



Planning & Environment

Planning Services

Resource Assessments

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Mr Neale House
Manager Environment and Water
Santos Energy NSW
Level 22, 1 Macquarie Place
SYDNEY NSW 2000

Dear Mr House

Narrabri Gas Project – Site Verification Certificate


I refer to your application for a site verification certificate under Part 4AA of the *State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007* (Mining SEPP) for land contained within the Narrabri Gas Project area.

The Department has reviewed Santos's revised report "*Narrabri Gas Project – Site Verification of Biophysical Strategic Agricultural Land, November 2015*" and received advice from OEH confirming that, based on this report and data supplied in support of the application, the project area assessed does not contain Biophysical Strategic Agricultural Land (BSAL).

Accordingly, please find attached a site verification certificate issued for the Narrabri Gas project area in accordance with clause 17C(1) of the Mining SEPP.

If you have any enquiries, please contact me on 0477 345 626.

Yours sincerely



2/12/15

Stephen O'Donoghue
Team Leader - Resource Assessments

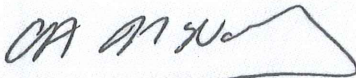
**Site Verification Certificate
Narrabri Gas Project**

Part 4AA, Division 3 of State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007

Pursuant to clause 17C(1) of State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007, I determine the application made by Santos by issuing this certificate.

I certify that in my opinion, having regard to the criteria in the *Interim Protocol for site verification and mapping of biophysical strategic agricultural land*, the land specified in Schedule 1 forming the project area of the Narrabri Gas Project is not Biophysical Strategic Agricultural Land.

The reasons for forming the opinion on each of the relevant criteria are contained in Schedule 2.

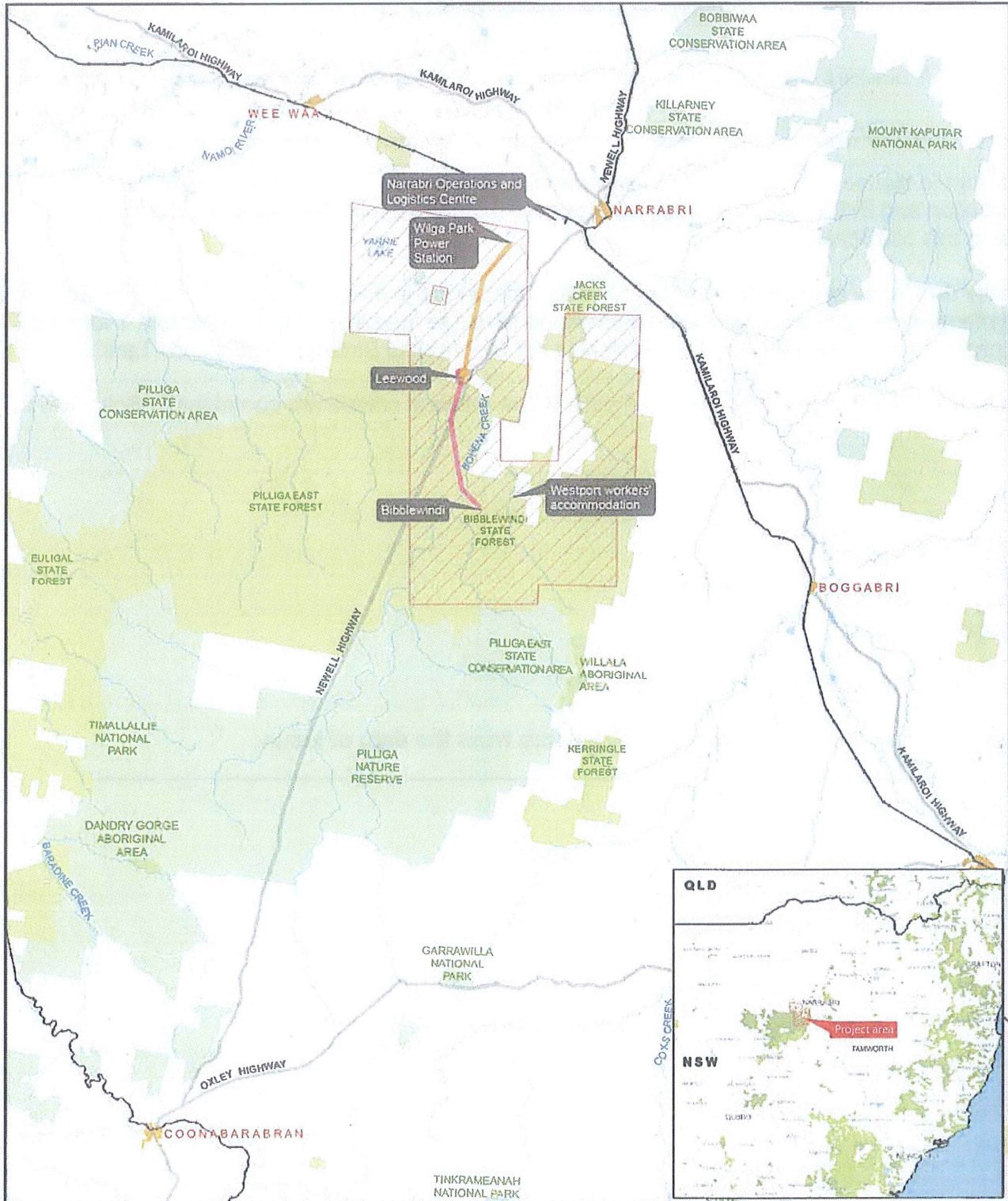


Carolyn McNally
Secretary

Date certificate issued: 1.12.15

This certificate will remain current for 5 years from the date of issue.

SCHEDULE 1



- LEGEND**
- Project area
 - Leewood
 - Urban Areas
 - State forest
 - Parks and reserves
 - Aboriginal areas
 - Lakes and dams
 - Watercourses
 - Highways
 - Major Roads
 - Train line
 - Leewood to Wilga Park infrastructure corridor
 - Bibblewindi to Leewood infrastructure corridor

0 5 10 20
Kilometers
Map Projection Transverse Mercator
Horizontal Datum GDA 1994
Grid GDA 1994 MGA Zone 55

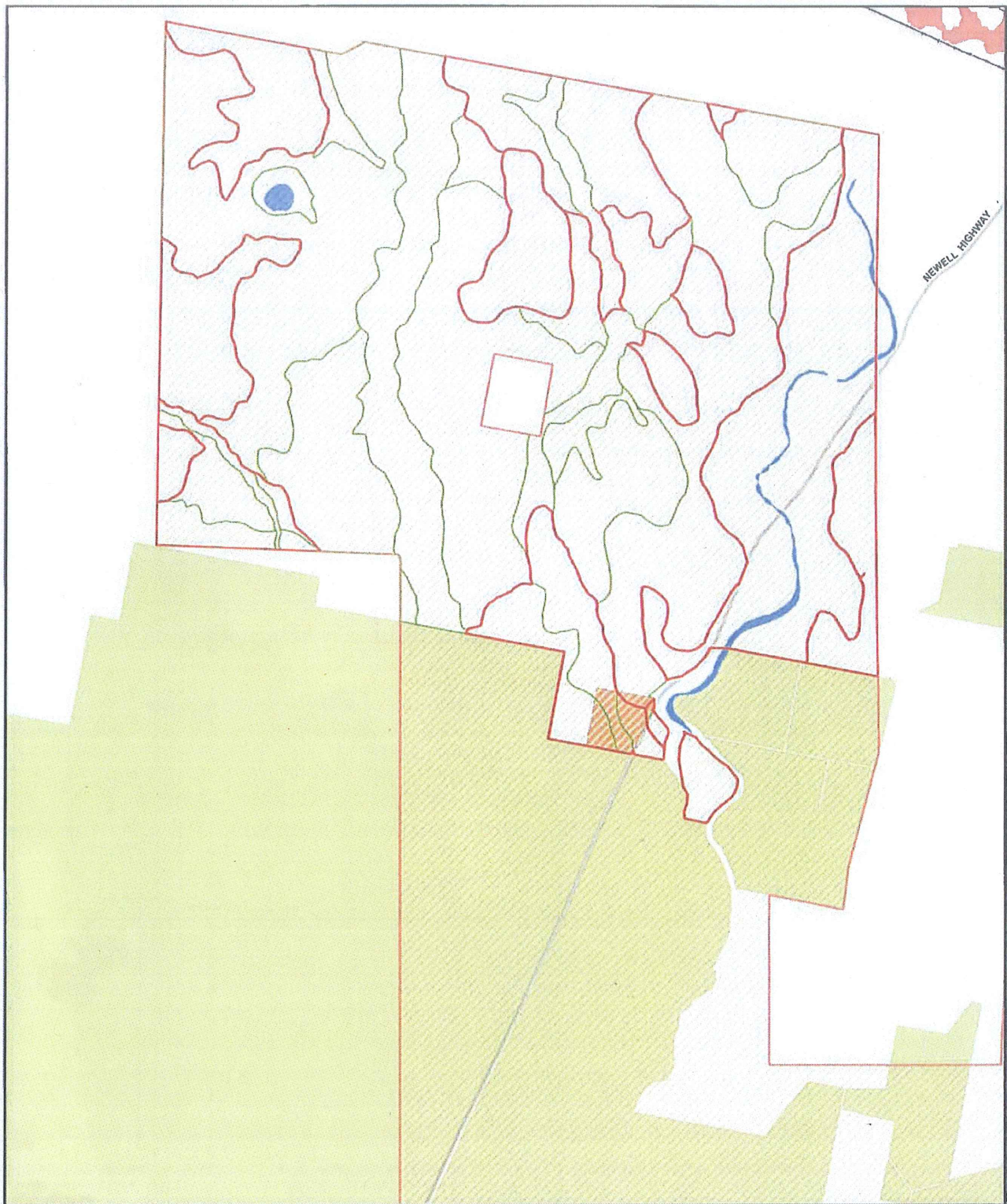


Narrabri Gas Project
Site Verification of Biophysical Strategic
Agricultural Land

Regional context
and location of key infrastructure

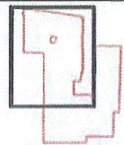
Job Number 21-22463
Revision A
Date 12 Mar 2015

Figure 1-1



LEGEND

Project area	BSAL (Department of Planning and Infrastructure 2012)	Soil units that failed BSAL verification
Leewood	Soil units	Soil variants
Bibblewindi		
State forest		
Lakes and dams		



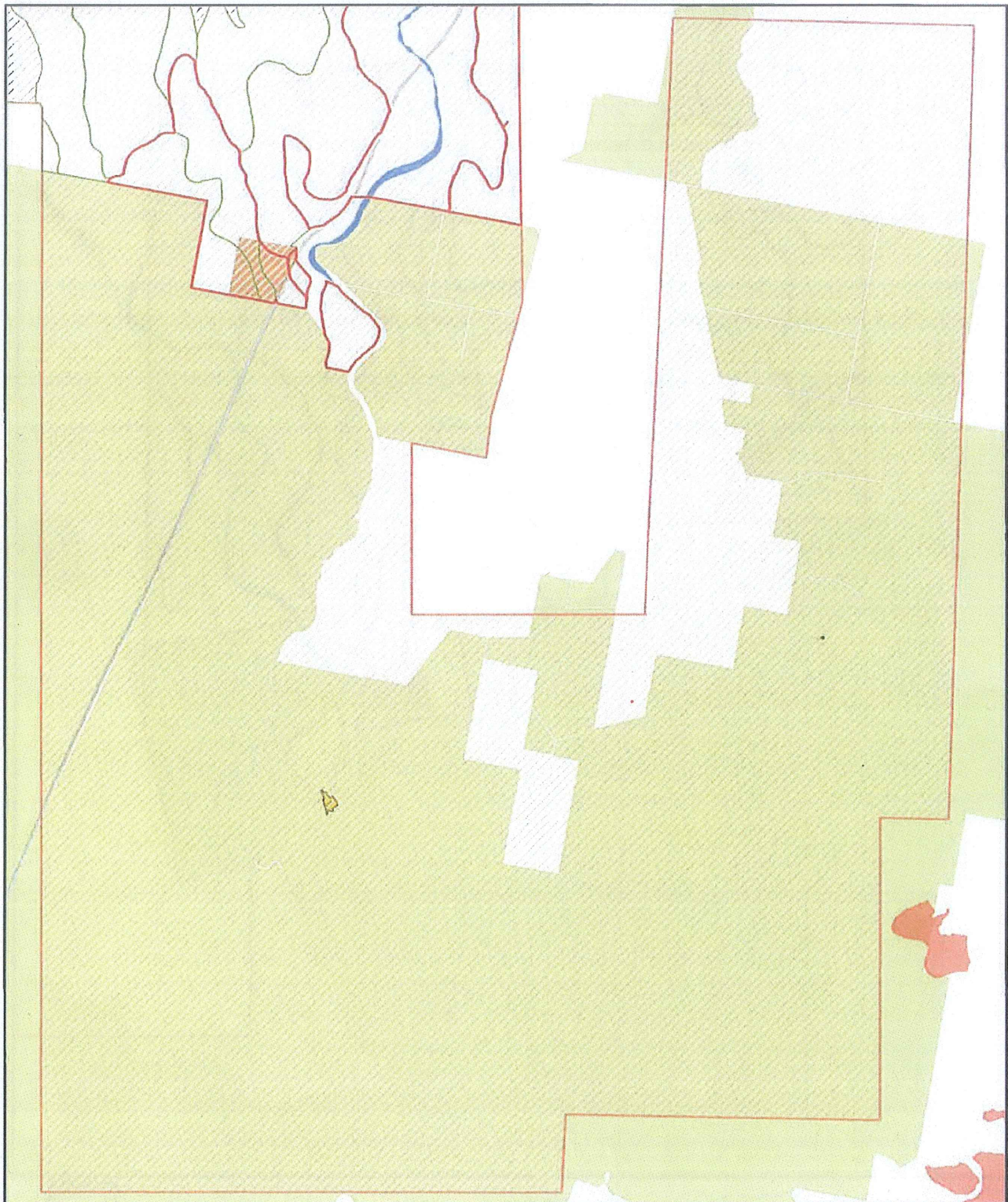
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Kilometers
Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55



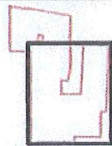
Narrabri Gas Project
Site Verification of Biophysical Strategic
Agricultural Land

Job Number 21-22463
Revision A
Date 02 Jun 2015

BSAL assessment for the project area **Figure 5-1**



- LEGEND**
- | | | |
|----------------|---|--|
| Project area | BSAL (Department of Planning and Infrastructure 2012) | Soil units that failed BSAL verification |
| Leewood | Soil units | Soil variants |
| Bibblewindi | | |
| State forest | | |
| Lakes and dams | | |



0 1 2 4
Kilometers
Map Projection Transverse Mercator
Horizontal Datum, GDA 1994
Grid GDA 1994 MGA Zone 55



Narrabri Gas Project
Site Verification of Biophysical Strategic
Agricultural Land

Job Number 21-22463
Revision A
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BSAL assessment for the project area

Figure 5-1

SCHEDULE 2

Relevant criteria	Consideration
Soil type	<ul style="list-style-type: none">• Soil testing undertaken in accordance with the <i>Interim Protocol for site verification and mapping of biophysical strategic agricultural land</i> has confirmed that the site does not contain any BSAL.• The range of soil types did not meet the relevant BSAL verification criteria due to one or more of a combination of low fertility, poor drainage, soil pH, soil salinity and restrictive chemical conditions at rooting depth (high salinity or sodicity).• The applicant's soil and land data is consistent with the Office and Environment and Heritage soil survey knowledge and existing soil and landscape data of the general area.

