August 2021 4:21 PM  
**To:** Thomas Kohut <[Thomas.Kohut@coordinatorgeneral.qld.gov.au](mailto:Thomas.Kohut@coordinatorgeneral.qld.gov.au)>  
**Cc:** WILLIAMS Ashley (DES) <[Ashley.Williams@des.qld.gov.au](mailto:Ashley.Williams@des.qld.gov.au)>  
**Subject:** Proposed revocation of part of Conondale NP - Borumba Dam Pumped Hydro Energy Storage (PHES)

Hi Thomas,

Thanks for the call earlier. As discussed, I have attached the departmental letter for revocation of protected areas managed under the *Nature Conservation Act 1992*.

I have addressed the letter to you @ Coordinator General on behalf of Powerlink Queensland, please advise me if these details should change and I will re-address the letter. Are you also able to confirm I have the correct lot on plan in the letter (467 on NPW746)? This letter outlines the process, requirements and timeframes for a revocation of Conondale National Park to occur. I have also attached the *Operational Policy: Revocation of QPWS managed areas* which guides decision making for all proposals. The letter initially prompts a written response to requirements 1 to 4 to allow the department to progress the revocation proposal.

I understand the PHES proposal is currently in the early phases and is undergoing a detailed cost and design analysis. As discussed, the revocation process is lengthy and can take 12-18 months to be completed, therefore it is worth starting the process as early as possible.

I am available to discuss this or other revocation processes if you are uncertain. If you prefer to have a meeting and discuss, just send an invite to Ash and myself.

Cheers,  
Dave



**David Woolsey**  
A/Senior Program Officer - Tenure Services  
Park Services | Queensland Parks and Wildlife Service and Partnerships  
Department of Environment and Science

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Ph. 07 3330 5333  
Level 5, 400 George St, Brisbane Qld 4000  
PO Box 15187, City East QLD 4002

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Date : 5/11/2021 1:12:39 PM

From : "David Woolsey"

To : "'Jon ALEXANDER'"

Cc : "Leon BEYLEVELD" , "Rebecca POWLETT" , "Anthony Ross" , "Alison Haycock" , "Chloe Gosling" , "Jo Zadkovich" , "Glen Dodds" , "Ashley Williams (DES)"

Subject : RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Attachment : 211105 Revocation requirements letter - Conondale NP.pdf;QPWS Operational policy Revocation of QPWS managed areas.pdf;image002.png;image003.png;image005.png;image007.png;image009.png;image010.png;image011.png;image013.png;image004.png;image006.png;

Hi Jon and Rebecca,

As discussed on Monday, the QPWS&P Tenure Services team would manage any tenure actions that arise as a result of the project, including revocation of any areas. It's necessary to revoke areas when a proposed activity and/or its impacts are not compatible with the management principles for the relevant QPWS estate (e.g. national park, State forest). Consideration of proposed activities and their impacts against management principles is primarily over to Anthony/Jo/Chloe to advise in the first instance.

I've attached the letter we use to manage revocations that outlines the entire process and costs etc. to aid your scoping/preliminary activities. Please note the attached letter is for national park revocation and that revocation of State forest follows a very similar path, except that the compensation would be reduced to 5:1 ratio. Please don't worry too much about the due dates in the letter, these can be altered to more appropriate timeframes later on.

The QPWS revocations policy is also attached that provides guidance on how the department assesses revocation proposals.

If you want further information, just give me a call, I will try to explain.

Regards,  
Dave



**David Woolsey**  
A/Program Coordinator - Tenure Services  
Park Services | Queensland Parks and Wildlife Service and Partnerships  
Department of Environment and Science

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PO Box 15187, City East QLD 4002

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**From:** Jon ALEXANDER <Jon.Alexander@smec.com>  
**Sent:** Wednesday, 3 November 2021 9:35 AM  
**To:** Jo Zadkovich  
**Cc:** Leon BEYLEVELD; Rebecca POWLETT; Anthony Ross; Alison Haycock; David Woolsey; Chloe Gosling  
**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Thanks Jo,

Appreciate your team's time.

The breakdown below is very helpful. I will send through the details of the borehole locations later today.

Best regards,

**Jon Alexander**  
Principal Ecologist  
M +61 Personal info +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)  
832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

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**From:** Jo Zadkovich <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>  
**Sent:** Wednesday, 3 November 2021 9:03 AM  
**To:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>  
**Cc:** Leon BEYLEVELD <[Leon.Beyleveld@smec.com](mailto:Leon.Beyleveld@smec.com)>; Rebecca POWLETT <[Rebecca.Powlett@smec.com](mailto:Rebecca.Powlett@smec.com)>; Anthony Ross <[Anthony.Ross@des.qld.gov.au](mailto:Anthony.Ross@des.qld.gov.au)>; Alison Haycock <[Alison.Haycock@des.qld.gov.au](mailto:Alison.Haycock@des.qld.gov.au)>; David Woolsey <[David.Woolsey@des.qld.gov.au](mailto:David.Woolsey@des.qld.gov.au)>; Chloe Gosling <[Chloe.Gosling@des.qld.gov.au](mailto:Chloe.Gosling@des.qld.gov.au)>  
**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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Hi Jon,

Thanks for your time on Monday giving an overview of the project.

It sounds like you are aiming to have the necessary approvals to undertake geotechnical investigations by March 2022. Below are some dot points to summarise the discussion around QPWS&P requirements.

Initial feasibility:

- The project needs to consider Native Title and Cultural Heritage implications
- SMEC to investigate current permits and advise if a permit is required to access and undertake initial ecological assessments on the State Forest and National Park (PTUKI - <https://www.qld.gov.au/environment/parks/permits/science-education>)
- QPWS to investigate if there is any existing road access points to proposed drill sites and advise SMEC
- QPWS to progress a geotechnical works authority – to do this we require the following from SMEC:
  - Project brief – outlining why it is necessary to undertake the works in the NP/SF - our assessment criteria for infrastructure projects includes, no reasonable practical alternative, in the broader public's interest, ecologically sustainable, consistent with the management principles
  - Drill sites GIS and confirm how flexible you are on site locations/movement
  - Information on the drilling works expected to be undertaken on NP and SF tenure e.g. estimated scale of drill site footprint, including clearing, drilling activities and machinery, spoil management and stockpiles – noting road access to some of the drill sites is highly unlikely
  - An initial Environmental Impact Statement if possible (this can be included in the project brief or as a separate document)
  - Once final details on the scope of works etc is established QPWS require a detailed Environmental Works Plan (considering all impacts and mitigation strategies and site rehabilitation) and Cultural Heritage Management Plan

Future requirements if deemed feasible:

- Revocations (land offsets/compensation etc) of inundated lands (parts of Conondale NP and Yabba SF) – Dave Woolsey will send through some information on revocations
- Infrastructure authorities – noting that the power station is proposed to be on park but underground and that there will be no above ground infrastructure on park – Alison Haycock will be investigating this and will share more information with you

Thanks again, please contact me if you have any questions on the above.

Kind regards,  
Jo



**Jo Zadkovich**

Assistant Principal Ranger – Planning & Resilience  
Technical Support | SEQR | QPWS & Partnerships  
Department of Environment and Science

M Personal ii

Level 6, 12 First Avenue, Maroochydore QLD 4558



[Chat with me on Teams](#)

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**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Sent:** Thursday, 21 October 2021 5:22 PM

**To:** ROSS Anthony

**Cc:** ZADKOVICH Jo; Leon BEYLEVELD; Rebecca POWLETT

**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Ross,

I am anticipating that we can cover most of the key things in this initial meeting in about an hour.

In which case, how would the following work for your team:

Thursday Oct 28<sup>th</sup> – between 12 to 2pm

Monday Nov 1<sup>st</sup> – Anytime between 11am – 2pm

Thursday Nov 4<sup>th</sup> – between 12 and 2pm

We would probably do this via Teams given the geographic scatter of the likely participants.

What we are hoping to cover in the meeting is:

- Introduction to the propose project
- Context of the current stage of works
- Details of works which would require access to the National Park
- Approval requirements for those works to proceed
- Stakeholder relationships (QPWS is seen as key stakeholder in the wider project)

If you have any items you would like to see included in the meeting agenda please feel free to let me know.

Best regards,

**Jon Alexander**

Principal Ecologist

M [6\) Personal info](#) T +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

---

**From:** ROSS Anthony <[Anthony.Ross@des.qld.gov.au](mailto:Anthony.Ross@des.qld.gov.au)>

**Sent:** Thursday, 21 October 2021 8:55 AM

**To:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Cc:** ZADKOVICH Jo <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>

**Subject:** FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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Hi Jon

Could you suggest a couple of suitable dates/times either late next week or the week after?

If you are on Teams this may be the most efficient approach as we have staff in both Brisbane and Maroochydore that will need to be involved. Otherwise Maroochydore will be the best meeting place.

Kind Regards



**Anthony Ross**

Principal Ranger, Technical Support

South East Queensland Region | Queensland Parks & Wildlife Service and Partnerships

Department of Environment and Science

M [Personal info](#) or [Chat with me on Teams](#)

Mike Ahern Centre Lvl 6, 12 First Ave, MAROOCHYDORE QLD 4558

61 Bunya Street, MALENY QLD 4552

---

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Sent:** Tuesday, 19 October 2021 1:10 PM

**To:** HOFFMAN Andrew

**Cc:** Leon BEYLEVELD

**Subject:** Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Andrew,

Thanks for your time last week.

As discussed we are looking to arrange a meeting to allow us to introduce the relevant people within your department to the Borumba PHES project and to discuss approval requirements for undertaking geotechnical investigative works within Conondale National Park. I will not attempt to outline all the project elements in this email but by way of very brief summary. Borumba Pumped Hydroelectric Energy Storage (PHES) project is a 1,000 MW pumped hydropower scheme with 24 hours of generation storage available. It is an integrated energy and water security brownfield development encompassing the existing Borumba Dam as a lower reservoir.

The site was identified as a preferred site for pumped hydro with numerous studies undertaken, including a concept study completed in May 2020. To support the development of a pumped hydro facility at Borumba, front end engineering design (FEED) and detailed project analysis is required to progress the project.

Part of this detailed project analysis would involve geotechnical investigative works, some of which would need to occur in Conondale NP. It should be noted these are short term investigative works and no permanent infrastructure is required or proposed.

Items we would include on a potential agenda include (but are not limited to):

- Introduction to the propose project
- Context of the current stage of works
- Details of works which would require access to the National Park
- Approval requirements for those works to proceed
- Stakeholder relationships (QPWS is seen as key stakeholder in the wider project)

If you have any items you would like to see included in the meeting agenda please feel free to let me know.

You mentioned that QPWS staff from the region and QPWS Land tenure staff would be appropriate to attend. We are hoping to have this meeting within the next two weeks, so if you are able to coordinate with the relevant people and propose some times which suit, we will try and lock it in.



Thanks for your assistance with this. If you have any queries please don't hesitate to get in touch.

Best regards,

**Jon Alexander**

Principal Ecologist

M 6 Personal info +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

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## Revocation of QPWS managed areas

*Operational policies provide a framework for consistent application and interpretation of legislation and for the management of non-legislative matters by the Department of Environment and Science. Operational policies are not intended to be applied inflexibly in all circumstances. Individual circumstances may require a modified application of policy.*

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## Policy subject

When is it appropriate for Queensland Parks and Wildlife Service (QPWS) to approve to revoke part of a QPWS managed area, and what compensation is payable.

## Purpose

This document outlines when QPWS management make a decision about the revocation of an area of national park, conservation park, resources reserve, forest reserve, State forest and timber reserve (collectively referred to as QPWS managed areas<sup>1</sup>) may be considered, and the compensation payable for revocation actions.

## Background

QPWS is responsible for managing approximately 13 million hectares (ha) of land on behalf of the State of Queensland. These lands include national parks, conservation parks, resources reserve and forest reserves established under the *Nature Conservation Act 1992* (NCA) and State forests and timber reserves set aside under the *Forestry Act 1959* (FA).

The Department of Environment and Science (DES) has administrative responsibility to deliver tenure services associated with the NCA and the FA.

National parks, conservation parks and resources reserves are set aside in recognition of their high environmental and conservation values, and are managed in accordance with management principles that guide the types of activities that can occur within their boundaries.

State forests and timber reserves are set aside for the production of log timber and forest products, which include quarry material, protection of watersheds and soil, as well as inherent natural and environmental attributes, and may allow for ongoing grazing, recreation and tourism.

All QPWS managed areas are preserved and managed in the public interest and, in addition to their inherent natural, environmental, cultural and social values, provide for a range of public benefits, including open space, tourism, recreation and cultural pursuits.

From time to time, requests to revoke all or part of a QPWS managed area are made.

Revocation actions may be initiated by an individual, State agency or other entity for purposes including the opening of a public road, other State government purposes (for example, the creation of a rail corridor), and commercial / private purposes.

Revocation actions may also be initiated by QPWS to allow conversion from one QPWS tenure to another (for example, from State forest to conservation park) or to rectify errors in how land has been described, gazetted or used (including boundary adjustments).

## Legislation

### *Nature Conservation Act 1992*

Section 32 and 70E of the NCA establish that the Governor in Council may, by regulation, revoke the dedication of a protected area or forest reserve, in whole or in part. The regulation may be made only if the Legislative Assembly has, on a motion of which at least 28 days' notice has been given, passed a resolution requesting the Governor in Council to make the revocation.

### *Forestry Act 1959*

<sup>1</sup> Refer to 'Glossary of Terms' for definition of QPWS managed areas.

The FA establishes that the Governor in Council may, by regulation, revoke the declaration of land as a State forest in whole or part. The legislative requirements for completing the revocation vary dependent on the purpose of the revocation:

1. If the future intent of the revoked area is for tourist purposes or for use as a public road, section 32 of the FA provides that the Governor in Council may, by regulation, revoke wholly or in part the setting apart and declaration of land as a State forest; or
2. If the future purpose of the revoked area is for a reason other than that described in (1), section 26 of the FA provides that a regulation may be made only if the Legislative Assembly has, on a motion of which at least 14 days' notice has been given, passed a resolution requesting the Governor in Council to make the revocation.

Section 28 of the FA establishes that the Governor in Council may, by regulation, revoke wholly or in part the setting apart and declaration of land as a timber reserve.

## **Policy statement**

### **Revocation actions**

The revocation of a QPWS managed area will only be considered when it is: in the interests of the specific tenure, or where there is a net conservation or forest production benefit to the QPWS managed area as a result.

The revocation of a QPWS managed area may be initiated by QPWS, as the owner, or a person or another entity (the applicant) submitting an application.

An application to revoke a QPWS managed area (or part thereof) should only be made as a 'last resort' option, where no appropriate alternatives exist.

Applications to revoke a QPWS managed area may be considered by QPWS where there is a need to revoke small areas for legitimate purposes such as:

- rectifying historic errors in how land has been described, gazetted or used, including boundary adjustments;
- providing for more effective management (e.g. connectivity and access) of the QPWS managed area;
- risk mitigation and cost savings for QPWS due to incompatible infrastructure, such as a rubbish dump, that generally pre-dates the dedication or declaration of the current tenure;
- to enable land exchanges that provide for better conservation outcomes;
- where there is a mutual benefit to the State and applicant;
- to enable essential public infrastructure works to be undertaken; and
- to support delivery of a specific government commitment.

Revocations for commercial purposes will only be considered where there is no other suitable alternative site and there is a clear net conservation or net forest production benefit to QPWS and / or the Queensland Department of Agriculture and Fisheries (DAF).

Generally, requests for the revocation of QPWS managed areas for private purposes will not be considered (e.g. a request by a neighbouring property owner to realign a drive way through the area for private access or conversion of a grazing lease to freehold).

Revocation of a QPWS managed area is not appropriate simply to facilitate development, activities or impacts that would otherwise be refused on the QPWS managed area or to avoid attracting an environmental offset.

## Application of policy

This policy applies from the date of endorsement. It does not apply retrospectively to any applications, compensation agreements or decisions made, or in place, prior to the date of endorsement or where another approach is specifically provided for.

## Scope of policy

The policy does not apply to revocations of marine park or fish habitat areas. It does not apply to national parks and conservation parks that are also Indigenous Joint Management Areas; national park (Cape York Peninsula Aboriginal Land); or State plantation forest under plantation licence.

## Compensation

The revocation of a QPWS managed area (in whole or in part) may result in the loss or reduction of the inherent natural, environmental, social or cultural values associated with the area being revoked, as well as the loss of an asset to the State and commercial attributes<sup>2</sup> of the area.

Consequently, the applicant will be required to provide compensation for the loss of land, and its inherent values, resulting from an approved revocation. This is the 'land component' of compensation for a revocation, and, unless otherwise mentioned, a reference to compensation in this document, is a reference to compensation for the 'land component'.

While this policy establishes the general position and methodology for determining compensation, the requirement for compensation, is ultimately at the discretion of the Chief Executive responsible for managing that specific tenure type of the QPWS managed areas on behalf of the State.

The type and amount of compensation must be agreed to by the applicant, in writing, for the revocation to proceed. Further detail on compensation types and amounts is provided in the following paragraphs.

In addition to compensation for the 'land component', the applicant will also be required to pay compensation for additional assets and third party interests that will be lost or affected as a result of the revocation. For the purposes of this policy, these are referred to as 'other compensation components' and include compensation for the loss of any QPWS assets on the land, such as roads or built infrastructure; to third parties with an interest in the land, such as licensees and lessees; and as may be required by DAF for commercial timber, quarry material and other forest products associated with the area of land to be revoked.

## Methodology for calculating compensation – land component

### Multipliers

When calculating compensation, a multiplier ratio is applied to the land value or area (depending on the type of compensation) of the proposed revocation<sup>3</sup>. This accounts for the inherent and special attributes of QPWS managed areas, and the investments the State has made over time in acquiring and managing these areas.

Multipliers are as follows:

**Table A: Protected areas under the NCA:**

Tenure type	Ratio
National park	10:1

<sup>2</sup> For example, for QPWS managed areas under the Forestry Act, commercial attributes may include timber and quarry materials.

<sup>3</sup> The multiplier ratios are consistent with those currently endorsed and applied to resource use activities and also established in the 'Queensland Environmental Offsets Policy' (QEOP).

Conservation park	5:1
Resources reserve	5:1

**Table B: Other areas under the NCA and FA:**

Tenure type	Ratio
Forest reserve	5:1
State forest	5:1
Timber reserve	5:1

### Compensation options

Compensation may be provided as:

- (1) cash payment (preferred);
- (2) land-exchange; or
- (3) combination of (1) and (2).

A cash payment is the preferred means for providing compensation for a revocation. However, other types of compensation may be considered where they are in the interests of QPWS and provide a benefit to the State or gain inherent attributes.

#### (1) CASH PAYMENT

A cash payment is a monetary payment made to QPWS (the entity (land owner) responsible for managing these tenures) to compensate for the loss of QPWS managed areas and the inherent attributes of the land.

Cash payments are calculated by multiplying the land value of the area to be revoked by the applicable multiplier from Table A or B.

(For example, the ratio "10:1" indicates the compensation amount to be calculated at 10 times the land value. Likewise a compensation ratio "5:1" is calculated at 5 times the land value).

#### Land value

Land value (the "1" in the ratio) is to be calculated using "market value" or "highest and best value" and must be determined by a qualified valuer<sup>4</sup>.

The calculated land value should not be less than DES's departmental 'Assets Register', (the "floor price") as this identifies the asset value, of the area, to the State in its current restricted value where applicable.

#### (2) LAND EXCHANGE

A land exchange is a swap of land between the applicant or another party and the department managing these tenures.

<sup>4</sup> The multipliers are consistent with those established in the 'Queensland Environmental Offsets Policy' (QEOP) for protected areas. However, the land value for revocation of a QPWS managed area differs from that under the QEOP, which, for reasons particular to environmental offsets, uses the "average unimproved land value for that local government area". The land valuation methodology applied to resource activities currently varies depending on the scale and potential impact of the activity.

A land exchange is only appropriate where it will result in a benefit to the State or gain in QPWS managed area attributes for that tenure type.

The land offered as compensation (the compensation land) does not necessarily need to have the same land value (per hectare dollar value) as the area of land subject to the revocation, provided the aforementioned benefit is achieved.

The compensation land must:

- achieve the ratio for the land type to be revoked (i.e. 10ha of national park to be revoked will be replaced by 100ha of equivalent quality land);
- provide attributes for that tenure type equivalent to or greater than those of the area being revoked;
- provide for similar or equivalent social attributes that may be lost through the revocation (i.e. recreational, cultural and public benefits);
- be considered complementary to the QPWS managed area being affected by the revocation;
- be owned by the applicant, unencumbered and free of any third party interests, including but not necessarily limited to mining, petroleum and gas tenements and native title interests and able to be immediately progressed to a suitable QPWS managed area tenure; and
- be supported by QPWS prior to accepting the land as compensation.

Financial compensation or management / maintenance arrangements for an agreed term that addresses land condition and future land management issues—such as fencing, firebreaks or pest control—thus ensuring QPWS does not receive a financial or resource burden<sup>5</sup>, may also be required before land can be accepted as compensation.

In addition, the applicant will be required to pay all survey, administrative and revocation costs, including any administrative fees or charges incurred by DES or other government departments as part of the revocation process.

Any land provided in excess of the area required for the land exchange will not be considered as a credit against any other proposals to revoke.

### **Multiplier**

The ratio “10:1” indicates the compensation area to be calculated at 10 times the area of land proposed for revocation. Likewise a compensation ratio “5:1” is calculated at 5 times the area of land proposed to be revoked.

### **(3) COMBINATION OF CASH PAYMENT (1) AND LAND EXCHANGE (2)**

Where to the benefit of QPWS managed areas and agreed to by QPWS, compensation may be provided as a combination of land exchange and cash payment.

### **Reduced compensation requirements**

Generally, waiving of compensation requirements would not be appropriate, as in addition to the loss of inherent attributes, revocation results in the complete excision of land from QPWS managed areas and, subsequently, the total loss of the potential conservation and / or commercial benefits of the land, along with the associated public interest, cultural and social attributes.

However, a reduction in compensation requirements could be appropriate in the following circumstances:

<sup>5</sup> QPWS may also stipulate other conditions, such as pest control, rehabilitation or fencing, prior to the land being accepted as compensation.

- (i) A reduced multiplier ratio may be negotiated where, as a result of previously authorised activities or infrastructure, inherent attributes usually associated with the particular tenure of the QPWS managed area have been greatly reduced or are non-existent in the location proposed for revocation and:
  - (a) the revocation is being proposed for a community benefit with a mutual benefit to QPWS; or
  - (b) the revocation will result in a significant conservation benefit and / or a significant strategic and management advantage for QPWS;
- (ii) A land exchange of 1:1 may be negotiated where the land offered provides significant conservation gains and / or strategic and management advantage for QPWS that far exceed those of the land being revoked.

Reductions in relation to (i) would not generally apply to unauthorised activities or infrastructure, and should be applied with caution to authorised activities. There is a risk of creating a perverse incentive to impact land or establish incompatible infrastructure, deliberately reducing the attributes of the land with the view to seeking a revocation in the future.

A complete waiving of compensation requirements would only be considered where revocation of an area is necessary to rectify errors (agreed to by QPWS) in the way land has been described, gazetted or used. For example, a boundary is misaligned.

### **Calculating compensation – other components**

Compensation for other components is calculated on a case by case basis.

The value of State owned timber and quarry assets are determined by DAF.

The value of QPWS assets and infrastructure will be determined by QPWS.

The value of assets owned by a third party (such as licensees and lessees) will be determined by negotiation between the applicant with any third party.

### **Glossary of terms**

**Applicant** is the person or entity (including another Government department/s, but excluding QPWS) who makes a formal application for revocation.

**Assets Register** is the list of the fixed assets owned by DES. The land value on this register is calculated using the current tenure status, i.e. with all restrictions / encumbrances for activities and development in place. The Assets Register value must be used as the “floor price” for compensation and is available on the SAP system or from Corporate Finance.

**Benefit to the State** means the action provides a net conservation benefit or net forest production benefit (as is applicable to the particular tenure of the land subject to the revocation proposal).

**Compensation** means the compensation amount (either cash or land) to be paid by the applicant. This does not include any statutory or additional costs that may be incurred for the revocation process to proceed.

**Department** means the Queensland Government department, current or former, with responsibility for the QPWS managed area.

**Development** means land supporting or for the purpose of supporting infrastructure, including road and rail.

**Floor price** is the lowest land value price that will be accepted for compensation. This is determined by the Assets Register.

**Land value** is the value of the land using a specific type of methodology.



**Market value** this is the highest and best land value methodology and is a reflection of what the land will become without any encumbrances and restrictions.

**Multiplier** means the ratio component that is multiplied to the value figure (as determined by using one of the methodologies above) to provide a QPWS value for that area. For example, ten times the land value (10:1) as is the case for national park tenure. If the value of the land is calculated at \$50 per hectare, when incorporating the multiplier of 10:1 the QPWS intrinsic value becomes \$500 per hectare. If the land area to be revoked is 3 hectares at a value of \$500/ha the compensation amount payable to QPWS is \$1500.

**QPWS managed area** includes:

- protected area tenure, including forest reserves, under the *Nature Conservation Act 1992*; and
- State forests and timber reserves under the *Forestry Act 1959*.

**Protected area tenure** (for the purpose of this policy) is further defined as any of the following classes of protected area defined under the *Nature Conservation Act 1992*:

- national park;
- conservation park; and
- resources reserve.

**Revoke** means repealing the dedication of all or part of the land tenure under the *Nature Conservation Act 1992* and / or repealing the declaration of all or part of the land tenure under the *Forestry Act 1959*.

## Abbreviations

**DAF** is the Department of Agriculture and Fisheries

**DES** is the Department of Environment and Science

**FA** is the *Forestry Act 1959*

**LGA** is a Local Government Area

**NCA** is the *Nature Conservation Act 1992*

**QEOP** is the Queensland Environmental Offset Policy

**QPWS** is the Queensland Parks and Wildlife Service, a division of DES

## Relevant legislation

*Forestry Act 1959*

*Nature Conservation Act 1992*

**Disclaimer**

While this document has been prepared with care it contains general information and does not profess to offer legal, professional or commercial advice. The Queensland Government accepts no liability for any external decisions or actions taken on the basis of this document. Persons external to the Department of Environment and Science should satisfy themselves independently and by consulting their own professional advisors before embarking on any proposed course of action.

**Approved By**

Ben Klaassen

Signature

3 October 2014

Date

Deputy Director-General  
Queensland Parks and Wildlife Service

**Enquiries:**  
Major Projects and Estate Management Unit  
Email: [QPWS.Estate@des.qld.edu.au](mailto:QPWS.Estate@des.qld.edu.au)

Published on DES  
Disclosure Log  
RTI Act 2009

Date : 5/11/2021 1:12:42 PM

From : "David Woolsey"

To : "Jon ALEXANDER"

Cc : "Leon BEYLEVELD" , "Rebecca POWLETT" , "Anthony Ross" , "Alison Haycock" , "Chloe Gosling" , "Jo Zadkovich" , "Glen Dodds" , "Ashley Williams (DES)"

Subject : RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Attachment : 211105 Revocation requirements letter - Conondale NP.pdf;QPWS Operational policy Revocation of QPWS managed areas.pdf;image002.png;image003.png;image005.png;image007.png;image009.png;image010.png;image011.png;image013.png;image004.png;image006.png;

Hi Jon and Rebecca,

As discussed on Monday, the QPWS&P Tenure Services team would manage any tenure actions that arise as a result of the project, including revocation of any areas. It's necessary to revoke areas when a proposed activity and/or its impacts are not compatible with the management principles for the relevant QPWS estate (e.g. national park, State forest). Consideration of proposed activities and their impacts against management principles is primarily over to Anthony/Jo/Chloe to advise in the first instance.

I've attached the letter we use to manage revocations that outlines the entire process and costs etc. to aid your scoping/preliminary activities. Please note the attached letter is for national park revocation and that revocation of State forest follows a very similar path, except that the compensation would be reduced to 5:1 ratio. Please don't worry too much about the due dates in the letter, these can be altered to more appropriate timeframes later on.

The QPWS revocations policy is also attached that provides guidance on how the department assesses revocation proposals.

If you want further information, just give me a call, I will try to explain.

Regards,  
Dave



**David Woolsey**  
A/Program Coordinator - Tenure Services  
Park Services | Queensland Parks and Wildlife Service and Partnerships  
Department of Environment and Science

Ph. 07 3330 5333  
Level 5, 400 George St, Brisbane Qld 4000  
PO Box 15187, City East QLD 4002

---

**From:** Jon ALEXANDER <Jon.Alexander@smec.com>  
**Sent:** Wednesday, 3 November 2021 9:35 AM  
**To:** Jo Zadkovich  
**Cc:** Leon BEYLEVELD; Rebecca POWLETT; Anthony Ross; Alison Haycock; David Woolsey; Chloe Gosling  
**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Thanks Jo,

Appreciate your team's time.

The breakdown below is very helpful. I will send through the details of the borehole locations later today.

Best regards,

**Jon Alexander**  
Principal Ecologist  
M [61 7 5578 0250](tel:+61755780250) E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)  
832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

---

**From:** Jo Zadkovich <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>  
**Sent:** Wednesday, 3 November 2021 9:03 AM  
**To:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>  
**Cc:** Leon BEYLEVELD <[Leon.Beyleveld@smec.com](mailto:Leon.Beyleveld@smec.com)>; Rebecca POWLETT <[Rebecca.Powlett@smec.com](mailto:Rebecca.Powlett@smec.com)>; Anthony Ross <[Anthony.Ross@des.qld.gov.au](mailto:Anthony.Ross@des.qld.gov.au)>; Alison Haycock <[Alison.Haycock@des.qld.gov.au](mailto:Alison.Haycock@des.qld.gov.au)>; David Woolsey <[David.Woolsey@des.qld.gov.au](mailto:David.Woolsey@des.qld.gov.au)>; Chloe Gosling <[Chloe.Gosling@des.qld.gov.au](mailto:Chloe.Gosling@des.qld.gov.au)>  
**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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Hi Jon,

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It sounds like you are aiming to have the necessary approvals to undertake geotechnical investigations by March 2022. Below are some dot points to summarise the discussion around QPWS&P requirements.

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- The project needs to consider Native Title and Cultural Heritage implications
- SMEC to investigate current permits and advise if a permit is required to access and undertake initial ecological assessments on the State Forest and National Park (PTUKI - <https://www.qld.gov.au/environment/parks/permits/science-education>)
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- QPWS to progress a geotechnical works authority – to do this we require the following from SMEC:
  - Project brief – outlining why it is necessary to undertake the works in the NP/SF - our assessment criteria for infrastructure projects includes , no reasonable practical alternative, in the broader public’s interest, ecologically sustainable, consistent with the management principles
  - Drill sites GIS and confirm how flexible you are on site locations/movement
  - Information on the drilling works expected to be undertaken on NP and SF tenure e.g. estimated scale of drill site footprint, including clearing, drilling activities and machinery, spoil management and stockpiles – noting road access to some of the drill sites is highly unlikely
  - An initial Environmental Impact Statement if possible (this can be included in the project brief or as a separate document)
  - Once final details on the scope of works etc is established QPWS require a detailed Environmental Works Plan (considering all impacts and mitigation strategies and site rehabilitation) and Cultural Heritage Management Plan

Future requirements if deemed feasible:

- Revocations (land offsets/compensation etc) of inundated lands (parts of Conondale NP and Yabba SF) – Dave Woolsey will send through some information on revocations
- Infrastructure authorities – noting that the power station is proposed to be on park but underground and that there will be no above ground infrastructure on park – Alison Haycock will be investigating this and will share more information with you

Thanks again, please contact me if you have any questions on the above.

Kind regards,  
Jo



**Jo Zadkovich**

Assistant Principal Ranger – Planning & Resilience  
Technical Support | SEQR | QPWS & Partnerships  
Department of Environment and Science

M) Personal in

Level 6, 12 First Avenue, Maroochydore QLD 4558



[Chat with me on Teams](#)

---

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Sent:** Thursday, 21 October 2021 5:22 PM

**To:** ROSS Anthony

**Cc:** ZADKOVICH Jo; Leon BEYLEVELD; Rebecca POWLETT

**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Ross,

I am anticipating that we can cover most of the key things in this initial meeting in about an hour.

In which case, how would the following work for your team:

Thursday Oct 28<sup>th</sup> – between 12 to 2pm

Monday Nov 1<sup>st</sup>– Anytime between 11am – 2pm

Thursday Nov 4<sup>th</sup> – between 12 and 2pm

We would probably do this via Teams given the geographic scatter of the likely participants.

What we are hoping to cover in the meeting is:

- Introduction to the propose project
- Context of the current stage of works
- Details of works which would require access to the National Park
- Approval requirements for those works to proceed
- Stakeholder relationships (QPWS is seen as key stakeholder in the wider project)

If you have any items you would like to see included in the meeting agenda please feel free to let me know.

Best regards,

**Jon Alexander**

Principal Ecologist

M [Personal info](#) +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

---

**From:** ROSS Anthony <[Anthony.Ross@des.qld.gov.au](mailto:Anthony.Ross@des.qld.gov.au)>

**Sent:** Thursday, 21 October 2021 8:55 AM

**To:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Cc:** ZADKOVICH Jo <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>

**Subject:** FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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Hi Jon

Could you suggest a couple of suitable dates/times either late next week or the week after?

If you are on Teams this may be the most efficient approach as we have staff in both Brisbane and Maroochydore that will need to be involved. Otherwise Maroochydore will be the best meeting place.

Kind Regards



**Anthony Ross**

Principal Ranger, Technical Support

South East Queensland Region | Queensland Parks & Wildlife Service and Partnerships

Department of Environment and Science

M [Personal info](#) or [Chat with me on Teams](#)

Mike Ahern Centre Lvl 6, 12 First Ave, MAROOCHYDORE QLD 4558

61 Bunya Street, MALENY QLD 4552

---

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Sent:** Tuesday, 19 October 2021 1:10 PM

**To:** HOFFMAN Andrew

**Cc:** Leon BEYLEVELD

**Subject:** Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Andrew,

Thanks for your time last week.

As discussed we are looking to arrange a meeting to allow us to introduce the relevant people within your department to the Borumba PHES project and to discuss approval requirements for undertaking geotechnical investigative works within Conondale National Park. I will not attempt to outline all the project elements in this email but by way of very brief summary. Borumba Pumped Hydroelectric Energy Storage (PHES) project is a 1,000 MW pumped hydropower scheme with 24 hours of generation storage available. It is an integrated energy and water security brownfield development encompassing the existing Borumba Dam as a lower reservoir.

The site was identified as a preferred site for pumped hydro with numerous studies undertaken, including a concept study completed in May 2020. To support the development of a pumped hydro facility at Borumba, front end engineering design (FEED) and detailed project analysis is required to progress the project.

Part of this detailed project analysis would involve geotechnical investigative works, some of which would need to occur in Conondale NP. It should be noted these are short term investigative works and no permanent infrastructure is required or proposed.

Items we would include on a potential agenda include (but are not limited to):

- Introduction to the propose project
- Context of the current stage of works
- Details of works which would require access to the National Park
- Approval requirements for those works to proceed
- Stakeholder relationships (QPWS is seen as key stakeholder in the wider project)

If you have any items you would like to see included in the meeting agenda please feel free to let me know.

You mentioned that QPWS staff from the region and QPWS Land tenure staff would be appropriate to attend. We are hoping to have this meeting within the next two weeks, so if you are able to coordinate with the relevant people and propose some times which suit, we will try and lock it in.

Thanks for your assistance with this. If you have any queries please don't hesitate to get in touch.

Best regards,

**Jon Alexander**

Principal Ecologist

M  Personal info +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

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Disclosure Log  
RTI Act 2009

Date : 5/11/2021 1:24:17 PM

From : "Ashley Williams (DES)"

To : "David Woolsey"

Subject : RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Attachment :

image001.png;image003.png;image008.png;image012.png;image014.png;image015.png;image016.png;image017.png;image018.png;image019.png;

Great!

---

From: David Woolsey <David.Woolsey@des.qld.gov.au>

Sent: Friday, 5 November 2021 1:13 PM

To: Jon ALEXANDER

Cc: Leon BEYLEVELD; Rebecca POWLETT; Anthony Ross; Alison Haycock; Chloe Gosling; Jo Zadkovich; Glen Dodds; Ashley Williams (DES)

Subject: RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Jon and Rebecca,

As discussed on Monday, the QPWS&P Tenure Services team would manage any tenure actions that arise as a result of the project, including revocation of any areas. It's necessary to revoke areas when a proposed activity and/or its impacts are not compatible with the management principles for the relevant QPWS estate (e.g. national park, State forest). Consideration of proposed activities and their impacts against management principles is primarily over to Anthony/Jo/Chloe to advise in the first instance.

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If you want further information, just give me a call, I will try to explain.

Regards,

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**David Woolsey**

A/Program Coordinator - Tenure Services  
Park Services | Queensland Parks and Wildlife Service and Partnerships  
Department of Environment and Science

Ph. 07 3330 5333  
Level 5, 400 George St, Brisbane Qld 4000  
PO Box 15187, City East QLD 4002

---

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Best regards,

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Principal Ecologist

M [+61 7 5578 0250](tel:+61755780250) E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

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Sent: Wednesday, 3 November 2021 9:03 AM

To: Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

Cc: Leon BEYLEVELD <[Leon.Beyleveld@smec.com](mailto:Leon.Beyleveld@smec.com)>; Rebecca POWLETT <[Rebecca.Powlett@smec.com](mailto:Rebecca.Powlett@smec.com)>; Anthony Ross <[Anthony.Ross@des.qld.gov.au](mailto:Anthony.Ross@des.qld.gov.au)>; Alison Haycock <[Alison.Haycock@des.qld.gov.au](mailto:Alison.Haycock@des.qld.gov.au)>; David Woolsey <[David.Woolsey@des.qld.gov.au](mailto:David.Woolsey@des.qld.gov.au)>; Chloe Gosling <[Chloe.Gosling@des.qld.gov.au](mailto:Chloe.Gosling@des.qld.gov.au)>

Subject: RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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**Jo Zadkovich**

Assistant Principal Ranger – Planning & Resilience  
Technical Support | SEQR | QPWS & Partnerships  
Department of Environment and Science

M) Personal in

Level 6, 12 First Avenue, Maroochydore QLD 4558



[Chat with me on Teams](#)

---

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Sent:** Thursday, 21 October 2021 5:22 PM

**To:** ROSS Anthony

**Cc:** ZADKOVICH Jo; Leon BEYLEVELD; Rebecca POWLETT

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Principal Ecologist

M [Personal info](#) T +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

**From:** ROSS Anthony <[Anthony.Ross@des.qld.gov.au](mailto:Anthony.Ross@des.qld.gov.au)>

**Sent:** Thursday, 21 October 2021 8:55 AM

**To:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Cc:** ZADKOVICH Jo <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>

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Kind Regards



**Anthony Ross**

Principal Ranger, Technical Support

South East Queensland Region | Queensland Parks & Wildlife Service and Partnerships

Department of Environment and Science

M [Personal info](#) or [Chat with me on Teams](#)

Mike Ahern Centre Lvl 6, 12 First Ave, MAROOCHYDORE QLD 4558

61 Bunya Street, MALENY QLD 4552

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Sent:** Tuesday, 19 October 2021 1:10 PM

**To:** HOFFMAN Andrew

**Cc:** Leon BEYLEVELD

**Subject:** Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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Best regards,

**Jon Alexander**

Principal Ecologist

M  **Personal info** T +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

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Member of the Surbana Jurong Group

SMEC acknowledges the Traditional Custodians of Country throughout Australia and their connections to land, sea and community. We pay our respect to their elders past, present and emerging and extend that respect to all First Nations peoples today.

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Date : 5/11/2021 1:33:17 PM

From : "Ashley Williams (DES)"

To : "David Woolsey"

Subject : RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Attachment :

image004.png;image006.png;image013.png;image014.png;image015.png;image016.png;image017.png;image018.png;image019.png;image020.png;

Kicking it out of the park.

---

From: David Woolsey <David.Woolsey@des.qld.gov.au>

Sent: Friday, 5 November 2021 1:33 PM

To: Ashley Williams (DES)

Subject: RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Killing it

---

From: Ashley Williams (DES) <Ashley.Williams@des.qld.gov.au>

Sent: Friday, 5 November 2021 1:24 PM

To: David Woolsey

Subject: RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Great!

---

From: David Woolsey <David.Woolsey@des.qld.gov.au>

Sent: Friday, 5 November 2021 1:13 PM

To: Jon ALEXANDER

Cc: Leon BEYLEVELD; Rebecca POWLETT; Anthony Ross; Alison Haycock; Chloe Gosling; Jo Zadkovich; Glen Dodds; Ashley Williams (DES)

Subject: RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Jon and Rebecca,

As discussed on Monday, the QPWS&P Tenure Services team would manage any tenure actions that arise as a result of the project, including revocation of any areas. It's necessary to revoke areas when a proposed activity and/or its impacts are not compatible with the management principles for the relevant QPWS estate (e.g. national park, State forest). Consideration of proposed activities and their impacts against management principles is primarily over to Anthony/Jo/Chloe to advise in the first instance.

I've attached the letter we use to manage revocations that outlines the entire process and costs etc. to aid your scoping/preliminary activities. Please note the attached letter is for national park revocation and that revocation of State forest follows a very similar path, except that the compensation would be reduced to 5:1 ratio. Please don't worry too much about the due dates in the letter, these can be altered to more appropriate timeframes later on.

The QPWS revocations policy is also attached that provides guidance on how the department assesses revocation proposals.

If you want further information, just give me a call, I will try to explain.

Regards,

Dave



**David Woolsey**

A/Program Coordinator - Tenure Services

Park Services | Queensland Parks and Wildlife Service and Partnerships

Department of Environment and Science

-----  
Ph. 07 3330 5333

Level 5, 400 George St, Brisbane Qld 4000

PO Box 15187, City East QLD 4002

---

From: Jon ALEXANDER <Jon.Alexander@smec.com>

Sent: Wednesday, 3 November 2021 9:35 AM

To: Jo Zadkovich

Cc: Leon BEYLEVELD; Rebecca POWLETT; Anthony Ross; Alison Haycock; David Woolsey; Chloe Gosling

Subject: RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Thanks Jo,

Appreciate your team's time.

The breakdown below is very helpful. I will send through the details of the borehole locations later today.

Best regards,

**Jon Alexander**

Principal Ecologist

M (6) Personal info +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)  
832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

---

**From:** Jo Zadkovich <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>

**Sent:** Wednesday, 3 November 2021 9:03 AM

**To:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Cc:** Leon BEYLEVELD <[Leon.Beyleveld@smec.com](mailto:Leon.Beyleveld@smec.com)>; Rebecca POWLETT <[Rebecca.Powlett@smec.com](mailto:Rebecca.Powlett@smec.com)>; Anthony Ross <[Anthony.Ross@des.qld.gov.au](mailto:Anthony.Ross@des.qld.gov.au)>; Alison Haycock <[Alison.Haycock@des.qld.gov.au](mailto:Alison.Haycock@des.qld.gov.au)>; David Woolsey <[David.Woolsey@des.qld.gov.au](mailto:David.Woolsey@des.qld.gov.au)>; Chloe Gosling <[Chloe.Gosling@des.qld.gov.au](mailto:Chloe.Gosling@des.qld.gov.au)>

**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

**This Message Is From an External Sender**

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Hi Jon,

Thanks for your time on Monday giving an overview of the project.

It sounds like you are aiming to have the necessary approvals to undertake geotechnical investigations by March 2022. Below are some dot points to summarise the discussion around QPWS&P requirements.

Initial feasibility:

- The project needs to consider Native Title and Cultural Heritage implications
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- QPWS to investigate if there is any existing road access points to proposed drill sites and advise SMEC
- QPWS to progress a geotechnical works authority – to do this we require the following from SMEC:
  - Project brief – outlining why it is necessary to undertake the works in the NP/SF - our assessment criteria for infrastructure projects includes , no reasonable practical alternative, in the broader public's interest, ecologically sustainable, consistent with the management principles
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  - Information on the drilling works expected to be undertaken on NP and SF tenure e.g. estimated scale of drill site footprint, including clearing, drilling activities and machinery, spoil management and stockpiles – noting road access to some of the drill sites is highly unlikely
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  - Once final details on the scope of works etc is established QPWS require a detailed Environmental Works Plan (considering all impacts and mitigation strategies and site rehabilitation) and Cultural Heritage Management Plan

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- Infrastructure authorities – noting that the power station is proposed to be on park but underground and that there will be no above ground infrastructure on park – Alison Haycock will be investigating this and will share more information with you

Thanks again, please contact me if you have any questions on the above.

Kind regards,

Jo



**Jo Zadkovich**

Assistant Principal Ranger – Planning & Resilience

Technical Support | SEQR | QPWS & Partnerships

Department of Environment and Science

M (6) Personal info

Level 6, 12 First Avenue, Maroochydore QLD 4558

[Chat with me on Teams](#)

---

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Sent:** Thursday, 21 October 2021 5:22 PM

**To:** ROSS Anthony

**Cc:** ZADKOVICH Jo; Leon BEYLEVELD; Rebecca POWLETT

**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Ross,

I am anticipating that we can cover most of the key things in this initial meeting in about an hour.

In which case, how would the following work for your team:

Thursday Oct 28<sup>th</sup> – between 12 to 2pm

Monday Nov 1<sup>st</sup>– Anytime between 11am – 2pm

Thursday Nov 4<sup>th</sup> – between 12 and 2pm

We would probably do this via Teams given the geographic scatter of the likely participants.

What we are hoping to cover in the meeting is:

- Introduction to the propose project
- Context of the current stage of works
- Details of works which would require access to the National Park
- Approval requirements for those works to proceed
- Stakeholder relationships (QPWS is seen as key stakeholder in the wider project)

If you have any items you would like to see included in the meeting agenda please feel free to let me know.

Best regards,

**Jon Alexander**

Principal Ecologist

M  +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)  
832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

---

**From:** ROSS Anthony <[Anthony.Ross@des.qld.gov.au](mailto:Anthony.Ross@des.qld.gov.au)>

**Sent:** Thursday, 21 October 2021 8:55 AM

**To:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Cc:** ZADKOVICH Jo <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>

**Subject:** FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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Hi Jon

Could you suggest a couple of suitable dates/times either late next week or the week after?

If you are on Teams this may be the most efficient approach as we have staff in both Brisbane and Maroochydore that will need to be involved. Otherwise Maroochydore will be the best meeting place.

Kind Regards



**Anthony Ross**

Principal Ranger, Technical Support

South East Queensland Region | Queensland Parks & Wildlife Service and Partnerships

Department of Environment and Science

M  or [Chat with me on Teams](#)

Mike Ahern Centre Lvl 6, 12 First Ave, MAROOCHYDORE QLD 4558

61 Bunya Street, MALENY QLD 4552

---

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Sent:** Tuesday, 19 October 2021 1:10 PM

**To:** HOFFMAN Andrew

**Cc:** Leon BEYLEVELD

**Subject:** Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Andrew,

Thanks for your time last week.

As discussed we are looking to arrange a meeting to allow us to introduce the relevant people within your department to the Borumba PHES project and to discuss approval requirements for undertaking geotechnical investigative works within Conondale National Park. I will not attempt to outline all the project elements in this email but by way of very brief summary. Borumba Pumped Hydroelectric Energy Storage (PHES) project is a 1,000 MW pumped hydropower scheme with 24 hours of generation storage available. It is an integrated energy and water security brownfield development encompassing the existing Borumba Dam as a lower reservoir.

The site was identified as a preferred site for pumped hydro with numerous studies undertaken, including a concept study completed in May 2020. To support the development of a pumped hydro facility at Borumba, front end engineering design (FEED) and detailed project analysis is required to progress the project.

Part of this detailed project analysis would involve geotechnical investigative works, some of which would need to occur in Conondale NP. It should be noted these are short term investigative works and no permanent infrastructure is required or proposed.

Items we would include on a potential agenda include (but are not limited to):

- Introduction to the propose project
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- Details of works which would require access to the National Park
- Approval requirements for those works to proceed
- Stakeholder relationships (QPWS is seen as key stakeholder in the wider project)

If you have any items you would like to see included in the meeting agenda please feel free to let me know.

You mentioned that QPWS staff from the region and QPWS Land tenure staff would be appropriate to attend. We are hoping to have this meeting within the next two weeks, so if you are able to coordinate with the relevant people and propose some times which suit, we will try and lock it in.

Thanks for your assistance with this. If you have any queries please don't hesitate to get in touch.

Best regards,

**Jon Alexander**

Principal Ecologist

M +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

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Date : 11/11/2021 12:14:10 PM

From : "Jon ALEXANDER"

To : "David Woolsey"

Subject : RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Attachment :

image005.png;image006.png;image007.png;image008.png;image009.png;image010.png;image011.png;image013.png;image014.png;image015.png;

Thanks David.

Very helpful.

Best regards,

**Jon Alexander**

Principal Ecologist

M [61 Personal info](tel:+61755780250) +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

---

**From:** David Woolsey <David.Woolsey@des.qld.gov.au>

**Sent:** Thursday, 11 November 2021 11:56 AM

**To:** Jon ALEXANDER <Jon.Alexander@smec.com>

**Cc:** Leon BEYLEVELD <Leon.Beyleveld@smec.com>; Rebecca POWLETT <Rebecca.Powlett@smec.com>; Chloe Gosling <Chloe.Gosling@des.qld.gov.au>; Jo Zadkovich <Jo.Zadkovich@des.qld.gov.au>; Pat Hanslow <Pat.Hanslow@des.qld.gov.au>

**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

**This Message Is From an External Sender**

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Gday Jon,

I just had a quick chat with our cartographer about the Conondale National Park and Imbil State Forest boundaries surrounding Borumba Dam, that we just discussed on the phone.

My advice that the boundary on the plans is the point of truth (and the DCDB is built from the plan) still stands. Additionally though, I thought it was worth sharing that the internal water boundaries on our plans (NPW746 and FTY1911) were based entirely off the plan for the dam (LX2359) which was completed by a licensed surveyor (and therefore outranks our plans as per Dep. Of Resources standards). I don't believe LX2359 was surveyed on ground though, just compiled from desktop by the surveyor.

Cheers

Dave



**David Woolsey**

A/Program Coordinator - Tenure Services

Park Services | Queensland Parks and Wildlife Service and Partnerships

Department of Environment and Science

Ph. 07 3330 5333

Level 5, 400 George St, Brisbane Qld 4000

PO Box 15187, City East QLD 4002

---

**From:** David Woolsey

**Sent:** Friday, 5 November 2021 1:13 PM

**To:** 'Jon ALEXANDER'

**Cc:** Leon BEYLEVELD; Rebecca POWLETT; Anthony Ross; Alison Haycock; Chloe Gosling; Jo Zadkovich; Glen Dodds; Ashley Williams (DES)

**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Jon and Rebecca,

As discussed on Monday, the QPWS&P Tenure Services team would manage any tenure actions that arise as a result of the project, including revocation of any areas. It's necessary to revoke areas when a proposed activity and/or its impacts are not compatible with the management principles for the relevant QPWS estate (e.g. national park, State forest). Consideration of proposed activities and their impacts against management principles is primarily over to Anthony/Jo/Chloe to advise in the first instance.

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If you want further information, just give me a call, I will try to explain.

Regards,

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Department of Environment and Science



Ph. 07 3330 5333  
Level 5, 400 George St, Brisbane Qld 4000  
PO Box 15187, City East QLD 4002

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>  
**Sent:** Wednesday, 3 November 2021 9:35 AM  
**To:** Jo Zadkovich  
**Cc:** Leon BEYLEVELD; Rebecca POWLETT; Anthony Ross; Alison Haycock; David Woolsey; Chloe Gosling  
**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Thanks Jo,

Appreciate your team's time.

The breakdown below is very helpful. I will send through the details of the borehole locations later today.

Best regards,

**Jon Alexander**  
Principal Ecologist  
M Personal in T +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)  
832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

**From:** Jo Zadkovich <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>  
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**To:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>  
**Cc:** Leon BEYLEVELD <[Leon.Beyleveld@smec.com](mailto:Leon.Beyleveld@smec.com)>; Rebecca POWLETT <[Rebecca.Powlett@smec.com](mailto:Rebecca.Powlett@smec.com)>; Anthony Ross <[Anthony.Ross@des.qld.gov.au](mailto:Anthony.Ross@des.qld.gov.au)>; Alison Haycock <[Alison.Haycock@des.qld.gov.au](mailto:Alison.Haycock@des.qld.gov.au)>; David Woolsey <[David.Woolsey@des.qld.gov.au](mailto:David.Woolsey@des.qld.gov.au)>; Chloe Gosling <[Chloe.Gosling@des.qld.gov.au](mailto:Chloe.Gosling@des.qld.gov.au)>  
**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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Thanks again, please contact me if you have any questions on the above.

Kind regards,

Jo



**Jo Zadkovich**  
Assistant Principal Ranger Planning & Resilience  
Technical Support | SEQR | QPWS & Partnerships  
Department of Environment and Science  
M Personal in  
Level 6, 12 First Avenue, Maroochydore QLD 4558  
[Chat with me on Teams](#)

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>



**Sent:** Thursday, 21 October 2021 5:22 PM  
**To:** ROSS Anthony  
**Cc:** ZADKOVICH Jo; Leon BEYLEVELD; Rebecca POWLETT  
**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Ross,

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In which case, how would the following work for your team:

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Best regards,

**Jon Alexander**  
Principal Ecologist  
M +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)  
832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

---

**From:** ROSS Anthony <[Anthony.Ross@des.qld.gov.au](mailto:Anthony.Ross@des.qld.gov.au)>  
**Sent:** Thursday, 21 October 2021 8:55 AM  
**To:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>  
**Cc:** ZADKOVICH Jo <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>  
**Subject:** FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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Hi Jon

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Kind Regards



**Anthony Ross**  
Principal Ranger, Technical Support  
South East Queensland Region | Queensland Parks & Wildlife Service and Partnerships  
Department of Environment and Science  
M [redacted] or [Chat with me on Teams](#)  
M [redacted] ntre Lvl 6, 12 First Ave, MAROOCHYDORE QLD 4558  
61 Bunya Street, MALENY QLD 4552

---

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>  
**Sent:** Tuesday, 19 October 2021 1:10 PM  
**To:** HOFFMAN Andrew  
**Cc:** Leon BEYLEVELD  
**Subject:** Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Andrew,

Thanks for your time last week.

As discussed we are looking to arrange a meeting to allow us to introduce the relevant people within your department to the Borumba PHES project and to discuss approval requirements for undertaking geotechnical investigative works within Conondale National Park. I will not attempt to outline all the project elements in this email but by way of very brief summary. Borumba Pumped Hydroelectric Energy Storage (PHES) project is a 1,000 MW pumped hydropower scheme with 24 hours of generation storage available. It is an integrated energy and water security brownfield development encompassing the existing Borumba Dam as a lower reservoir.

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Thanks for your assistance with this. If you have any queries please don't hesitate to get in touch.

Best regards,

**Jon Alexander**

Principal Ecologist

M  Personal in  +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

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SMEC acknowledges the Traditional Custodians of Country throughout Australia and their connections to land, sea and community. We pay our respect to their elders past, present and emerging and extend that respect to all First Nations peoples today.

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-----

**Date : 28/10/2021 2:54:32 PM**

**From : "Jon ALEXANDER"**

**To : "Glen Dodds"**

**Subject : FW: Borumba Pumped Hydro Introductory meeting**

Glen Dodds to attend in Ashley William's absence.

-----Original Appointment-----

**From:** Jon ALEXANDER <Jon.Alexander@smec.com>

**Sent:** Monday, 25 October 2021 11:36 AM

**To:** Jon ALEXANDER; Alison Haycock; Ashley Williams (DES); David Woolsey; Greg Smyth; Chloe Gosling; Leon BEYLEVELD; Jo Zadkovich; Anthony Ross; Rebecca POWLETT

**Subject:** Borumba Pumped Hydro Introductory meeting

**When:** Monday, 1 November 2021 11:30 AM-12:30 PM (UTC+10:00) Brisbane.

**Where:** Microsoft Teams Meeting

As per the email –

They are hoping to cover in the meeting is:

- Introduction to the propose project
- Context of the current stage of works
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If you have any items you would like to see included in the meeting agenda please feel free to let me know.

-----Original Appointment-----

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Sent:** Monday, 25 October 2021 9:46 AM

**To:** Jon ALEXANDER; Leon BEYLEVELD; Jo Zadkovich; Anthony Ross; Rebecca POWLETT

**Subject:** Borumba Pumped Hydro Introductory meeting

**When:** Monday, 1 November 2021 11:30 AM-12:30 PM (UTC+10:00) Brisbane.

**Where:** Microsoft Teams Meeting

Hi Jo/Ross,

Please pass this invite on to whoever you feel needs to be involved.

Best regards.

Jon Alexander

---

## Microsoft Teams meeting

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[Learn More](#) | [Meeting options](#)

---

Date : 3/11/2021 9:08:10 AM

From : "David Woolsey"

To : "Glen Dodds"

Subject : FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Attachment :

image001.png;image003.png;image004.png;image005.png;image006.png;image007.png;image009.png;image002.png;image010.png;  
FYI, outcomes from Mondays meeting

---

From: Jo Zadkovich <Jo.Zadkovich@des.qld.gov.au>

Sent: Wednesday, 3 November 2021 9:03 AM

To: Jon ALEXANDER

Cc: Leon BEYLEVELD; Rebecca POWLETT; Anthony Ross; Alison Haycock; David Woolsey; Chloe Gosling

Subject: RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Jon,

Thanks for your time on Monday giving an overview of the project.

It sounds like you are aiming to have the necessary approvals to undertake geotechnical investigations by March 2022. Below are some dot points to summarise the discussion around QPWS&P requirements.

Initial feasibility:

- The project needs to consider Native Title and Cultural Heritage implications
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  - Project brief – outlining why it is necessary to undertake the works in the NP/SF - our assessment criteria for infrastructure projects includes , no reasonable practical alternative, in the broader public's interest, ecologically sustainable, consistent with the management principles
  - Drill sites GIS and confirm how flexible you are on site locations/movement
  - Information on the drilling works expected to be undertaken on NP and SF tenure e.g. estimated scale of drill site footprint, including clearing, drilling activities and machinery, spoil management and stockpiles – noting road access to some of the drill sites is highly unlikely
  - An initial Environmental Impact Statement if possible (this can be included in the project brief or as a separate document)
  - Once final details on the scope of works etc is established QPWS require a detailed Environmental Works Plan (considering all impacts and mitigation strategies and site rehabilitation) and Cultural Heritage Management Plan

Future requirements if deemed feasible:

- Revocations (land offsets/compensation etc) of inundated lands (parts of Conondale NP and Yabba SF) – Dave Woolsey will send through some information on revocations
- Infrastructure authorities – noting that the power station is proposed to be on park but underground and that there will be no above ground infrastructure on park – Alison Haycock will be investigating this and will share more information with you

Thanks again, please contact me if you have any questions on the above.

Kind regards,

Jo



**Jo Zadkovich**

Assistant Principal Ranger – Planning & Resilience  
Technical Support | SEQR | QPWS & Partnerships  
Department of Environment and Science

M [jo.zadkovich@des.qld.gov.au](mailto:jo.zadkovich@des.qld.gov.au)

Level 6, 12 First Avenue, Maroochydore QLD 4558



[Chat with me on Teams](#)

---

From: Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

Sent: Thursday, 21 October 2021 5:22 PM

To: ROSS Anthony

Cc: ZADKOVICH Jo; Leon BEYLEVELD; Rebecca POWLETT

Subject: RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Ross,

I am anticipating that we can cover most of the key things in this initial meeting in about an hour.

In which case, how would the following work for your team:

Thursday Oct 28<sup>th</sup> – between 12 to 2pm  
Monday Nov 1<sup>st</sup> – Anytime between 11am – 2pm  
Thursday Nov 4<sup>th</sup> – between 12 and 2pm

We would probably do this via Teams given the geographic scatter of the likely participants.

What we are hoping to cover in the meeting is:

- Introduction to the propose project
- Context of the current stage of works
- Details of works which would require access to the National Park
- Approval requirements for those works to proceed
- Stakeholder relationships (QPWS is seen as key stakeholder in the wider project)

If you have any items you would like to see included in the meeting agenda please feel free to let me know.

Best regards,

**Jon Alexander**

Principal Ecologist

M [\(6\) Personal info](#) T +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)  
832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

---

**From:** ROSS Anthony <[Anthony.Ross@des.qld.gov.au](mailto:Anthony.Ross@des.qld.gov.au)>

**Sent:** Thursday, 21 October 2021 8:55 AM

**To:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Cc:** ZADKOVICH Jo <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>

**Subject:** FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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Hi Jon

Could you suggest a couple of suitable dates/times either late next week or the week after?

If you are on Teams this may be the most efficient approach as we have staff in both Brisbane and Maroochydore that will need to be involved. Otherwise Maroochydore will be the best meeting place.

Kind Regards



**Anthony Ross**

Principal Ranger, Technical Support

South East Queensland Region | Queensland Parks & Wildlife Service and Partnerships

Department of Environment and Science

M [Personal info](#) or [Chat with me on Teams](#)

Mike Ahern Centre Lvl 6, 12 First Ave, MAROOCHYDORE QLD 4558  
61 Bunya Street, MALENY QLD 4552

---

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Sent:** Tuesday, 19 October 2021 1:10 PM

**To:** HOFFMAN Andrew

**Cc:** Leon BEYLEVELD

**Subject:** Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Andrew,

Thanks for your time last week.

As discussed we are looking to arrange a meeting to allow us to introduce the relevant people within your department to the Borumba PHES project and to discuss approval requirements for undertaking geotechnical investigative works within Conondale National Park. I will not attempt to outline all the project elements in this email but by way of very brief summary. Borumba Pumped Hydroelectric Energy Storage (PHES) project is a 1,000 MW pumped hydropower scheme with 24 hours of generation storage available. It is an integrated energy and water security brownfield development encompassing the existing Borumba Dam as a lower reservoir.

The site was identified as a preferred site for pumped hydro with numerous studies undertaken, including a concept study completed in May 2020. To support the development of a pumped hydro facility at Borumba, front end engineering design (FEED) and detailed project analysis is required to progress the project.

Part of this detailed project analysis would involve geotechnical investigative works, some of which would need to occur in Conondale NP. It should be noted these are short term investigative works and no permanent infrastructure is required or proposed.

Items we would include on a potential agenda include (but are not limited to):

- Introduction to the propose project
- Context of the current stage of works
- Details of works which would require access to the National Park
- Approval requirements for those works to proceed
- Stakeholder relationships (QPWS is seen as key stakeholder in the wider project)

If you have any items you would like to see included in the meeting agenda please feel free to let me know.

You mentioned that QPWS staff from the region and QPWS Land tenure staff would be appropriate to attend. We are hoping to have this meeting within the next two weeks, so if you are able to coordinate with the relevant people and propose some times which suit, we will try and lock it in.

Thanks for your assistance with this. If you have any queries please don't hesitate to get in touch.

Best regards,

**Jon Alexander**

Principal Ecologist

M   Personal info T +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

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Date : 22/10/2021 4:03:25 PM

From : "WOOLSEY David"

To : "DODDS Glen"

Subject : FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Attachment :

image001.png;image003.png;image007.png;image009.png;image010.png;image011.png;image012.png;image013.png;image005.png;image006.png;

fyi



**David Woolsey**  
A/Senior Program Officer - Tenure Services  
Park Services | Queensland Parks and Wildlife Service and Partnerships  
Department of Environment and Science

-----  
Ph. 07 3330 5333  
Level 5, 400 George St, Brisbane Qld 4000  
PO Box 15187, City East QLD 4002

---

**From:** WOOLSEY David  
**Sent:** Friday, 22 October 2021 4:02 PM  
**To:** ZADKOVICH Jo  
**Cc:** WILLIAMS Ashley (DES)  
**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Jo,

73(2)Irrelevant

I haven't talked to the actual proponent about this one at all, but he mentioned that it would likely be Powerlink Queensland? Either way there's a fair bit of info for the project on the internet I noticed.

Cheers  
Dave



**David Woolsey**  
A/Senior Program Officer - Tenure Services  
Park Services | Queensland Parks and Wildlife Service and Partnerships  
Department of Environment and Science

-----  
Ph. 07 3330 5333  
Level 5, 400 George St, Brisbane Qld 4000  
PO Box 15187, City East QLD 4002

---

**From:** WILLIAMS Ashley (DES) <[Ashley.Williams@des.qld.gov.au](mailto:Ashley.Williams@des.qld.gov.au)>  
**Sent:** Friday, 22 October 2021 1:33 PM  
**To:** WOOLSEY David  
**Subject:** FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

FYI mate.

---

**From:** ZADKOVICH Jo <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>  
**Sent:** Friday, 22 October 2021 10:17 AM  
**To:** WILLIAMS Ashley (DES); SMYTH Greg; HAYCOCK Alison  
**Cc:** ROSS Anthony  
**Subject:** FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi all,

We have recently been approached by SMEC – see below – about setting up a meeting to discuss the Borumba PHES project.

I am unsure how familiar you are with this – if you have any additional background it would be great if you could share it with me!

We were thinking it might be beneficial for you or a team representative to attend this initial meeting? Can you let me know if you would like to attend and your availability? The 28<sup>th</sup> isn't suitable for Anthony or myself – we were hoping to run with the 1<sup>st</sup> of November option.

Thanks and talk soon.  
Jo



**Jo Zadkovich**

Acting Assistant Principal Ranger – Planning & Resilience

Technical Support | SEQR | QPWS & Partnerships

Department of Environment and Science

M Personal info

Level 6, 12 First Avenue, Maroochydore QLD 4558

[Chat with me on Teams](#)

---

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Sent:** Thursday, 21 October 2021 5:22 PM

**To:** ROSS Anthony

**Cc:** ZADKOVICH Jo; Leon BEYLEVELD; Rebecca POWLETT

**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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Best regards,

**Jon Alexander**

Principal Ecologist

M Personal info +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

---

**From:** ROSS Anthony <[Anthony.Ross@des.qld.gov.au](mailto:Anthony.Ross@des.qld.gov.au)>

**Sent:** Thursday, 21 October 2021 8:55 AM

**To:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Cc:** ZADKOVICH Jo <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>

**Subject:** FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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Kind Regards



**Anthony Ross**

Principal Ranger, Technical Support

South East Queensland Region | Queensland Parks & Wildlife Service and Partnerships

Department of Environment and Science

M Personal info or [Chat with me on Teams](#)

Mike Ahern Centre Lvl 6, 12 First Ave, MAROOCHYDORE QLD 4558

61 Bunya Street, MALENY QLD 4552



**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>  
**Sent:** Tuesday, 19 October 2021 1:10 PM  
**To:** HOFFMAN Andrew  
**Cc:** Leon BEYLEVELD  
**Subject:** Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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If you have any items you would like to see included in the meeting agenda please feel free to let me know.

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Thanks for your assistance with this. If you have any queries please don't hesitate to get in touch.

Best regards,

**Jon Alexander**  
Principal Ecologist  
M [61 7 5578 0250](tel:+61755780250) E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)  
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Date : 9/09/2021 3:50:51 PM

From : "WOOLSEY David"

To : "BARTKOW Eri"

Cc : "WYETH Kamilla" , "ATKINS Claire" , "WILLIAMS Morgen" , "ARMSTRONG Jerilly" , "PETERKEN Claire"

Subject : FW: Proposed revocation of part of Conondale NP - Borumba Dam Pumped Hydro Energy Storage (PHES)

Attachment : QPWS Operational policy Revocation of QPWS managed areas.pdf;210830 Conondale NP - Revocation requirements letter\_sgned.pdf;image001.png;

Hi all,

73(2)Irrelevant

As discussed, I am forwarding the revocation letter and policy that was sent to Thomas Kohut about the Conondale NP Pumped Hydro Energy Storage project that is proposed

73(2)Irrelevant

73(2)Irrelevant

Any other questions just call me!

Cheers  
Dave



**David Woolsey**  
A/Senior Program Officer - Tenure Services  
Park Services | Queensland Parks and Wildlife Service and Partnerships  
Department of Environment and Science  
-----  
Ph. 07 3330 5333  
Level 5, 400 George St, Brisbane Qld 4000  
PO Box 15187, City East QLD 4002

---

**From:** WOOLSEY David  
**Sent:** Tuesday, 31 August 2021 9:30 AM  
**To:** Thomas Kohut  
**Subject:** RE: Proposed revocation of part of Conondale NP - Borumba Dam Pumped Hydro Energy Storage (PHES)

No problems Thomas, we shall wait to hear from you and go from there.

73(2)Irrelevant

73(2)Irrelevant Will also wait to hear from you about this one and we can get the process started.

Again, if there's any issues or questions just let me know.

Cheers  
Dave



**David Woolsey**  
A/Senior Program Officer - Tenure Services  
Park Services | Queensland Parks and Wildlife Service and Partnerships  
Department of Environment and Science  
-----  
Ph. 07 3330 5333  
Level 5, 400 George St, Brisbane Qld 4000  
PO Box 15187, City East QLD 4002

---

**From:** Thomas Kohut <[Thomas.Kohut@coordinatorgeneral.qld.gov.au](mailto:Thomas.Kohut@coordinatorgeneral.qld.gov.au)>  
**Sent:** Monday, 30 August 2021 5:55 PM  
**To:** WOOLSEY David  
**Subject:** RE: Proposed revocation of part of Conondale NP - Borumba Dam Pumped Hydro Energy Storage (PHES)

David these attachments are excellent! 73(2)Irrelevant

73(2)Irrelevant

73(2)Irrelevant

73(2)Irrelevant

Thanks again  
Kind regards Thomas

**From:** WOOLSEY David <[David.Woolsey@des.qld.gov.au](mailto:David.Woolsey@des.qld.gov.au)>  
**Sent:** Monday, 30 August 2021 4:21 PM  
**To:** Thomas Kohut <[Thomas.Kohut@coordinatorgeneral.qld.gov.au](mailto:Thomas.Kohut@coordinatorgeneral.qld.gov.au)>  
**Cc:** WILLIAMS Ashley (DES) <[Ashley.Williams@des.qld.gov.au](mailto:Ashley.Williams@des.qld.gov.au)>  
**Subject:** Proposed revocation of part of Conondale NP - Borumba Dam Pumped Hydro Energy Storage (PHES)

Hi Thomas,

Thanks for the call earlier. As discussed, I have attached the departmental letter for revocation of protected areas managed under the *Nature Conservation Act 1992*.

I have addressed the letter to you @ Coordinator General on behalf of Powerlink Queensland, please advise me if these details should change and I'll re-address the letter. Are you also able to confirm I have the correct lot on plan in the letter (467 on NPW746)? This letter outlines the process, requirements and timeframes for a revocation of Conondale National Park to occur. I have also attached the *Operational Policy: Revocation of QPWS managed areas* which guides decision making for all proposals. The letter initially prompts a written response to requirements 1 to 4 to allow the department to progress the revocation proposal.

I understand the PHES proposal is currently in the early phases and is undergoing a detailed cost and design analysis. As discussed, the revocation process is lengthy and can take 12-18 months to be completed, therefore it is worth starting the process as early as possible.

I am available to discuss this or other revocation processes if you're uncertain. If you'd prefer to have a meeting and discuss, just send an invite to Ash and myself.

Cheers,  
Dave



**David Woolsey**  
A/Senior Program Officer - Tenure Services  
Park Services | Queensland Parks and Wildlife Service and Partnerships  
Department of Environment and Science

-----  
Ph. 07 3330 5333  
Level 5, 400 George St, Brisbane Qld 4000  
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Our ref CTS TBA  
Your ref

30 August 2021

Mr Thomas Kahut  
Coordinator General  
Department of State Development, Infrastructure,  
Local Government and Planning  
Thomas.Kahut@coordinatorgeneral.qld.gov.au

To Thomas (on behalf of Powerlink Queensland),

**Proposed revocation of part of Conondale National Park (described as part of lot 467 on plan NPW746) for freehold purpose.**

The Department of Environment and Science (the department) undertakes tenure actions for *Forestry Act 195* (the Act) matters on behalf of the State. The revocation of National Park tenure is subject to Ministerial in-principle approval, Parliamentary tabling and debate, and endorsement by the Governor in Council.

A revocation proposal should not be considered by the proponent to have an assured outcome, that is, the proposal does not guarantee that a revocation will occur. Any costs incurred by Powerlink Queensland (Powerlink) in relation to the proposal are at the discretion of Powerlink and regardless of whether the proposal is finalised, will not be reimbursed. Furthermore, should Powerlink be unable to fulfil all nine requirements outlined below, the proposal will not progress.

To enable the department to progress this proposal, Powerlink must provide an application, in the form of a return letter, complying with requirements 1 – 4 below.

1. Justification for Proposed Revocation

Powerlink must demonstrate why the revocation should be progressed including:

- why revoking part of Conondale National Park is necessary e.g. for a public purpose
- why alternative options not requiring the revocation of part of Conondale National Park are inappropriate
- practical and reasonable measures that will be undertaken to minimise impacts on the natural and cultural commercial resources of Conondale National Park
- community consultation supporting the proposal if relevant.

The department will consider the justification against State interests and the *Operational Policy: Revocation of QPWS managed areas*.

2. Preliminary Sketch

Powerlink must provide a current sketch or preliminary plan outlining the scope and total area proposed to be revoked from Conondale National Park.

If land is to be provided as compensation (see 3. below), Powerlink must also provide the department with a current sketch or preliminary plan outlining the scope and total area proposed to be offered.

### 3. Compensation

Compensation at not less than the market value of the land is required at a 5 to 1 ratio for the area proposed to be revoked from Conondale National Park in accordance with the *Operational policy: Revocation of QPWS managed areas* (attached) and must be provided as a:

- a) cash payment
- b) land exchange
- c) combination of a) and b).

Powerlink must advise the department which compensation option they intend to provide.

A copy of title for land offered as compensation must be provided at no cost to the department for consideration. Land offered must have suitable conservation values, be unencumbered and free of third party interests e.g. mining tenements and native title rights, among others. The land may also be subject to conditions e.g. pest control, rehabilitation, fencing, etc. prior to the land being accepted as compensation.

### 4. Payment of Costs

Powerlink must agree to pay costs that may be incurred by the department for undertaking the proposal including, but not limited to:

- property valuations and/or valuation reviews
- advertising costs
- legislation drafting costs
- lodgement and registration fees.

Government fees and charges are indexed annually and may change.

When requirements 1 – 4 above are satisfied, and if:

- a) Department of Resources (DoR) post-revocation tenure in-principle support is provided, and
- b) Department of Environment and Science Ministerial in-principle approval is provided, Powerlink will be advised to satisfy requirements 5 – 9 below and pay for all associated costs within six months for departmental appraisal, prior to the proposals' progression to the Parliament and Governor in Council for consideration (*these requirements also apply to any land offered as compensation*). It is important to note that if Powerlink proceed/s with addressing requirements 5-9 below before being advised by the department to do so, Powerlink may incur avoidable costs, which, as above, will not be reimbursed.

### 5. Native Title Rights and Interests

Powerlink must provide the department with written confirmation in accordance with State Government Native Title Work Procedures that all native title rights and interests, if any, have been resolved to support the proposed post-revocation tenure.

6. Cultural Heritage

Powerlink must provide the department with written verification in accordance with the *Aboriginal Cultural Heritage Act 2003* (Qld) and/or the *Torres Strait Islander Cultural Heritage Act 2003* (Qld) that Cultural Heritage Duty of Care has been fulfilled to support the proposed post-revocation tenure.

7. Third Party Consent

Powerlink must undertake relevant land information searches of the land to be revoked to ensure that there are no third party interests present on the land. Relevant searches may include, but are not limited to: Title search, Energex/Ergon property search, Powerlink property search and Telecommunications search.

Additionally, Powerlink must provide the written consent, including any terms and conditions for compensation, surrender, etc., of any third party (e.g. trustees, lessees, permit holders, etc.) with an interest in the land to be revoked. Conversely, if Powerlink determines that there are no third party interests in the land, Powerlink must advise the department of this determination.

8. Survey Plan

Powerlink must provide the department with an original survey plan for the area to be revoked from Conondale National Park in accordance with the Registrar of Titles Directions for the Preparation of Plans, for the area to be revoked from Conondale National Park. This survey plan must identify the land proposed for revocation from Conondale National Park under this proposal, and **must not** include proposed compensation areas, or any other proposed revocation. For example, road openings and closures are to be shown on separate survey plans.

If the area of Conondale National Park to be revoked is subject to third party interests, Powerlink may also be required to provide the department with a copy of a plan of survey for the new third party area of the interest affected by the proposed revocation e.g. plantation licence plan, *Land Act 1994* lease/licence, etc. in accordance with the Registrar of Titles Directions for the Preparation of Plans, unless the third party consents to surrendering their interest wholly.

If Powerlink proposes a land exchange as compensation, Powerlink must provide a separate survey plan for the area proposed as compensation.

Additionally, the department will contact the local State Land and Asset Management office of DoR to discuss post-revocation tenure (e.g. road reserve, freehold, etc) over the area proposed to be revoked from Conondale National Park. This process may involve the department or the proponent to submit application forms and pay associated fees. If the department is required to pay any fees, costs will be reimbursed from the proponent.

9. Compensation

Powerlink must provide compensation as advised at 3. above.

- Land offered must have suitable conservation values, be unencumbered and free of third party interests e.g. mining tenements and native title rights and interests, among others. The land may also be subject to conditions e.g. pest control, rehabilitation, fencing, etc. prior to the land being accepted as compensation.

- Where a cash payment is proposed, a Market Valuation for the total area to be revoked from Conondale National Park will be used to determine the compensation amount in accordance with the *Operational Policy: Revocation of QPWS managed areas*. The valuation must consider the highest and best use of the proposed use for the land and be less than 12 months old. GST also applies to all cash compensation.

A Market Valuation for the total area to be revoked from Conondale National Park must be provided at no cost to the department for consideration. This is required for departmental financial reporting.

Powerlink may defer to the department the requirement to obtain a valuation to support the determination of the land's value, the cost of which will be recouped from Powerlink. Where Powerlink elects to pursue this option, the department will provide a copy of the valuation to Powerlink and Powerlink agrees not to dispute the valuation.

In instances where Powerlink provides a valuation to the department for consideration, the valuation will be forwarded to DoR's State Valuation Service for review. Powerlink will be invoiced for the cost of this review (approximately \$600).

Payment of compensation, if cash, is required to be paid to the department before the revocation can be progressed to Governor in Council. Additionally, payment of additional costs may also be required e.g. duty, to third parties with an interest in the land and DoR to secure post-revocation tenure.

Your attention to requirements 1 – 4 by 31 January 2022 would be appreciated, otherwise this proposal will lapse. Should Powerlink be unable to comply with the requirements by the due date, Powerlink may apply in writing for an extension of time prior to 31 December 2021 and must address the following:

- what action you have taken to comply with the requirements
- why the requirements cannot be complied with by 31 January 2022
- the extension of time requested.

Should you have any further enquiries, please contact me on (07) 3330 5333 or by email at [david.woolsey@des.qld.gov.au](mailto:david.woolsey@des.qld.gov.au)

Yours sincerely

h4p4( 6) Personal informatio

David Woolsey  
**A/Senior Program Officer, Tenure Services**  
**Parks Services, Queensland Parks and Wildlife Service & Partnerships**

## Appendix

### **Process and timelines for revocation proposals:**

#### **a) made under the Nature Conservation Act 1992 (national park, national park (scientific), conservation park, resources reserve or forest reserve)**

- **Revocation requirements 1-4** – Proponent must provide the department with a letter responding to points 1-4 respectively in the department's revocation requirements letter.
  - **Timeframe:** Generally 1-3 months.
- **Interdepartmental consultation** – Once your response to revocation requirements 1-4 have been received, the department would then consult with other agencies with an interest in the land (e.g. Department of Resources regarding approval of post-revocation tenure of the land).
  - **Timeframe:** Generally 2-3 months.
- **Ministerial in-principle approval** – Once other agencies have provided support, or otherwise, for the proposal, the department must seek the relevant Minister's in-principle approval of the proposal.
  - **Timeframe:** Generally 3-4 months.
- **Revocation Requirements 5-9** – If Ministerial in-principle support of the proposal is granted, the proponent will be advised of this approval and instructed to fulfil revocation requirements 5-9.
  - **Timeframe:** Generally 3-12 months.
- **Parliament** – Once revocation requirements 5-9 are satisfactorily received and approved by the department, then under section 32 (or 70E, if a forest reserve) of the *Nature Conservation Act 1992*, the proposal must be tabled in and debated in Parliament.
  - **Timeframe:** Generally 6-12 months
- **Governor in Council approval** – if the proposal is approved by Parliament, then a regulation that removes the proposed revocation area from the relevant protected area will need to be drafted and progressed to the Governor in Council for approval, giving effect to the revocation;
  - **Timeframe:** Generally 3-6 months.
- **Title Office registrations** – after the area is revoked, associated survey plans are lodged with the Titles Office and registered in due course. The title of the revoked land is also removed from the protected area or forest in order for the proponent to deal with post-revocation tenure of the land as necessary.
  - **Timeframe:** Generally 1 month.



Note: The above timeframes are to be used as a guide only and are reflective of the average timeframes taken for each step of the process. Circumstances outside of the department's control may increase these timeframes substantially.

Published on DES  
Disclosure Log  
RTI Act 2009

Date : 5/11/2021 1:12:42 PM

From : "David Woolsey"

To : "Jon ALEXANDER"

Cc : "Leon BEYLEVELD" , "Rebecca POWLETT" , "Anthony Ross" , "Alison Haycock" , "Chloe Gosling" , "Jo Zadkovich" , "Glen Dodds" , "Ashley Williams (DES)"

Subject : RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Attachment : 211105 Revocation requirements letter - Conondale NP.pdf;QPWS Operational policy Revocation of QPWS managed areas.pdf;image002.png;image003.png;image005.png;image007.png;image009.png;image010.png;image011.png;image013.png;image004.png;image006.png;

Hi Jon and Rebecca,

As discussed on Monday, the QPWS&P Tenure Services team would manage any tenure actions that arise as a result of the project, including revocation of any areas. It's necessary to revoke areas when a proposed activity and/or its impacts are not compatible with the management principles for the relevant QPWS estate (e.g. national park, State forest). Consideration of proposed activities and their impacts against management principles is primarily over to Anthony/Jo/Chloe to advise in the first instance.

I've attached the letter we use to manage revocations that outlines the entire process and costs etc. to aid your scoping/preliminary activities. Please note the attached letter is for national park revocation and that revocation of State forest follows a very similar path, except that the compensation would be reduced to 5:1 ratio. Please don't worry too much about the due dates in the letter, these can be altered to more appropriate timeframes later on.

The QPWS revocations policy is also attached that provides guidance on how the department assesses revocation proposals.

If you want further information, just give me a call, I will try to explain.

Regards,  
Dave



**David Woolsey**  
A/Program Coordinator - Tenure Services  
Park Services | Queensland Parks and Wildlife Service and Partnerships  
Department of Environment and Science

Ph. 07 3330 5333  
Level 5, 400 George St, Brisbane Qld 4000  
PO Box 15187, City East QLD 4002

---

**From:** Jon ALEXANDER <Jon.Alexander@smec.com>  
**Sent:** Wednesday, 3 November 2021 9:35 AM  
**To:** Jo Zadkovich  
**Cc:** Leon BEYLEVELD; Rebecca POWLETT; Anthony Ross; Alison Haycock; David Woolsey; Chloe Gosling  
**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Thanks Jo,

Appreciate your team's time.

The breakdown below is very helpful. I will send through the details of the borehole locations later today.

Best regards,

**Jon Alexander**  
Principal Ecologist  
M (6) Personal info +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)  
832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

---

**From:** Jo Zadkovich <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>  
**Sent:** Wednesday, 3 November 2021 9:03 AM  
**To:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>  
**Cc:** Leon BEYLEVELD <[Leon.Beyleveld@smec.com](mailto:Leon.Beyleveld@smec.com)>; Rebecca POWLETT <[Rebecca.Powlett@smec.com](mailto:Rebecca.Powlett@smec.com)>; Anthony Ross <[Anthony.Ross@des.qld.gov.au](mailto:Anthony.Ross@des.qld.gov.au)>; Alison Haycock <[Alison.Haycock@des.qld.gov.au](mailto:Alison.Haycock@des.qld.gov.au)>; David Woolsey <[David.Woolsey@des.qld.gov.au](mailto:David.Woolsey@des.qld.gov.au)>; Chloe Gosling <[Chloe.Gosling@des.qld.gov.au](mailto:Chloe.Gosling@des.qld.gov.au)>  
**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

**This Message Is From an External Sender**

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Hi Jon,

Thanks for your time on Monday giving an overview of the project.

It sounds like you are aiming to have the necessary approvals to undertake geotechnical investigations by March 2022. Below are some dot points to summarise the discussion around QPWS&P requirements.

Initial feasibility:

- The project needs to consider Native Title and Cultural Heritage implications
- SMEC to investigate current permits and advise if a permit is required to access and undertake initial ecological assessments on the State Forest and National Park (PTUKI - <https://www.qld.gov.au/environment/parks/permits/science-education>)
- QPWS to investigate if there is any existing road access points to proposed drill sites and advise SMEC
- QPWS to progress a geotechnical works authority – to do this we require the following from SMEC:
  - Project brief – outlining why it is necessary to undertake the works in the NP/SF - our assessment criteria for infrastructure projects includes , no reasonable practical alternative, in the broader public’s interest, ecologically sustainable, consistent with the management principles
  - Drill sites GIS and confirm how flexible you are on site locations/movement
  - Information on the drilling works expected to be undertaken on NP and SF tenure e.g. estimated scale of drill site footprint, including clearing, drilling activities and machinery, spoil management and stockpiles – noting road access to some of the drill sites is highly unlikely
  - An initial Environmental Impact Statement if possible (this can be included in the project brief or as a separate document)
  - Once final details on the scope of works etc is established QPWS require a detailed Environmental Works Plan (considering all impacts and mitigation strategies and site rehabilitation) and Cultural Heritage Management Plan

Future requirements if deemed feasible:

- Revocations (land offsets/compensation etc) of inundated lands (parts of Conondale NP and Yabba SF) – Dave Woolsey will send through some information on revocations
- Infrastructure authorities – noting that the power station is proposed to be on park but underground and that there will be no above ground infrastructure on park – Alison Haycock will be investigating this and will share more information with you

Thanks again, please contact me if you have any questions on the above.

Kind regards,  
Jo



**Jo Zadkovich**

Assistant Principal Ranger – Planning & Resilience  
Technical Support | SEQR | QPWS & Partnerships  
Department of Environment and Science

M) Personal in

Level 6, 12 First Avenue, Maroochydore QLD 4558



[Chat with me on Teams](#)

---

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Sent:** Thursday, 21 October 2021 5:22 PM

**To:** ROSS Anthony

**Cc:** ZADKOVICH Jo; Leon BEYLEVELD; Rebecca POWLETT

**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Ross,

I am anticipating that we can cover most of the key things in this initial meeting in about an hour.

In which case, how would the following work for your team:

Thursday Oct 28<sup>th</sup> – between 12 to 2pm

Monday Nov 1<sup>st</sup> – Anytime between 11am – 2pm

Thursday Nov 4<sup>th</sup> – between 12 and 2pm

We would probably do this via Teams given the geographic scatter of the likely participants.

What we are hoping to cover in the meeting is:

- Introduction to the propose project
- Context of the current stage of works
- Details of works which would require access to the National Park
- Approval requirements for those works to proceed
- Stakeholder relationships (QPWS is seen as key stakeholder in the wider project)

If you have any items you would like to see included in the meeting agenda please feel free to let me know.

Best regards,

**Jon Alexander**

Principal Ecologist

M [\(6\) Personal info](#) +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

---

**From:** ROSS Anthony <[Anthony.Ross@des.qld.gov.au](mailto:Anthony.Ross@des.qld.gov.au)>

**Sent:** Thursday, 21 October 2021 8:55 AM

**To:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Cc:** ZADKOVICH Jo <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>

**Subject:** FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

**This Message Is From an External Sender**

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Hi Jon

Could you suggest a couple of suitable dates/times either late next week or the week after?

If you are on Teams this may be the most efficient approach as we have staff in both Brisbane and Maroochydore that will need to be involved. Otherwise Maroochydore will be the best meeting place.

Kind Regards



**Anthony Ross**

Principal Ranger, Technical Support

South East Queensland Region | Queensland Parks & Wildlife Service and Partnerships

Department of Environment and Science

M [Personal info](#) or [Chat with me on Teams](#)

Mike Ahern Centre Lvl 6, 12 First Ave, MAROOCHYDORE QLD 4558

61 Bunya Street, MALENY QLD 4552

---

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>

**Sent:** Tuesday, 19 October 2021 1:10 PM

**To:** HOFFMAN Andrew

**Cc:** Leon BEYLEVELD

**Subject:** Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Andrew,

Thanks for your time last week.

As discussed we are looking to arrange a meeting to allow us to introduce the relevant people within your department to the Borumba PHES project and to discuss approval requirements for undertaking geotechnical investigative works within Conondale National Park. I will not attempt to outline all the project elements in this email but by way of very brief summary. Borumba Pumped Hydroelectric Energy Storage (PHES) project is a 1,000 MW pumped hydropower scheme with 24 hours of generation storage available. It is an integrated energy and water security brownfield development encompassing the existing Borumba Dam as a lower reservoir.

The site was identified as a preferred site for pumped hydro with numerous studies undertaken, including a concept study completed in May 2020. To support the development of a pumped hydro facility at Borumba, front end engineering design (FEED) and detailed project analysis is required to progress the project.

Part of this detailed project analysis would involve geotechnical investigative works, some of which would need to occur in Conondale NP. It should be noted these are short term investigative works and no permanent infrastructure is required or proposed.

Items we would include on a potential agenda include (but are not limited to):

- Introduction to the propose project
- Context of the current stage of works
- Details of works which would require access to the National Park
- Approval requirements for those works to proceed
- Stakeholder relationships (QPWS is seen as key stakeholder in the wider project)

If you have any items you would like to see included in the meeting agenda please feel free to let me know.

You mentioned that QPWS staff from the region and QPWS Land tenure staff would be appropriate to attend. We are hoping to have this meeting within the next two weeks, so if you are able to coordinate with the relevant people and propose some times which suit, we will try and lock it in.

Thanks for your assistance with this. If you have any queries please don't hesitate to get in touch.

Best regards,

**Jon Alexander**

Principal Ecologist

M [6\) Personal info +61 7 5578 0250](tel:+61755780250) E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

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Date : 22/10/2021 3:59:40 PM

From : "HAYCOCK Alison"

To : "WILLIAMS Ashley (DES)", "ZADKOVICH Jo"

Cc : "ROSS Anthony", "SMYTH Greg", "WOOLSEY David", "DODDS Glen"

Subject : RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Attachment :

image001.png;image005.png;image006.png;image008.png;image014.png;image015.png;image016.png;image017.png;image018.png;image019.png;

All some relevant background info here

[Borumba Dam Pumped Hydro: detailed design and cost analysis | Department of Energy and Public Works \(epw.qld.gov.au\).](#)

I also went to a workshop yest with DEPW to look at other sites around Qld that may be the next in line for scoping. Can discuss more next week.

Regards  
Alison

---

From: WILLIAMS Ashley (DES) <Ashley.Williams@des.qld.gov.au>

Sent: Friday, 22 October 2021 1:32 PM

To: HAYCOCK Alison; ZADKOVICH Jo

Cc: ROSS Anthony; SMYTH Greg

Subject: RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

I'm likely to be away on the 1<sup>st</sup> but will be in on the 4<sup>th</sup>.

Dave Woolsey and Glen Dodds should be invitees too, and I've added them to next week's pre-meeting meeting.

Ash

---

From: HAYCOCK Alison <[Alison.Haycock@des.qld.gov.au](mailto:Alison.Haycock@des.qld.gov.au)>

Sent: Friday, 22 October 2021 10:58 AM

To: ZADKOVICH Jo

Cc: ROSS Anthony; WILLIAMS Ashley (DES); SMYTH Greg

Subject: RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Jo

Yes happy to attend – 1<sup>st</sup> or 4<sup>th</sup> fine with me.

Would be useful if we could have a catch up about this matter between now and the meeting too – I have been involved in a couple of meetings with Dept Energy and Public Works about pumped hydro incl this project.

Alison



**Alison Haycock**

Team Leader (Resource Industry Projects)

Major Projects and Estate Management, Permissions Management

Queensland Parks and Wildlife Service & Partnerships, Department of Environment and Science

P 07 3199 7617

Level 9, 400 George Street, Brisbane

PO Box 15187, City East, QLD 4002

---

From: ZADKOVICH Jo <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>

Sent: Friday, 22 October 2021 10:17 AM

To: WILLIAMS Ashley (DES); SMYTH Greg; HAYCOCK Alison

Cc: ROSS Anthony

Subject: FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi all,

We have recently been approached by SMEC – see below – about setting up a meeting to discuss the Borumba PHES project.

I am unsure how familiar you are with this – if you have any additional background it would be great if you could share it with me!

We were thinking it might be beneficial for you or a team representative to attend this initial meeting? Can you let me know if you would like to attend and your availability? The 28<sup>th</sup> isn't suitable for Anthony or myself – we were hoping to run with the 1<sup>st</sup> of November option.

Thanks and talk soon.  
Jo



**Jo Zadkovich**

Acting Assistant Principal Ranger – Planning & Resilience  
Technical Support | SEQR | QPWS & Partnerships  
Department of Environment and Science

M Personal info

Level 6, 12 First Avenue, Maroochydore QLD 4558

[Chat with me on Teams](#)

---

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>  
**Sent:** Thursday, 21 October 2021 5:22 PM  
**To:** ROSS Anthony  
**Cc:** ZADKOVICH Jo; Leon BEYLEVELD; Rebecca POWLETT  
**Subject:** RE: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Ross,

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In which case, how would the following work for your team:

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If you have any items you would like to see included in the meeting agenda please feel free to let me know.

Best regards,

**Jon Alexander**

Principal Ecologist

M Personal info T +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)

832 Southport-Nerang Rd, Nerang, QLD, 4211, Australia

---

**From:** ROSS Anthony <[Anthony.Ross@des.qld.gov.au](mailto:Anthony.Ross@des.qld.gov.au)>  
**Sent:** Thursday, 21 October 2021 8:55 AM  
**To:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>  
**Cc:** ZADKOVICH Jo <[Jo.Zadkovich@des.qld.gov.au](mailto:Jo.Zadkovich@des.qld.gov.au)>  
**Subject:** FW: Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

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Hi Jon

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If you are on Teams this may be the most efficient approach as we have staff in both Brisbane and Maroochydore that will need to be involved. Otherwise Maroochydore will be the best meeting place.

Kind Regards



**Anthony Ross**  
Principal Ranger, Technical Support  
South East Queensland Region | Queensland Parks & Wildlife Service and Partnerships  
Department of Environment and Science  
Mike Ahern Centre Lvl 6, 12 First Ave, MAROOCHYDORE QLD 4558  
61 Bunya Street, MALENY QLD 4552

**From:** Jon ALEXANDER <[Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)>  
**Sent:** Tuesday, 19 October 2021 1:10 PM  
**To:** HOFFMAN Andrew  
**Cc:** Leon BEYLEVELD  
**Subject:** Meeting to discuss Borumba Pumped Hydro Energy Storage (PHES) Project

Hi Andrew,

Thanks for your time last week.

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If you have any items you would like to see included in the meeting agenda please feel free to let me know.

You mentioned that QPWS staff from the region and QPWS Land tenure staff would be appropriate to attend. We are hoping to have this meeting within the next two weeks, so if you are able to coordinate with the relevant people and propose some times which suit, we will try and lock it in.

Thanks for your assistance with this. If you have any queries please don't hesitate to get in touch.

Best regards,

**Jon Alexander**  
Principal Ecologist  
M [6](tel:+61755780250) Personal info +61 7 5578 0250 E [Jon.Alexander@smec.com](mailto:Jon.Alexander@smec.com)  
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Date : 9/09/2021 4:06:18 PM

From : "BARTKOW Eri"

To : "WOOLSEY David"

Subject : RE: Proposed revocation of part of Conondale NP - Borumba Dam Pumped Hydro Energy Storage (PHES)

Attachment : image002.png;

Thank you David.

From: WOOLSEY David <David.Woolsey@des.qld.gov.au>

Sent: Thursday, 9 September 2021 3:51 PM

To: BARTKOW Eri

Cc: WYETH Kamilla; ATKINS Claire; WILLIAMS Morgen; ARMSTRONG Jerilly; PETERKEN Claire

Subject: FW: Proposed revocation of part of Conondale NP - Borumba Dam Pumped Hydro Energy Storage (PHES)

Hi all,

73(2)Irrelevant

As discussed, I am forwarding the revocation letter and policy that was sent to Thomas Kohut about the Conondale NP Pumped Hydro Energy Storage project that is proposed.

73(2)Irrelevant

73(2)Irrelevant

73(2)Irrelevant

Any other questions just call me!

Cheers

Dave



David Woolsey  
A/Senior Program Officer - Tenure Services  
Park Services | Queensland Parks and Wildlife Service and Partnerships  
Department of Environment and Science

Ph. 07 3330 5333  
Level 5, 400 George St, Brisbane Qld 4000  
PO Box 15187, City East QLD 4002

From: WOOLSEY David

Sent: Tuesday, 31 August 2021 9:30 AM

To: Thomas Kohut

Subject: RE: Proposed revocation of part of Conondale NP - Borumba Dam Pumped Hydro Energy Storage (PHES)

No problems Thomas, we shall wait to hear from you and go from there.

73(2)Irrelevant

Again, if there's any issues or questions just let me know.

Cheers

Dave



David Woolsey  
A/Senior Program Officer - Tenure Services  
Park Services | Queensland Parks and Wildlife Service and Partnerships  
Department of Environment and Science

Ph. 07 3330 5333  
Level 5, 400 George St, Brisbane Qld 4000  
PO Box 15187, City East QLD 4002

From: Thomas Kohut <Thomas.Kohut@coordinatorgeneral.qld.gov.au>

Sent: Monday, 30 August 2021 5:55 PM

To: WOOLSEY David

Subject: RE: Proposed revocation of part of Conondale NP - Borumba Dam Pumped Hydro Energy Storage (PHES)

David these attachments are excellent!

73(2)Irrelevant

73(2)Irrelevant

73(2)Irrelevant

Thanks again  
Kind regards Thomas

---

**From:** WOOLSEY David <[David.Woolsey@des.qld.gov.au](mailto:David.Woolsey@des.qld.gov.au)>  
**Sent:** Monday, 30 August 2021 4:21 PM  
**To:** Thomas Kohut <[Thomas.Kohut@coordinatorgeneral.qld.gov.au](mailto:Thomas.Kohut@coordinatorgeneral.qld.gov.au)>  
**Cc:** WILLIAMS Ashley (DES) <[Ashley.Williams@des.qld.gov.au](mailto:Ashley.Williams@des.qld.gov.au)>  
**Subject:** Proposed revocation of part of Conondale NP - Borumba Dam Pumped Hydro Energy Storage (PHES)

Hi Thomas,

Thanks for the call earlier. As discussed, I have attached the departmental letter for revocation of protected areas managed under the *Nature Conservation Act 1992*.

I have addressed the letter to you @ Coordinator General on behalf of Powerlink Queensland, please advise me if these details should change and I'll re-address the letter. Are you also able to confirm I have the correct lot on plan in the letter (467 on NPW746)? This letter outlines the process, requirements and timeframes for a revocation of Conondale National Park to occur. I have also attached the *Operational Policy: Revocation of QPWS managed areas* which guides decision making for all proposals. The letter initially prompts a written response to requirements 1 to 4 to allow the department to progress the revocation proposal.

I understand the PHES proposal is currently in the early phases and is undergoing a detailed cost and design analysis. As discussed, the revocation process is lengthy and can take 12-18 months to be completed, therefore it is worth starting the process as early as possible.

I am available to discuss this or other revocation processes if you're uncertain. If you'd prefer to have a meeting and discuss, just send an invite to Ash and myself.

Cheers,  
Dave



**David Woolsey**  
A/Senior Program Officer - Tenure Services  
Park Services | Queensland Parks and Wildlife Service and Partnerships  
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