

Aurecon Australia Pty Ltd
 ABN 54 005 139 873
 Level 14, 32 Turbot Street
 Brisbane QLD 4000
 Locked Bag 331
 Brisbane QLD 4001
 Australia

T +61 7 3173 8000
F +61 7 3173 8001
E brisbane@aurecongroup.com
W aurecongroup.com



Memorandum

To	Loren Barnes	From	Aurecon, c/o Jane Stark
Copy		Reference	229110
Date	11 October 2012	Pages (including this page)	1
Subject	Addendum Memo - Arcadia Branch 1 Flowline – Lot 5 on TR18 – Brigalow (<i>Acacia harpophylla</i> dominant and co-dominant) Threatened Ecological Community		

Ms Barnes

This memorandum relates specifically to two (2) *Acacia harpophylla* (Brigalow) communities adjacent to the Arcadia Branch 1 Flowline on Lot 5 on WV34.

A report specific to the proposed development within the Arcadia Branch 1 Flowline has been previously prepared and submitted to Santos (Ecological Assessment Report - Arcadia Branch 1 Flowline – Lot 5 on TR18). Please refer to this report for all additional ecological information related to this proposed development.

Two areas of remnant vegetation dominated by *Acacia harpophylla* Regional Ecosystem (RE) 11.9.5 are present in the proposed development area adjacent to the start of the flowline. The species composition of these two areas is also considered characteristic of Brigalow (*Acacia harpophylla* dominant and co-dominant) Threatened Communities (Brigalow TEC) (refer Figure 1.2 and Section 3 of the Ecological Assessment Report – Arcadia Branch 1 Flowline – Lot 5 on TR18). These areas are too small to be shown on an RE Map at the 1:100000 scale and therefore have not been included in the RE Amendment Report.

Under the provisions of the *Environment Protection and Biodiversity Act 1999* (EP Act), for an *Acacia harpophylla* community to be classified as a Brigalow TEC it is required to be equal to or greater than 0.5 ha (Department of Sustainability, Environment, Water, Populations and Communities 2012).

The eastern polygon of RE 11.9.5 (refer to dark pink polygons in Figure 1.2 of the Ecological Assessment Report – Arcadia Branch 1 Flowline – Lot 5 on TR18) is 0.6 ha and the western polygon is 0.3 ha.

Therefore, the eastern polygon of RE 11.9.5 is considered characteristic of Brigalow TEC under the provisions of the EPBC Act as it is dominated by *Acacia harpophylla*, contains the species composition, age structure and ecological function that reflects a Brigalow TEC and meets the size requirements. This area may be referable under the provisions of the EPBC Act.

The western polygon of RE 11.9.5 contains the species characteristics of Brigalow TEC but does not meet the minimum size for Brigalow TEC under the provisions of the EPBC Act. Therefore, this area is not referable under the provisions of the EPBC Act.

References

Department of Sustainability, Environment, Water, Population and Communities (DSEWPC) (2012), *Brigalow (Acacia harpophylla dominant and co-dominant) in Community and Species Profile and Threats Database*, Department of Sustainability, Environment, Water, Population and Communities, Canberra, viewed online 11 October 2012, <http://www.environment.gov.au/sprat>.