

Santos Ltd
ABN 80 007 550 923
60 Flinders Street
Adelaide, South Australia 5000
Telephone: 61 8 8116 5000
Facsimile: 61 8 8116 5050
www.santos.com

Santos

20 November 2018

Chief Executive
RPI Act Development Assessment Team
Department of Infrastructure, Local Government and Planning
Level 13, 1 William Street
BRISBANE QLD 4001

Dear Sir / Madam,

Please find attached an assessment application for a regional interests development approval (RIDA) under the *Regional Planning Interests Act 2014* (RPI Act). This application is of an administrative nature. It seeks only to authorise petroleum production on Lot 1 on Plan SP133822 and PL1047 within the Channel Country SEA from the existing Okotoko North 1 petroleum well and associated infrastructure. This is a result of a change in tenure from Authority to Prospect (ATP) to a Production Licence (PL), and subsequent requirement for a new Environmental Authority (EA). The new tenure and EA are to allow for commercialisation of a petroleum product, following extended production testing, conducted under Authority to Prospect (ATP) 1189.

The application includes the following information:

- Attachment 1 – Regional Planning Interests Act 2014 Assessment Application Form
- Attachment 2 – Current State Tenure Title Search (Lot 1 on Plan SP133822)
- Attachment 3 – PL 1047 Resource Authority Public Report
- Attachment 4 – RIDA Assessment Report
- Attachment 5 – GIS Files

Payment of the application fee of \$6,480.00 has been paid upon lodgement of this application.

Please do not hesitate to contact Jodie Spencer on (07) 3838 3182 or jodie.spencer@santos.com should you have any queries in relation to the attached.

Yours sincerely,


Liz Dunlop
Principal Environmental Advisor

**ATTACHMENT 1 - REGIONAL PLANNING INTERESTS ACT 2014 ASSESSMENT
APPLICATION FORM**

Regional Planning Interests Act 2014

Assessment application form

Approved under section 94 of the *Regional Planning Interests Act 2014*.

Version 3.0 is effective from 3 July 2017.

Before lodging your application

1. Read RPI Act Statutory Guideline 01/14: How to make an assessment application for a regional interests development approval under the [Regional Planning Interests Act 2014](#)
2. Consider contacting the RPI Act Development Assessment team on 1300 967 433 or email RPIAct@dilgp.qld.gov.au for general queries, or to request a pre-application discussion on the proposed application.

Purpose of application form

This form is to be used when making an assessment application for a regional interests development approval (RIDA) under the *Regional Planning Interests Act 2014* (RPI Act).

Definitions

Expressions highlighted in bold italic type have the same meaning as in the RPI Act or in regulations made under the RPI Act.

How to make the Assessment Application

Section 29 of the RPI Act states:

An assessment application must be:

1. made to the chief executive in the approved form; and
2. accompanied by a report:
 - assessing the resource activity or regulated activity's impact on the area of regional interest; and
 - identifying any constraints on the configuration or operation of the activity; and
3. accompanied by the fee prescribed under a regulation.

The applicant must complete all sections of the form either on the form or as an attachment.

Where to lodge

The preferred method of lodgement is to upload the application form on the electronic registration and login system. Access to the RIDA system is available on the [DILGP Planning website](#).

OR

Provide **1 electronic copy** of the completed application form and the supporting information to the chief executive:

- **Email:** [**RPIAct@dilgp.qld.gov.au**](mailto:RPIAct@dilgp.qld.gov.au)
- **Post:** RPI Act Development Assessment Team DILGP
PO Box 15009
City East QLD 4002
- **Hand deliver:** RPI Act Development Assessment Team DILGP
Level 13, 1 William Street, Brisbane
(For hand deliveries, contact the RIDA Development Assessment team on 1300 967 433).



**Queensland
Government**

1. Property description of the land the subject of the application. Identify all lots or parts of lots on which the activity is proposed, and the total area of disturbance. Provide a map.			
Lot on Plan description (e.g. 1RP12345)	Lot 1 SP133822		
Street address/suburb/ locality and post code	Eromanga QLD 4480		
Closest town	Durham Downs		
2. Application details Attach a map that clearly shows all relevant areas of regional interest on the land the subject of the application and the corresponding proposed location of the proposed activity/ies.			
Identify the area/s of regional interest (ARI) in the application area and the area of the ARI to be disturbed			
Area of regional interest (ARI)	Area of disturbance	Area of regional interest (ARI)	Area of disturbance
<input type="checkbox"/> Priority agricultural area	_____ ha	<input type="checkbox"/> Priority living area	_____ ha
<input type="checkbox"/> Strategic cropping area	_____ ha	<input checked="" type="checkbox"/> Strategic environmental area	2.94 ha ¹
Identify the resource or regulated activity			
<input type="checkbox"/> Resource activity: mining and other resource activities (not petroleum and gas). (Add the type of mining on this form (e.g. coal, bauxite))			
<input checked="" type="checkbox"/> Resource activity: petroleum and gas			
<input type="checkbox"/> Regulated activity - broadacre cropping (Only relevant where the application relates to a strategic environmental area)			
<input type="checkbox"/> Regulated activity - water storage (dam) (Only relevant where the application relates to a strategic environmental area)			
Provide a detailed description of the proposed activities Provide a description of the proposed activities for which approval is sought, location and the surface area of the activities.			
Area of regional interest	Activity	Location	Total area of disturbance (ha)
Channel Country Strategic Environment Area	Production from one (1) petroleum well. Refer to attached assessment report.	Lot 1 SP133822	2.94 ha

¹ Refer to assessment report. This is existing surface disturbance associated with pre-existing infrastructure.

Provide a description of current land use

Provide a description of what the land is currently being used for (e.g. horticulture, irrigated cropping, dryland grazing, nature conservation, residential, manufacturing and industrial, etc.) and the surrounding land within a 1 kilometre radius.

Attach a map that clearly shows the area and location of all existing land uses and activities on the land the subject of the application, and within a 1 kilometre radius of the boundaries of the land that is the subject of the application.

Refer to attached assessment report. The proposed activities would be located solely on Lot 1 SP133822 forming part of Durham Downs Pastoral Station, an 8, 910 km² cattle station operated by S. Kidman & Co. Ltd. The existing land use for this cattle station includes grazing from natural vegetation.

3. Supporting information to accompany this application

Report (*addressing matters set out in section 29(b) of the RPI Act*)

Maps, GIS data files, site plans (*proposed activities*)

Other documents (*optional*)

4. Other relevant information to accompany this application

Attach map/s to identify the location of this information and lot on plan details.

Are there any resource authorities or applications for resource authorities over all or part of the land the subject of the application? (e.g. for exploration or resource development)	<input checked="" type="checkbox"/> Yes (Provide the resource authority reference number, a description of the type of authority/approval, the status (i.e. in application stage or approved); date of application or approval; location and dimensions of each resource authority or application)	<input type="checkbox"/> No
Is there a SCL protection decision over all or part of the land the subject of the application?	<input type="checkbox"/> Yes (Provide decision number/s)	<input checked="" type="checkbox"/> No
Is there an environmental authority (EA) over all or part of the land the subject of the application?	<input checked="" type="checkbox"/> Yes (Provide environmental authority number/s)	<input type="checkbox"/> No
Are there any easements over any part of the land the subject of the application?	<input type="checkbox"/> Yes (Include nature, location and dimensions of each easement e.g. for access, infrastructure)	<input checked="" type="checkbox"/> No
Attach a current title search for each lot or part of a lot the subject of the application (NOTE: the searches must be obtained within 3 business days before application.)	<input checked="" type="checkbox"/> Tick to confirm title searches are attached.	
Attach GIS data files for the proposed activities identified in section 2 above.	<input checked="" type="checkbox"/> Tick to confirm data files are attached.	

Is an exemption from public notification for the assessment application under section 34(3) of the RPI Act sought?	<input checked="" type="checkbox"/> Yes (Attach written request including justification for the exemption)	<input type="checkbox"/> No
5. Land owner details		
Name of all land owner/s	S. Kidman & Co	
Postal address/s	Durham Downs Pastoral Station, Eromanga QLD 4480	
Telephone/mobile number/email address/s (non-mandatory)		
Is the applicant the owner (as defined in schedule 1 to the RPI Act) of the land the subject of the application?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No (Identify the land that is not owned by the applicant)
Is it necessary, under section 30 of the RPI Act, to provide a copy of the application to the owner of the land? <i>(NOTE: proof of delivery will be required.)</i>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
6. Applicant/authorised person details Section 28 of the RPI Act prescribes who may be the applicant for a RIDA for a resource activity or regulated activity to be carried out in an area of regional interest. The decision about the application is issued to the applicant. The applicant need not be the owner of the land. The authorised person for a company (if applicable) is the contact person for the applicant and need not be the applicant (for example, director, company secretary or sole director). However, formal documents, such as any requirement notice and the decision about the application, will be sent to the applicant at the address for service stated below.		
Applicant/s name (individual or company name in full), include ABN or ACN number if applicable	Santos Limited ABN 80 007 550 923	
Applicant's postal address and email address for service	Level 19, 32 Turbot Street Brisbane QLD 4000	
Authorised contact person for applicant: name, position and company	Jodie Spencer, Environmental Advisor, Santos Limited	
Contact phone number and mobile number	(07) 3838 3182 0432 159 857	
Contact email address	jodie.spencer@santos.com	

7. Electronic documentation	
Where an email address is provided in section 6 above, does the applicant consent to receiving written information relating to this assessment application, required or permitted to be provided under the <i>Regional Planning Interests Act 2014</i> or any other State law, in an electronic format pursuant to sections 11 and 12 of the <i>Electronic Transactions Act 2001</i> ?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
8. Application fee (Fees are prescribed in the Regional Planning Interests Regulation 2014)	
Amount payable	\$6,480
Reference number (Contact RIDA assessment team for a reference number)	
Payment option (Contact RIDA assessment team for account details)	<input type="checkbox"/> Direct deposit Date deposited: <input checked="" type="checkbox"/> Cheque attached
9. Use and Disclosure of Information Statement	
<p>The information is collected in accordance with the RPI Act and will be used by Queensland Government Agencies for the processing and assessment of your assessment application, and may involve the chief executive:</p> <ol style="list-style-type: none"> 1. and other officers of the DILGP, and any consultants engaged by or on behalf of the chief executive, reviewing the information provided for the purpose of considering and assessing your assessment application 2. providing a copy of the assessment application to relevant Queensland Government Agencies prescribed as assessing agencies for the assessment application (including the local government), the Gasfields Commission or any person asked to provide advice or comment on the assessment application. <p>The assessment application and the accompanying report will also be made publically available on the DILGP website from the time the assessment application is made until the time it lapses or is withdrawn or, if is decided, until the end of the last period during which an appeal may be made against a decision on the application. However, information will not be made publicly available on the DILGP website to the extent that it is provided by an owner of land (as defined in schedule 1 to the RPI Act) (an owner) who is not the applicant, and is commercial-in-confidence or personal information, and that owner has not consented to its disclosure, or to the extent that it is information which is considered to be sensitive security information.</p> <p>Where an application proposes a resource or regulated activity in a priority agricultural area (PAA) and the applicant is required to provide information about the productive capacity or operation of a priority agricultural land use to address the prescribed solutions in the Regional Planning Interests Regulation 2014 (schedule 2, part 2), the information is to be provided in a separate document attached as an appendix to the assessment application report and the application must:</p> <ul style="list-style-type: none"> • identify the source of the information provided, including whether the information was provided by an owner other than the applicant • state whether an owner other than the applicant agrees to the information being made publicly available on the DILGP website; and if so: 	

- provide the express written agreement of that owner to the information being made publicly available on the DILGP website.

If an owner, other than the applicant, does not provide express written agreement, the information will not be made available on the DILGP website with the other application information. You may also be required to publicly notify your application. A notice about the chief executive's decision relating to your application will also be publicly notified.

Your personal details will not be disclosed for a purpose outside this assessment process, except where required by legislation (including the *Right to Information Act 2009*). This information may be stored in a database by DILGP.

The information collected will be retained as required by the *Public Records Act 2002*.

10. Declaration

This declaration needs to be made by the individual applicant or, when the applicant is a company, an authorised person or persons who have the authority to act on behalf of that company in accordance with the *Corporations Act 2001* (Cth).

Where the declaration is made by a person who is authorised in writing to make that declaration on behalf of the company, evidence of that authorisation must accompany the application.

- ☒ By making this application, I declare that all the information in this application is true and correct and that I have read and understood the '*Use and Disclosure of Information statement*' on this form.

Signature of Applicant

Signature of applicant/authorised person:



Name and Position: Nick Fox, Head of Environment and Access, Santos Limited

Date: 19 November 2018

Office use only	Date received	
	RIDA reference number	
	Source number	

**ATTACHMENT 2 – CURRENT STATE TENURE TITLE SEARCH (LOT 1 ON PLAN
SP133822)**

CURRENT STATE TENURE SEARCH

NATURAL RESOURCES, MINES AND ENERGY, QUEENSLAND

Request No: 30028081

Search Date: 19/11/2018 09:15

Title Reference: 17666157

Date Created: 21/10/1995

DESCRIPTION OF LAND

Tenure Reference: PDH 15/422

Lease Type: ROLLING TERM LEASE

LOT 1 SURVEY PLAN 133822
 Local Government: BULLOO

Area: 782000.000000 Ha. (ABOUT)

No Land Description

No Forestry Entitlement Area

Purpose for which granted:
NO PURPOSE DEFINED

TERM OF LEASE

Term and day of beginning of lease

Term: 30 years commencing on 01/04/1980

Expiring on 31/03/2010

Extended to 31/03/2060

REGISTERED LESSEE

Dealing No: 706291965 21/01/2003

S. KIDMAN & CO LTD A.C.N. 007 872 317

CONDITIONS

CURRENT STATE TENURE SEARCH

NATURAL RESOURCES, MINES AND ENERGY, QUEENSLAND

Request No: 30028081

Search Date: 19/11/2018 09:15

Title Reference: 17666157

Date Created: 21/10/1995

CONDITIONS

A126 SPECIFIED CONDITIONS FOR: Term Lease
PURPOSE: Rolling term lease - Pastoral

----- STATUTORY CONDITIONS: -----

Statutory conditions are the general mandatory conditions of a lease and binds the lessee in accordance with Part 2 Division 1 of the Land Act.

1. Permitted Use: The lessee must use the land only for the purpose for which the tenure was issued under the Land Act 1994.
2. Duty of Care: The lessee has the responsibility for a duty of care, for the land under the Land Act 1994.
3. Rent/Instalment: The lessee must pay the annual rent/instalment in accordance with the Land Act 1994 and the Land Regulation 2009.

For further information on how annual rent is determined, refer to the department's website at www.dnrm.qld.gov.au.

4. Noxious plants: The lessee must keep noxious plants on the land under control. If the lessee does not comply with this condition, the Minister may bring the noxious plants under control, the cost of which will be recovered from the lessee.
5. Information to Minister: The lessee must give the Minister administering the Land Act 1994, information the Minister asks for about the tenure.
6. Monies for Improvements: No money for improvements is payable by the State on the forfeiture, surrender or expiry of this lease but money may be payable if the State receives payment from an incoming lessee or buyer for the improvements on the land. However, the previous lessee may apply to the Minister to remove the improvements that belong to the lessee, within a period of 3 months from the date of the forfeiture, surrender, or expiry of this lease. The lessee may only undertake the removal of the improvements in the presence of an authorised representative of the department, if required by the Minister. The lessee may only remove those improvements if all monies due from the lessee to the department under this lease have been paid.

REGULATORY-CONDITIONS:----- -----

A regulatory condition relates to a lease, in accordance with the Land Regulation.

1. Indemnity: The lessee indemnifies and agrees to keep indemnified the Minister, and the State of Queensland and its Representatives, (the "Indemnified parties") against all liability, costs, loss and expenses including claims in negligence (including any claims, proceedings or demands brought by any third party, and any legal fees, costs and disbursements on a solicitor and client basis) ("Claim") arising from or incurred in connection with:
 - a. the granting of this lease to the lessee;

CURRENT STATE TENURE SEARCH

NATURAL RESOURCES, MINES AND ENERGY, QUEENSLAND

Request No: 30028081

Search Date: 19/11/2018 09:15

Title Reference: 17666157

Date Created: 21/10/1995

CONDITIONS

- b. the lessee 's use and occupation of the land; or
- c. personal injury (including sickness and death) or property damage or loss in connection with the performance (or attempted purported performance or non-performance) of the lease or a breach of the lease by the lessee .

The lessee hereby releases and discharges to the full extent permitted by law, the Indemnified parties from all actions, claims, proceedings or demands and in respect of any loss, death, injury, illness or damage (whether personal or property and whether special, direct, indirect or consequential financial loss) arising out of the use and occupation of the lease.

To the full extent permitted by law, the Minister, the State of Queensland and their Representatives will not be liable to the lessee for any special, indirect or consequential damages, including consequential financial loss arising out of the use and occupation of the lease.

2. Public Liability: The lessee must effect a public liability insurance policy with an insurer authorised under the Insurance Act 1973 (Commonwealth) or, if not so authorised then only with the Minister's approval, which can be given or withheld in the Minister's sole discretion, naming the lessee as the insured covering legal liability for any loss of, or damage to any property and for the injury (including death) to any person arising out of anything done or omitted on or about the land or any improvements thereon and against all claims, demands, proceedings, costs, charges, and expenses whatsoever (including claims in negligence) Such policy must:
 - a. be for an amount of not less than \$20,000,000.00 and have no per event sublimit or such higher amounts as the Minister may reasonably require.
 - b. be effected on a "claims occurring" basis; and
 - c. be maintained at all times during the currency of the lease, and upon receipt of any notice of cancellation, the lessee must immediately effect another public insurance policy in accordance with the terms of the lease .

The lessee must, as soon as practicable, inform the Minister, in writing, of the occurrence of any event that the lessee considers is likely to give rise to a claim under the policy of insurance effected and must ensure that the Minister is kept fully informed of subsequent actions and developments concerning the claim.

The lessee must renew such policy, at the lessee's expense, each year during the currency of this lease.

The condition will be satisfied if the lessee is the State of Queensland or a statutory authority eligible for cover under the Queensland Government Insurance Fund and is insured and continues to be insured by the Queensland Government Insurance Fund.

This condition will be satisfied if the lessee is the Commonwealth of Australia or a statutory authority eligible for cover under the Comcover Insurance Fund and is insured and

CURRENT STATE TENURE SEARCH

NATURAL RESOURCES, MINES AND ENERGY, QUEENSLAND

Request No: 30028081

Search Date: 19/11/2018 09:15

Title Reference: 17666157

Date Created: 21/10/1995

CONDITIONS

continues to be insured by Comcover.

3. Access: The provision of access, further access or services to the land will not be the responsibility of the State.
4. Survey Costs: If the land needs to be surveyed or re-surveyed the lessee must do this at their own cost under the Survey and Mapping Infrastructure Act 2003. This survey plan must be lodged in the land registry within the specified time.
5. Extension: The lease is subject to the extensions of rolling term leases provision of the Land Act 1994 and the Minister must grant an extension of the term of a rolling term lease if the lessee makes an application in the approved form. The extension will be for the original term of the lease and may be given subject to condition changes.
6. Jurisdiction: The lessee is subject to the Land Act 1994 and all other relevant Queensland and Commonwealth legislation.
7. Compliance with Laws - the lessee must comply with all lawful requirements of the -
 - a. Local Government; and
 - b. any department within the Queensland or Commonwealth governments (including the department administering the Land Act 1994), local authority or statutory instrumentality having jurisdiction over the land, or the development, use and occupation of the land, in regard to its use, occupation and development of the land.

SPECIAL-CONDITIONS:-----

These conditions relate to this lease.

Improvements or development on or to the land

1. The lessee must during the whole term of the lease, to the satisfaction of the relevant authorities, maintain all improvements and boundary fencing on the land in a good and substantial state of repair.

Quarry material

1. The lessee must allow any person authorised under the Forestry Act 1959 access to the leased land for the purpose of cutting and removing timber or removing other forest products, or quarry material, or other material from the leased land.
Except as hereinafter provided the lessee must not interfere with any forest products or remove any quarry material (including any stone, gravel, sand, earth, soil, rock, guano or clay which is not a mineral within the meaning of the Mineral Resources Act 1989) or other material upon the leased land without the permission of the Minister administering the Land Act 1994 except under the authority of and in compliance in every respect with the requirements or a permit, licence, agreement or contract granted or made under the Forestry Act 1959.

CURRENT STATE TENURE SEARCH

NATURAL RESOURCES, MINES AND ENERGY, QUEENSLAND

Request No: 30028081

Search Date: 19/11/2018 09:15

Title Reference: 17666157

Date Created: 21/10/1995

ENCUMBRANCES AND INTERESTS

1. Rights and interests reserved to the Crown by
Lease No. 17666157
2. RESUMPTION EASEMENT No 702782044 13/07/1998 at 12:35
burdening the land
THE STATE OF QUEENSLAND
over
EASEMENTS AV AND AW ON SP101337
3. EASEMENT IN GROSS No 703038619 01/12/1998 at 14:21
burdening the land
SANTOS LTD A.C.N. 007 550 923
DELHI PETROLEUM PTY LTD A.C.N. 007 854 686
SANTOS PETROLEUM PTY LTD A.C.N. 000 146 369
BORAL ENERGY RESOURCES A.C.N. 007 845 338
VAMGAS PTY LTD A.C.N. 006 245 110
SANTOS AUSTRALIAN HYDROCARBONS PTY LTD A.C.N. 010 646 331
OIL COMPANY OF AUSTRALIA LIMITED A.C.N. 001 646 331
OVER EASEMENT C ON CP864604
4. CHANGE OF NAME No 705651096 27/05/2002 at 12:41
EASEMENT IN GROSS: 703038619
SANTOS LTD TENANT IN COMMON 3263/10000
DELHI PETROLEUM PTY LTD TENANT IN COMMON 29/125
SANTOS PETROLEUM PTY LTD TENANT IN COMMON 117/625
ORIGIN ENERGY RESOURCES TENANT IN COMMON 33/200
VAMGAS PTY LTD TENANT IN COMMON 601/8000
SANTOS AUSTRALIAN HYDROCARBONS PTY LTD
TENANT IN COMMON 3/250
OIL COMPANY OF AUSTRALIA LIMITED TENANT IN COMMON 19/8000
5. TRANSFER No 715191739 09/07/2013 at 11:24
EASEMENT IN GROSS: 703038619
SANTOS LTD TENANT IN COMMON 3263/10000
DELHI PETROLEUM PTY LTD TENANT IN COMMON 29/125
SANTOS PETROLEUM PTY LTD TENANT IN COMMON 117/625
BORAL ENERGY RESOURCES TENANT IN COMMON 33/200
VAMGAS PTY LTD TENANT IN COMMON 601/8000
SANTOS AUSTRALIAN HYDROCARBONS PTY LTD
TENANT IN COMMON 3/250
ORIGIN ENERGY RESOURCES LIMITED A.B.N. 66 007 845 338
TENANT IN COMMON 19/8000
6. EASEMENT IN GROSS No 706987170 15/09/2003 at 12:15
burdening the land
EPIC ENERGY QUEENSLAND PTY LTD A.B.N. 67 066 656 219
over
EASEMENTS V,W AND X ON SP158291

CURRENT STATE TENURE SEARCH

NATURAL RESOURCES, MINES AND ENERGY, QUEENSLAND

Request No: 30028081

Search Date: 19/11/2018 09:15

Title Reference: 17666157

Date Created: 21/10/1995

ENCUMBRANCES AND INTERESTS

7. EASEMENT IN GROSS No 707541465 09/03/2004 at 10:04
burdening the land
SANTOS LIMITED A.C.N. 007 550 923
DELHI PETROLEUM PTY LTD A.C.N. 007 854 686
SANTOS PETROLEUM PTY LTD A.C.N. 000 146 369
ORIGIN ENERGY RESOURCES LIMITED A.C.N. 007 845 338
VAMGAS PTY LTD A.C.N. 006 245 110
SANTOS AUSTRALIAN HYDROCARBONS PTY LTD A.C.N. 010 850 487
ORIGIN ENERGY CSG LIMITED A.C.N. 001 646 331
over
EASEMENT Y ON SP154282
8. TRANSFER No 715191685 09/07/2013 at 11:18
EASEMENT IN GROSS: 707541465
SANTOS LIMITED TENANT IN COMMON 3263/10000
DELHI PETROLEUM PTY LTD TENANT IN COMMON 29/125
SANTOS PETROLEUM PTY LTD TENANT IN COMMON 117/625
ORIGIN ENERGY RESOURCES LIMITED TENANT IN COMMON 1339/8000
VAMGAS PTY LTD TENANT IN COMMON 601/8000
SANTOS AUSTRALIAN HYDROCARBONS PTY LTD
TENANT IN COMMON 3/250
9. EASEMENT IN GROSS No 707541601 09/03/2004 at 10:19
burdening the land
SANTOS LIMITED A.C.N. 007 550 923
DELHI PETROLEUM PTY LTD A.C.N. 007 854 686
SANTOS PETROLEUM PTY LTD A.C.N. 000 146 369
ORIGIN ENERGY RESOURCES LIMITED A.C.N. 007 845 338
VAMGAS PTY LTD A.C.N. 006 245 110
SANTOS AUSTRALIAN HYDROCARBONS PTY LTD A.C.N. 010 850 487
ORIGIN ENERGY CSG LIMITED A.C.N. 001 646 331
over
EASEMENT M ON SP145125
10. TRANSFER No 715191630 09/07/2013 at 11:16
EASEMENT IN GROSS: 707541601
SANTOS LIMITED TENANT IN COMMON 3263/10000
DELHI PETROLEUM PTY LTD TENANT IN COMMON 29/125
SANTOS PETROLEUM PTY LTD TENANT IN COMMON 117/625
ORIGIN ENERGY RESOURCES LIMITED TENANT IN COMMON 1339/8000
VAMGAS PTY LTD TENANT IN COMMON 601/8000
SANTOS AUSTRALIAN HYDROCARBONS PTY LTD
TENANT IN COMMON 3/250

CURRENT STATE TENURE SEARCH

NATURAL RESOURCES, MINES AND ENERGY, QUEENSLAND

Request No: 30028081

Search Date: 19/11/2018 09:15

Title Reference: 17666157

Date Created: 21/10/1995

ENCUMBRANCES AND INTERESTS

11. EASEMENT IN GROSS No 707541642 09/03/2004 at 10:21
burdening the land
SANTOS LIMITED A.C.N. 007 550 923
DELHI PETROLEUM PTY LTD A.C.N. 007 854 686
SANTOS PETROLEUM PTY LTD A.C.N. 000 146 369
ORIGIN ENERGY RESOURCES LIMITED A.C.N. 007 845 338
VAMGAS PTY LTD A.C.N. 006 245 110
SANTOS AUSTRALIAN HYDROCARBONS PTY LTD A.C.N. 010 850 487
ORIGIN ENERGY CSG LIMITED A.C.N. 001 646 331
over
EASEMENT D ON SP127015
12. TRANSFER No 715191732 09/07/2013 at 11:23
EASEMENT IN GROSS: 707541642
SANTOS LIMITED TENANT IN COMMON 3263/10000
DELHI PETROLEUM PTY LTD TENANT IN COMMON 29/125
SANTOS PETROLEUM PTY LTD TENANT IN COMMON 117/625
ORIGIN ENERGY RESOURCES LIMITED TENANT IN COMMON 1339/8000
VAMGAS PTY LTD TENANT IN COMMON 601/8000
SANTOS AUSTRALIAN HYDROCARBONS PTY LTD
TENANT IN COMMON 3/250
13. EASEMENT IN GROSS No 707541654 09/03/2004 at 10:23
burdening the land
SANTOS LIMITED A.C.N. 007 550 923
DELHI PETROLEUM PTY LTD A.C.N. 007 854 686
SANTOS PETROLEUM PTY LTD A.C.N. 000 146 369
ORIGIN ENERGY RESOURCES LIMITED A.C.N. 007 845 338
VAMGAS PTY LTD A.C.N. 006 245 110
SANTOS AUSTRALIAN HYDROCARBONS PTY LTD A.C.N. 010 850 487
ORIGIN ENERGY CSG LIMITED A.C.N. 001 646 331
over
EASEMENTS J TO L ON SP145115
14. TRANSFER No 715191654 09/07/2013 at 11:17
EASEMENT IN GROSS: 707541654
SANTOS LIMITED TENANT IN COMMON 3263/10000
DELHI PETROLEUM PTY LTD TENANT IN COMMON 29/125
SANTOS PETROLEUM PTY LTD TENANT IN COMMON 117/625
ORIGIN ENERGY RESOURCES LIMITED TENANT IN COMMON 1339/8000
VAMGAS PTY LTD TENANT IN COMMON 601/8000
SANTOS AUSTRALIAN HYDROCARBONS PTY LTD
TENANT IN COMMON 3/250

CURRENT STATE TENURE SEARCH

NATURAL RESOURCES, MINES AND ENERGY, QUEENSLAND

Request No: 30028081

Search Date: 19/11/2018 09:15

Title Reference: 17666157

Date Created: 21/10/1995

ENCUMBRANCES AND INTERESTS

15. EASEMENT IN GROSS No 707542448 09/03/2004 at 11:49
burdening the land
SANTOS LIMITED A.C.N. 007 550 923
DELHI PETROLEUM PTY LTD A.C.N. 007 854 686
SANTOS PETROLEUM PTY LTD A.C.N. 000 146 369
ORIGIN ENERGY RESOURCES LIMITED A.C.N. 007 845 338
VAMGAS PTY LTD A.C.N. 006 245 110
SANTOS AUSTRALIAN HYDROCARBONS PTY LTD A.C.N. 010 850 487
ORIGIN ENERGY CSG LIMITED A.C.N. 001 646 331
over
EASEMENT P ON SP148547
16. TRANSFER No 715191707 09/07/2013 at 11:20
EASEMENT IN GROSS: 707542448
SANTOS LIMITED TENANT IN COMMON 3263/10000
DELHI PETROLEUM PTY LTD TENANT IN COMMON 29/125
SANTOS PETROLEUM PTY LTD TENANT IN COMMON 117/625
ORIGIN ENERGY RESOURCES LIMITED TENANT IN COMMON 1339/8000
VAMGAS PTY LTD TENANT IN COMMON 601/8000
SANTOS AUSTRALIAN HYDROCARBONS PTY LTD
TENANT IN COMMON 3/250
17. EASEMENT IN GROSS No 707542491 09/03/2004 at 11:52
burdening the land
SANTOS LIMITED A.C.N. 007 550 923
DELHI PETROLEUM PTY LTD A.C.N. 007 854 686
SANTOS PETROLEUM PTY LTD A.C.N. 000 146 369
ORIGIN ENERGY RESOURCES LIMITED A.C.N. 007 845 338
VAMGAS PTY LTD A.C.N. 006 245 110
SANTOS AUSTRALIAN HYDROCARBONS PTY LTD A.C.N. 010 850 487
ORIGIN ENERGY CSG LIMITED A.C.N. 000 051 696
over
EASEMENT G ON SP145095
18. TRANSFER No 715191695 09/07/2013 at 11:19
EASEMENT IN GROSS: 707542491
SANTOS LIMITED TENANT IN COMMON 3263/10000
DELHI PETROLEUM PTY LTD TENANT IN COMMON 29/125
SANTOS PETROLEUM PTY LTD TENANT IN COMMON 117/625
ORIGIN ENERGY RESOURCES LIMITED TENANT IN COMMON 1339/8000
VAMGAS PTY LTD TENANT IN COMMON 601/8000
SANTOS AUSTRALIAN HYDROCARBONS PTY LTD
TENANT IN COMMON 3/250

CURRENT STATE TENURE SEARCH

NATURAL RESOURCES, MINES AND ENERGY, QUEENSLAND

Request No: 30028081

Search Date: 19/11/2018 09:15

Title Reference: 17666157

Date Created: 21/10/1995

ENCUMBRANCES AND INTERESTS

19. EASEMENT IN GROSS No 707542519 09/03/2004 at 11:54
burdening the land
SANTOS LIMITED A.C.N. 007 550 923
DELHI PETROLEUM PTY LTD A.C.N. 007 854 686
SANTOS PETROLEUM PTY LTD A.C.N. 000 146 369
ORIGIN ENERGY RESOURCES LIMITED A.C.N. 007 845 338
VAMGAS PTY LTD A.C.N. 006 245 110
SANTOS AUSTRALIAN HYDROCARBONS PTY LTD A.C.N. 010 850 487
ORIGIN ENERGY CSG LIMITED A.C.N. 000 051 696
over
EASEMENT N ON SP145126
20. TRANSFER No 715191690 09/07/2013 at 11:19
EASEMENT IN GROSS: 707542519
SANTOS LIMITED TENANT IN COMMON 3263/10000
DELHI PETROLEUM PTY LTD TENANT IN COMMON 29/125
SANTOS PETROLEUM PTY LTD TENANT IN COMMON 117/625
ORIGIN ENERGY RESOURCES LIMITED TENANT IN COMMON 1339/8000
VAMGAS PTY LTD TENANT IN COMMON 601/8000
SANTOS AUSTRALIAN HYDROCARBONS PTY LTD
TENANT IN COMMON 3/250
21. EASEMENT IN GROSS No 707542593 09/03/2004 at 12:04
burdening the land
SANTOS LIMITED A.C.N. 007 550 923
DELHI PETROLEUM PTY LTD A.C.N. 007 854 686
SANTOS PETROLEUM PTY LTD A.C.N. 000 146 369
ORIGIN ENERGY RESOURCES LIMITED A.C.N. 007 845 338
VAMGAS PTY LTD A.C.N. 006 245 110
SANTOS AUSTRALIAN HYDROCARBONS PTY LTD A.C.N. 010 850 487
ORIGIN ENERGY CSG LIMITED A.C.N. 000 051 696
over
EASEMENT E ON SP130818
22. TRANSFER No 715191704 09/07/2013 at 11:20
EASEMENT IN GROSS: 707542593
SANTOS LIMITED TENANT IN COMMON 3263/10000
DELHI PETROLEUM PTY LTD TENANT IN COMMON 29/125
SANTOS PETROLEUM PTY LTD TENANT IN COMMON 117/625
ORIGIN ENERGY RESOURCES LIMITED TENANT IN COMMON 1339/8000
VAMGAS PTY LTD TENANT IN COMMON 601/8000
SANTOS AUSTRALIAN HYDROCARBONS PTY LTD
TENANT IN COMMON 3/250

CURRENT STATE TENURE SEARCH

NATURAL RESOURCES, MINES AND ENERGY, QUEENSLAND

Request No: 30028081

Search Date: 19/11/2018 09:15

Title Reference: 17666157

Date Created: 21/10/1995

ENCUMBRANCES AND INTERESTS

23. EASEMENT IN GROSS No 709586801 11/05/2006 at 15:15
burdening the land
SANTOS LIMITED A.B.N. 80 007 550 923
TENANT IN COMMON 3263/10000
DELHI PETROLEUM PTY LTD A.B.N. 65 007 854 686
TENANT IN COMMON 29/125
SANTOS PETROLEUM PTY LTD A.B.N. 95 000 146 369
TENANT IN COMMON 117/625
ORIGIN ENERGY RESOURCES LIMITED A.B.N. 66 007 845 338
TENANT IN COMMON 33/200
VAMGAS PTY LTD A.B.N. 76 006 245 110
TENANT IN COMMON 601/8000
SANTOS AUSTRALIAN HYDROCARBONS PTY LTD A.B.N. 83 010 850 487
TENANT IN COMMON 3/250
ORIGIN ENERGY CSG LIMITED A.B.N. 68 001 646 331
TENANT IN COMMON 19/8000
over
EASEMENTS A AND B ON SP171544
24. TRANSFER No 715191718 09/07/2013 at 11:21
EASEMENT IN GROSS: 709586801
SANTOS LIMITED TENANT IN COMMON 3263/10000
DELHI PETROLEUM PTY LTD TENANT IN COMMON 29/125
SANTOS PETROLEUM PTY LTD TENANT IN COMMON 117/625
ORIGIN ENERGY RESOURCES LIMITED TENANT IN COMMON 1339/8000
VAMGAS PTY LTD TENANT IN COMMON 601/8000
SANTOS AUSTRALIAN HYDROCARBONS PTY LTD
TENANT IN COMMON 3/250
25. EASEMENT IN GROSS No 709586837 11/05/2006 at 15:17
burdening the land
SANTOS LIMITED A.B.N. 80 007 550 923
TENANT IN COMMON 3263/10000
DELHI PETROLEUM PTY LTD A.B.N. 65 007 854 686
TENANT IN COMMON 29/125
SANTOS PETROLEUM PTY LTD A.B.N. 95 000 146 369
TENANT IN COMMON 117/625
ORIGIN ENERGY RESOURCES LIMITED A.B.N. 66 007 845 338
TENANT IN COMMON 33/200
VAMGAS PTY LTD A.B.N. 76 006 245 110
TENANT IN COMMON 601/8000
SANTOS AUSTRALIAN HYDROCARBONS PTY LTD A.B.N. 83 010 850 487
TENANT IN COMMON 3/250
ORIGIN ENERGY CSG LIMITED A.B.N. 68 001 646 331
TENANT IN COMMON 19/8000
over
EASEMENT F ON SP171545

CURRENT STATE TENURE SEARCH

NATURAL RESOURCES, MINES AND ENERGY, QUEENSLAND

Request No: 30028081

Search Date: 19/11/2018 09:15

Title Reference: 17666157

Date Created: 21/10/1995

ENCUMBRANCES AND INTERESTS

26. TRANSFER No 715191742 09/07/2013 at 11:25
EASEMENT IN GROSS: 709586837
SANTOS LIMITED TENANT IN COMMON 3263/10000
DELHI PETROLEUM PTY LTD TENANT IN COMMON 29/125
SANTOS PETROLEUM PTY LTD TENANT IN COMMON 117/625
ORIGIN ENERGY RESOURCES LIMITED TENANT IN COMMON 1339/8000
VAMGAS PTY LTD TENANT IN COMMON 601/8000
SANTOS AUSTRALIAN HYDROCARBONS PTY LTD
TENANT IN COMMON 3/250
27. EASEMENT IN GROSS No 709586913 11/05/2006 at 15:22
burdening the land
SANTOS LIMITED A.B.N. 80 007 550 923
TENANT IN COMMON 3263/10000
DELHI PETROLEUM PTY LTD A.B.N. 65 007 854 686
TENANT IN COMMON 29/125
SANTOS PETROLEUM PTY LTD A.B.N. 95 000 146 369
TENANT IN COMMON 117/625
ORIGIN ENERGY RESOURCES LIMITED A.B.N. 66 007 845 338
TENANT IN COMMON 33/200
VAMGAS PTY LTD A.B.N. 76 006 245 110
TENANT IN COMMON 601/8000
SANTOS AUSTRALIAN HYDROCARBONS PTY LTD A.B.N. 83 010 850 487
TENANT IN COMMON 3/250
ORIGIN ENERGY CSG LIMITED A.B.N. 68 001 646 331
TENANT IN COMMON 19/8000
over
EASEMENTS S,T,U,V,W,X,Y,Z,AA,AB AND AC ON SP166531
28. TRANSFER No 715191749 09/07/2013 at 11:26
EASEMENT IN GROSS: 709586913
SANTOS LIMITED TENANT IN COMMON 3263/10000
DELHI PETROLEUM PTY LTD TENANT IN COMMON 29/125
SANTOS PETROLEUM PTY LTD TENANT IN COMMON 117/625
ORIGIN ENERGY RESOURCES LIMITED TENANT IN COMMON 1339/8000
VAMGAS PTY LTD TENANT IN COMMON 601/8000
SANTOS AUSTRALIAN HYDROCARBONS PTY LTD
TENANT IN COMMON 3/250
29. AMENDMENT OF LEASE CONDITIONS No 716063411 09/10/2014 at 05:00
THE CONDITIONS OF THE WITHIN TENURE ARE HEREBY AMENDED.
30. EASEMENT IN GROSS No 716739564 08/09/2015 at 15:25
burdening the land
SANTOS LIMITED A.C.N. 007 550 923
over
EASEMENT AD ON SP271307

CURRENT STATE TENURE SEARCH

NATURAL RESOURCES, MINES AND ENERGY, QUEENSLAND

Request No: 30028081

Search Date: 19/11/2018 09:15

Title Reference: 17666157

Date Created: 21/10/1995

ADMINISTRATIVE ADVICES

Dealing	Type	Lodgement Date	Status
717904118	CON COM AGMT	17/03/2017 10:26	CURRENT
	MINERAL AND ENERGY RESOURCES (COMMON PROVISIONS) ACT 2014		
717904175	CON COM AGMT	17/03/2017 10:40	CURRENT
	MINERAL AND ENERGY RESOURCES (COMMON PROVISIONS) ACT 2014		
717904177	CON COM AGMT	17/03/2017 10:41	CURRENT
	MINERAL AND ENERGY RESOURCES (COMMON PROVISIONS) ACT 2014		

UNREGISTERED DEALINGS - NIL

Corrections have occurred - Refer to Historical Search

Caution - Charges do not necessarily appear in order of priority

** End of Current State Tenure Search **

Information provided under section 34 Land Title Act(1994) or
section 281 Land Act(1994)

COPYRIGHT THE STATE OF QUEENSLAND (NATURAL RESOURCES, MINES AND ENERGY) [2018]
Requested By: D-ENQ PROPERTY & TITLE SEARCH

ATTACHMENT 3 – PL 1047 RESOURCE AUTHORITY PUBLIC REPORT

PL 1047 Resource authority public report

The Queensland Government supports and encourages the dissemination and exchange of its information. The copyright in this publication is licensed under a Creative Commons Attribution 3.0 Australia (CC BY) licence.



Under this licence you are free, without having to seek our permission, to use this publication in accordance with the licence terms.

You must keep intact the copyright notice and attribute the State of Queensland as the source of the publication.

For more information on this licence, visit www.creativecommons.org/licenses/by/3.0/au/deed.en While every care is taken to ensure the accuracy of this product, the Queensland Government makes no representations or warranties about its accuracy, reliability, completeness or suitability for any particular purpose and disclaims all responsibility and all liability (including without limitation, liability in negligence) for all expenses, losses, damages (including indirect or consequential damage) and costs which you might incur as a result of the product being inaccurate or incomplete in any way and for any reason.

Table of Contents

Table of Contents	2
Permit details	3
Holders	4
Area	4
Term history	5
Native title	5
Purpose and minerals	5
Related permits	5
Financial	5
Activities	5

▼ P e r m i t d e t a i l s

Permit ID:	PL 1047
Status:	Application
Lodged date:	02/02/2018
Grant date:	
Commencement date:	
Expiry date:	
Term sought:	14 years
Conditions:	
Locality:	22.5km north east of the Ballera gas plant
Remarks:	
Act permit granted under:	
Act now administered under:	

▼ H o l d e r s

Authorised holder representative (AHR)

Santos Limited

Team Leader Tenures Compliance Level 22, Santos Place 32 Turbot Street BRISBANE QLD 4000

Holders

Holder name	Share %	Status	Held from	Held to	Authorised holder
* SANTOS LIMITED Team Leader, Tenures and Compliance Level 22, Santos Place 32 Turbot Street Brisbane QLD 4000	40.00000000000000	Current	02/02/2018		Yes
* DELHI PETROLEUMPTY LTD 25 CONYNGHAM STREET GLENSIDE SA 5065	32.00000000000000	Current	02/02/2018		No
* VAMGAS PTY LTD Team Leader, Tenures and Compliance Level 22, Santos Place 32 Turbot Street Brisbane QLD 4000	15.50000000000000	Current	02/02/2018		No
* MAWSON PETROLEUMPTY LIMITED 25 CONYNGHAM STREET GLENSIDE SA 5065	6.50000000000000	Current	02/02/2018		No
* AUSTRALIAN GASFIELDS LIMITED 9A Seaforth Crescent Seaforth NSW 2092	2.00000000000000	Current	02/02/2018		No
* BOUNTY OIL & GAS NL LEVEL 7 283 GEORGE STREET SYDNEY NSW 2000	2.00000000000000	Current	02/02/2018		No
* BRIDGEPORT (EROMANGA) PTY LTD LEVEL 7 111 PACIFIC HIGHWAY NORTH SYDNEY NSW 2000	2.00000000000000	Current	02/02/2018		No

Tenancy type: Tenancy in Common

▼ A r e a

Location:	View Map
Mining district:	Quilpie
Local authority:	Bulloo Shire Council
Area:	10 Sub-blocks
Exclusions:	
Marked out date:	

Sub-blocks

BIM	Block	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Cooper Creek	2857	A	B	C			F	G				L	M	N				R	S							

Background land

No data available

Survey plans

No data available

Relinquishment details

No data available

Sub-blocks retained

No data available

Term history

Term	Date notice issued	Date lodged	Date approved	Date commenced	Date term ends	Term	Act granted under
		02/02/2018					

Native title

Current process	Description
Existing agreement	QI2012/073

Purpose and minerals

Purpose
Petroleum production
Minerals
Petroleum

Related permits

Pre-requisite permits:	ATP 1189
------------------------	----------

Financial

Rent details	
Area units:	31
Rate/unit area:	

Activities

No data available

ATTACHMENT 4 – RIDA ASSESSMENT REPORT

**Regional Interests
Development Application
Assessment Report**

Okotoko North 1 Gas Well

Table of Contents

1.0	Introduction.....	4
1.1	Landholder Copy of the Application	4
1.2	Non-Notifiable Application.....	4
1.3	Referable Application	4
2.0	Proposed Activity.....	5
2.1	Existing Conventional Petroleum Well and Lease	5
2.2	Existing Access Tracks	7
2.1	Existing Borrow Pit.....	7
2.2	Existing Buried Pipeline	7
3.0	Environmental Attributes and Potential Impacts	8
3.1	Riparian Process	8
3.1.1	Potential Impacts.....	8
3.1	Wildlife Corridors	10
3.1.1	Potential Impacts.....	10
3.2	Water Quality	10
3.2.1	Potential Impacts.....	11
3.3	Hydrological Processes.....	12
3.3.1	Potential Impacts.....	12
3.4	Geomorphic Processes.....	13
3.4.1	Potential Impacts.....	13
3.5	Beneficial Flooding.....	15
3.5.1	Potential Impacts.....	15
4.0	Required Outcome Assessment.....	16
	Appendix A – Definitions	18

Tables

Table 1: Pre-Existing Surface Disturbance	5
Table 2: Cooper Creek Surface Water Quality (1956-2016)	10
Table 3: Land System at Proposed Activity Location	13
Table 4: Schedule 2, Part 5 RPI Reg	16

Figures

Figure 1: Location of Pre-Existing Infrastructure	6
Figure 2: Example Borrow Pit Ripping for Rehabilitation	7
Figure 3: Regional Ecosystems.....	9
Figure 4: Watercourses, Wetlands and Strategic Environmental Areas	14

Abbreviations and Units

Acronym	Description
ATP	Authority to Prospect
DES	Department of Environment and Science, Queensland
DILGP	Department of Infrastructure, Local Government and Planning
DNRM	Department of Natural Resources and Mines
EA	Environmental Authority
ha	Hectares
km	Kilometre
m	Metres
N/A	Not Applicable
P&G Act 2004	<i>Petroleum and Gas (Production and Safety) Act 2004</i>
PL	Petroleum Lease
QLD	Queensland
RE	Regional Ecosystem
RIDA	Regional Interests Development Approval
RPI Act	<i>Regional Planning Interests Act 2014</i>
RPI Reg	<i>Regional Planning Interests Regulation 2014</i>
SEA	Strategic Environmental Areas

1.0 Introduction

Santos Limited (Santos) has prepared this assessment report to support an assessment application for a Regional Interests Development Approval (RIDA) as required under s29 of the *Regional Planning Interests Act 2014* (RPI Act) to be submitted to the Department of Infrastructure, Local Government and Planning (DILGP).

This application is of an administrative nature. It seeks only to authorise petroleum production on Lot 1 on Plan SP133822 and PL1047 within the Channel Country SEA from the existing Okotoko North 1 petroleum well and associated infrastructure. This is a result of a change in tenure from Authority to Prospect (ATP) to a Production Licence (PL), and subsequent requirement for a new Environmental Authority (EA). The new tenure and EA are to allow for commercialisation of a petroleum product, following extended production testing, conducted under Authority to Prospect (ATP) 1189.

This assessment report has been prepared in accordance with the RPI Act *Statutory Guideline 01/14: How to make an assessment application for a regional interests development approval under the Regional Planning Interests Act 2014* and the RPI Act *Statutory Guideline 05/14: Carrying out resource activities and regulated activities within a Strategic Environmental Area*.

This assessment report provides the following:

- Description of the proposed activities;
- Identification of the relevant environmental attributes of the land subject to the application;
- Evaluation of the potential impacts on the identified relevant environmental attributes; and
- An assessment of how the proposed activities meet the required outcome for Strategic Environmental Areas (SEA) as detailed in the *Regional Planning Interests Regulation 2014* (RPI Reg).

1.1 Landholder Copy of the Application

Separate regulatory systems are in place that require Santos to notify the landholder of petroleum activities occurring within their properties. Given the pre-existing nature of the activities (refer Section 2.0), notification to the landholder has already ensued. Notwithstanding, a copy of the application will be given to the landowner within 5 business days after the application is made, in accordance with Section 30 of the RPI Act and Schedule 5 of the RPI Reg.

1.2 Non-Notifiable Application

In accordance with Section 34(2) of the RPI Act, and Section 13 of the RPI Reg, notification of the assessment application is not mandatory, as the activities are not proposed to be carried out in an area of regional interest that is a priority living area.

The proposed activities would be located solely on Lot 1 SP133822 forming part of Durham Downs Pastoral Station, an 8,910 km² cattle station operated by S Kidman & Co Ltd. Discretionary notification under s34(4) would not be necessary given the pre-existing nature of the activities (notification to the landholder has already ensued), the very large size of the cattle station relative to the activities and that the landholder will receive a copy of the application as described below.

1.3 Referable Application

In accordance with Section 12(2) and Schedule 1 of the RPI Reg, the application is referable to the Department of Environment and Science (DES) and the Department of Natural Resources, Mines and Energy (DNRME).

2.0 Proposed Activity

Santos is seeking to undertake 'petroleum production' on Lot 1 on Plan SP133822 and PL1047 within the Channel Country SEA from the infrastructure and disturbances listed in Table 1 and shown in Figure 1:

Table 1: Pre-Existing Surface Disturbance

Pre-Existing Infrastructure	Pre-Existing Disturbance	
	Length	Area
Petroleum Well Pad (Okotoko Norht 1)	N/A	1.4 ha
Buried Pipeline	3 km	0.3 ha
Access Track	0.9 km	0.55 ha
Borrow Pit	N/A	0.69 ha
		2.94 ha

The infrastructure listed in Table 1 is pre-existing infrastructure, constructed and operated for the purposes of exploration and production testing activities as authorised by ATP 1189 and EA EPPG03518215. Santos now intends to utilise this infrastructure for the purpose of 'petroleum production' as evidenced by the submission of an application for PL 1047 on 2 February 2018 and an amendment application to EA EPPG03518115 to add PL 1047 on 23 July 2018.

The activity of petroleum production will not change the nature of the activities already conducted at these locations. 'Production' primarily refers to the ongoing commercialisation of the petroleum product generated from the activity. No new surface disturbance to land is required as part of this activity at this location. Activities will be limited to 'production' operational maintenance and restoration at their end-of-life. Descriptions of the activities are provided below (Section 2.1 to 2.4) with definitions provided in Appendix A.

Okotoko North 1 and associated infrastructure is located on the Durham Downs Pastoral Station (Lot 1 on Plan SP133822). Durham Downs is a pastoral lease that operates as a cattle station with a capacity of up to 21,500 head of cattle¹. The primary land uses are cattle grazing and petroleum activities.

2.1 Existing Conventional Petroleum Well and Lease

The existing Okotoko North 1 well currently extracts petroleum for exploration and production testing purposes via surface facilities including a well head, which comprises of equipment on the surface that supports the various pipe strings, seals off the well, and controls the paths and flow of reservoir fluids. It is feasible that workover operations will be required for the Okotoko North 1 well in the future. Workover operations include activities such as, cleaning out of production conduits and replacing tubing, retrieving or drilling out obstructions in the well, and well bore decommissioning. For some workovers, a workover rig and associated infrastructure (i.e. a drilling fluids sump) would need to be set up within the existing disturbance footprint for a temporary duration. Workover activities would be scheduled to be completed outside of the wet season.

¹ S. Kidman & Co Ltd (2018) *Durham Downs*, <https://www.kidman.com.au/properties/5/durham-downs>

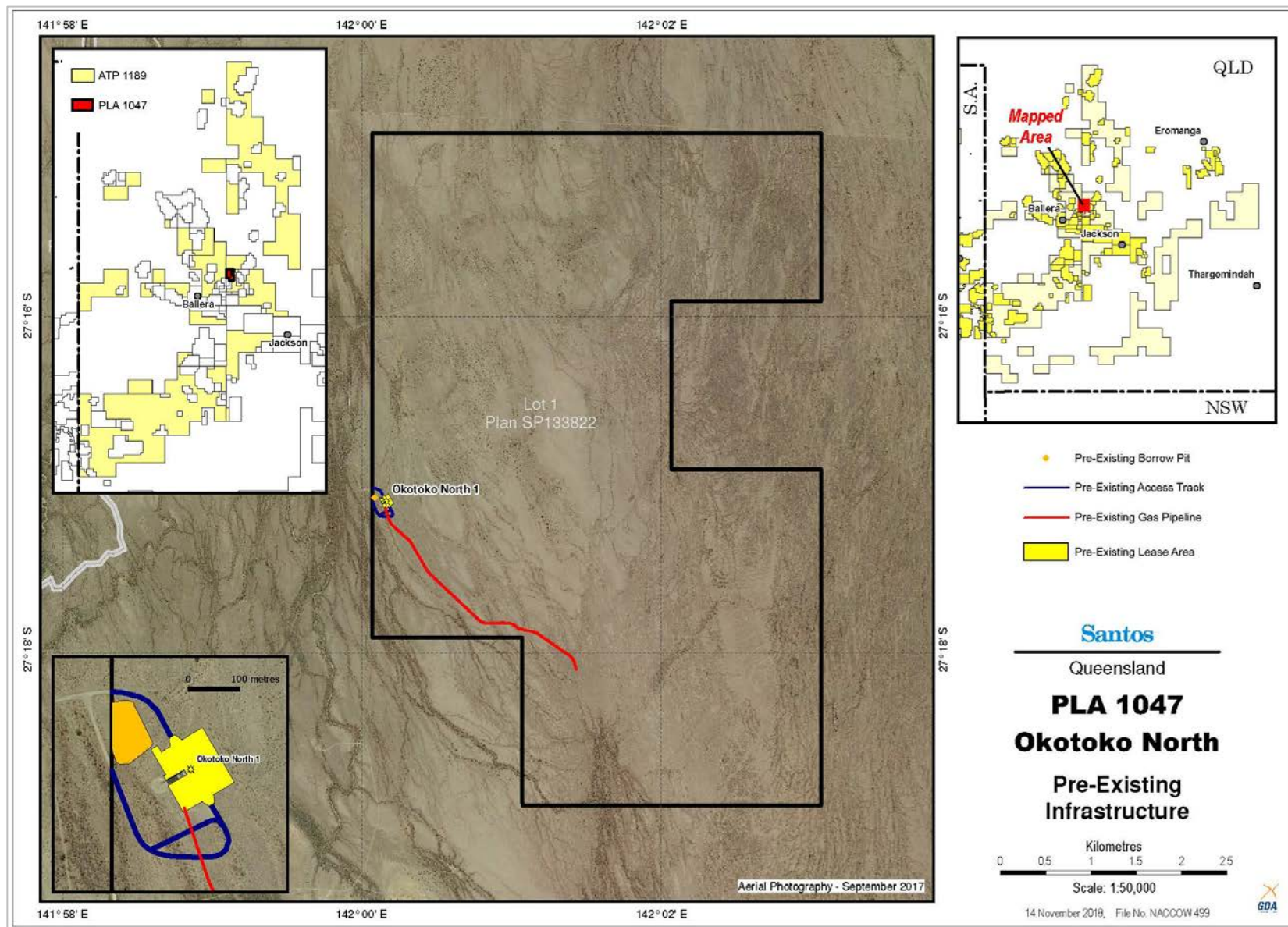


Figure 1: Location of Pre-Existing Infrastructure

Extracting petroleum for 'production' will not change the nature of the activities already conducted at this location. The change in tenure is to enable the commercialisation of the petroleum product only. No new surface disturbance to land outside of the existing disturbance footprint is required at this location to facilitate ongoing production. The well will be restored at end-of-life in accordance with the P&G Act 2004 and the relevant EA conditions.

2.2 Existing Access Tracks

Access tracks are proposed to be used for ongoing access to the Okotoko North 1 well. No new access tracks are proposed. Pre-existing access tracks are not designed to be used during wet weather conditions, and therefore have not been constructed to any flood immunity, and will facilitate the passage of water keeping with existing hydrology. Maintenance of the tracks may be required over time (e.g. light grade). The access tracks will be restored at end-of-life in accordance with the *Petroleum and Gas (Production and Safety) Act 2004* (P&G Act 2004) and the relevant EA conditions.

2.1 Existing Borrow Pit

The borrow pit is proposed to be used to provide a source of material required for ongoing well lease and access track maintenance. The existing side batters of the borrow pit are maintained at a slope of approximately 3:1, and the batters of the entrance / exit are maintained at a slope of approximately 7:1. The borrow pit will be progressively restored by ripping the floor and sides of the borrow pit to a minimum depth of 500 mm generally along the contour (Figure 2). Stockpiled topsoil and vegetation is then respread to a uniform depth over the entire area from which it was removed. The sides and floor of the pit are graded to give a contoured finish, as required by the relevant EA conditions.

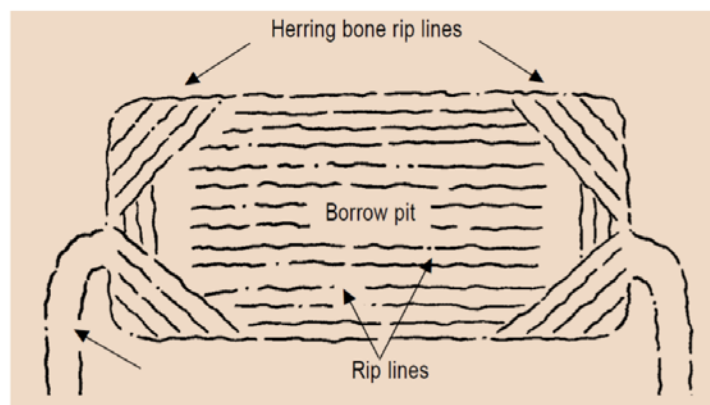


Figure 2: Example Borrow Pit Ripping for Rehabilitation

2.2 Existing Buried Pipeline

The existing pipeline is proposed to be utilised to transport extracted petroleum for production. The existing pipeline is buried underground and the surface has been rehabilitated to reinstate existing drainage. It is connected to the existing pipeline gathering network, to the Wippo to Okotoko Gas Spine (PPL 39), and currently transports petroleum for exploration and production testing purposes. Transporting petroleum for sale will not change the nature of the activities already conducted at this location. No new surface disturbance to land is required. The pipeline will be restored at end-of-life in accordance with the relevant EA conditions.

3.0 Environmental Attributes and Potential Impacts

Section 7 of the RPI Reg prescribes the following environmental attributes relevant to the Channel Country SEA:

- (a) the natural hydrologic processes of the area characterised by—
 - (i) natural, unrestricted flows in and along stream channels and the channel network in the area; and
 - (ii) overflow from stream channels and the channel network onto the flood plains of the area, or the other way; and
 - (iii) natural flow paths of water across flood plains connecting waterholes, lakes and wetlands in the area; and
 - (iv) groundwater sources, including the Great Artesian Basin and springs, that support waterhole persistence and ecosystems in the area;
- (b) the natural water quality in the stream channels and aquifers and on flood plains in the area;
- (c) the beneficial flooding of land that supports flood plain grazing and ecological processes in the area.

DILGP's RPI Act Statutory Guideline 05/14: Carrying out resource activities and regulated activities within a Strategic Environmental Area summarises the above attributes to broadly relate to:

- Riparian process;
- Wildlife corridors;
- Water quality;
- Hydrologic processes;
- Geomorphic processes; and
- Beneficial flooding.

As discussed in Section 2.0, the proposed activity of petroleum production will not change the nature of the activities already conducted from existing infrastructure. The proposed activity is limited to production, operational maintenance and restoration of existing infrastructure at end-of-life. Notwithstanding, the relevance of the above environmental attributes to the activity is described below.

3.1 Riparian Process

The proposed activity would be undertaken within Regional Ecosystems (REs) 5.3.18b/5.3.18a/5.3.8a (60/30/10) (see Figure 3). These REs are listed as of No Concern at Present (NCAP), are known to include riparian vegetation, and are subject to long-term grazing from operation of the Durham Downs pastoral lease. They consist of variable sparse to open-herbland with either grasses or forbs dominating the ground layer depending on incidence of flooding and seasonal conditions (5.3.18b); *Chenopodium auricomum open shrubland*, frequently with pure stands of *Chenopodium auricomum* (5.3.18a); and *Eucalyptus coolabah* low open woodland with a distinct and semi-continuous, low shrub layer dominated by *Duma florulenta*. The braided channels associated with the Cooper Creek surround the proposed activity; at its closest point, the Cooper Creek is located approximately 250m to the west.

3.1.1 Potential Impacts

The activity is located within the existing infrastructure footprint. No new surface disturbance to land, such as clearing vegetation in or near streams, lakes, floodplains or wetlands, is required as part of the proposed activity. Access to and from the proposed activity will occur along the existing access tracks only.

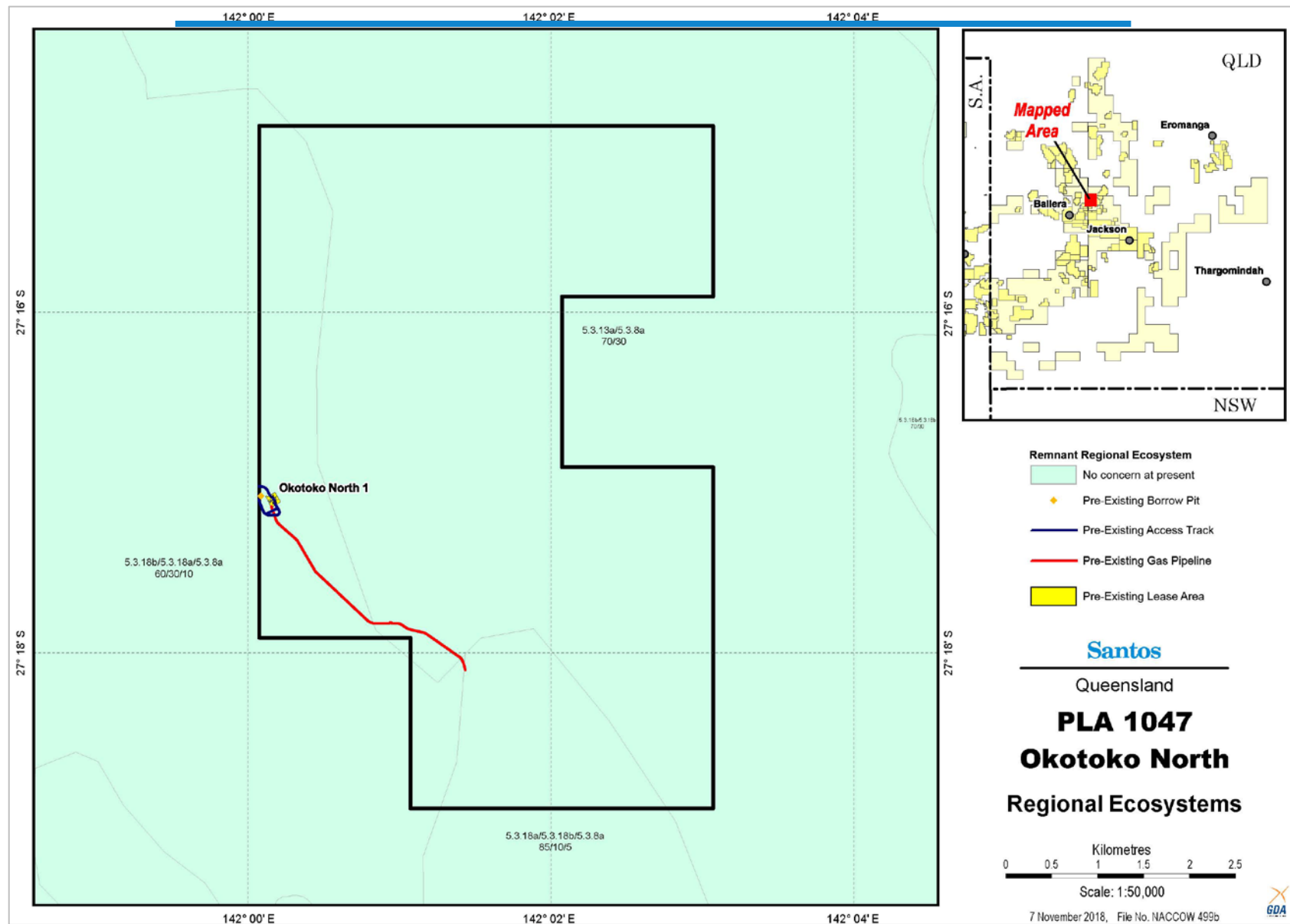


Figure 3: Regional Ecosystems

Following cessation of petroleum production, existing infrastructure would be rehabilitated to promote the natural re-establishment of vegetation consistent with the surrounding undisturbed land in accordance with the relevant EA conditions. As such, there will be no new disturbance or change to riparian corridors along streams and lakes and within floodplains and wetlands as a part of this activity. Accordingly, the proposed activities would not cause a widespread or irreversible impact on riparian processes within the Channel Country SEA.

3.1 Wildlife Corridors

The proposed activity is located within a pre-disturbed area of an existing vegetated corridor. The area where the Okotoko North 1 well is located has been extensively overgrazed from operation of the Durham Downs pastoral lease. The REs surrounding the location (REs 5.3.18b/5.3.18a/5.3.8a (60/30/10)) may provide suitable general habitat for a range of wetland water birds, and for the Western Taipan (*Oxyuranus microlepidotus*) (Least Concern). There are no mapped Environmentally Sensitive Areas (ESA) near the Okotoko North 1 well; the closest ESA, Category C ESA Essential Habitat, is located approximately 5 km to the southeast.

3.1.1 Potential Impacts

No new disturbance(s) to aquatic and terrestrial fauna or wildlife corridors is to be undertaken as part of this activity. Measures will be adopted to prevent fauna entrapment within operational areas, and hygiene protocols will be implemented as appropriate to minimise the introduction, spread and persistence of weed species, in accordance with relevant EA conditions. Access to and from the proposed activity will occur along the existing access tracks only. Following cessation of petroleum production, existing infrastructure would be rehabilitated to promote the natural re-establishment of vegetation consistent with the surrounding undisturbed land, in accordance with relevant EA conditions. As such, there is no disturbance or change to wildlife corridors as a part of this activity and therefore the proposed activities would not cause a widespread or irreversible impact on wildlife corridors within the Channel Country SEA.

3.2 Water Quality

Surface Water

The proposed activity is located within an area of the Cooper Creek basin that is not typically flowing and is subject to intermittent flows associated with Cooper Creek flood events; which have occurred five times since 1989 (using Landsat data). Historical (1965-2016) water quality data from the QLD Government's Cooper Creek gauging station 003103A, located approximately 95km south west, is summarised in Table 2.

Table 2: Cooper Creek Surface Water Quality (1956-2016)

Parameter	Average Value
Conductivity @ 25°C	345 µS/cm
Turbidity	512 NTU
pH	7.4
Total Nitrogen	1.4 mg/L
Total Phosphorus as P	0.4 mg/L
Sodium as Na	44.6 mg/L
Magnesium as Mg	7.4 mg/L
Chloride as Cl	62.6 mg/L

Fluoride as F

0.2 mg/L

Groundwater

The main GAB aquifers (i.e. in the Eromanga Basin stratigraphy) in relation to PL 1047 are the Winton Formation, Cadna-owie Formation, Hooray Sandstone, Hutton Sandstone and Poolowanna Formation (Precipice Sandstone equivalent). The aquifers of the Eromanga Basin are considered highly productive aquifers over most of the GAB. Shallow groundwater is generally found within the Quaternary and Tertiary alluvium formations associated with the very flat structures of flood plains and is absent where the Winton Formation occasionally outcrops. Groundwater from Tertiary sediments and the Winton Formation are characterised by a higher proportion of sodium and magnesium ranging in EC values from 3,000 to 13,000 $\mu\text{S}/\text{cm}^2$.

The aquifers of the Cooper Basin, which underlies the GAB sediments of the Eromanga Basin, are not considered sandstone aquifers of the GAB. Groundwater yields from the Cooper Basin may be feasible from the Wimmera Sandstone, Toolachee Formation, Epsilon Formation, Patchawarra Formation and Tirrawarra Formation.

The Okotoko North 1 well primarily targets the Toolachee Formation, but also intersects the secondary Epsilon and Patchawarra formations of the Cooper Basin. Together with the Tirrawarra Sandstone, these formations are the main gas reservoirs within the Cooper Basin and are located at depths of 2000 m or more.

Within the Santos Cooper Basin tenements, only the upper aquifers of the Eromanga Basin sequence are of economic interest to the local community. This is due to the significant depth of the water bearing formations in the Cooper Basin and the general unreliability of the groundwater quality that may be encountered (i.e. it may have a high salinity and contain free and dissolved hydrocarbons).

No registered groundwater bores are located nearby to the proposed activity. There are no known groundwater dependent ecosystems, including Great Artesian Basin springs, which support permanent waterholes or aquatic ecosystems in the area. The closest Great Artesian Basin discharge / recharge springs are located greater than 200 km from Okotoko North 1.

3.2.1 Potential Impacts

The activity does involve any new surface disturbance to land, such as clearing vegetation in or near streams, lakes, floodplains or wetlands. No activities proposed involve the discharges of water (point or diffuse sources) or the construction or operation of regulated dams and other major infrastructure (i.e. separation ponds, permanent camps).

Any fuels / chemicals used on site would be stored and handled in accordance with Australian Standards and spill kits will be located onsite where required to contain any spills should they occur. All waste materials and non-essential infrastructure will be removed at the end of the petroleum activities as soon as reasonably practicable, minimising risks associated with contamination, or a reduction in water quality, in accordance with EA conditions.

Contingency measures for unplanned releases of discharges of contaminants will be implemented in accordance with EA conditions. Moreover, due to the slow nature of the encroachment of flood waters in the Cooper Creek, sufficient time is generally available to prepare operational areas for potential flood impacts e.g. in these situations all non-essential materials present on site at the time (e.g. hydrocarbons, chemicals, infrastructure) shall be removed from operational areas prior to the arrival of floodwaters.

² Golder Associates 2013 *Underground Water Impact Report For Santos Cooper Basin Oil & Gas Fields, SW QLD*

The petroleum well has been completed with steel surface casing, steel production casing, and cement to isolate the well from aquifers, including the Great Artesian Basin, and other geological units.

Given the scope of proposed activities, combined with the above management measures, petroleum production from pre-existing infrastructure is unlikely to disturb or alter the physical, chemical and biological quality of water in the watercourse channels and on floodplains that support and maintain the natural aquatic and terrestrial ecosystems. Accordingly, the proposed activities would not cause a widespread or irreversible impact on water quality within the Channel Country SEA.

3.3 Hydrological Processes

Regional

Topography is limited to low undulating topography between the drainage channel system. The Channel Country is characterised by vast flat-lying, braided, flood and alluvial plains surrounded by gravel or gibber plains, dunefields and low ranges. The low resistant hills and tablelands are remnants of the flat-lying Cretaceous sediments.

The drainage system is dominated by the Cooper Creek Basin draining towards Lake Eyre. During periods of high rainfall, the flat topography and drainage channel system becomes a largely flooded plain with water flow concentrating where Cooper Creek crosses the QLD-SA border. The Cooper Creek system catchment covers an area of approximately 300,000 km². Generally, Cooper Creek streamflow is confined to the main channels, but every 3-4 years, flows are sufficient to inundate parts of the Cooper floodplain via a network of tributary channels. During extended periods of no flow, the Cooper Creek contracts to a series of waterholes. Very large Cooper Creek flood events with the potential to inundate the broader Channel Country region, and flow water into the lower Cooper Creek in South Australia, occur on average once every 10 years, reaching Lake Eyre North in an estimated 1 in every 20 years

Local

The braided channels associated with the Cooper Creek surround the proposed activity; at its closest point, the Cooper Creek is located approximately 250m to the west (Figure 4). The proposed activity is subject to intermittent flows associated with Cooper Creek flood events, which have occurred five times since 1989 (using Landsat data). The area of the proposed activity would experience intermittent surface water flows during storm events, causing localised ponding of surface water (occurring on average once every 5 years). The proposed activity is within an arid / semi-arid floodplain lignum swamp.

3.3.1 Potential Impacts

The proposed activity is located within the existing infrastructure footprint. The access tracks have not been constructed to any flood immunity, and will facilitate the passage of water keeping with existing hydrology. The existing pipeline is buried underground and the surface has been rehabilitated to reinstate existing drainage. Any surface infrastructure required as a part of future workover activities (i.e. a drilling sump), may result in diversion or interception of a negligible amount of overland flow, when considering the small footprint of the activity relative to the sub-catchment area (typical drilling sump has an operating volume of approximately 300kL and is designed to exclude surface flow). However, all workover activities would be temporary in nature and would be scheduled to be completed outside of the wet season (infrastructure removed prior to Cooper Creek flood events), therefore diversion or interception of overland flow is not expected. No new surface disturbance to land, such as clearing vegetation in or near streams, lakes, floodplains or wetlands, is required as part of the proposed activity. Given the nature of the proposed activities, and the implementation of the above design and management measures, there would be no widespread or irreversible impact on hydrological processes within the Channel Country SEA.

3.4 Geomorphic Processes

Regional

Surface geology is dominated by Quaternary alluvium deposits associated with flood plains, with consolidated Tertiary sediments or Winton Formation on the higher ground. Cooper Creek is a large sedimentary sump accreting over a vast floodplain³.

Local

Land systems mapped at the location of the proposed activities are consistent with Landzone mapping. The proposed activity location is entirely mapped as an alluvial plain with gradients less than 1:5000 and anastomosing channels, main channels and shallow flood depressions. The area is associated with the irregularly flooded Cooper Creek main channel area⁴. Land systems present within the proposed activity location is summarised in Table 3. Soils are entirely mapped as grey clays and grey cracking clays (Map Code: CC87)⁵.

Table 3: Land System at Proposed Activity Location

Map Code	Land System Description	Agricultural Land Class
C1	Alluvial plains with gradients of less than 1:5,000; with anastomosing channels (0.1 to 1 m relief), main channels (<10 m relief), shallow flood depressions, waterholes, billabongs and swamps, and slightly elevated more stable alluvial islands. Isolated sand dunes.	C1 - Pasture Land - native pastures

3.4.1 Potential Impacts

The proposed activity is located within the existing infrastructure footprint. No new surface disturbance to land, such as excavation, clearing or realigning the beds and banks of watercourse, cultivating soil or excavating on floodplains, are required as part of the proposed activity. No new structures are proposed to be placed in a watercourse, lake or spring or on floodplains as a part of this activity.

The proposed activities is located away from the sources / areas of significant geomorphic processes, approximately 250m from the closest watercourse. The access tracks have not been constructed to any flood immunity, and will facilitate the passage of water keeping with existing hydrology. The existing pipeline is buried underground and the surface has been rehabilitated to reinstate existing drainage. Any surface infrastructure required as a part of future workover activities (i.e. a drilling sump), may result in diversion or interception of a negligible amount of overland flow, when considering the small footprint of the activity relative to the sub-catchment area (typical drilling sump has an operating volume of approximately 300kL). However, all workover activities would be temporary in nature and would be completed outside of the wet season, therefore diversion or interception of overland flow is not expected.

³ Maroulis, J (undated) *Channel Country landforms and the processes that shape them*. University of Southern QLD Faculty of Education/Australian Centre for Sustainable Catchments.

⁴ DES (2018). Land systems – western arid region land use study – part 1 – AWA2 (spatial dataset), Accessed 14/05/2018. Available online at: gldspatial.information.qld.gov.au

⁵ ASRIS (2018). Atlas of Australian Soils (spatial dataset), Australian Soil Resource Information System (CSIRO), Accessed 14/05/2018. Available online at: <http://www.asris.csiro.au/downloads/Atlas/soilAtlas2M.zip>

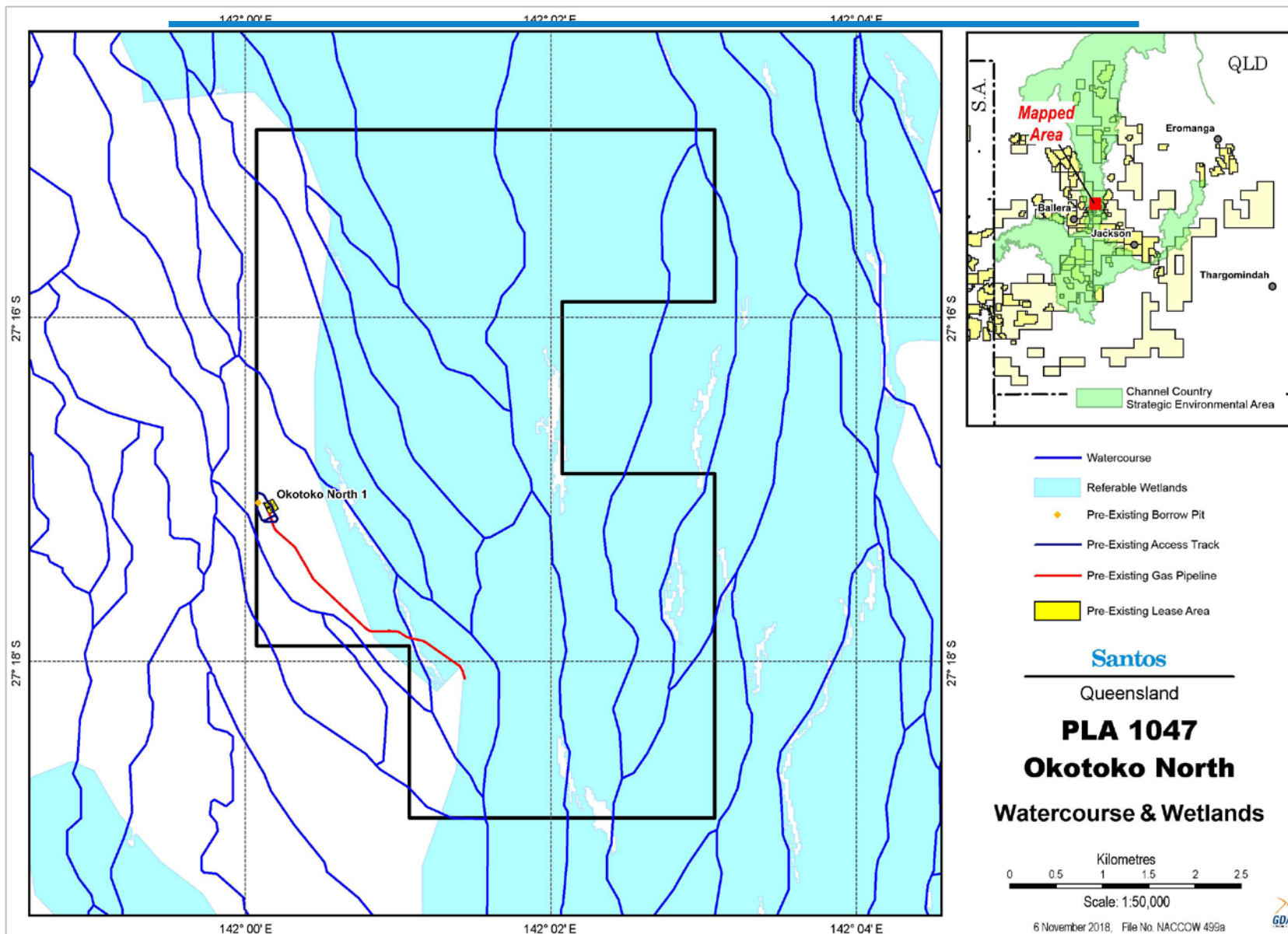


Figure 4: Watercourses, Wetlands and Strategic Environmental Areas

Following cessation of petroleum production, existing infrastructure would be rehabilitated to promote the natural re-establishment of vegetation consistent with the surrounding undisturbed land. As such, the proposed activity would not alter the delivery of sediment to the river system from adjacent lands and the natural erosion of the bed, banks and floodplains. Accordingly, it is not envisaged that the proposed activity would not cause a widespread or irreversible impact on geomorphic processes within the Channel Country SEA.

3.5 Beneficial Flooding

The braided channels associated with the Cooper Creek surround the proposed activity; at its closest point, the Cooper Creek is located approximately 250m to the west. Notwithstanding, the area of the proposed activity would experience intermittent surface water flows during storm events, causing localised ponding of surface water (occurring on average once every 10 years).

Generally, the surrounding Cooper Creek streamflow is confined to the main channels, but every 3-4 years, flows are sufficient to inundate parts of the Cooper floodplain via a network of tributary channels. During extended periods of no flow, the Cooper Creek contracts to a series of waterholes. Very large Cooper Creek flood events with the potential to inundate the broader Channel Country region, and flow water into the lower Cooper Creek in South Australia, occur on average once every 10 years, reaching Lake Eyre North in an estimated 1 in every 20 years.

3.5.1 Potential Impacts

The proposed activity is located within the existing infrastructure footprint. No new surface disturbance activities, including placing new infrastructure within SEA, are proposed as part of this activity. Following cessation of petroleum production, existing infrastructure would be rehabilitated to promote the natural re-establishment of vegetation consistent to the surrounding undisturbed land. Given no new disturbance or activities other than 'production' from existing authorised infrastructure is proposed (as described in Section 2.0), altered natural flow paths and natural extent of flooding across floodplains will not occur. Accordingly, the proposed activities would not cause a widespread or irreversible impact on beneficial flooding within the Channel Country SEA.

4.0 Required Outcome Assessment

Schedule 2, Part 5 of the RPI Reg provides criteria for assessment by agencies. In accordance with Section 14(3) of the RPI Reg, if the application demonstrates compliance with either of the prescribed solutions stated in Part 5, Schedule 2, the proposed activity will meet the required outcome for the regional interest. Critically, the application demonstrates that the prescribed solution provided in s15(1)(a) will be met as the proposed activity, the production of gas from the Okotoko North 1 gas well will not impact on an environmental attribute of the Channel Country SEA. The application also demonstrates the prescribed solution provided in s15(1)(b) will also be met (Table 4).

Table 4: Schedule 2, Part 5 RPI Reg

Schedule 2, Part 5 RPI Reg		Relevance To Application
14 Required outcome <i>The activity will not result in a widespread or irreversible impact on an environmental attribute of a strategic environmental area.</i>	✓	The proposed activities will not result in widespread or irreversible damage to the environmental attributes listed in s7 of the RPI Reg for the Channel Country SEA as described in Section 3.0.
15 Prescribed solution <i>(1) The application demonstrates either— (a) the activity will not, and is not likely to, have a direct or indirect impact on an environmental attribute of the strategic environmental area; or</i>	✓	Refer to Section 3.0.
<i>(b) all of the following— (i) if the activity is being carried out in a designated precinct in the strategic environmental area—the activity is not an unacceptable use for the precinct;</i>	✓	The proposed activities do not include any of the unacceptable uses prescribed by Section 15(2) of the RPI Act.
<i>(ii) the construction and operation footprint of the activity on the environmental attribute is minimised to the greatest extent possible;</i>	✓	Existing operational footprint will be utilised entirely. No new disturbance footprint is proposed within this application.
<i>(iii) the activity does not compromise the preservation of the environmental attribute within the strategic environmental area;</i>	✓	Refer to Section 3.0.
<i>(iv) if the activity is to be carried out in a strategic environmental area identified in a regional plan—the activity will contribute to the regional outcomes, and be consistent with the regional policies, stated in the regional plan.</i>	✓	The South West Regional Plan does not identify the Channel Country SEA.

As discussed within Section 2.1, a drilling fluids sump may be required as a part of future temporary workover activities. The application also demonstrates the proposed use of a temporary drilling sump does not constitute a regulated activity as defined by the RPI Act.

s11(3) of the Regional Planning Interests Regulation 2014		Relevance To Application
<p><i>Water storage (dam) is storing water using a dam, other than storing water on land to be used only for any or all of the following purposes—</i></p> <p><i>(a) to meet the domestic water needs of the occupants of the land;</i></p> <p><i>(b) to water the stock that is usually grazed on the land;</i></p> <p><i>(c) to water stock that is travelling on a stock route on or near the land.</i></p>	✓	<p>N/A – the application does not propose to store water in a dam; The application proposes the temporary storing of drilling fluids in a drill sump designed to exclude surface flow if/when workover activities require it. Santos drilling sumps are designed to exclude surface flow and avoid the impounding of surface water. In addition, workover activities would be scheduled to be completed outside of the wet season, therefore all surface infrastructure, including a drill sump, would be removed prior to Cooper Creek flood events.</p>
Schedule 6 of the Regional Planning Interests Regulation 2014		Relevance to the application
<p><i>dam—</i></p> <p><i>(a) means the following—</i></p> <p><i>(i) a barrier, whether permanent or temporary, that does, could or would impound water;</i></p>	✓	<p>N/A – the drilling sump would not impound water. Santos drilling sumps are designed to exclude surface water and avoid the impounding of surface water. Workover activities would be scheduled to be completed outside of the wet season, therefore all surface infrastructure, including a drill sump, would be removed prior to Cooper Creek flood events.</p>
<p><i>(ii) the storage area created by the barrier;</i></p> <p><i>(iii) an embankment or other structure that is associated with the barrier and controls the flow of water; but</i></p>	✓	<p>N/A – the sump would not constitute a barrier for the storage of water.</p>
<p><i>(b) does not include a water tank, including a rainwater tank, constructed of steel, concrete, fibreglass, plastic or similar material.</i></p>	✓	<p>N/A – the proposed sump does not constitute a water tank.</p>

Appendix A – Definitions

Activity	Definition
Access Track	A cleared track approximately 6 m in width constructed of earthen material to facilitate ongoing operational maintenance access to the petroleum well.
Borrow Pit	A source of shallow earthen material excavated to provide material for well lease and access track maintenance.
Buried Pipeline	A pipeline buried underneath the ground used to transport petroleum.
Petroleum Production	A petroleum well operated under normal producing conditions to extract gas for ongoing commercial sale.
Production Testing	A petroleum well operated under normal producing conditions to capture key production measurements used to inform whether commercially viable quantities of gas are present for extraction.
Petroleum Well	A hole in the ground made by drilling through which petroleum or a prescribed gas is produced.
Petroleum Well Pad	An area of up to 1.4 hectares (e.g. approximately 120 m x 120 m) used to provide a stable platform for workover rigs and the operation of a petroleum well.

ATTACHMENT 5 – GIS FILES