

Appendix H

Consultation with agencies and stakeholders

[REDACTED]

From: [REDACTED]
Sent: Thursday, 31 July 2014 2:30 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: FW: Sportsmans Creek Bridge - permit to extract water from Sportsmans Creek Lawrence.

Follow Up Flag: Follow up
Flag Status: Flagged

Hi [REDACTED]

FYI - see below advice from Office of Water on water extraction requirements for consultation as per of Sportsman's Geotech MWREF.

cheers

[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: Wednesday, 30 July 2014 3:52 PM
To: [REDACTED]
Subject: Re: Sportsmans Creek Bridge - permit to extract water from Sportsmans Creek Lawrence.

[REDACTED]

Thanks for the information. As the site of the proposed extraction is below the Mangrove Limit the water is deemed, for the purposes of the Water Act 1912, to be too saline for the consumption by stock or for irrigation purposes. this being the case a permit is not required for any intended extraction.

Regards
[REDACTED]

[Redacted]

Senior Water Regulation Officer
North Coast
Department of Primary Industries
Office of Water

[Redacted]

www.water.nsw.gov.au

[Redacted] 30/07/2014 3:43 PM >>>
Hi [Redacted]

as discussed, RMS are looking to undertake some geotechnical investigations in Sportsmans Creek at Lawrence. The closet property to the proposed works is [Redacted]

The water in this area is tidal (salty). Please confirm that a permit is not required to extract water from the creek.

Thanks

[Redacted]



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Our Ref: C14/309

11 August 2014

Dear Ms [REDACTED]

Re: Environmental Study Requirements for Part V REF for construction of a new bridge and removal of the existing wooden bridge over Sportsmans Creek at Lawrence

Thank you for your letter of 4 August 2014 requesting that Fisheries NSW, a division within the Department of Primary Industries outline environmental study requirements to facilitate appropriate assessment of the above mentioned proposal.

Fisheries NSW is responsible for ensuring that fish stocks are conserved and that there is "no net loss" of key fish habitats upon which they depend. To achieve this, the Aquaculture and Aquatic Environment Unit assesses activities under Part 5 of the *Environmental Planning and Assessment Act 1979* in accordance with the objectives of the *Fisheries Management Act 1994*, the aquatic habitat protection and threatened species conservation provisions in Parts 7 and 7A of the Act, and the associated *Policy and Guidelines for Fish Habitat Conservation and Management (2013 Update)*. In addition Fisheries NSW is responsible for ensuring the sustainable management of commercial, quality recreational fishing and viable aquaculture within NSW.

Fisheries NSW highlight that the Infrastructure SEPP requires that exempt developments, complying developments and emergency works are carried out in accordance with all applicable requirements of the Blue Book: "*Managing Urban Stormwater: Soils and Construction*" (4th Edition Landcom, 2004), available at:

(www.landcom.nsw.gov.au/news/publications-and-programs/the-blue-book.aspx)

Furthermore the works to be undertaken at Sportsmans Creek bridge, Lawrence, trigger s199 of the Fisheries Management Act 1994 and require consultation with Fisheries NSW, this would involve referral of a late draft of the REF to Fisheries NSW and consideration of the matters raised.



Department of Primary Industries

Fisheries NSW's standard minimum information requirements for environmental assessment is clearly detailed in section 3.3 (from pg 26) of *Policy and Guidelines for Fish Habitat Conservation and Management (2013 Update)* available at www.dpi.nsw.gov.au/fisheries/habitat/protecting-habitats/toolkit . Note that Fisheries NSW assessment of the proposal will cover both the final footprint of the structure and the footprint and impact of the proposed and alternate design construction methodologies. The REF should demonstrating how the chosen methodology Please ensure that the proponent address these requirements in the environmental studies. This will facilitate effective assessment of the proposal and reduce delays.

If you have any further enquiries please contact me on [REDACTED]

Yours sincerely

[REDACTED]
Regional Assessment Officer (North)

[REDACTED]

From: [REDACTED]
Sent: Friday, 15 August 2014 3:46 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: FW: SEC312-C1.01-S0012 - Sportsman Creek Bridge
Attachments: RMS Bridge requirement Lawrence.doc

Follow Up Flag: Follow up
Flag Status: Completed

Hi [REDACTED]

Please note our previous comments (attached) on this project and additional comments in the following E-Mail from our local Boating Safety Officer.

Regards

[REDACTED]
A/Manager Operations North
Boating Operations Branch
NSW Maritime Division

[REDACTED]
www.rms.nsw.gov.au

Roads and Maritime Services
PO Box 653 NEWCASTLE NSW 2300



1. Roads and Maritime will require the proposal to meet the minimum clearance height of the existing bridge. Further, to enhance boating opportunity in the area, Roads and Maritime seeks further consultation by the proponent at the design stage of the structure with view to increase the minimum clearance height of the structure to accommodate larger vessels.
2. Roads and Maritime licences occupational moorings at the proposed site. These moorings will require re-location possibly during the geotechnical testing stage and obviously during the construction and completion stages of the structure. Roads and Maritime will require the REF to consider and manage any affected mooring accordingly.
3. Roads and Maritime seeks that the waterway remain navigable during construction of the new structure and the demolition of the existing structure.

Regards

[REDACTED]
Boating Safety Officer, Yamba
Boating Operations Branch | Maritime Division

[REDACTED]
www.rms.nsw.gov.au

Roads and Maritime Services
5/19-21 Coldstream Street, Yamba NSW 2464

From: [REDACTED]
Sent: Thursday, 17 July 2014 4:06 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: SEC312-C1.01-S0012 - Sportsman Creek Bridge

Dear [REDACTED]

KBR, on behalf of the Roads and Maritime Services, is currently preparing a review of environmental effects (REF) for the demolition of the existing Sportsman Creek Bridge and construction of new bridge across the creek at Lawrence. Please find attached a consultation letter inviting you to comment on the project and identify any interest, concern or statutory requirements to be addressed in the REF.

Should you have any queries, please do not hesitate to get in contact.

[REDACTED]

[REDACTED]
Senior Environmental Scientist
KBR Infrastructure and Minerals

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30 July 2013

██████████
Project Manager
RCS Northern Project Management Northern Region

Dear ██████████

Further to our discussion today please find following NSW Maritime's requirements in relation to on-water traffic management whilst the works on the Lawrence Bridge are carried out and also navigational requirements for the Bridge on completion.

Sportsmans Creek-Lawrence Bridge

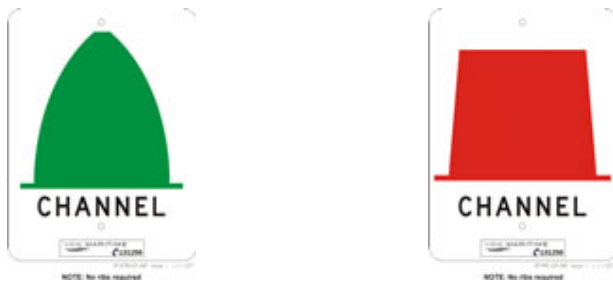
1. RMS- Maritime considers that it is important that the design is such to ensure that the new bridge does not impose further restrictions on the recreational use of the recreational operators,houseboats,commercial operators and sailing vessels.
2. In regard to bridge vertical clearance heights it is preferable to have heights that could accommodate trailered sailing vessels.
3. The proposed 4.39m underbridge clearance is equivalent to the existing Bridge and is therefore allows navigation for similar vessels.
4. RMS- Maritime does not have the technical expertise to determine load ratings but may be able to provide more detailed information on vessel specifics.
5. The underbridge clearance height of the existing bridge should be at least maintained and not decreased on the new structure.

Ongoing Works

1. The proposed works will have an impact on both the recreational and commercial boating users on Sportsman Creek
2. Appropriate navigational marks, signage and Marine Notices will need to be implemented and updated during the period of this work.
3. Marine Notices are to be placed in the local Press and RMS- NSW Maritime website during works and updated during different construction phases.
4. Consultation will be required throughout the duration of the works to develop forward plans for the on-water traffic management whilst the works are carried out and as plant and structures are deployed in different locations.
5. Navigational Aids plan to be approved by RMS- Maritime.

Bridge Completion Requirements-Hastings River

1. It is highly desirable that there will be a dedicated channel under one span heading upstream and the same heading downstream, this matter will need to be further discussed once bridge piers are in place. However in the interests of safety and taking into account the width between piers this is the preferred outcome from a navigational point of view.
2. Suitable (Class One diamond grade. 600mm high x 450mm wide) Port & starboard reflective navigational signs for day time operations are to be attached to the Bridge piers approximately 1.5-2m from the pile cap.



3. Yellow reflectors should be fitted to adjacent piles on both sides approximately 1.5-2m from pile cap. These to be 300mm x 600mm.
4. Signage indicating minimum clearance in the navigational channel to be affixed to the bridge in the centre of the span roughly at headstock/parapet height. See examples below



5. Schedule of work to be submitted to RMS-Maritime.
RMS- Maritime reserves the right to add or change position of navigational aids at its discretion to ensure any vessels are alerted of potential danger.
6. At the completion of works a hydrographic survey of the area may need to be undertaken to ensure the area is free of obstruction and that the best possible
7. Once works are completed additional buoys may be required to indicate the channel and approaches to the bridge. This can be evaluated at a later stage.

I trust I have supplied you with relevant details for the navigational aspects of the bridge construction.

Please contact me at any time if you wish to raise any further matters

Yours Sincerely


Manager Operations North
Boating Operations Branch


www.rmsservices.nsw.gov.au

Roads and Maritime Services
Locked Bag 156 South West Rocks 2431



Your reference
Our reference:
Contact:



Dear 

Re: Sportsmans Creek Bridge – OEH Requirements for Proposed Review of Environmental Factors.

Thank you for your letter dated 4 August 2014 requesting comment from the Office of Environment and Heritage (OEH) on matters to be considered in the above Review of Environmental Factors (REF). I appreciate the opportunity to provide input.

OEH's primary interest in the proposal relates to potential impacts on biodiversity, Aboriginal cultural heritage values, historic heritage, coasts, estuaries and floodplains and National Parks and Wildlife estate. I understand that the applicant is dealing with the NSW Heritage Council directly in relation to historic heritage.

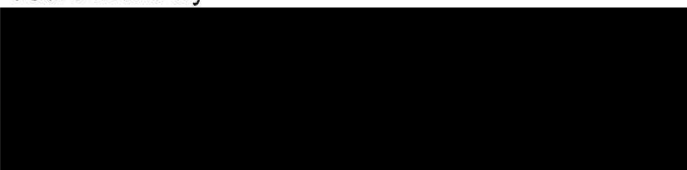
Based on the information provided with your letter regarding the proposed location of works, the REF must give particular consideration to the following:

- Biodiversity impacts, given that the existing bridge is habitat for threatened microbats, Southern Myotis (*Myotis macropus*);
- Aboriginal cultural heritage impacts, given the existence of a number of registered Aboriginal sites in close proximity to the proposed activities; and,
- Flooding impacts, given the proposal to build a new bridge and demolish the existing bridge may impact on flood levels.

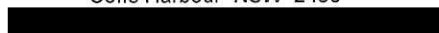
Additional advice on the full list of OEH issues that may need to be addressed in the REF is provided in Attachment 1. In carrying out the assessment, the proponent should refer to the relevant information listed in Attachment 2.

If you require any further information regarding this matter please contact Senior Operations Officer,

Yours sincerely



**Senior Team Leader Planning, North East Region
Regional Operations**



Attachment 1: OEH Recommended Requirements - Sportsmans Creek Bridge Review of Environmental Factors

GENERAL INFORMATION

The Review of Environmental Factors (REF) should identify the environmental objectives for the proposal. These environmental objectives will guide decisions on environmental controls and management throughout the life of the proposal.

Impacts related to the following environmental issues need to be assessed, quantified and reported on:

- Aboriginal cultural heritage
- Biodiversity
- Historic heritage
- Coasts, estuaries and floodplains
- National Parks and Wildlife estate

REFs should address the specific requirements outlined below and assess impacts in accordance with the relevant guidelines mentioned. A full list of guidelines is at Attachment 2.

THE PROPOSAL

The objectives of the proposal should be clearly stated and refer to the:

- the size and type of the proposal and its operation;
- all anticipated environment impacts, both direct and indirect, including level of vegetation / habitat clearing
- the anticipated level of performance in meeting required environmental standards;
- threatened species, populations, ecological communities and / or habitats impacted upon
- the staging and timing of the proposal; and
- the proposal's relationship to any other proposal and/or development.

THE PROJECT AREA

The REF should fully identify all of the processes and activities intended for the site and during the life of the project, including details of:

- the location of the proposal and details of the surrounding environment;
- the proposed management and layout of the site;
- appropriate land use zoning;
- ownership details of any residence and/or land likely to be affected by the proposal;
- maps/diagrams showing the location of residences and properties likely to be affected and other industrial developments, conservation areas, wetlands, etc in the locality that may be affected;
- all equipment proposed for use at the site;
- chemicals, including fuel, used on the site and proposed methods for the transportation, storage, use and emergency management;
- waste generation, storage and disposal;
- a plan showing the distribution of any threatened flora or fauna species and the vegetation communities on the subject site, and the extent of vegetation proposed to be cleared should be provided; and
- methods to mitigate any expected environmental impacts of the proposal.

ABORIGINAL CULTURAL HERITAGE

OEH acknowledges the existence of a number of registered Aboriginal sites in close proximity to the proposed activities. It is also acknowledged that sites are known to occur close to Sportsmans Creek and as the project area contains similar landforms and intends to impact the banks of Sportsmans Creek there is the potential for evidence of Aboriginal occupation to occur within the area of the proposed activities. It is therefore recommended that the proponent consider any potential impacts of the proposal on these known Aboriginal sites/objects, the sensitivity and significance of these sites to the traditional Aboriginal knowledge holders and any relationship that may exist between these sites and any Aboriginal cultural heritage values of the project area.

The REF should contain:

1. A description of any Aboriginal objects and declared Aboriginal places located or associated with the area of the proposal.
2. A description of the cultural heritage values, including the significance of the Aboriginal objects and declared Aboriginal places, that exist across the whole area that will be affected by the proposal, and the significance of these values for the Aboriginal people who have a cultural association with the land.
3. A description of how the requirements for consultation with Aboriginal people as specified in clause 80C of the *National Parks and Wildlife Regulation 2009* have been met.
4. The views of those Aboriginal people regarding the likely impact of the proposal on their cultural heritage. If any submissions have been received as a part of the consultation requirements, then the report must include a copy of each submission and your response.
5. A description of the actual or likely harm posed to the Aboriginal objects or declared Aboriginal places from the proposed activity, with reference to the Aboriginal cultural heritage values identified.
6. A description of any practical measures that may be taken to protect and conserve those Aboriginal objects or declared Aboriginal places.
7. A description of any practical measures that may be taken to avoid or mitigate any actual or likely harm, alternatives to harm or, if this is not possible, to manage (minimise) harm.

In addressing these requirements, the applicant must refer to the following documents:

- a) *Due Diligence Code of Practice for the Protection of Aboriginal Objects in NSW* (OEH, 2010) - <http://www.environment.nsw.gov.au/resources/cultureheritage/ddcop/10798ddcop.pdf>. These guidelines identify the factors to be considered in Aboriginal cultural heritage assessments for proposals under Part 5 of the EP&A Act.
- b) *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (OEH, 2010) - <http://www.environment.nsw.gov.au/licences/consultation.htm>. This document further explains the consultation requirements that are set out in clause 80C of the *National Parks and Wildlife Regulation 2009*. The process set out in this document must be followed and documented in the EIS.
- c) *Code of Practice for the Archaeological Investigation of Aboriginal Objects in New South Wales* (OEH, 2010) - <http://www.environment.nsw.gov.au/licences/archinvestigations.htm>. The process described in this Code should be followed and documented where the assessment of Aboriginal cultural heritage requires an archaeological investigation to be undertaken.

Notes:

1. An Aboriginal Site Impact Recording Form (<http://www.environment.nsw.gov.au/licences/DECCAHIMSSiteRecordingForm.htm>) must be completed and submitted to the Aboriginal Heritage Information Management System (AHIMS) Registrar, for each AHIMS site that is harmed through archaeological investigations required or permitted following the determination of the proposal.
2. Under Section 89A of the *National Parks and Wildlife Act 1974*, it is an offence for a person not to notify OEH of the location of any Aboriginal object the person becomes aware of, not already recorded on the Aboriginal Heritage Information Management System (AHIMS). An AHIMS Site Recording Form should be completed and submitted to the AHIMS Registrar (<http://www.environment.nsw.gov.au/contact/AHIMSRegistrar.htm>), for each Aboriginal site found during investigations.

BIODIVERSITY

The REF must detail the existing environment including discussion on flora and fauna characteristics. The following requirements should be addressed at a level of investigation appropriate to the site's current condition. Attention is also drawn to the Australian Government's *Environment Protection and Biodiversity Conservation Act 1999*. If any species requiring consideration under this legislation may be affected by the proposal, approval for the works may also be required from the Department of Sustainability, Environment, Water, Population and Communities.

Flora

A comprehensive description of the vegetation of the subject site should be prepared. This will include an assessment of the condition of the plant communities present, including the designation of conservation significance at a local, regional and State level, and an assessment of the likely occurrence of any threatened species, populations and / or ecological communities listed under Schedules 1 or 2 of the *Threatened Species Conservation Act 1995* and any Rare or Threatened Australian Plant (ROTAP) species.

A plan showing the distribution of any threatened or ROTAP species and the vegetation communities on the subject site, and the extent of vegetation proposed to be cleared should be provided. This plan should be at the same scale as the plan of the area subject to the proposal, and preferably showing the footprint of the proposal superimposed on the vegetation, in order to assist in the assessment of impacts on existing vegetation.

Where the assessment concludes that threatened species, populations or their habitats, or endangered ecological communities exist on or are in close proximity to the subject site, the effect of the proposal should be determined by an assessment pursuant to Section 5A of the *Environmental Planning and Assessment Act 1979*. An assessment of the impact of the proposal on the plant communities and / or ROTAP species should also be provided. A description of the measures proposed to mitigate and / or ameliorate the impact of the proposal on the plant communities, threatened and ROTAP species.

Fauna

A fauna survey to identify the distribution and abundance of fauna species known or likely to use the subject site should be undertaken. This should include a description of available fauna habitats and an assessment of the conservation status of each of the faunal components at a local, regional and State level.

A plan showing the results of the above survey should be provided. The plan should be at the same scale as (or as an overlay to) the plan of the proposal footprint and overall site, to assist in the assessment of potential impacts of the proposal on fauna.

An assessment of the potential impact of the proposal on fauna should be provided.

An assessment of the occurrence or likely occurrence of threatened species or populations, or their habitats, on the subject land should be provided. Where the assessment concludes that threatened species or populations, or their habitats, exist on or in close proximity to the subject site, the effect of the proposal should be determined in accordance with an assessment pursuant to Section 5A of the *Environmental Planning and Assessment Act 1979*. A description of the measures proposed to mitigate and/or ameliorate the impact of the proposal on fauna should be provided.

Surveys and Assessments

Records of flora and fauna on or near the subject site can be obtained from:

- The Wildlife Atlas <http://wildlifeatlas.nationalparks.nsw.gov.au/wildlifeatlas/watlas.jsp>.
- Rare or Threatened Australian Plants (ROTAP) database.
- Threatened Species, Populations & Ecological Communities of NSW Catchments www.threatenedspecies.environment.nsw.gov.au.

It should be noted that these databases are not comprehensive, should only be used as a guide and do not negate the need for specific site investigations.

To address likely impacts on threatened species (including their habitat), populations and ecological communities, the proponent will need to engage a suitably qualified environmental consultant to conduct an appropriate flora and fauna survey and provide an assessment report. This report will need to evaluate and mitigate any adverse impacts on such species, populations and communities on the subject site and within the immediate vicinity. Surveys and assessments should not be confined to the immediate footprint of the proposal, but also include any areas where ancillary works may be undertaken, for example, any upgrade in site access roads or other supporting infrastructure.

Surveys should be undertaken in accordance with OEH's Threatened Species survey and assessment guidelines (available at www.environment.nsw.gov.au)

Surveys are required to be undertaken during optimal climatic and seasonal conditions for all potentially occurring flora and fauna species and need to consider issues such as migratory species movements, the availability of shelter, breeding, pollination patterns and prerequisites, and also the relative availability of food resources and habitat.

HISTORIC HERITAGE

The REF should address the following:

1. The heritage significance of the site and any impacts the proposal may have upon this significance should be assessed. This assessment should include natural areas and places of Aboriginal, historic or archaeological significance. It should also include a consideration of wider heritage impacts in the area surrounding the site.
2. The Heritage Council maintains the State Heritage Inventory which lists some items protected under the *Heritage Act 1977* and other statutory instruments. This register can be accessed through the Heritage Branch home page on the internet (<http://www.heritage.nsw.gov.au>). In addition, lists maintained by the National Trust, any heritage listed under the Australian Government's *Environment Protection and Biodiversity Conservation Act 1999* and the local council should be consulted in order to identify any known items of heritage significance in the area affected by the proposal. These lists are constantly evolving and items with potential heritage significance may not yet be listed
3. Non-Aboriginal heritage items within the area affected by the proposal should be identified by field survey. This should include any buildings, works, relics (including relics underwater), gardens, landscapes, views, trees or places of non-Aboriginal heritage significance. A statement of significance and an assessment of the impact of the proposal on the heritage significance of these items should be undertaken. Any policies/measures to conserve their heritage significance should be identified. This assessment should be undertaken in accordance with the guidelines in the NSW Heritage Manual. The field survey and assessment should be undertaken by a qualified

practitioner/consultant with historic sites experience. The Manager, OEH Heritage Division Conservation Team, can be contacted on telephone (02) 9873 8599 for a list of suitable consultants.

COAST, ESTUARIES and FLOODPLAINS

The REF should address the following (where applicable) referring to the guidelines in Attachment 2:

- The NSW Government Flood Prone Land Policy which aims to reduce the impacts of flooding and flood liability on individual owners and occupiers, and reduce private and public losses resulting from flooding. Relevant objectives are set out in the NSW Government Floodplain Development Manual.
- The NSW Coastal Policy 1987, which has as its central focus the ecologically sustainable development of the NSW coast;
- The Estuary Management Policy, with the general goal to achieve an integrated, balanced, responsible and ecologically sustainable use of the State's estuaries, which form a key component of coastal catchments;
- The Coastline Hazard Policy 1988, with the primary objective to reduce the impact of coastal hazards on individual owners and occupiers, and to reduce private and public losses resulting from natural coastal forces; and
- Relevant Coastal Zone and /or Estuary Management Plans.

(Note: Where no plans are in place setback from coastal erosion escarpments should be established in consultation with OEH).

The Grafton and Lower Clarence Floodplain Risk Management Plan (FRMP) summarises on the township of Lawrence:

"Most of the town is above the PMF flood, although some 20 residential and 8 non-residential buildings are estimated to have floor levels below the 100 year flood (WBM, 1998). There is ready access to high ground within the town, and there does not appear to be a significant flood risk (apart from those properties that are inundated). Any intensification of existing development should occur on land that is above the 100 year flood."

Given the FRMP identifies that Lawrence contains a number of flood prone houses; special attention should be taken to ensure that no increase in flood risk is created as a result of the bridge replacement.

Recommendation:

That detailed flood modelling of Sportsmans Creek and Clarence River is undertaken including pre and post bridge development scenarios for a range of recurrence interval events up to the 100 year Average Recurrence Interval. The results of the modelling and any proposed mitigation actions should be included in the REF.

NATIONAL PARKS and WILDLIFE ESTATE

The REF should consider potential direct and indirect impacts on OEH/NPWS estate, wilderness areas, wild rivers and recognised areas of high conservation value.

Attachment 2 – Guidance Material

Title	Web address
Relevant Legislation	
<i>Commonwealth Environment Protection and Biodiversity Conservation Act 1999</i>	http://www.austlii.edu.au/au/legis/cth/consol_act/epabca1999588/
<i>Environmental Planning and Assessment Act 1979</i>	http://www.legislation.nsw.gov.au/maintop/view/inforce/act+203+1979+cd+0+N
<i>National Parks and Wildlife Act 1974</i>	http://www.legislation.nsw.gov.au/maintop/view/inforce/act+80+1974+cd+0+N
<i>Threatened Species Conservation Act 1995</i>	http://www.legislation.nsw.gov.au/maintop/view/inforce/act+101+1995+cd+0+N
<i>Coastal Protection Act 1979</i>	http://www.legislation.nsw.gov.au/viewtop/inforce/act+13+1979+cd+0+N
Greenhouse Gas	
The Greenhouse Gas Protocol: Corporate Standard, World Council for Sustainable Business Development & World Resources Institute	http://www.ghgprotocol.org/standards/corporate-standard
National Greenhouse Accounts (NGA) Factors, Australian Department of Climate Change (Latest relEISse),	http://www.climatechange.gov.au/publications/greenhouse-acctg/national-greenhouse-factors.aspx
National Greenhouse and Energy Reporting System, Technical Guidelines (latest relEISse)	http://www.climatechange.gov.au/en/government/initiatives/national-greenhouse-energy-reporting/tools-resources.aspx
National Carbon Accounting Toolbox	http://www.climatechange.gov.au/government/initiatives/ncat.aspx
Australian Greenhouse Emissions Information System (AGEIS)	http://ageis.climatechange.gov.au/
Aboriginal Cultural Heritage	
Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation (2005)	Available from DP&I.
Aboriginal Cultural Heritage Consultation Requirements for Proponents (EPA, 2010)	http://www.environment.nsw.gov.au/licences/consultation.htm
Code of Practice for the Archaeological Investigation of Aboriginal Objects in New South Wales (EPA, 2010)	http://www.environment.nsw.gov.au/licences/archinvestigations.htm
Aboriginal Site Impact Recording Form	http://www.environment.nsw.gov.au/licences/DECCAHIMSSiteRecordingForm.htm
Aboriginal Heritage Information Management System (AHIMS) Registrar	http://www.environment.nsw.gov.au/contact/AHIMSRegistrar.htm

Biodiversity

BioBanking Assessment Methodology
(DECC, 2008)

<http://www.environment.nsw.gov.au/resources/biobanking/08385bbassessmethod.pdf>

BioBanking Assessment Methodology
and Credit Calculator Operational
Manual (EPA, 2008)

<http://www.environment.nsw.gov.au/biobanking/operationalmanual.htm>

Threatened Species Survey and
Assessment Guidelines: Field Survey
Methods for Fauna -Amphibians (EPA,
2009)

<http://www.environment.nsw.gov.au/resources/Threatenedspecies/09213amphibians.pdf>

Threatened Biodiversity Survey and
Assessment: Guidelines for
Developments and Activities - Working
Draft (DEC, 2004)

<http://www.environment.nsw.gov.au/resources/nature/TBSAGuidelinesDraft.pdf>

Guidelines for Threatened Species
Assessment (Department of Planning,
July 2005)

Draft available from DoP

EPA Threatened Species website

<http://www.environment.nsw.gov.au/Threatenedspecies/>

Atlas of NSW Wildlife

<http://wildlifeIStlas.nationalparks.nsw.gov.au/wildlifeIStlas/watlas.jsp>

BioBanking Threatened Species
Database

<http://www.environment.nsw.gov.au/biobanking/biobankingtspd.htm>

Vegetation Types databases

<http://www.environment.nsw.gov.au/biobanking/vegtypedatabase.htm>

PlantNET

<http://plantnet.rbgsyd.nsw.gov.au/>

Online Zoological Collections of
Australian Museums

<http://www.ozcam.org/>

Threatened Species Assessment
Guideline - The Assessment of
Significance (EPA, 2007)

<http://www.environment.nsw.gov.au/resources/Threatenedspecies/tsaguide07393.pdf>

Principles for the use of biodiversity
offsets in NSW

<http://www.environment.nsw.gov.au/biocertification/offsets.htm>

OEH Estate

Land reserved or acquired under the NPW Act

List of national parks

<http://www.environment.nsw.gov.au/NationalParks/parksEISchatoz.aspx>

Guidelines for developments adjoining
land and water managed by the
Department of Environment, Climate
Change and Water (EPA, 2010)

<http://www.environment.nsw.gov.au/resources/protectedareas/10509devadjEPA.pdf>

Coastal Management

NSW Coastal Policy
SEPP 71

<http://www.planning.nsw.gov.au/coastal-protection>

Dune Management

<http://www.planning.nsw.gov.au/rda-guidelines/documents/Coastal%20Dune%20Management%20Manual.pdf>

[REDACTED]

From: [REDACTED]
Sent: Thursday, 31 July 2014 2:30 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: FW: Sportsmans Creek Bridge - permit to extract water from Sportsmans Creek Lawrence.

Follow Up Flag: Follow up
Flag Status: Completed

Hi [REDACTED]

FYI - see below advice from Office of Water on water extraction requirements for consultation as per of Sportsman's Geotech MWREF.

cheers

[REDACTED]
Environment Officer
Environment Branch | Infrastructure Development

[REDACTED]
www.rms.nsw.gov.au
Every journey matters

Roads and Maritime Services
Level Two 76 Victoria St Grafton NSW 2460

From: [REDACTED]
Sent: Thursday, 31 July 2014 2:25 PM
To: [REDACTED]
Subject: FW: Sportsmans Creek Bridge - permit to extract water from Sportsmans Creek Lawrence.

Hi [REDACTED]

[REDACTED] response is below. Basically, if the water is tidal, no licence is required. So no action required.

Cheers

From: [REDACTED]
Sent: Wednesday, 30 July 2014 3:52 PM
To: [REDACTED]
Subject: Re: Sportsmans Creek Bridge - permit to extract water from Sportsmans Creek Lawrence.

Hi [REDACTED]

Thanks for the information. As the site of the proposed extraction is below the Mangrove Limit the water is deemed, for the purposes of the Water Act 1912, to be too saline for the consumption by stock or for irrigation purposes. this being the case a permit is not required for any intended extraction.

Regards
[REDACTED]

[REDACTED]
Senior Water Regulation Officer
North Coast
Department of Primary Industries
Office of Water

[REDACTED]

as discussed, RMS are looking to undertake some geotechnical investigations in Sportsmans Creek at Lawrence. The closet property to the proposed works is [REDACTED]

The water in this area is tidal (salty). Please confirm that a permit is not required to extract water from the creek.

Thanks



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20 October 2014



Senior Environmental Scientist
Kellogg Brown & Root Pty Ltd
GPO Box 1618
SYDNEY NSW 2001

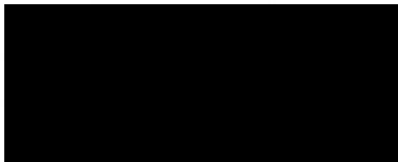
Dear Ms 

Review of Environmental Factors – Consultation Regarding Proposed Demolition of Sportsman Creek Bridge and Construction of New Bridge Over Sportsman Creek at Lawrence.

I refer to your letter of 17 July 2014 and apologise for the delay in replying. Council has discussed the project in depth with representatives from Roads and Maritime Services, which has addressed many of the issues. As such, Council has no additional issue for inclusion in the review of environmental factors.

If you wish to discuss this matter further, please contact me on 

Yours faithfully



Manager Civil Services