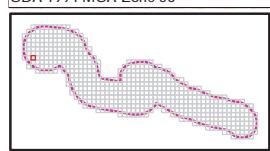




Source: EMM (2016); Hume Coal (2016); LPI (2015); DoE (2012)

Site map - 447

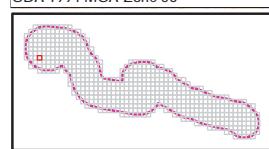
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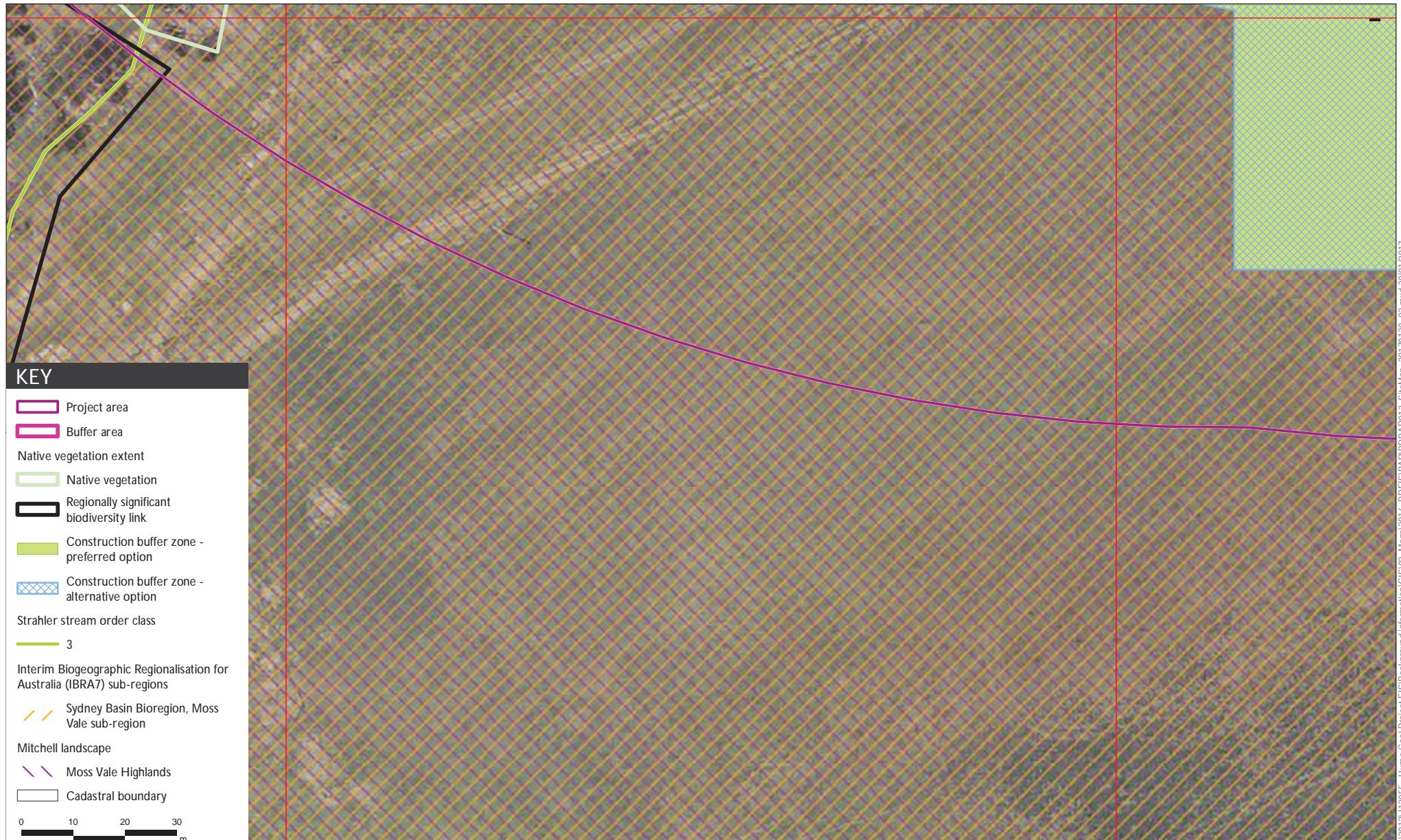
Source: EMM (2016); Hume Coal (2016); LPI (2015); DoE (2012)

Tubbs2012U12055 - Hume Coal Project EIS Background Information\GIS\2_Maps\2016_BREIS\BARRBRB\2013_SiteMap_20170730_02.mxd 30/01/2017



Site map - 448

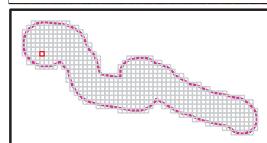
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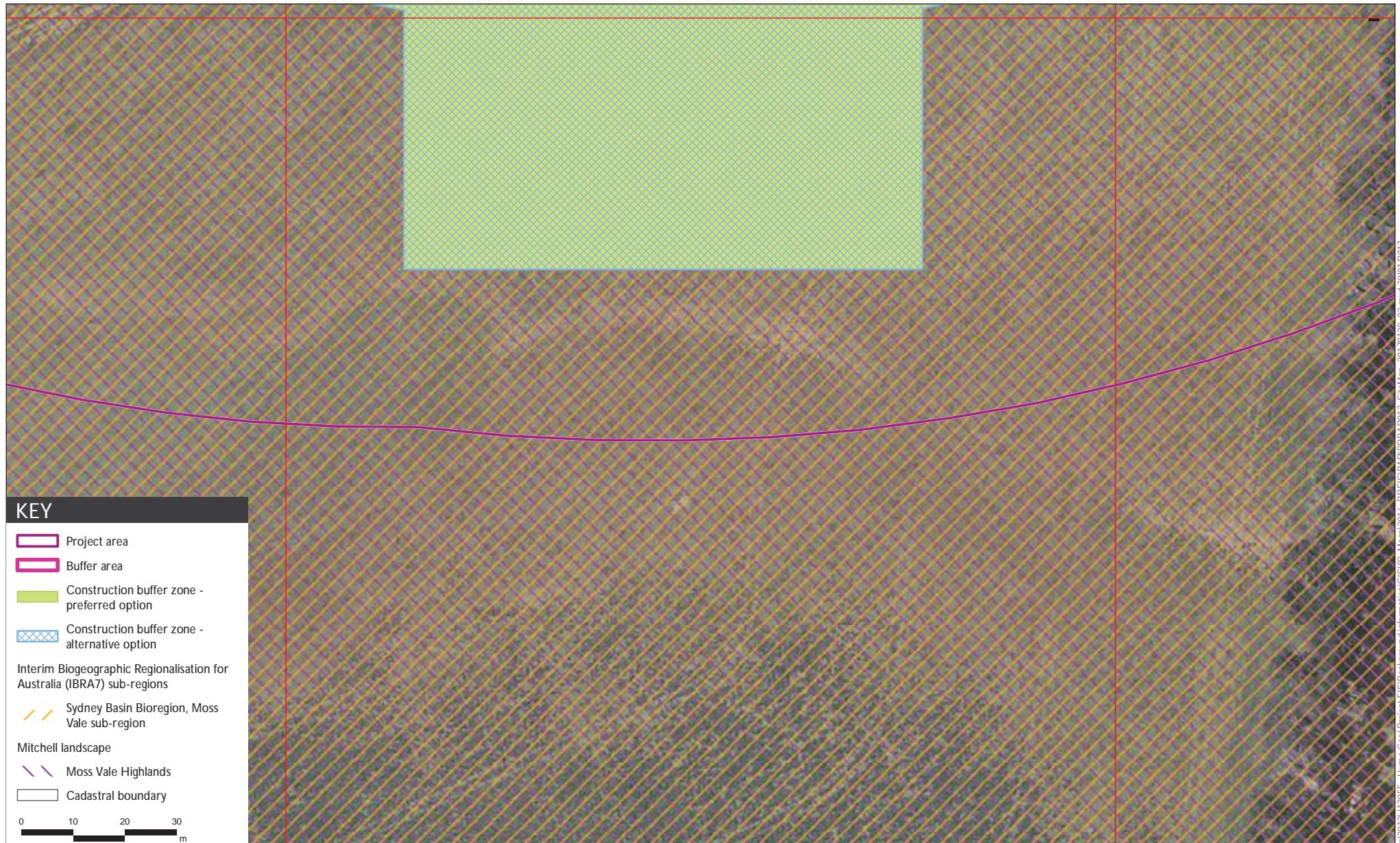


Source: EMM (2016), Hume Coal (2016), LPI (2015), DoE (2012)

Site map - 449

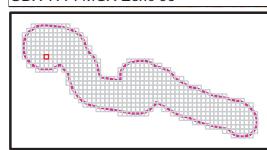
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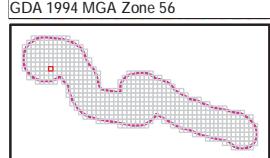
Source: EMM (2016), Hume Coal (2016), LPI (2015), DSE (2012)

Tubbs2012U12055 - Hume Coal Project EIS Background Information GIS@_Maps2016_BREISIBARIBRBAR013_SiteMap_20170130_02.mxd 30/01/2017



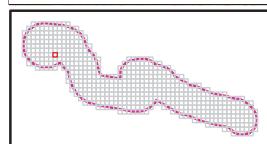
Site map - 450

Berrima Rail Project
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Figure 450





Source: EMM (2016), Hume Coal (2016), LPI (2015), DoE (2012)



Site map - 452

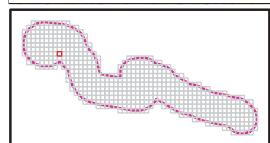
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Figure 452



Source: EMM (2016); Hume Coal (2016); LPI (2011); DoE (2012)

Site map - 453

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Figure 453





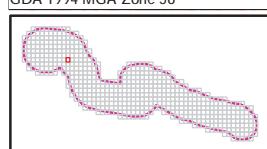
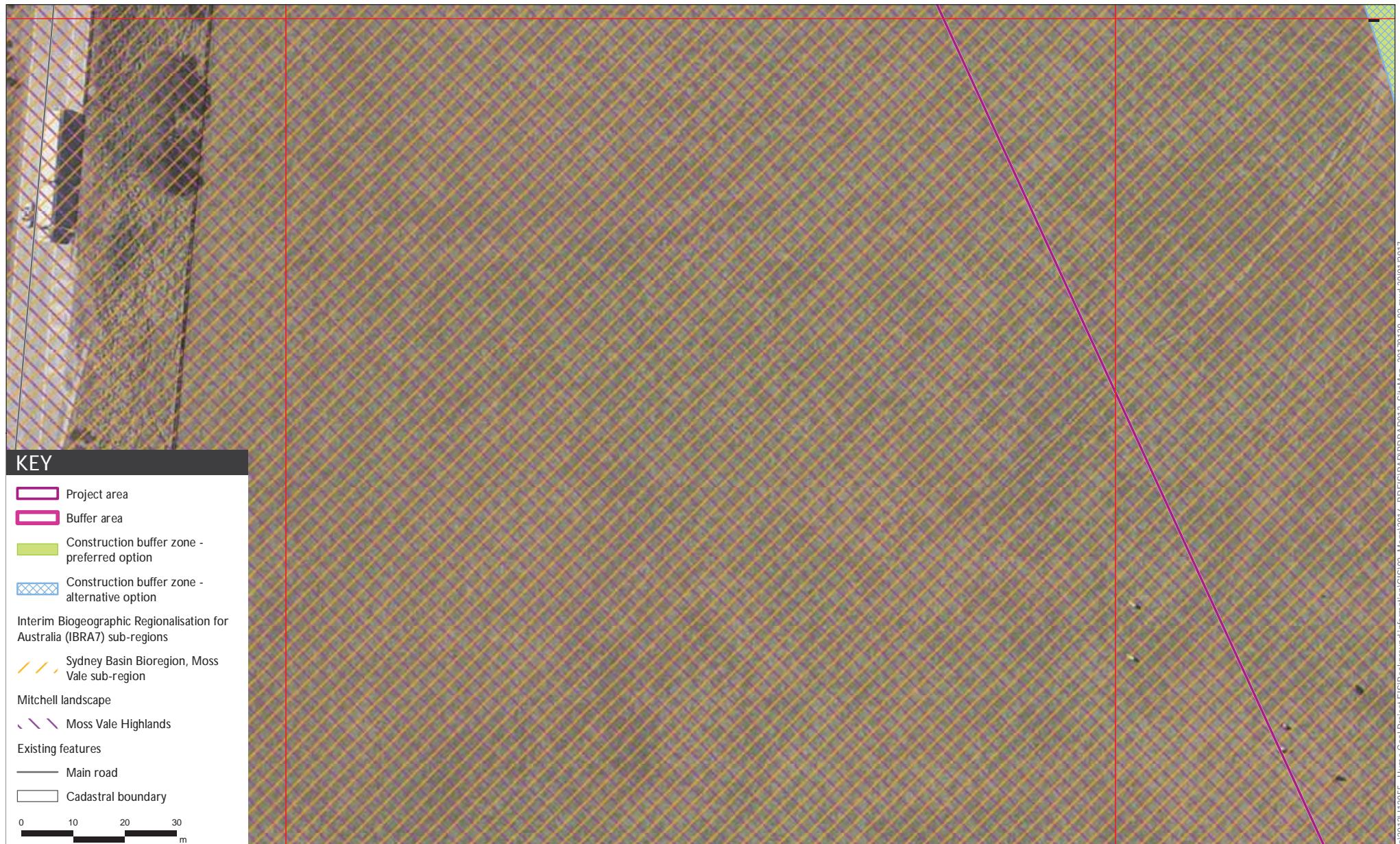
Source: EMM (2016); Hume Coal (2016); LPI (2015); DoE (2012)

Site map - 454

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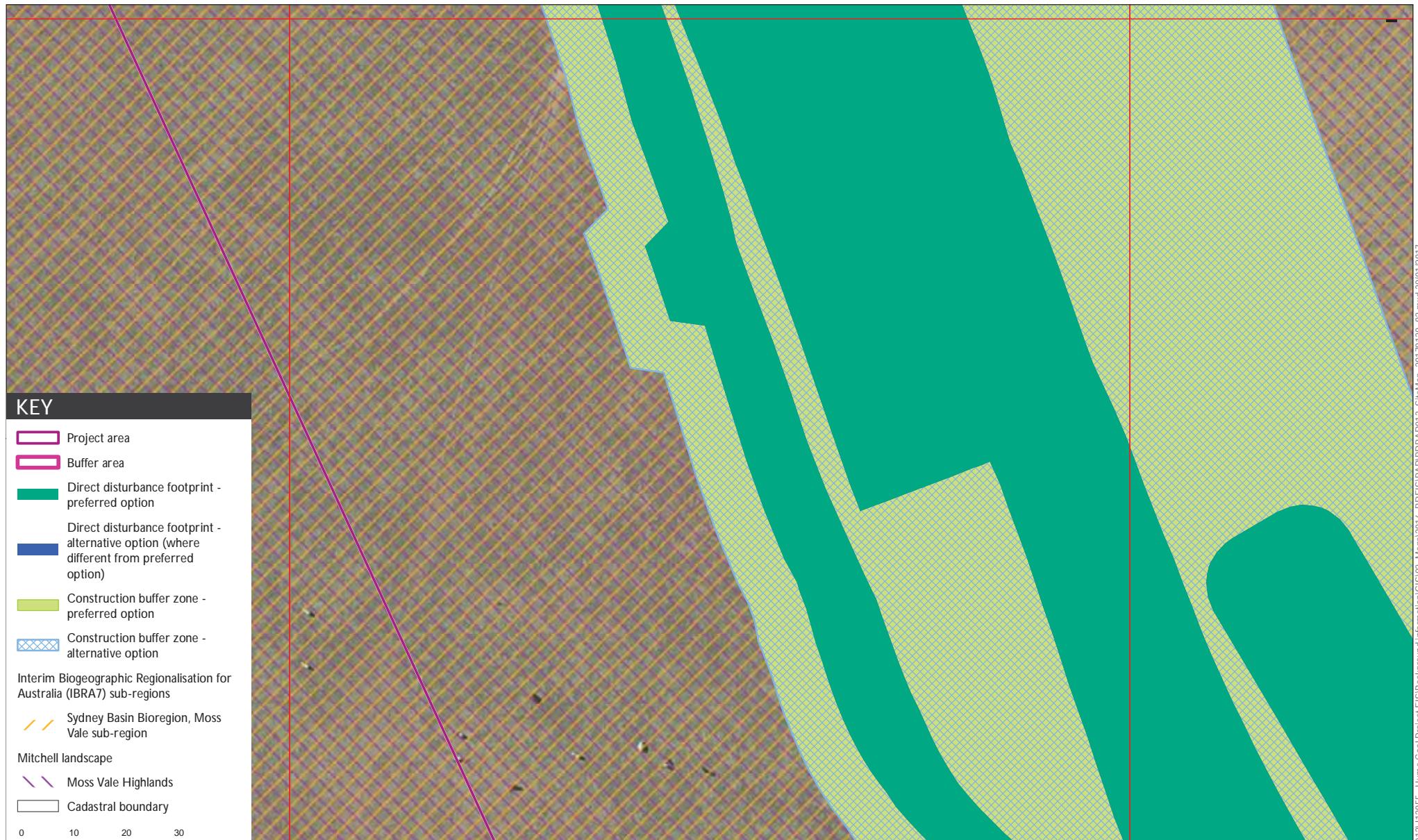
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Figure 454



Site map - 455

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Figure 455



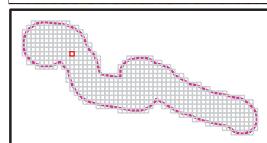
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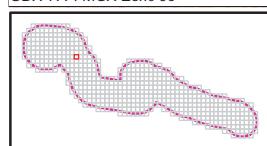
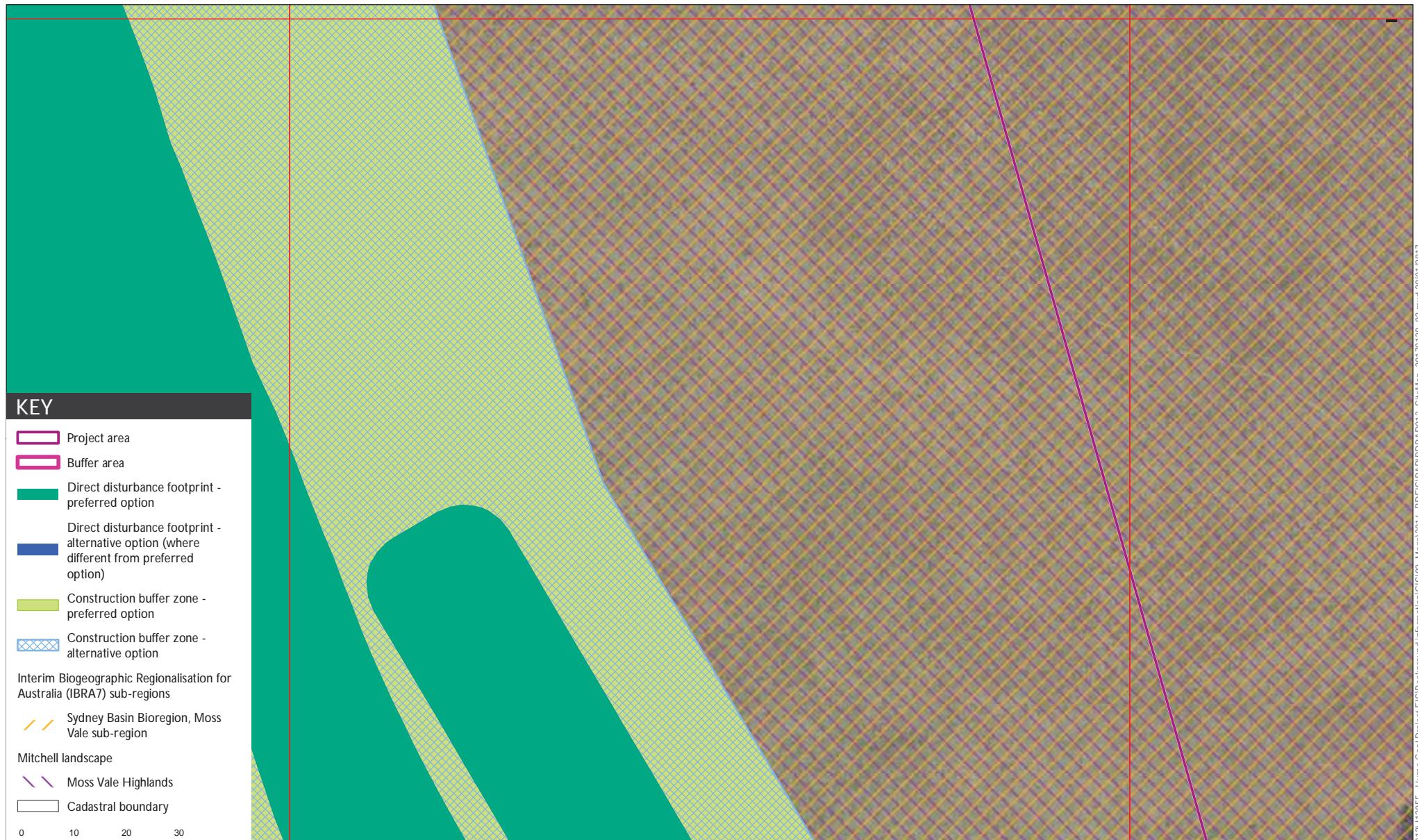
Site map - 456

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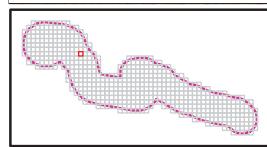
Figure 456





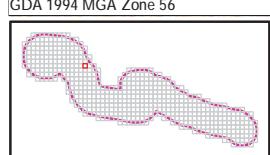
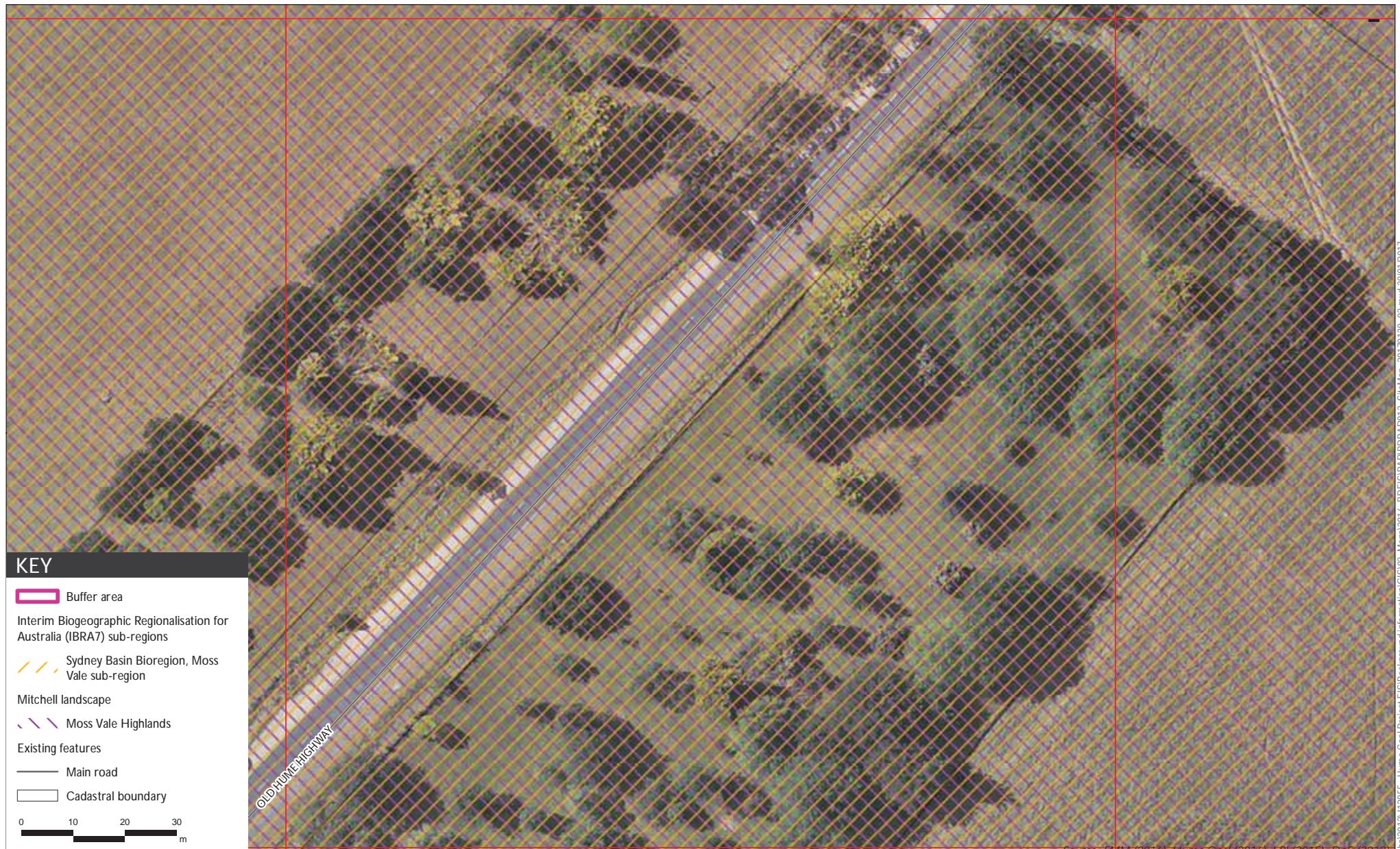


Source: EMM (2016), Hume Coal (2016), EPA (2015), DoE (2012)



Site map - 458

Berrima Rail Project
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Figure 458



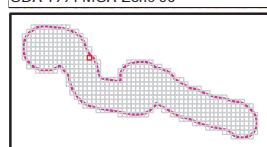
Tubbs2012U12055 - Hume Coal Project EIS Background Information\GIS\2_Maps\2016_BREIS\BARI\BRBARI013_SiteMap_20170130_02.mxd 30/01/2017

Site map - 459

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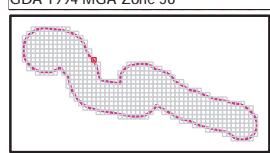


Source: EMM (2016), Hume Coal (2016), LPI (2015), DoE (2012)



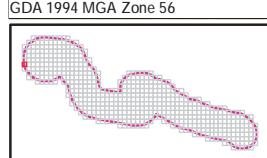
Site map - 460

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Site map - 461

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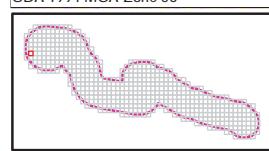


Site map - 462

Berrima Rail Project
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Figure 462



Source: EMM (2016), Hume Coal (2016), LPI (2015), DoE (2012)





Tubbs2012U12055 - Hume Coal Project EIS Background Information\GIS\2_Maps\2016_BREIS\BARI\BRBARI013_SiteMap_20170130_02.mxd 30/01/2017

Site map - 464

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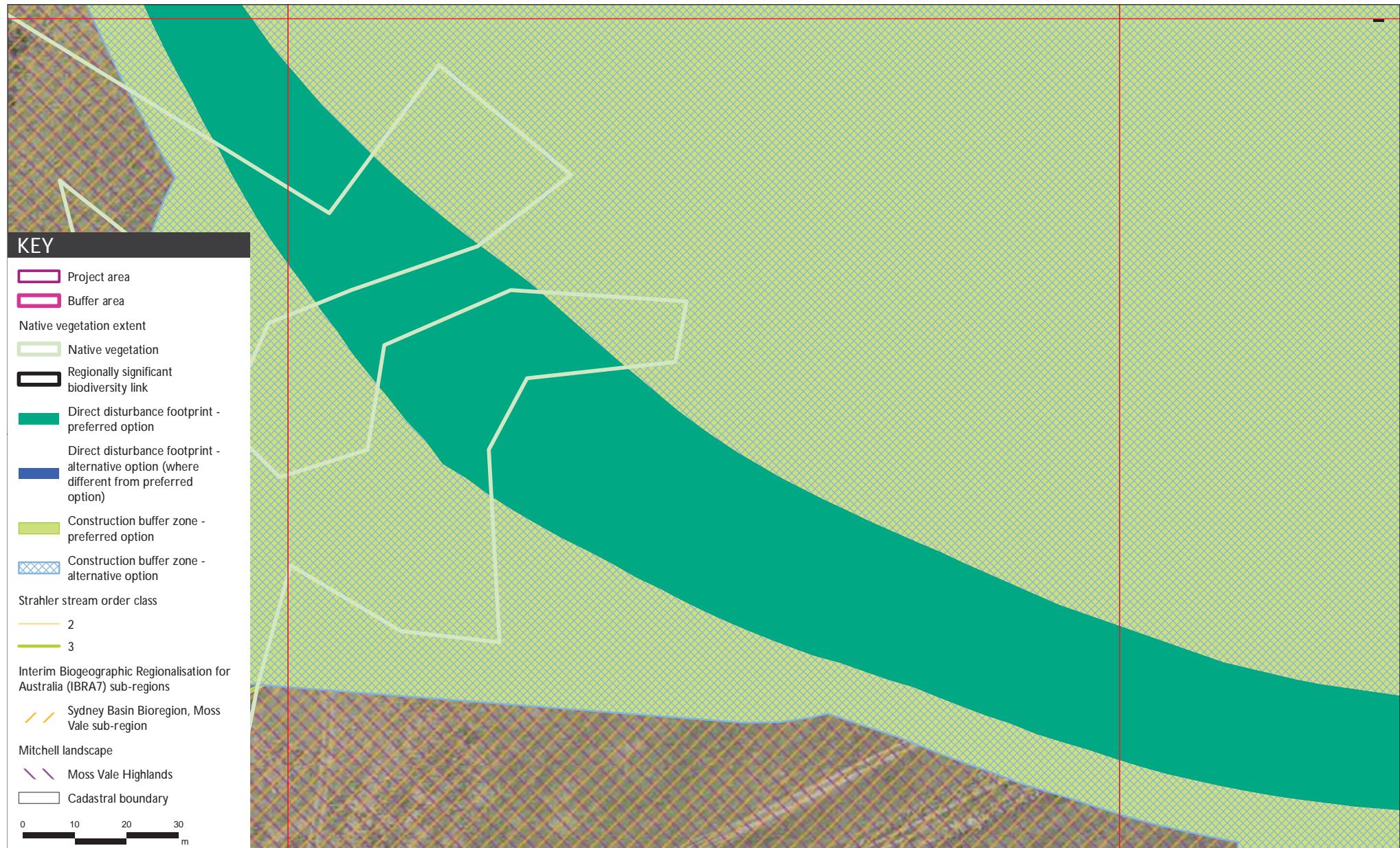


Source: EMM (2016), Hume Coal (2016), LPI (2015), DoE (2012)

Tubbs2012U12055 - Hume Coal Project EIS Background Information GIS02_Maps\2016_BREIS\BARRBRBAR03_SiteMap_20170130_02.mxd 30/01/2017

Site map - 465

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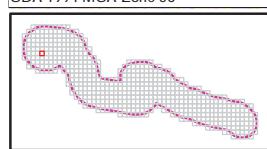
Source: EMM (2016), Hume Coal (2016), LPI (2015), DoE (2012)

Site map - 466

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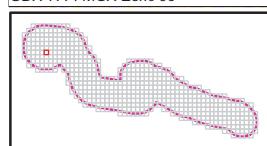
Source: EMM (2016); Hume Coal (2016); LPI (2015); DoE (2012)

Site map - 467

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Figure 467





Source: EMM (2016), Hume Coal (2016), LPI (2015), DoE (2012)

Site map - 468

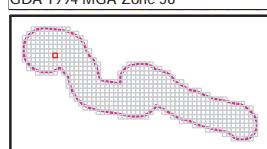
Berrima Rail Project
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Figure 468



Source: EMM (2016); Hume Coal (2016); LPI (2015); DoE (2012)



Site map - 469

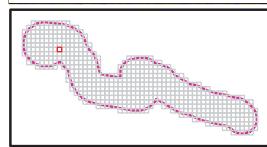
Berrima Rail Project
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Figure 469



Source: EMM (2016), Hume Coal (2016), LPI (2015), DoE (2012)



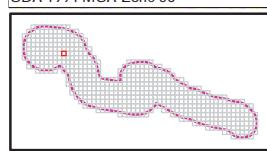
Site map - 470

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Figure 470



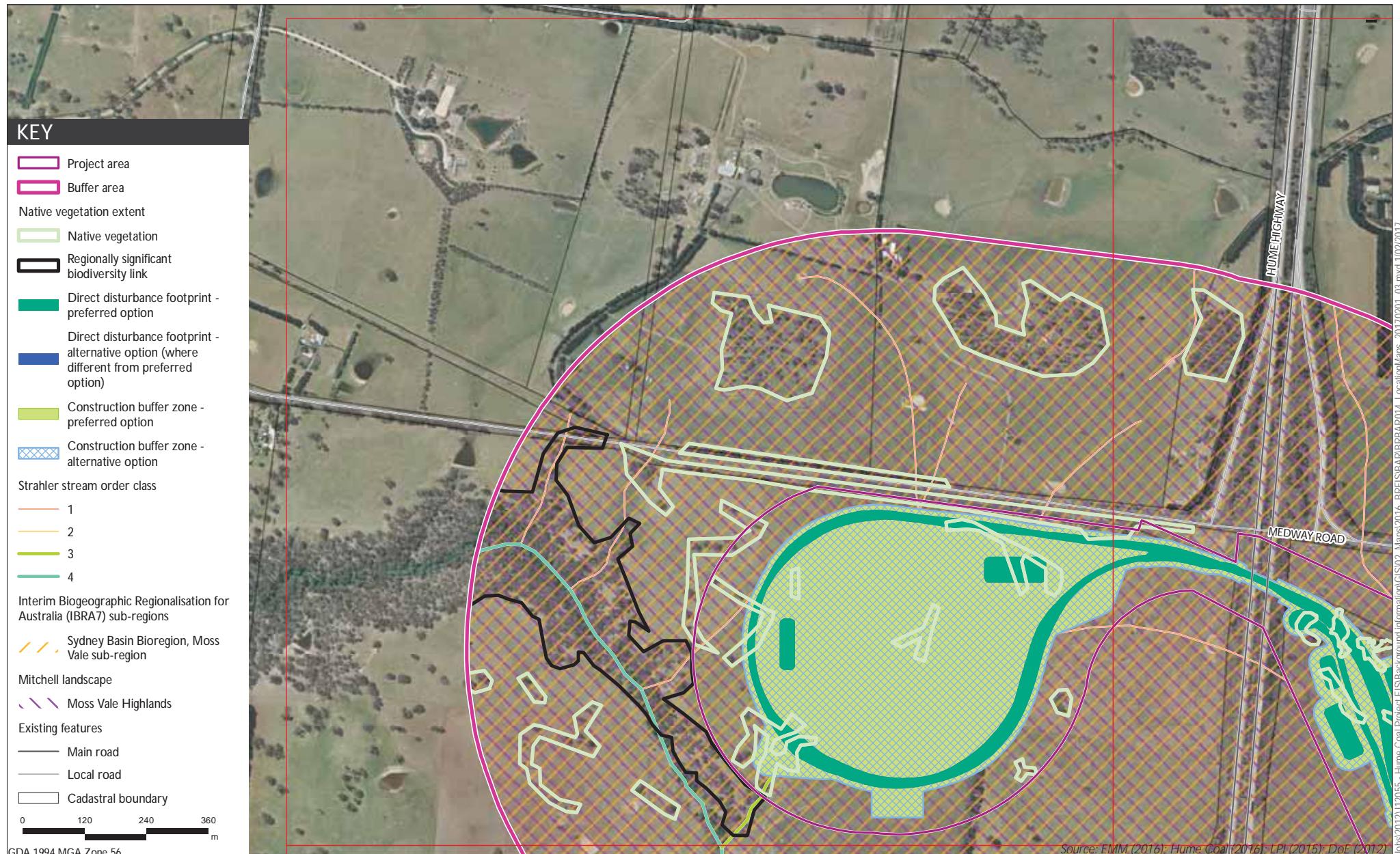
Source: EMM (2016), Hume Coal (2016), LPI (2015), DoE (2012)

Tubbs2012U12055 - Hume Coal Project EIS Background Information\GIS\@_Maps\2016_BREIS\BARI\BRBARI013_SiteMap_20170130_02.mxd 30/01/2017



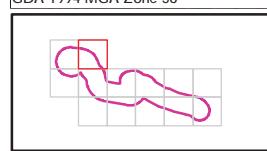
Site map - 471

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Figure 471



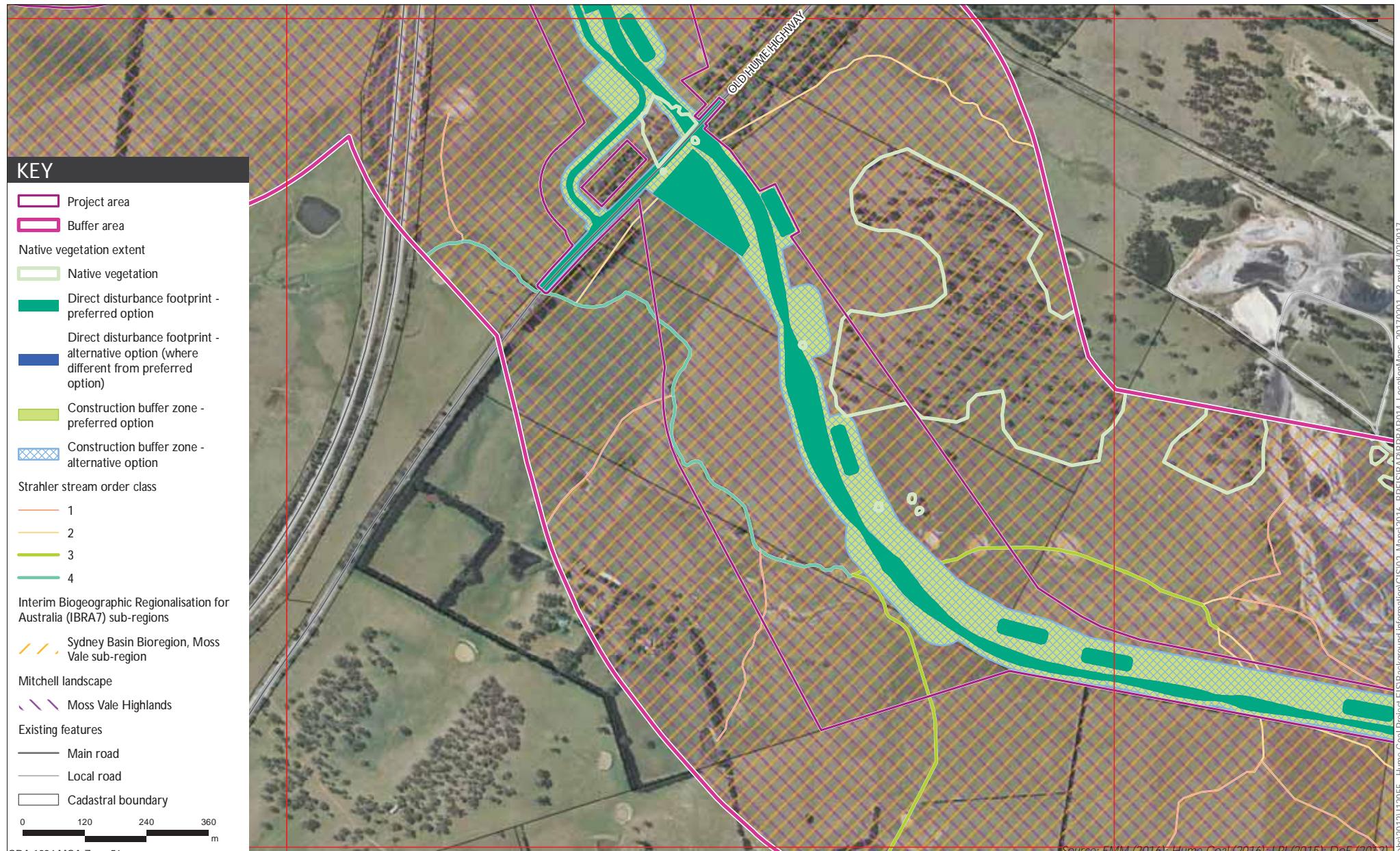
Source: EMM (2016); Hume Coal (2016); LPI (2015); DoE (2012)

Location map - 1
Berrima Rail Project
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Location map - 3
Berrima Rail Project
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Figure 3



Location map - 4
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Figure 4



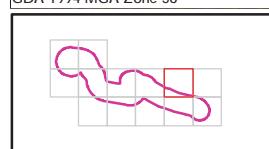
Location map - 5
Berrima Rail Project
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Figure 5

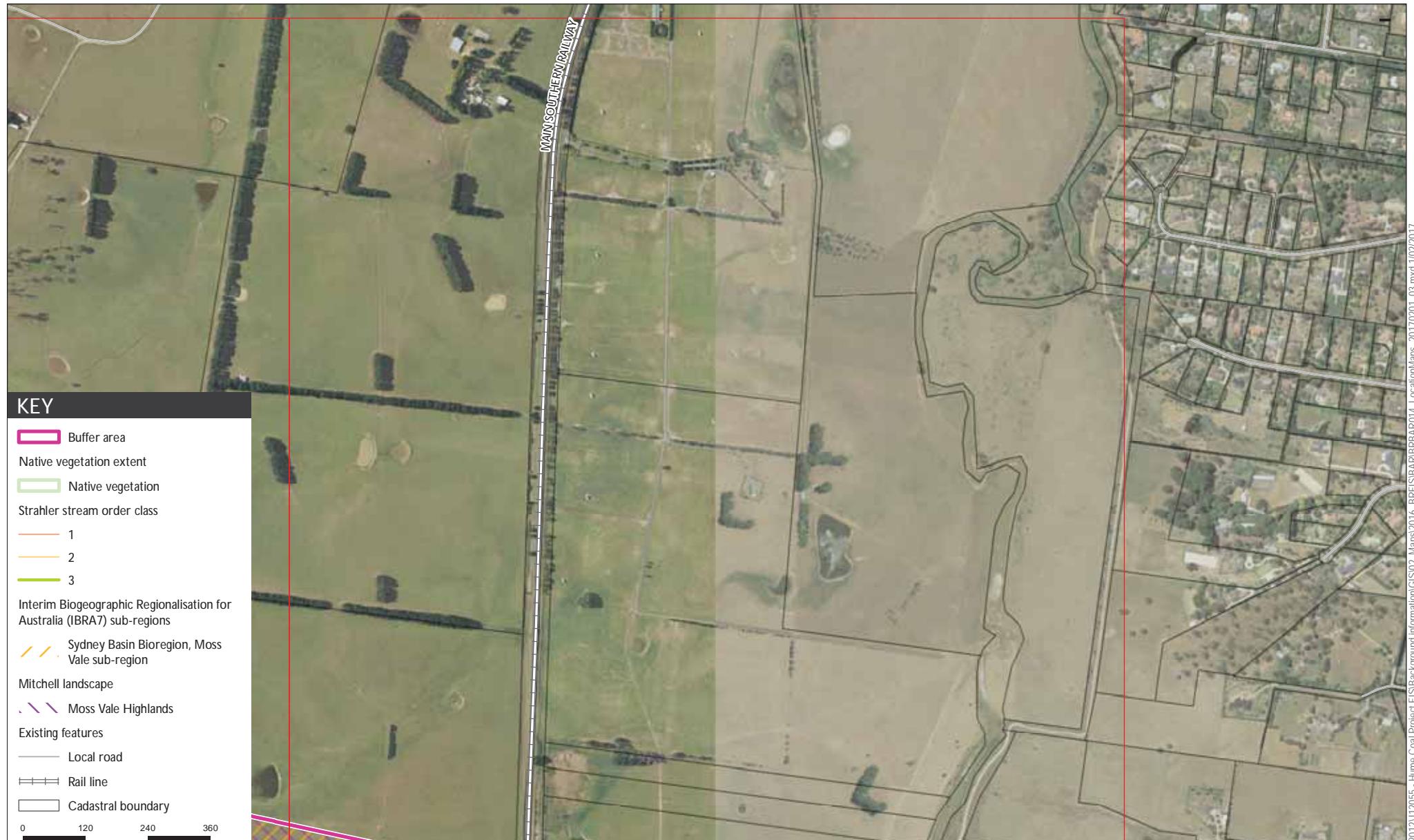


Location map - 6
Berrima Rail Project
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Figure 6



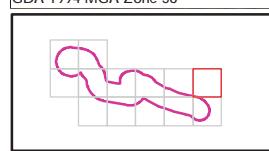
Location map -
Berrima Rail Project
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Figure 7





Location map -

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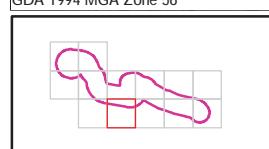




Source: EMM (2016); Hume Coal (2016); LP (2015); DoE (2012)

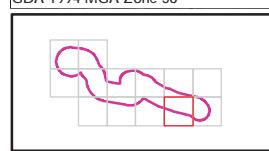
Location map - 10

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Figure 10





Location map - 11
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Figure 11





Fubbs2012U12056 - Hume Coal Project EISBackgroundInformationGIS02_Maps2016_BREISBARIBRBR014_LocationMaps_20170201_03.mxd 1/02/2017

Location map - 13
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Appendix F

Biodiversity credit report

Biodiversity credit report



This report identifies the number and type of biodiversity credits required for a major project.

Date of report: 7/10/2016

Time: 3:22:33PM

Calculator version: v4.0

Major Project details

Proposal ID: 196/2016/3604MP
Proposal name: Berrima Rail Project
Proposal address: Unit 7-8 Clarence House 9 Clarence St Moss Vale NSW 2577

Proponent name: Hume Coal Pty Ltd
Proponent address: Unit 7-8 Clarence House 9 Clarence St Moss Vale NSW 2577
Proponent phone: 0448000758

Assessor name: Katie Whiting
Assessor address: SUITE 1 20 CHANDOS ST St Leonards NSW 2065
Assessor phone: 02 9493 9500
Assessor accreditation: 196

Summary of ecosystem credits required

Plant Community type	Area (ha)	Credits created
Broad-leaved Peppermint - Red Stringybark grassy open forest on undulating hills, South Eastern Highlands Bioregion	1.90	0.00
Snow Gum - Candle Bark woodland on broad valley flats of the tablelands and slopes, South Eastern Highlands Bioregion	0.20	2.49
Total	2.10	2

Credit profiles

1. Broad-leaved Peppermint - Red Stringybark grassy open forest on undulating hills, South Eastern Highlands Bioregion, (HN514)

Number of ecosystem credits created

0

IBRA sub-region

Moss Vale - Hawkesbury/Nepean

Offset options - Plant Community types	Offset options - IBRA sub-regions
Broad-leaved Peppermint - Red Stringybark grassy open forest on undulating hills, South Eastern Highlands Bioregion, (HN514)	Moss Vale - Hawkesbury/Nepean
Yellow Box - Blakely's Red Gum grassy woodland on the tablelands, South Eastern Highlands Bioregion, (HN614)	and any IBRA subregion that adjoins the IBRA subregion in which the development occurs
Ribbon Gum - Yellow Box grassy woodland on undulating terrain of the eastern tablelands, South Eastern Highlands Bioregion, (HN573)	

2. Snow Gum - Candle Bark woodland on broad valley flats of the tablelands and slopes, South Eastern Highlands Bioregion, (HN589)

Number of ecosystem credits created	2
IBRA sub-region	Moss Vale - Hawkesbury/Nepean

Offset options - Plant Community types	Offset options - IBRA sub-regions
Black Gum grassy woodland of damp flats and drainage lines of the eastern Southern Tablelands, South Eastern Highlands Bioregion, (HN504)	Moss Vale - Hawkesbury/Nepean and any IBRA subregion that adjoins the IBRA subregion in which the development occurs
Snow Gum - Candle Bark woodland on broad valley flats of the tablelands and slopes, South Eastern Highlands Bioregion, (HN589)	

Summary of species credits required

Common name	Scientific name	Extent of impact Ha or individuals	Number of species credits created
Squirrel Glider	<i>Petaurus norfolkensis</i>	2.00	44
Paddys River Box, Camden Woollybutt	<i>Eucalyptus macarthurii</i>	1.00	14

**SYDNEY**

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