

APPENDIX

INLAND
RAIL 

B

Biodiversity Technical Report

PART 2 OF 6

Appendices A to C

NORTH STAR TO NSW/QUEENSLAND BORDER ENVIRONMENTAL IMPACT STATEMENT

ARTC

The Australian Government is delivering
Inland Rail through the Australian
Rail Track Corporation (ARTC), in
partnership with the private sector.

APPENDIX



B

Biodiversity Technical Report

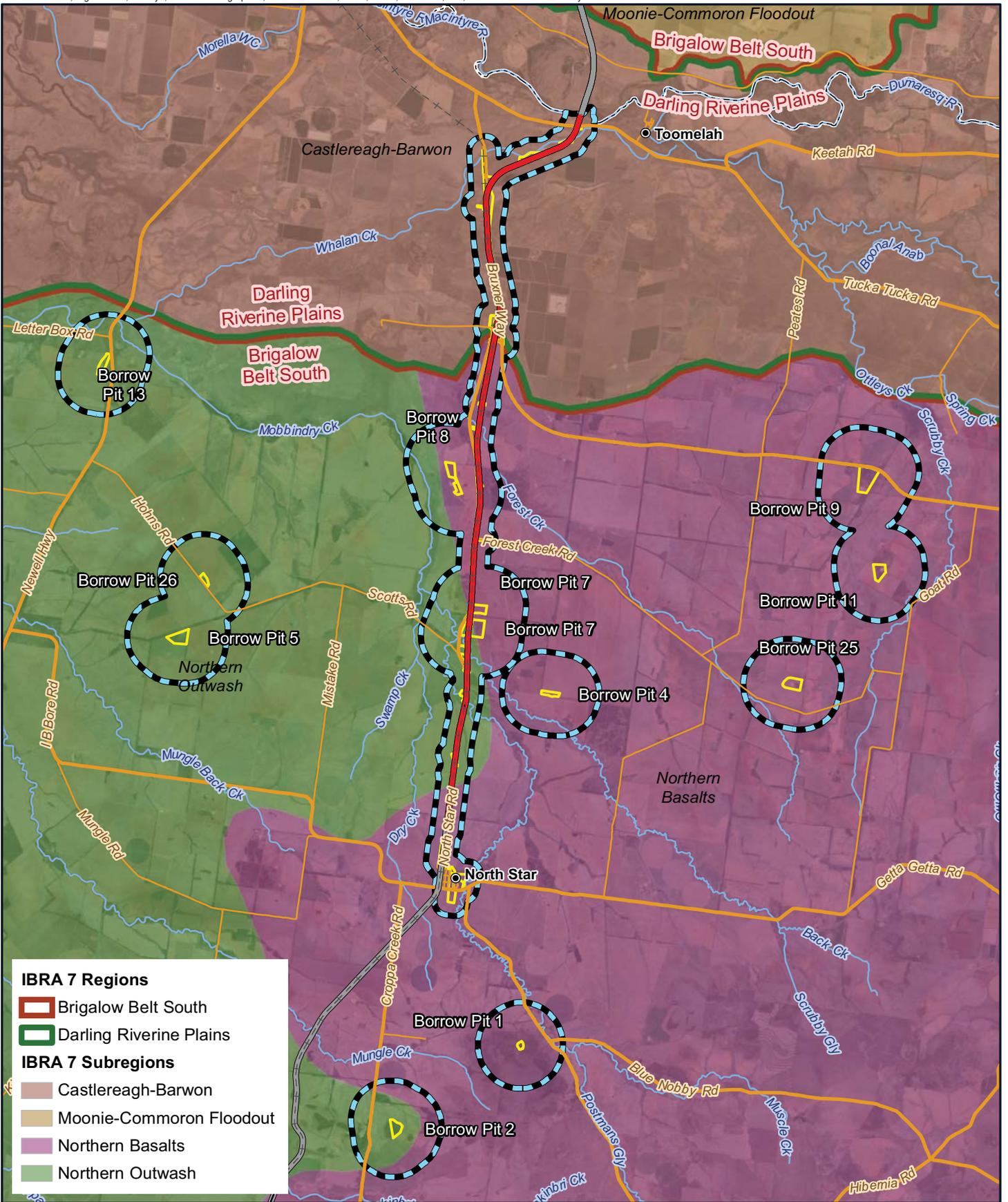
Appendix A Flora Maps

NORTH STAR TO NSW/QUEENSLAND BORDER ENVIRONMENTAL IMPACT STATEMENT



The Australian Government is delivering Inland Rail through the Australian Rail Track Corporation (ARTC), in partnership with the private sector.

Map by: DTHM/IGN Z:\GIS\GIS_270_NS2B\Tasks\270_EAP_202007011428_FF_V_MapA_1_IBRA7_v2.mxd Date: 9/07/2020 16:30



IBRA 7 Regions

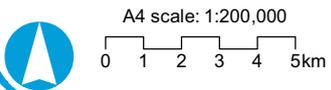
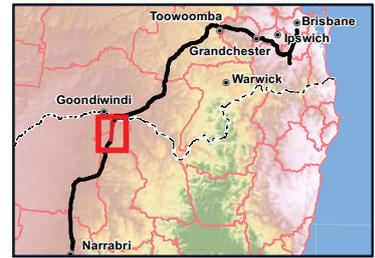
- Bragalow Belt South
- Darling Riverine Plains

IBRA 7 Subregions

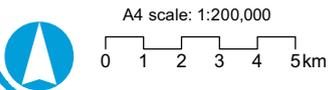
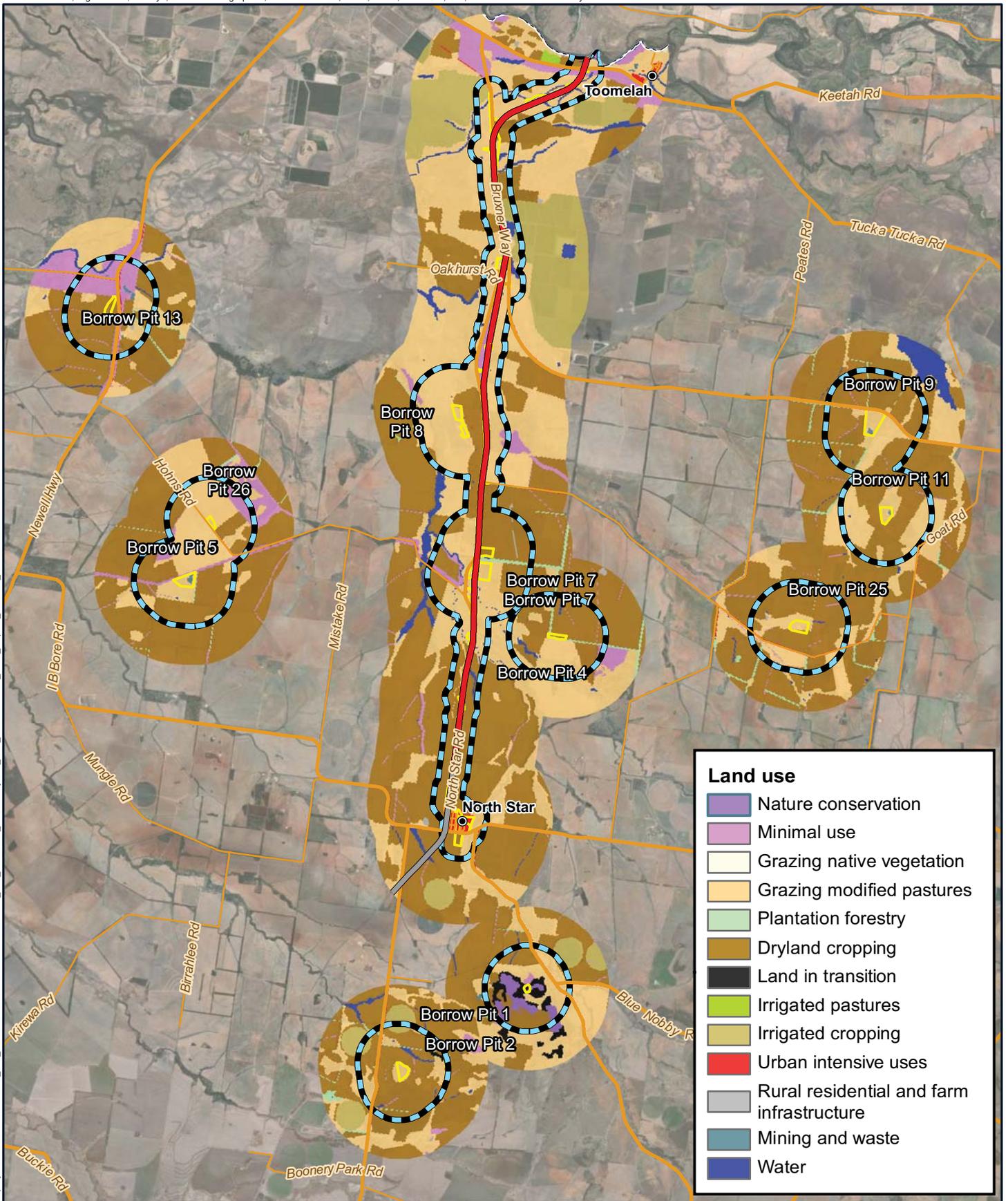
- Castlereagh-Barwon
- Moonie-Commonron Floodout
- Northern Basalts
- Northern Outwash

Legend

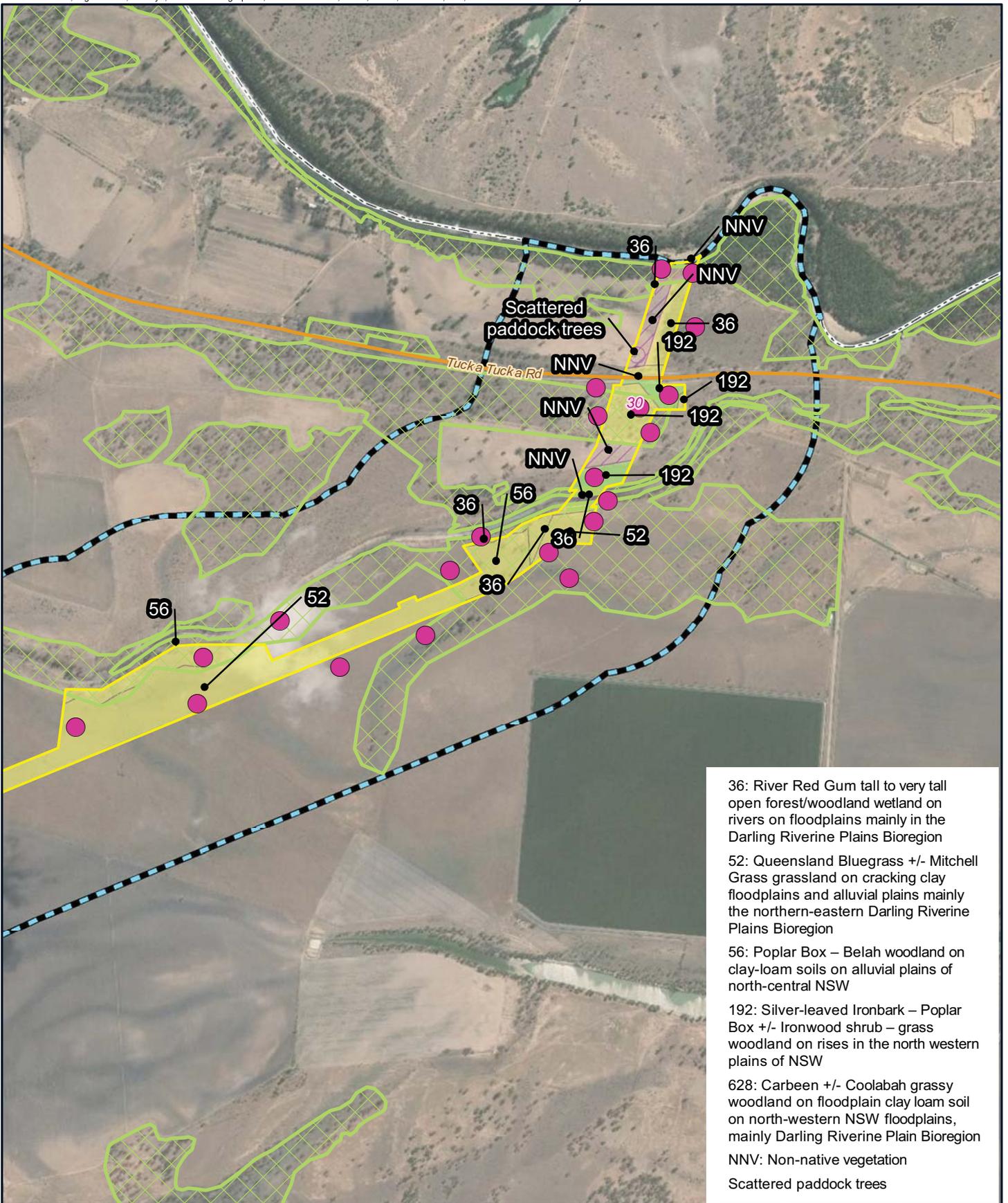
- Localities
- Existing rail (operational)
- Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Adjoining alignments
- Major roads
- Minor roads
- Watercourses
- NSW/QLD border
- Subject land
- Study area



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36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion

52: Queensland Bluegrass +/- Mitchell Grass grassland on cracking clay floodplains and alluvial plains mainly the northern-eastern Darling Riverine Plains Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW

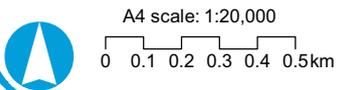
628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion

NNV: Non-native vegetation

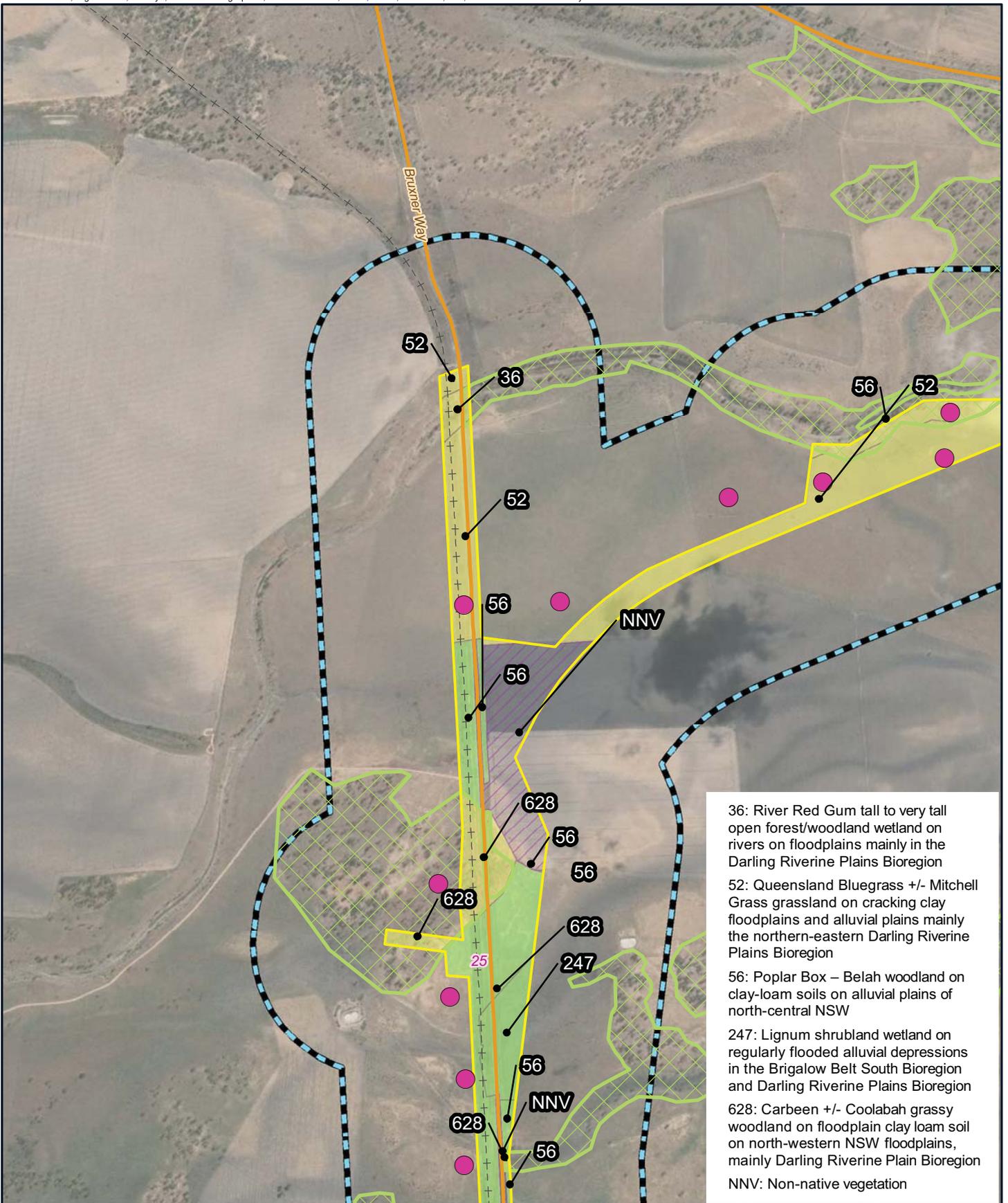
Scattered paddock trees

Legend

- BAM plots
- Major roads
- NSW/QLD border
- Subject land
- Study area
- PCT H-M-L Unclassified
- PCT High
- PCT Medium
- PCT Low
- Vegetation patch



Map by: MF/NCW Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202007011428_GIS_Terrrestrial_biodiversity\270_EAP_202007011428_FFJV_MapA_3_Vegetation_v6.mxd Date: 10/07/2020 16:37



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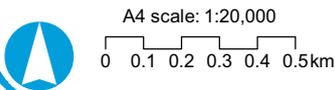
247: Lignum shrubland wetland on regularly flooded alluvial depressions in the Brigalow Belt South Bioregion and Darling Riverine Plains Bioregion

628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion

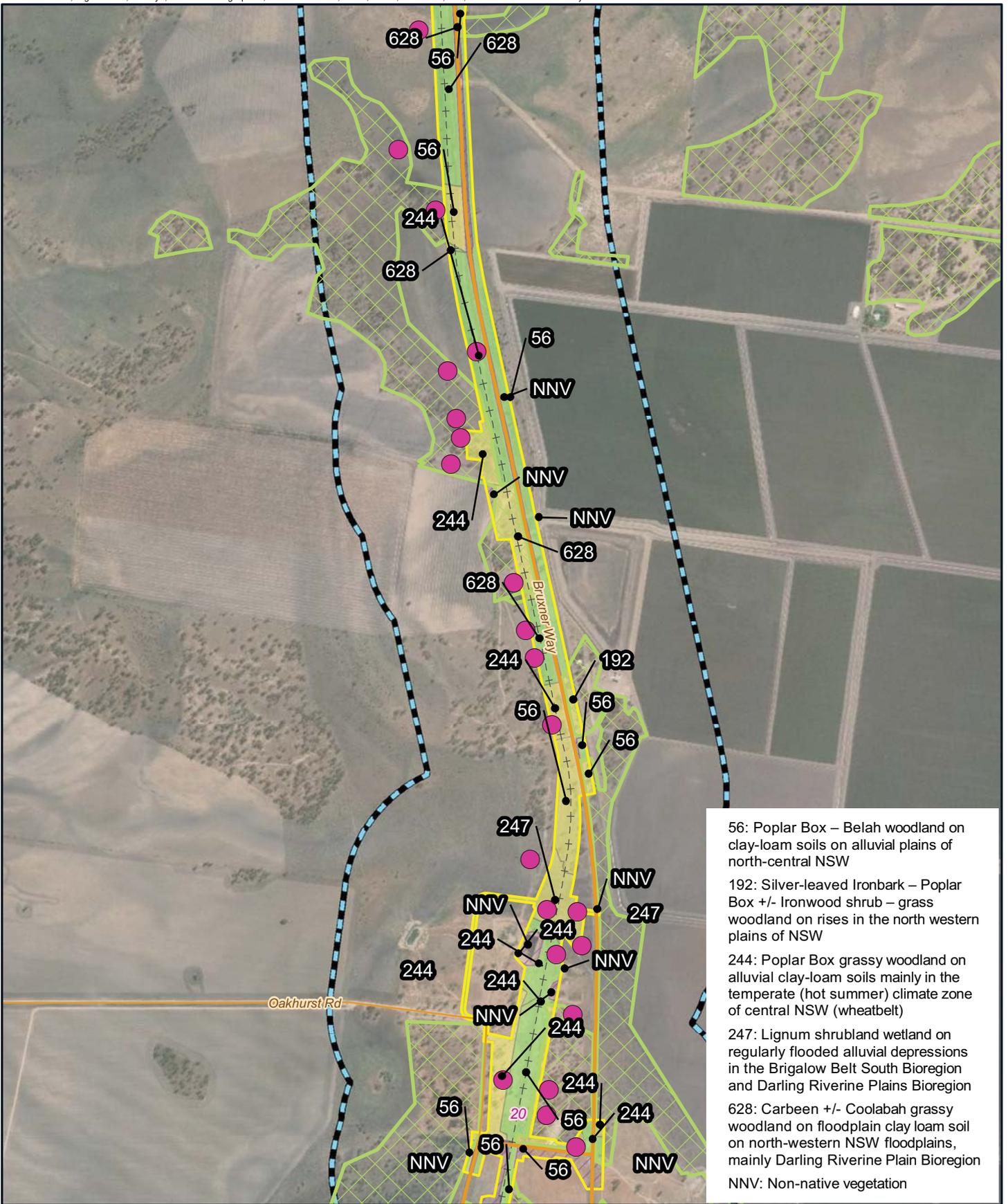
NNV: Non-native vegetation

Legend

- BAM plots
- Existing rail (non-operational)
- Major roads
- Subject land
- Study area
- PCT H-M-L Unclassified
- PCT Medium
- PCT Low
- Vegetation patch



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56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW

244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)

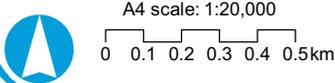
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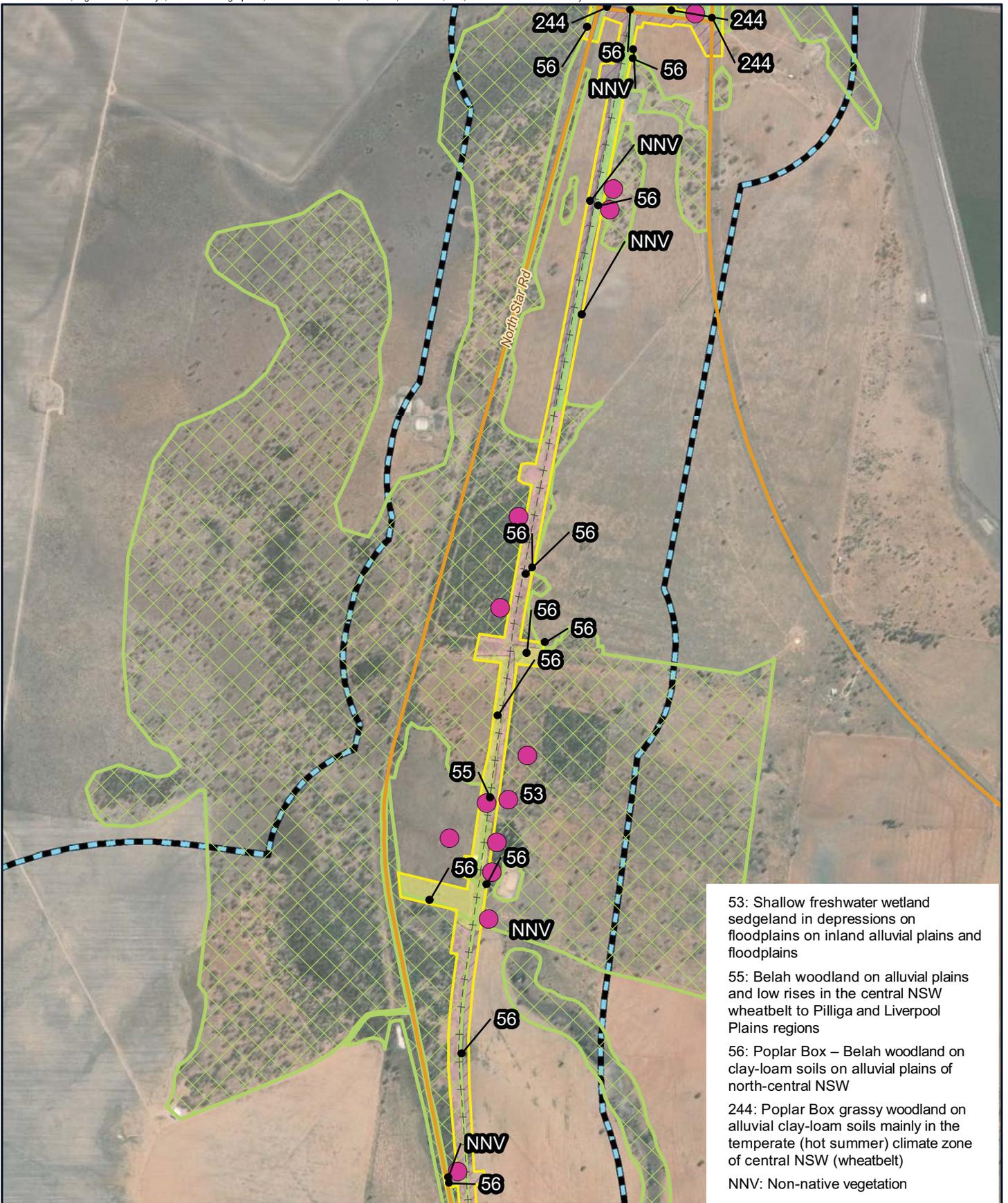
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53: Shallow freshwater wetland sedgeland in depressions on floodplains on inland alluvial plains and floodplains

55: Belah woodland on alluvial plains and low rises in the central NSW wheatbelt to Pilliga and Liverpool Plains regions

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)

NNV: Non-native vegetation

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- PCT High
- PCT Medium
- PCT Low
- Vegetation patch



A4 scale: 1:20,000
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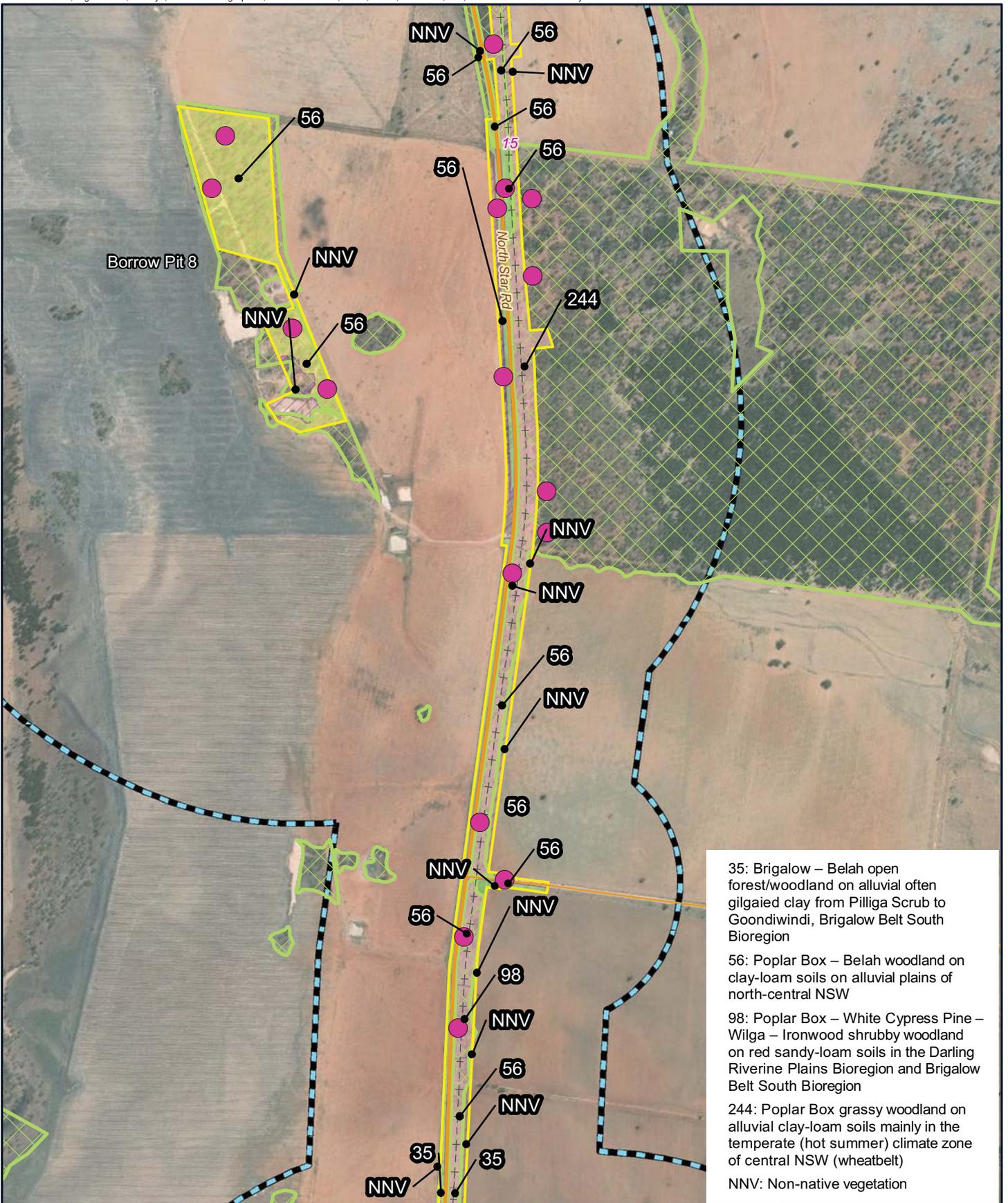
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North Star to NSW/QLD border

Map A.3d:

Field verified PCTs and BAM plot location

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Legend

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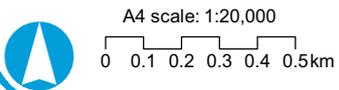
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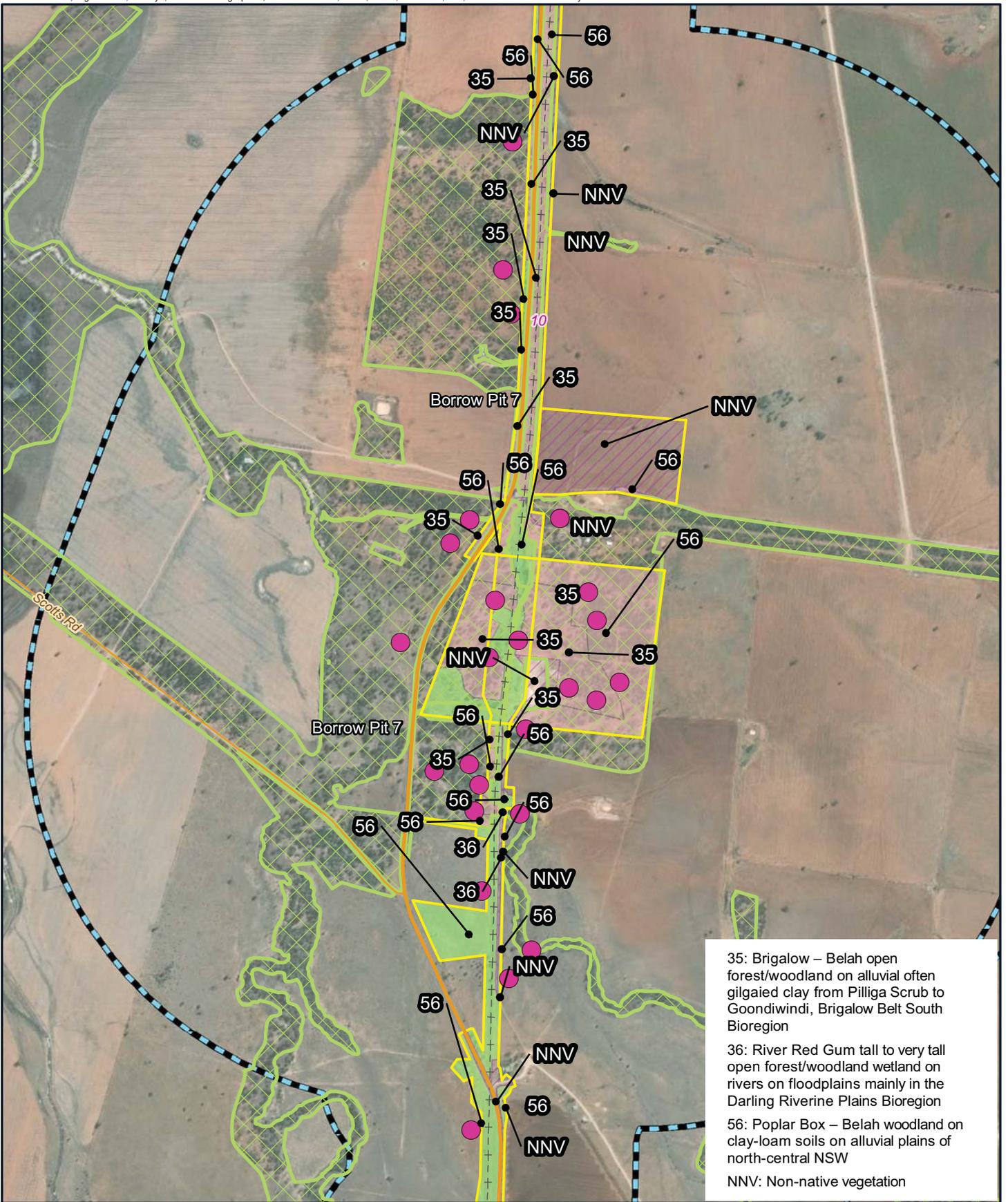
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NNV: Non-native vegetation



Map by: MF\NCW.Z\GIS\GIS_270_NS2B\Tasks\270_EAP-202007011428_GIS_Terrrestrial_biodiversity\270_EAP_202007011428_FFJV_MapA_3_Vegetation_v6.mxd Date: 10/07/2020 16:37



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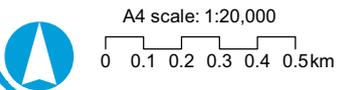
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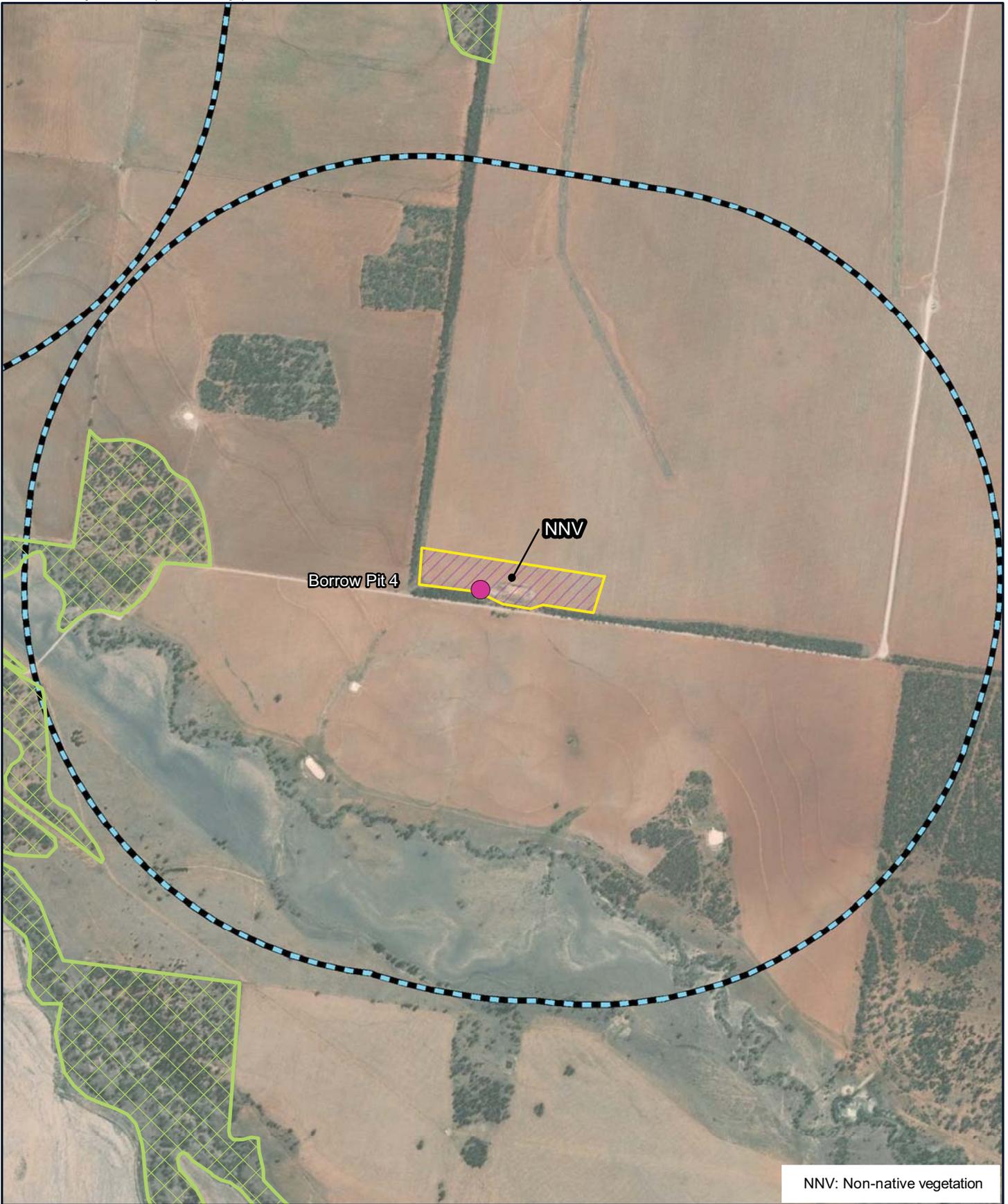
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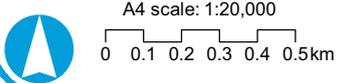
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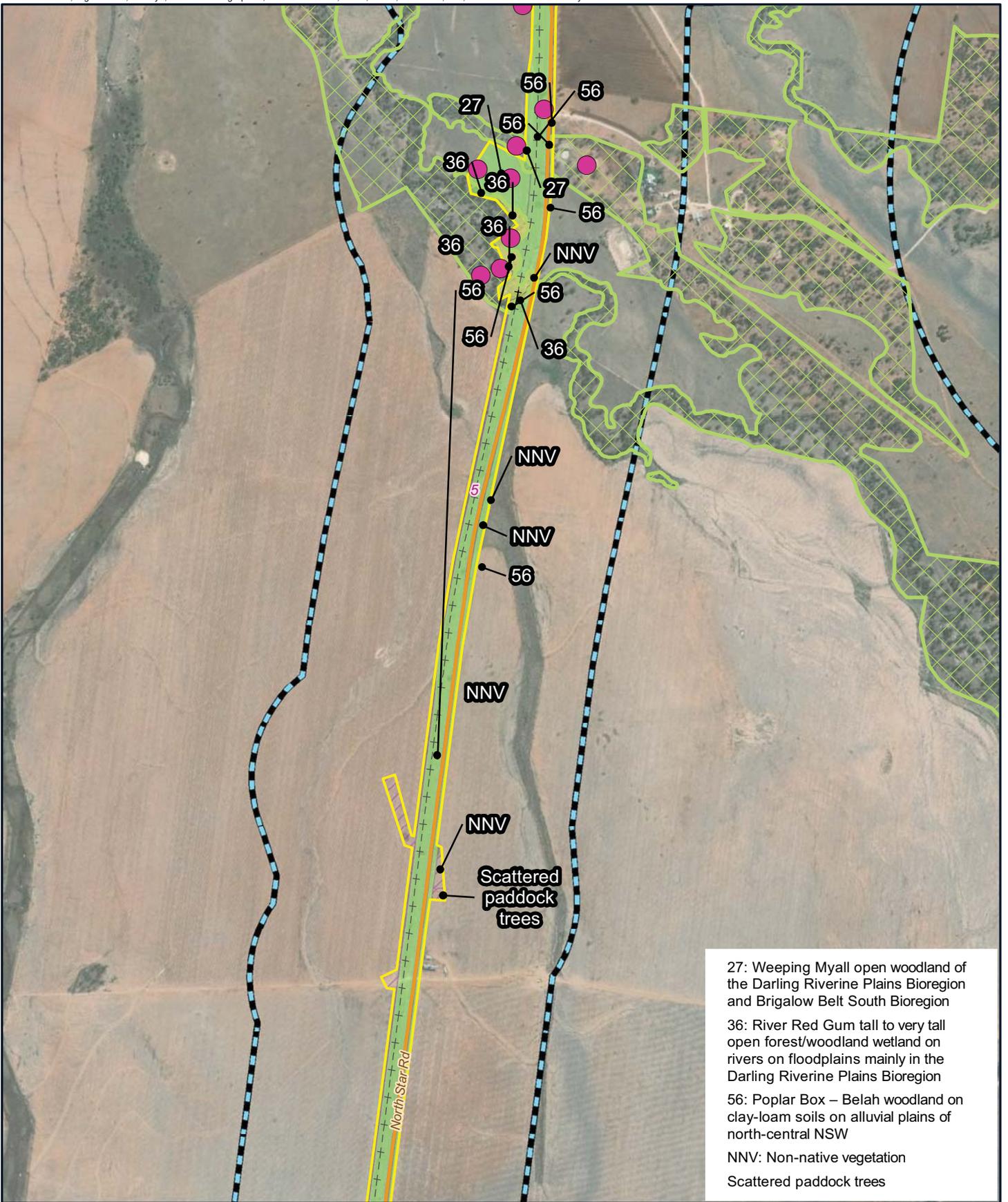
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27: Weeping Myall open woodland of the Darling Riverine Plains Bioregion and Brigalow Belt South Bioregion

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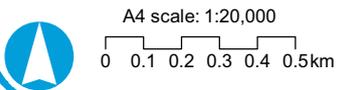
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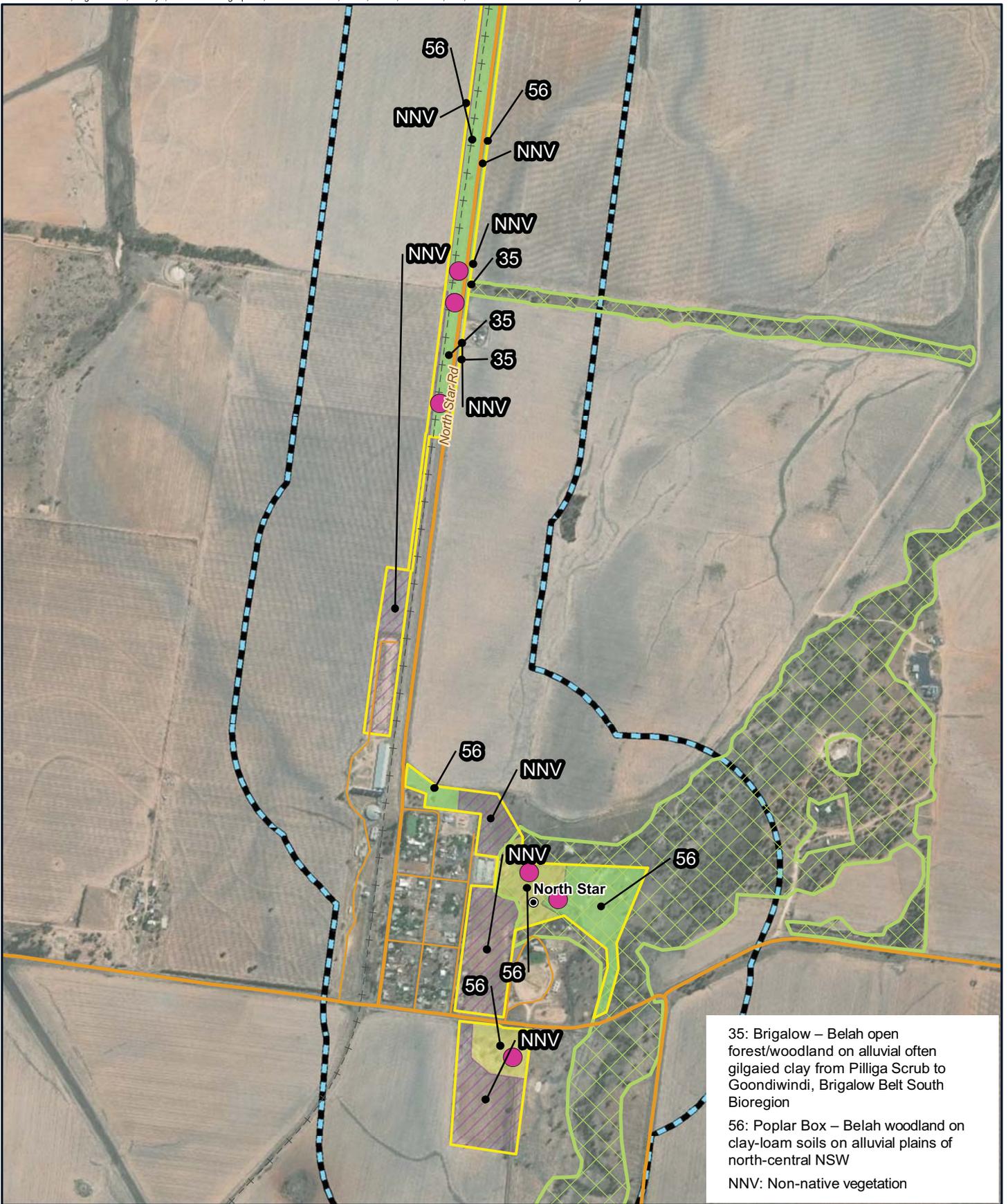
Scattered paddock trees

Legend

- BAM plots
- ▨ PCT H-M-L Unclassified
- +— Existing rail (operational)
- ▨ PCT High
- - - Existing rail (non-operational)
- ▨ PCT Medium
- Major roads
- ▨ PCT Low
- ▭ Subject land
- ▨ Vegetation patch
- ▭ Study area



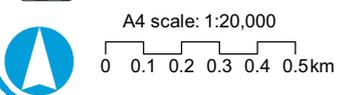
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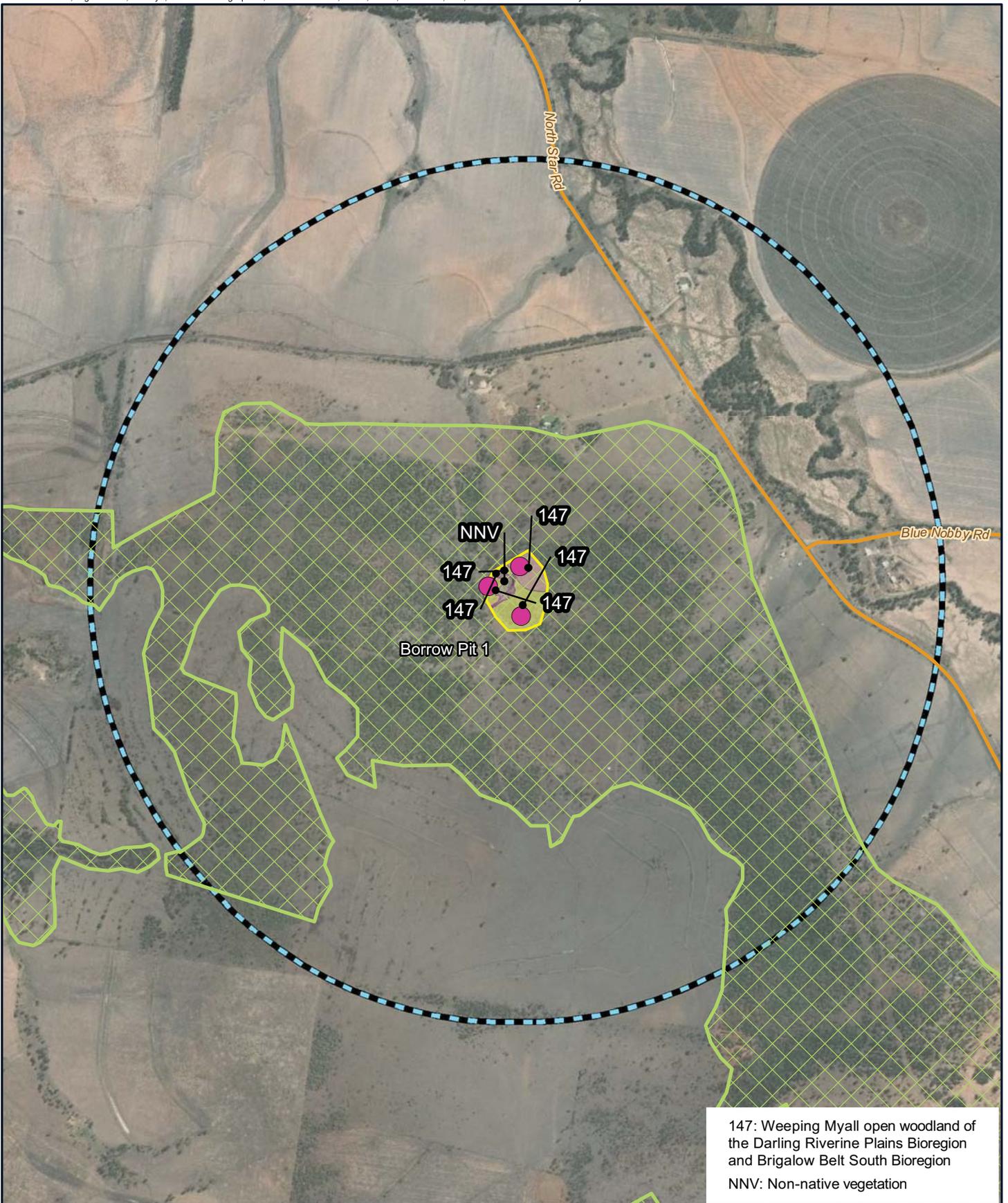
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Legend

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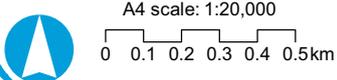
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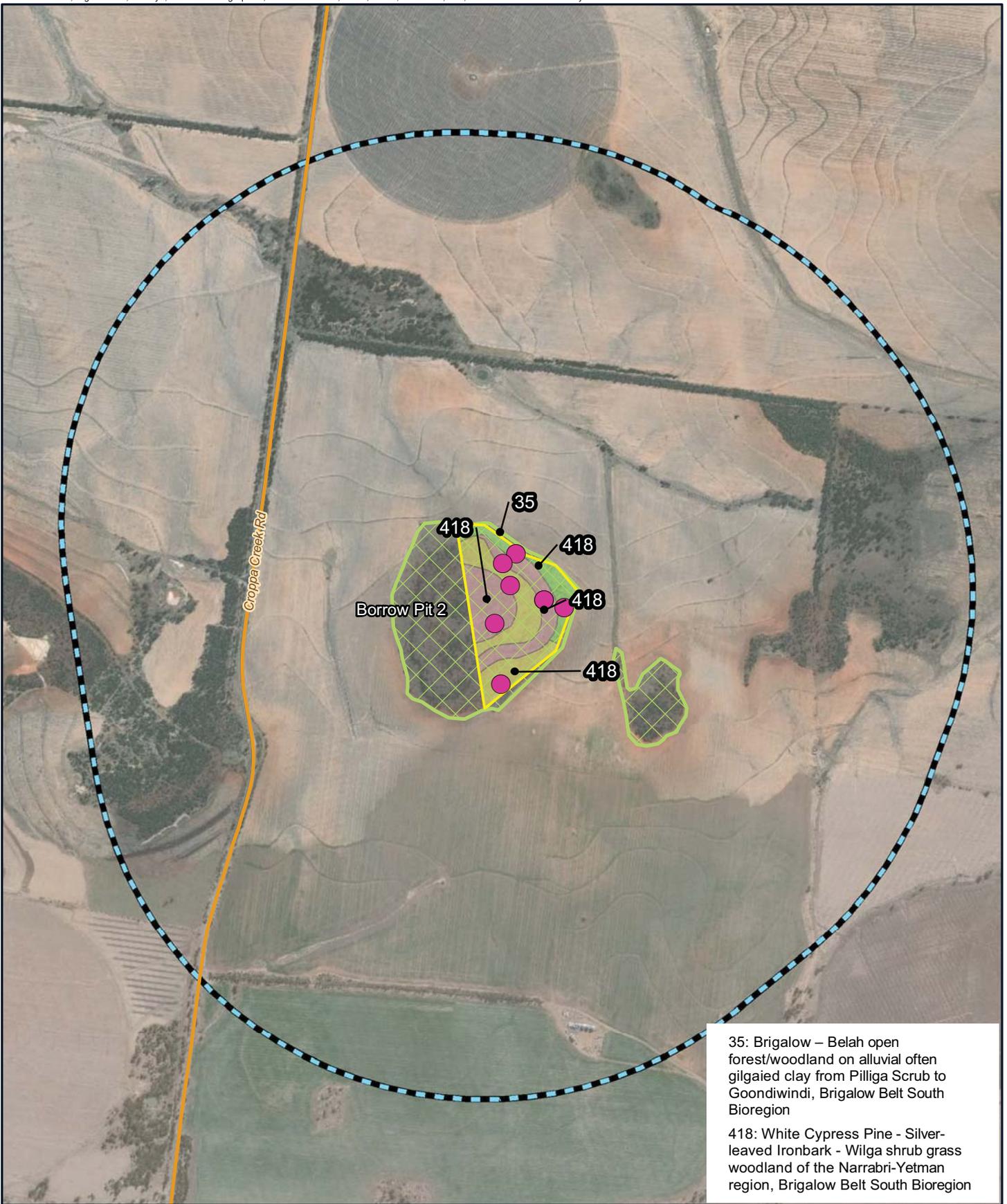
147: Weeping Myall open woodland of the Darling Riverine Plains Bioregion and Brigalow Belt South Bioregion
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Legend

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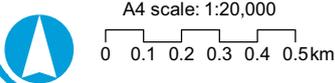


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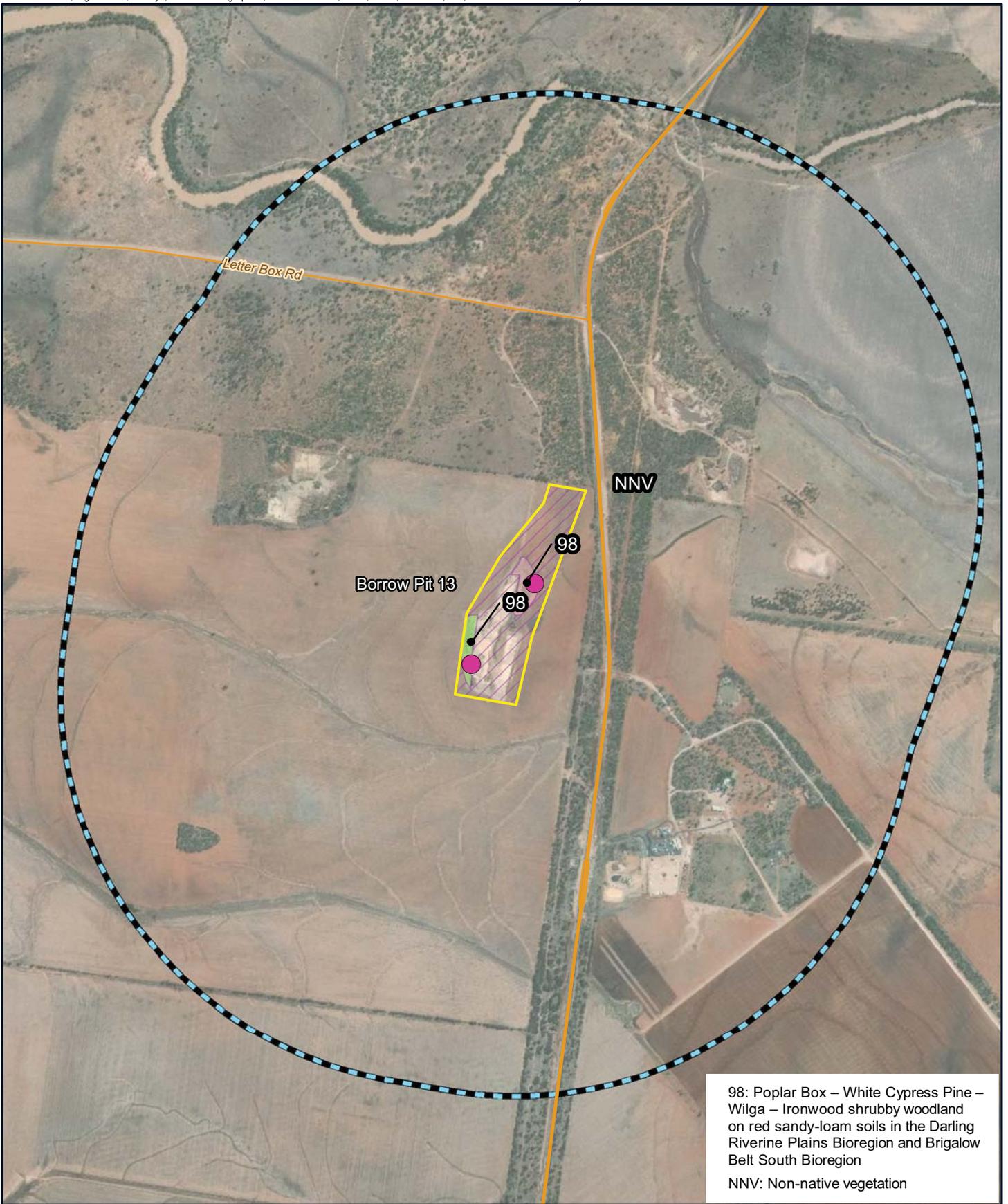
418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

Legend

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- PCT Low
- Vegetation patch



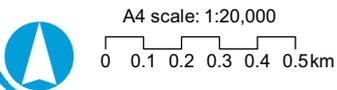
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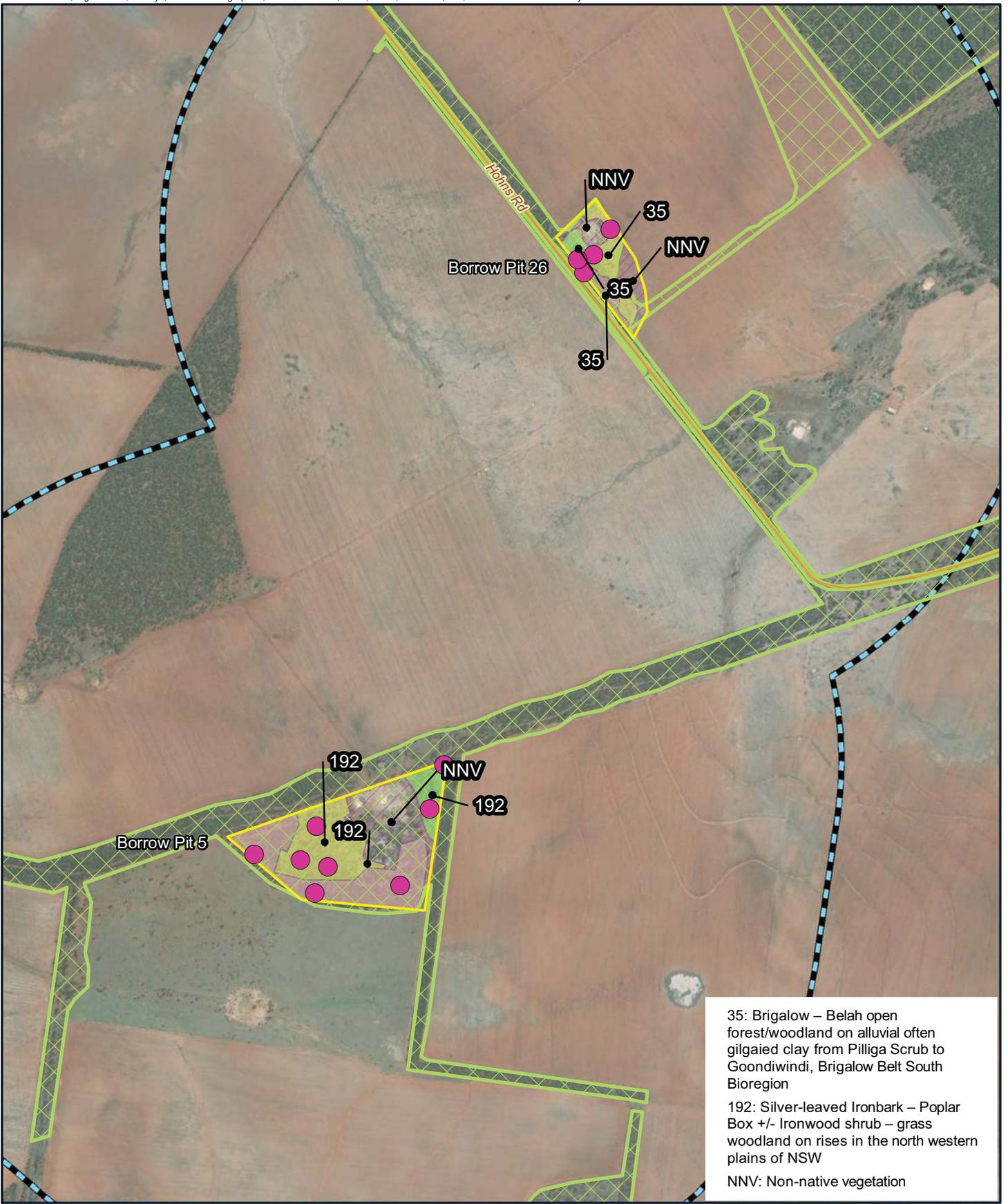
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- Minor roads
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- Study area
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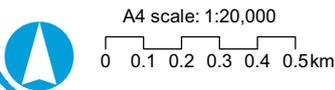
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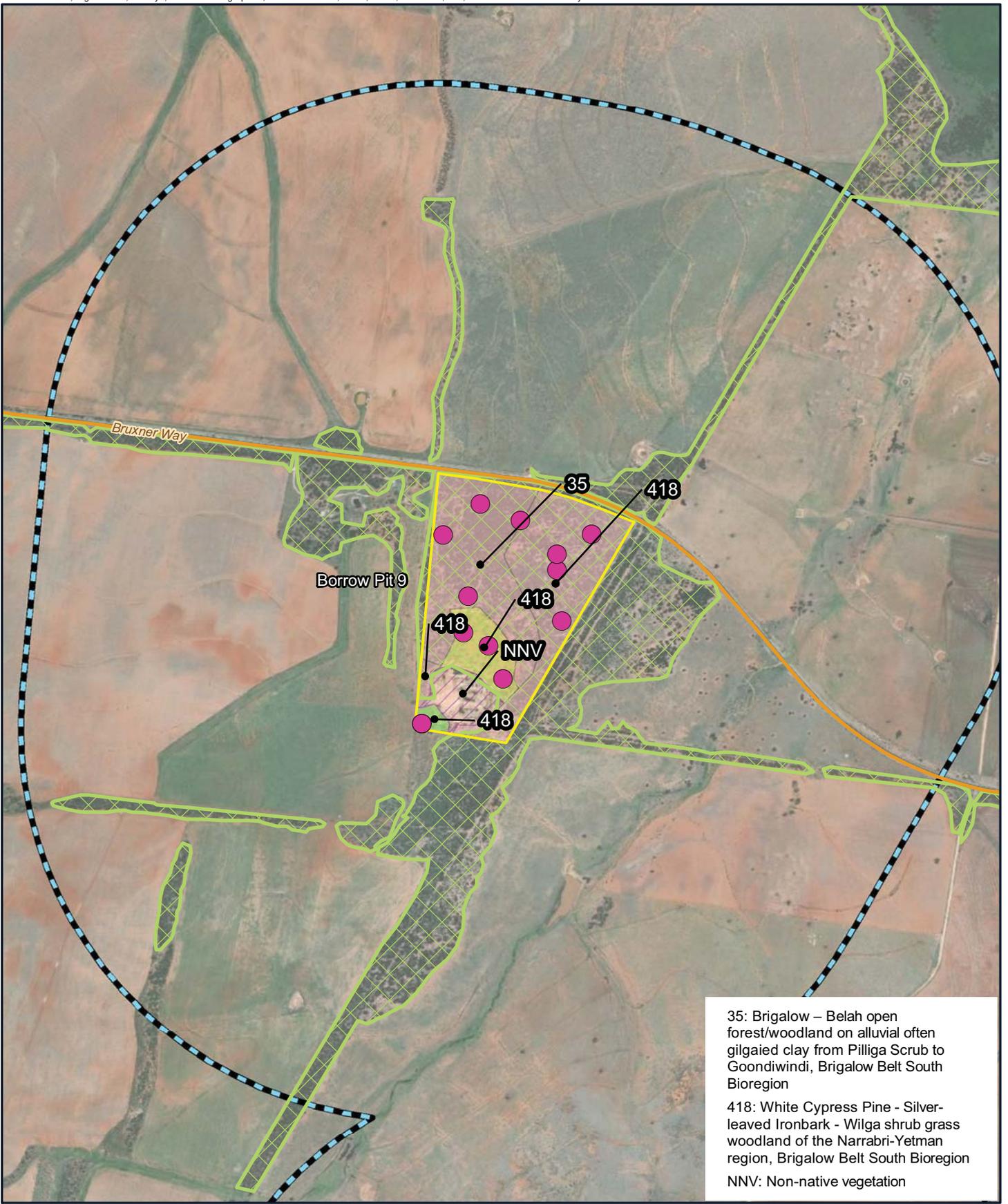
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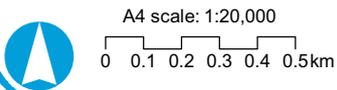
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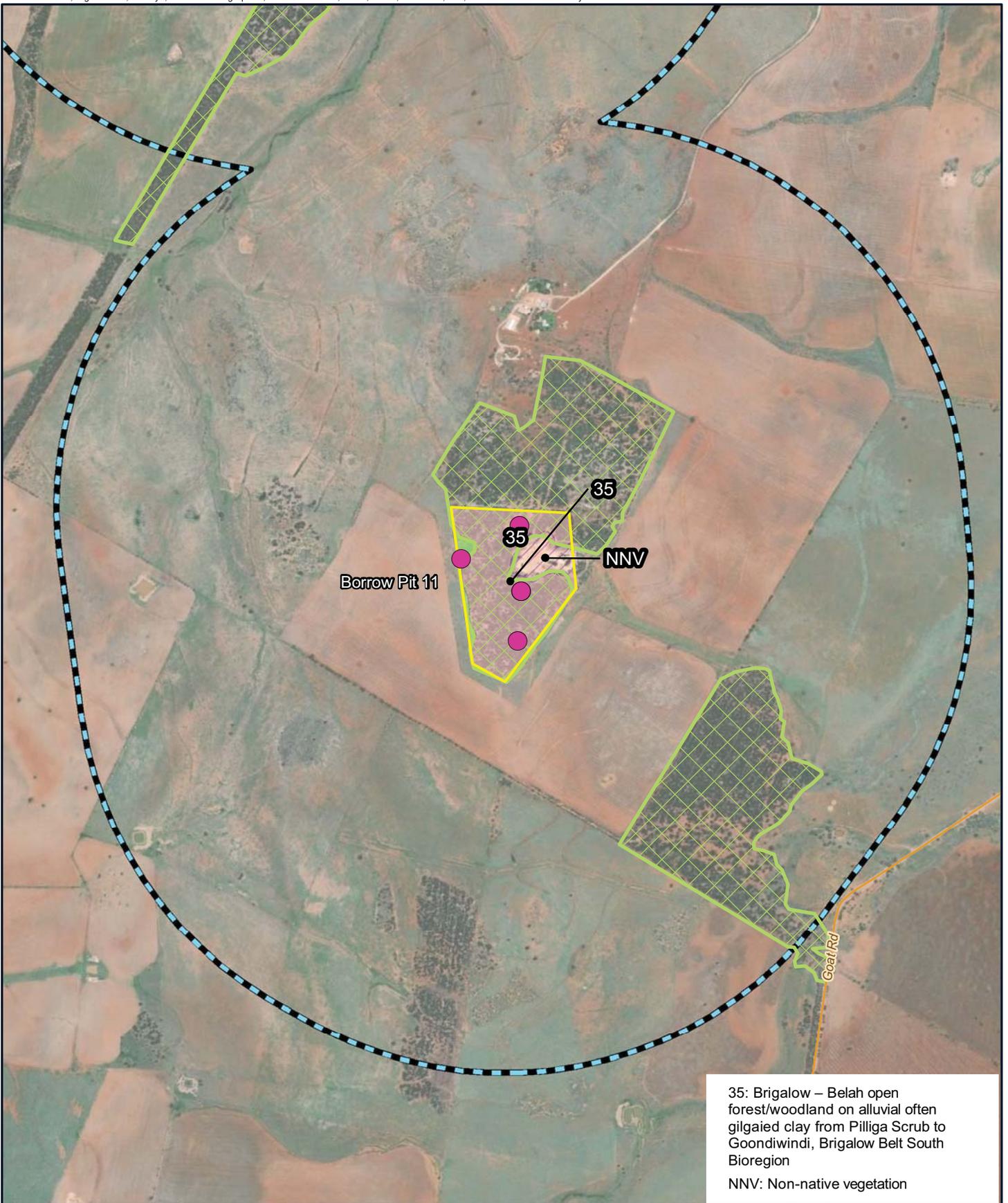
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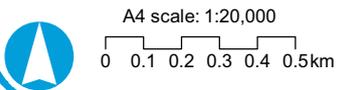


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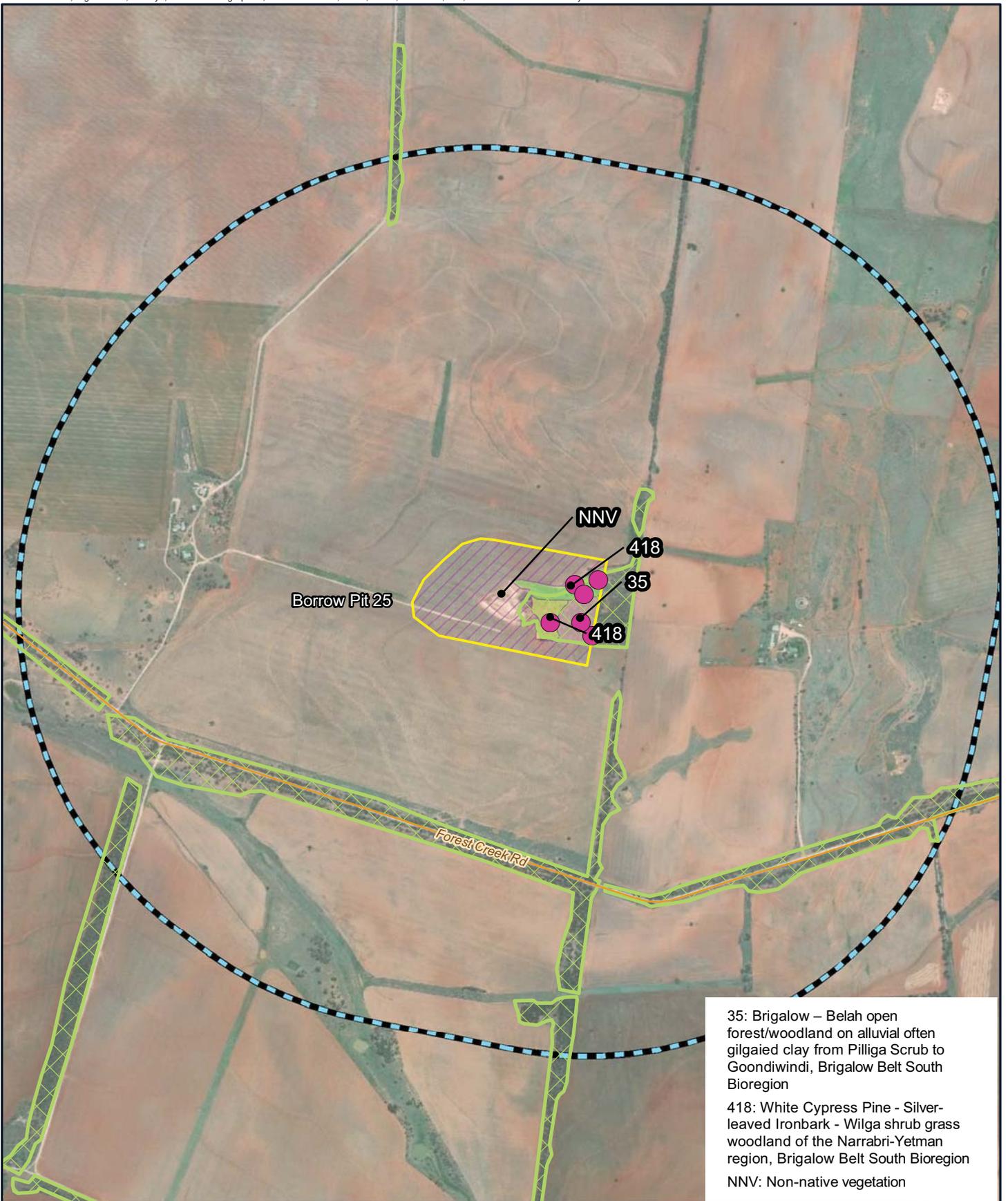
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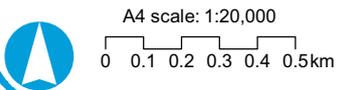
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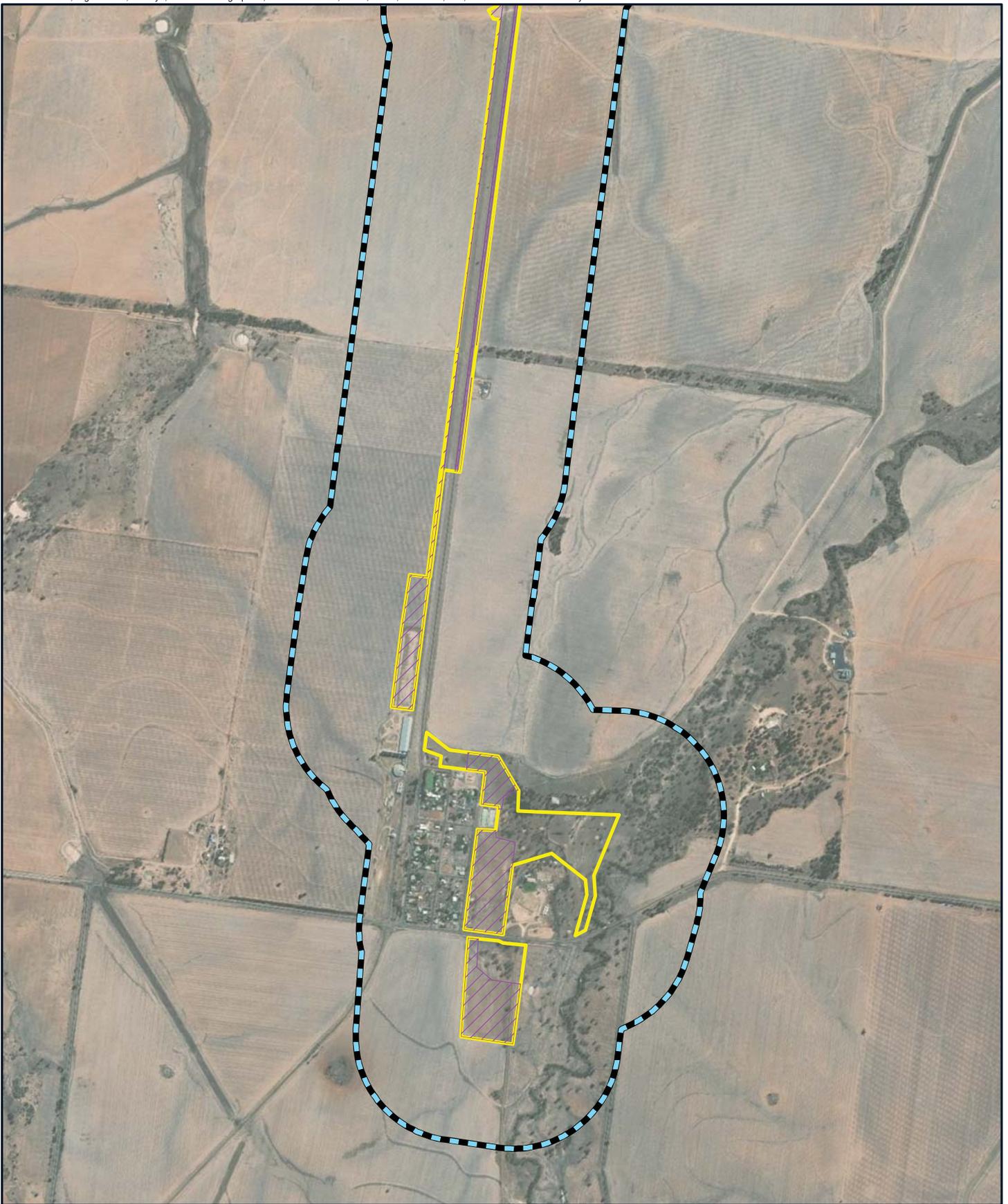
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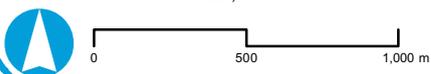


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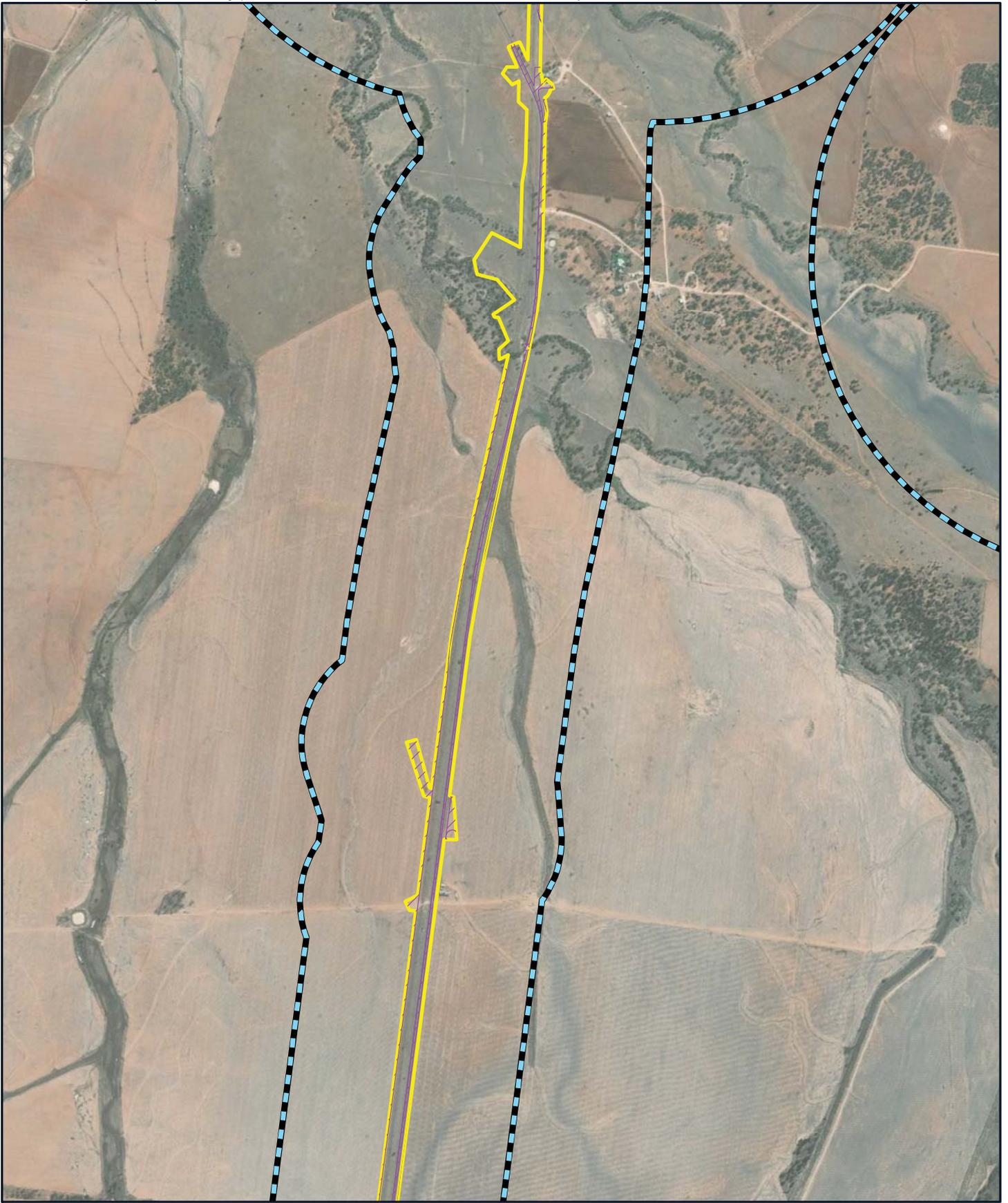
-  Non-native vegetation
-  Study area
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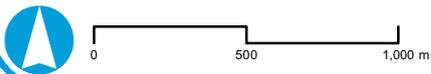


Legend

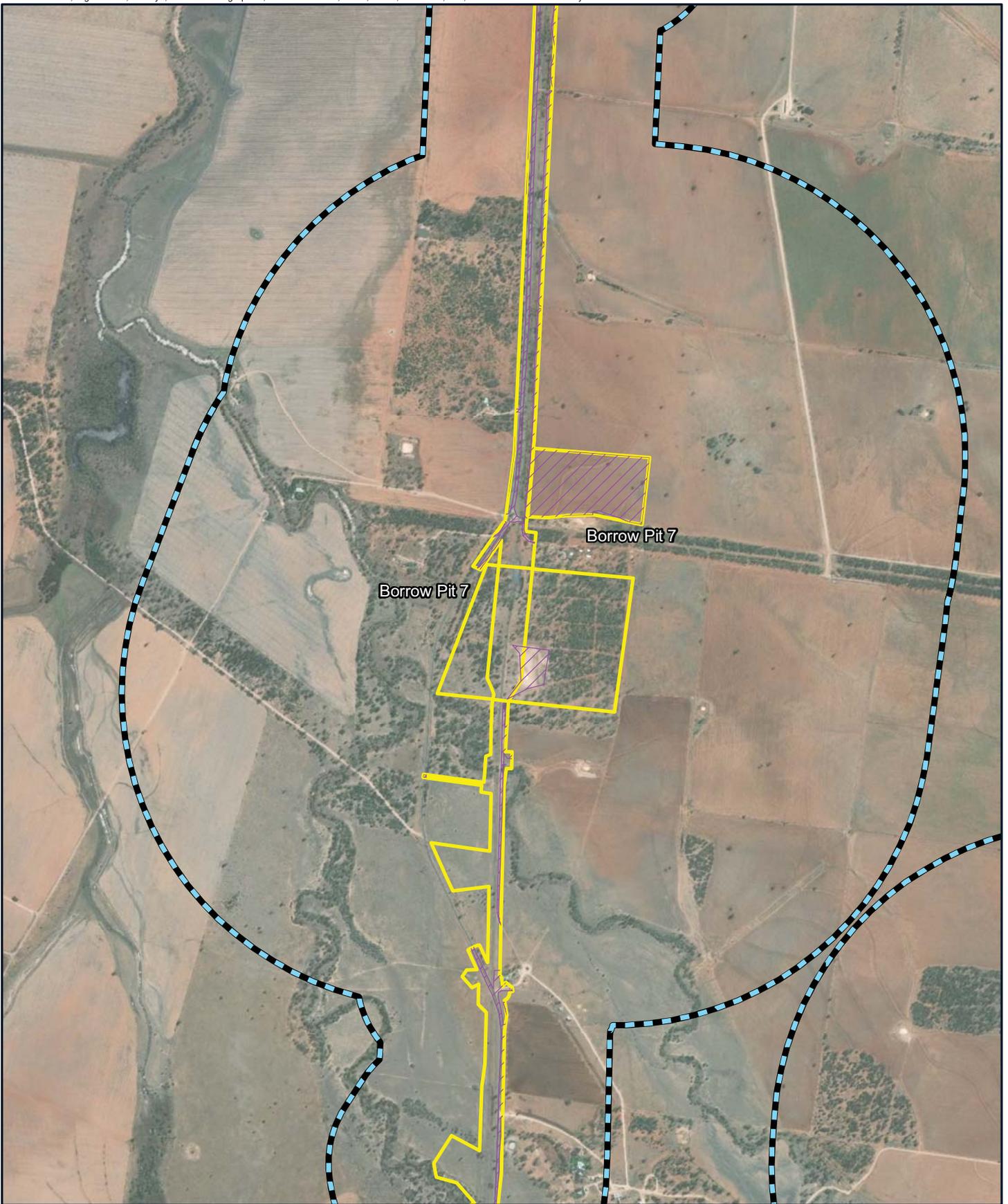
-  Non-native vegetation
-  Study area
-  Subject land



A4 scale: 1:25,000



Map by: MF/DTH/IGN Z/GIS/GIS_270_NS2B/Tasks/270-EAP-20200701-1428_FF_V_MapA-4_PT_NNV_areas_v2.mxd Date: 9/07/2020 19:38

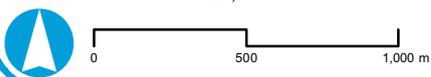


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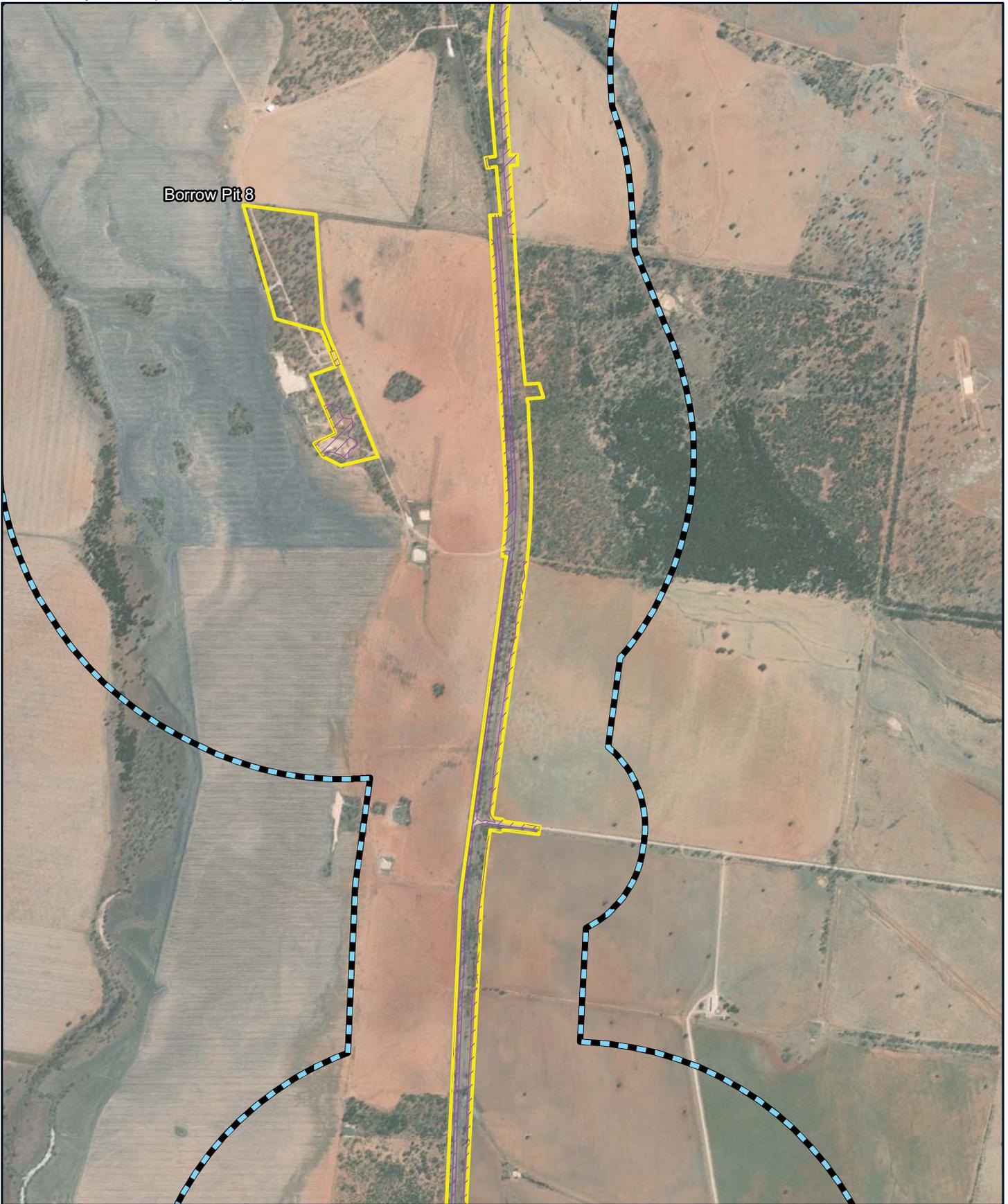
-  Non-native vegetation
-  Study area
-  Subject land



A4 scale: 1:25,000



Map by: MF/DTH/GN Z/GIS/GIS_270_NS2B/Tasks/270-EAP-202007011428_FFJV_MapA-4_PT_NNV_areas_v2.mxd Date: 9/07/2020 19:38

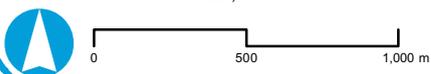


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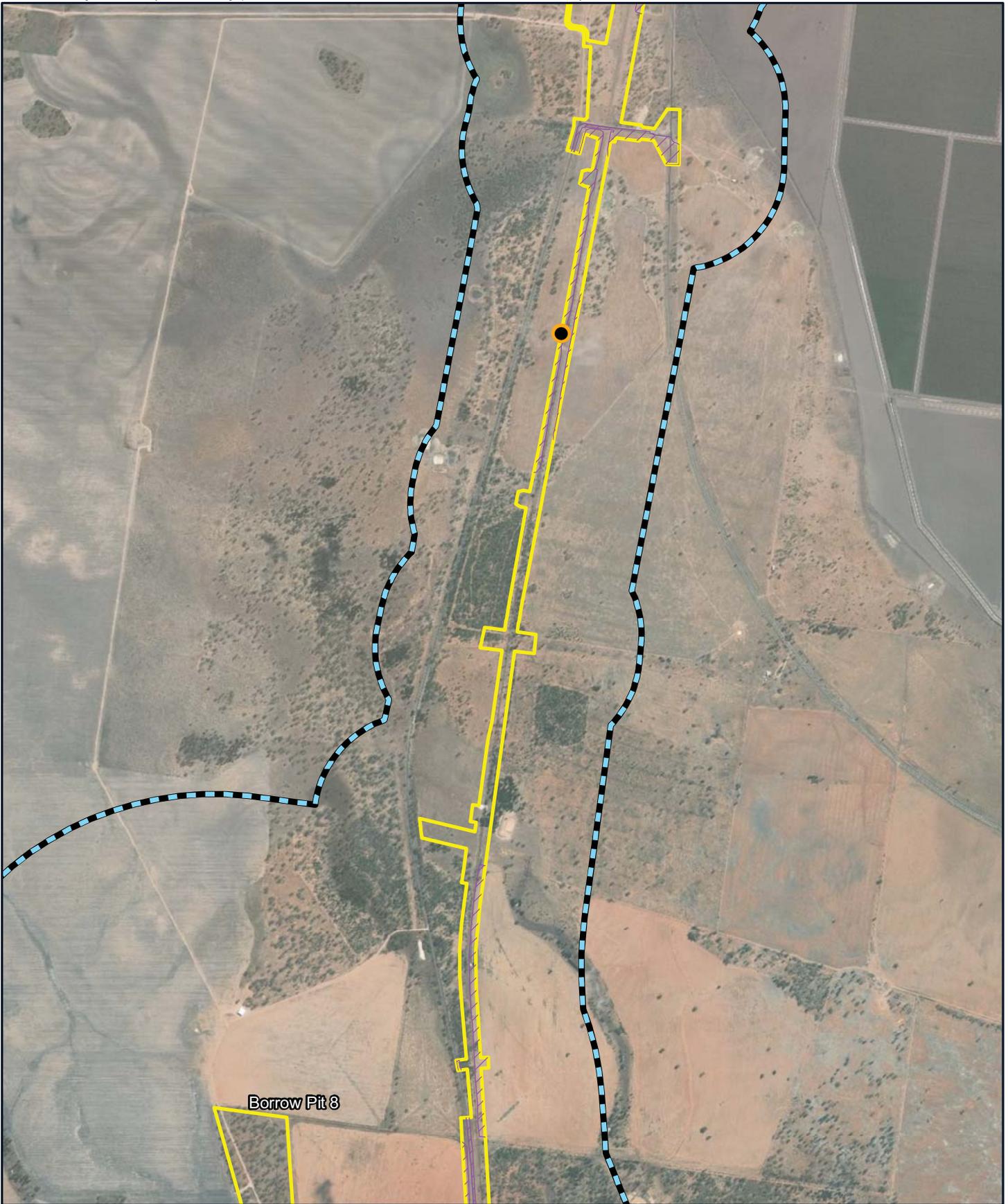
-  Non-native vegetation
-  Study area
-  Subject land



A4 scale: 1:25,000



Map by: MF/DTH/IGN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-20200701-1428_FFJV_MapA-4_PT_NNV_areas_v2.mxd Date: 9/07/2020 19:38

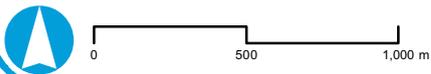


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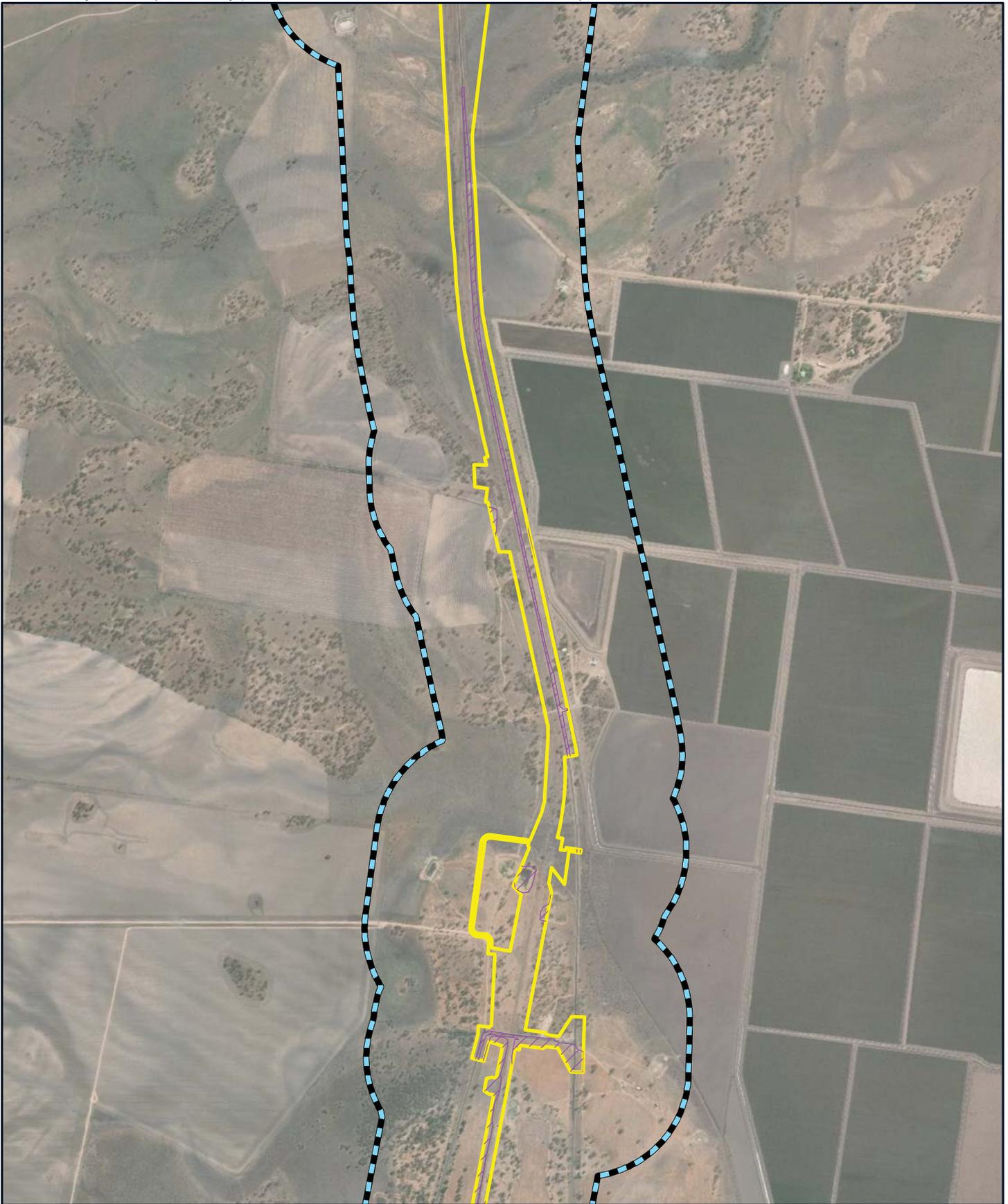
-  Paddock Trees, hollows present
-  Non-native vegetation
-  Study area
-  Subject land



A4 scale: 1:25,000



Map by: MF/DTH/IGN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-20200701-1428_FFJV_MapA-4_FT_NNV_areas_v2.mxd Date: 9/07/2020 19:38

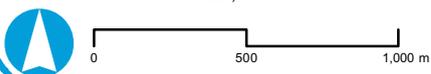


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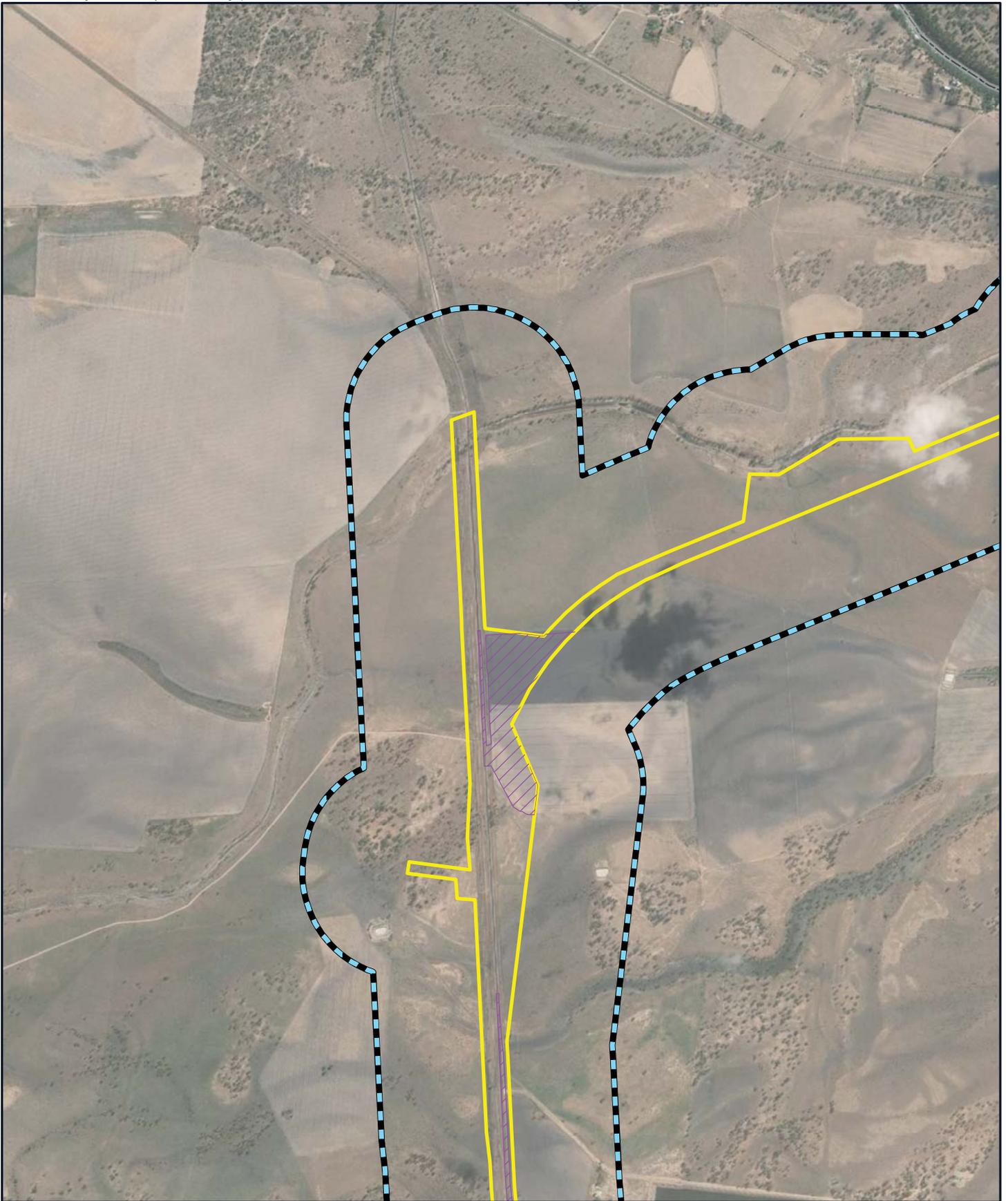
-  Non-native vegetation
-  Study area
-  Subject land



A4 scale: 1:25,000



Map by: MF/DTH/IGN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-20200701-1428_FFJV_MapA-4_PT_NNV_areas_v2.mxd Date: 9/07/2020 19:38

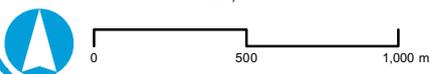


Legend

-  Non-native vegetation
-  Study area
-  Subject land



A4 scale: 1:25,000



Map by: MF/DTH/GN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-20200701-1428_FFJV_MapA-4_PT_NNV_areas_v2.mxd Date: 9/07/2020 19:38

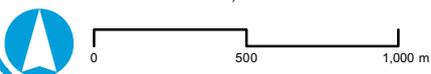


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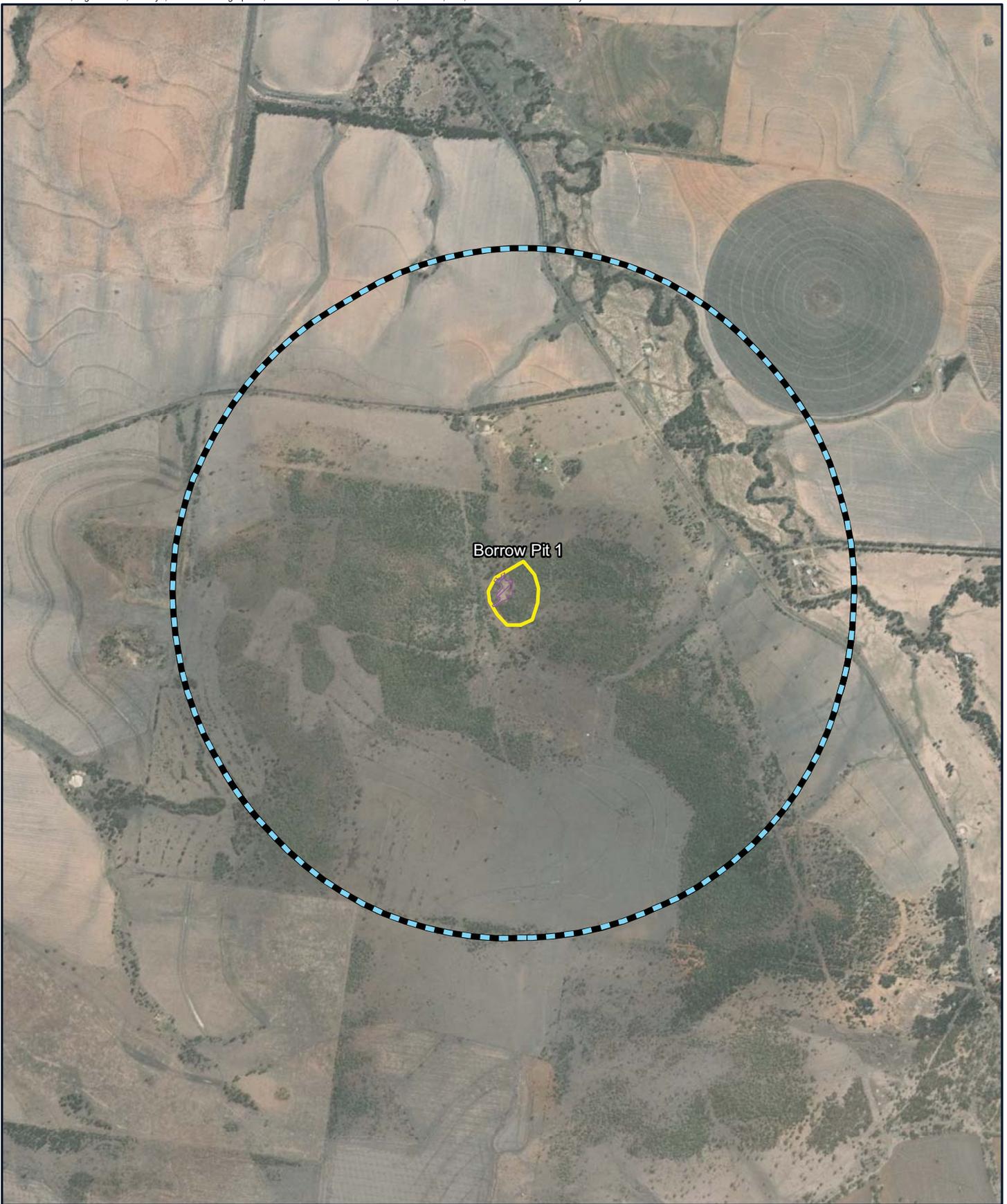
-  Paddock Trees, hollows present
-  Non-native vegetation
-  Study area
-  Subject land



A4 scale: 1:25,000



Map by: MF/DTH/IGN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-20200701-1428_GIS_Terrestrial_biodiversity\270_EAP_20200701-1428_FF\JV_MapA-4_PT_NNV_areas_v2.mxd Date: 9/07/2020 19:38



Legend

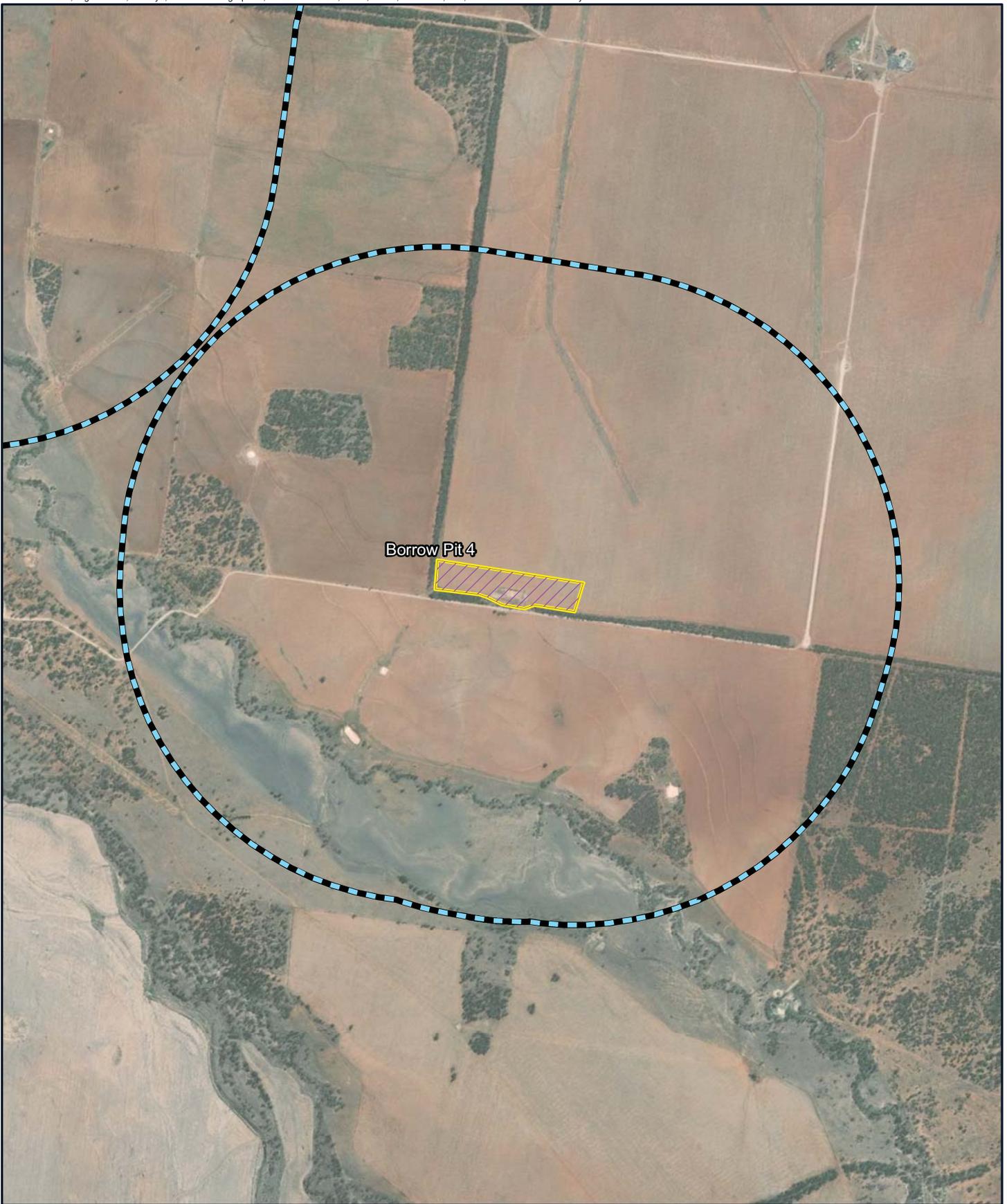
-  Non-native vegetation
-  Study area
-  Subject land



A4 scale: 1:25,000



Map by: MF/DTH/IGN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-20200701-1428_GIS_Terrestrial_biodiversity\270_EAP_20200701-1428_FF\JV_MapA-4_PT_NNV_areas_v2.mxd Date: 9/07/2020 19:38

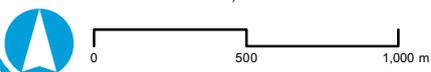


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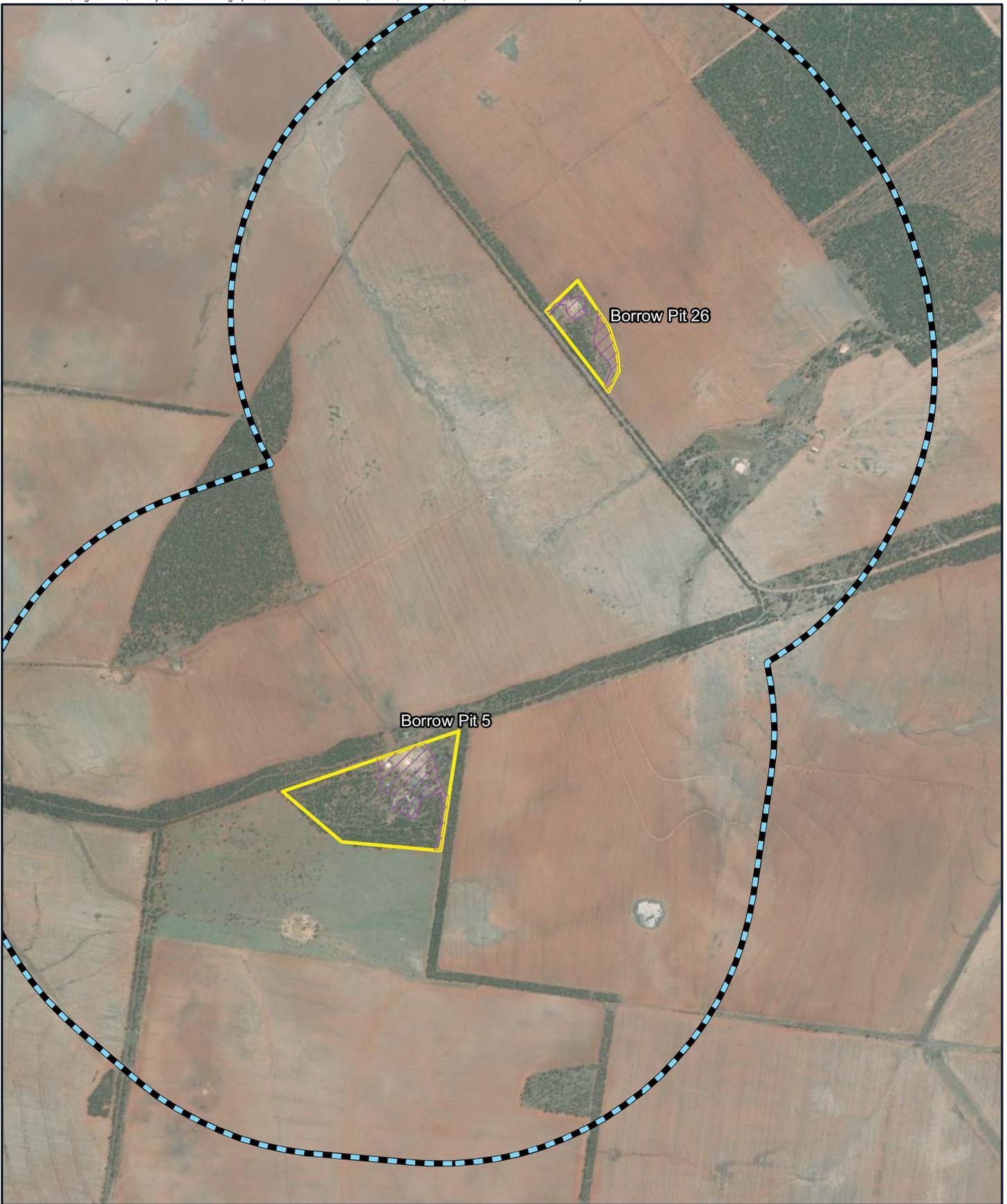
-  Non-native vegetation
-  Study area
-  Subject land



A4 scale: 1:25,000



Map by: MF/DTH/GN Z/GIS/GIS_270_NS2B/Tasks/270-EAP-202007011428_FF_V_MapA-4_PT_NNV_areas_v2.mxd Date: 9/07/2020 19:38

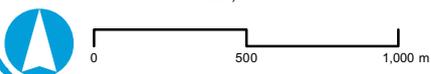


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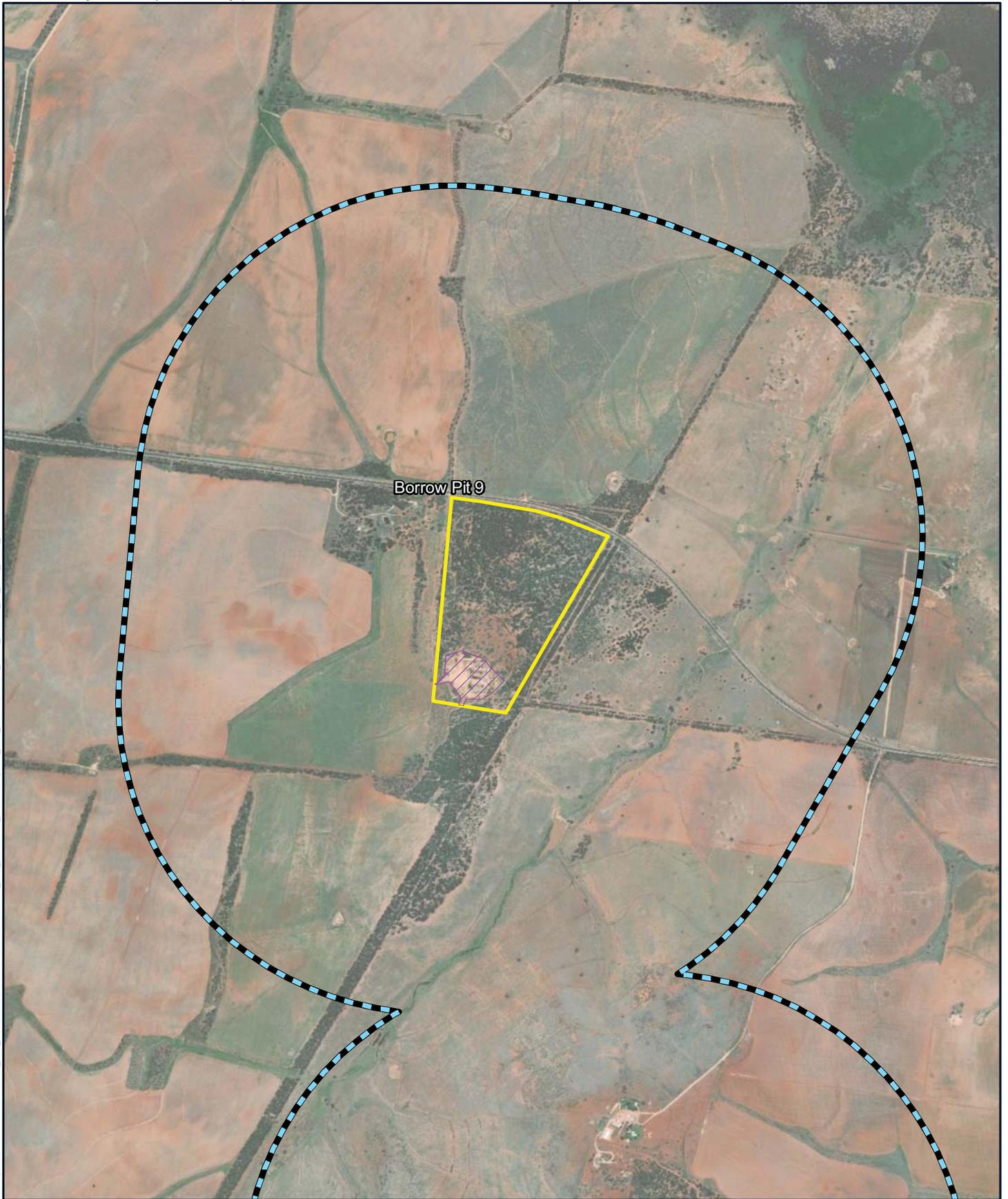
-  Non-native vegetation
-  Study area
-  Subject land



A4 scale: 1:25,000



Map by: MF/DTH/IGN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-20200701-1428_GIS_Terrestrial_biodiversity\270_EAP_20200701-1428_FF\JV_MapA-4_PT_NNV_areas_v2.mxd Date: 9/07/2020 19:38

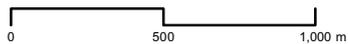


Legend

-  Non-native vegetation
-  Study area
-  Subject land



A4 scale: 1:25,000



Map by: MF/DTH/GN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-20200701-1428_FFJV_MapA-4_PT_NNV_areas_v2.mxd Date: 9/07/2020 19:38

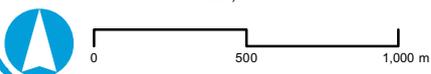


Legend

-  Non-native vegetation
-  Study area
-  Subject land



A4 scale: 1:25,000



Map by: MF/DTH/IGN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-20200701-1428_GIS_Terrestrial_biodiversity\270_EAP_20200701-1428_FF\JV_MapA-4_PT_NNV_areas_v2.mxd Date: 9/07/2020 19:38



Legend

-  Non-native vegetation
-  Study area
-  Subject land



A4 scale: 1:25,000



Map by: MF/DTH/IGN Z/GIS/GIS_270_NS2B/Tasks/270-EAP-202007011428_GIS_Terrestrial_biodiversity270_EAP_202007011428_FF_V_MapA-4_PT_NNV_areas_v2.mxd Date: 9/07/2020 19:38

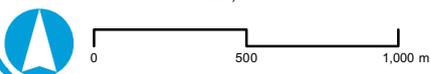


Legend

-  Non-native vegetation
-  Study area
-  Subject land



A4 scale: 1:25,000



Map by: D:\HRB\IM\IGN_Z\GIS\GIS_270_NS2BNTasks\270-EAP-2020\07011428_GIS_Terrestrial_biodiversity\270_EAP_2020\07011428_FF\IV_MapA.5_TECs_EPBC_v2.mxd Date: 9/07/2020 19:36



Legend

- Major roads
- NSW/QLD border
- Study area
- Subject land

BC Act and EPBC Act listed TECs

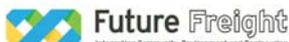
- Natural grasslands on basalt and fine-textured alluvial plains of northern NSW and southern QLD
- Poplar Box Grassy Woodland on Alluvial Plains

BC Act only listed TEC

- Carbeen Open Forest Community in the Darling Riverine Plains and Brigalow Belt South Bioregions



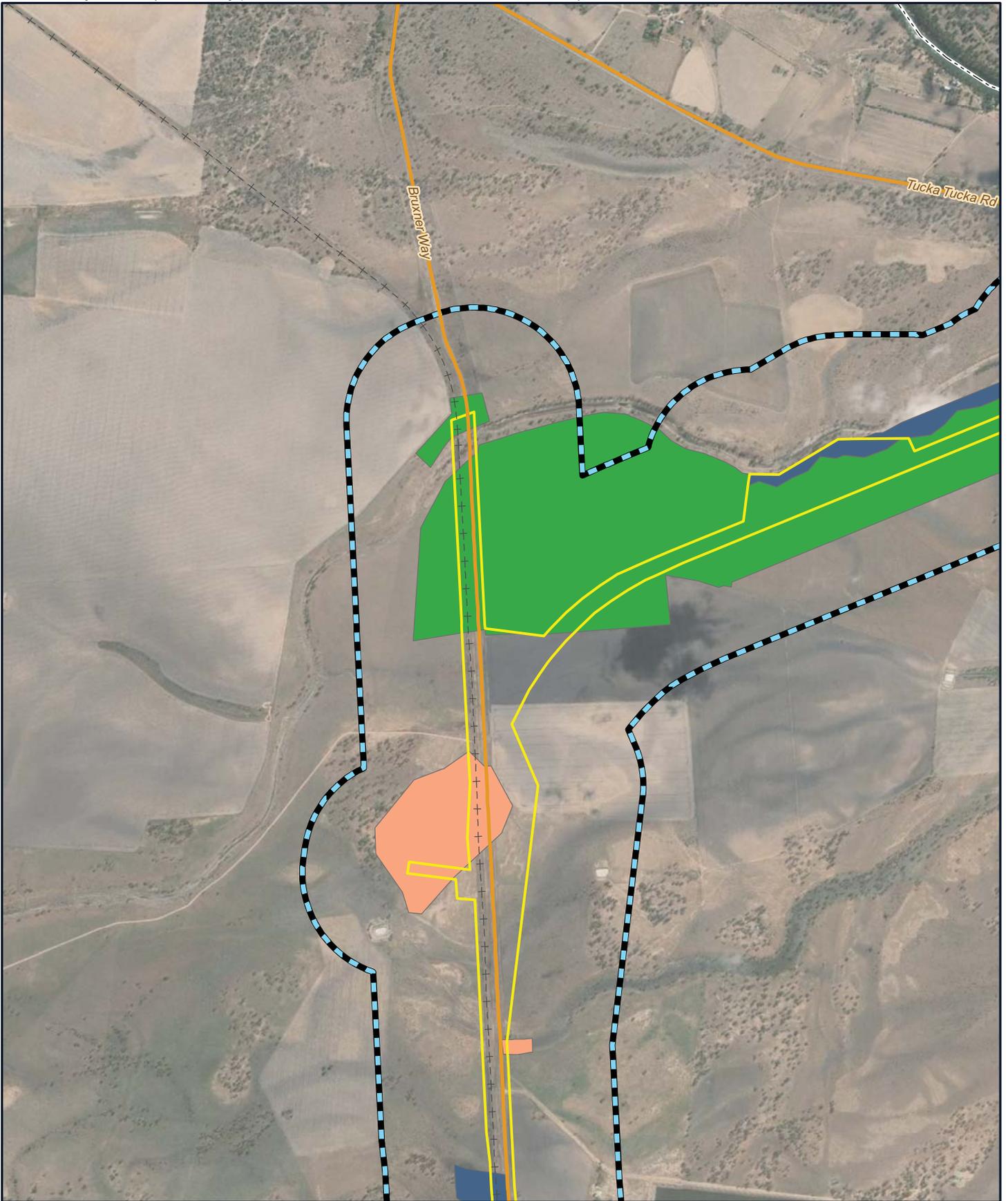
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 0 100 200 300 400 500 m



Date: 09/07/2020 Version: 2
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border
Map A.5a: Threatened Ecological Communities under BC and EPBC Acts

Map by: D:\HRBIM\F\IGN_Z\GIS\GIS: 270_NS2B1Tasks\270-EAP-2020\07011428_GIS_Terrrestrial_biodiversity\270_EAP_2020\07011428_FF\IV_MapA.5_TECs_EPBC_v2.mxd Date: 9/07/2020 19:36



Legend

- - - Existing rail (non-operational)
- Major roads
- - - NSW/QLD border
- ▭ Study area
- ▭ Subject land

BC Act and EPBC Act listed TECs

- ▭ Natural grasslands on basalt and fine-textured alluvial plains of northern NSW and southern QLD
- ▭ Poplar Box Grassy Woodland on Alluvial

BC Act only listed TEC

- ▭ Carbeen Open Forest Community in the Darling Riverine Plains and Brigalow Belt South Bioregions



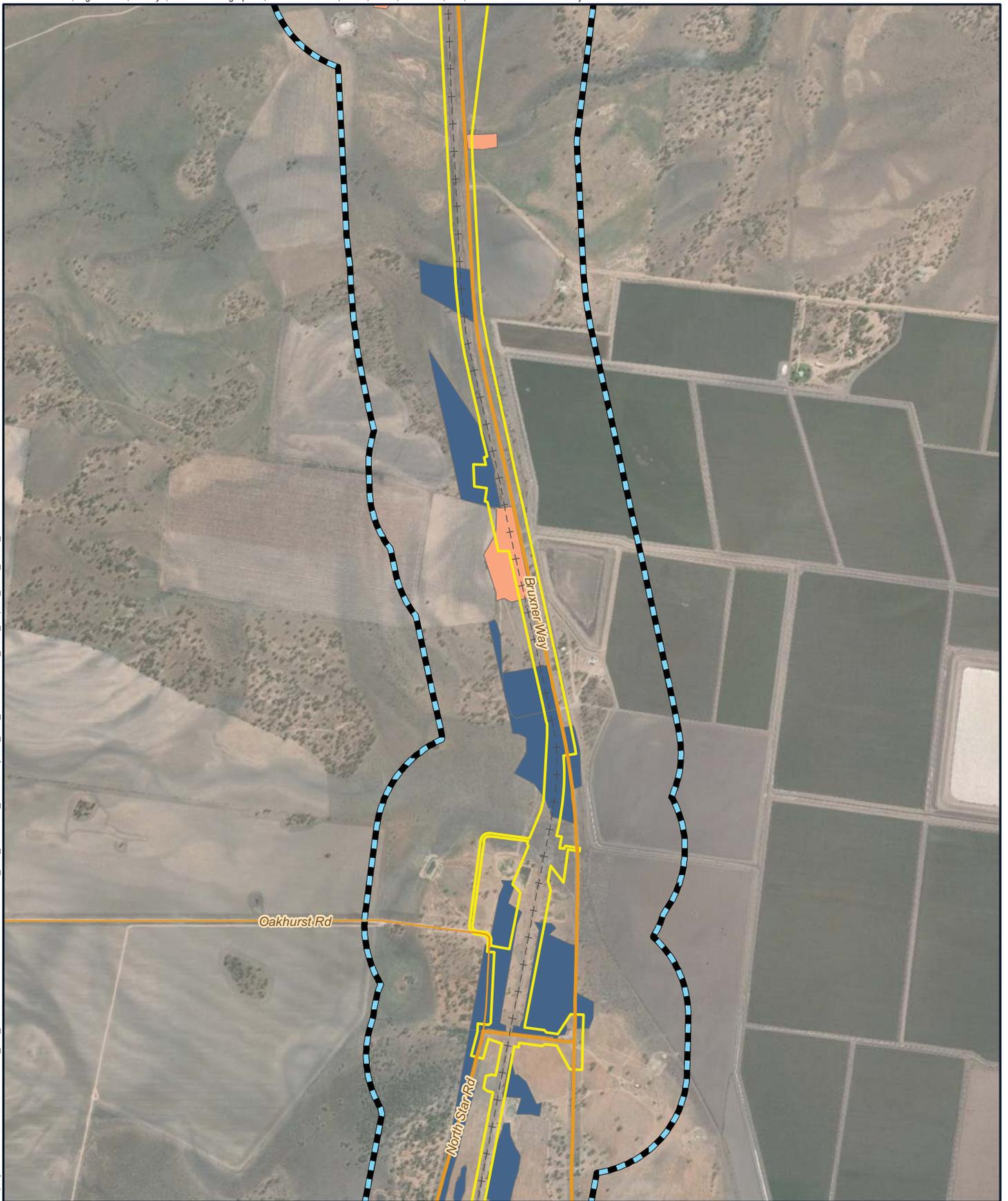
A4 scale: 1:25,000
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Date: 09/07/2020 Version: 2
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border
Map A.5b: Threatened Ecological Communities
under BC and EPBC Acts

Map by: D:\HRB\I\G\N_Z\GIS\GIS_270_NSZBTasks\270-EAP-2020\07011428_GIS_Terrrestrial_biodiversity\270_EAP_2020\07011428_FF\IV_MapA.5_TECs_EPBC_v2.mxd Date: 9/07/2020 19:36



Legend

- - - Existing rail (non-operational)
- Major roads
- Minor roads
- Study area
- Subject land

BC Act and EPBC Act listed TECs

- Poplar Box Grassy Woodland on Alluvial

BC Act only listed TEC

- Carbeen Open Forest Community in the Darling Riverine Plains and Brigalow Belt South Bioregions



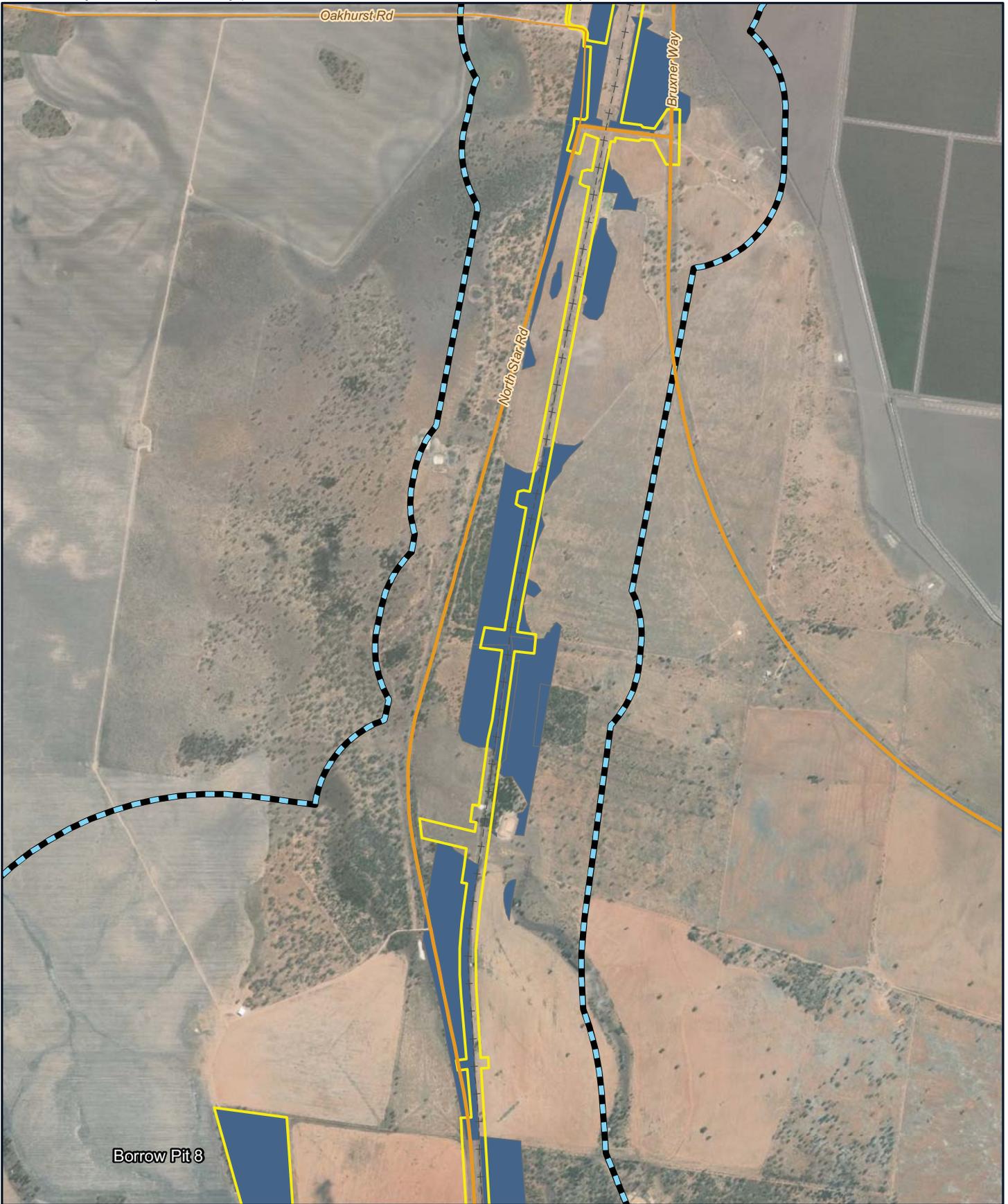
A4 scale: 1:25,000
 0 100 200 300 400 500 m



Date: 09/07/2020 Version: 2
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border
Map A.5c: Threatened Ecological Communities under BC and EPBC Acts

Map by: D:\HR\BIM\F\IGN_Z\GIS\GIS_270_NS2B1\Tasks\270-EAP-2020\07011428_GIS_Terrestrial_biodiversity\270_EAP_2020\07011428_FF\IV_MapA.5_TECs_EPBC_v2.mxd Date: 9/07/2020 19:36



Legend

- - - Existing rail (non-operational)
- Major roads
- Minor roads
- ▣ Study area
- ▣ Subject land

- BC Act and EPBC Act listed TECs**
- ▣ Poplar Box Grassy Woodland on Alluvial



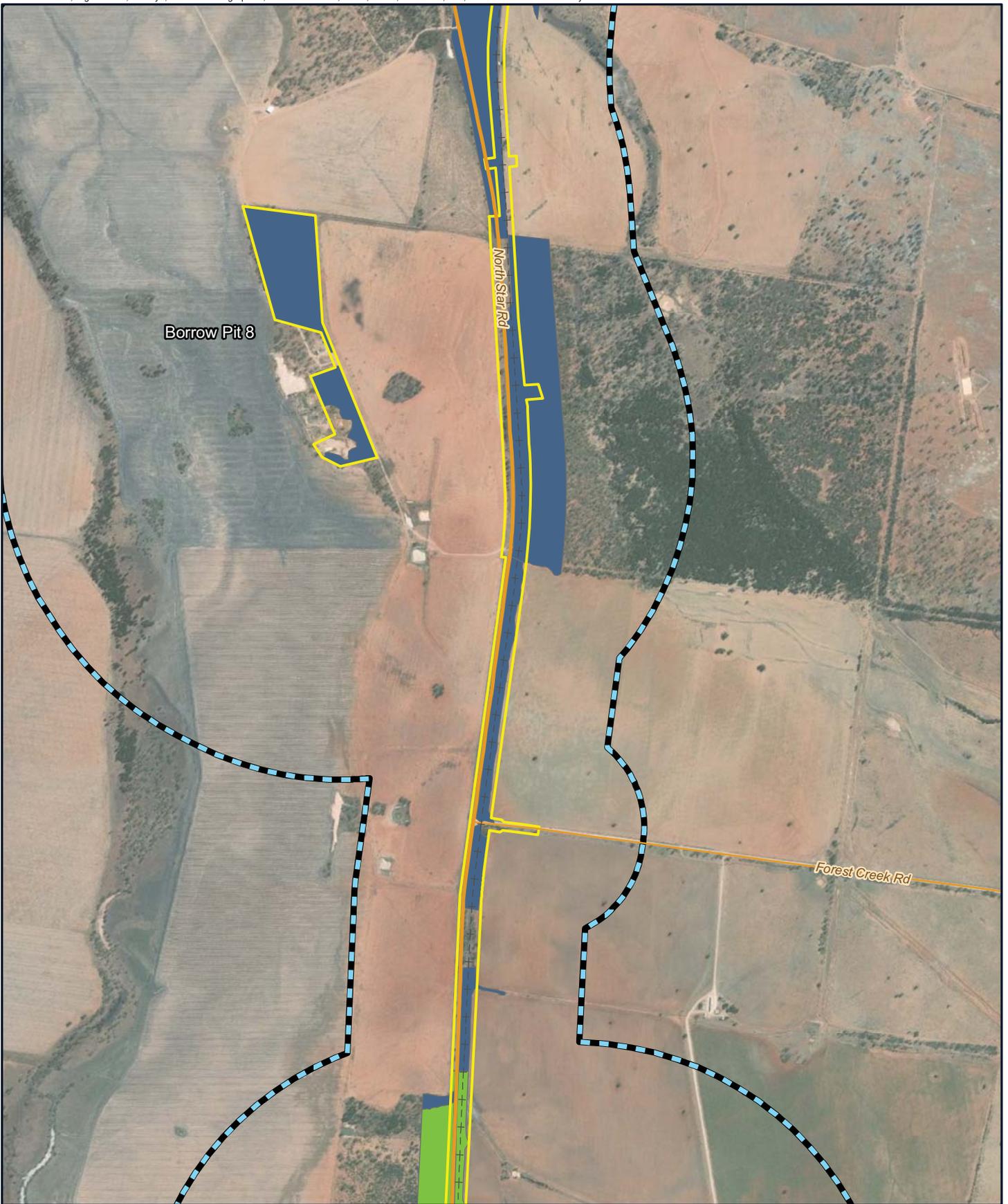
A4 scale: 1:25,000
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Date: 09/07/2020 Version: 2
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border
Map A.5d: Threatened Ecological Communities
under BC and EPBC Acts

Map by: D:\HR\BIM\F\IGN_Z\GIS\GIS_270_NS2B1Tasks\270-EAP-2020\07011428_GIS_Terrestrial_biodiversity\270_EAP_2020\07011428_FF\IV_MapA.5_TECs_EPBC_v2.mxd Date: 9/07/2020 19:36



Legend

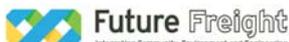
- - - Existing rail (non-operational)
- Major roads
- Minor roads
- Study area
- Subject land

BC Act and EPBC Act listed TECs

- Brigalow (Acacia harpophylla dominant and co-dominant)
- Poplar Box Grassy Woodland on Alluvial Plains



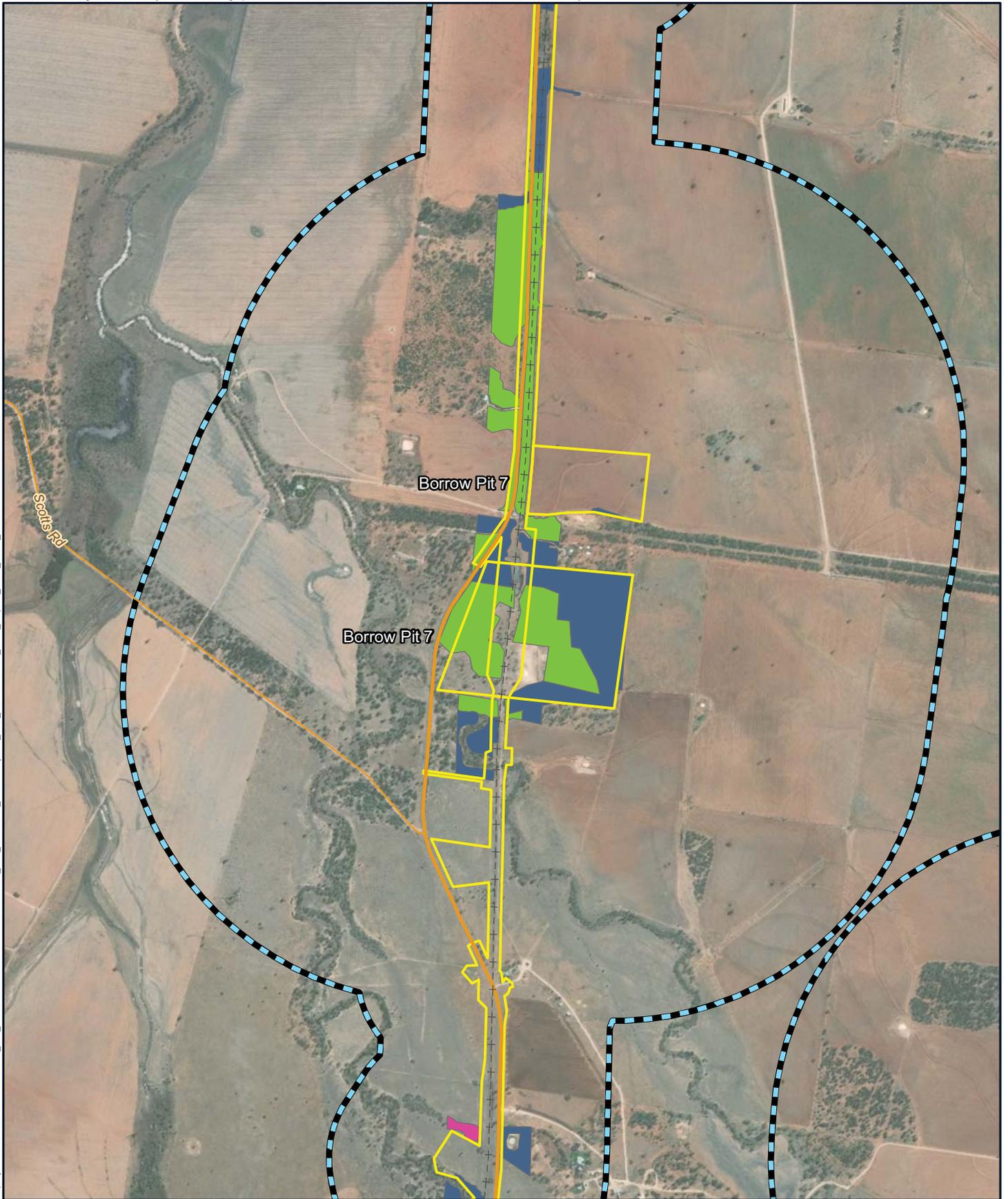
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 0 100 200 300 400 500 m



Date: 09/07/2020 Version: 2
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border
Map A.5e: Threatened Ecological Communities under BC and EPBC Acts

Map by: D:\HRB\BIM\GIS\Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-2020\07011428_GIS_Terrestrial_biodiversity\270_EAP_2020\07011428_FF\IV_MapA.5_TECs_EPBC_v2.mxd Date: 9/07/2020 19:36



Legend

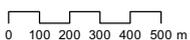
- - - Existing rail (non-operational)
- Major roads
- Minor roads
- ▭ Study area
- ▭ Subject land

BC Act and EPBC Act listed TECs

- ▭ Brigalow (Acacia harpophylla dominant and co-dominant)
- ▭ Poplar Box Grassy Woodland on Alluvial Plains
- ▭ Weeping Myall Woodlands



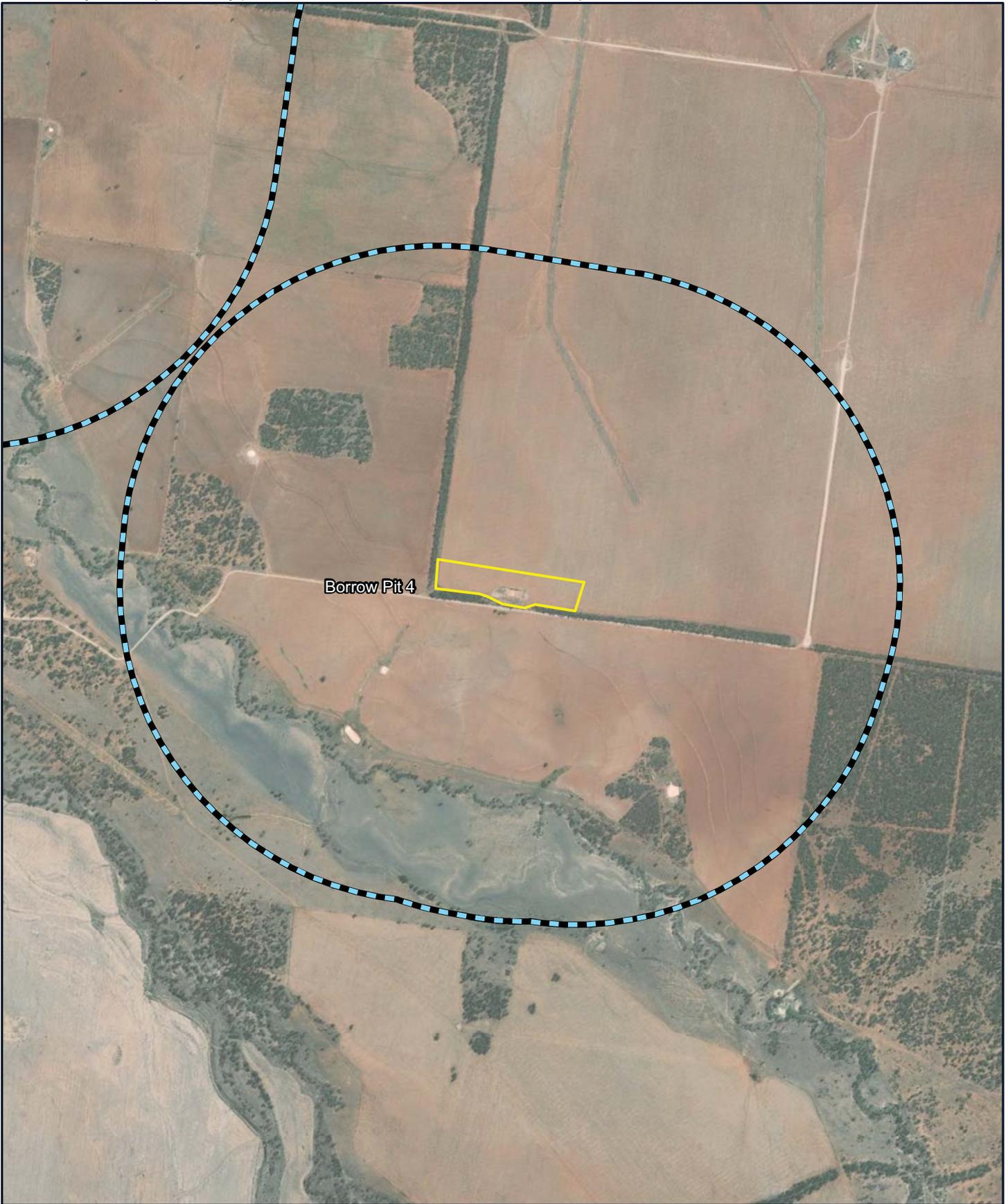
A4 scale: 1:25,000



Date: 09/07/2020 Version: 2
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border
Map A.5f: Threatened Ecological Communities
under BC and EPBC Acts

Map by: D:\HRB\MI\F\IGN_Z\GIS\GIS_270_NS2BNTasks\270-EAP-2020\07011428_GIS_Terrestrial_biodiversity\270_EAP_2020\07011428_FF\IV_MapA.5_TECs_EPBC_v2.mxd Date: 9/07/2020 19:36



Legend

-  Study area
-  Subject land



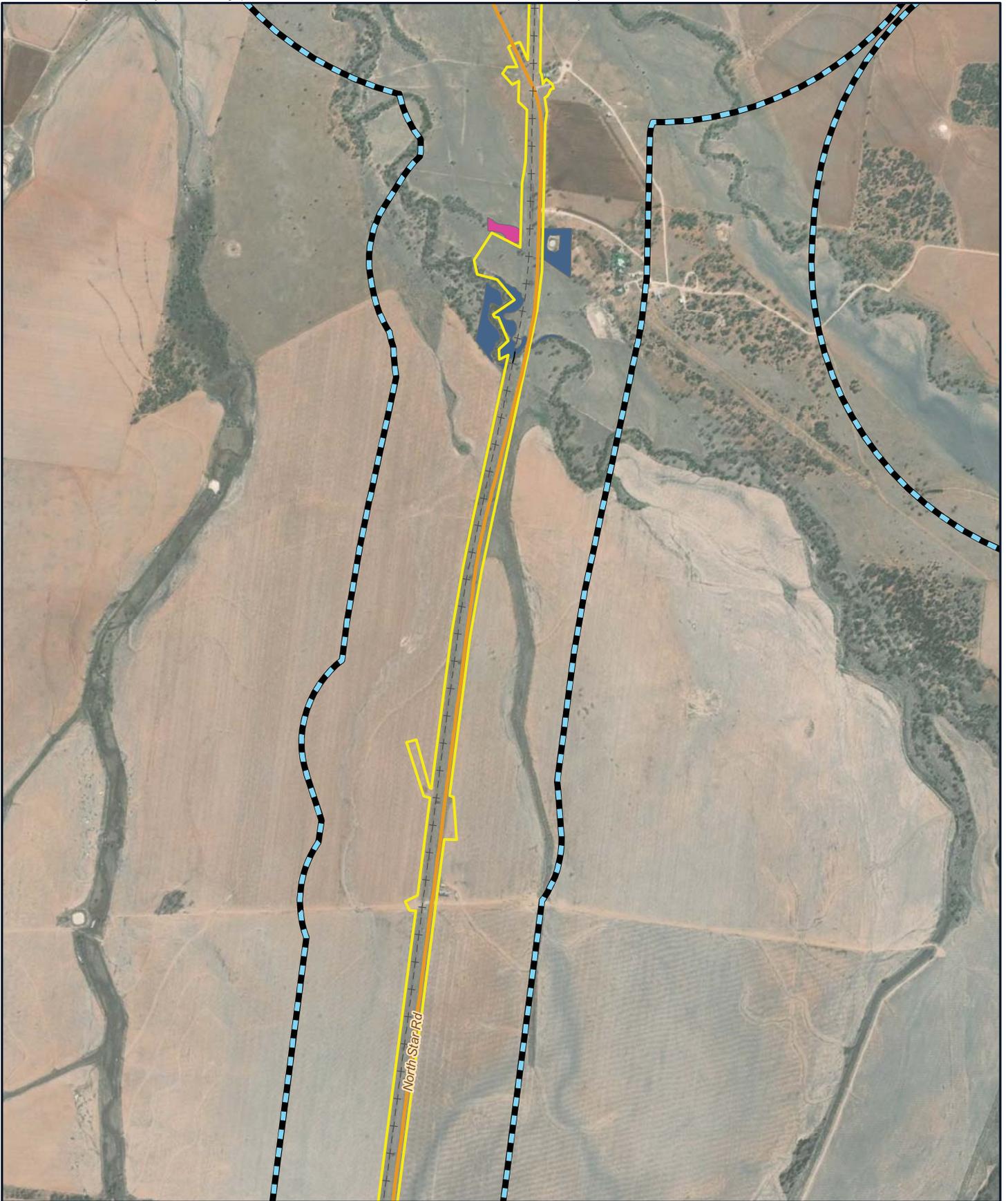
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0 100 200 300 400 500 m



Date: 09/07/2020 Version: 2
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border
Map A.5g: Threatened Ecological Communities
under BC and EPBC Acts

Map by: D:\HRBIM\F\IGN_Z\GIS\GIS_270_NS2B1Tasks\270-EAP-2020\07011428_GIS_Terrrestrial_biodiversity\270_EAP_2020\07011428_FF\IV_MapA.5_TECs_EPBC_v2.mxd Date: 9/07/2020 19:36



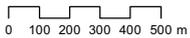
Legend

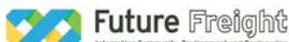
-  Existing rail (operational)
-  Existing rail (non-operational)
-  Major roads
-  Study area
-  Subject land

BC Act and EPBC Act listed TECs

-  Poplar Box Grassy Woodland on Alluvial
-  Weeping Myall Woodlands



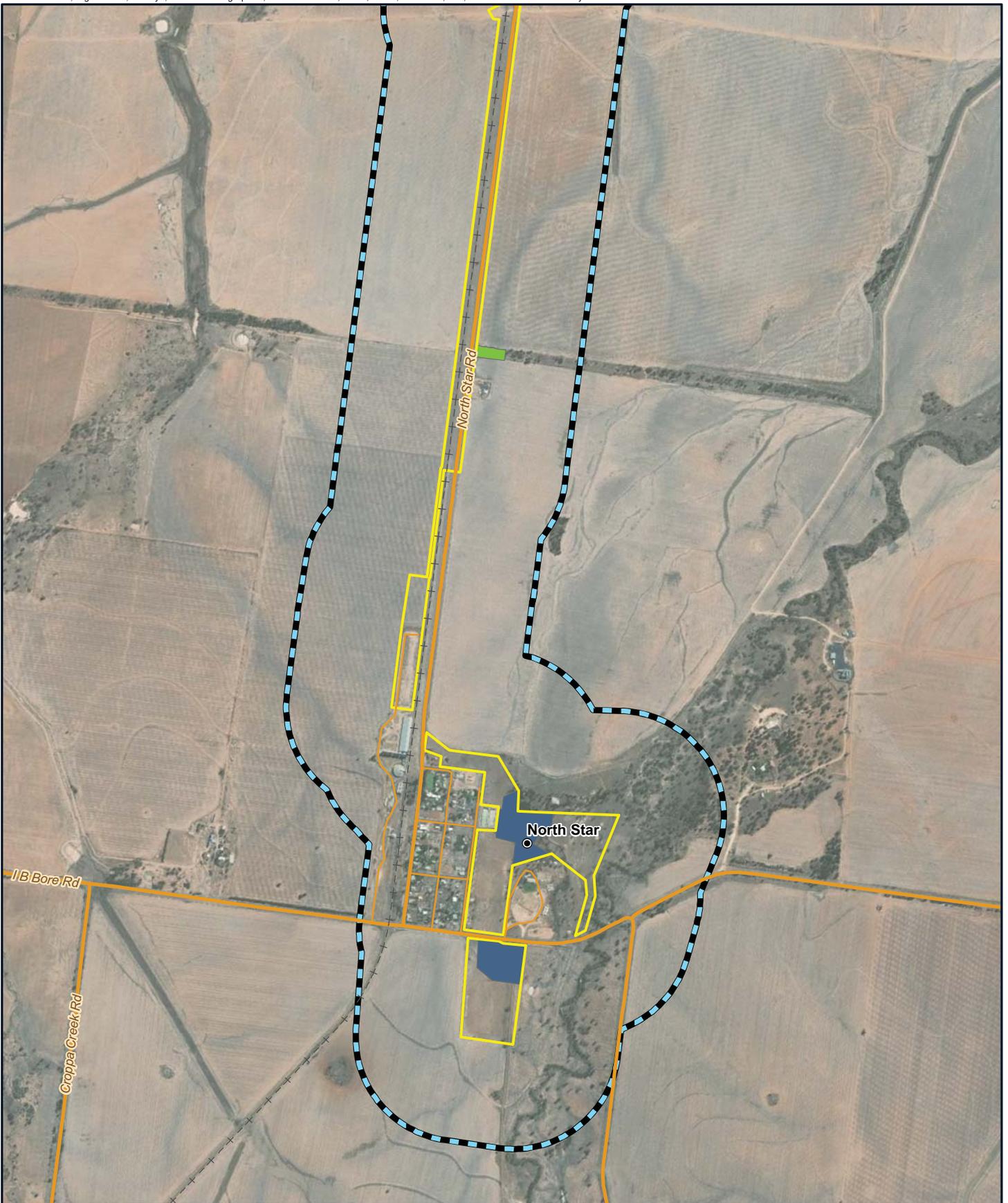
A4 scale: 1:25,000




Date: 09/07/2020 Version: 2
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border
Map A.5h: Threatened Ecological Communities
under BC and EPBC Acts

Map by: D:\HRBIM\F\IGN_Z\GIS\GIS_270_NS2B1\Tasks\270-EAP-2020\07011428_GIS_Terrestrial_biodiversity\270_EAP_2020\07011428_FF\IV_MapA.5_TECs_EPBC_v2.mxd Date: 9/07/2020 19:36



Legend

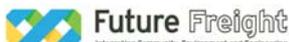
- Localities
- - - Existing rail (non-operational)
- Major roads
- Minor roads
- ▭ Study area
- ▭ Subject land

BC Act and EPBC Act listed TECs

- Brigalow (Acacia harpophylla dominant and co-dominant)
- Poplar Box Grassy Woodland on Alluvial Plains



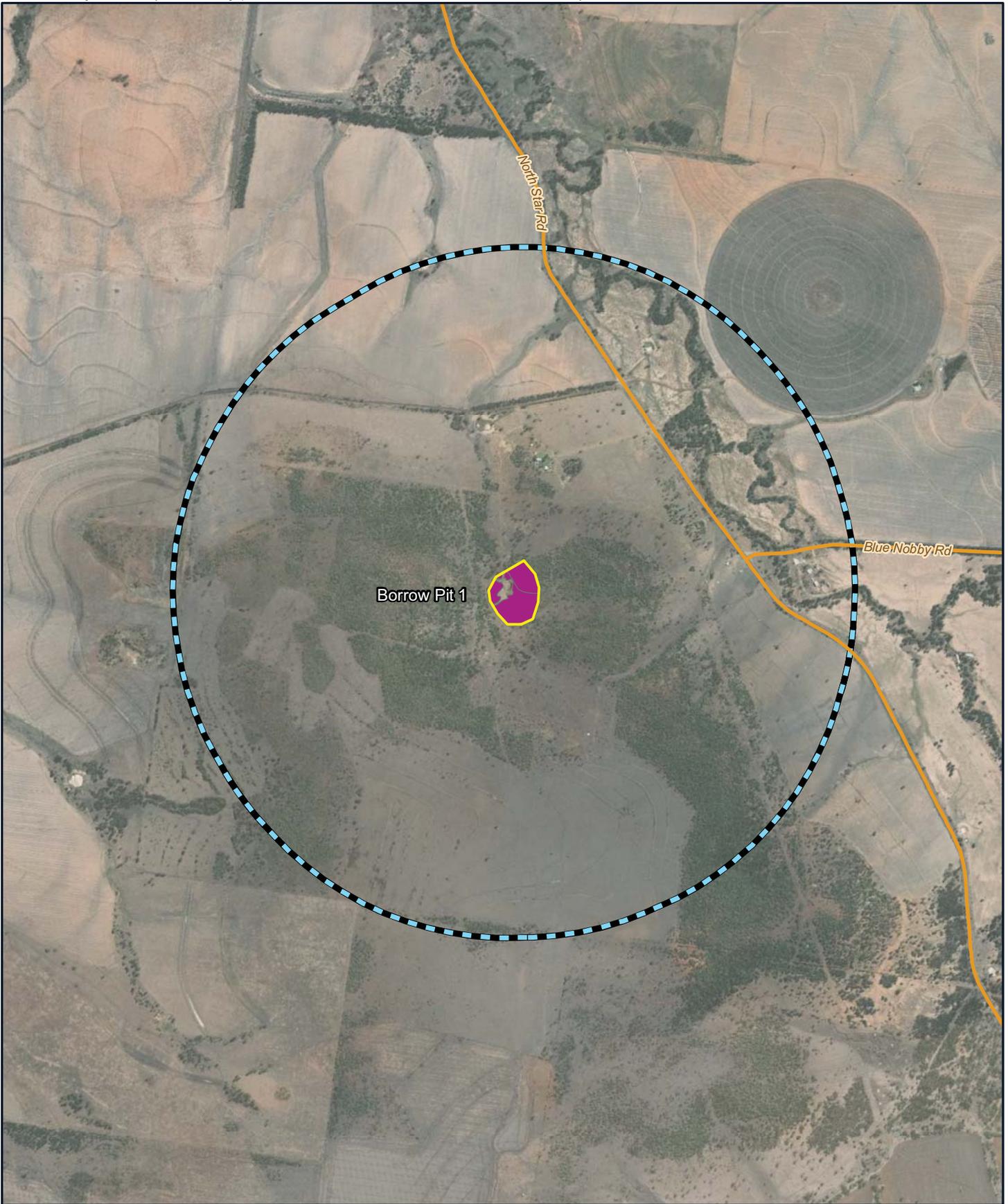
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Date: 09/07/2020 Version: 2
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border
Map A.5i: Threatened Ecological Communities
under BC and EPBC Acts

Map by: D:\HRB\IMF\IGN_Z\GIS\GIS_270_NS2BNTasks\270-EAP-2020\07011428_GIS_Terrestrial_biodiversity\270_EAP_2020\07011428_FF\IV_MapA.5_TECs_EPBC_v2.mxd Date: 9/07/2020 19:36



Legend

-  Major roads
-  Study area
-  Subject land

- BC Act and EPBC Act listed TECs**
-  Semi-evergreen vine thickets



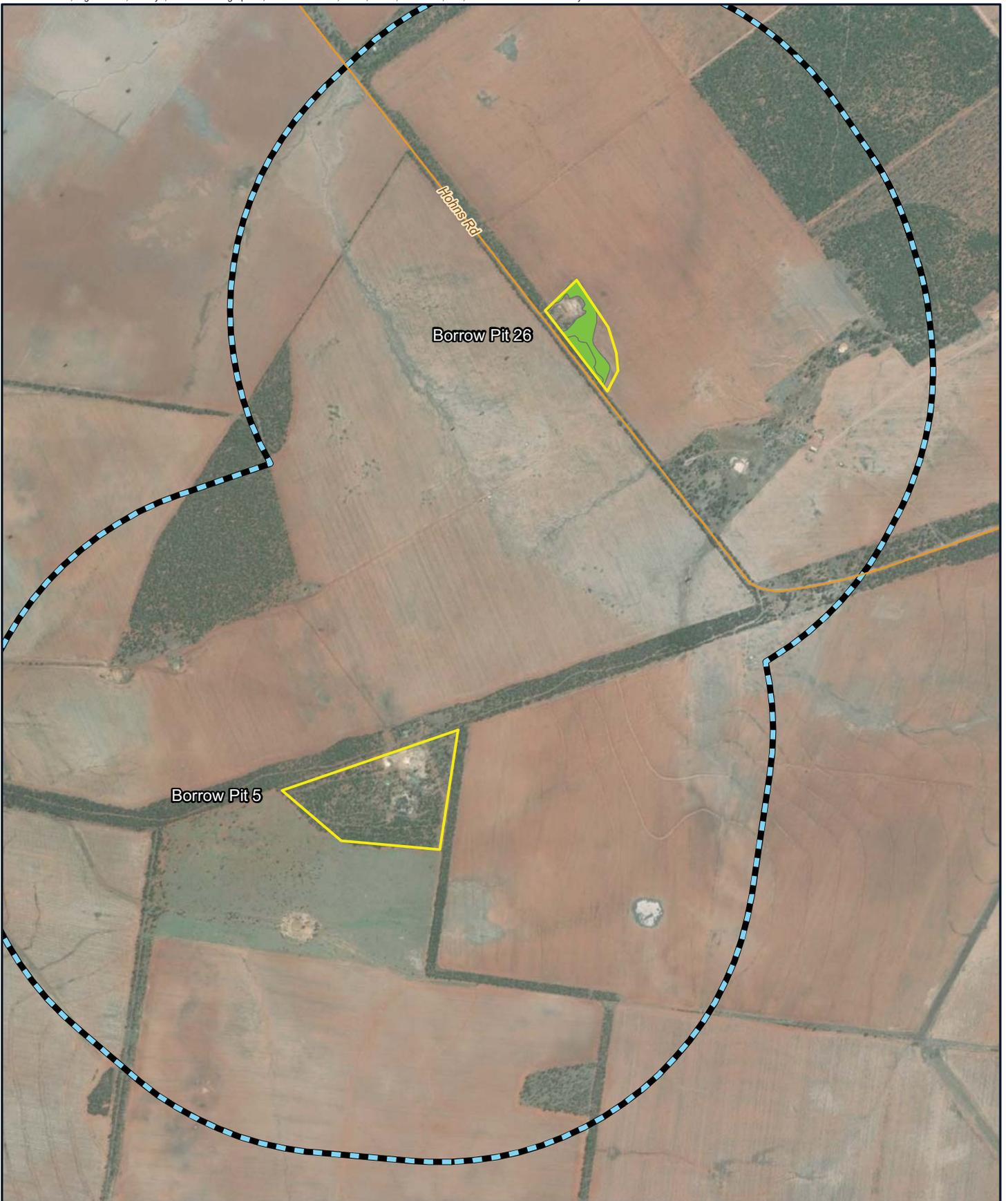
A4 scale: 1:25,000
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Date: 09/07/2020 Version: 2
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border
Map A.5j: Threatened Ecological Communities
under BC and EPBC Acts

Map by: D:\HRB\BIM\GIS\Z:\GIS\GIS: 270_NS2B\Tasks\270-EAP-2020\07\11428_GIS_Terrestrial_biodiversity\270_EAP_2020\07\11428_FF\IV_MapA.5_TECs_EPBC_v2.mxd Date: 9/07/2020 19:36



Legend

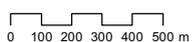
-  Minor roads
-  Study area
-  Subject land

BC Act and EPBC Act listed TECs

-  Brigalow (Acacia harpophylla dominant and co-dominant)



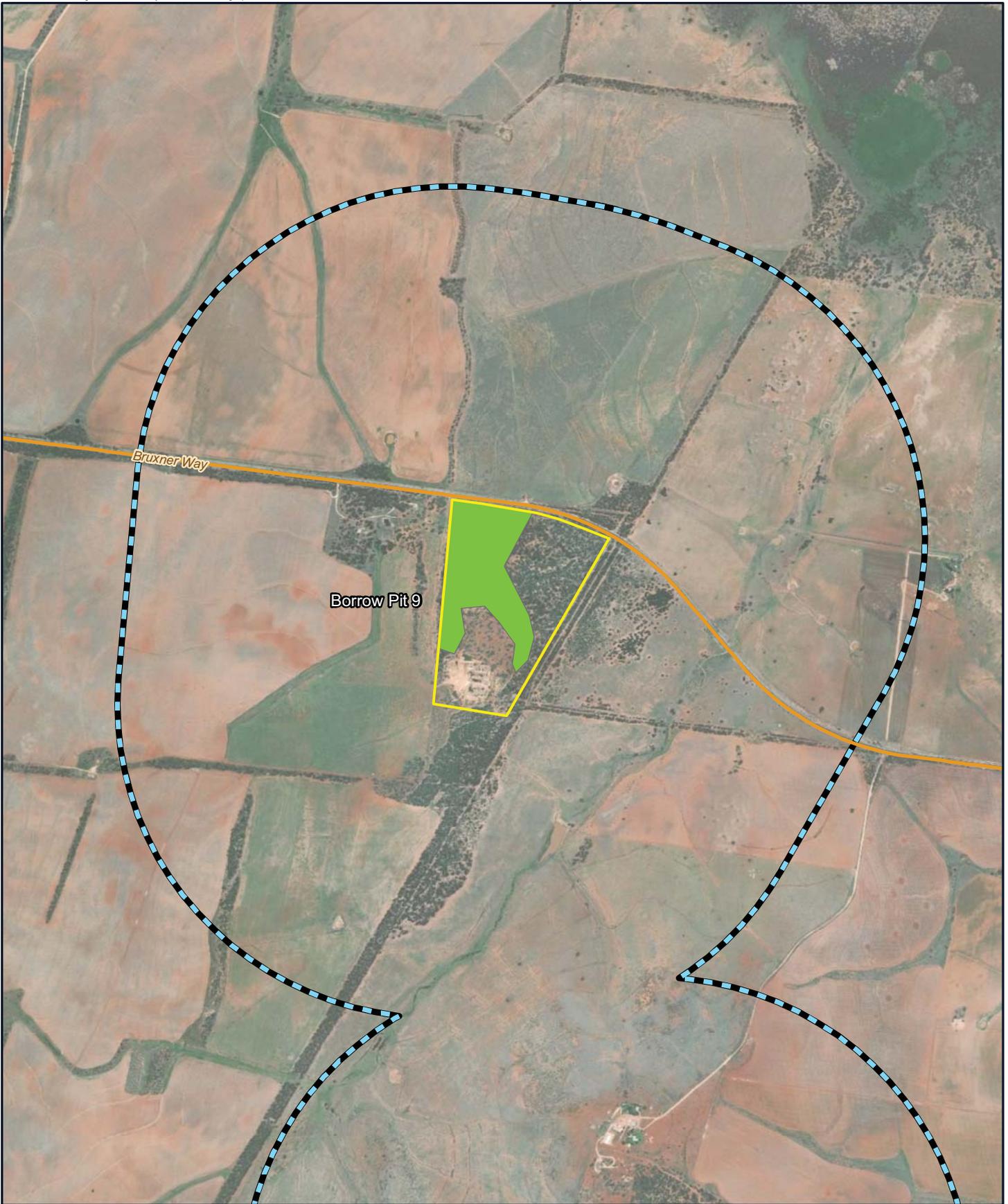
A4 scale: 1:25,000



Date: 09/07/2020 Version: 2
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border
Map A.5.k: Threatened Ecological Communities
under BC and EPBC Acts

Map by: D:\HRB\M\F\IGN_Z\GIS\GIS_270_NS2BNTasks\270-EAP-2020\07011428_GIS_Terrestrial_biodiversity\270_EAP_2020\07011428_FF\IV_MapA.5_TECs_EPBC_v2.mxd Date: 9/07/2020 19:36



Legend

-  Major roads
-  Study area
-  Subject land

BC Act and EPBC Act listed TECs

-  Brigalow (Acacia harpophylla dominant and co-dominant)



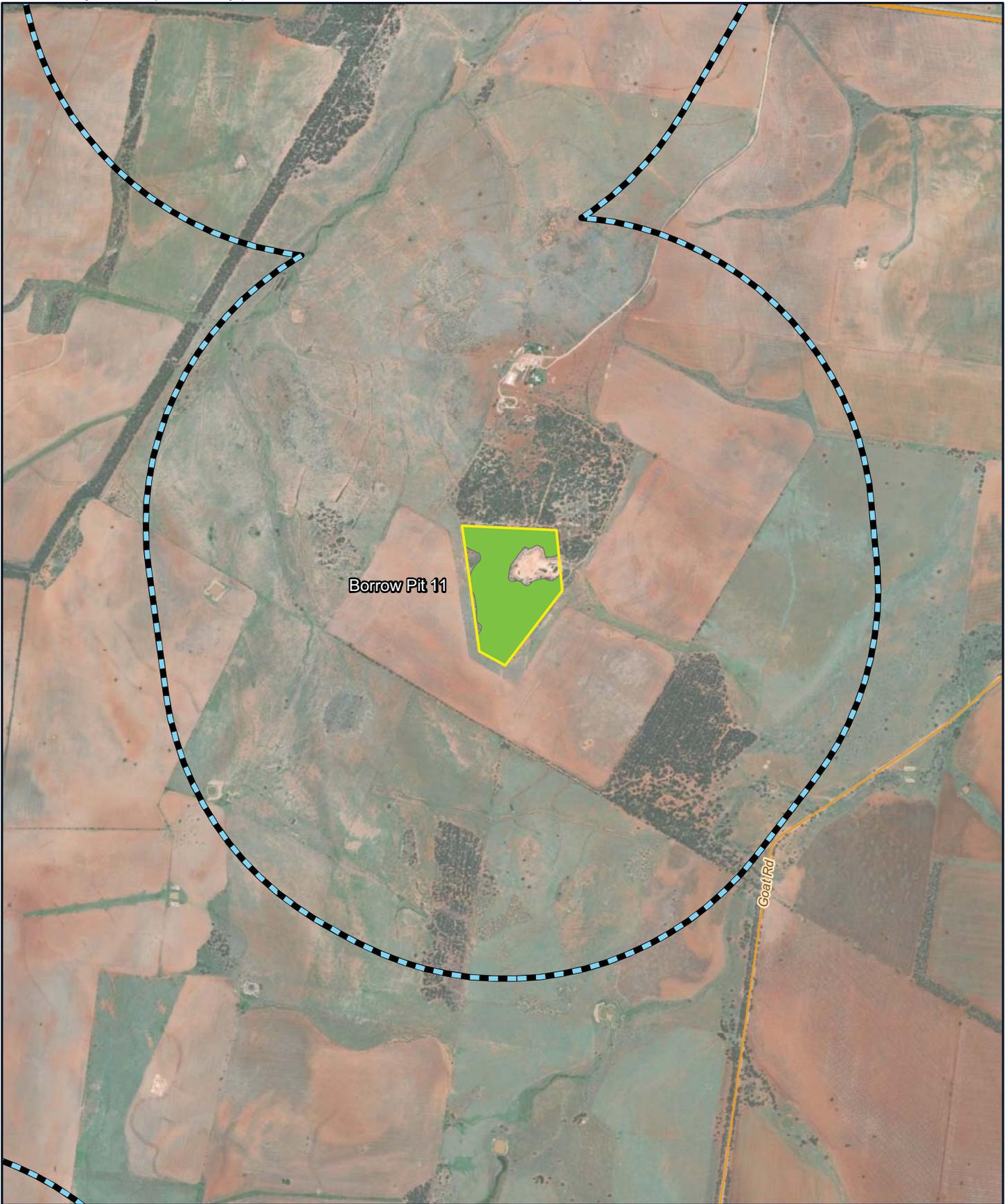
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 0 100 200 300 400 500 m



Date: 09/07/2020 Version: 2
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border
Map A.5I: Threatened Ecological Communities
under BC and EPBC Acts

Map by: D:\HRB\IMF\IGN_Z\GIS\GIS_270_NS2B\Tasks\270-EAP-2020\07011428_GIS_Terrestrial_biodiversity\270_EAP_2020\07011428_FF\IV_MapA.5_TECs_EPBC_v2.mxd Date: 9/07/2020 19:36



Legend

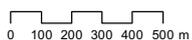
-  Major roads
-  Minor roads
-  Study area
-  Subject land

BC Act and EPBC Act listed TECs

-  Brigalow (Acacia harpophylla dominant and co-dominant)



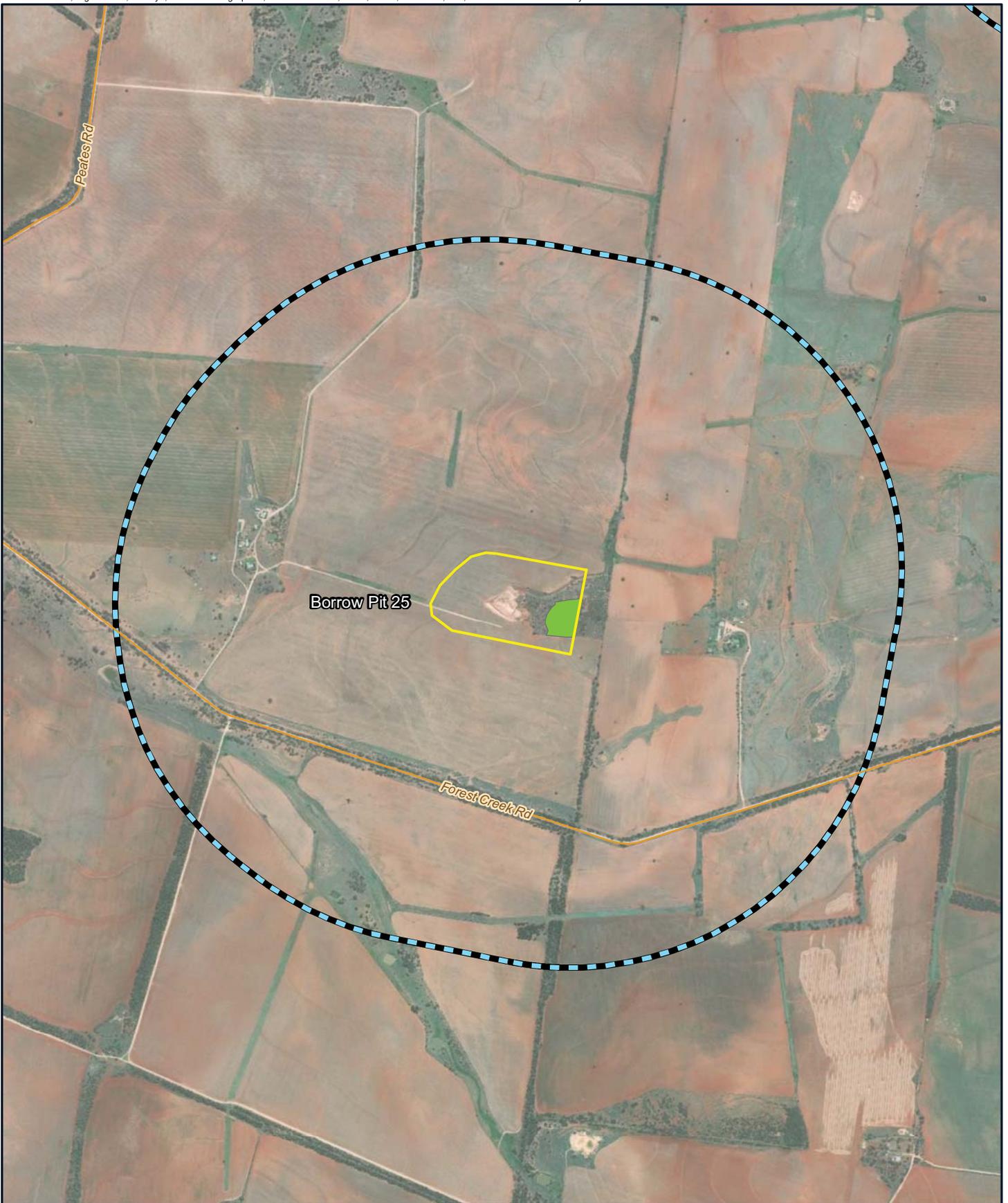
A4 scale: 1:25,000



Date: 09/07/2020 Version: 2
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border
Map A.5m: Threatened Ecological Communities
under BC and EPBC Acts

Map by: D:\HRB\IMF\IGN_Z\GIS\GIS_270_NS2BNTasks\270-EAP-2020\07011428_GIS_Terrestrial_biodiversity\270_EAP_2020\07011428_FF\IV_MapA.5_TECs_EPBC_v2.mxd Date: 9/07/2020 19:36



Legend

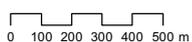
-  Minor roads
-  Study area
-  Subject land

BC Act and EPBC Act listed TECs

-  Brigalow (Acacia harpophylla dominant and co-dominant)



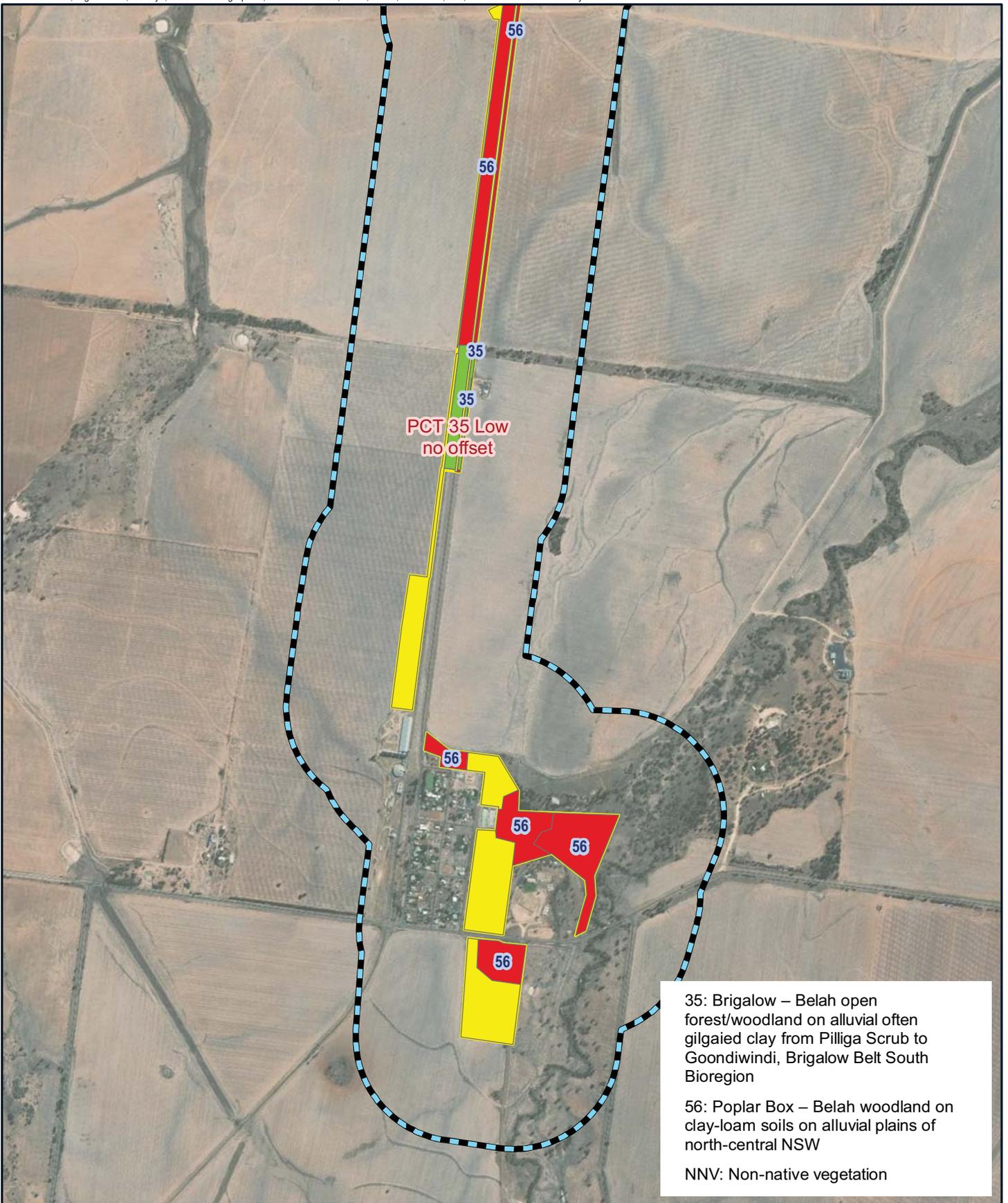
A4 scale: 1:25,000



Date: 09/07/2020 Version: 2
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border
Map A.5n: Threatened Ecological Communities
under BC and EPBC Acts

Map by: ADMIN\FIGN.Z\GIS\GIS: 270_NS2B\Tasks\270-EAP-2020\07\11428_GIS_Terrrestrial_biodiversity\270_EAP_2020\07\11428_FF\IV_MapA.6_impact_offset.mxd Date: 10/07/2020 09:40



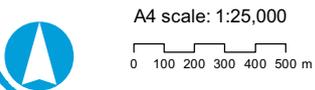
35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

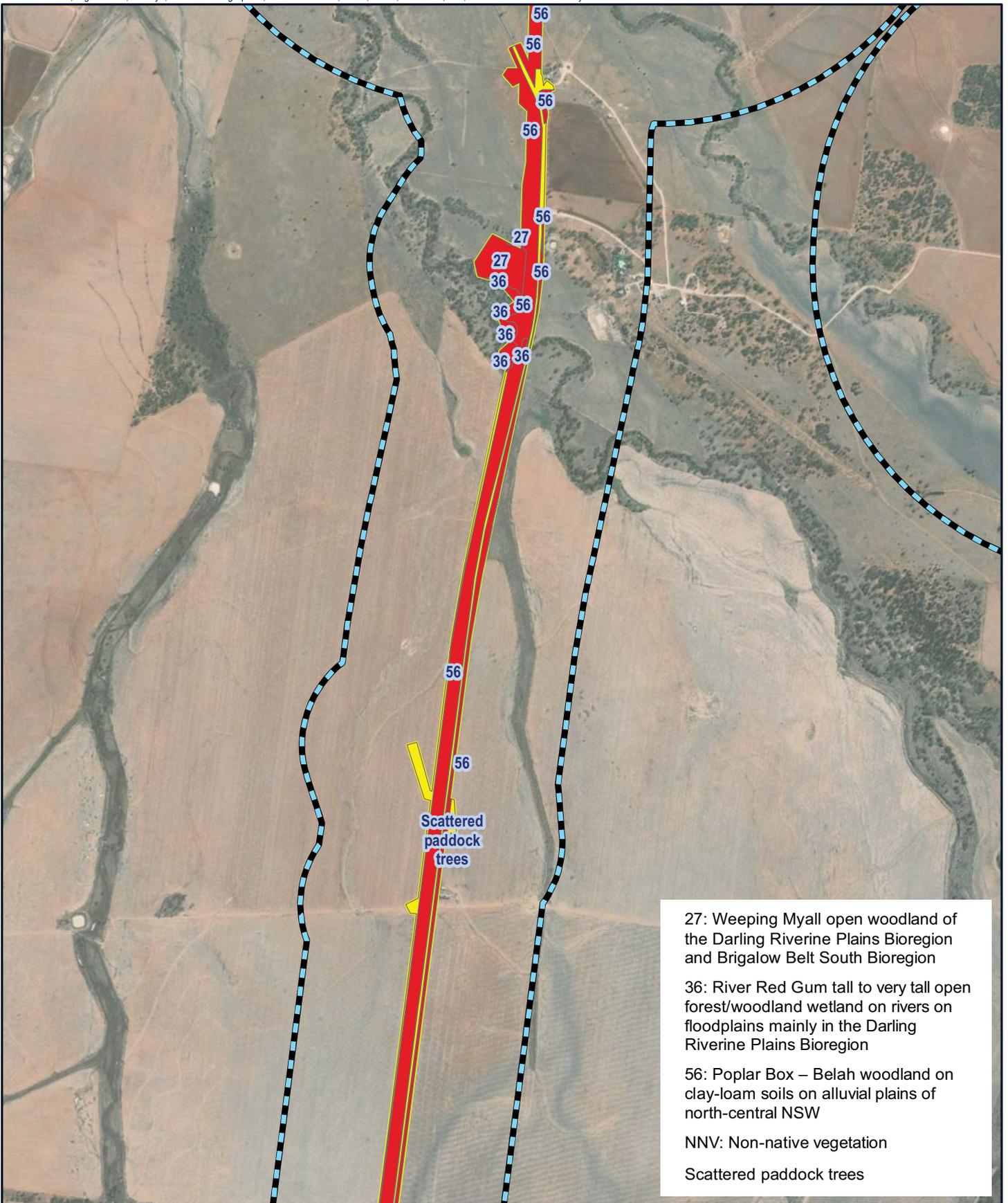
NNV: Non-native vegetation

Legend

- Impacts not requiring offset
- PCT 35 Low - not requiring offset
- Impacts requiring offset
- Subject land
- Study area



Map by: ADIM\FIGN_Z\GIS\GIS_270_NS2B\Tasks\270-EAP-2020\07\1428_GIS_Terrestrial_biodiversity\270_EAP_2020\07\1428_FF\IV_MapA.6_impact_offset.mxd Date: 10/07/2020 09:40

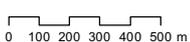


Legend

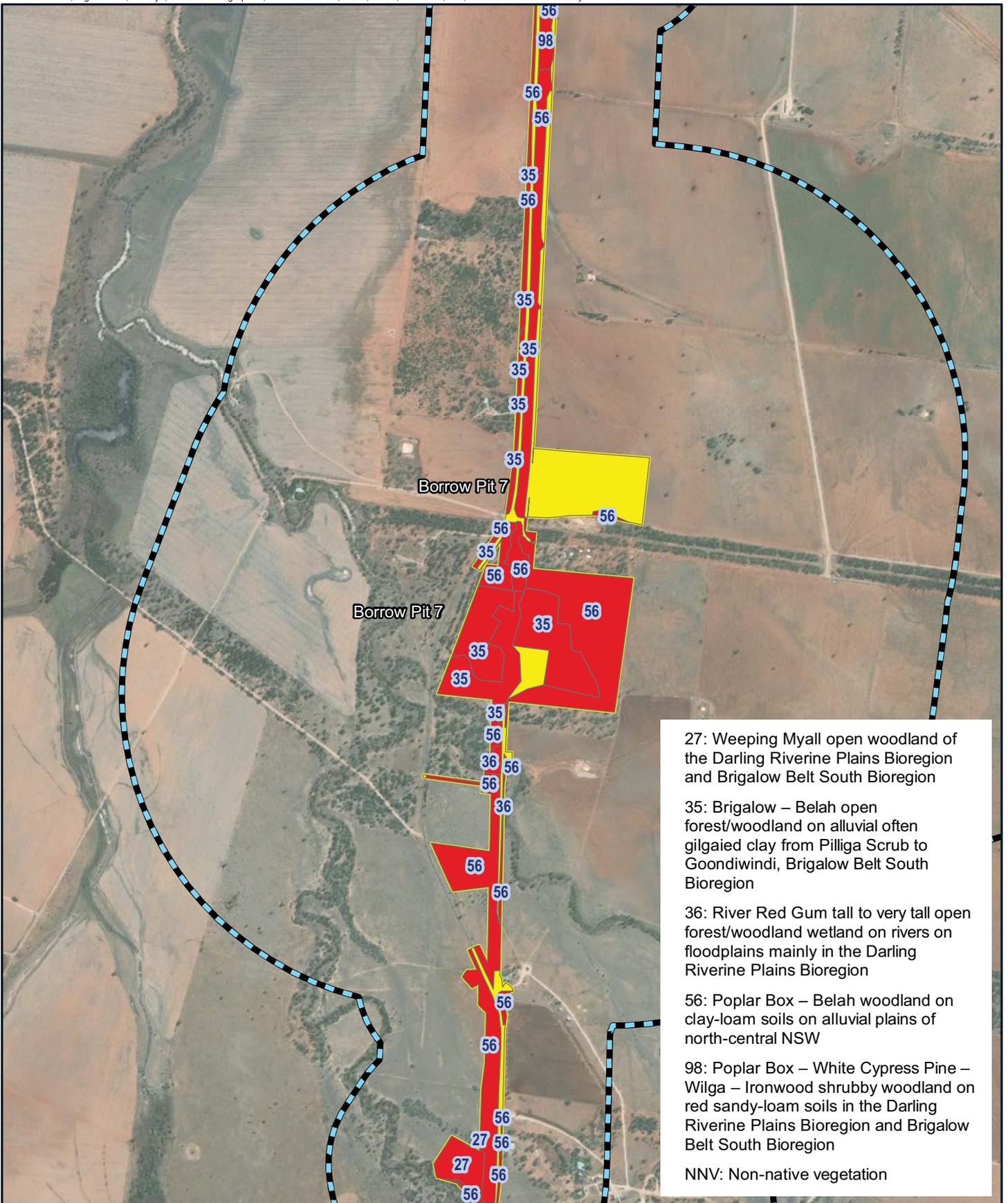
- Impacts not requiring offset
- Impacts requiring offset
- Subject land
- Study area



A4 scale: 1:25,000



Map by: ADMIN\FIGN Z:\GIS\GIS: 270_NS2B\Tasks\270-EAP-2020\07011428_GIS_Terrestrial_biodiversity\270_EAP_2020\07011428_FF\IV_MapA.6_impact_offset.mxd Date: 10/07/2020 09:40



27: Weeping Myall open woodland of the Darling Riverine Plains Bioregion and Brigalow Belt South Bioregion

35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

98: Poplar Box – White Cypress Pine – Wilga – Ironwood shrubby woodland on red sandy-loam soils in the Darling Riverine Plains Bioregion and Brigalow Belt South Bioregion

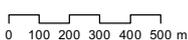
NNV: Non-native vegetation

Legend

- Impacts not requiring offset
- Impacts requiring offset
- Subject land
- Study area



A4 scale: 1:25,000



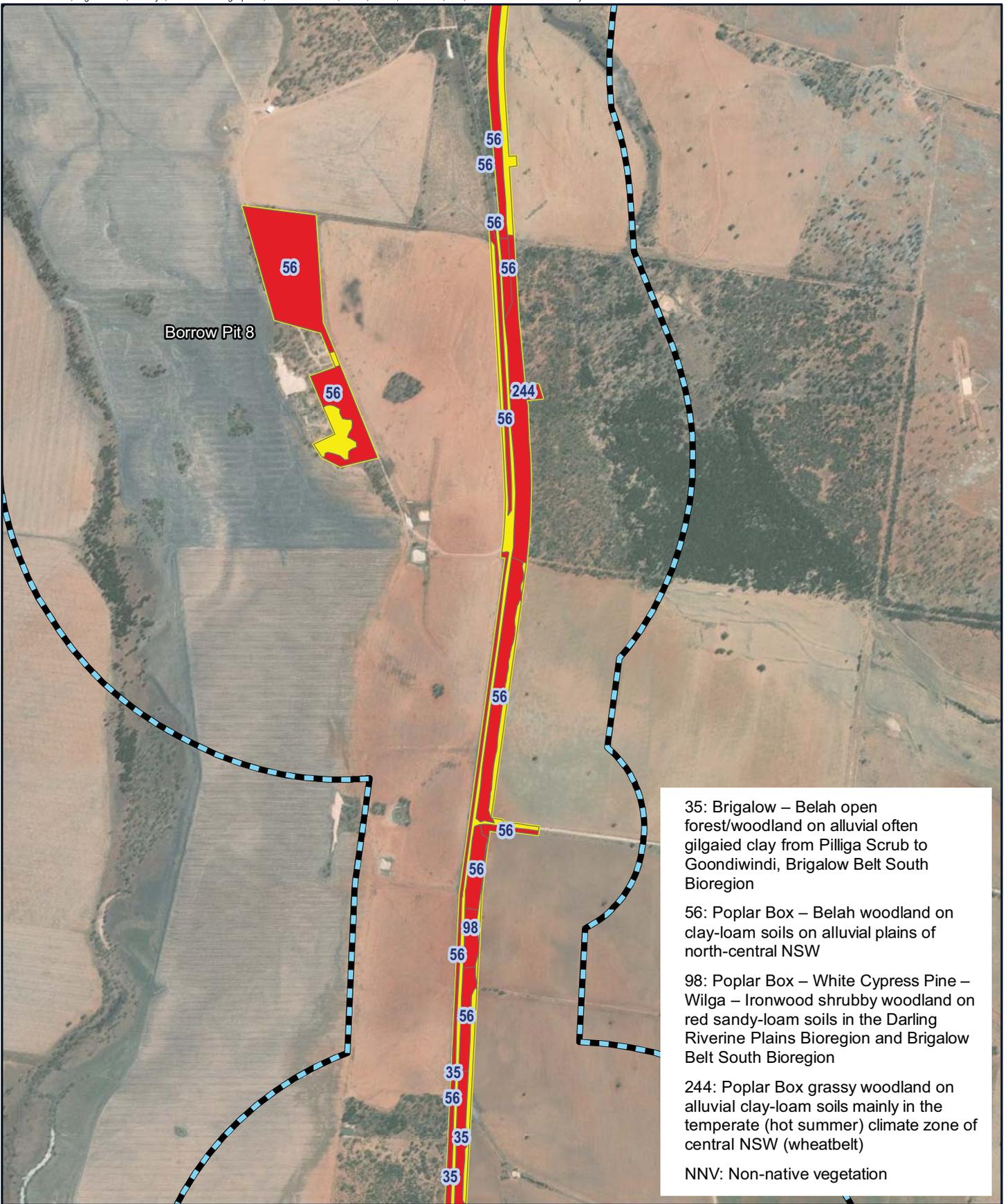
Date: 09/07/2020 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

**Map A.6c:
 Area of impacts requiring offset under BC Act**



Map by: ADMIN\FIGN_Z\GIS\GIS: 270_NS2B\Tasks\270-EAP-2020\07\11428_GIS_Terrestrial_biodiversity\270_EAP_2020\07\11428_FF\IV_MapA.6_impact_offset.mxd Date: 10/07/2020 09:40



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

98: Poplar Box – White Cypress Pine – Wilga – Ironwood shrubby woodland on red sandy-loam soils in the Darling Riverine Plains Bioregion and Brigalow Belt South Bioregion

244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)

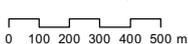
NNV: Non-native vegetation

Legend

- Impacts not requiring offset
- Impacts requiring offset
- Subject land
- Study area



A4 scale: 1:25,000



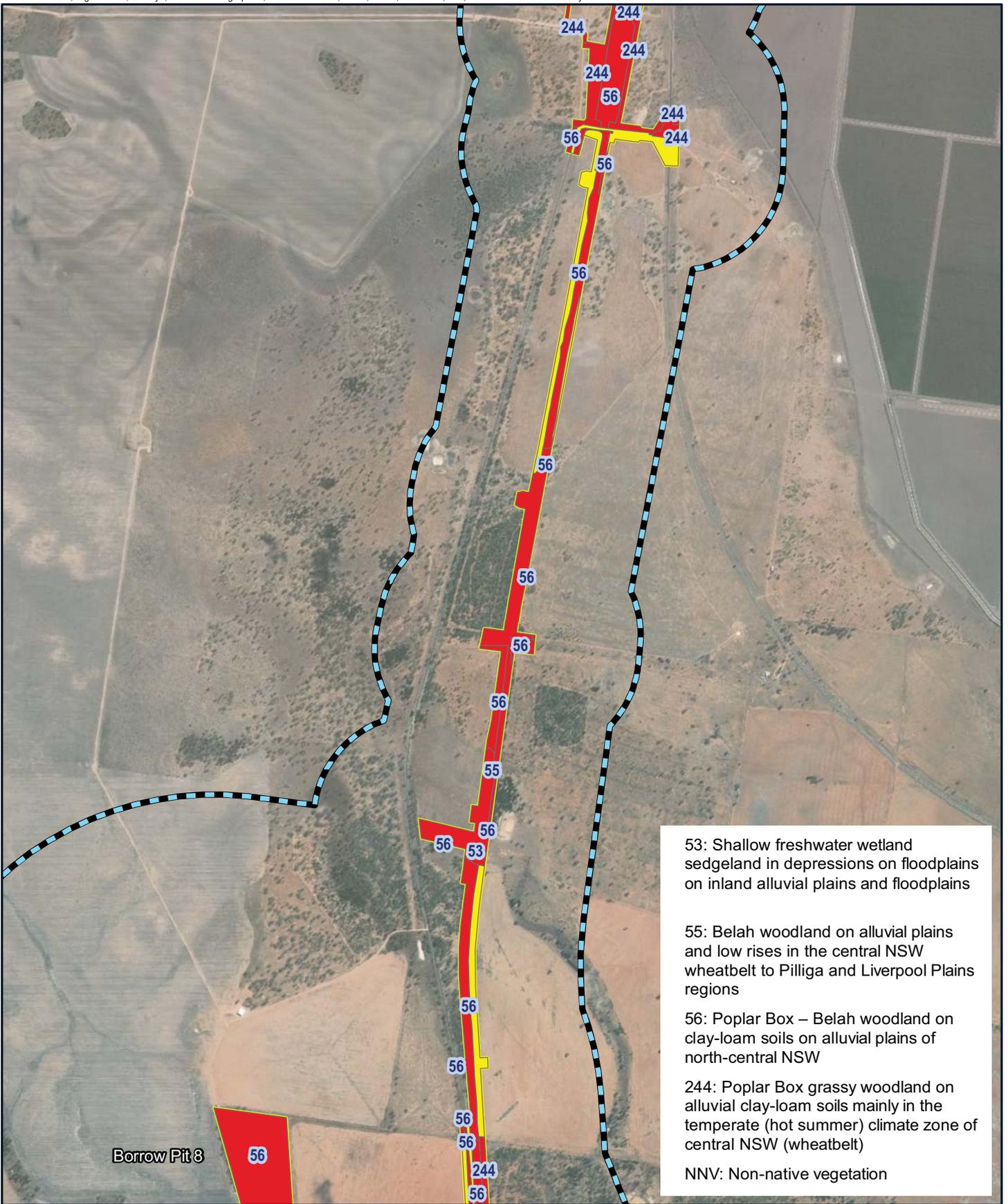
Date: 09/07/2020 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

**Map A.6d:
 Area of impacts requiring offset under BC Act**



Map by: ADMIN\FIGN.Z\GIS\GIS: 270_NS2B\Tasks\270-EAP-2020\07\011428_GIS_Terrrestrial_biodiversity\270_EAP_2020\07\011428_FF\IV_MapA.6_impact_offset.mxd Date: 10/07/2020 09:40



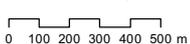
- 53: Shallow freshwater wetland sedgeland in depressions on floodplains on inland alluvial plains and floodplains
- 55: Belah woodland on alluvial plains and low rises in the central NSW wheatbelt to Pilliga and Liverpool Plains regions
- 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
- 244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
- NNV: Non-native vegetation

Legend

- Impacts not requiring offset
- Impacts requiring offset
- Subject land
- Study area



A4 scale: 1:25,000



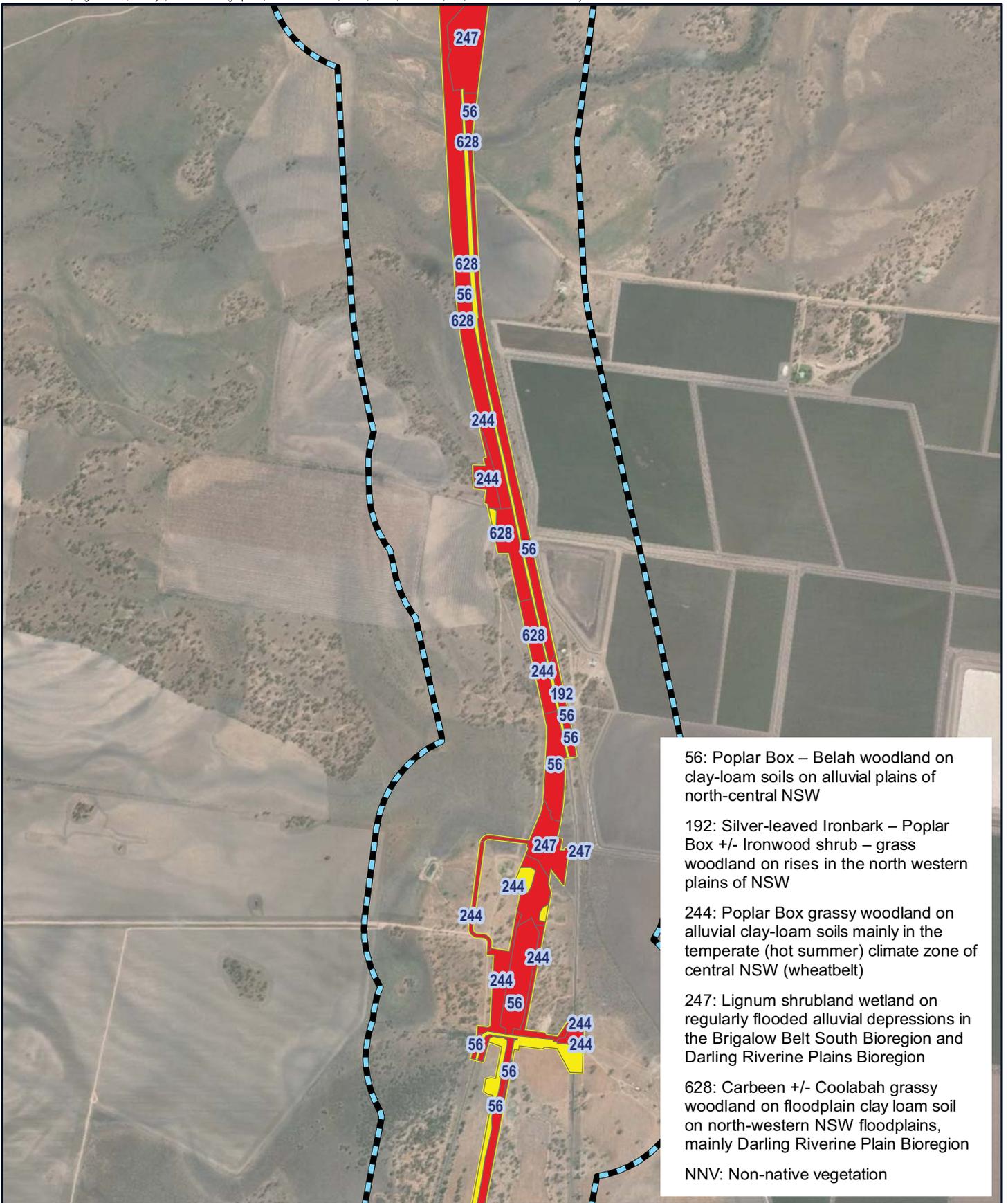
Date: 09/07/2020 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

**Map A.6e:
 Area of impacts requiring offset under BC Act**



Map by: ADMIN\FIGN.Z\GIS\GIS: 270_NS2B\Tasks\270-EAP-2020\07\11428_GIS_Terrestrial_biodiversity\270_EAP_2020\07\11428_FF\IV_MapA.6_impact_offset.mxd Date: 10/07/2020 09:40



56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW

244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)

247: Lignum shrubland wetland on regularly flooded alluvial depressions in the Brigalow Belt South Bioregion and Darling Riverine Plains Bioregion

628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion

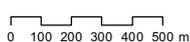
NNV: Non-native vegetation

Legend

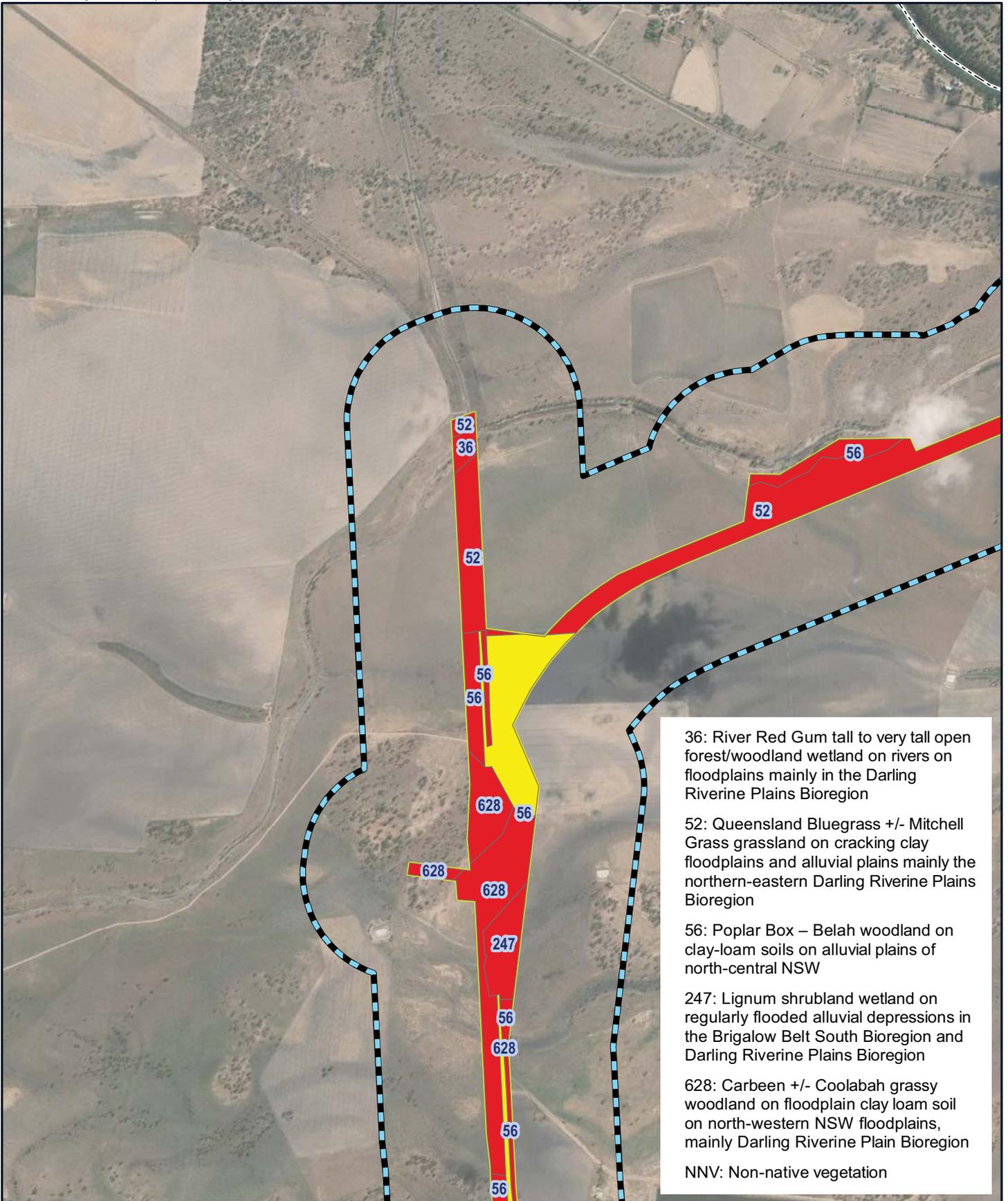
- Impacts not requiring offset
- Impacts requiring offset
- Subject land
- Study area



A4 scale: 1:25,000



Map by: ADIM\FIGN.Z\GIS\GIS: 270_NS2B\Tasks\270-EAP-2020\07\11428_GIS_Terrestrial_biodiversity\270_EAP_2020\07\11428_FF\IV_MapA.6_impact_offset.mxd Date: 10/07/2020 09:40



36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion

52: Queensland Bluegrass +/- Mitchell Grass grassland on cracking clay floodplains and alluvial plains mainly the northern-eastern Darling Riverine Plains Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

247: Lignum shrubland wetland on regularly flooded alluvial depressions in the Brigalow Belt South Bioregion and Darling Riverine Plains Bioregion

628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion

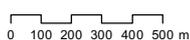
NNV: Non-native vegetation

Legend

- NSW/QLD border
- Impacts not requiring offset
- Impacts requiring offset
- Subject land
- ▣ Study area



A4 scale: 1:25,000

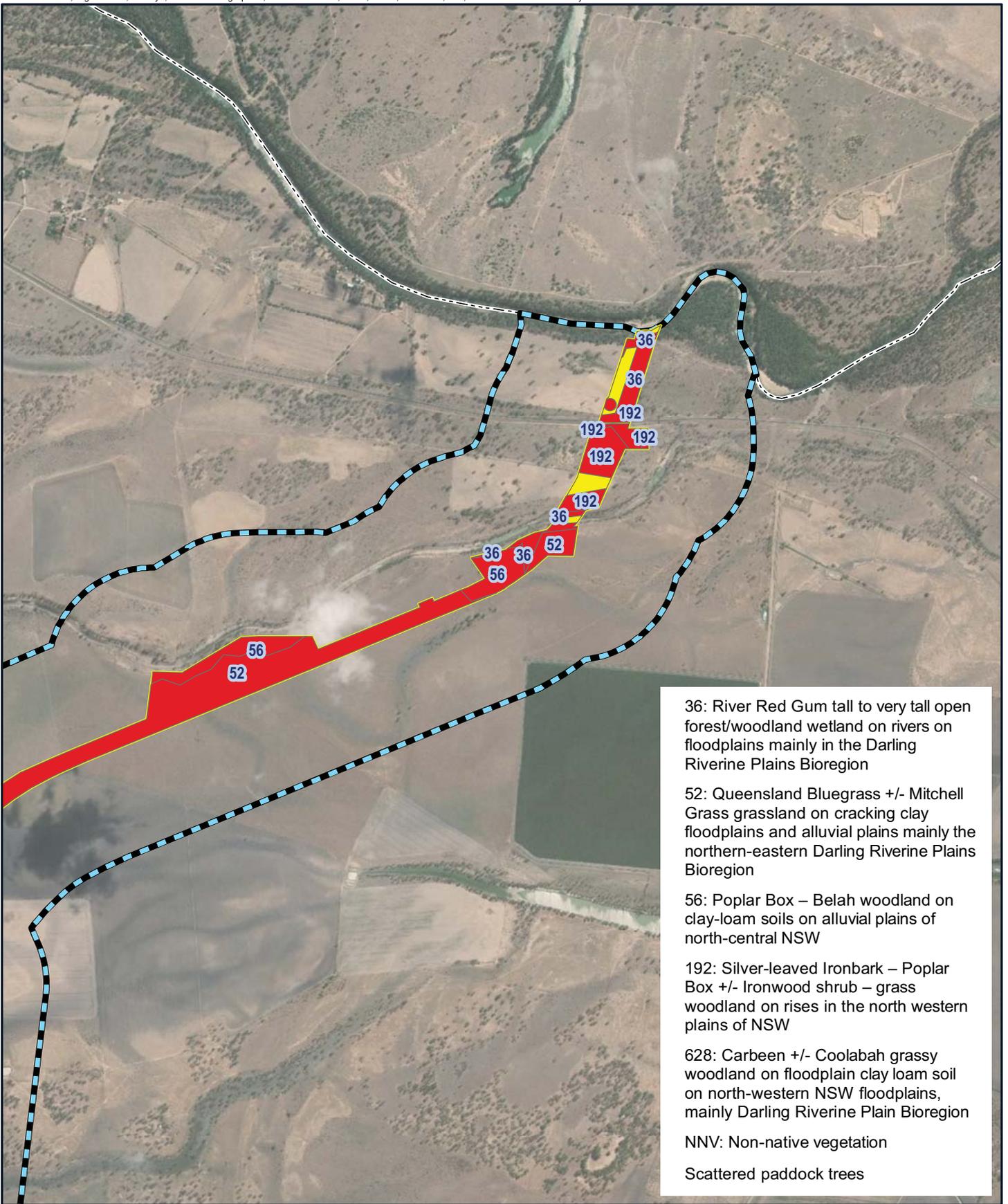


Date: 09/07/2020 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

**Map A.6g:
 Area of impacts requiring offset under BC Act**

Map by: ADIM\FIGN_Z\GIS\GIS: 270_NS2B\Tasks\270-EAP-2020\07\1428_GIS_Terrrestrial_biodiversity\270_EAP_2020\07\1428_FF\IV_MapA.6_impact_offset.mxd Date: 10/07/2020 09:40



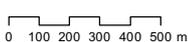
- 36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion
- 52: Queensland Bluegrass +/- Mitchell Grass grassland on cracking clay floodplains and alluvial plains mainly the northern-eastern Darling Riverine Plains Bioregion
- 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
- 192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW
- 628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion
- NNV: Non-native vegetation
- Scattered paddock trees

Legend

- NSW/QLD border
- Impacts not requiring offset
- Impacts requiring offset
- Subject land
- ▣ Study area



A4 scale: 1:25,000

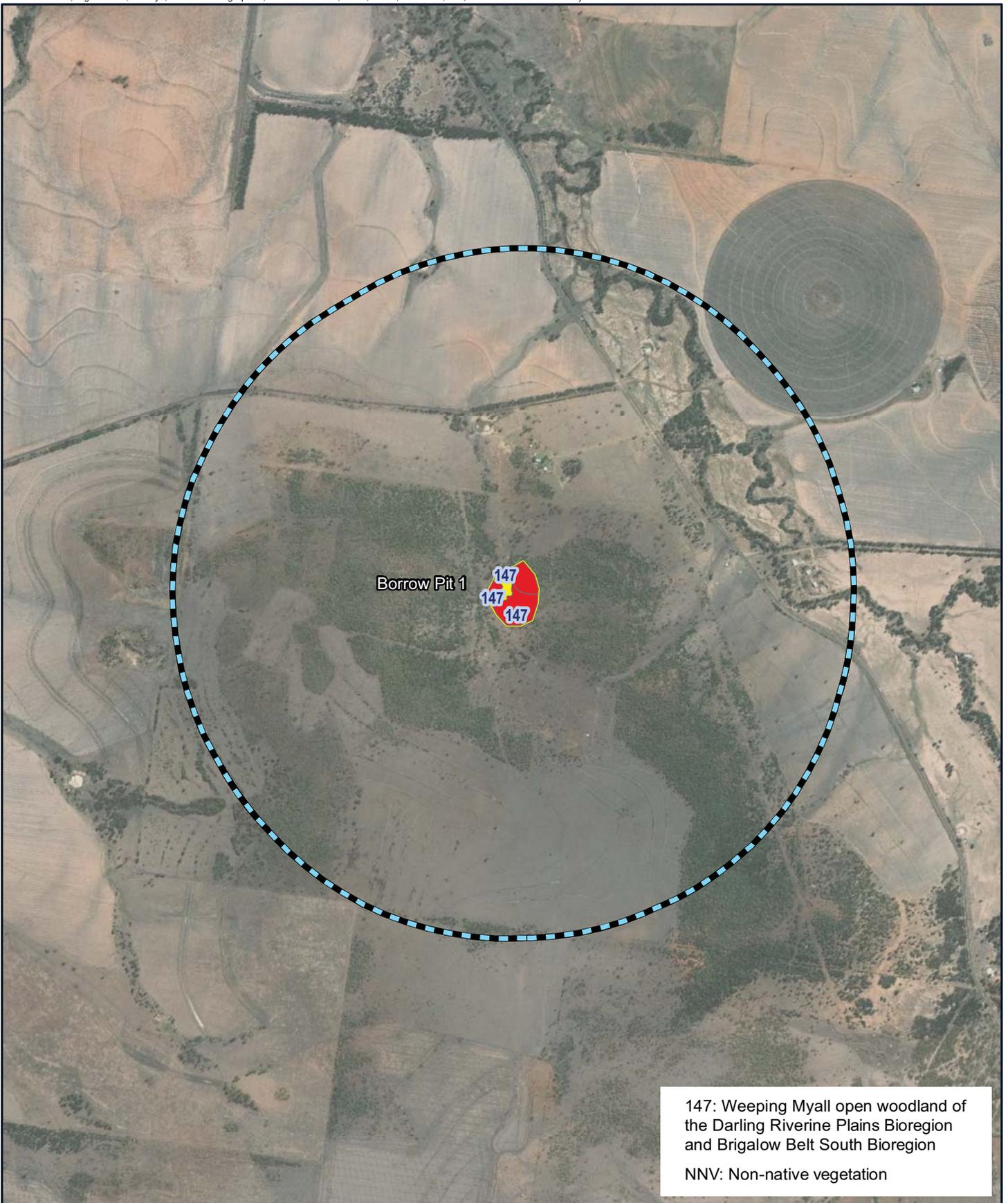


Date: 09/07/2020 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

**Map A.6h:
 Area of impacts requiring offset under BC Act**

Map by: ADMIN\FIGN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-2020\07\11428_GIS_Terrestrial_biodiversity\270_EAP_2020\07\11428_FF\IV_MapA.6_impact_offset.mxd Date: 10/07/2020 09:40



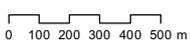
147: Weeping Myall open woodland of the Darling Riverine Plains Bioregion and Brigalow Belt South Bioregion
 NNV: Non-native vegetation

Legend

-  Impacts not requiring offset
-  Impacts requiring offset
-  Subject land
-  Study area



A4 scale: 1:25,000

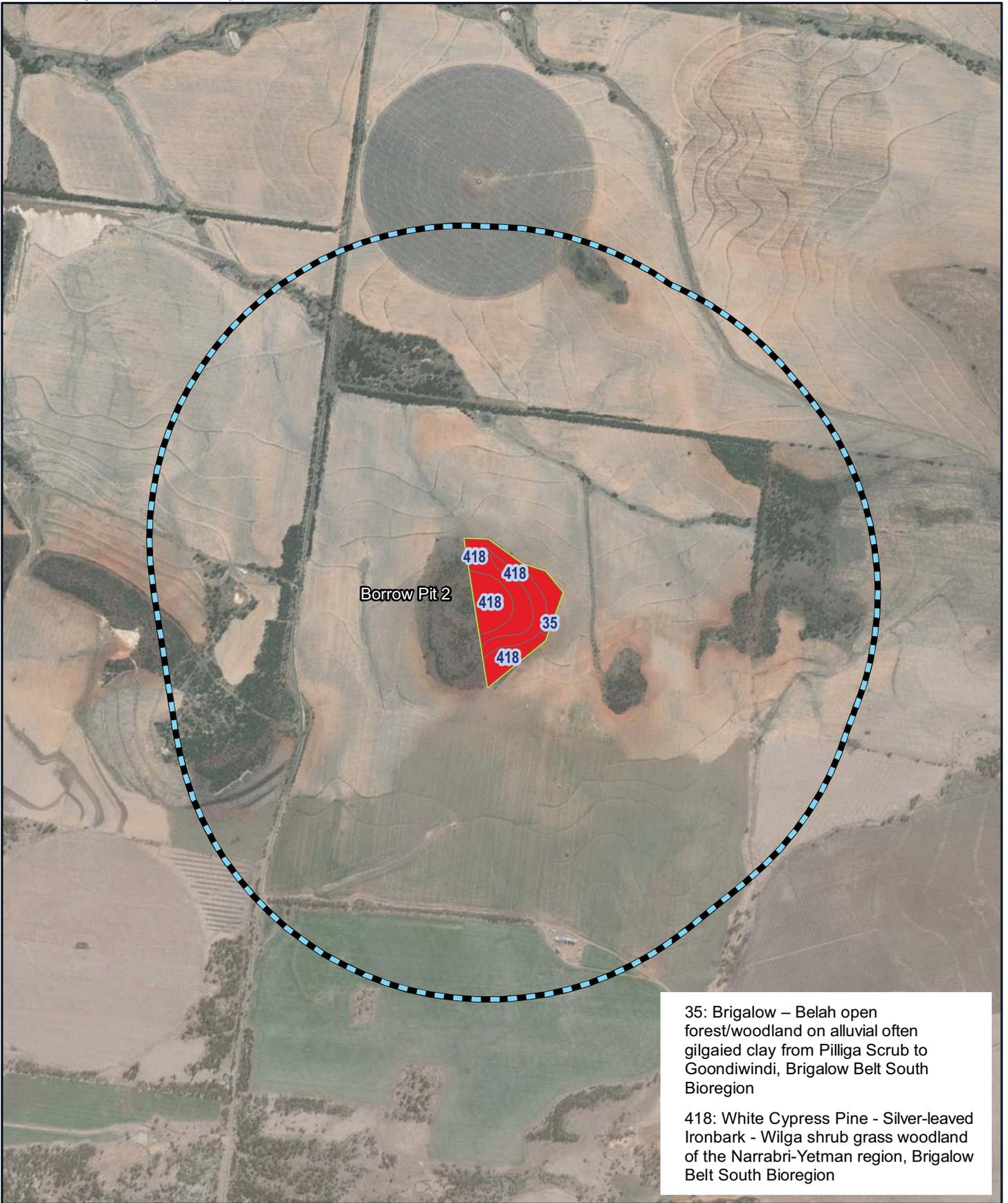


Date: 09/07/2020 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

**Map A.6i:
 Area of impacts requiring offset under BC Act**

Map by: ADMIN\FIGN.Z\GIS\GIS_270_NS2B\Tasks\270-EAP-2020\07\1428_GIS_Terrestrial_biodiversity\270_EAP_2020\07\1428_FF\IV_MapA.6_impact_offset.mxd Date: 10/07/2020 09:40



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

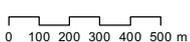
418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

Legend

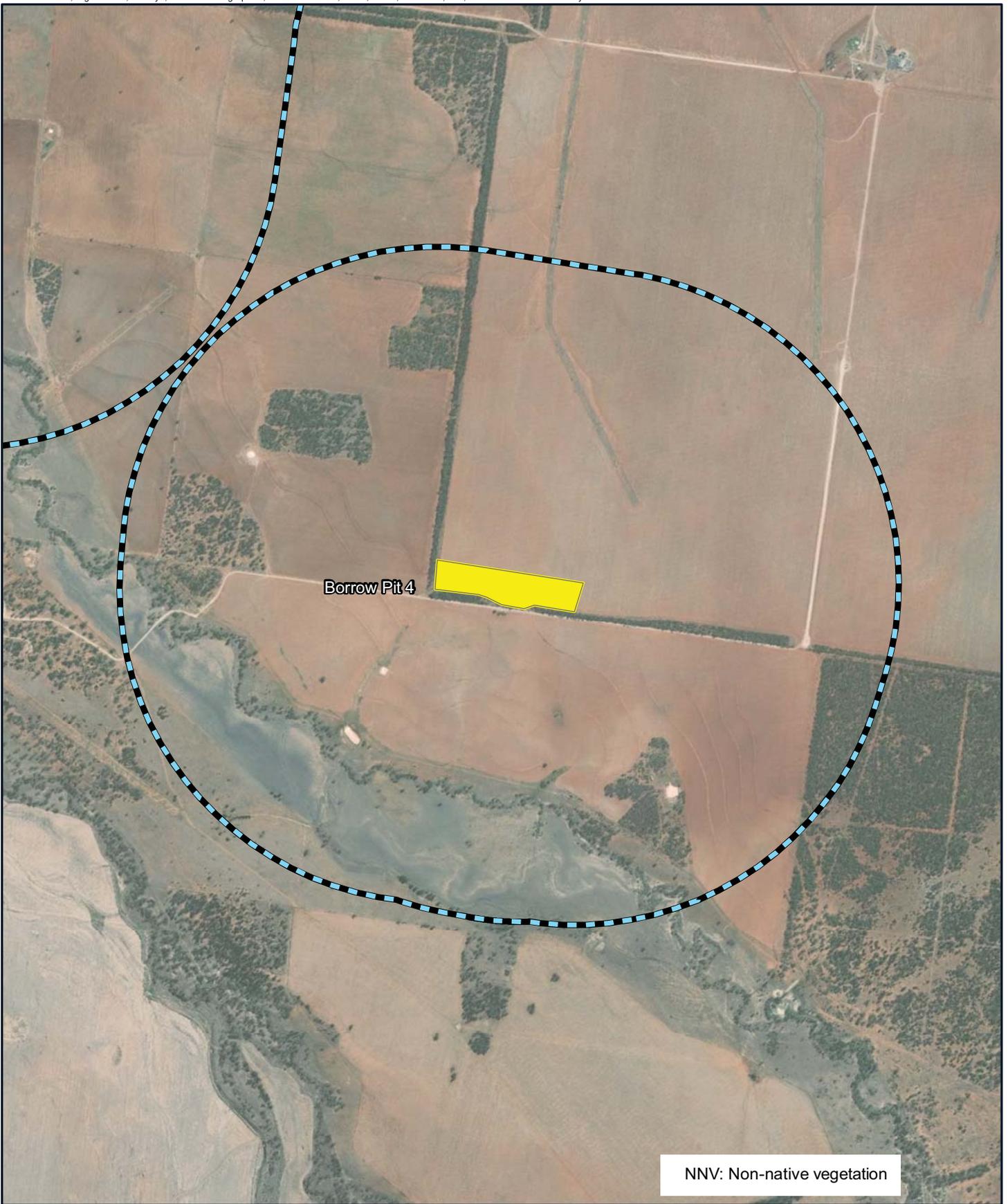
- Impacts requiring offset
- Subject land
- Study area



A4 scale: 1:25,000



Map by: ADMIN\FIGN_Z\GIS\GIS_270_NS2B\Tasks\270-EAP-2020\07\1428_GIS_Tenresitital_biodiversity\270_EAP_2020\07\1428_FF\IV_MapA.6_impact_offset.mxd Date: 10/07/2020 09:40

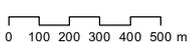


Legend

-  Impacts not requiring offset
-  Subject land
-  Study area



A4 scale: 1:25,000

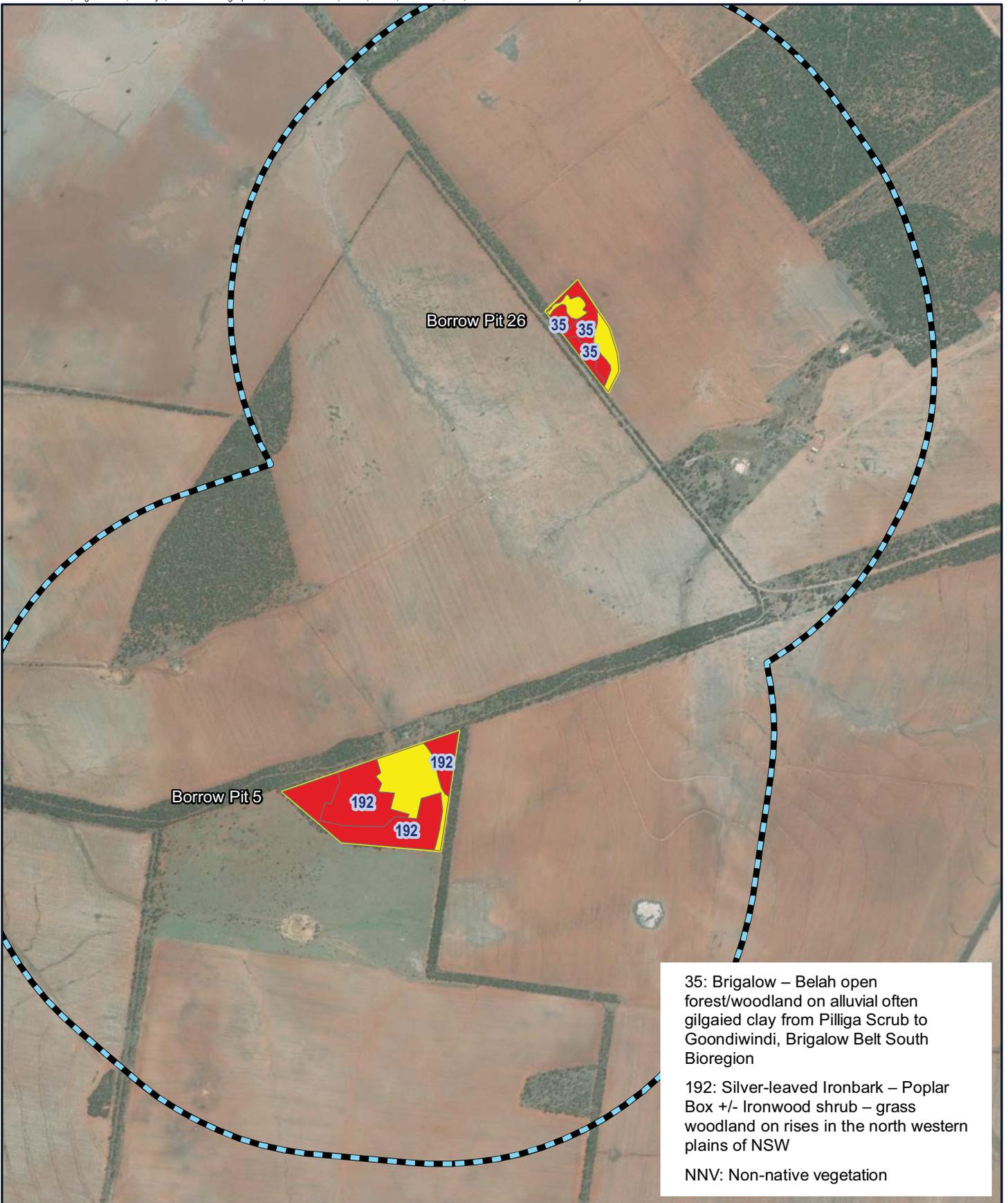


Date: 09/07/2020 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

Map A.6k:
Area of impacts requiring offset under BC Act

Map by: ADMIN\FIGN.Z\GIS\GIS: 270_NS2B\Tasks\270-EAP-2020\07\1428_GIS_Terrestrial_biodiversity\270-EAP-2020\07\1428_FF\IV_MapA.6_impact_offset.mxd Date: 10/07/2020 09:40



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW

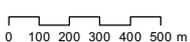
NNV: Non-native vegetation

Legend

- Impacts not requiring offset
- Impacts requiring offset
- Subject land
- Study area



A4 scale: 1:25,000



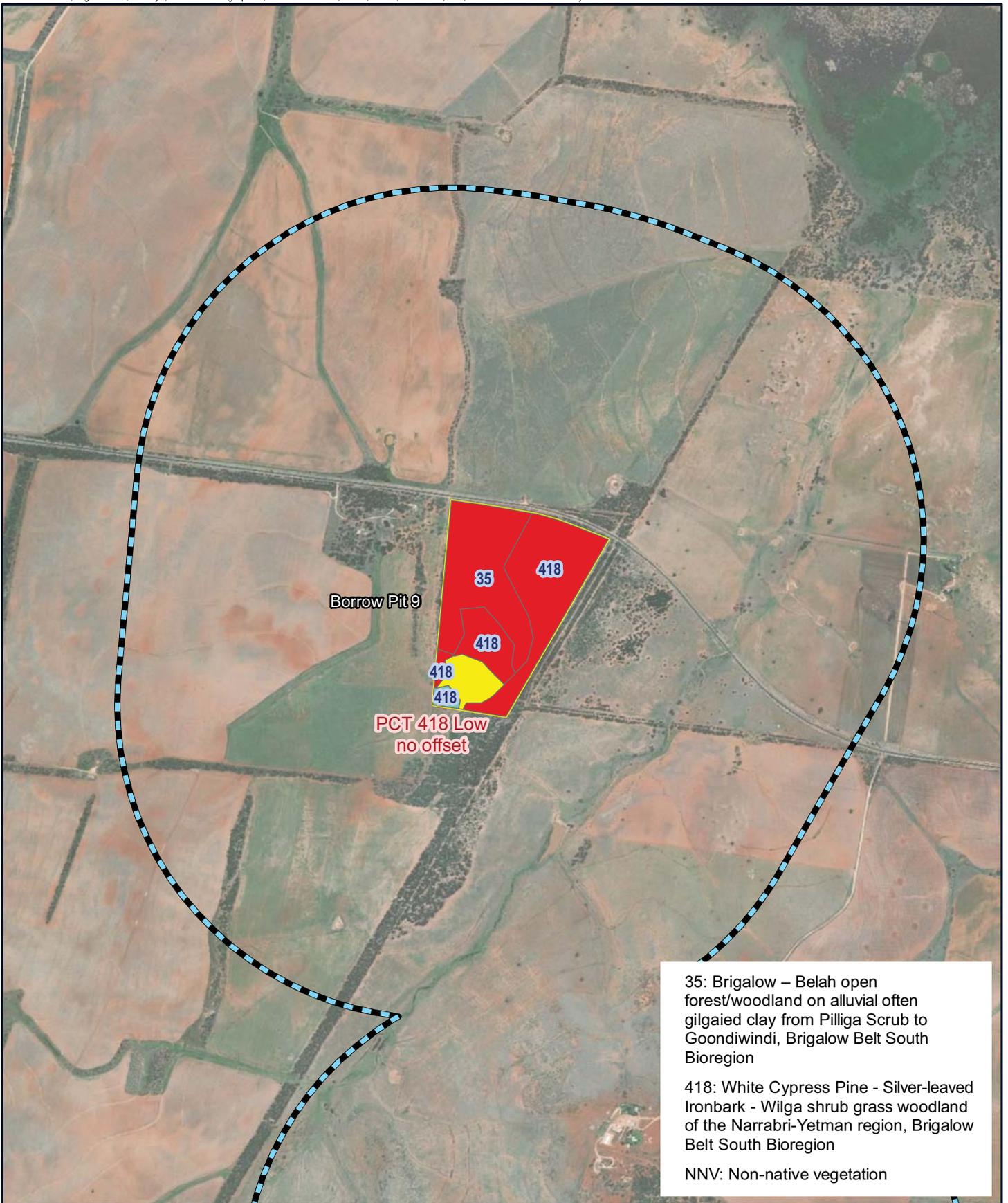
Date: 09/07/2020 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

**Map A.6I:
 Area of impacts requiring offset under BC Act**



Map by: ADIM\FIGN.Z\GIS\GIS_270_NS2B\Tasks\270-EAP-2020\07\1428_GIS_Terrestrial_biodiversity\270-EAP-2020\07\1428_FF\IV_MapA.6_impact_offset.mxd Date: 10/07/2020 09:40



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

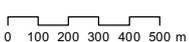
NNV: Non-native vegetation

Legend

- Impacts not requiring offset
- PCT 418 Low - not requiring offset
- Impacts requiring offset
- Subject land
- Study area



A4 scale: 1:25,000

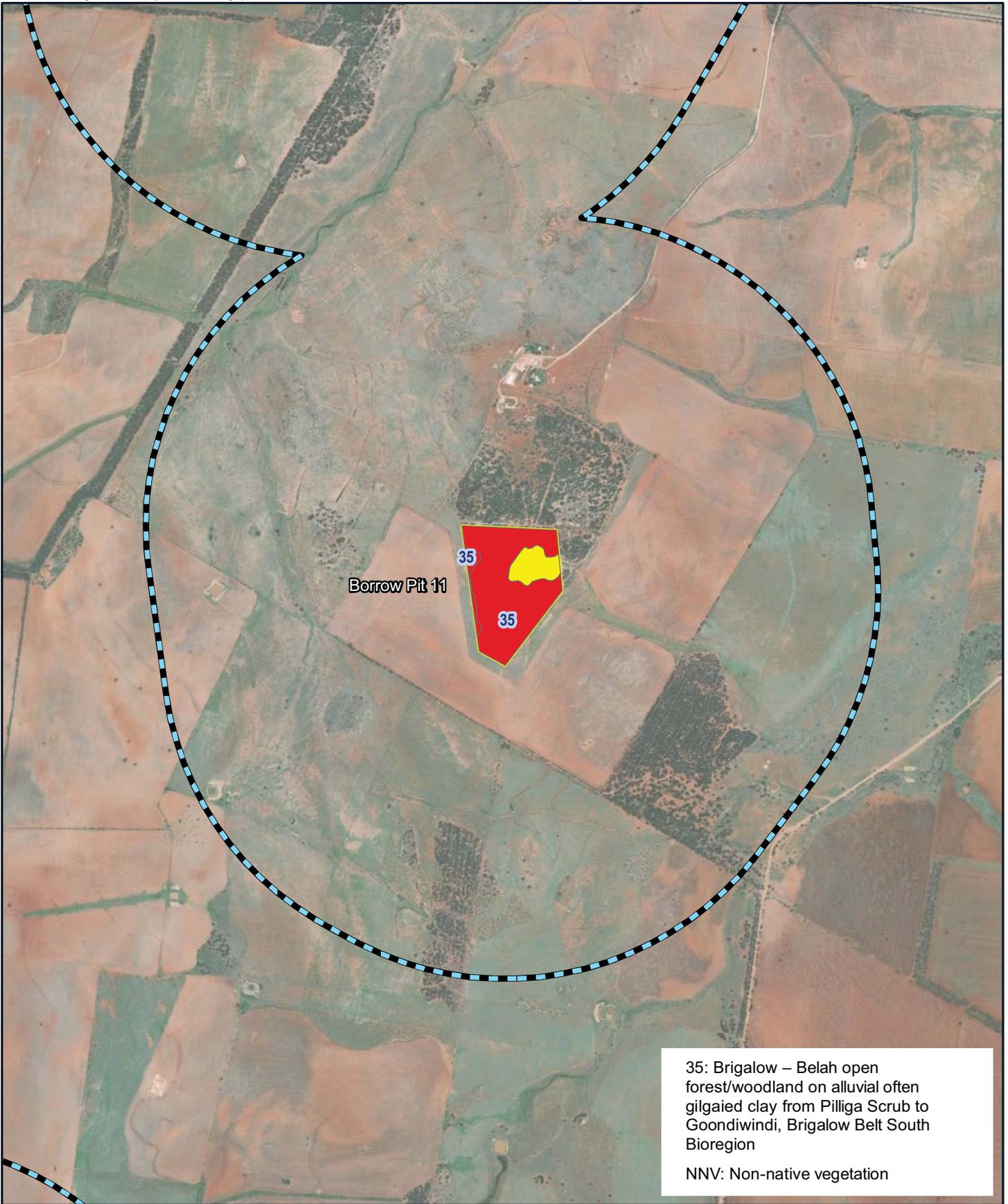


Date: 09/07/2020 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

**Map A.6m:
 Area of impacts requiring offset under BC Act**

Map by: ADMIN\FIGN.Z\GIS\GIS: 270_NS2B\Tasks\270-EAP-2020\07\11428_GIS_Terrestrial_biodiversity\270_EAP_2020\07\11428_FF\IV_MapA.6_impact_offset.mxd Date: 10/07/2020 09:40



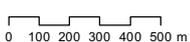
35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
 NNV: Non-native vegetation

Legend

- Impacts not requiring offset
- Impacts requiring offset
- Subject land
- Study area



A4 scale: 1:25,000

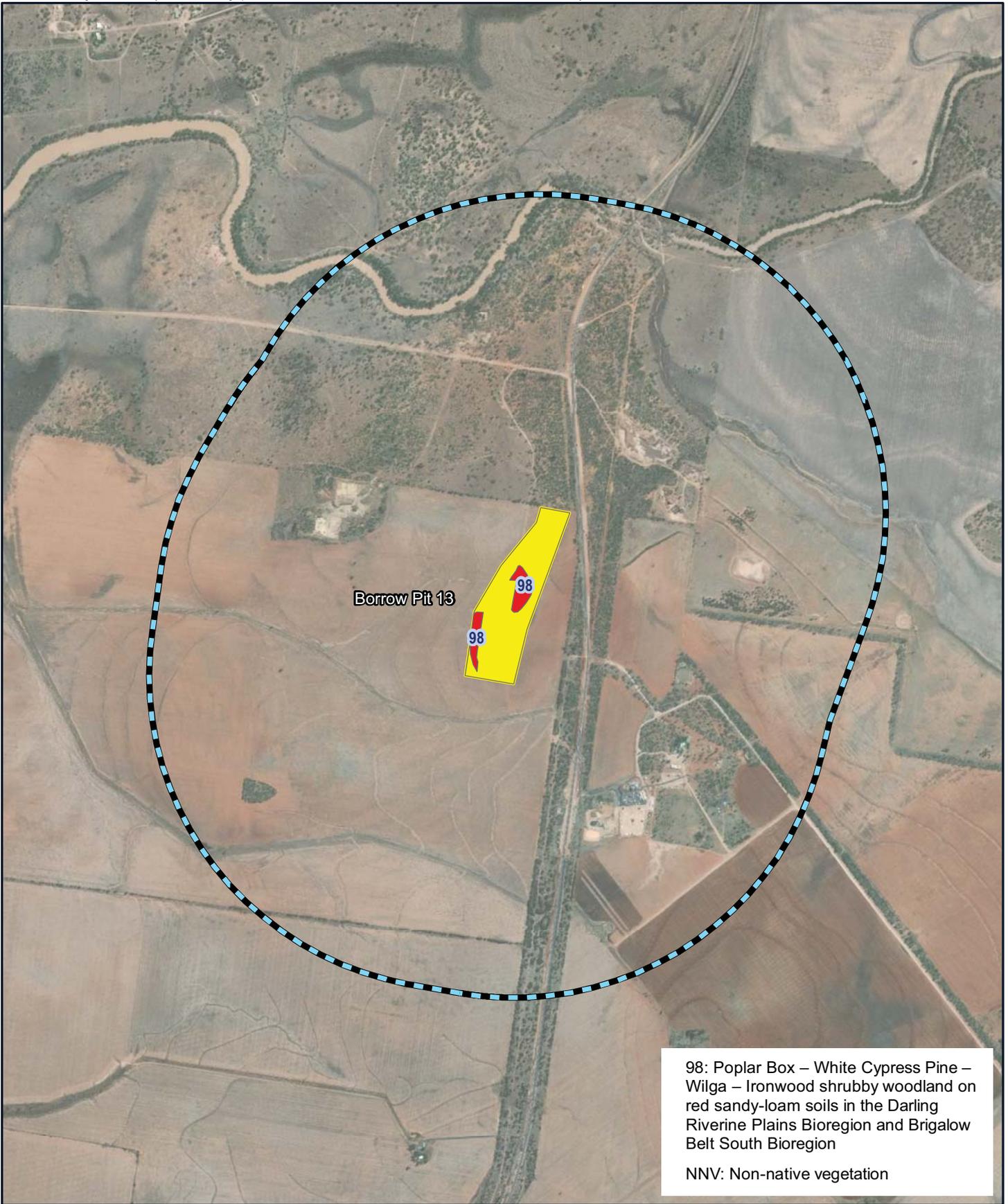


Date: 09/07/2020 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

**Map A.6n:
 Area of impacts requiring offset under BC Act**

Map by: ADIM\FIGN_Z\GIS\GIS_270_NS2B\Tasks\270-EAP-2020\07\1428_GIS_Terrestrial_biodiversity\270_EAP_2020\07\1428_FF\IV_MapA.6_impact_offset.mxd Date: 10/07/2020 09:40



98: Poplar Box – White Cypress Pine – Wilga – Ironwood shrubby woodland on red sandy-loam soils in the Darling Riverine Plains Bioregion and Brigalow Belt South Bioregion

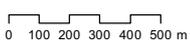
NNV: Non-native vegetation

Legend

- Impacts not requiring offset
- Impacts requiring offset
- Subject land
- Study area



A4 scale: 1:25,000

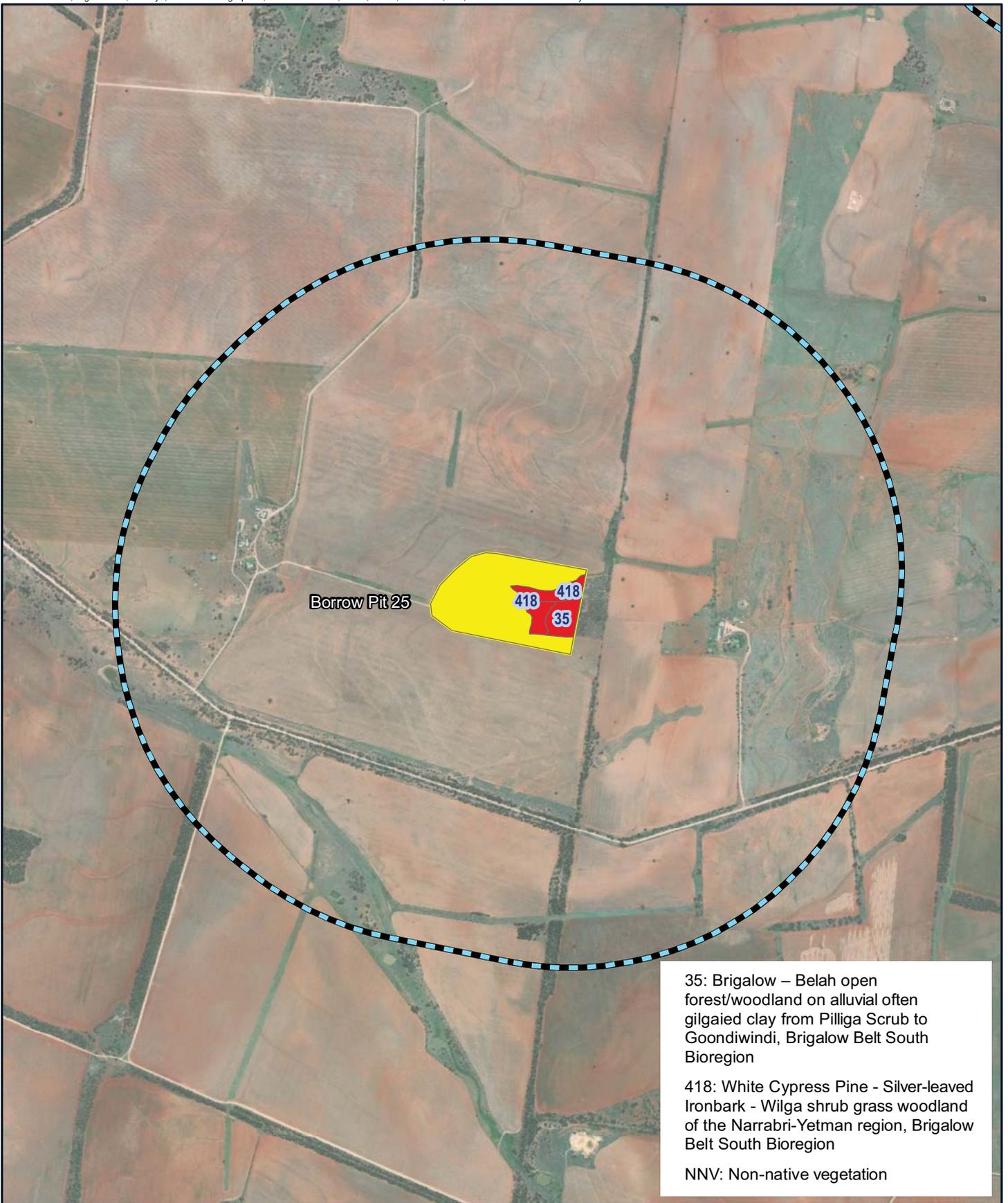


Date: 09/07/2020 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

**Map A.6o:
 Area of impacts requiring offset under BC Act**

Map by: ADMIN\FIGN_Z\GIS\GIS_270_NS2B\Tasks\270-EAP-2020\07\11428_GIS_Terrestrial_biodiversity\270_EAP_2020\07\11428_FF\IV_MapA.6_impact_offset.mxd Date: 10/07/2020 09:40



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

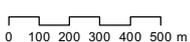
NNV: Non-native vegetation

Legend

- Impacts not requiring offset
- Impacts requiring offset
- Subject land
- Study area



A4 scale: 1:25,000

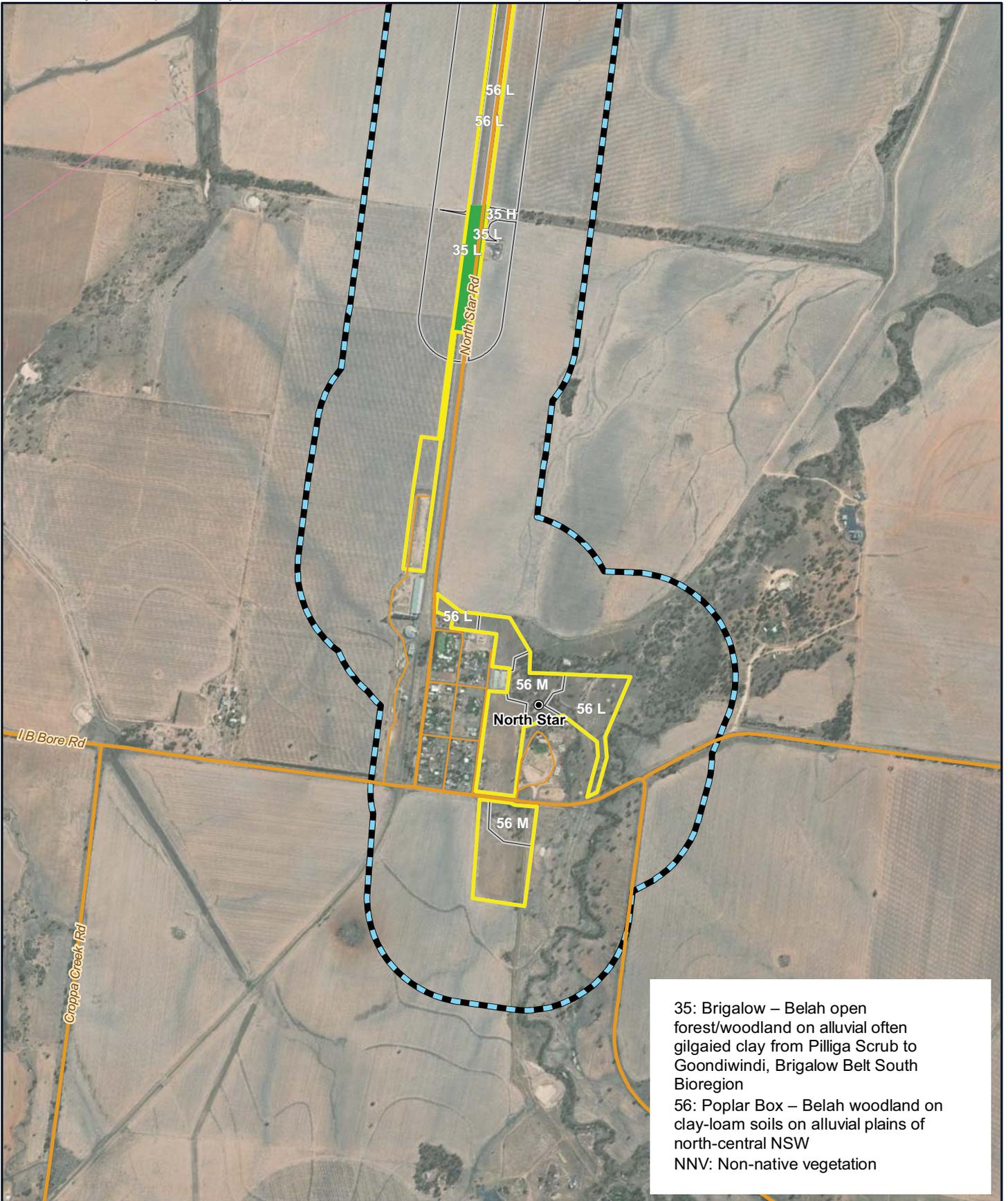


Date: 09/07/2020 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

**Map A.6p:
 Area of impacts requiring offset under BC Act**

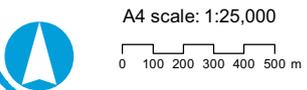
Map by: MF:ID:TH:GN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202007011428_GIS_Terrrestrial_biodiversity\270_EAP_202007011428_FF-V_MapA_7_SAI_v2.mxd Date: 10/07/2020 09:32



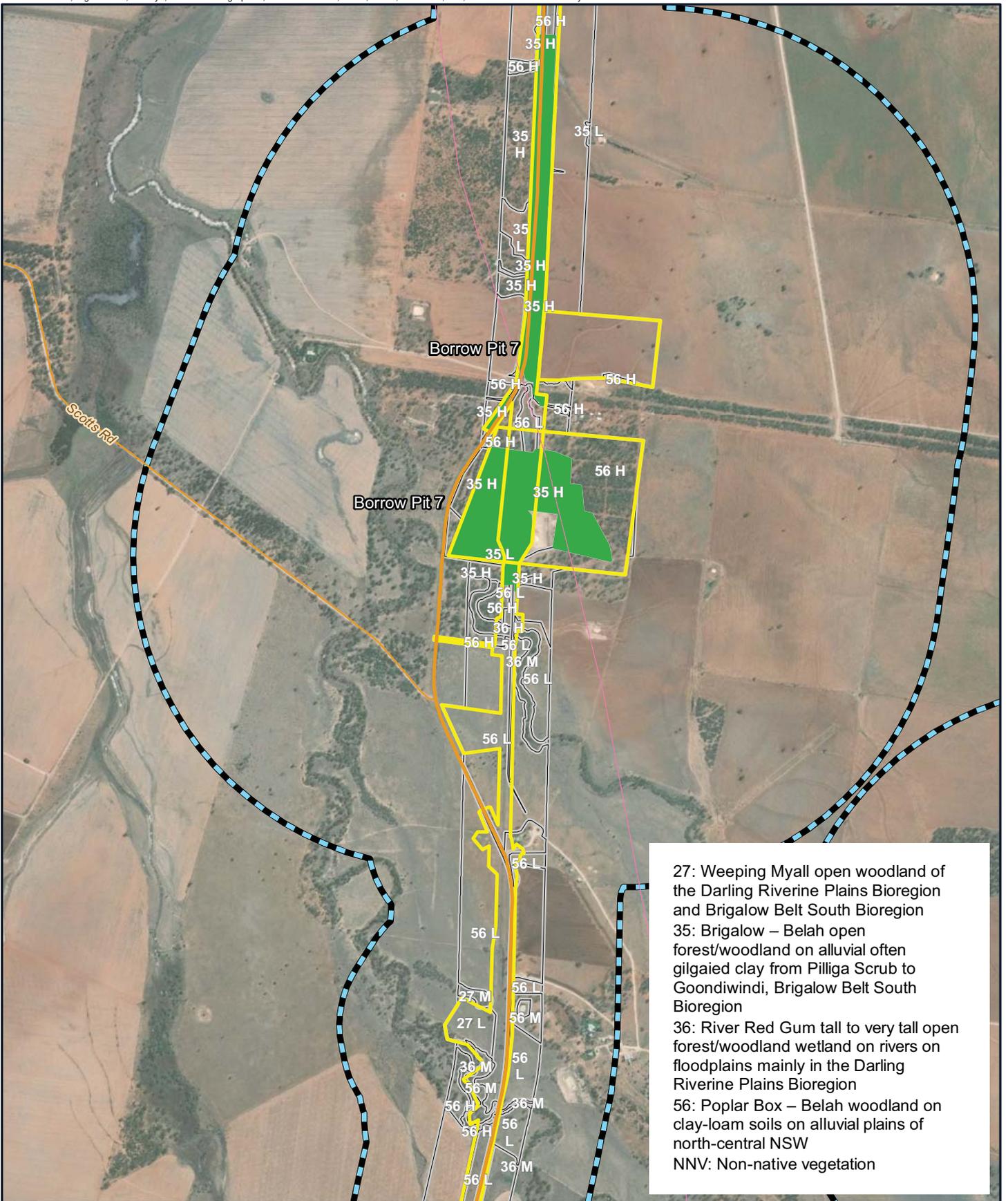
35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
 NNV: Non-native vegetation

Legend

- Major roads
- Minor roads
- IBRA 7 sub-region boundary
- Subject land
- Study area
- Potential serious and irreversible impact species
- Fieldwork PCT (to fieldwork extent)
- H - High
- M - Medium
- L - Low



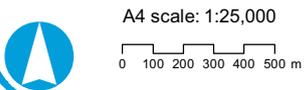
Map by: MF/DTH/IGN Z:/GIS/GIS_270_NS2B/Tasks/270-EAP-202007011428_GIS_Terrrestrial_biodiversity/270_EAP_202007011428_FF-V_MapA_7_SAI_v2.mxd Date: 10/07/2020 09:32



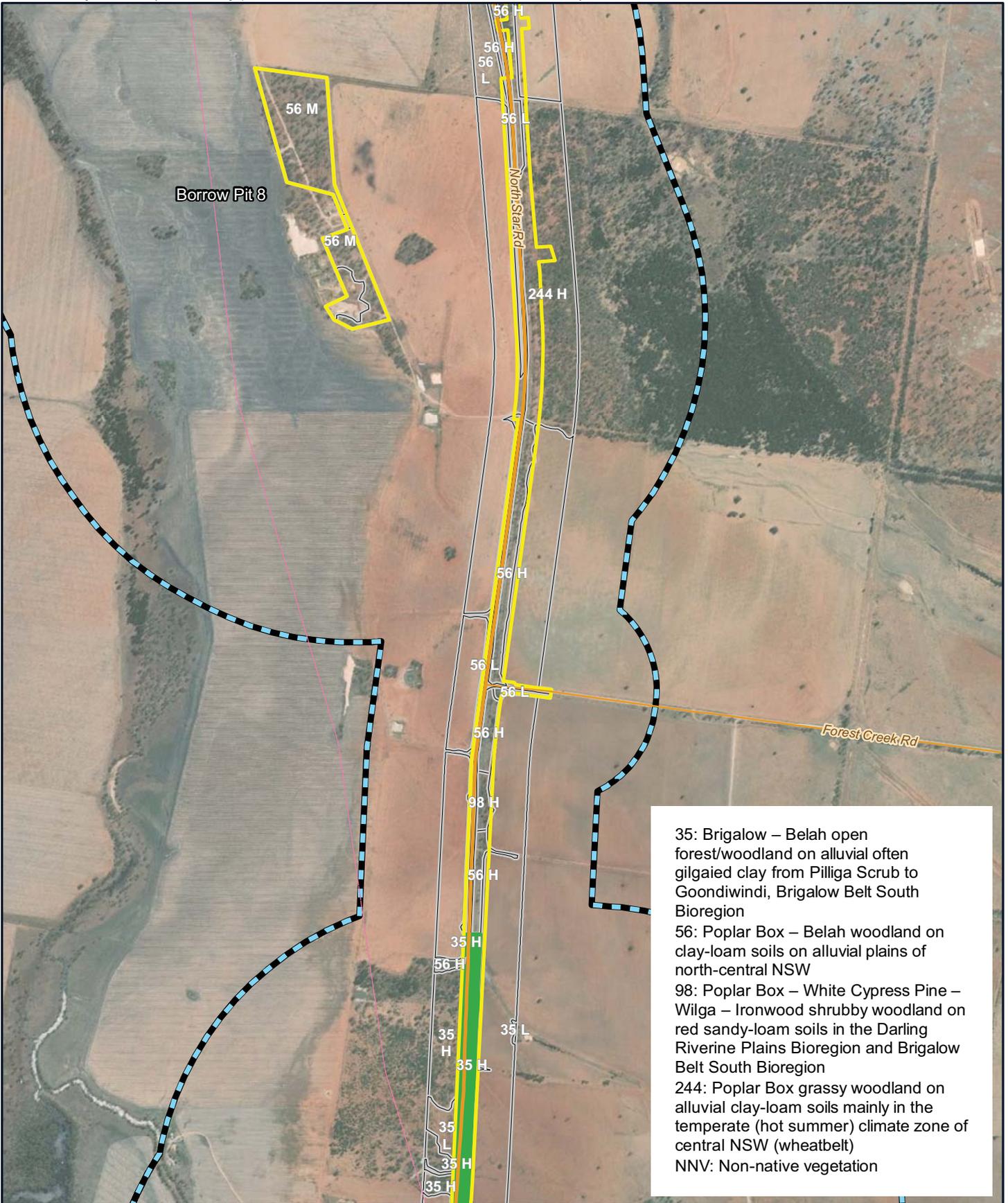
27: Weeping Myall open woodland of the Darling Riverine Plains Bioregion and Brigalow Belt South Bioregion
 35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
 36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion
 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
 NNV: Non-native vegetation

Legend

- Major roads
- Minor roads
- IBRA 7 sub-region boundary
- Subject land
- Study area
- Potential serious and irreversible impact species
- Fieldwork PCT (to fieldwork extent)
- H - High
- M - Medium
- L - Low



Map by: MF:ID:TH:GN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202007011428_GIS_Terrrestrial_biodiversity\270_EAP_202007011428_FF-V_MapA_7_SAI_v2.mxd Date: 10/07/2020 09:32



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
 98: Poplar Box – White Cypress Pine – Wilga – Ironwood shrubby woodland on red sandy-loam soils in the Darling Riverine Plains Bioregion and Brigalow Belt South Bioregion
 244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
 NNV: Non-native vegetation

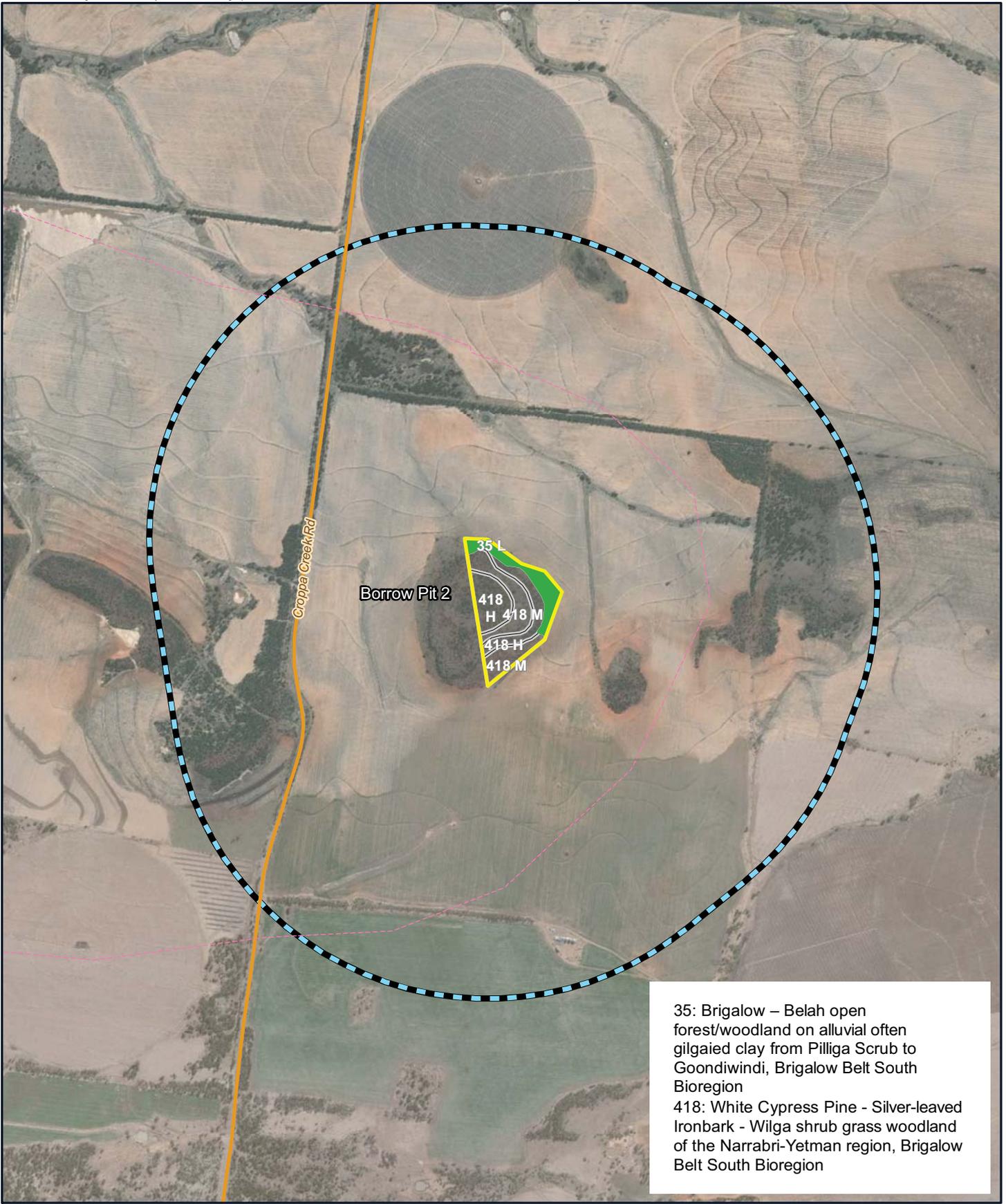
Legend

- Major roads
- Minor roads
- IBRA 7 sub-region boundary
- Subject land
- Study area
- Potential serious and irreversible impact species
- Fieldwork PCT (to fieldwork extent)
- H - High
- M - Medium
- L - Low



A4 scale: 1:25,000
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Map by: MF:ID:TH:GN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202007011428_GIS_Terrrestrial_biodiversity\270_EAP_202007011428_FF-V_MapA_7_SAI_v2.mxd Date: 10/07/2020 09:32



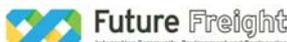
35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
 418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

Legend

- Major roads
- IBRA 7 sub-region boundary
- Subject land
- Study area
- Potential serious and irreversible impact species
- Fieldwork PCT (to fieldwork extent)
- H - High
- M - Medium
- L - Low



A4 scale: 1:25,000
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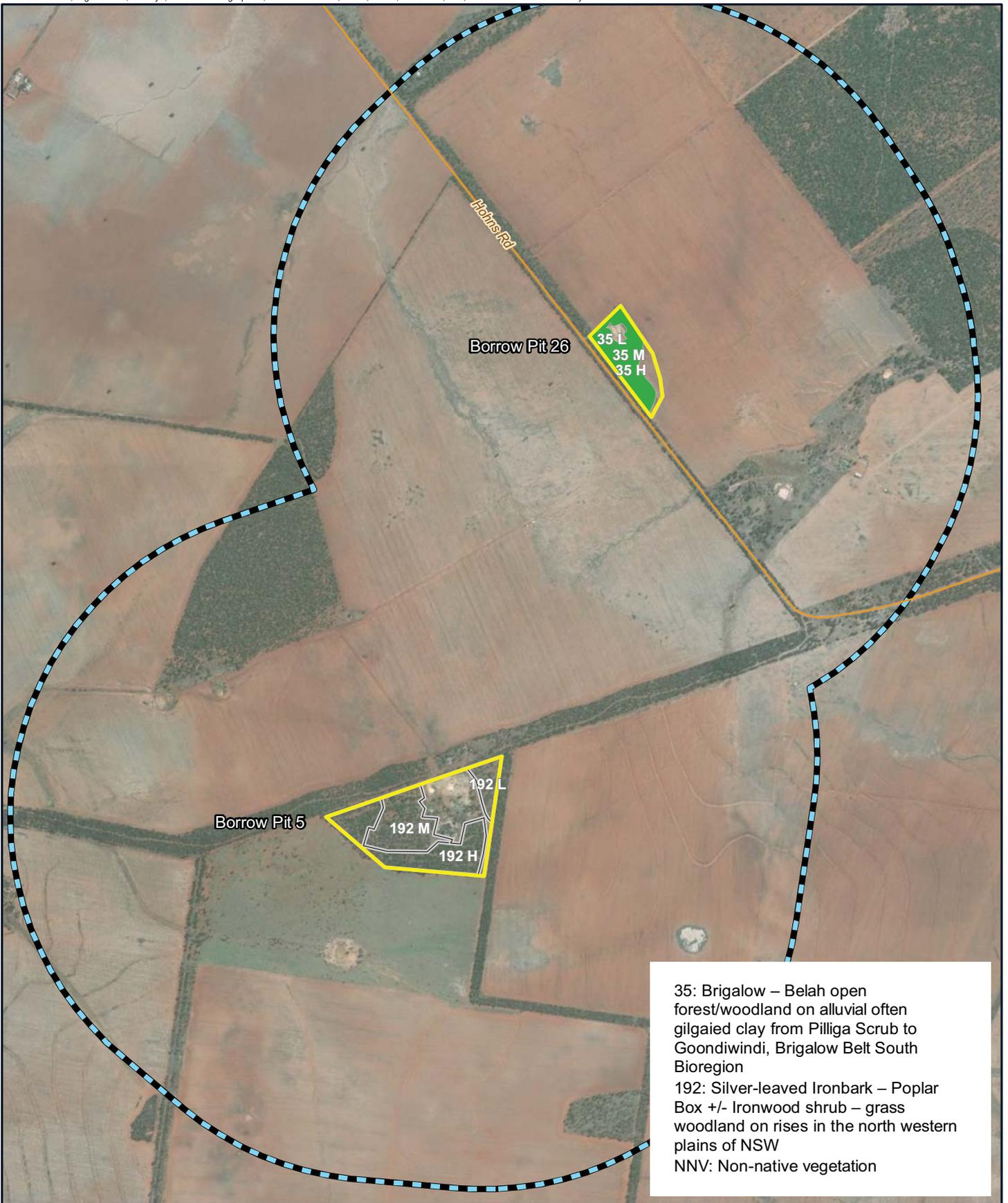


Date: 09/07/2020 Version: 2
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

Map A.7: Potential SAIL species - PCT35 – Brigalow – Belah open forest/woodland [Brigalow (*Acacia harpophylla* dominant and co-ominant)]

Map by: MF:ID:TH:GN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202007011428_GIS_Terrrestrial_biodiversity\270_EAP_202007011428_FF-V_MapA_7_SAI_v2.mxd Date: 10/07/2020 09:32



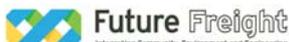
35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
 192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW
 NNV: Non-native vegetation

Legend

-  Minor roads
-  IBRA 7 sub-region boundary
-  Subject land
-  Study area
-  Potential serious and irreversible impact species
-  Fieldwork PCT (to fieldwork extent)
- H - High
- M - Medium
- L - Low



A4 scale: 1:25,000
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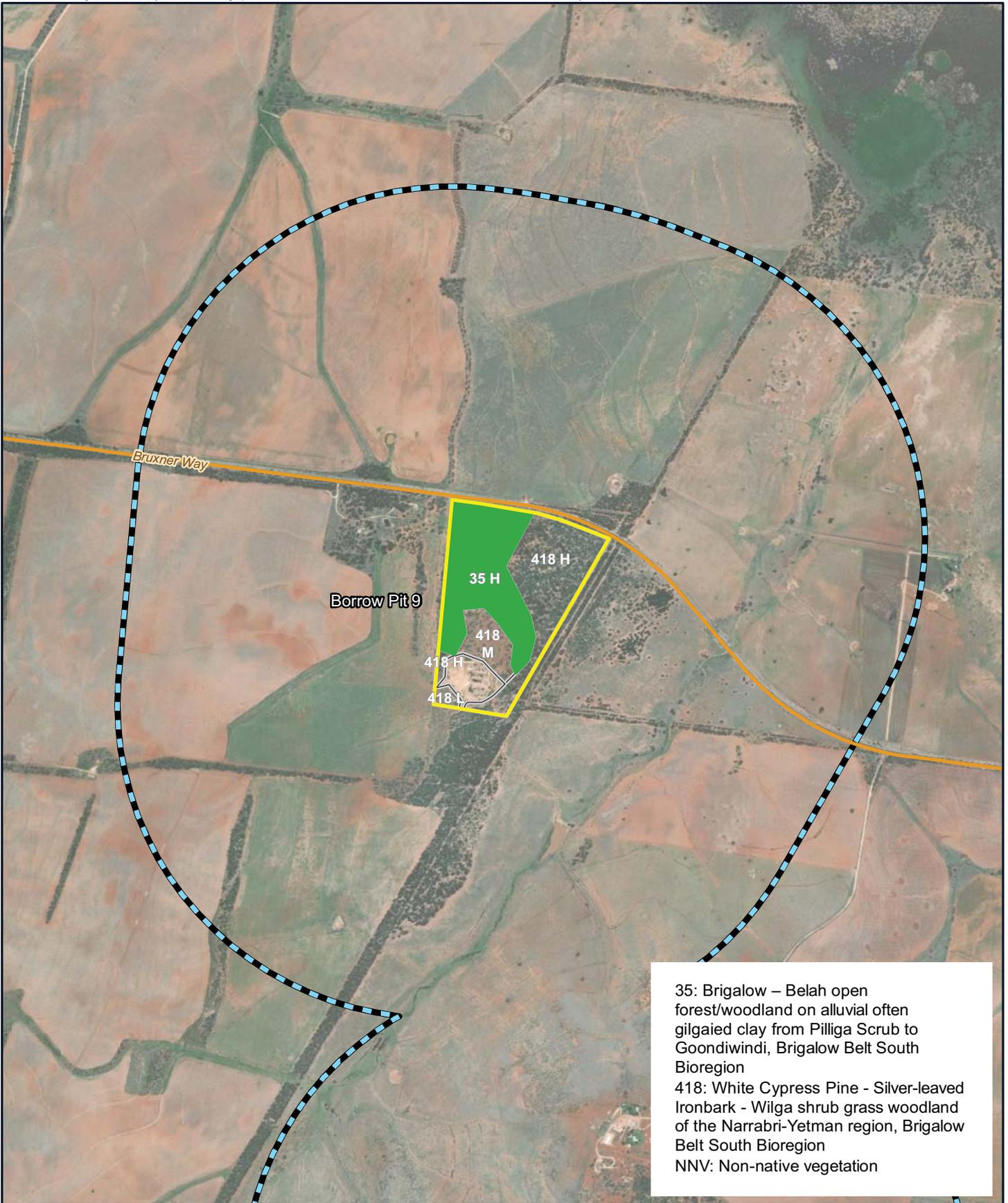


Date: 09/07/2020 Version: 2
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

Map A.7: Potential SAIL species - PCT35 – Brigalow – Belah open forest/woodland [Brigalow (*Acacia harpophylla* dominant and co-ominant)]

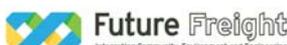
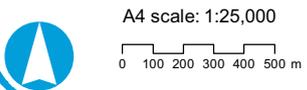
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35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
 418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion
 NNV: Non-native vegetation

Legend

- Major roads
- IBRA 7 sub-region boundary
- Subject land
- Study area
- Potential serious and irreversible impact species
- Fieldwork PCT (to fieldwork extent)
- H - High
- M - Medium
- L - Low

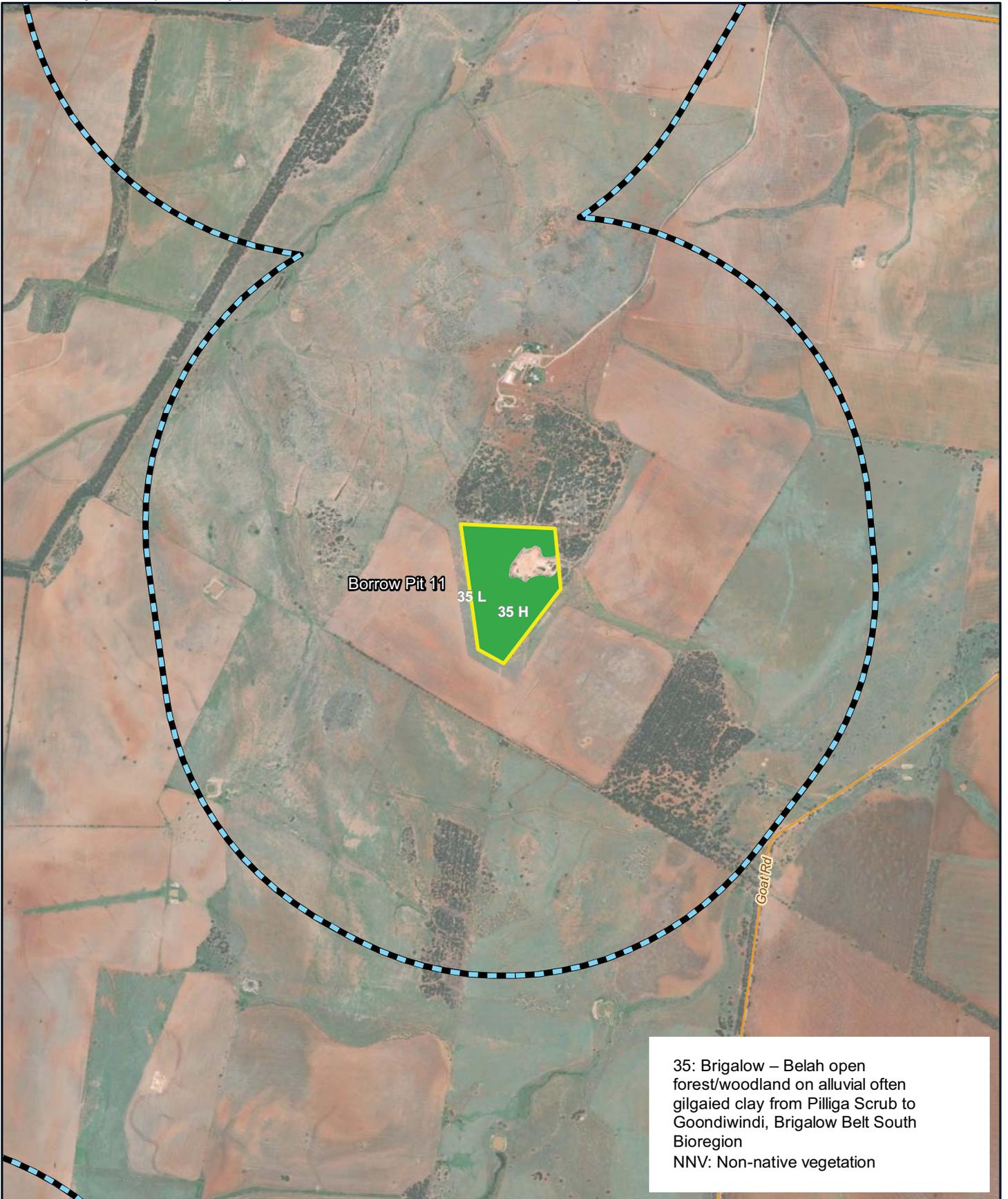


Date: 09/07/2020 Version: 2
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

Map A.7: Potential SAIL species - PCT35 – Brigalow – Belah open forest/woodland [Brigalow (*Acacia harpophylla* dominant and co-ominant)]

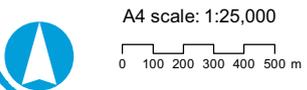
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35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
 NNV: Non-native vegetation

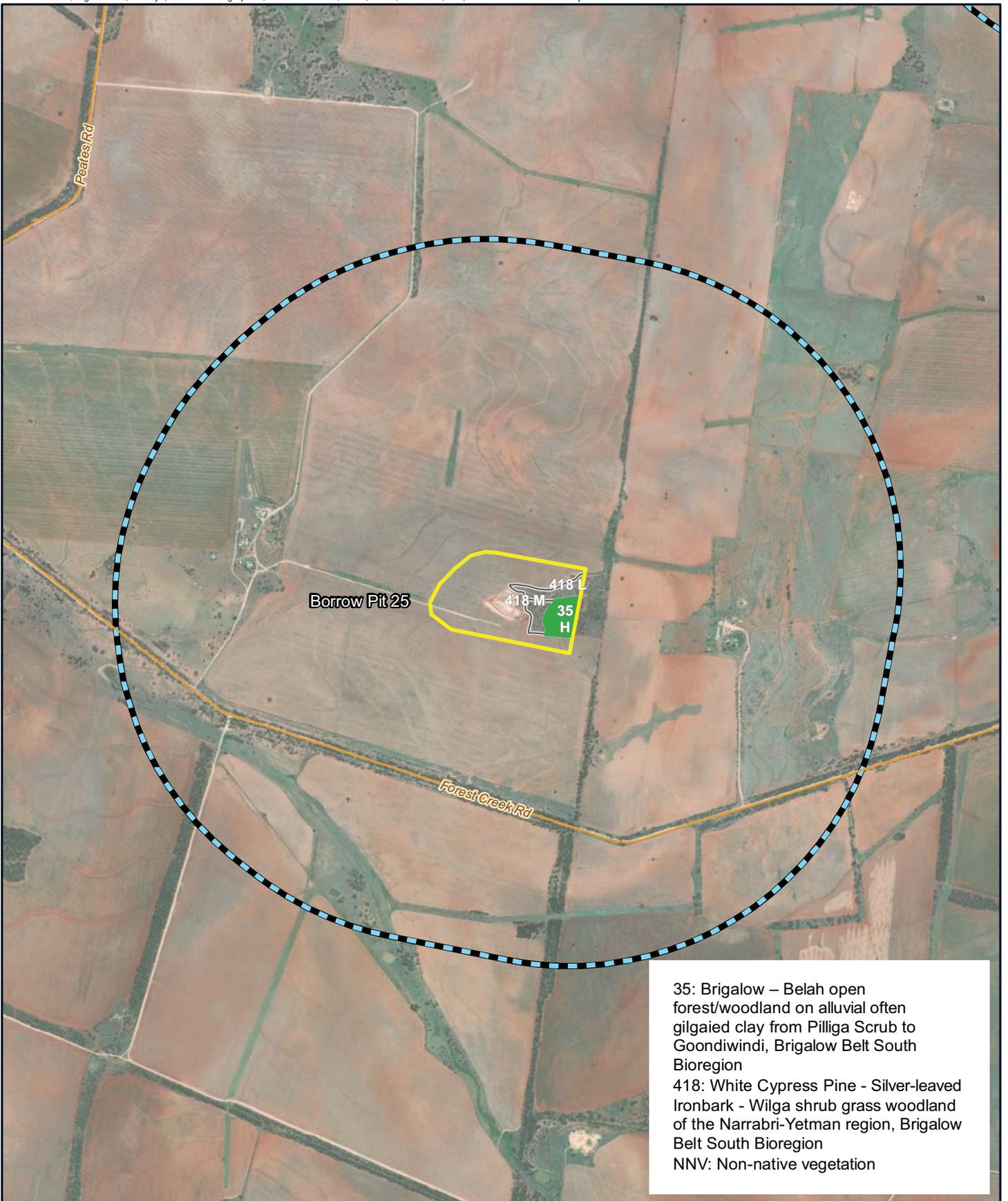
Legend

-  Major roads
-  Minor roads
-  IBRA 7 sub-region boundary
-  Subject land
-  Study area
-  Potential serious and irreversible impact species
-  Fieldwork PCT (to fieldwork extent)
- H - High
- M - Medium
- L - Low



A4 scale: 1:25,000
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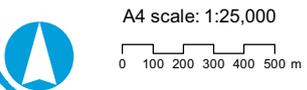
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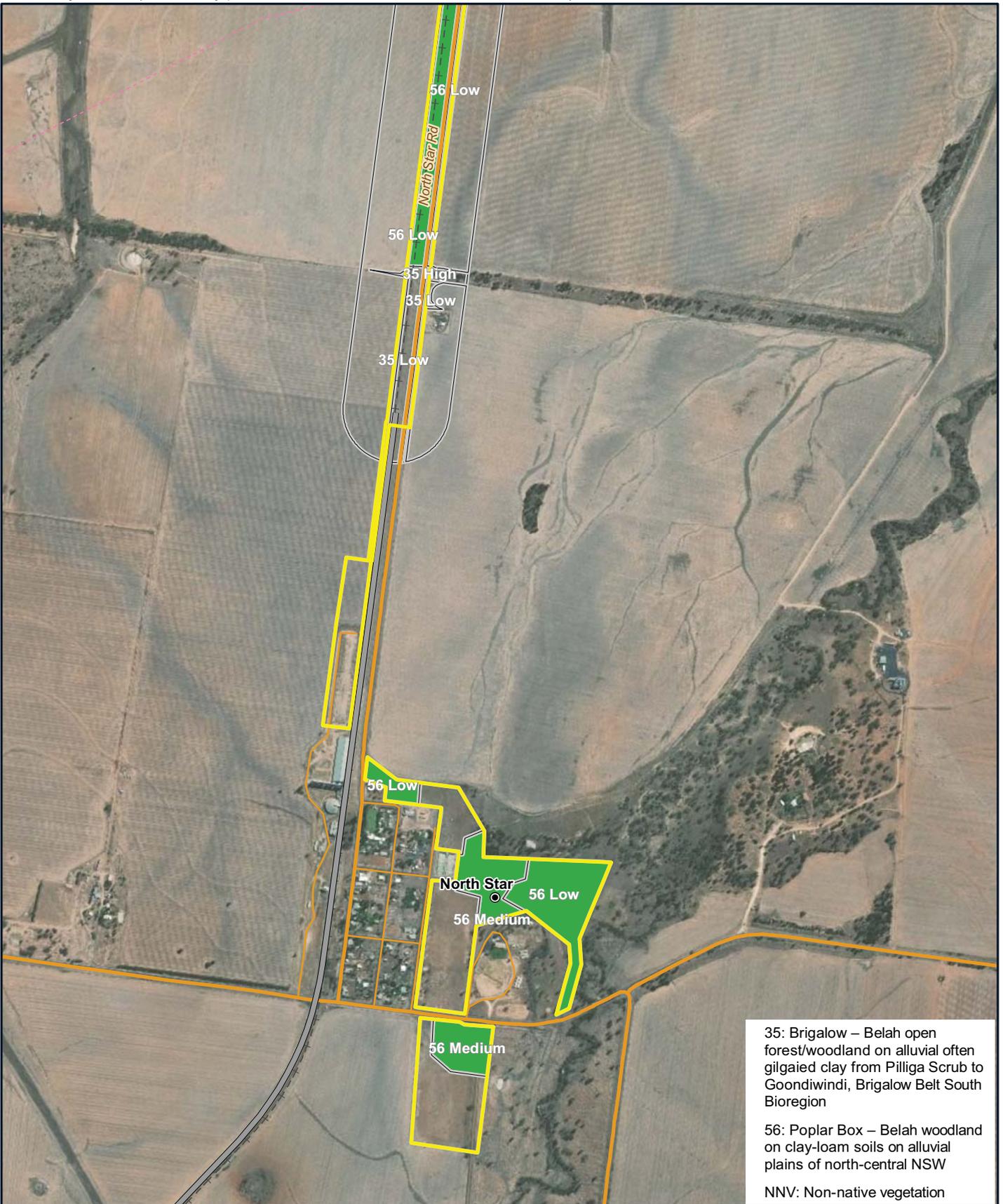
35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
 418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion
 NNV: Non-native vegetation

Legend

- Minor roads
- IBRA 7 sub-region boundary
- Subject land
- Study area
- Potential serious and irreversible impact species
- Fieldwork PCT (to fieldwork extent)
- H - High
- M - Medium
- L - Low



Map by: MFD TH/IGN_Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_L_biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_flova_v2.mxd Date: 10/07/2020 09:58



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

NNV: Non-native vegetation

Legend

- Localities
- +- Existing rail (non-operational)
- ▬ Adjoining alignments
- ▬ Major roads
- ▬ Minor roads
- Species-credit species
- ▭ Fieldwork PCT (to fieldwork extent)
- ▭ IBRA 7 sub-region boundary
- ▭ Subject land



A4 scale: 1:20,000
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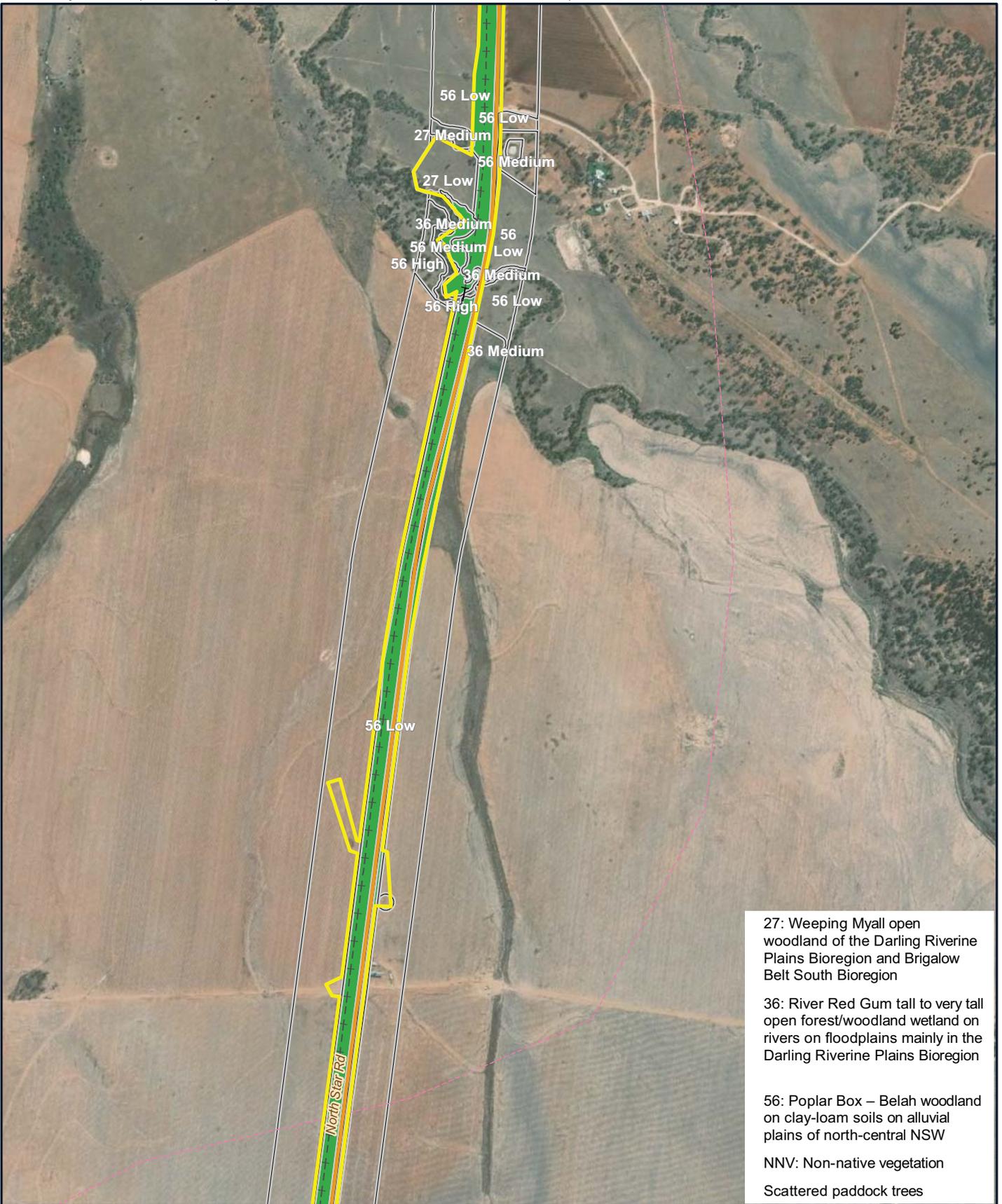


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 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Cyperus conicus*

Map by: MFD/TH/IGN_Z:\GIS\GIS_270_NS2BT\Tasks\270-EAP-202\007011428_GIS_Terrestrial_L_biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_flores_v2.mxd Date: 10/07/2020 09:58



27: Weeping Myall open woodland of the Darling Riverine Plains Bioregion and Brigalow Belt South Bioregion

36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

NNV: Non-native vegetation
Scattered paddock trees

Legend

- Existing rail (operational)
- - Existing rail (non-operational)
- Major roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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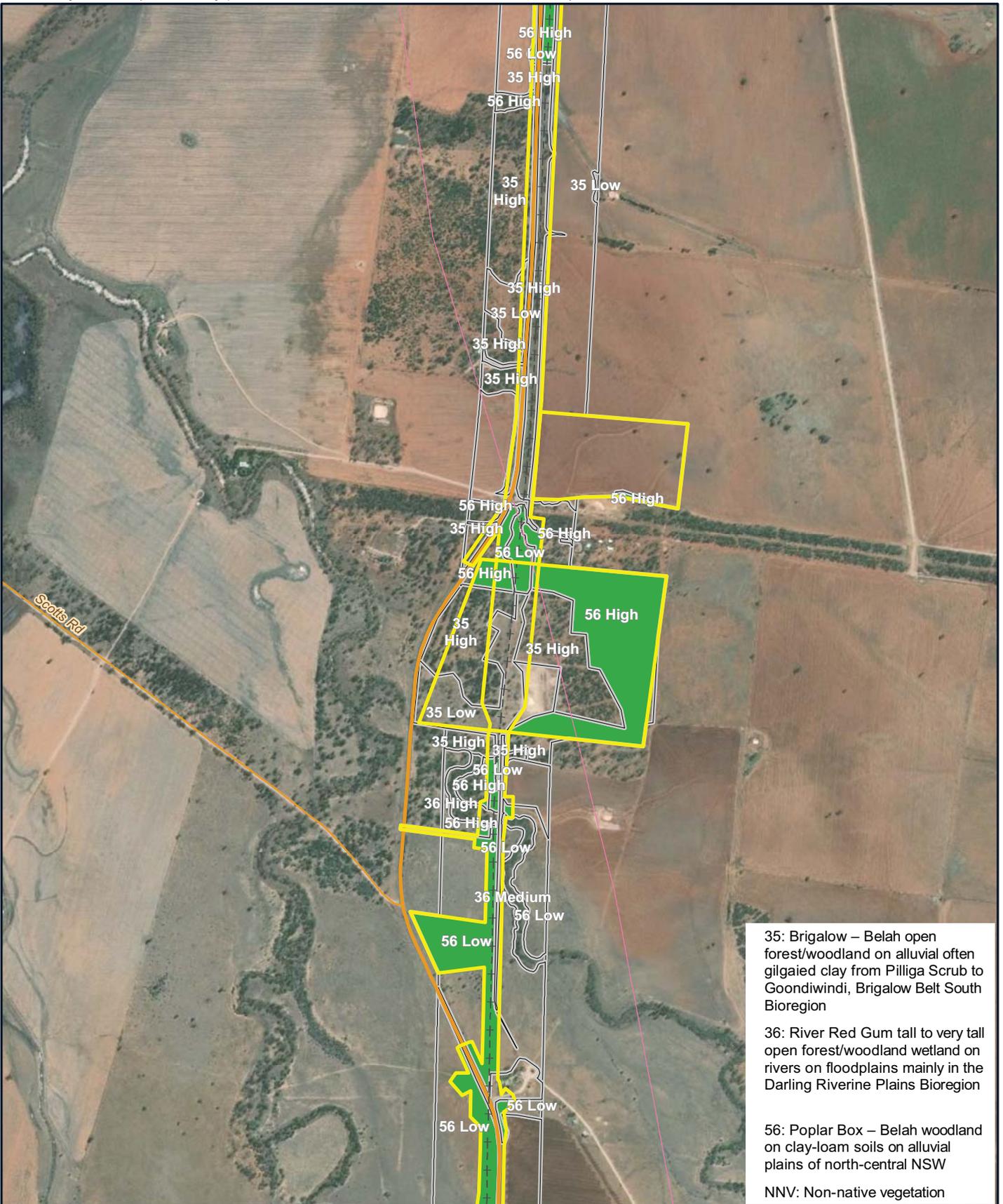


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Cyperus conicus*

Map by: MFD/TH/IGN_Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_L_biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_fiora_v2.mxd Date: 10/07/2020 09:58



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



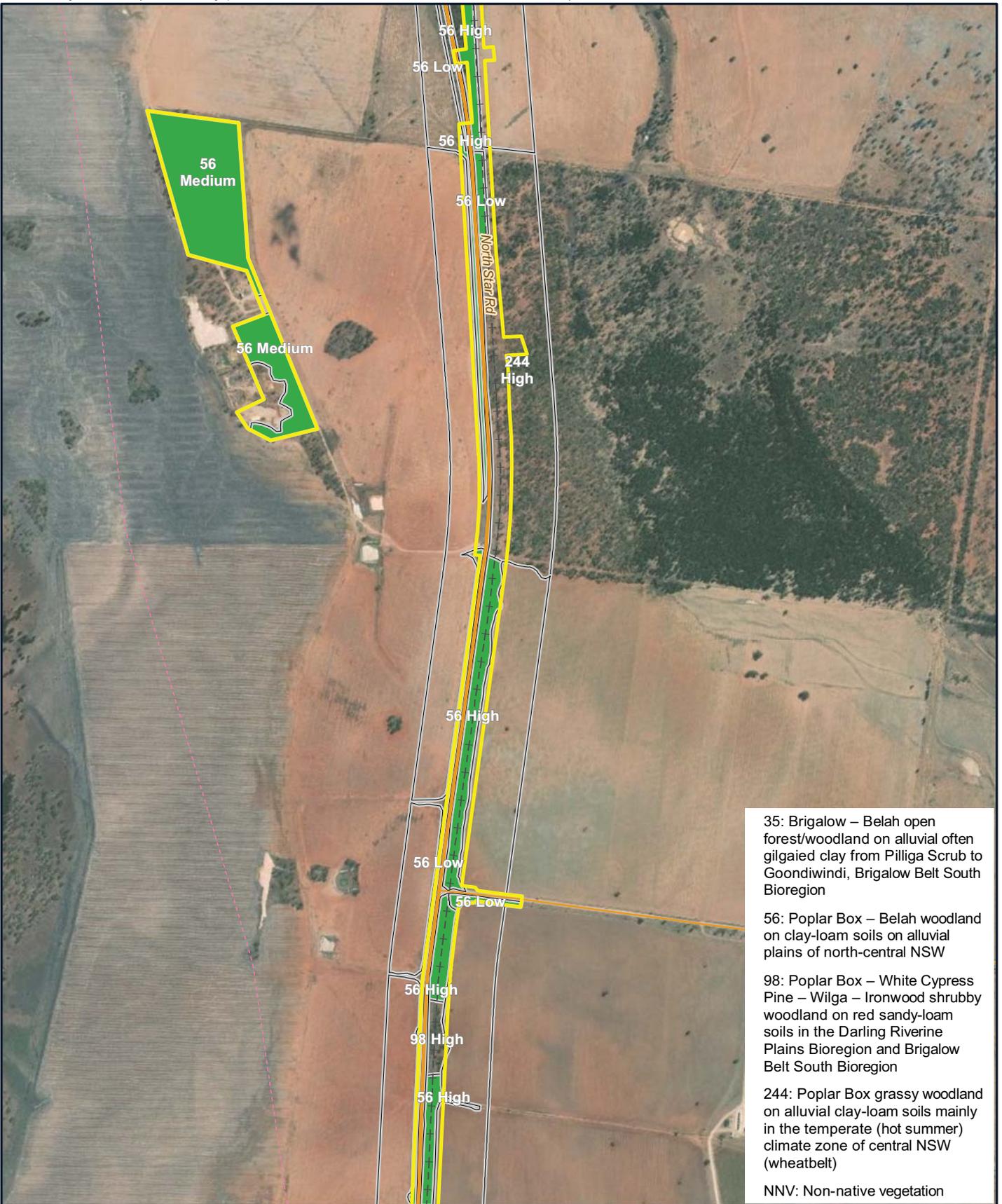
A4 scale: 1:20,000
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Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Cyperus conicus* (Cyperus conicus)



Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_fiora_v2.mxd Date: 10/07/2020 09:58

35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

98: Poplar Box – White Cypress Pine – Wilga – Ironwood shrubby woodland on red sandy-loam soils in the Darling Riverine Plains Bioregion and Brigalow Belt South Bioregion

244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)

NNV: Non-native vegetation

Legend

- + - Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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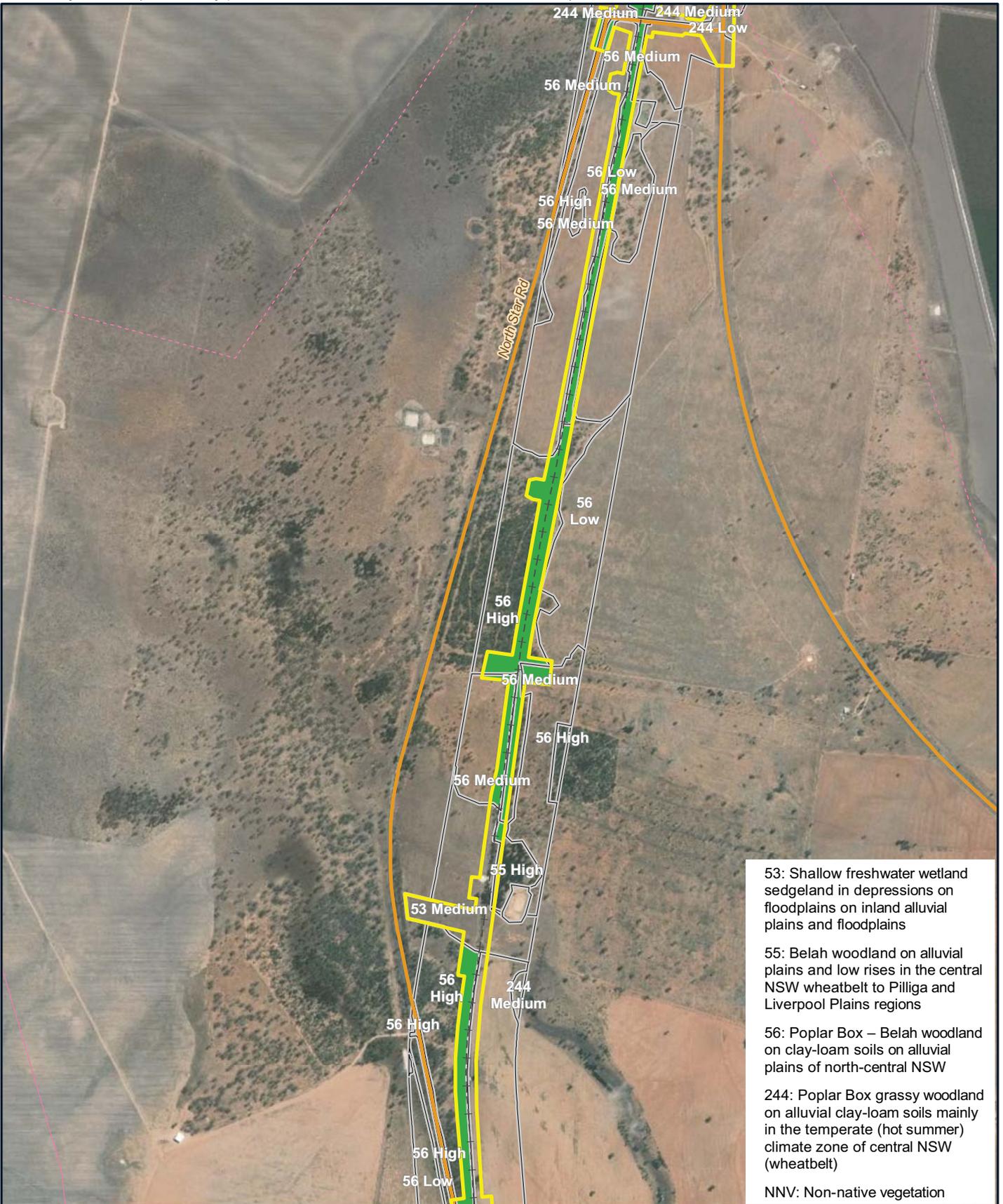


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Cyperus conicus* (*Cyperus conicus*)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_Lbiodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_flores_v2.mxd Date: 10/07/2020 09:58



53: Shallow freshwater wetland sedgeland in depressions on floodplains on inland alluvial plains and floodplains

55: Belah woodland on alluvial plains and low rises in the central NSW wheatbelt to Pilliga and Liverpool Plains regions

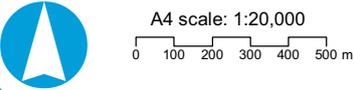
56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)

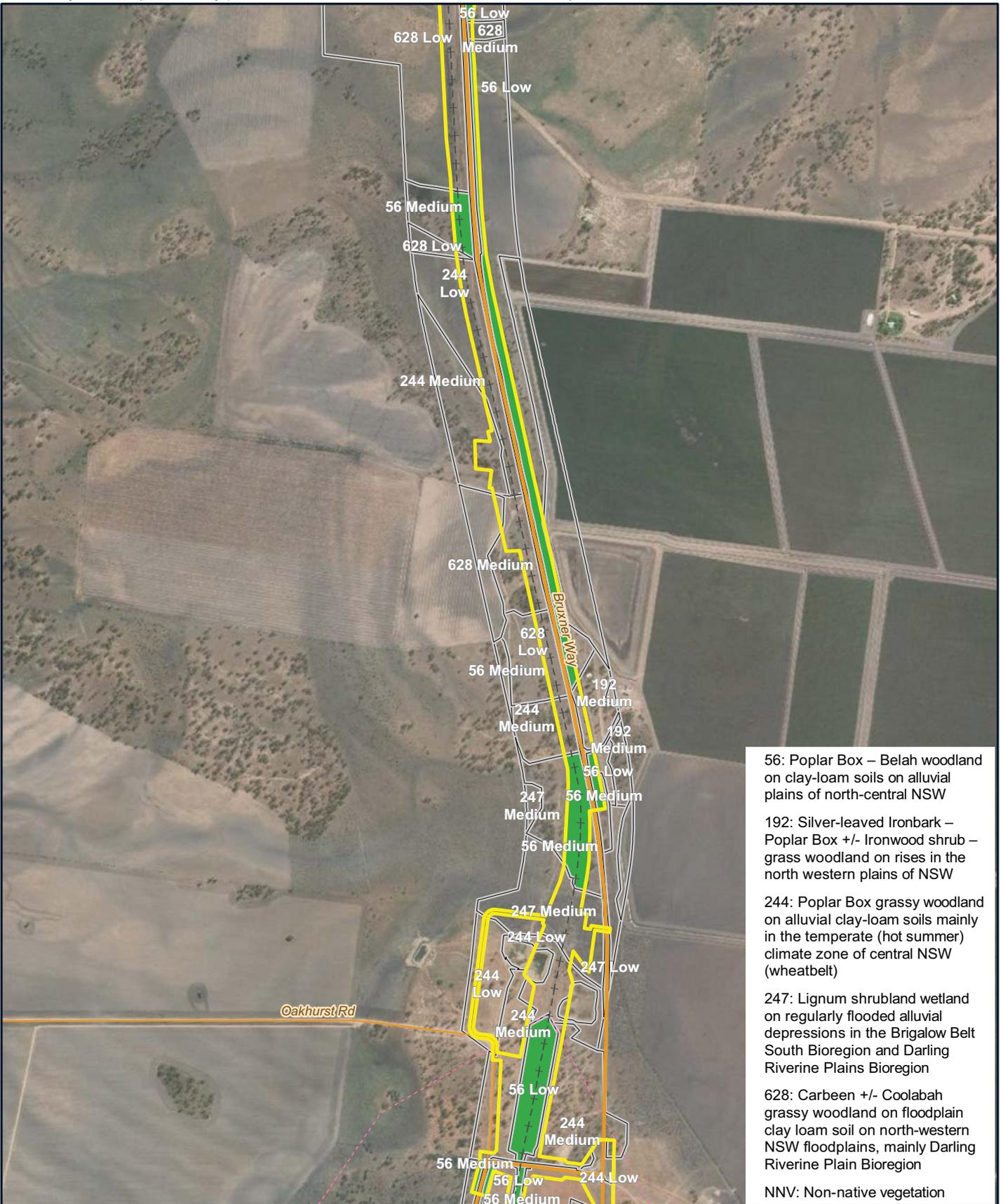
NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_Lbiodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 09:58



56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW

244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)

247: Lignum shrubland wetland on regularly flooded alluvial depressions in the Brigalow Belt South Bioregion and Darling Riverine Plains Bioregion

628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion

NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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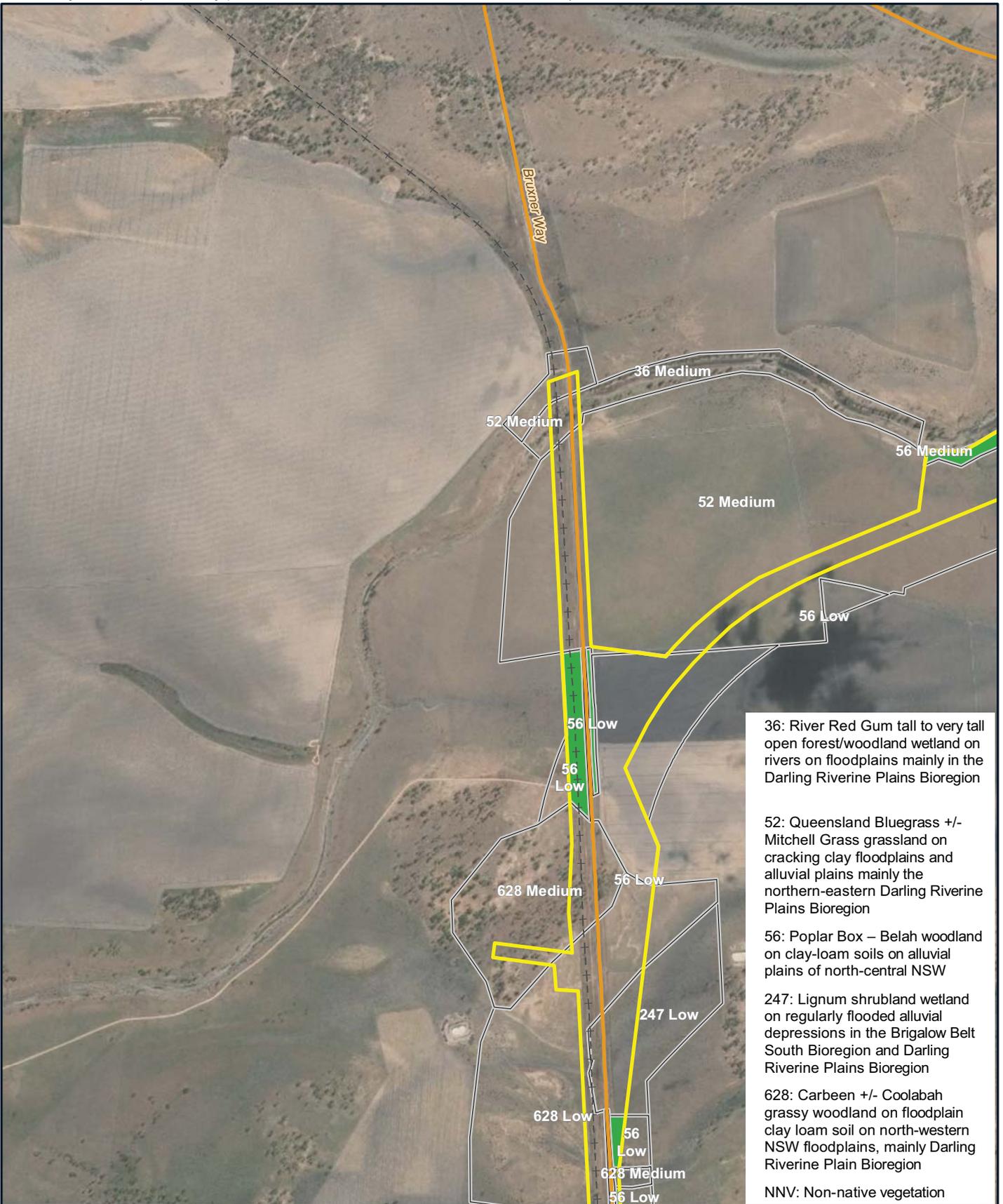


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Cyperus conicus*
 (*Cyperus conicus*)

Map by: MFD/TH/IGN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrrestrial_L_biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 09:58



- 36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion
- 52: Queensland Bluegrass +/- Mitchell Grass grassland on cracking clay floodplains and alluvial plains mainly the northern-eastern Darling Riverine Plains Bioregion
- 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
- 247: Lignum shrubland wetland on regularly flooded alluvial depressions in the Brigalow Belt South Bioregion and Darling Riverine Plains Bioregion
- 628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion
- NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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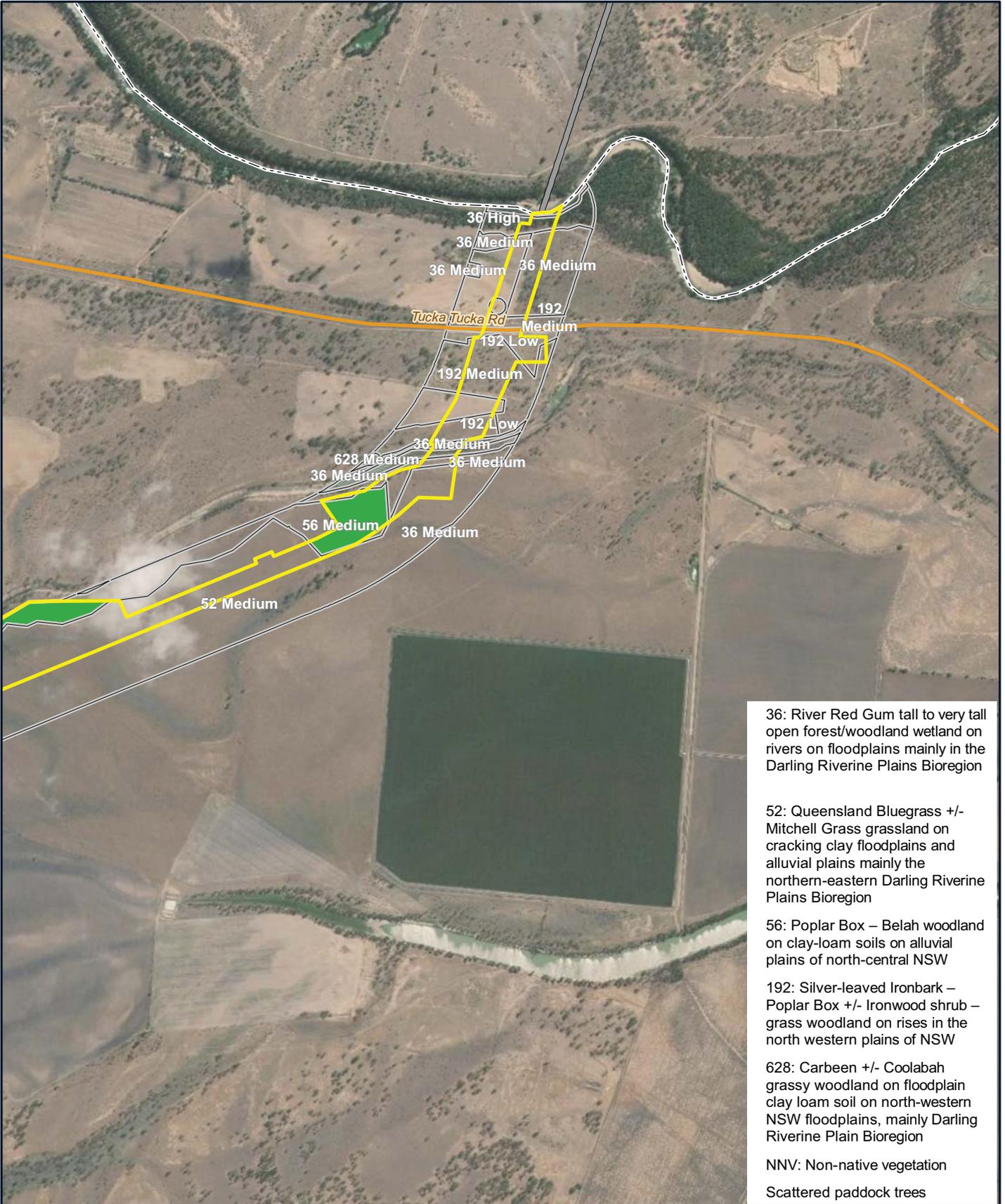


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Cyperus conicus*

Map by: MFD/TH/IGN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrrestrial_Biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 09:58



- 36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion
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- 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
- 192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW
- 628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion
- NNV: Non-native vegetation
Scattered paddock trees

Legend

- Major roads
- NSW/QLD border
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Cyperus conicus* (Cyperus conicus)

Map by: MFD TH/IGN_Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_L_biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_fiora_v2.mxd Date: 10/07/2020 09:58



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
 NNV: Non-native vegetation

Legend

- Localities
- +- Existing rail (non-operational)
- Adjoining alignments
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Desmodium campylocaulon* (Creeping tick-trefoil)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2BT\Tasks\270-EAP-202\007011428_GIS_Terrestrial_L_biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 09:58



27: Weeping Myall open woodland of the Darling Riverine Plains Bioregion and Brigalow Belt South Bioregion

36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

NNV: Non-native vegetation
Scattered paddock trees

Legend

- +— Existing rail (operational)
- +- Existing rail (non-operational)
- Major roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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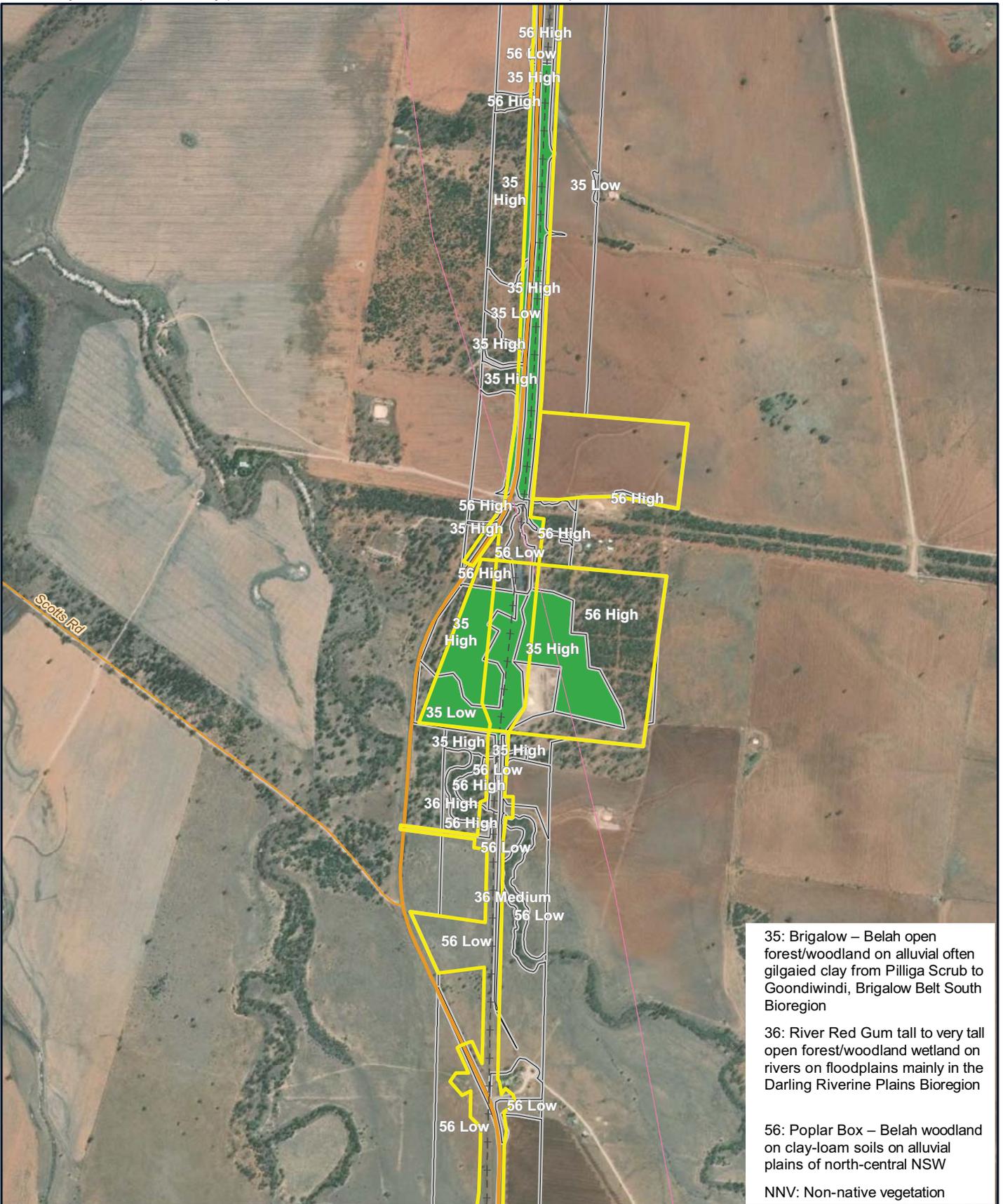


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Desmodium campylocaulon* (Creeping tick-trefoil)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_L_biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_fiora_v2.mxd Date: 10/07/2020 09:58



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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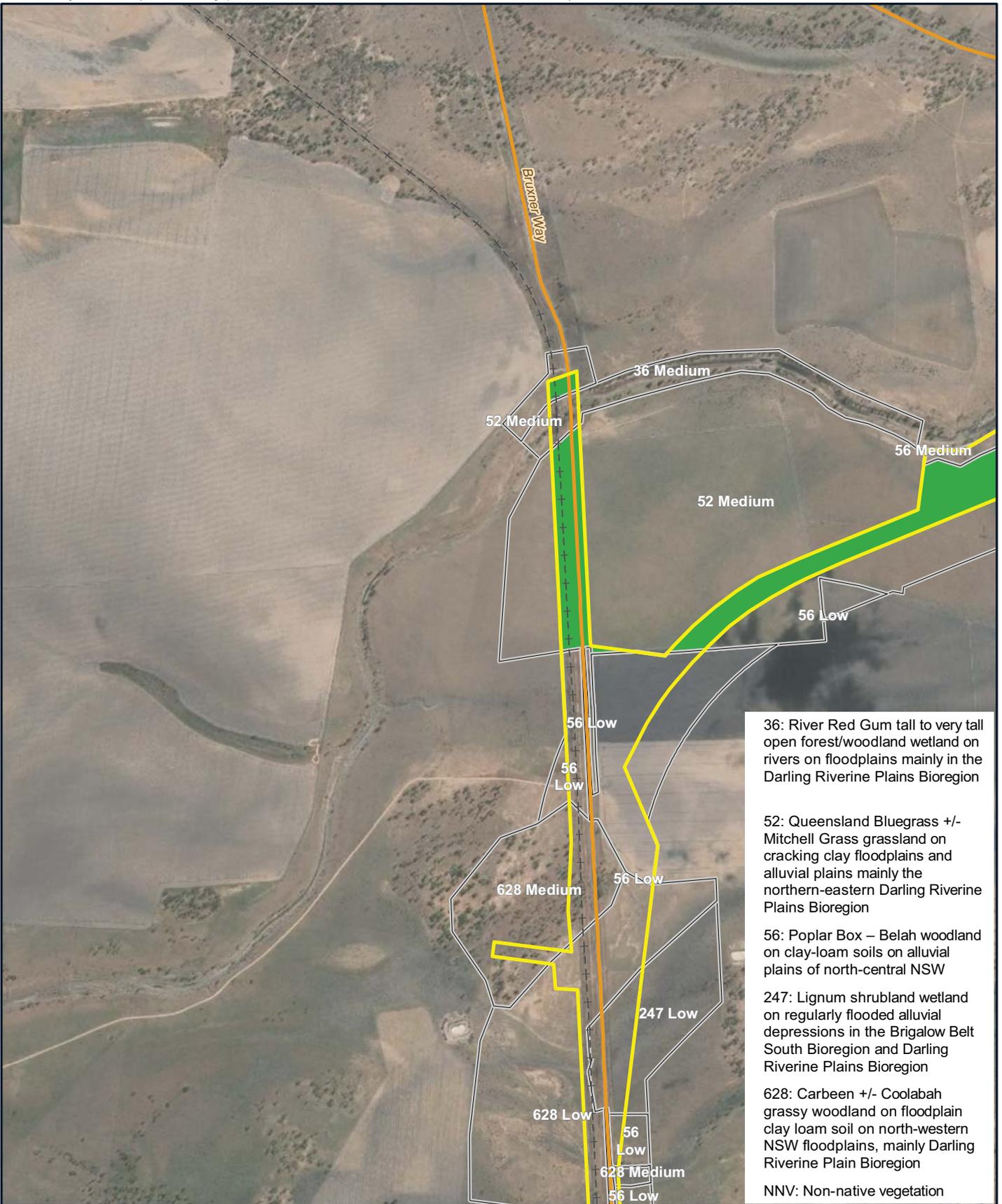


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Desmodium campylocaulon* (Creeping tick-trefoil)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 09:58



36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion

52: Queensland Bluegrass +/- Mitchell Grass grassland on cracking clay floodplains and alluvial plains mainly the northern-eastern Darling Riverine Plains Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

247: Lignum shrubland wetland on regularly flooded alluvial depressions in the Brigalow Belt South Bioregion and Darling Riverine Plains Bioregion

628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion

NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



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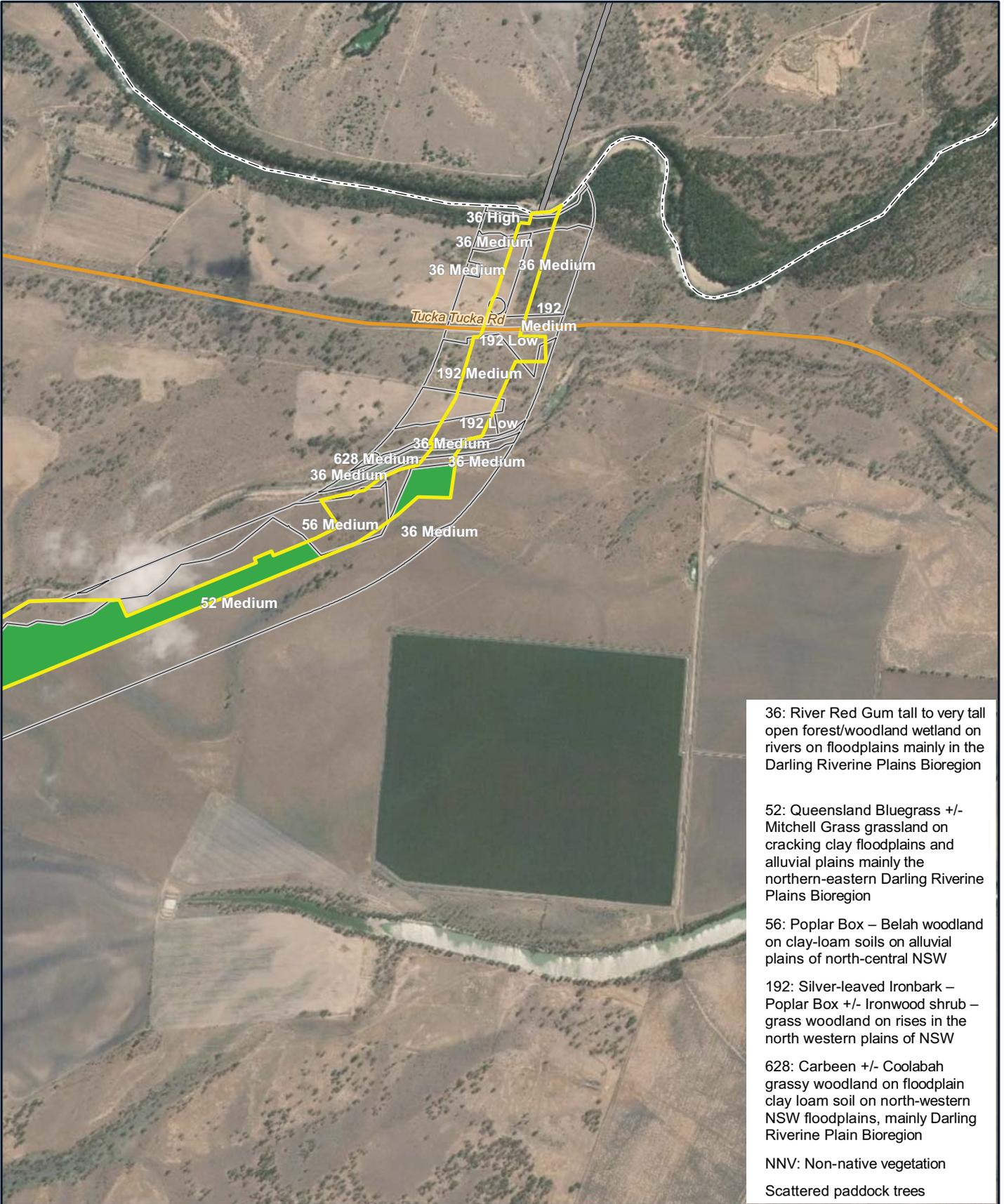


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 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Desmodium campylocaulon* (Creeping tick-trefoil)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 09:59



36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion

52: Queensland Bluegrass +/- Mitchell Grass grassland on cracking clay floodplains and alluvial plains mainly the northern-eastern Darling Riverine Plains Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW

628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion

NNV: Non-native vegetation
Scattered paddock trees

Legend

- Major roads
- NSW/QLD border
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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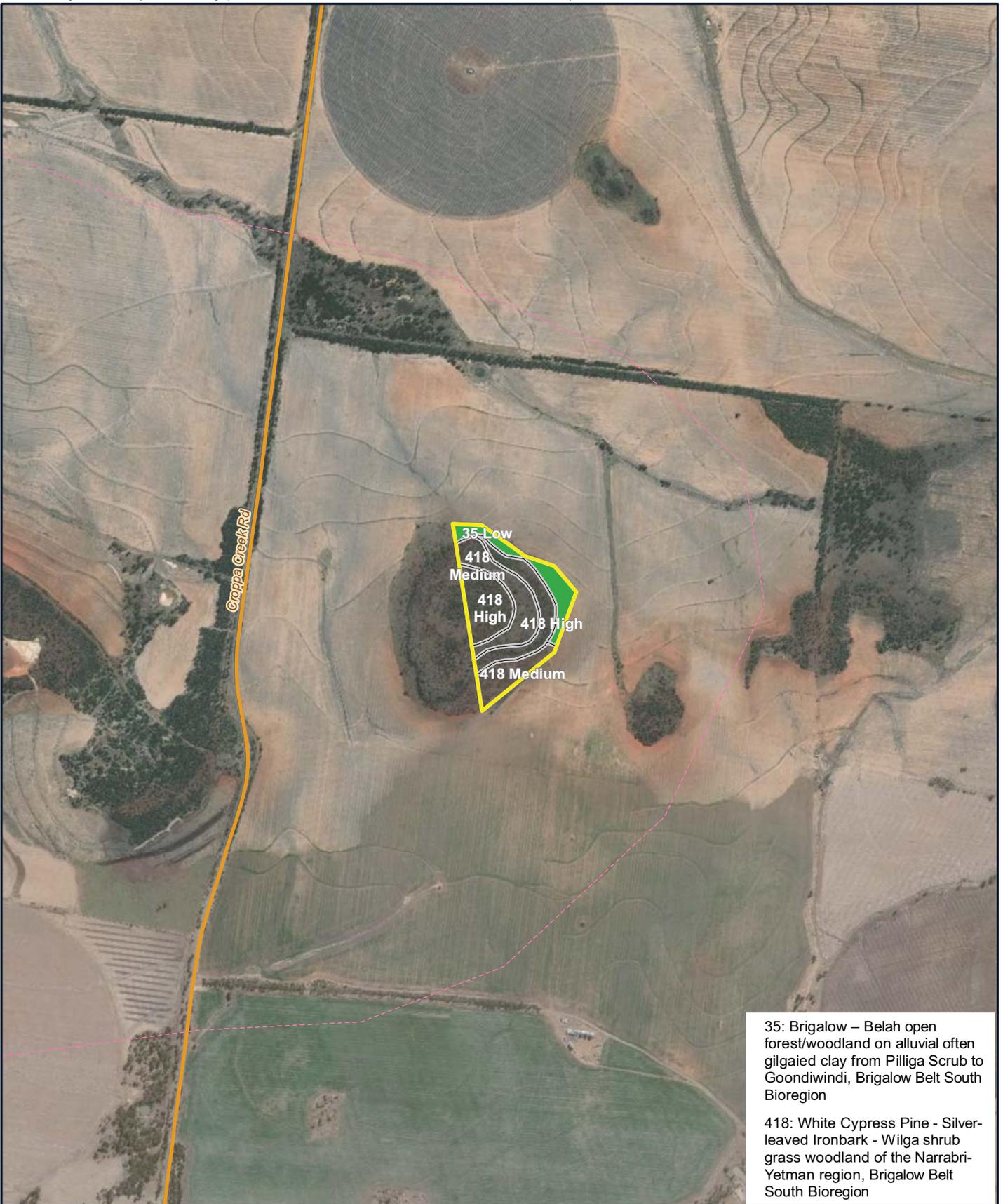


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Desmodium campylocaulon* (Creeping tick-trefoil)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NSZB\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_flova_v2.mxd Date: 10/07/2020 09:59



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

Legend

- Major roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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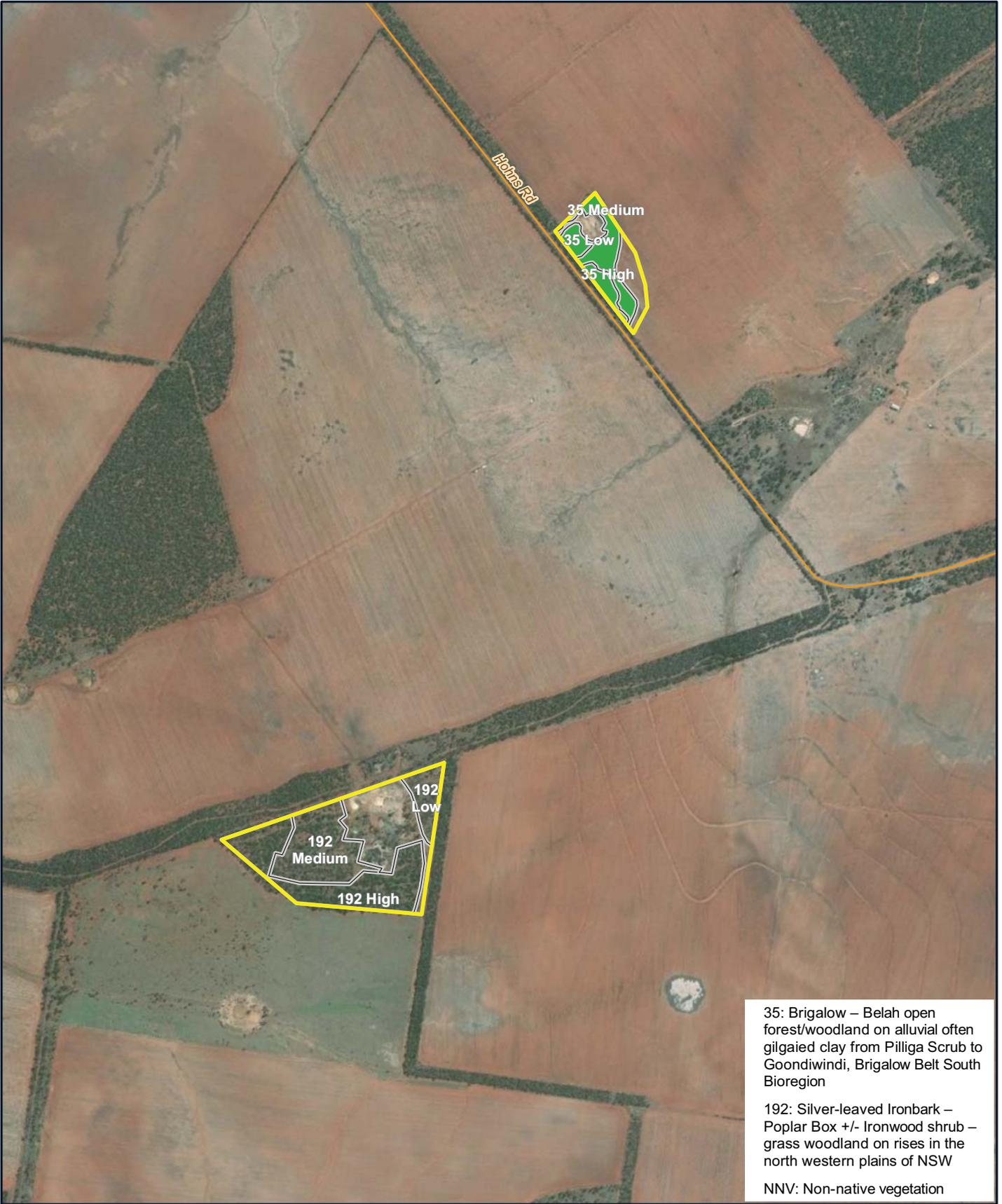


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Desmodium campylocaulon* (Creeping tick-trefoil)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_flova_v2.mxd Date: 10/07/2020 09:59



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW

NNV: Non-native vegetation

Legend

-  Minor roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



A4 scale: 1:20,000
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Date: 10/07/2020 Version: 2
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NORTH STAR TO NSW/QLD BORDER

Map A.8: *Desmodium campylocaulon* (Creeping tick-trefoil)

Map by: MFD/TH/IGN Z:\GIS\GIS_270_NSZBT\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 09:59



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

NNV: Non-native vegetation

Legend

- Major roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



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Date: 10/07/2020 Version: 2
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NORTH STAR TO NSW/QLD BORDER

Map A.8: *Desmodium campylocaulon* (Creeping tick-trefoil)

Map by: MFD/TH/IGN_Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_flores_v2.mxd Date: 10/07/2020 09:59



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
 NNV: Non-native vegetation

Legend

-  Minor roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



A4 scale: 1:20,000
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Date: 10/07/2020 Version: 2
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NORTH STAR TO NSW/QLD BORDER

Map A.8: *Desmodium campylocaulon* (Creeping tick-trefoil)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 09:59



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

NNV: Non-native vegetation

Legend

-  Minor roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



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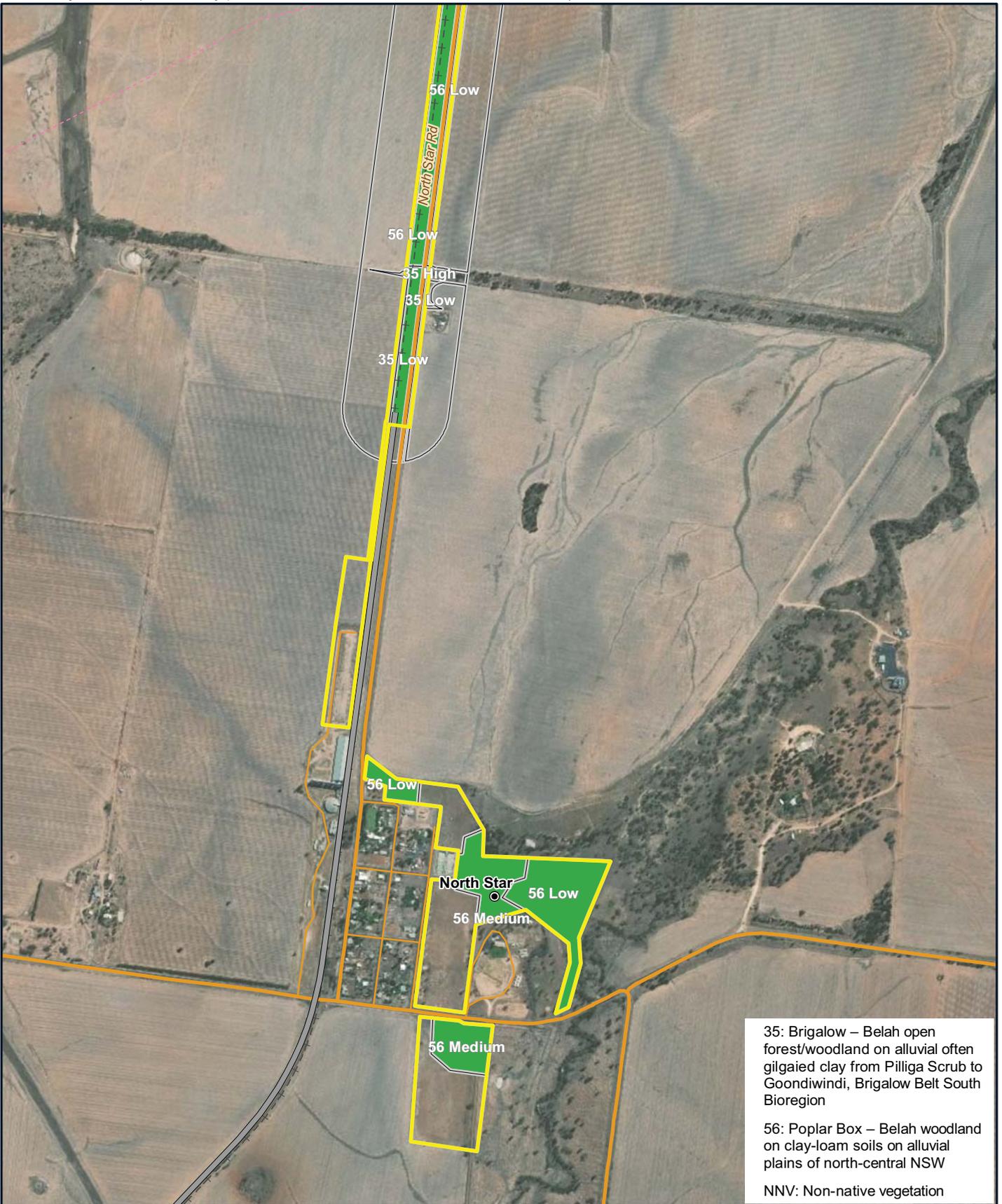


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NORTH STAR TO NSW/QLD BORDER

Map A.8: *Desmodium campylocaulon* (Creeping tick-trefoil)

Map by: MFD TH/IGN_Z:\GIS\GIS_270_NS2BTasks\270-EAP-202007011428_GIS_Terrestrial_Biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_fiora_v2.mxd Date: 10/07/2020 09:59



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
 NNV: Non-native vegetation

Legend

- Localities
- + - Existing rail (non-operational)
- ▬ Adjoining alignments
- ▬ Major roads
- ▬ Minor roads
- Species-credit species
- ▭ Fieldwork PCT (to fieldwork extent)
- ▭ IBRA 7 sub-region boundary
- ▭ Subject land



A4 scale: 1:20,000
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Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Dichanthium setosum* (Bluegrass)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2BTasks\270-EAP-202007011428_GIS_Terrestrial_Biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 09:59



27: Weeping Myall open woodland of the Darling Riverine Plains Bioregion and Brigalow Belt South Bioregion

36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

NNV: Non-native vegetation
 Scattered paddock trees

Legend

- Existing rail (operational)
- - Existing rail (non-operational)
- Major roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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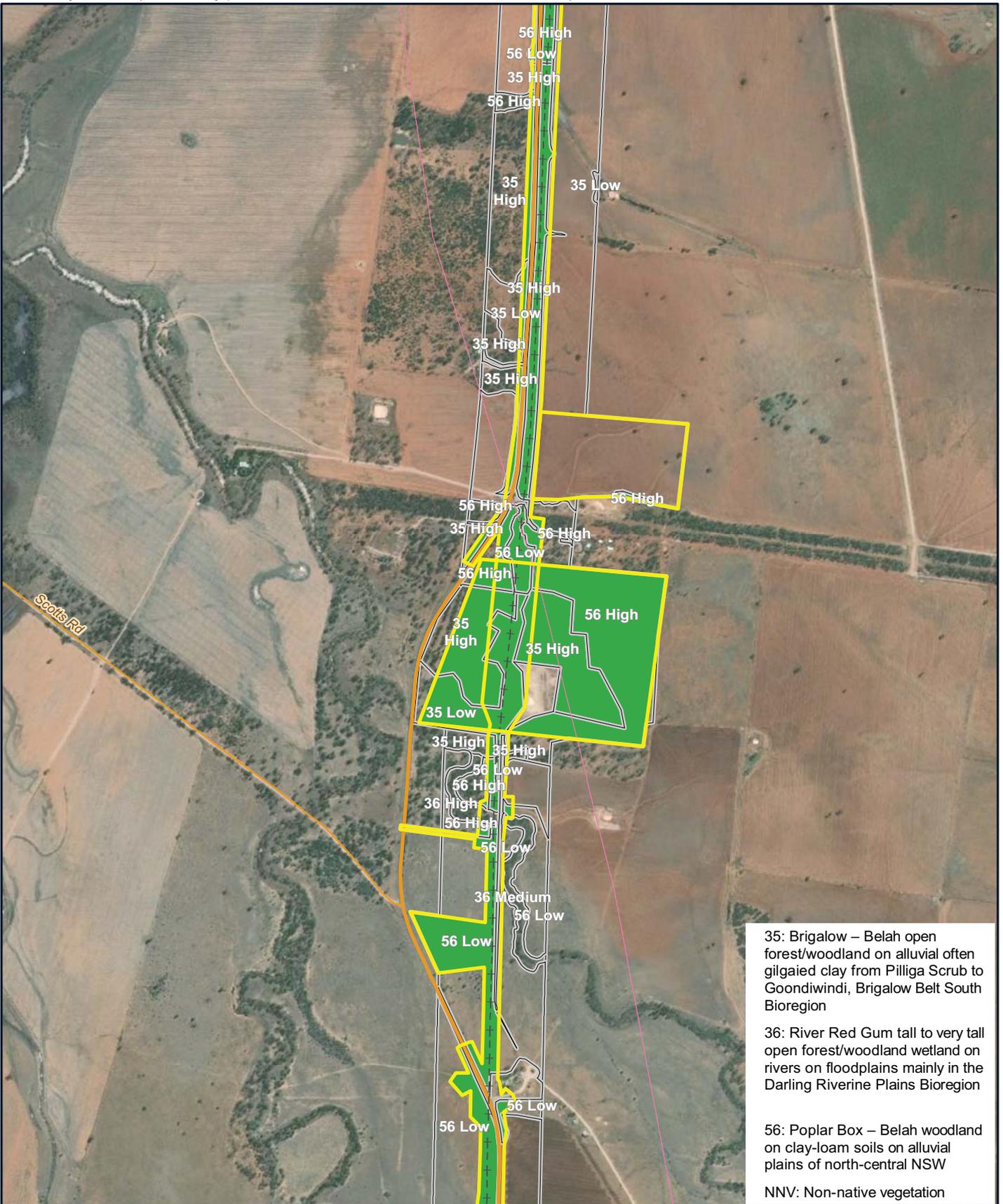


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 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Dichanthium setosum* (Bluegrass)

Map by: MFD/TH/IGN_Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_Lbiodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_fiora_v2.mxd Date: 10/07/2020 09:59



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



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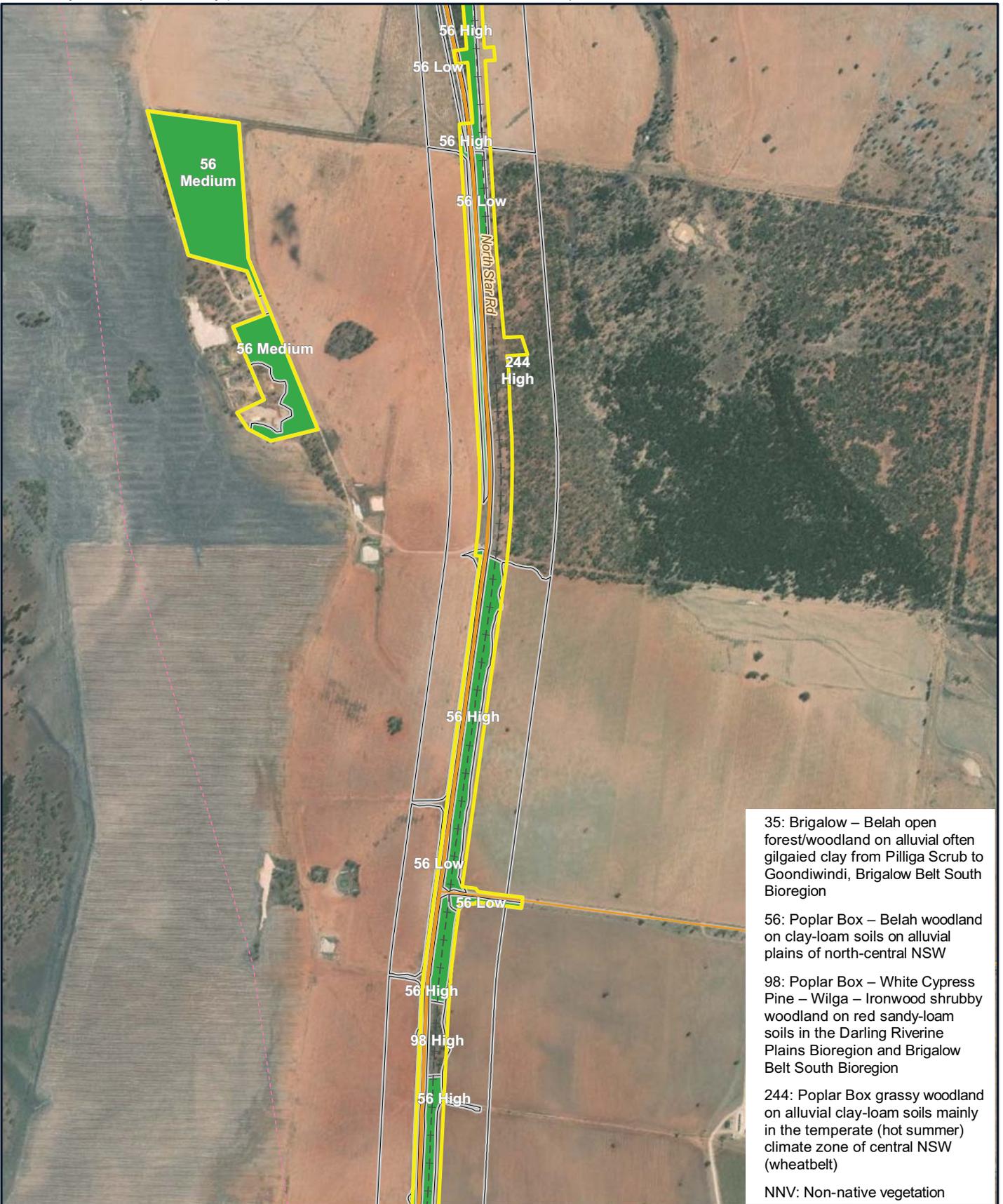


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NORTH STAR TO NSW/QLD BORDER

Map A.8: *Dichanthium setosum* (Bluegrass)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_fiora_v2.mxd Date: 10/07/2020 09:59



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

98: Poplar Box – White Cypress Pine – Wilga – Ironwood shrubby woodland on red sandy-loam soils in the Darling Riverine Plains Bioregion and Brigalow Belt South Bioregion

244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)

NNV: Non-native vegetation

Legend

- + - Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



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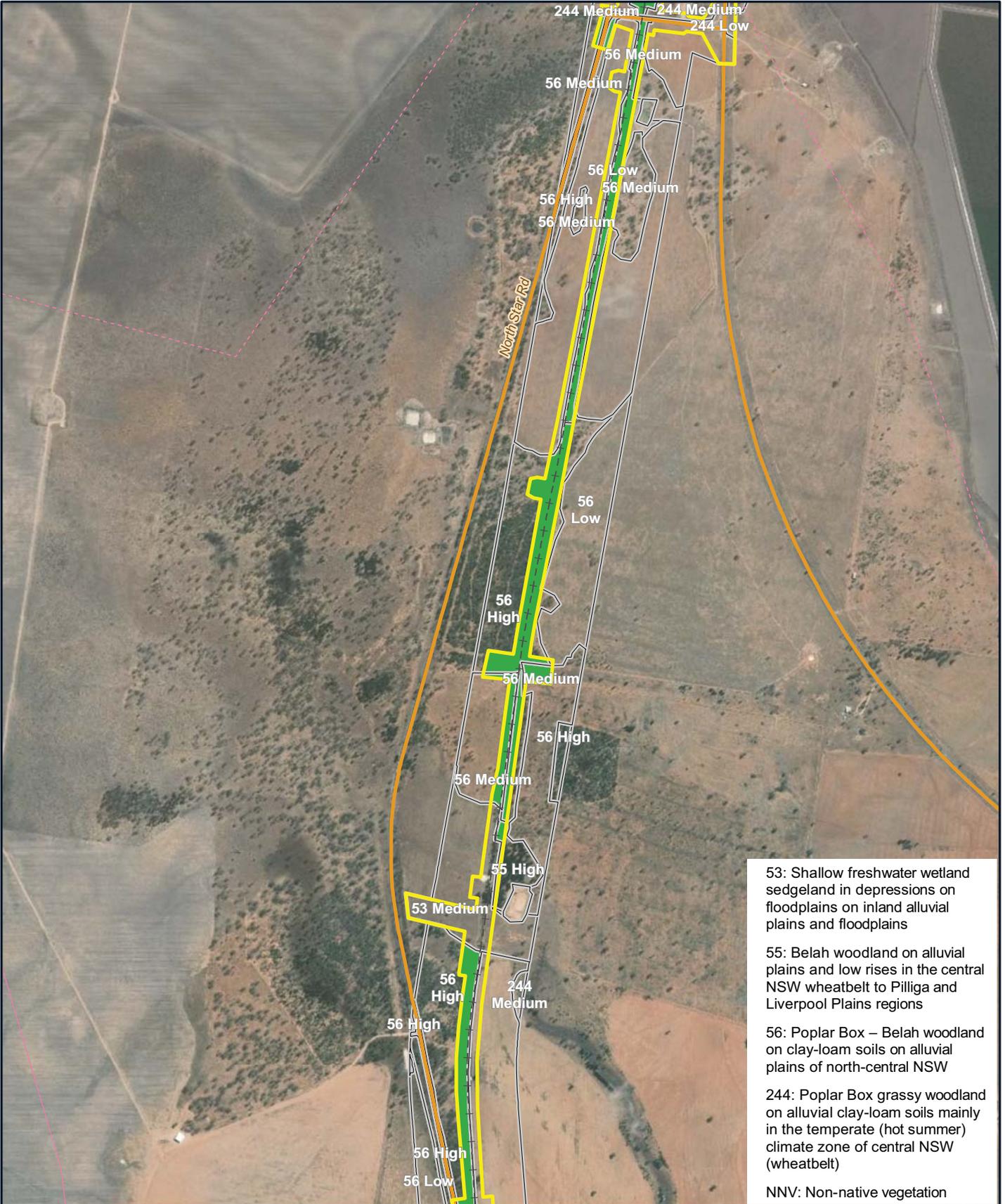


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 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Dichanthium setosum* (Bluegrass)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_Lbiodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS flora_v2.mxd Date: 10/07/2020 09:59



- 53: Shallow freshwater wetland sedgeland in depressions on floodplains on inland alluvial plains and floodplains
- 55: Belah woodland on alluvial plains and low rises in the central NSW wheatbelt to Pilliga and Liverpool Plains regions
- 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
- 244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
- NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



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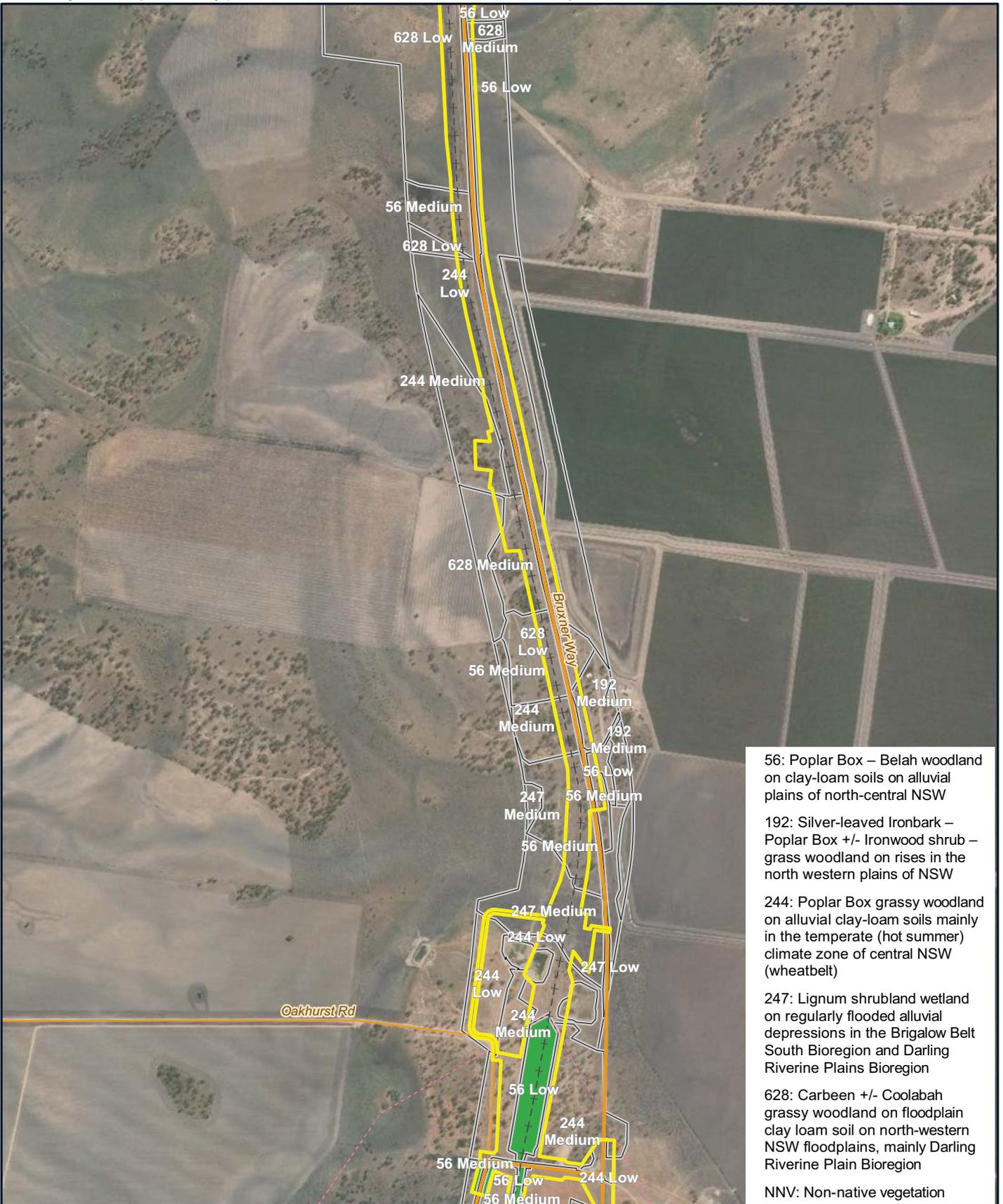


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Dichanthium setosum* (Bluegrass)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Lbiodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_flores_v2.mxd Date: 10/07/2020 10:00



56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
 192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW
 244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
 247: Lignum shrubland wetland on regularly flooded alluvial depressions in the Brigalow Belt South Bioregion and Darling Riverine Plains Bioregion
 628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion
 NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

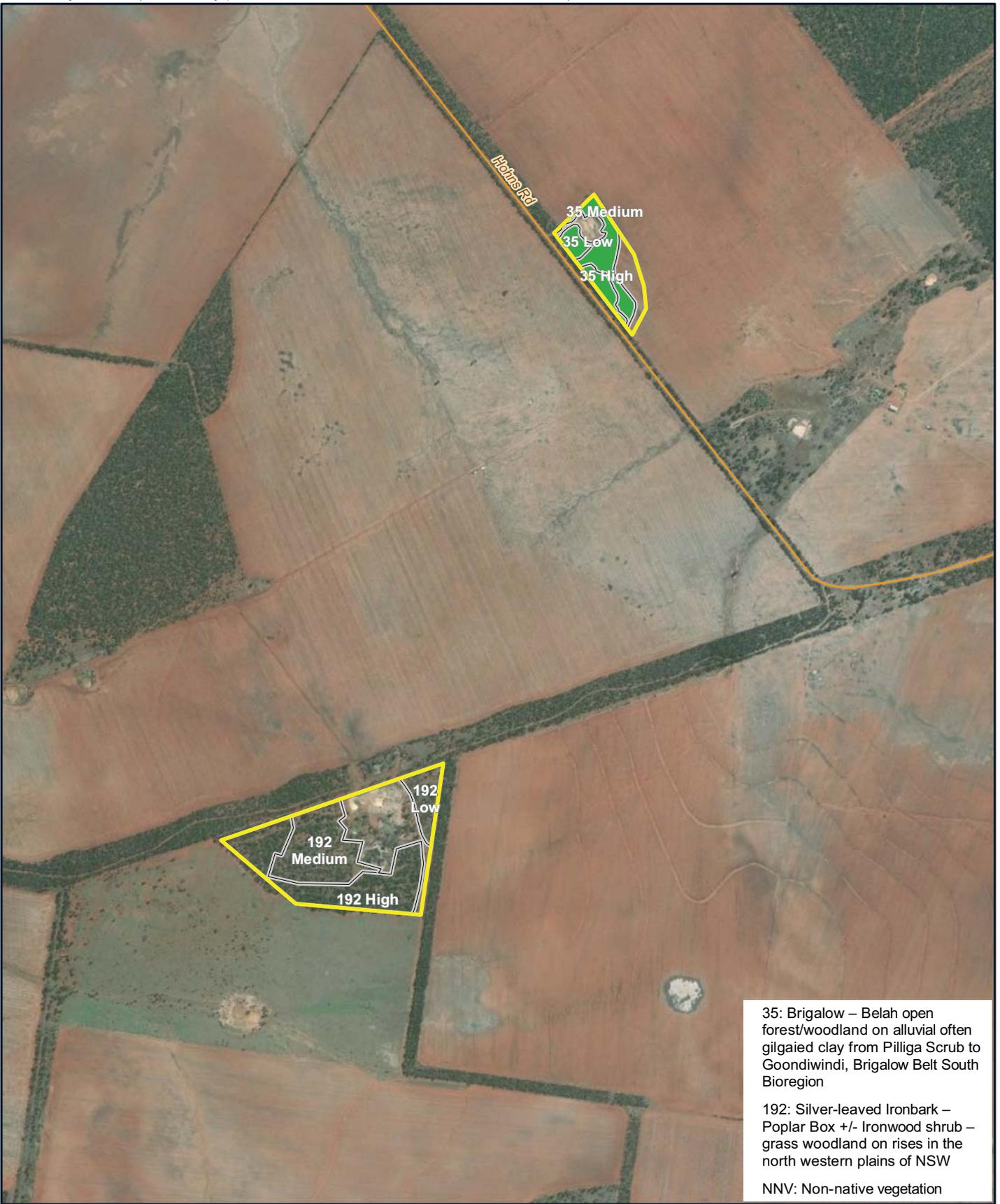
Legend

-  Major roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



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35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW

NNV: Non-native vegetation

Legend

-  Minor roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



A4 scale: 1:20,000
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Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Dichanthium setosum* (Bluegrass)

Map by: MFD/TH/IGN Z:\GIS\GIS_270_NSZB\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_flora_v2.mxd Date: 10/07/2020 10:00



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

NNV: Non-native vegetation

Legend

- Major roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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NORTH STAR TO NSW/QLD BORDER

Map A.8: *Dichanthium setosum* (Bluegrass)

Map by: MFD/TH/IGN_Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_flores_v2.mxd Date: 10/07/2020 10:00



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
 NNV: Non-native vegetation

Legend

-  Minor roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
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-  Subject land



A4 scale: 1:20,000
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35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

NNV: Non-native vegetation

Legend

-  Minor roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



A4 scale: 1:20,000
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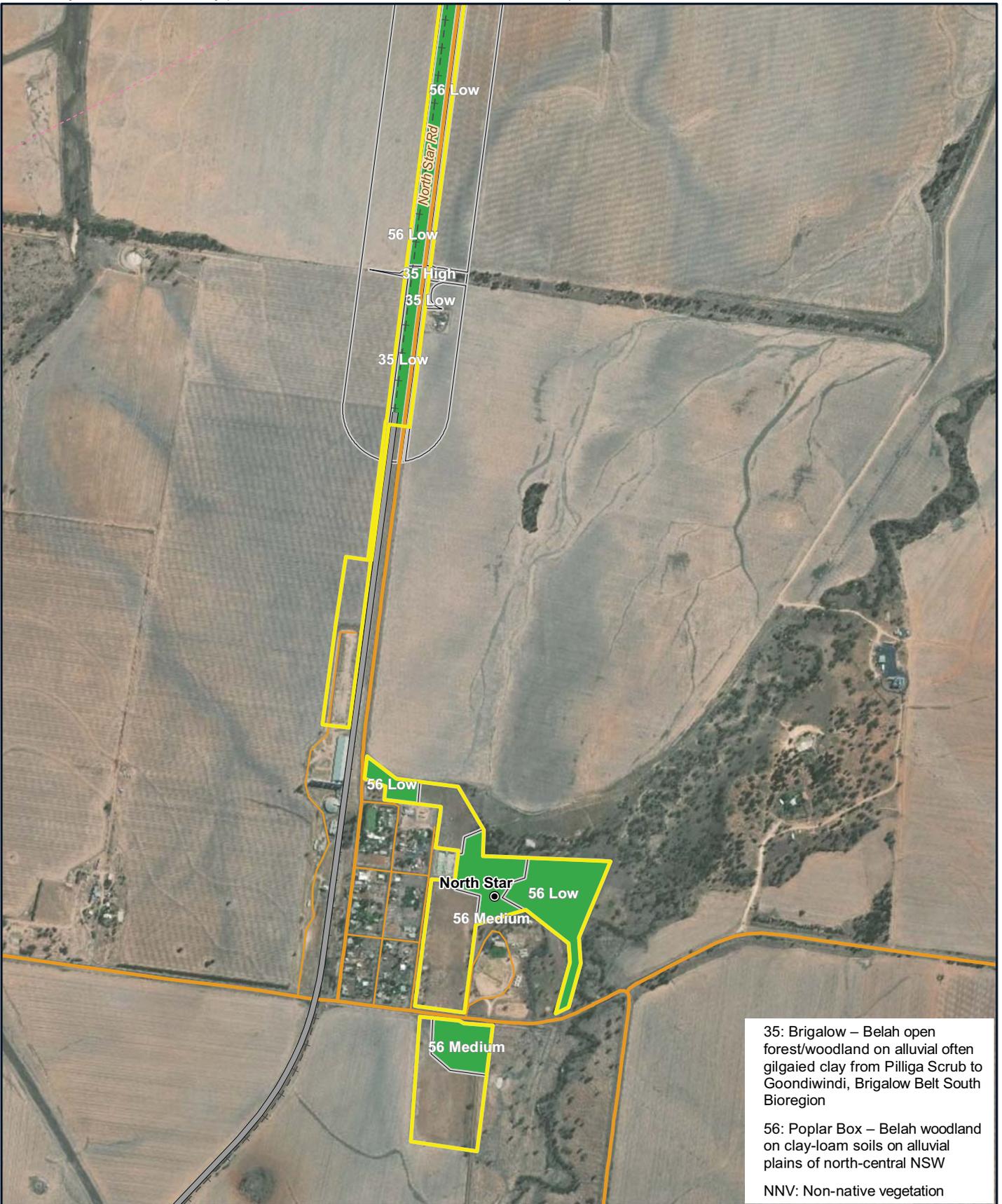


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NORTH STAR TO NSW/QLD BORDER

Map A.8: *Dichanthium setosum* (Bluegrass)

Map by: MFD TH/IGN_Z:\GIS\GIS_270_NS2BTasks\270-EAP-202007011428_GIS_Terrestrial_L_biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_flores_v2.mxd Date: 10/07/2020 10:00



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

NNV: Non-native vegetation

Legend

- Localities
- +- Existing rail (non-operational)
- Adjoining alignments
- Major roads
- Minor roads
- Species-credit species
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- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Digitaria porrecta* (Finger panic grass)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2BTasks\270-EAP-202007011428_GIS_Terrestrial_biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:00



27: Weeping Myall open woodland of the Darling Riverine Plains Bioregion and Brigalow Belt South Bioregion

36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

NNV: Non-native vegetation
 Scattered paddock trees

Legend

- +— Existing rail (operational)
- +- Existing rail (non-operational)
- Major roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



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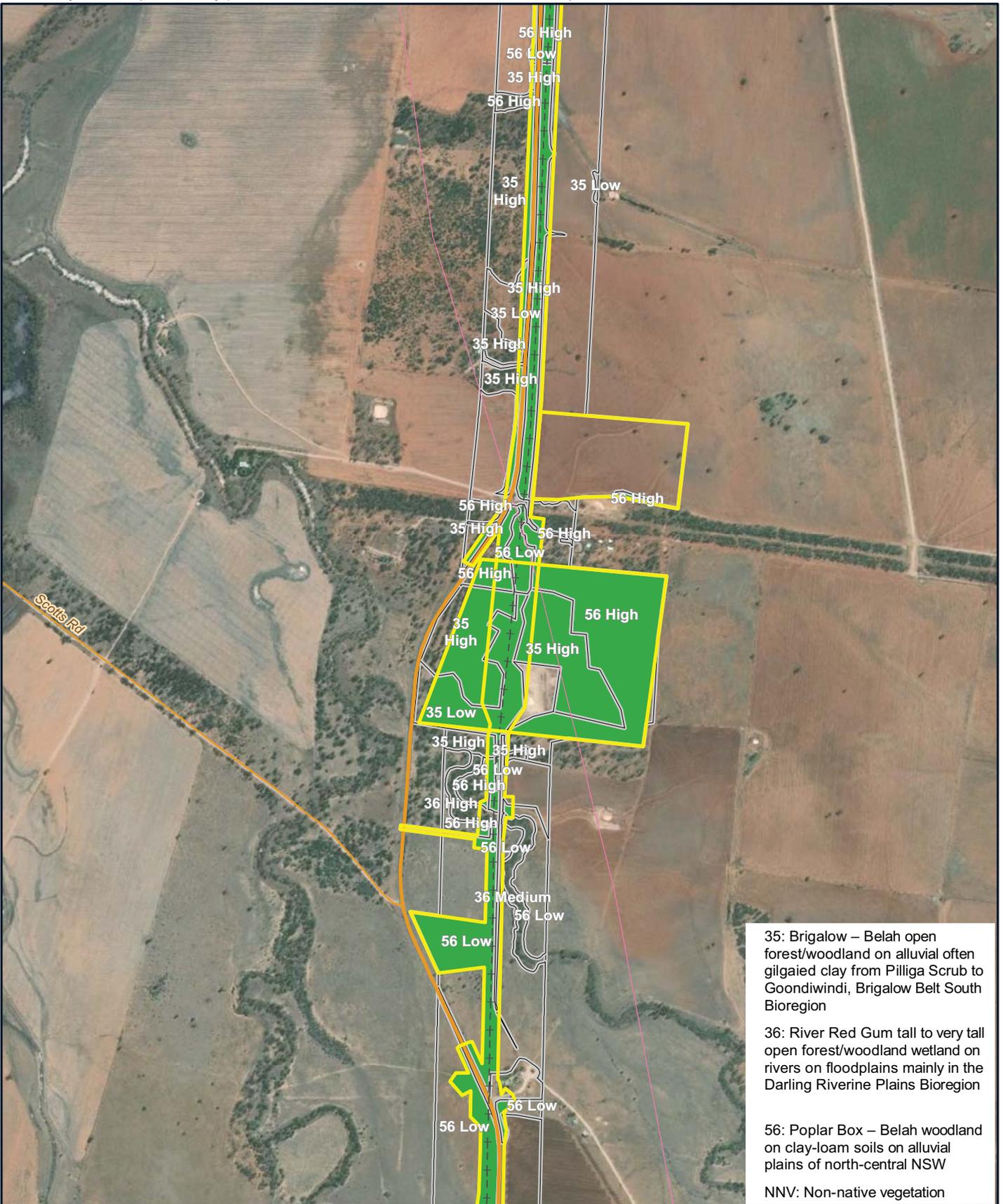


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Digitaria porrecta* (Finger panic grass)

Map by: MFD/TH/IGN_Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_Lbiodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_fiora_v2.mxd Date: 10/07/2020 10:00



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



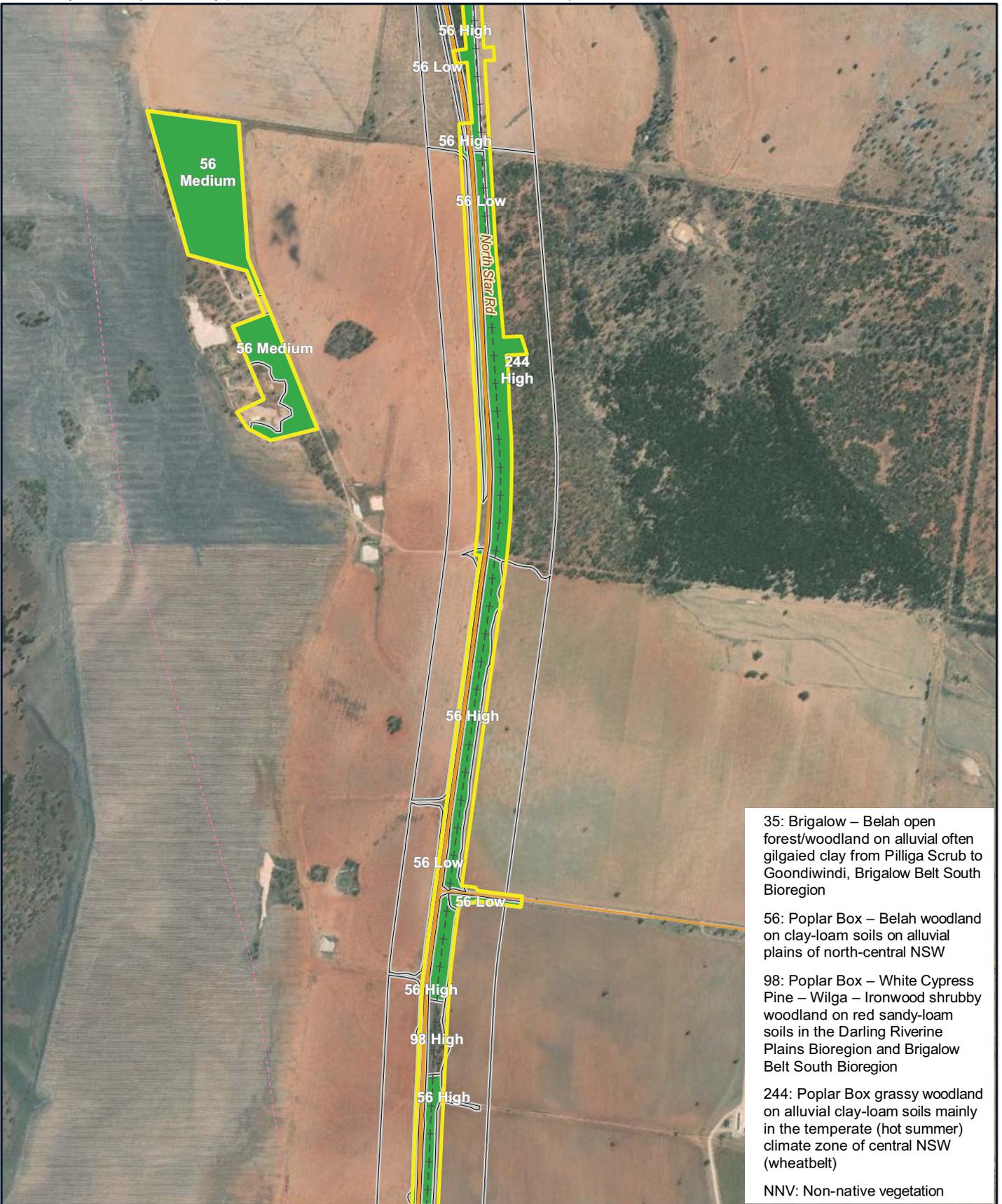
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Date: 10/07/2020 Version: 2
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NORTH STAR TO NSW/QLD BORDER

Map A.8: *Digitaria porrecta* (Finger panic grass)



Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_fiora_v2.mxd Date: 10/07/2020 10:00

35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

98: Poplar Box – White Cypress Pine – Wilga – Ironwood shrubby woodland on red sandy-loam soils in the Darling Riverine Plains Bioregion and Brigalow Belt South Bioregion

244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)

NNV: Non-native vegetation

Legend

- + - Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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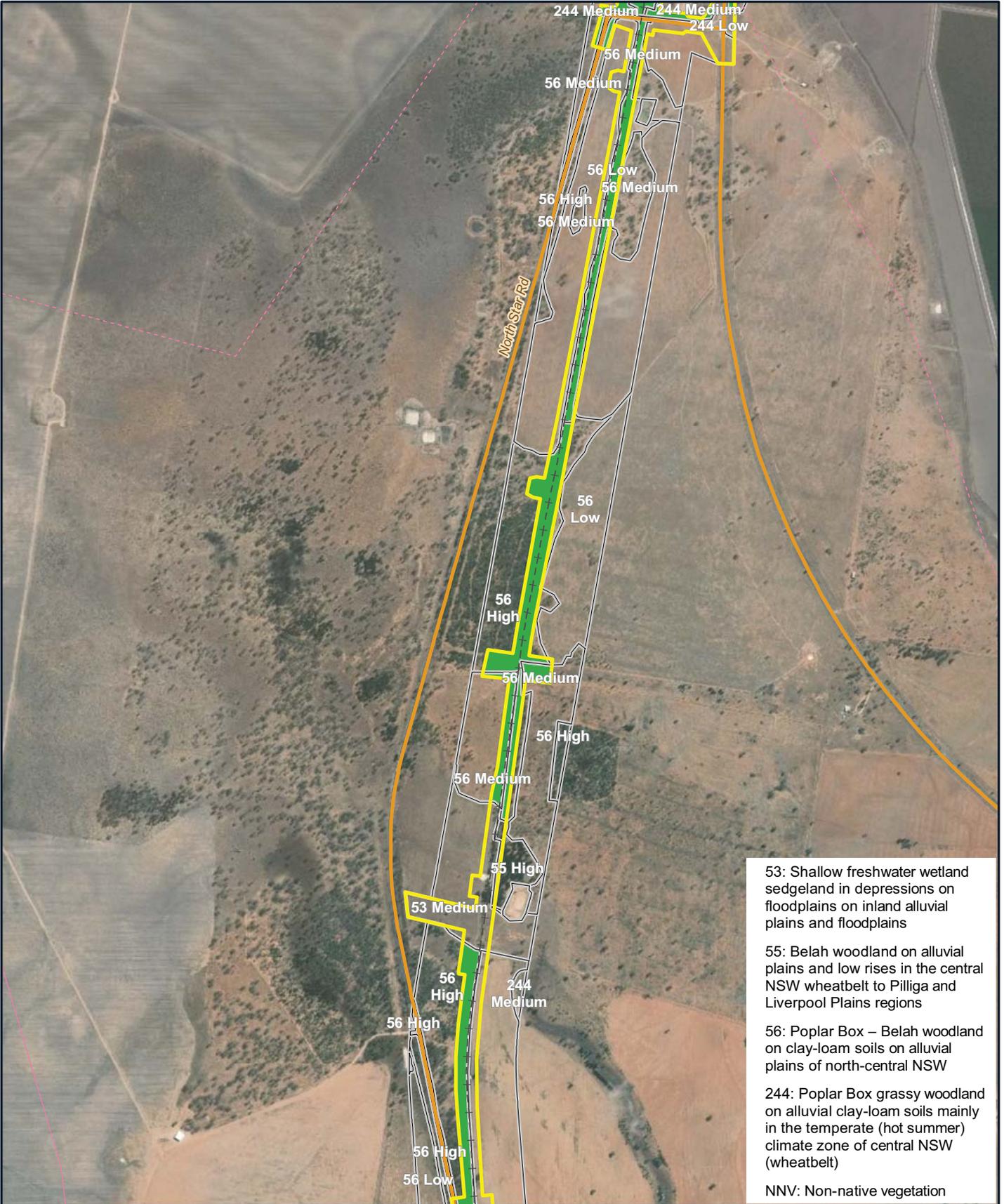


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NORTH STAR TO NSW/QLD BORDER

Map A.8: *Digitaria porrecta* (Finger panic grass)

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- 53: Shallow freshwater wetland sedgeland in depressions on floodplains on inland alluvial plains and floodplains
- 55: Belah woodland on alluvial plains and low rises in the central NSW wheatbelt to Pilliga and Liverpool Plains regions
- 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
- 244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
- NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
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A4 scale: 1:20,000
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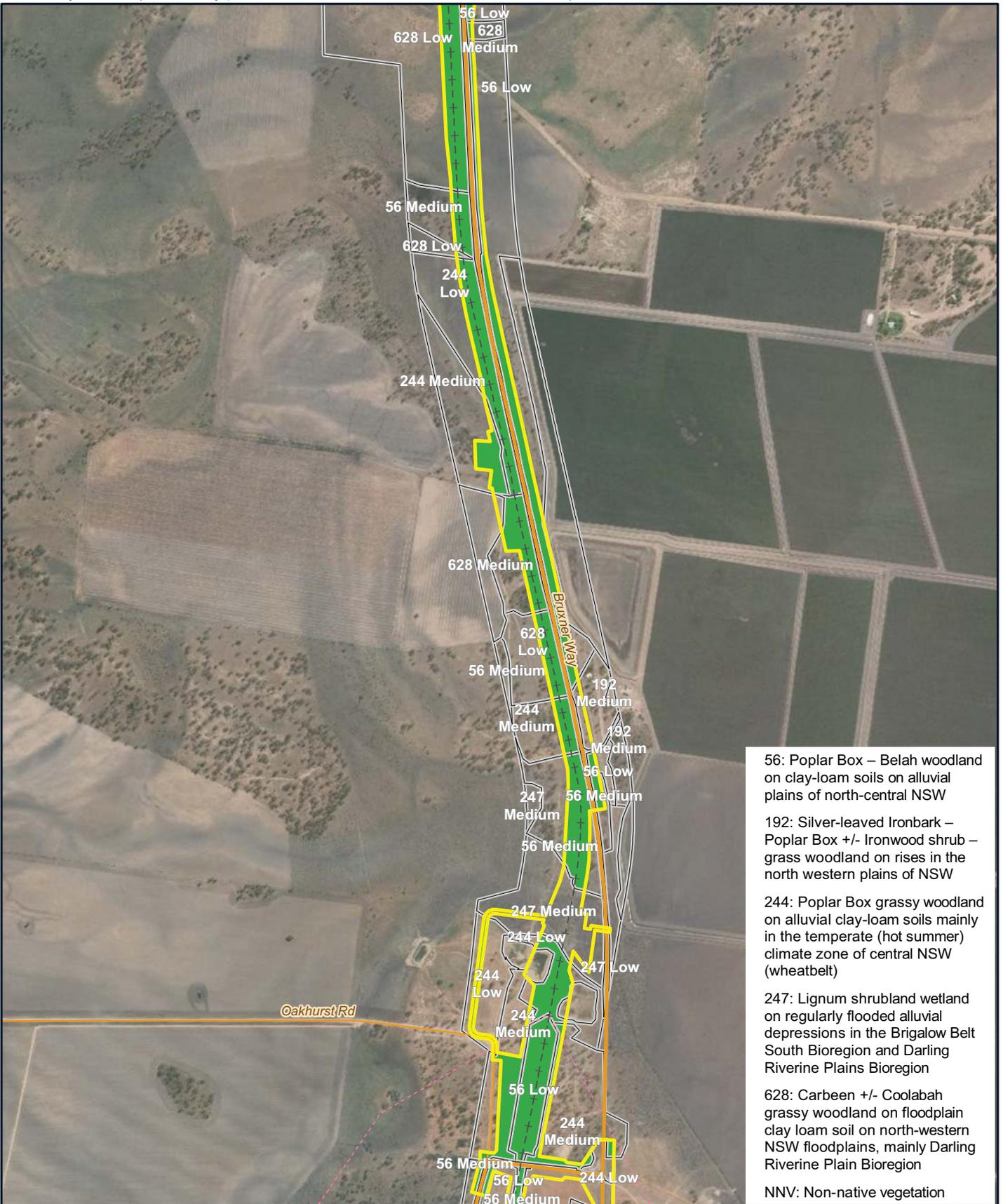


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Digitaria porrecta* (Finger panic grass)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Lbiodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:00



- 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
- 192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW
- 244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
- 247: Lignum shrubland wetland on regularly flooded alluvial depressions in the Brigalow Belt South Bioregion and Darling Riverine Plains Bioregion
- 628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion
- NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



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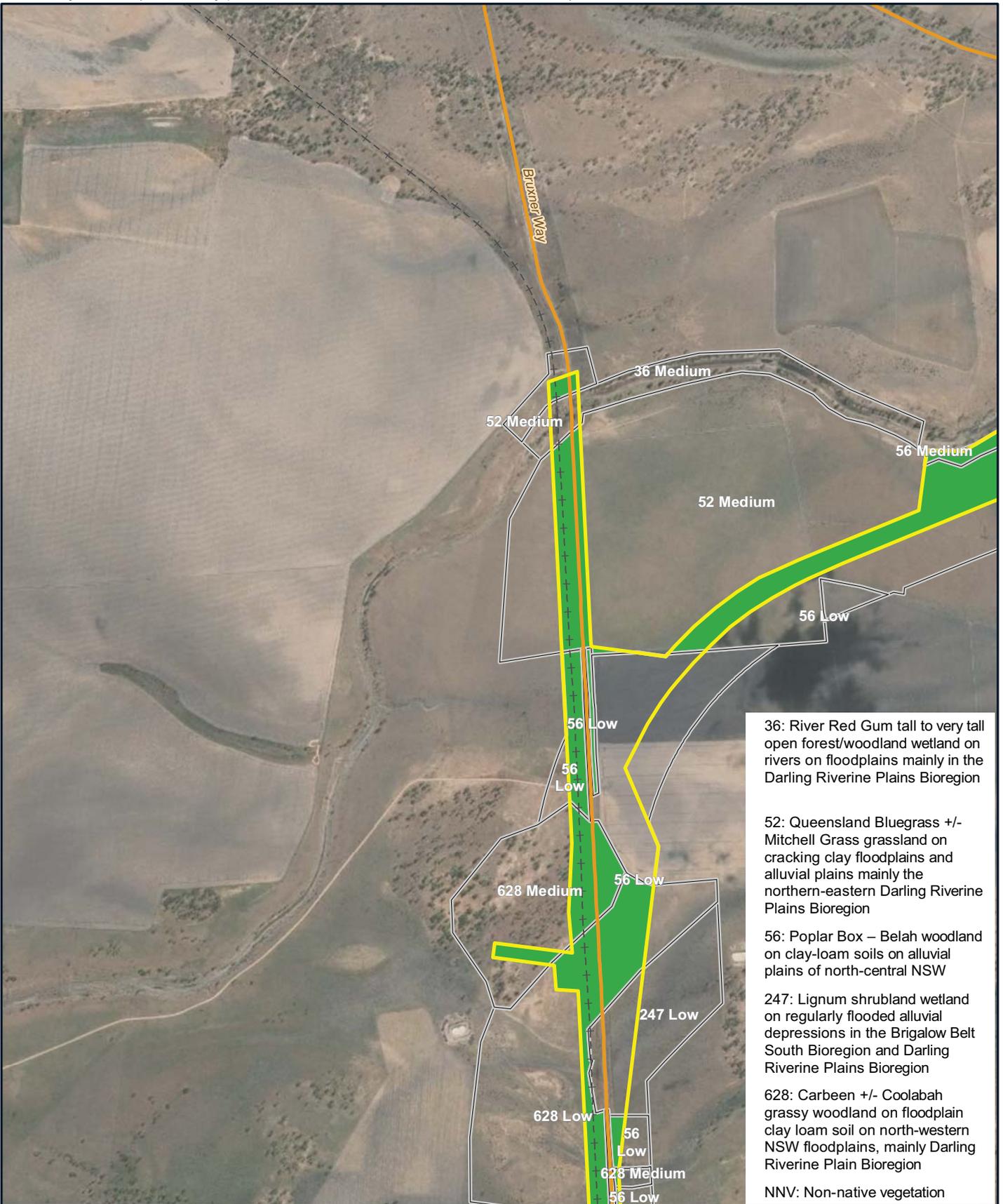


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Digitaria porrecta* (Finger panic grass)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_L_biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:01



36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion

52: Queensland Bluegrass +/- Mitchell Grass grassland on cracking clay floodplains and alluvial plains mainly the northern-eastern Darling Riverine Plains Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

247: Lignum shrubland wetland on regularly flooded alluvial depressions in the Brigalow Belt South Bioregion and Darling Riverine Plains Bioregion

628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion

NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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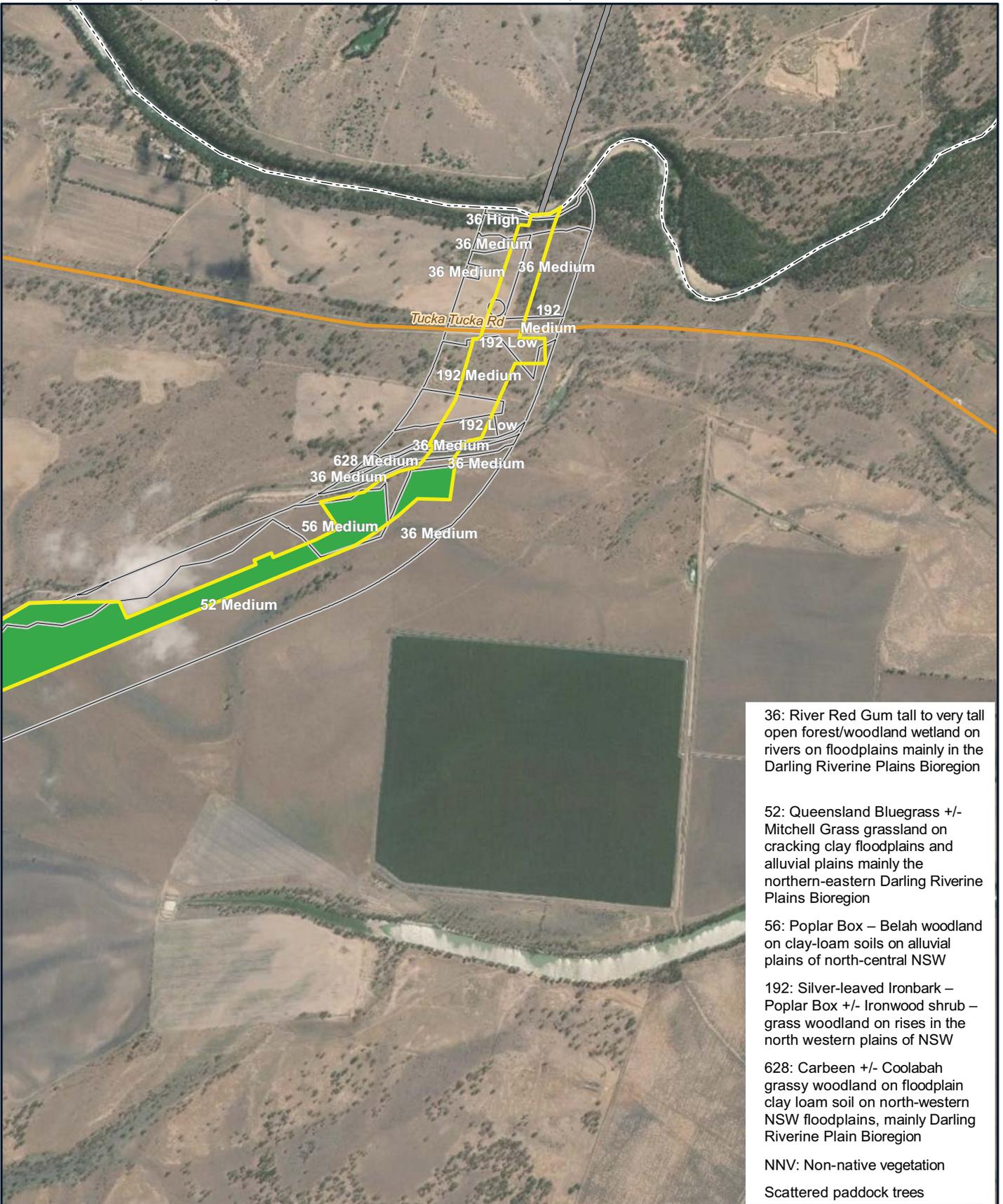


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Digitaria porrecta* (Finger panic grass)

Map by: MFD/TH/IGN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrrestrial_Biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:01



36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion

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192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW

628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion

NNV: Non-native vegetation
 Scattered paddock trees

Legend

- Major roads
- NSW/QLD border
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



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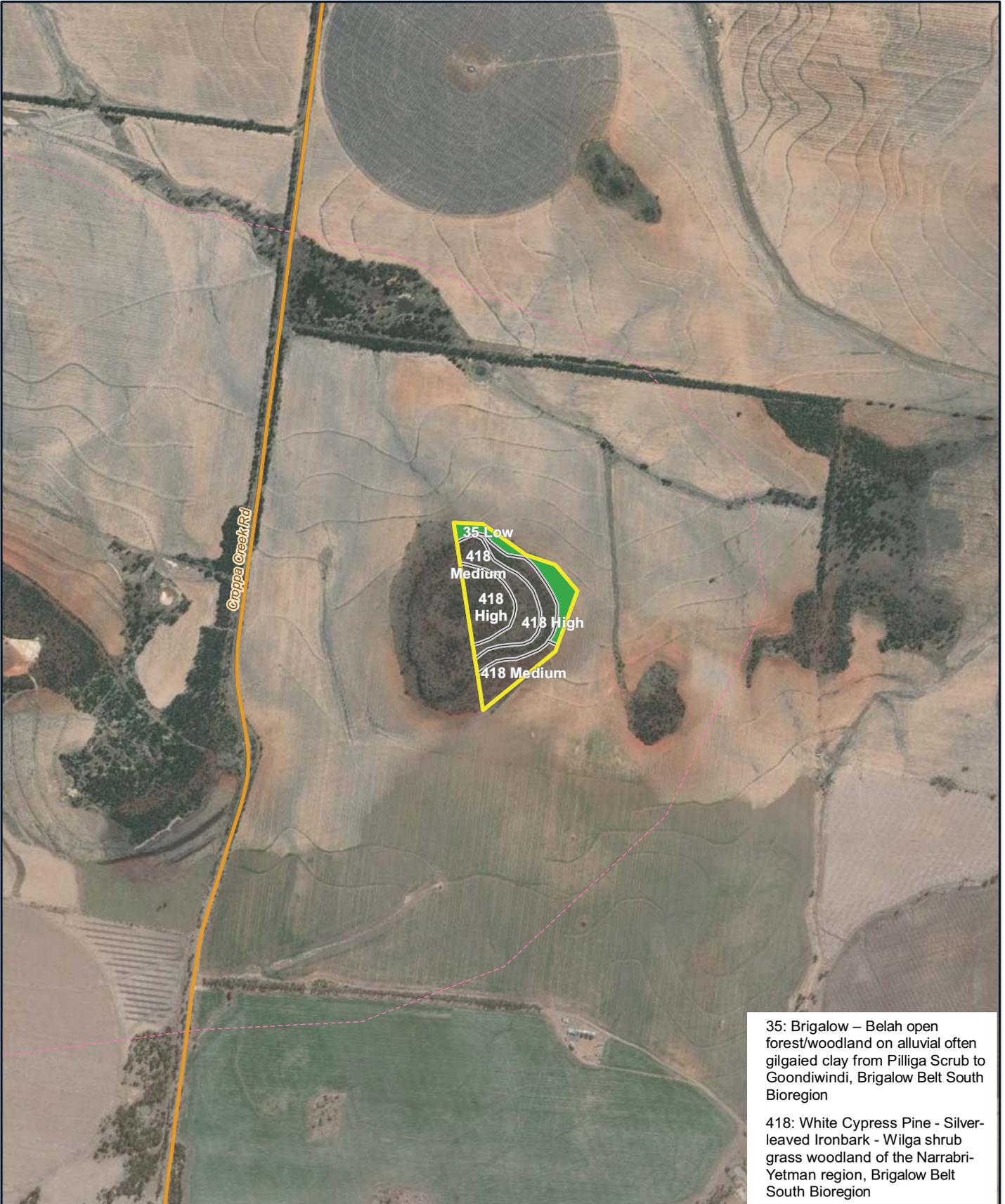


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Digitaria porrecta* (Finger panic grass)

Map by: MFD/TH/IGN_Z:\GIS\GIS_270_NSZB\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Lbiodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_flova_v2.mxd Date: 10/07/2020 10:01



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

Legend

-  Major roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



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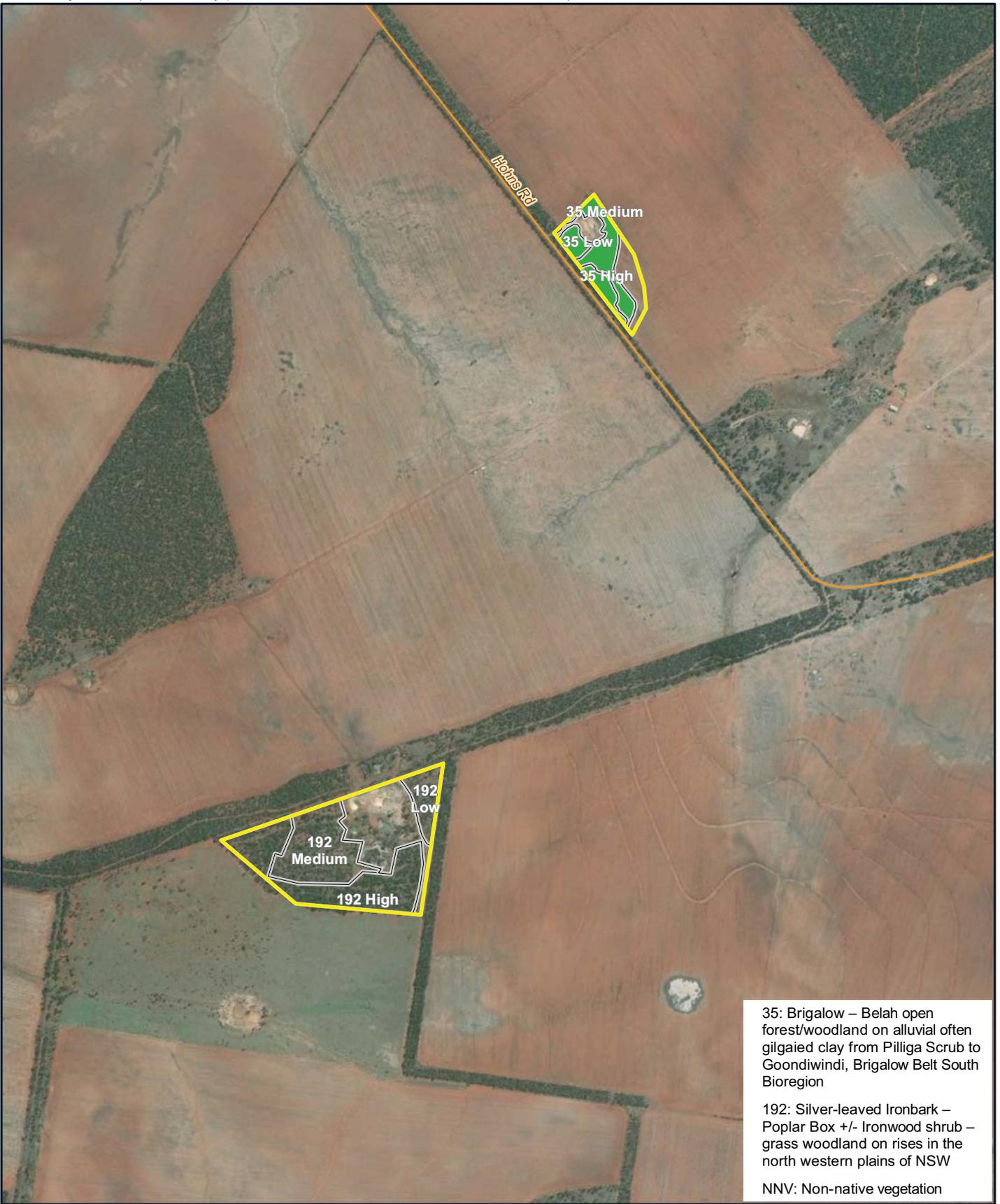


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Digitaria porrecta* (Finger panic grass)

Map by: MFD/TH/IGN_Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_flores_v2.mxd Date: 10/07/2020 10:01



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW

NNV: Non-native vegetation

Legend

- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



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Date: 10/07/2020 Version: 2
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NORTH STAR TO NSW/QLD BORDER

Map A.8: *Digitaria porrecta* (Finger panic grass)

Map by: MFD/TH/IGN Z:\GIS\GIS_270_NSZBTasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:01



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

NNV: Non-native vegetation

Legend

-  Major roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



A4 scale: 1:20,000
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Date: 10/07/2020 Version: 2
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NORTH STAR TO NSW/QLD BORDER

**Map A.8: *Digitaria porrecta*
 (Finger panic grass)**

Map by: MFD/TH/IGN_Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_flores_v2.mxd Date: 10/07/2020 10:01



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
 NNV: Non-native vegetation

Legend

-  Minor roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



A4 scale: 1:20,000
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Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

**Map A.8: *Digitaria porrecta*
 (Finger panic grass)**

Map by: MFD/TH/IGN_Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:01



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

NNV: Non-native vegetation

Legend

-  Minor roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



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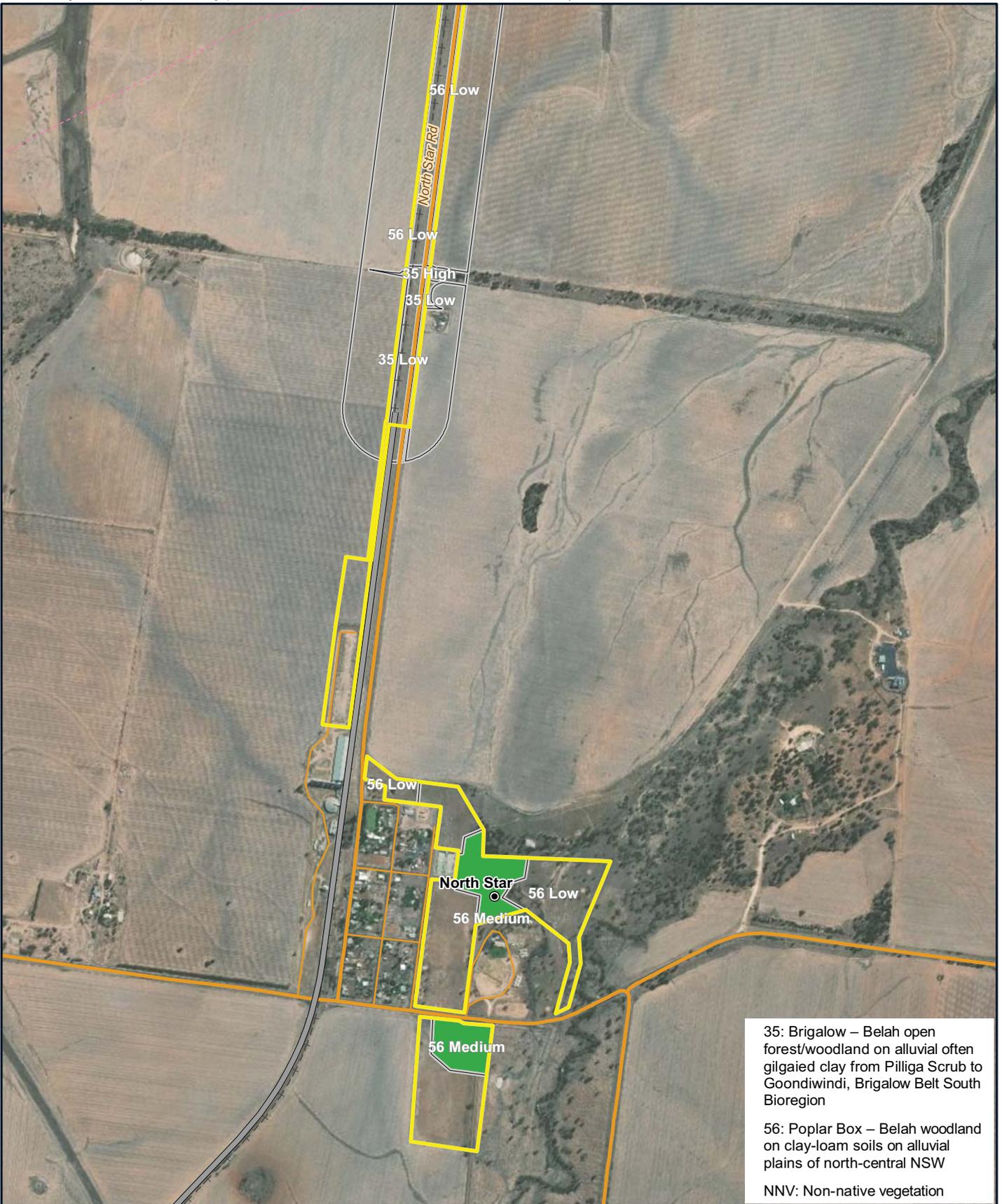


Date: 10/07/2020 Version: 2
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NORTH STAR TO NSW/QLD BORDER

Map A.8: *Digitaria porrecta* (Finger panic grass)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_flores_v2.mxd Date: 10/07/2020 10:01



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
 NNV: Non-native vegetation

Legend

- Localities
- +- Existing rail (non-operational)
- Adjoining alignments
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



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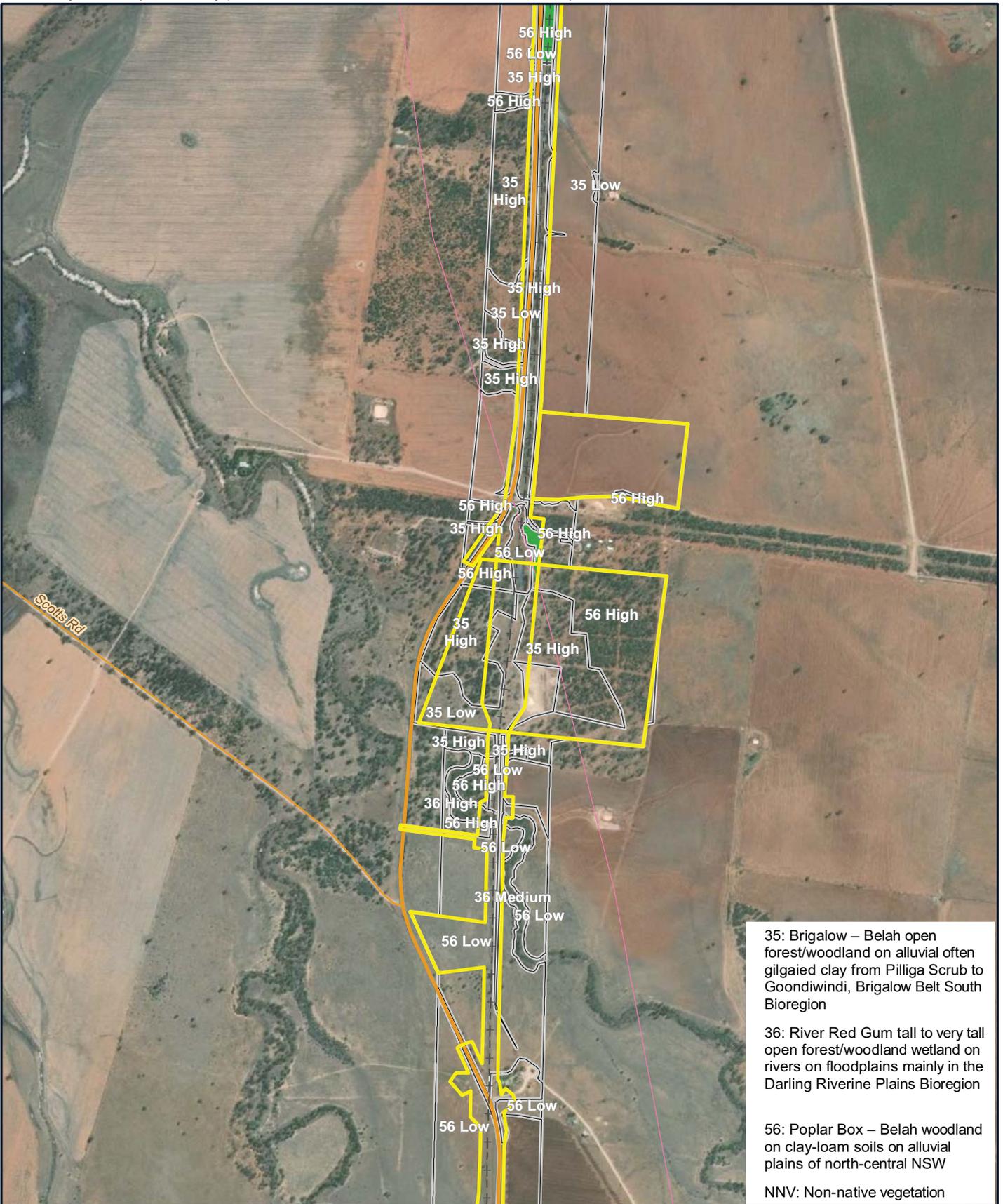


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Diuris tricolor* (Pine donkey orchid)

Map by: MFD/TH/IGN_Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_Lbiodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS flora_v2.mxd Date: 10/07/2020 10:01



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



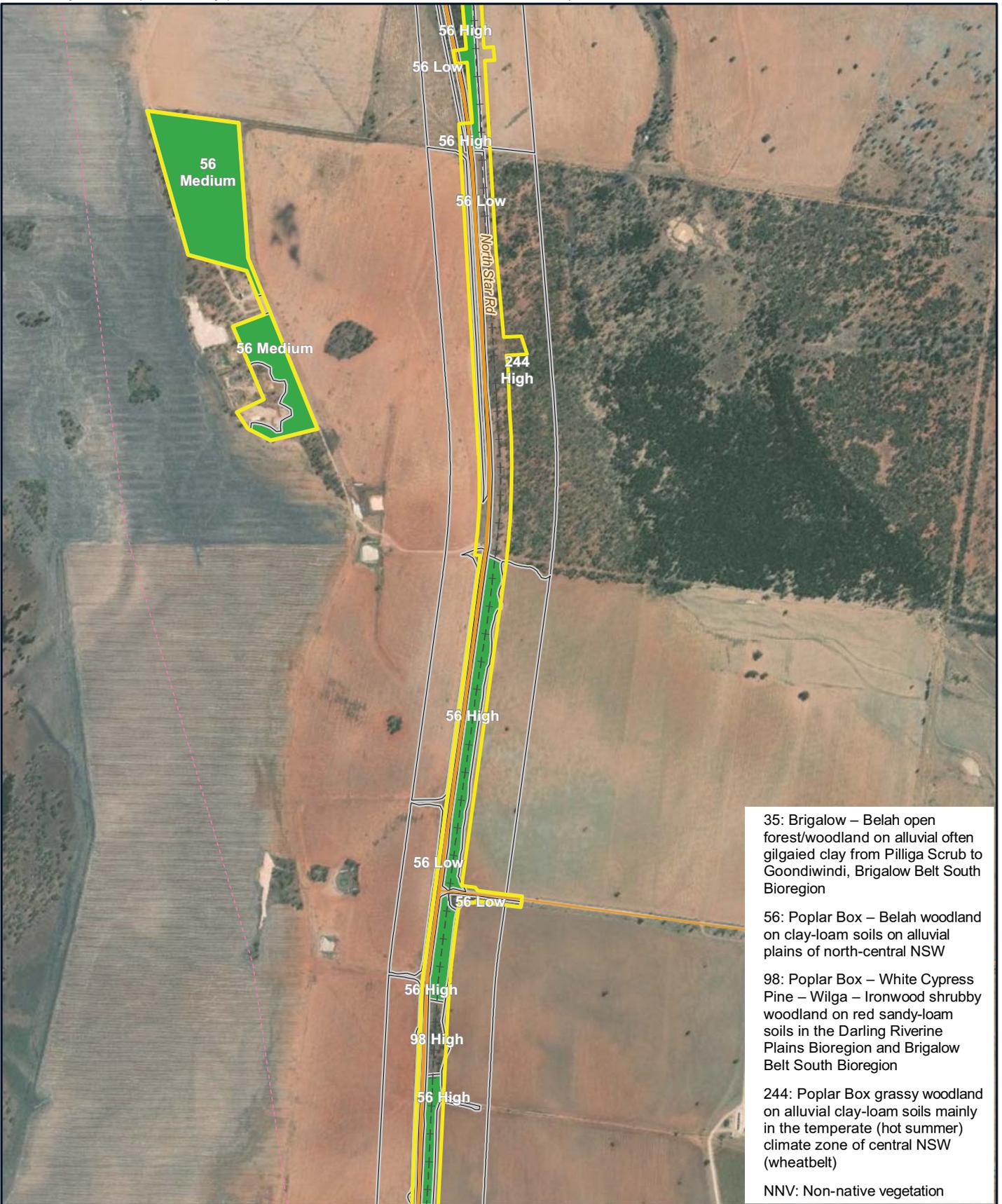
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Date: 10/07/2020 Version: 2
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NORTH STAR TO NSW/QLD BORDER

Map A.8: *Diuris tricolor* (Pine donkey orchid)



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

98: Poplar Box – White Cypress Pine – Wilga – Ironwood shrubby woodland on red sandy-loam soils in the Darling Riverine Plains Bioregion and Brigalow Belt South Bioregion

244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)

NNV: Non-native vegetation

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_fiora_v2.mxd Date: 10/07/2020 10:01

Legend

- + - Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



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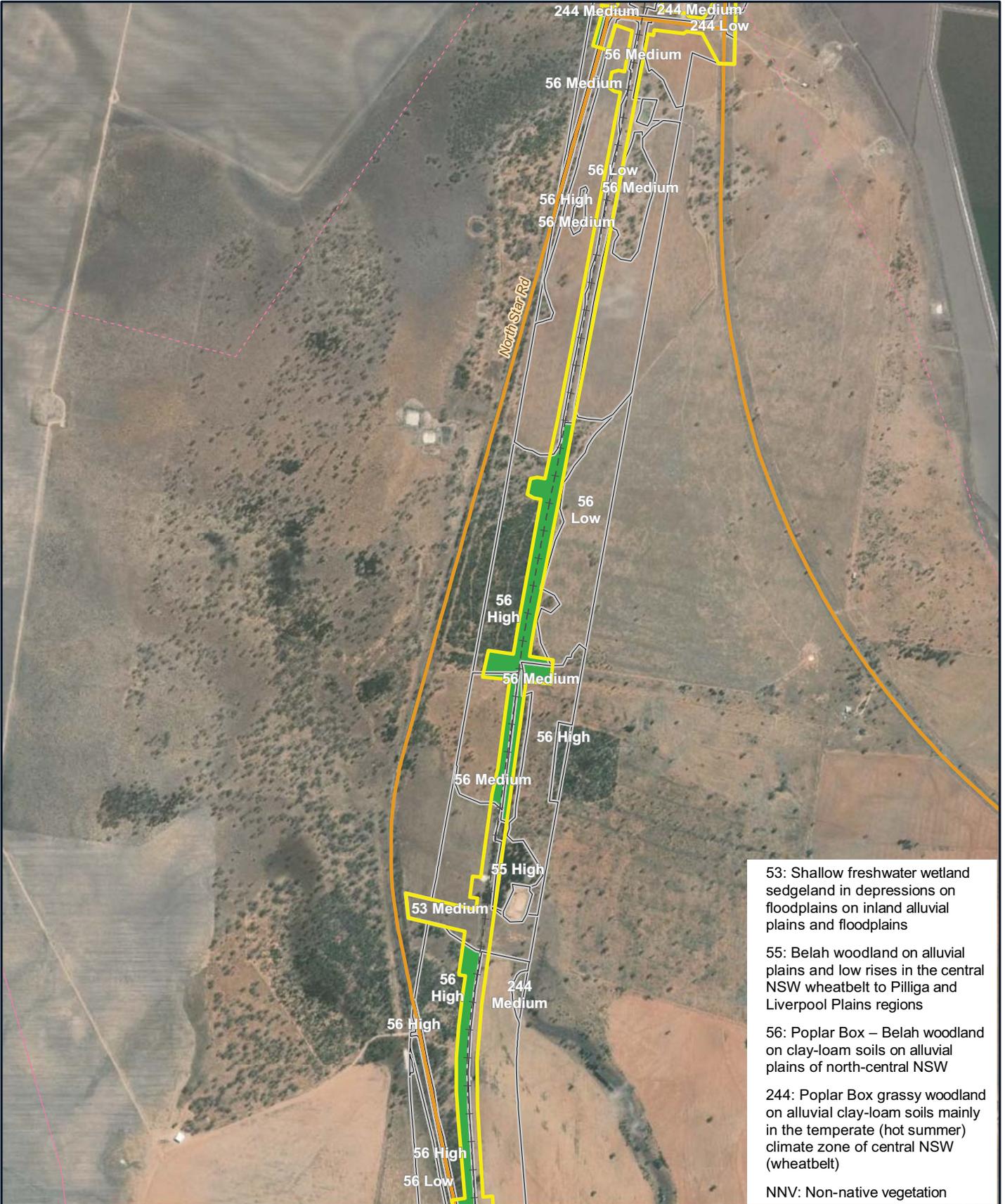


Date: 10/07/2020 Version: 2
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NORTH STAR TO NSW/QLD BORDER

Map A.8: *Diuris tricolor* (Pine donkey orchid)

Map by: MFD/TH/IGN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Lbiodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS flora_v2.mxd Date: 10/07/2020 10:01



- 53: Shallow freshwater wetland sedgeland in depressions on floodplains on inland alluvial plains and floodplains
- 55: Belah woodland on alluvial plains and low rises in the central NSW wheatbelt to Pilliga and Liverpool Plains regions
- 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
- 244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
- NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



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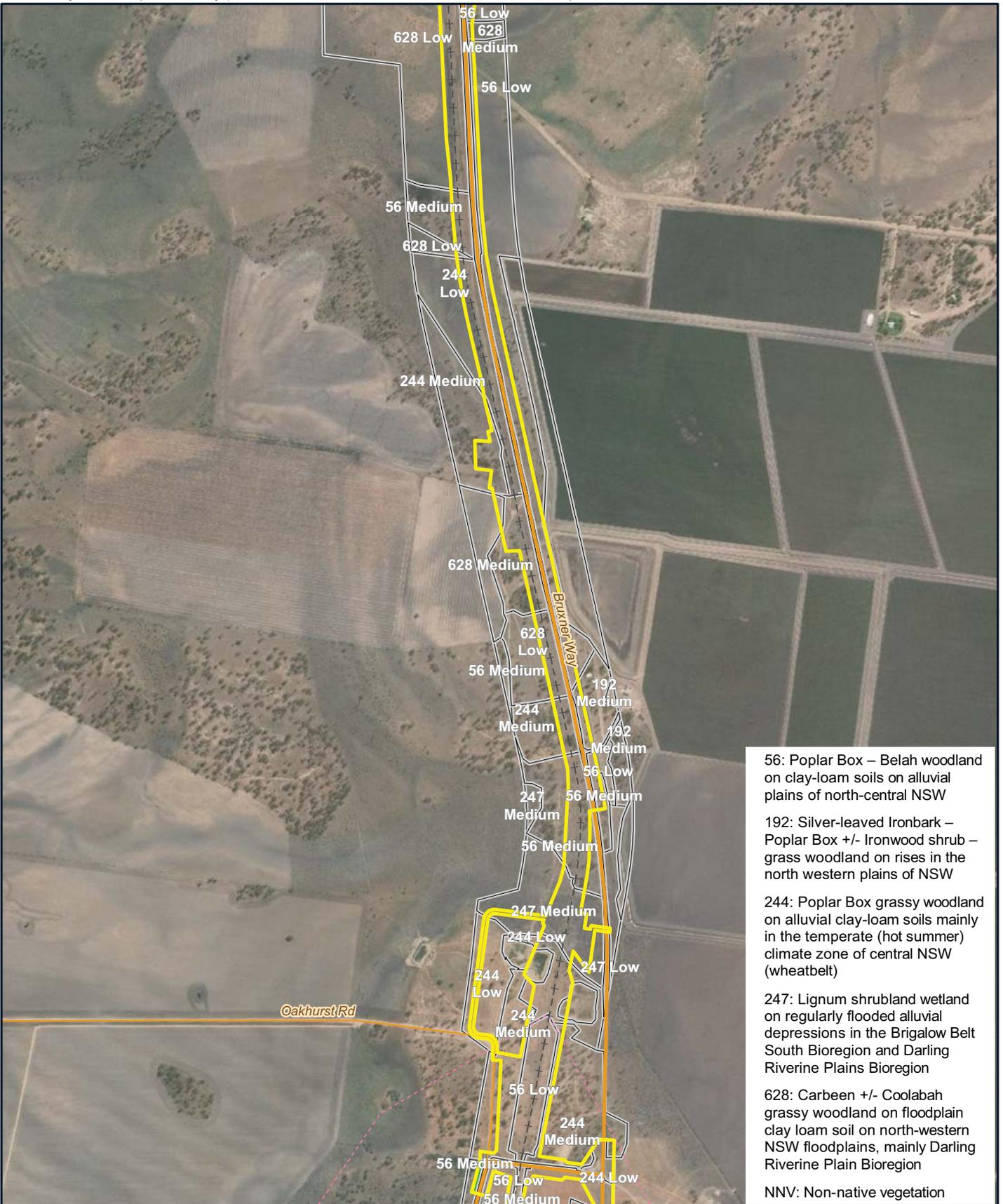


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Diuris tricolor* (Pine donkey orchid)

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- 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
- 192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW
- 244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
- 247: Lignum shrubland wetland on regularly flooded alluvial depressions in the Brigalow Belt South Bioregion and Darling Riverine Plains Bioregion
- 628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion
- NNV: Non-native vegetation

Legend

- + - Existing rail (non-operational)
- Species-credit species
- Major roads
- Fieldwork PCT (to fieldwork extent)
- Minor roads
- IBRA 7 sub-region boundary
- Subject land



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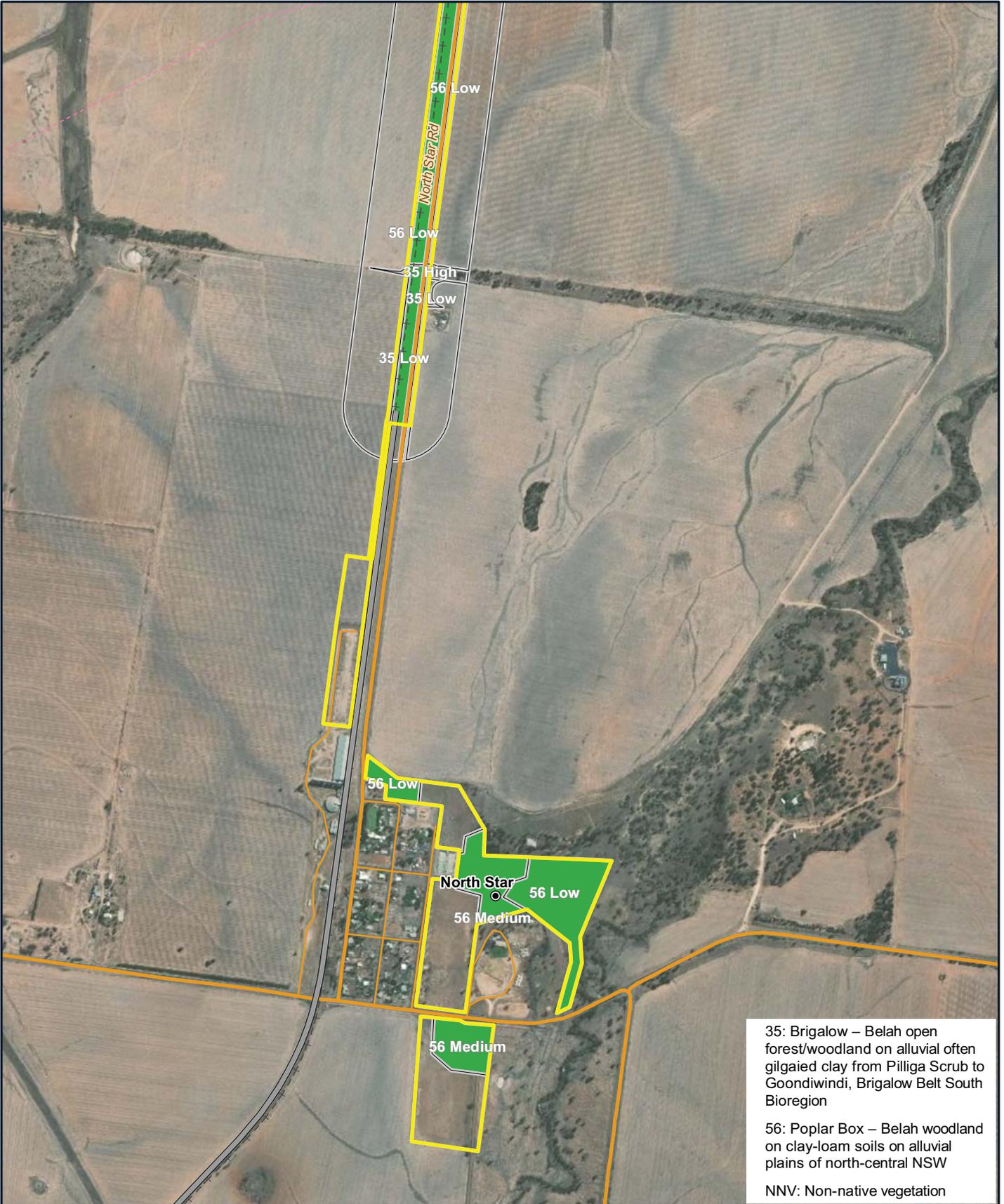


Date: 10/07/2020 Version: 2
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NORTH STAR TO NSW/QLD BORDER

Map A.8: *Diuris tricolor* (Pine donkey orchid)

Map by: MFD TH/IGN_Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_L_biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:02



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
 NNV: Non-native vegetation

Legend

- Localities
- +- Existing rail (non-operational)
- ▬ Adjoining alignments
- ▬ Major roads
- ▬ Minor roads
- Species-credit species
- ▭ Fieldwork PCT (to fieldwork extent)
- ▭ IBRA 7 sub-region boundary
- ▭ Subject land



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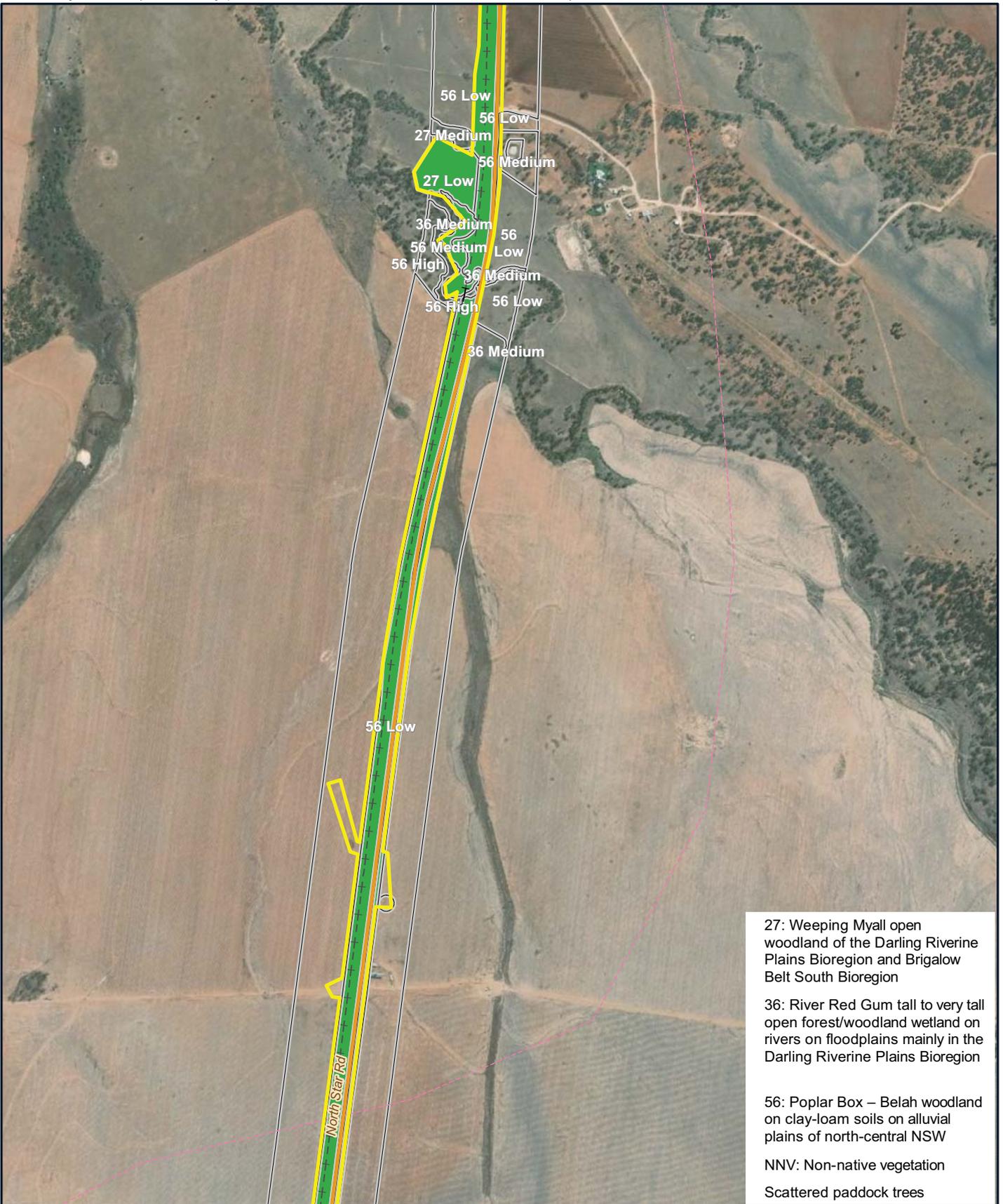


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Homopholis belsonii* (Belson's panic)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2BT\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:02



27: Weeping Myall open woodland of the Darling Riverine Plains Bioregion and Brigalow Belt South Bioregion

36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

NNV: Non-native vegetation
 Scattered paddock trees

Legend

- +— Existing rail (operational)
- +- Existing rail (non-operational)
- Major roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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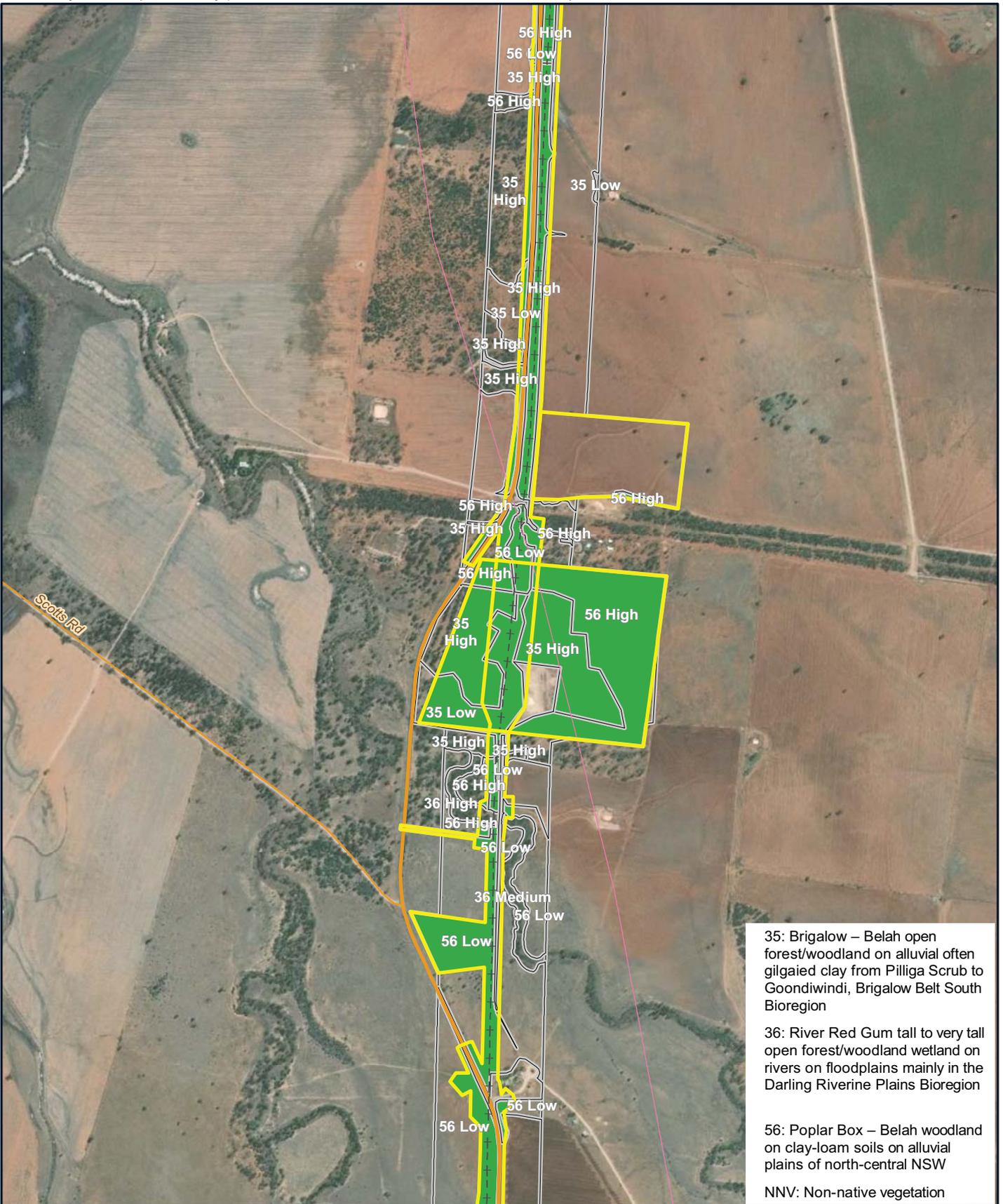


Date: 10/07/2020 Version: 2
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NORTH STAR TO NSW/QLD BORDER

Map A.8: *Homopholis belsonii* (Belson's panic)

Map by: MFD/TH/IGN_Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_Lbiodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_fiora_v2.mxd Date: 10/07/2020 10:02



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

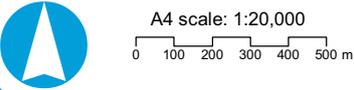
36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion

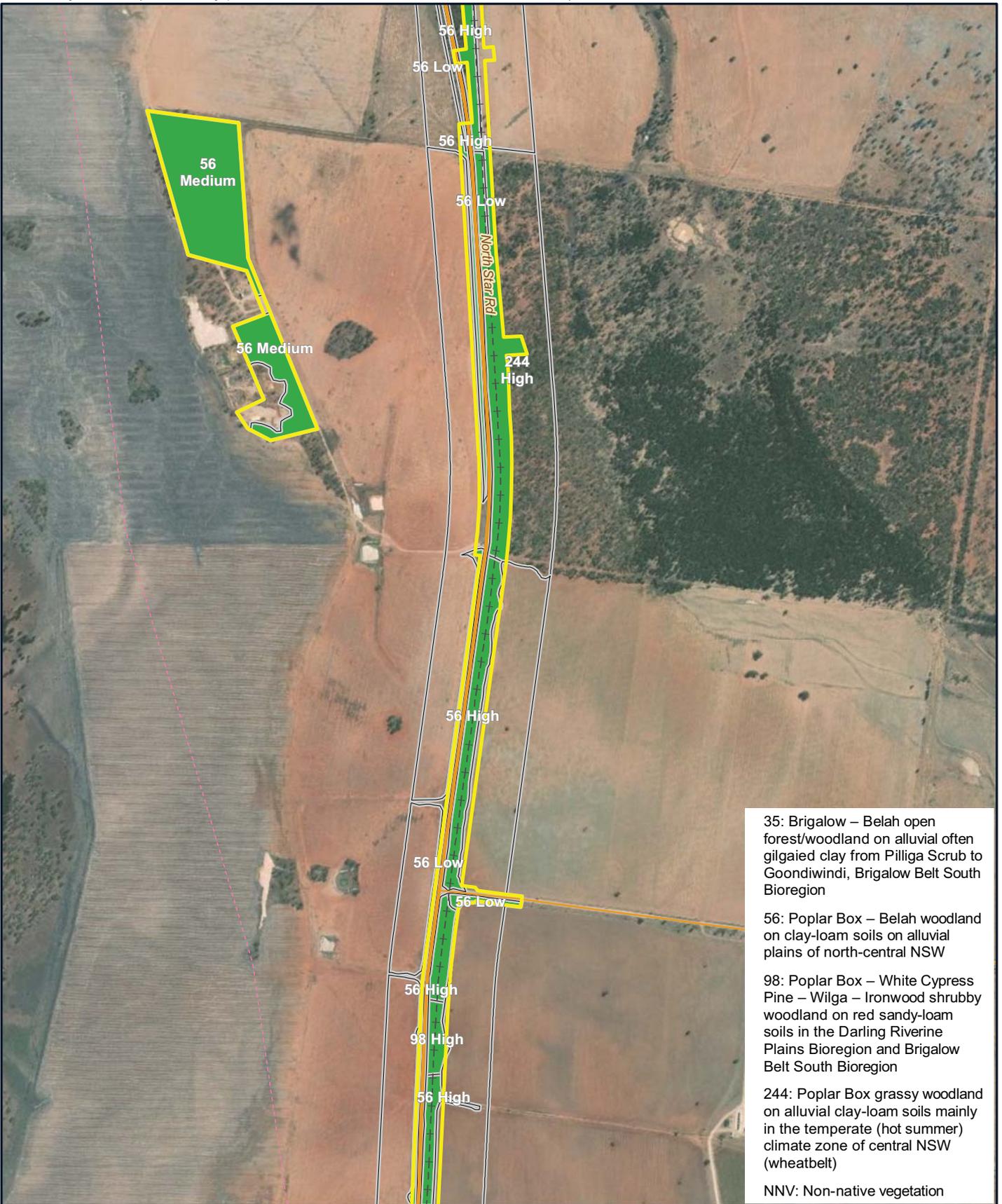
56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land





35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

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NNV: Non-native vegetation

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_fiora_v2.mxd Date: 10/07/2020 10:02

Legend

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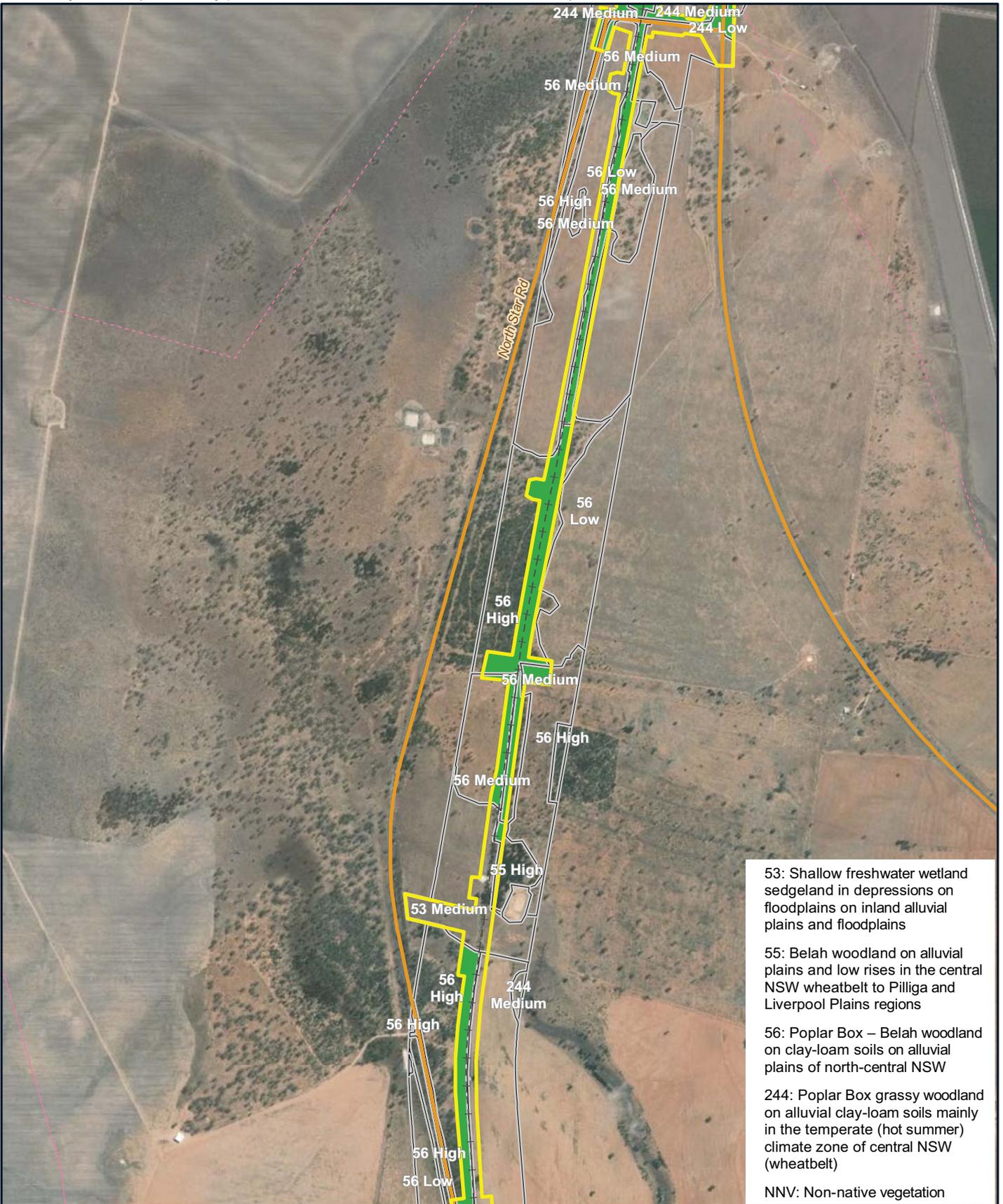


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Homopholis belsonii* (Belson's panic)

Map by: MFD/TH/IGN Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Lbiodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_flores_v2.mxd Date: 10/07/2020 10:02



53: Shallow freshwater wetland sedgeland in depressions on floodplains on inland alluvial plains and floodplains

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NNV: Non-native vegetation

Legend

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- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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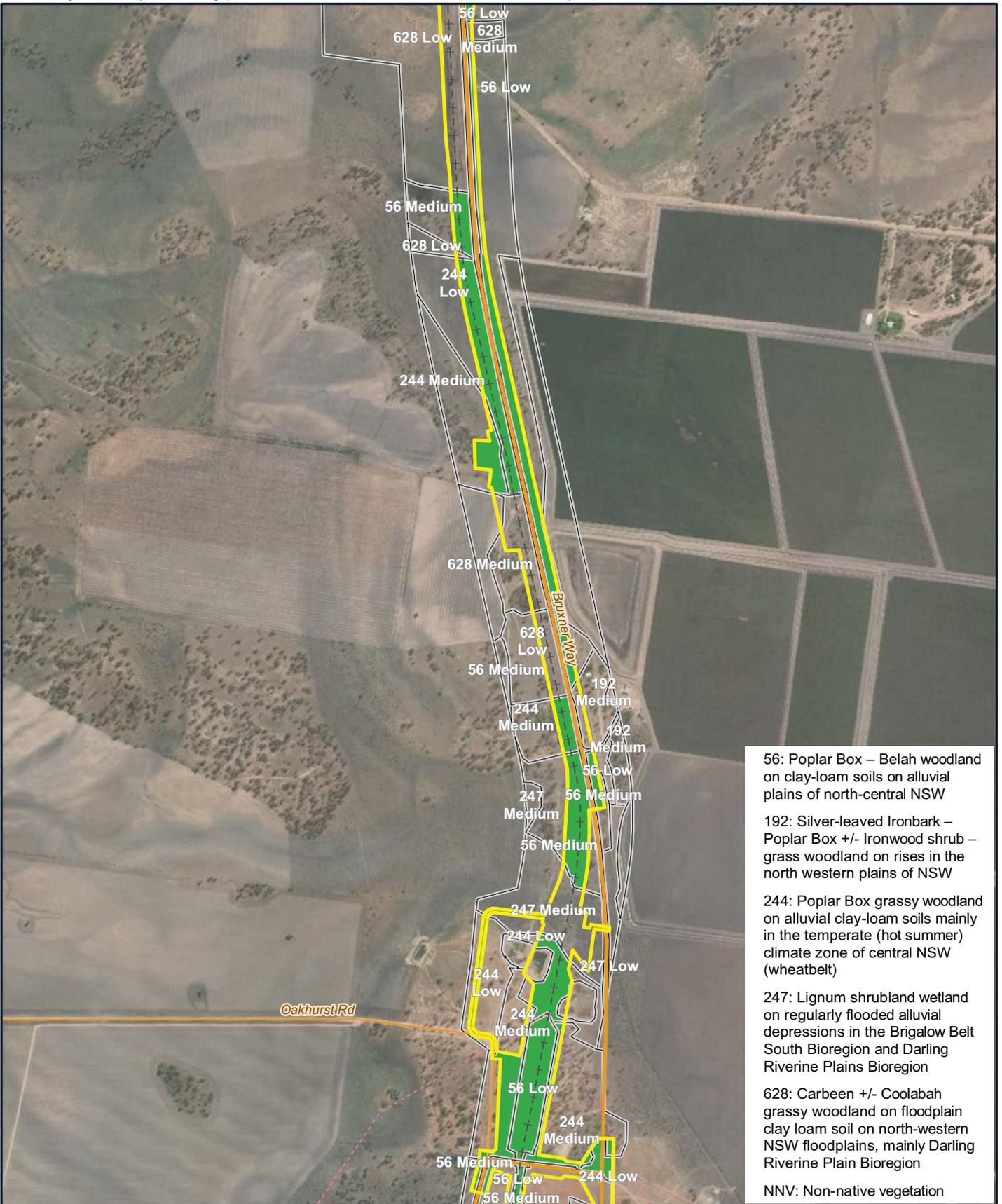


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NORTH STAR TO NSW/QLD BORDER

Map A.8: Homopholis belsonii (Belson's panic)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Lbiodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:02



56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW

244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)

247: Lignum shrubland wetland on regularly flooded alluvial depressions in the Brigalow Belt South Bioregion and Darling Riverine Plains Bioregion

628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion

NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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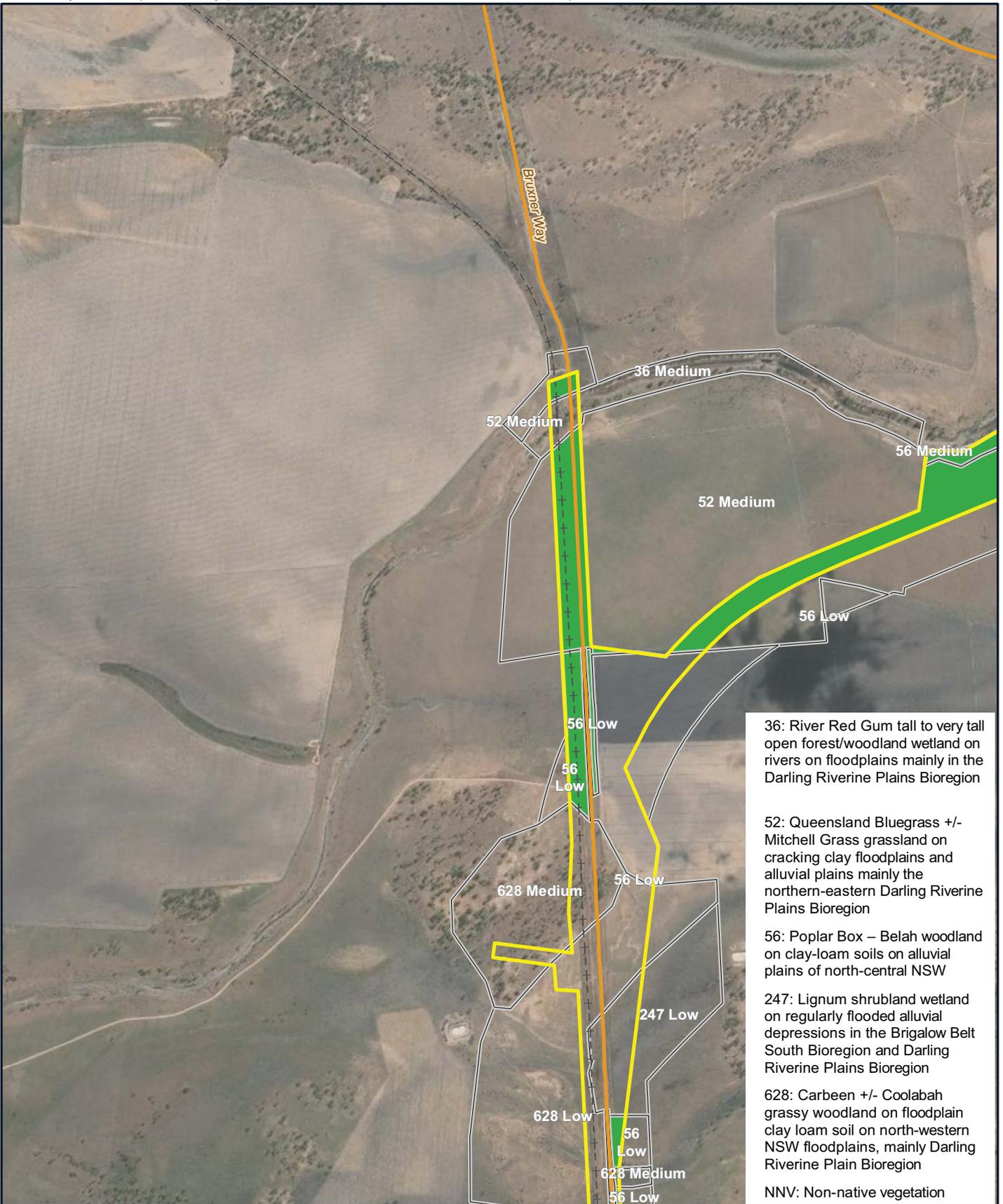


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: Homopholis belsonii (Belson's panic)

Map by: MFD/TH/IGN_Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_L_biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:02



- 36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion
- 52: Queensland Bluegrass +/- Mitchell Grass grassland on cracking clay floodplains and alluvial plains mainly the northern-eastern Darling Riverine Plains Bioregion
- 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
- 247: Lignum shrubland wetland on regularly flooded alluvial depressions in the Brigalow Belt South Bioregion and Darling Riverine Plains Bioregion
- 628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion
- NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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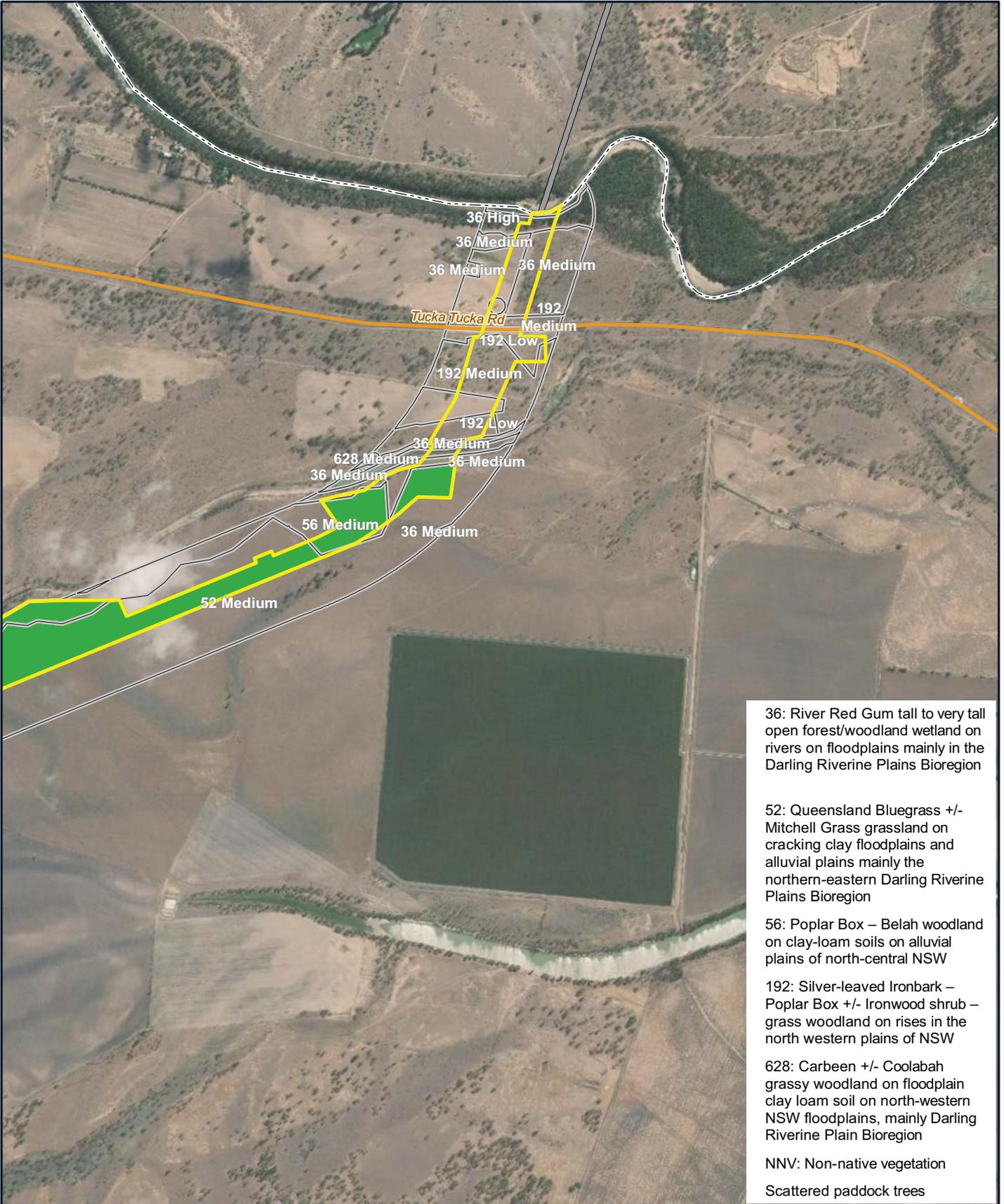


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: Homopholis belsonii (Belson's panic)

Map by: MFD/TH/IGN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:02



- 36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion
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- 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
- 192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW
- 628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion
- NNV: Non-native vegetation
Scattered paddock trees

Legend

- Major roads
- NSW/QLD border
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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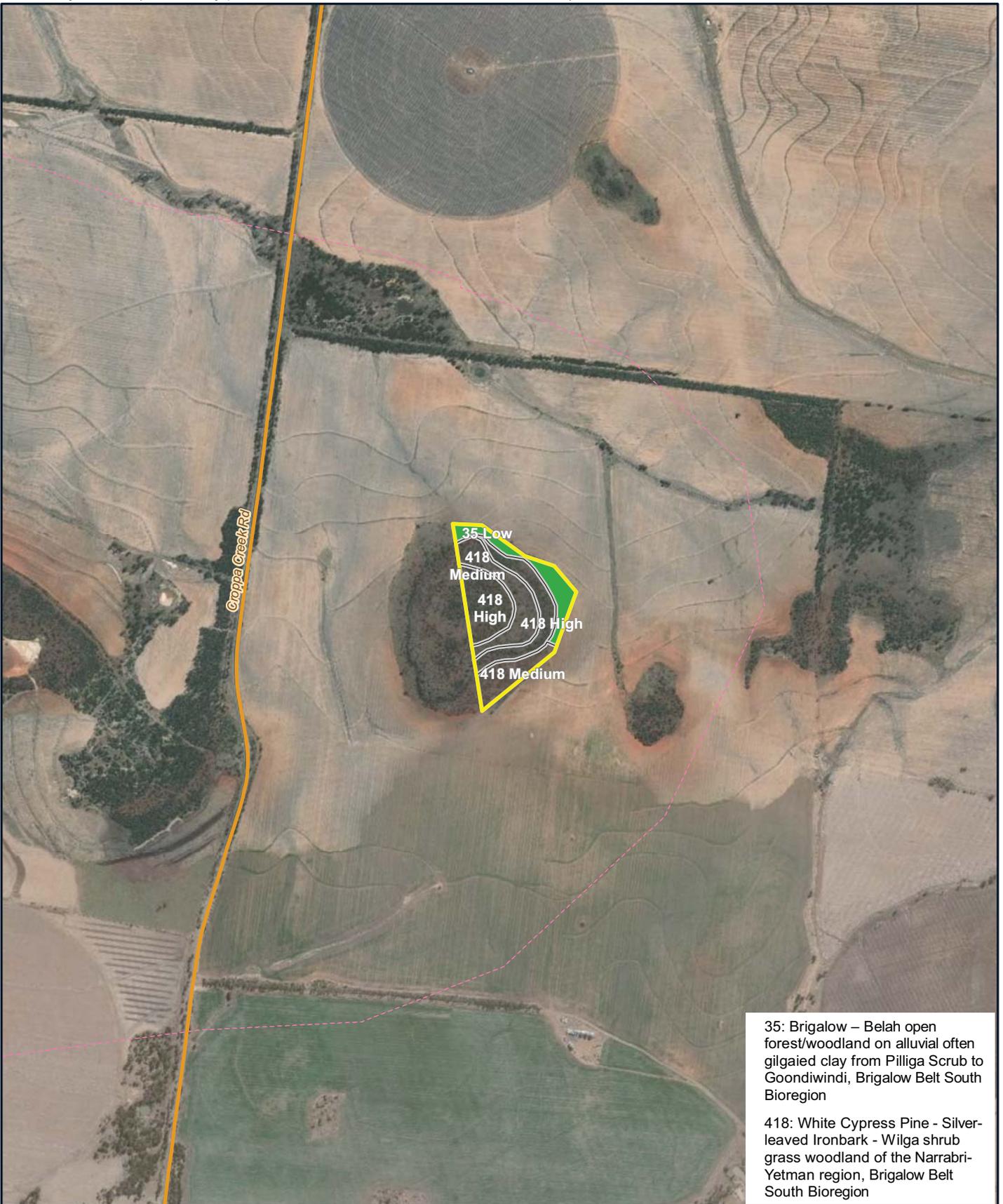


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Homopholis belsonii* (Belson's panic)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NSZBTasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_flova_v2.mxd Date: 10/07/2020 10:02



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

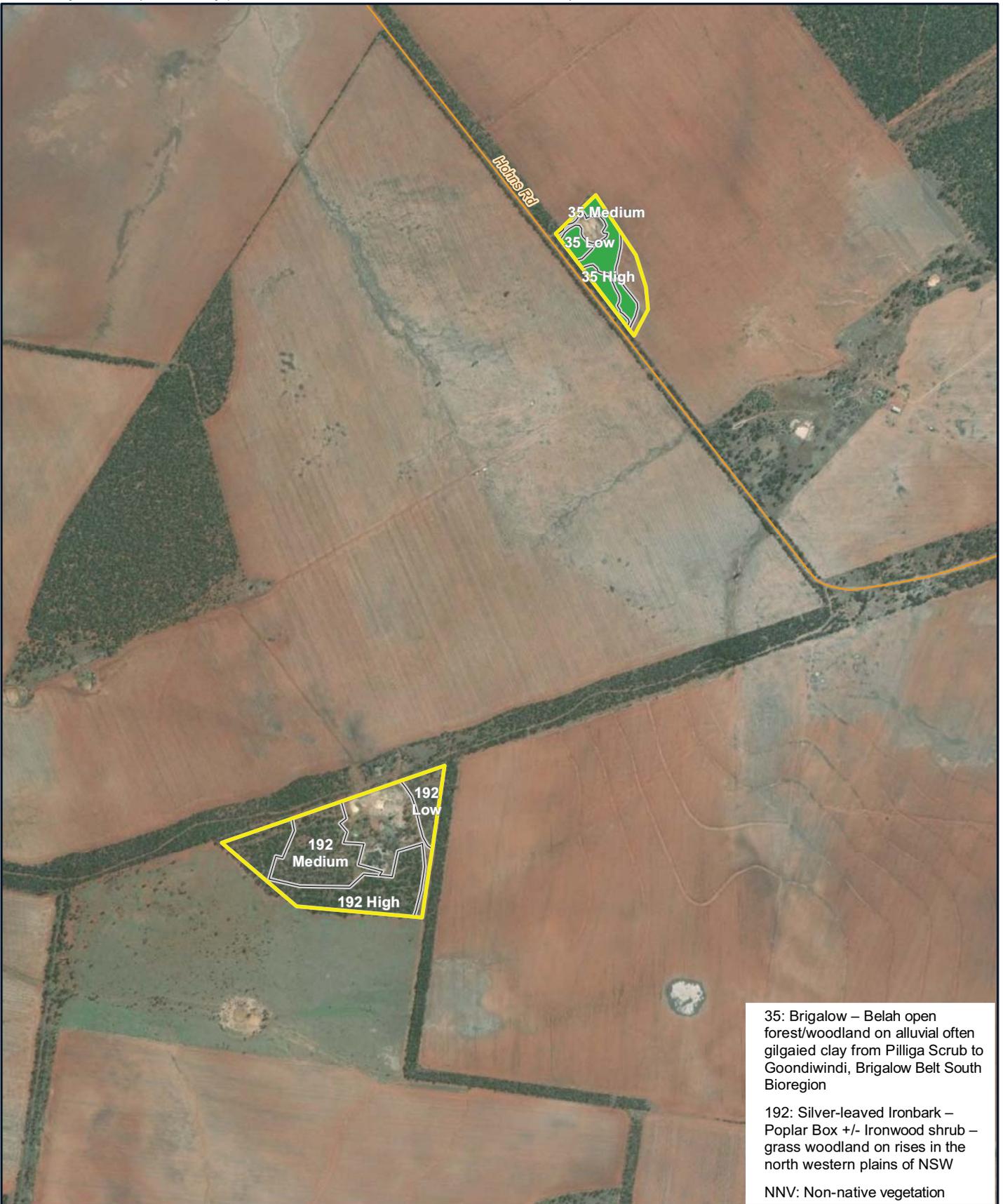
Legend

-  Major roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



A4 scale: 1:20,000
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35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW

NNV: Non-native vegetation

Legend

-  Minor roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



A4 scale: 1:20,000
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Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Homopholis belsonii* (Belson's panic)

Map by: MFD/TH/IGN Z:\GIS\GIS_270_NSZ\B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:03



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

NNV: Non-native vegetation

Legend

-  Major roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



A4 scale: 1:20,000
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Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Homopholis belsonii* (Belson's panic)

Map by: MFD/TH/IGN_Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_flores_v2.mxd Date: 10/07/2020 10:03



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
 NNV: Non-native vegetation

Legend

- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



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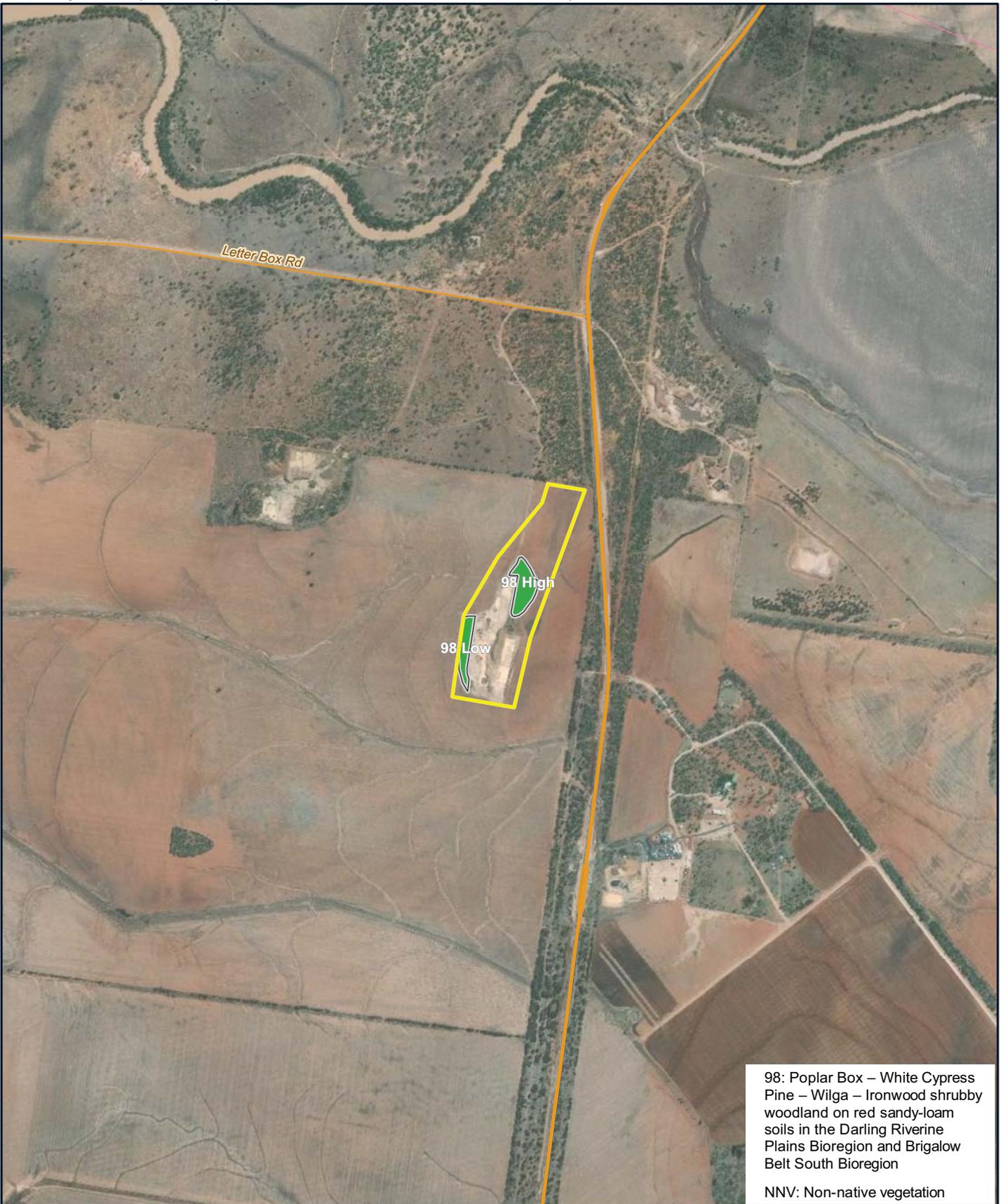


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Homopholis belsonii* (Belson's panic)

Map by: MFD/TH/IGN Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:03



98: Poplar Box – White Cypress Pine – Wilga – Ironwood shrubby woodland on red sandy-loam soils in the Darling Riverine Plains Bioregion and Brigalow Belt South Bioregion
 NNV: Non-native vegetation

Legend

- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Homopholis belsonii* (Belson's panic)

Map by: MFD TH/IGN_Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:03



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

NNV: Non-native vegetation

Legend

-  Minor roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



A4 scale: 1:20,000
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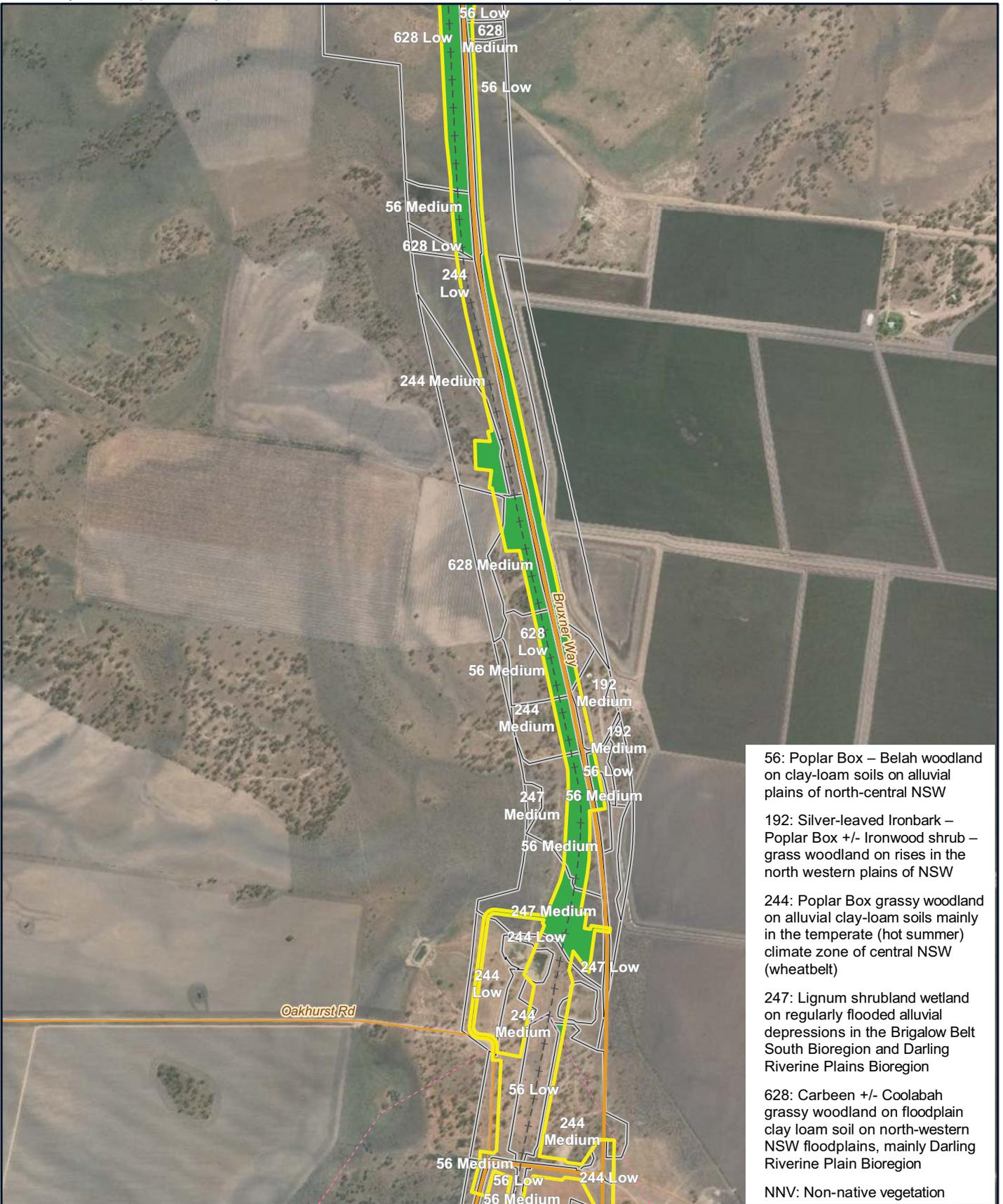


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Homopholis belsonii* (Belson's panic)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_Lbiodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_flores_v2.mxd Date: 10/07/2020 10:03



56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
 192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW
 244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
 247: Lignum shrubland wetland on regularly flooded alluvial depressions in the Brigalow Belt South Bioregion and Darling Riverine Plains Bioregion
 628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion
 NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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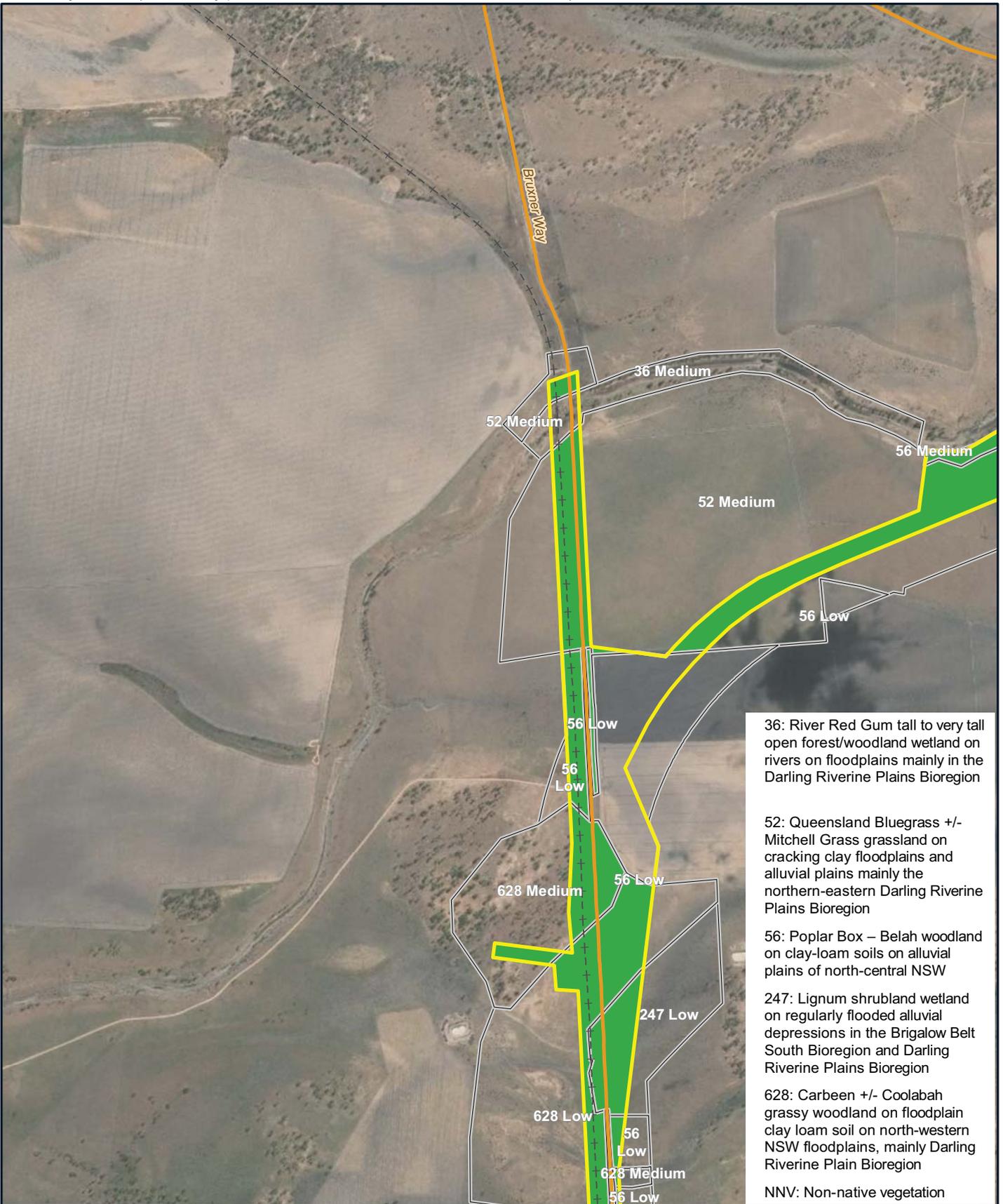


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Lepidium monoplocoides* (Winged peppergrass)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_L_biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:03



- 36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion
- 52: Queensland Bluegrass +/- Mitchell Grass grassland on cracking clay floodplains and alluvial plains mainly the northern-eastern Darling Riverine Plains Bioregion
- 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
- 247: Lignum shrubland wetland on regularly flooded alluvial depressions in the Brigalow Belt South Bioregion and Darling Riverine Plains Bioregion
- 628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion
- NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



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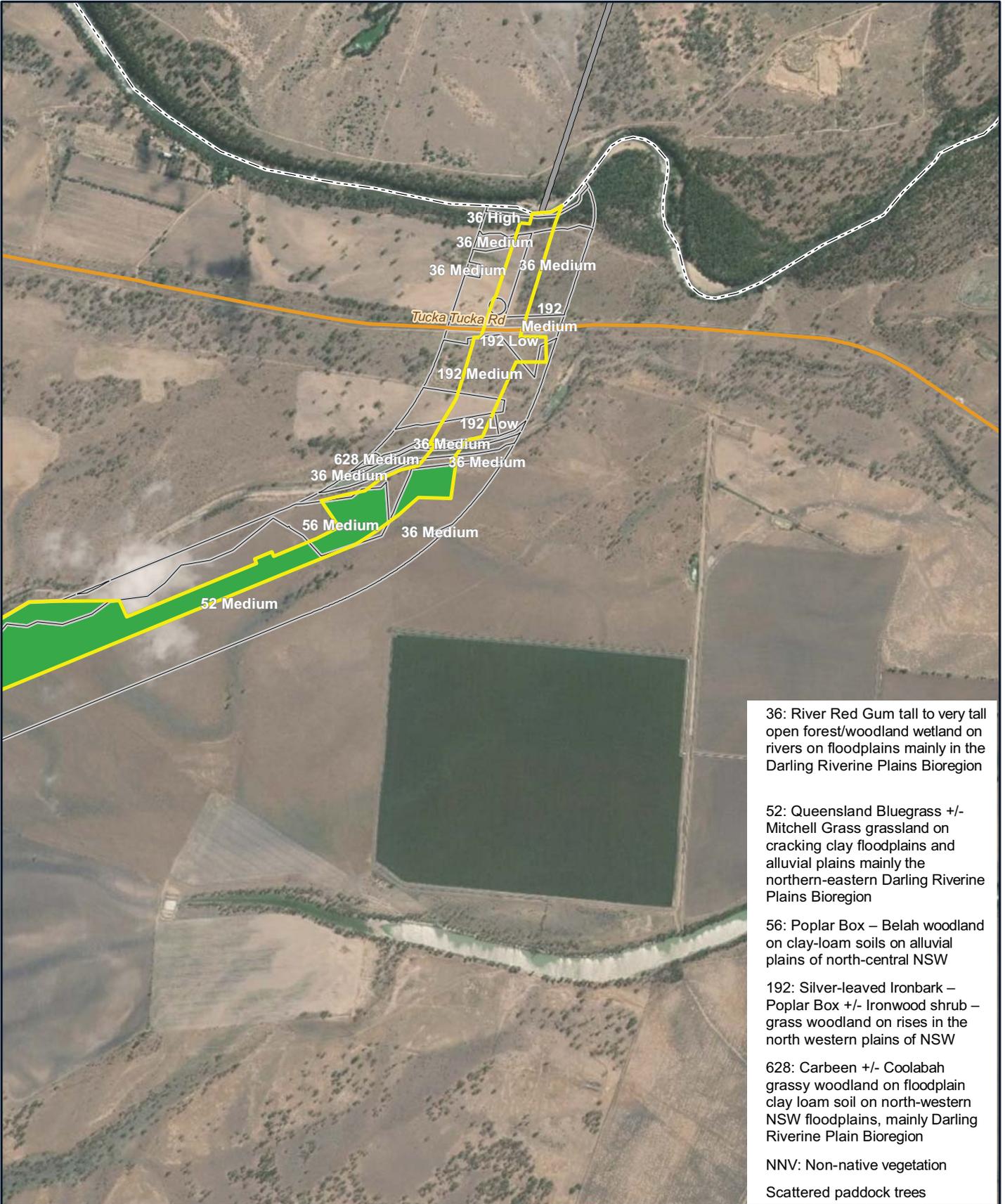


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Lepidium monolocoides* (Winged peppergrass)

Map by: MFD/TH/IGN Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:03



- 36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion
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- 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
- 192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW
- 628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion
- NNV: Non-native vegetation
Scattered paddock trees

Legend

- Major roads
- NSW/QLD border
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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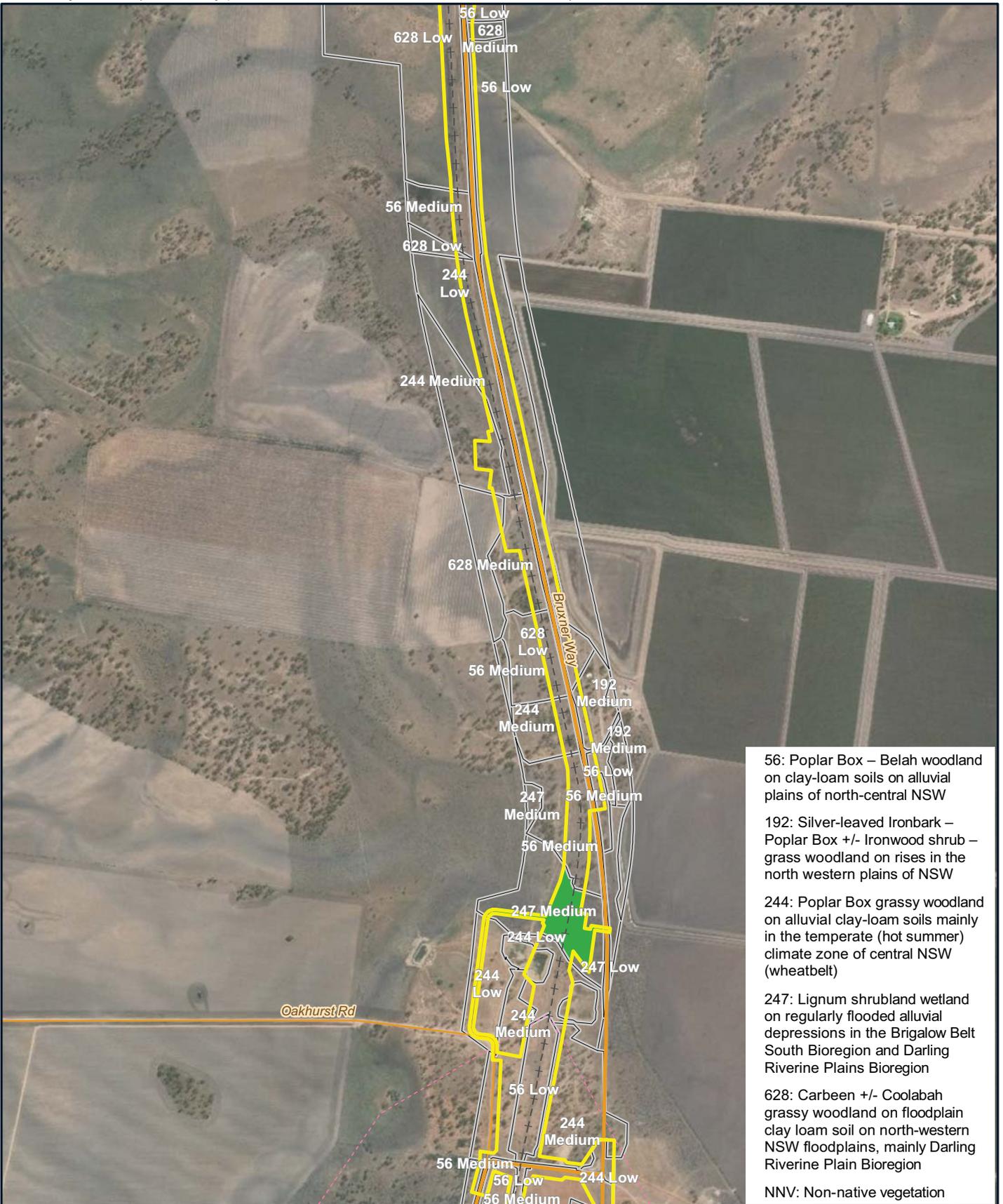


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Lepidium monolocoides* (Winged peppergrass)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_Lbiodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:03



56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
 192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW
 244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
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 628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion
 NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land

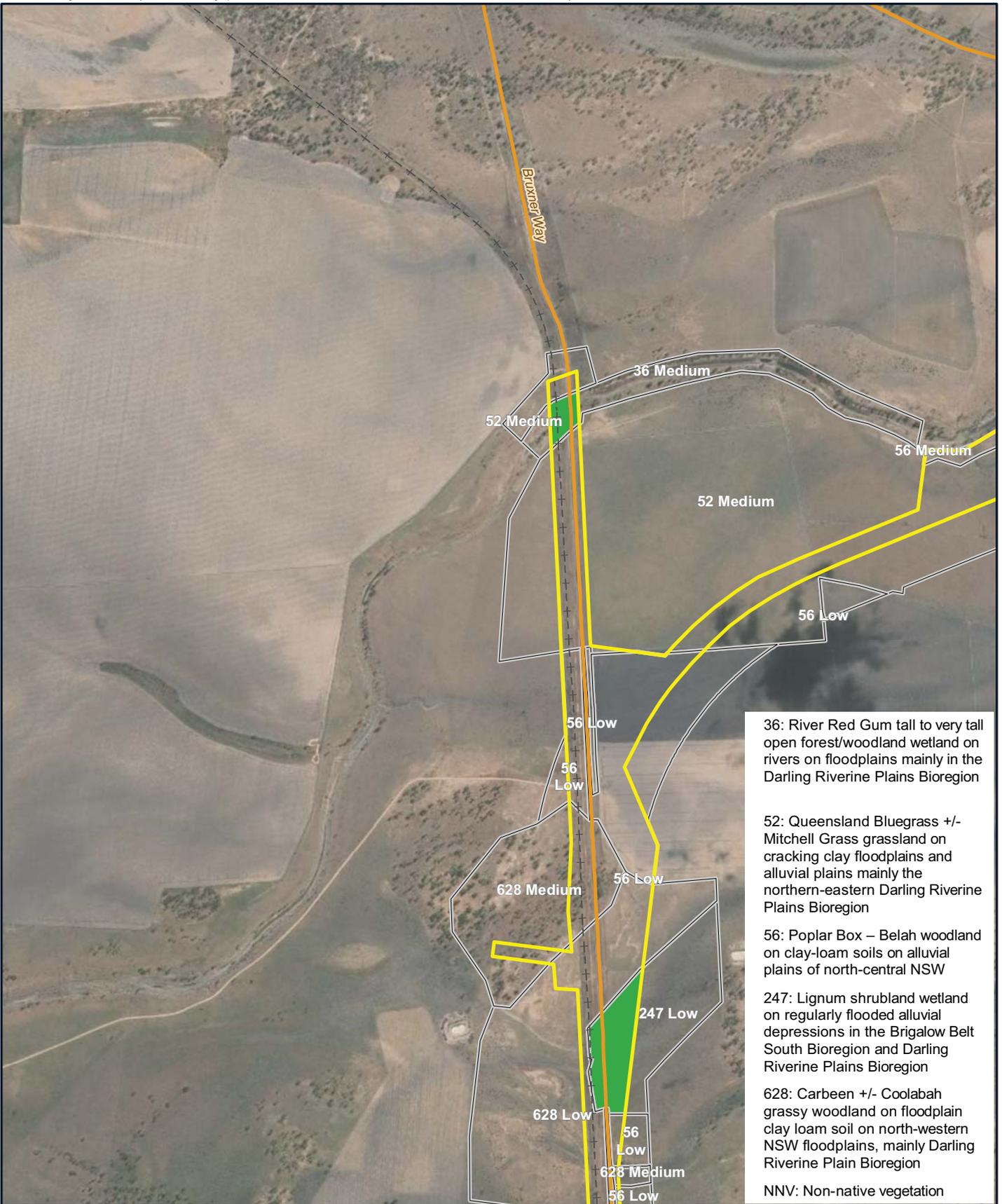


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Legend

- +- Existing rail (non-operational)
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- Subject land



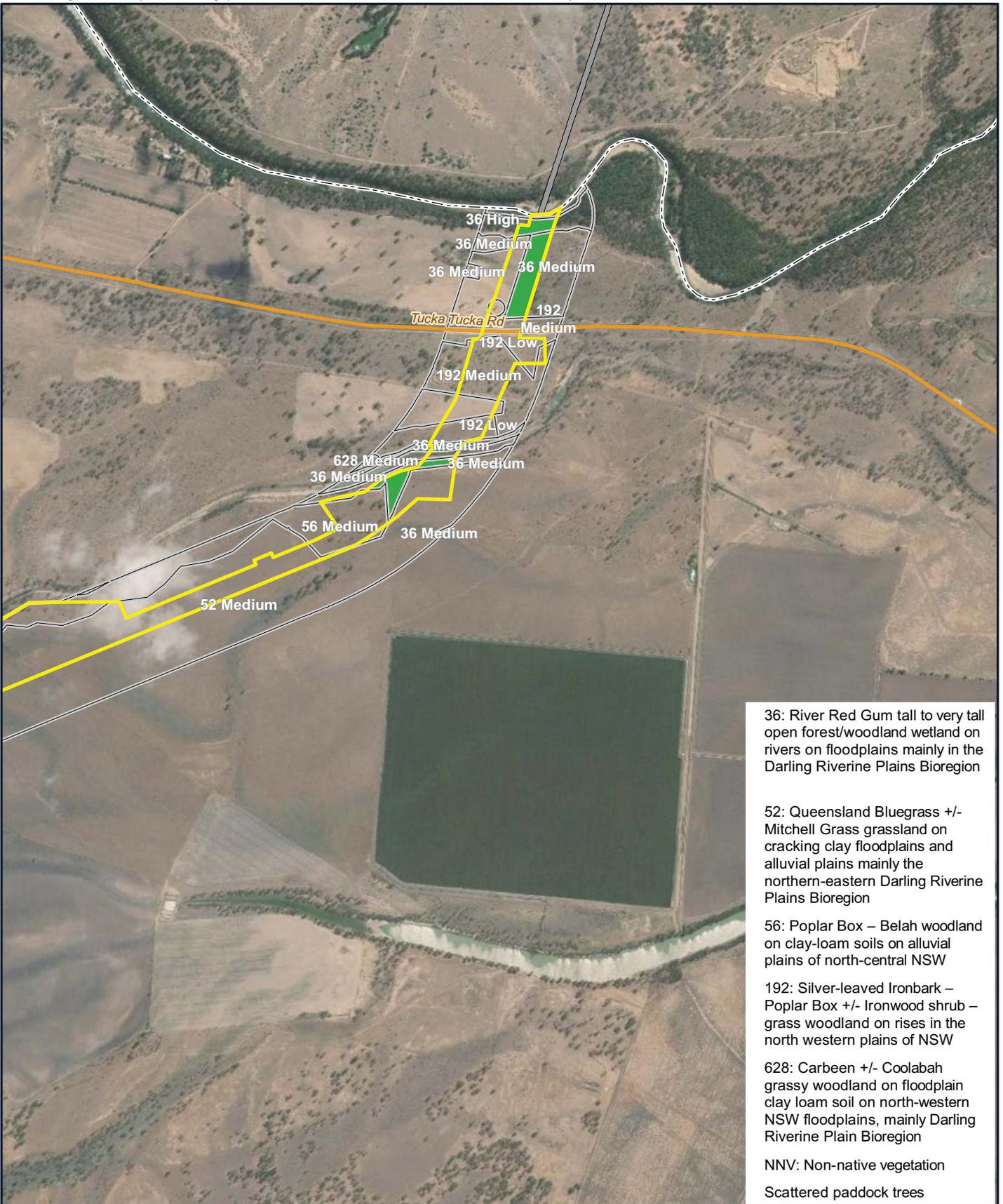
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Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER
Map A.8: *Phyllanthus maderaspatensis*
(*Phyllanthus maderaspatensis*)

Map by: MFD/TH/IGN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrrestrial_biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:03



- 36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion
- 52: Queensland Bluegrass +/- Mitchell Grass grassland on cracking clay floodplains and alluvial plains mainly the northern-eastern Darling Riverine Plains Bioregion
- 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
- 192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW
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- NNV: Non-native vegetation
Scattered paddock trees

Legend

- Major roads
- NSW/QLD border
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land

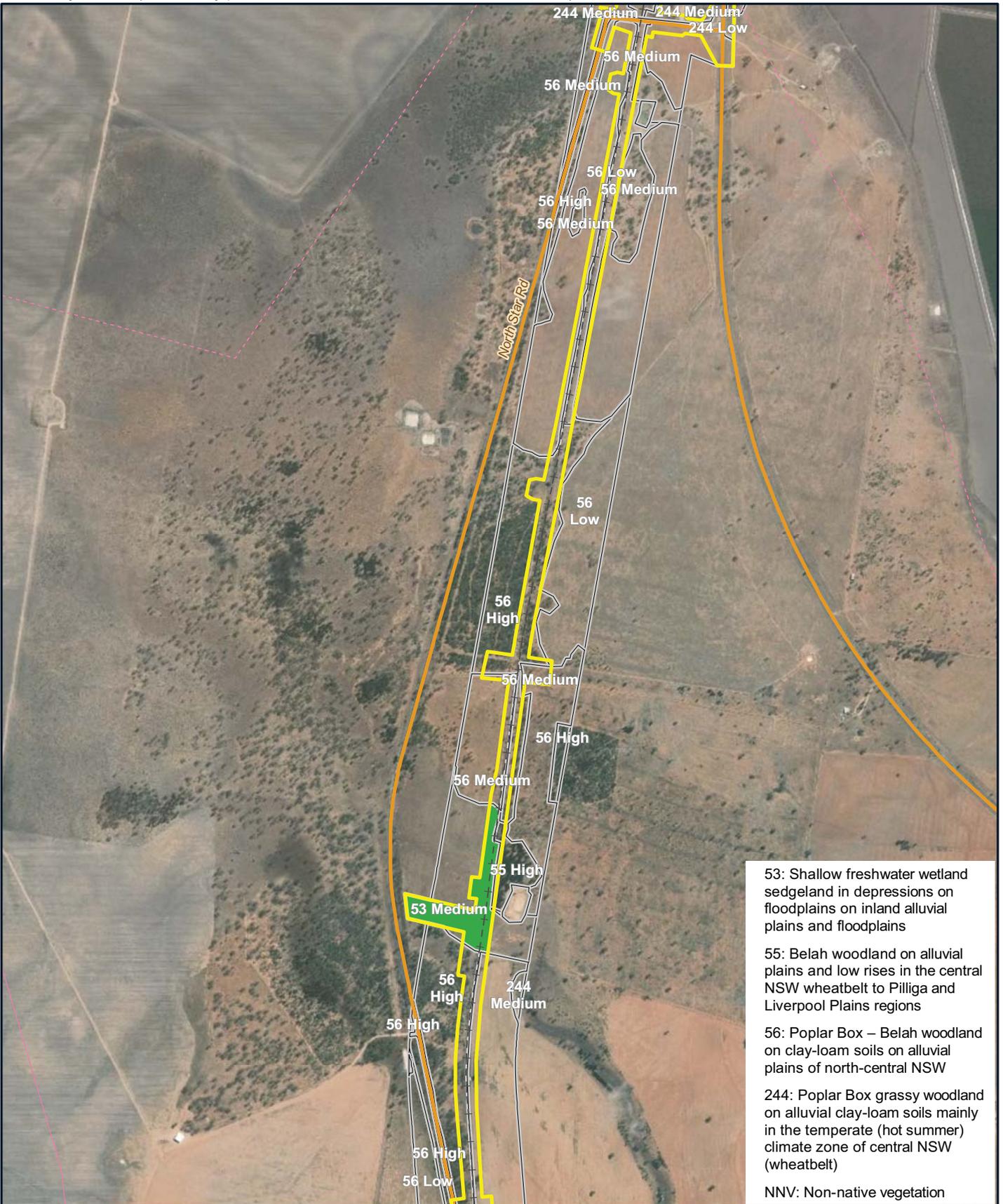


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Date: 10/07/2020 Version: 2
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53: Shallow freshwater wetland sedgeland in depressions on floodplains on inland alluvial plains and floodplains
 55: Belah woodland on alluvial plains and low rises in the central NSW wheatbelt to Pilliga and Liverpool Plains regions
 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
 244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
 NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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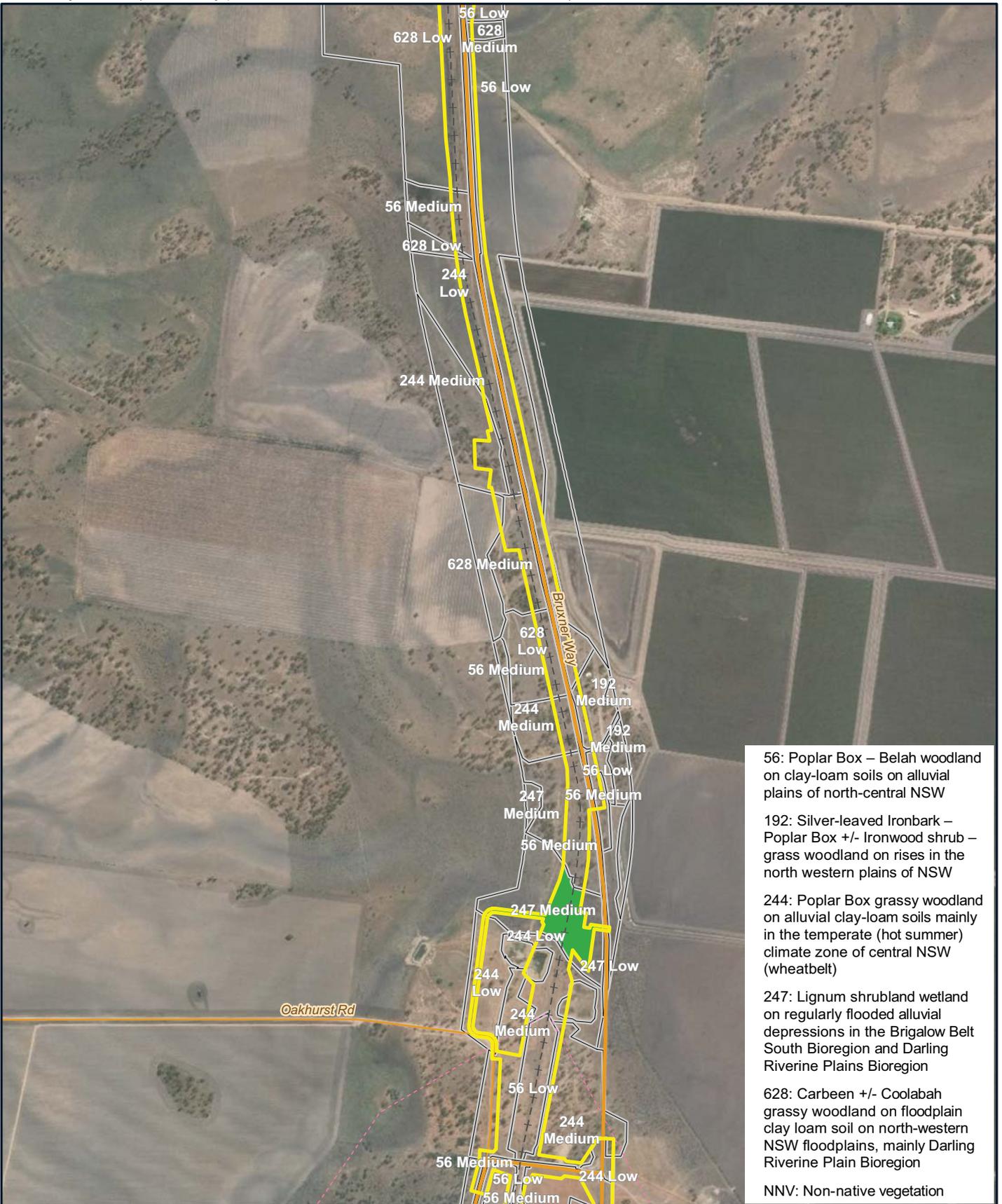


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Platydoma microphyllum* (Braid fern)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_Lbiodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_flore_v2.mxd Date: 10/07/2020 10:04



56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW

244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)

247: Lignum shrubland wetland on regularly flooded alluvial depressions in the Brigalow Belt South Bioregion and Darling Riverine Plains Bioregion

628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion

NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
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- Subject land



A4 scale: 1:20,000
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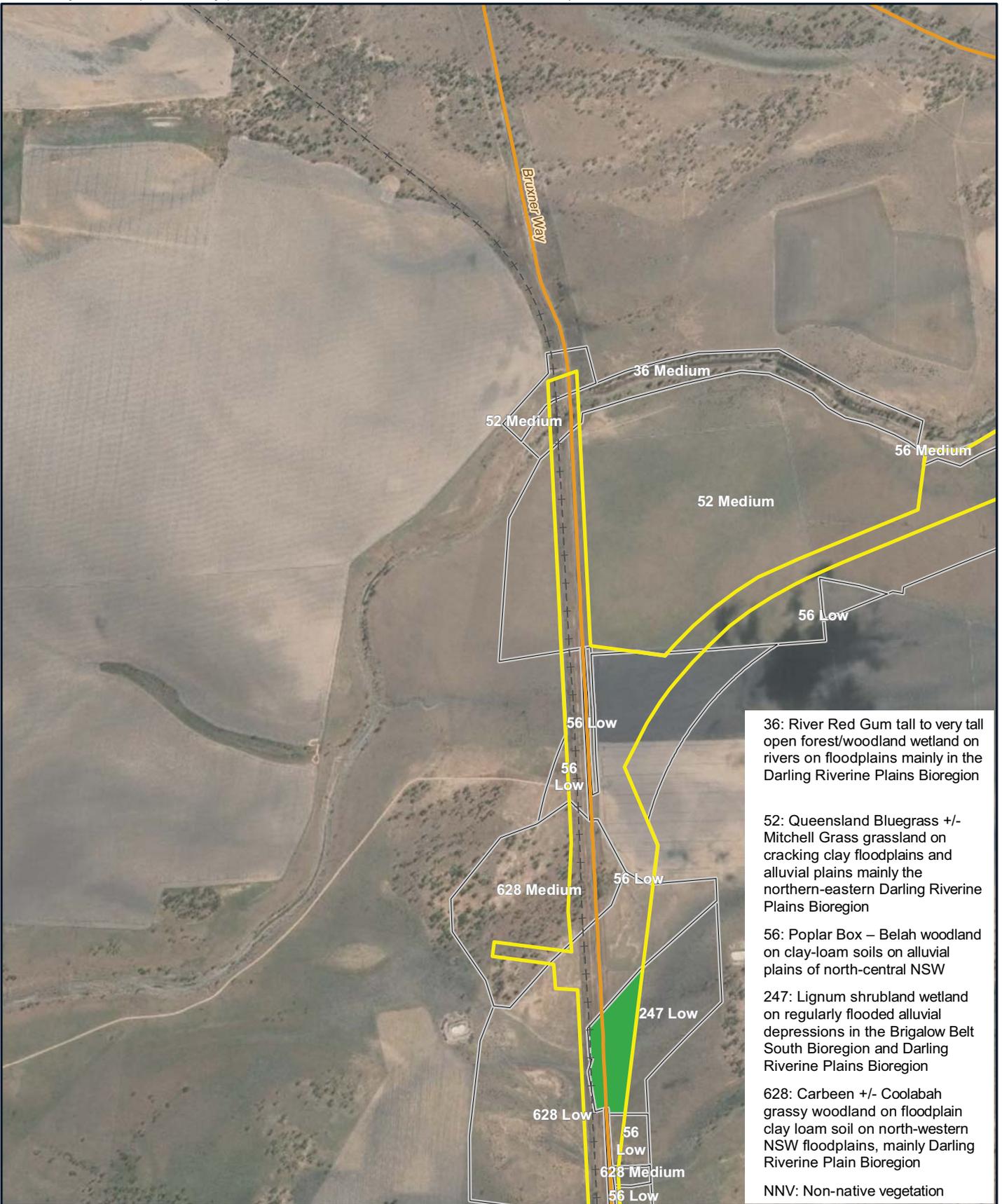


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Platyozoma microphyllum* (Braid fern)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:04



- 36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion
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Legend

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- IBRA 7 sub-region boundary
- Subject land



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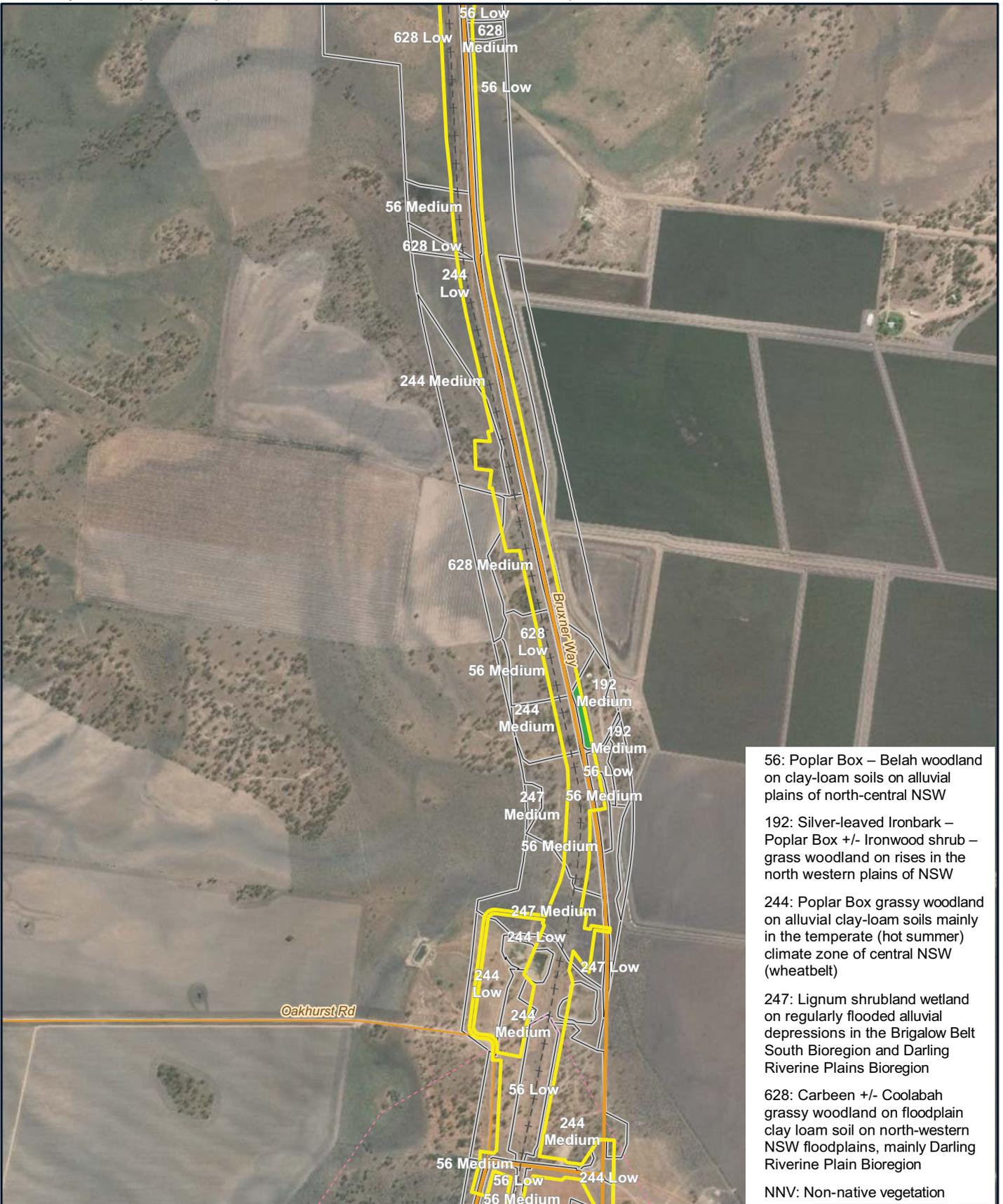


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Platyozoma microphyllum* (Braid fern)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Lbiodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS flora_v2.mxd Date: 10/07/2020 10:04



56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW

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628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion

NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
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- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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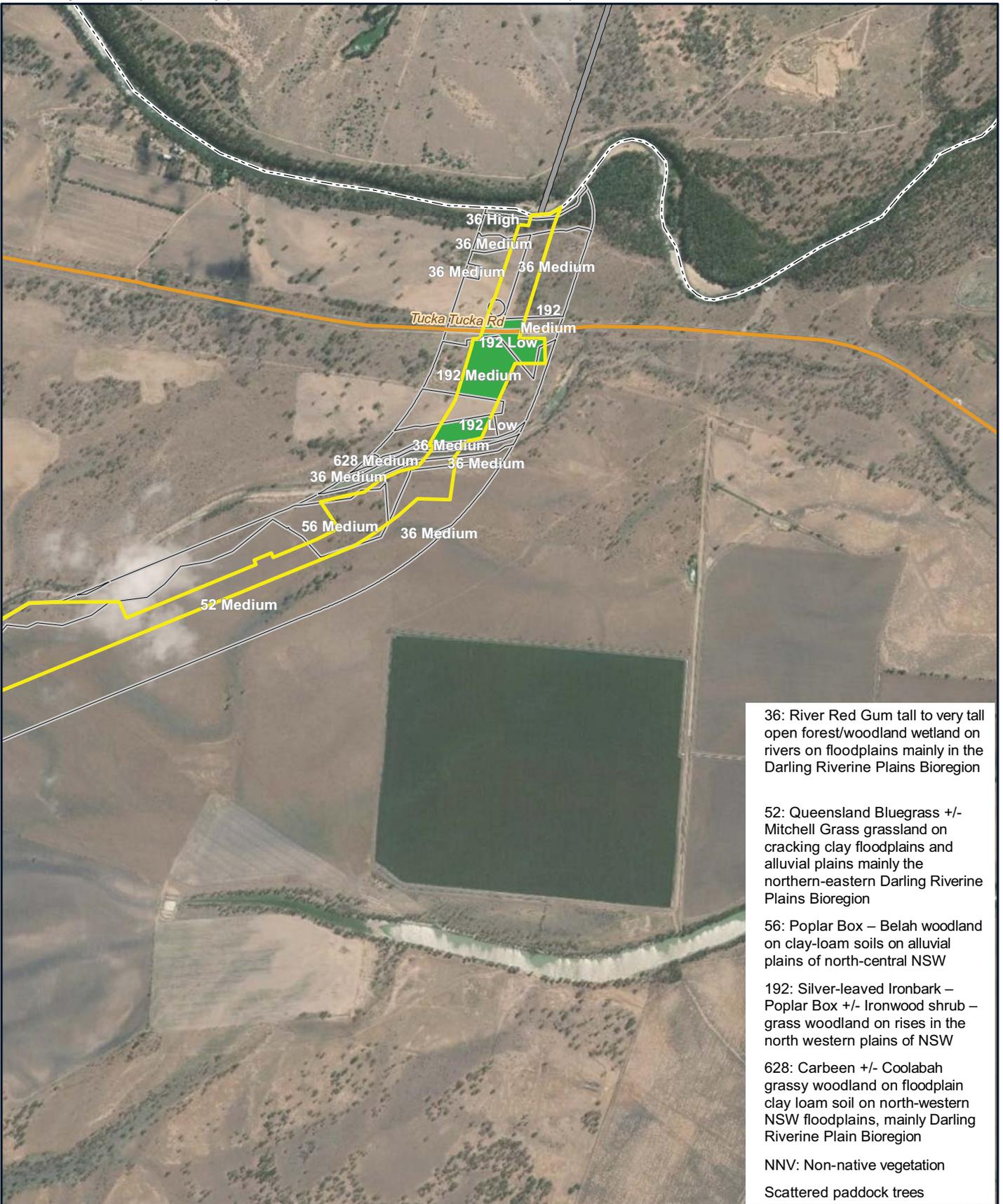


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Polygala linariifolia* (Native milkwort)

Map by: MFD/TH/IGN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:04



- 36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion
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- NNV: Non-native vegetation
Scattered paddock trees

Legend

- Major roads
- - - NSW/QLD border
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Polygala linariifolia* (Native milkwort)

Map by: MFD/TH/IGN_Z:\GIS\GIS_270_NSZ\B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_flova_v2.mxd Date: 10/07/2020 10:04



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

Legend

-  Major roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



A4 scale: 1:20,000
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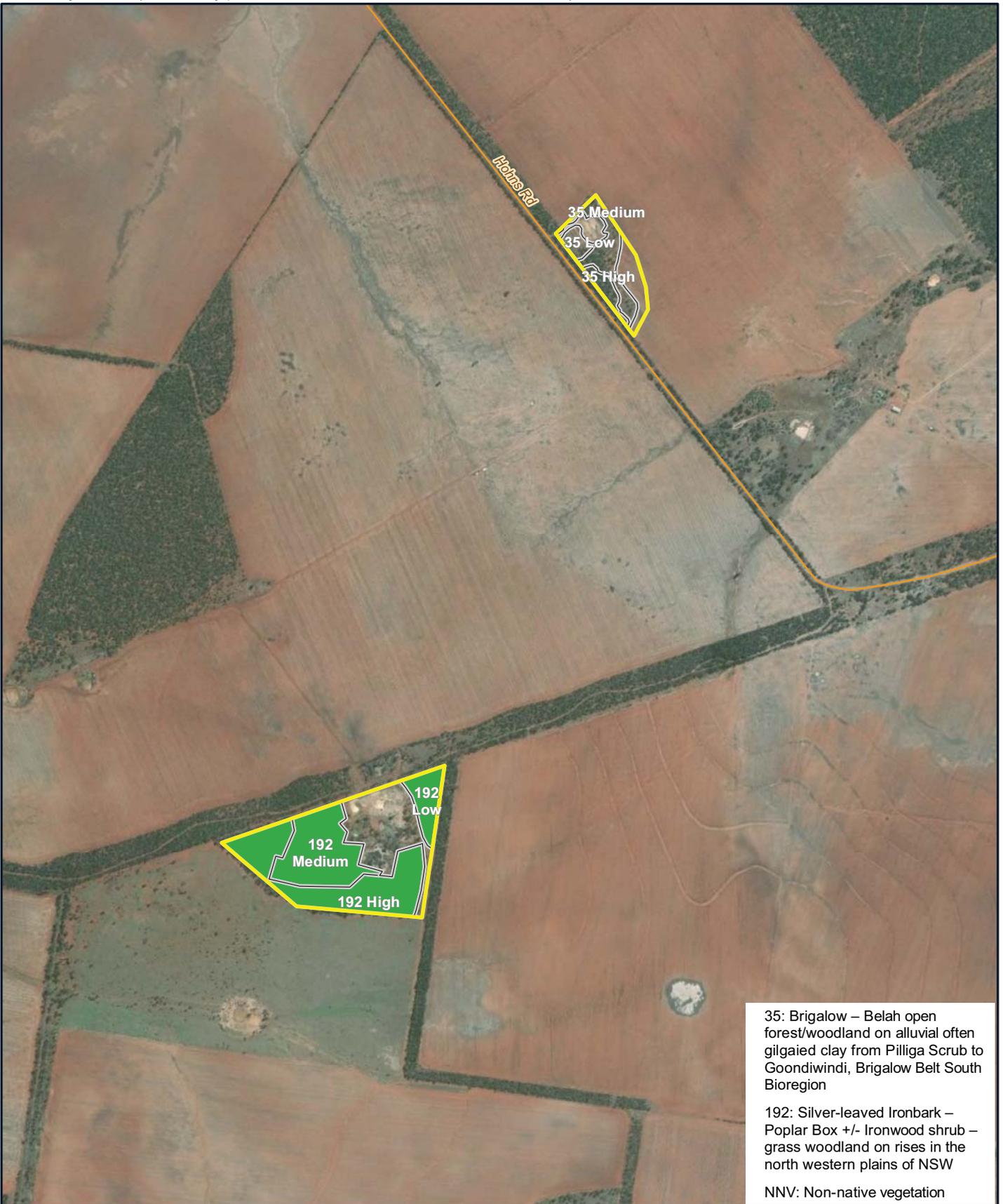


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Polygala linariifolia* (Native milkwort)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_flores_v2.mxd Date: 10/07/2020 10:04



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW

NNV: Non-native vegetation

Legend

-  Minor roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



A4 scale: 1:20,000
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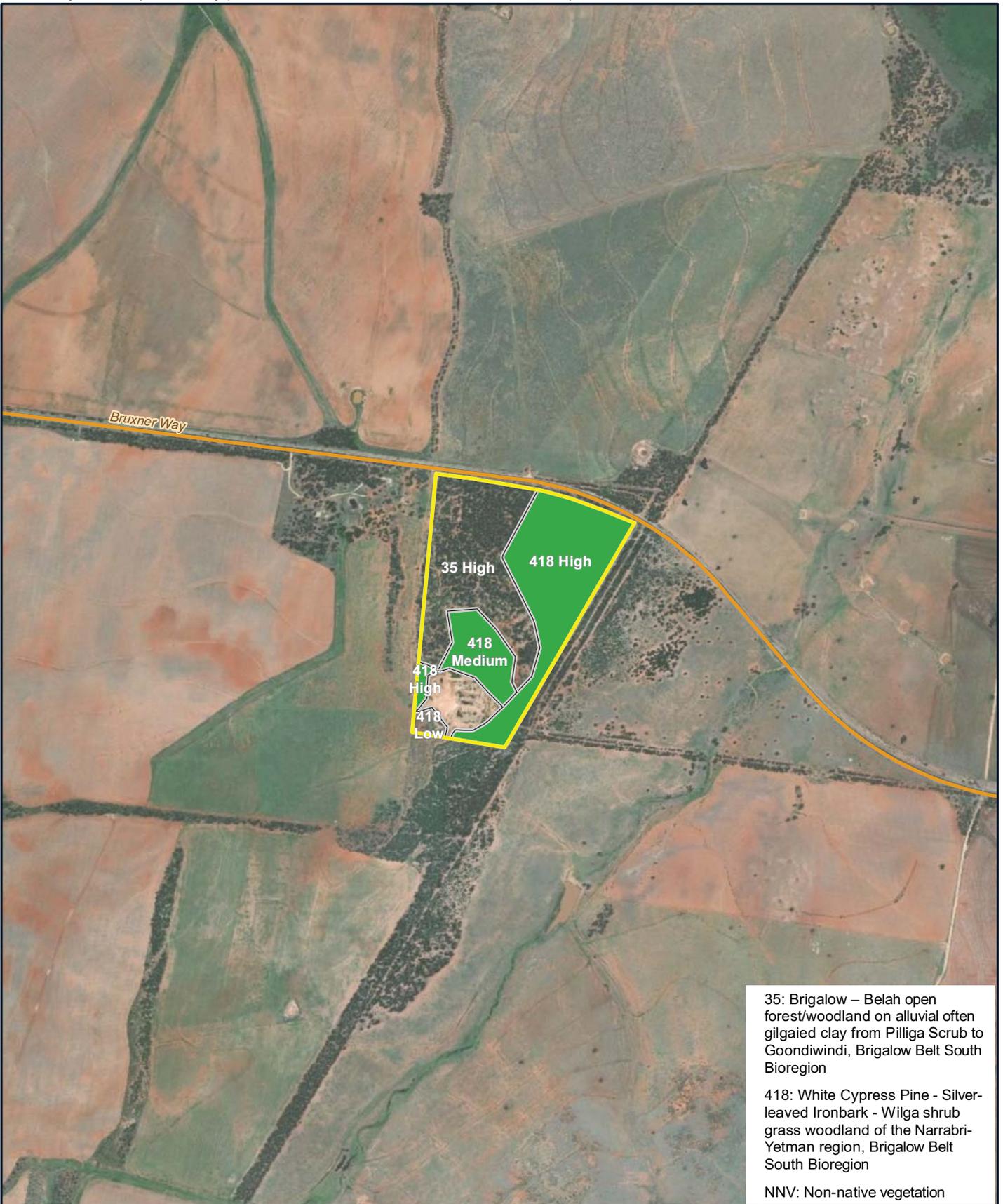


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Polygala linariifolia* (Native milkwort)

Map by: MFD/TH/IGN Z:\GIS\GIS_270_NSZBT\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:04



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

NNV: Non-native vegetation

Legend

-  Major roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



A4 scale: 1:20,000
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Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Polygala linariifolia* (Native milkwort)

Map by: MFD/TH/IGN_Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:04



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

NNV: Non-native vegetation

Legend

-  Minor roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



A4 scale: 1:20,000
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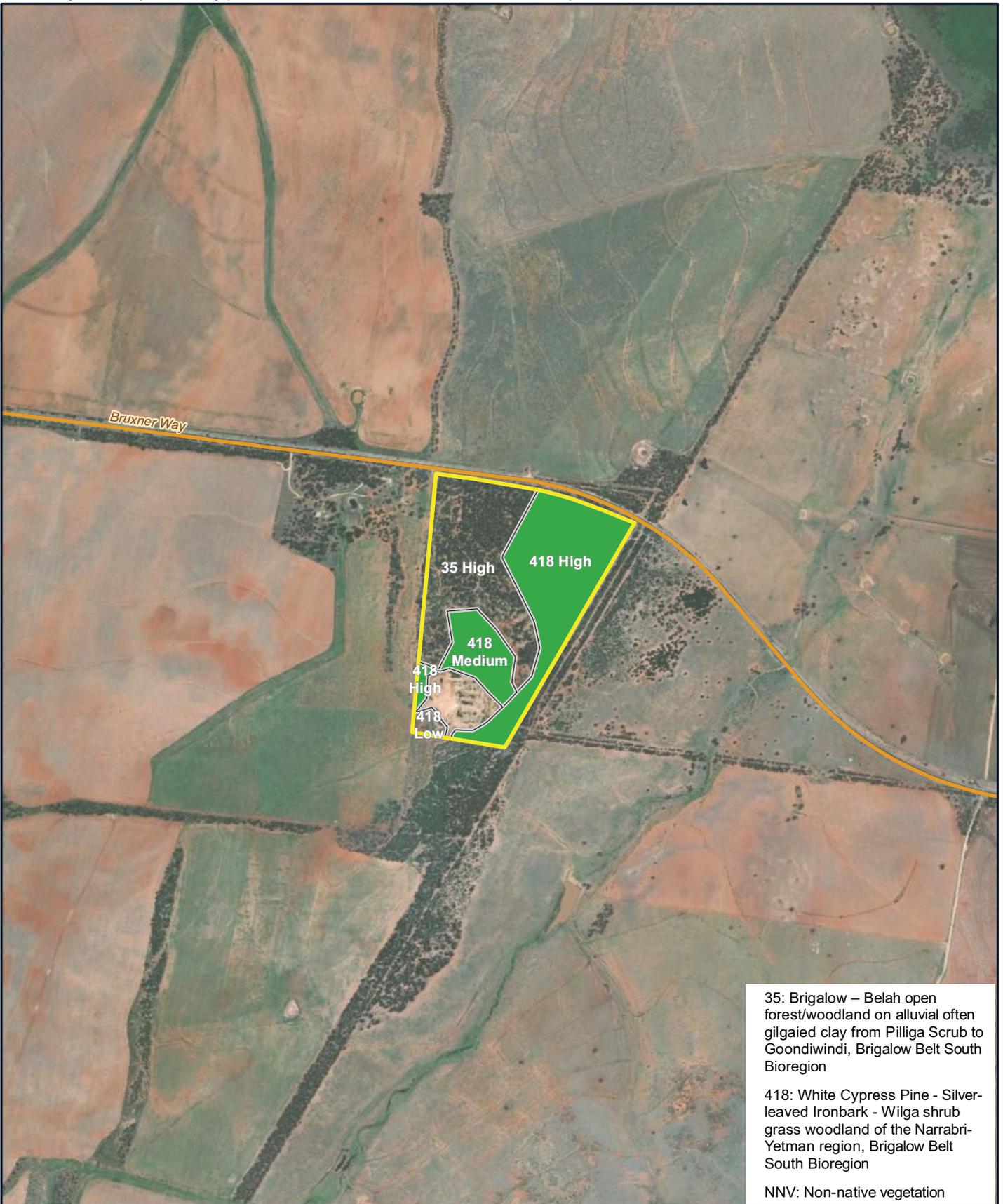


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Polygala linariifolia* (Native milkwort)

Map by: MFD/TH/IGN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:04



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

NNV: Non-native vegetation

Legend

-  Major roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



A4 scale: 1:20,000
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Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Pomaderris queenslandica* (Scant pomaderris)

Map by: MFD TH/IGN_Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:05



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

NNV: Non-native vegetation

Legend

-  Minor roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



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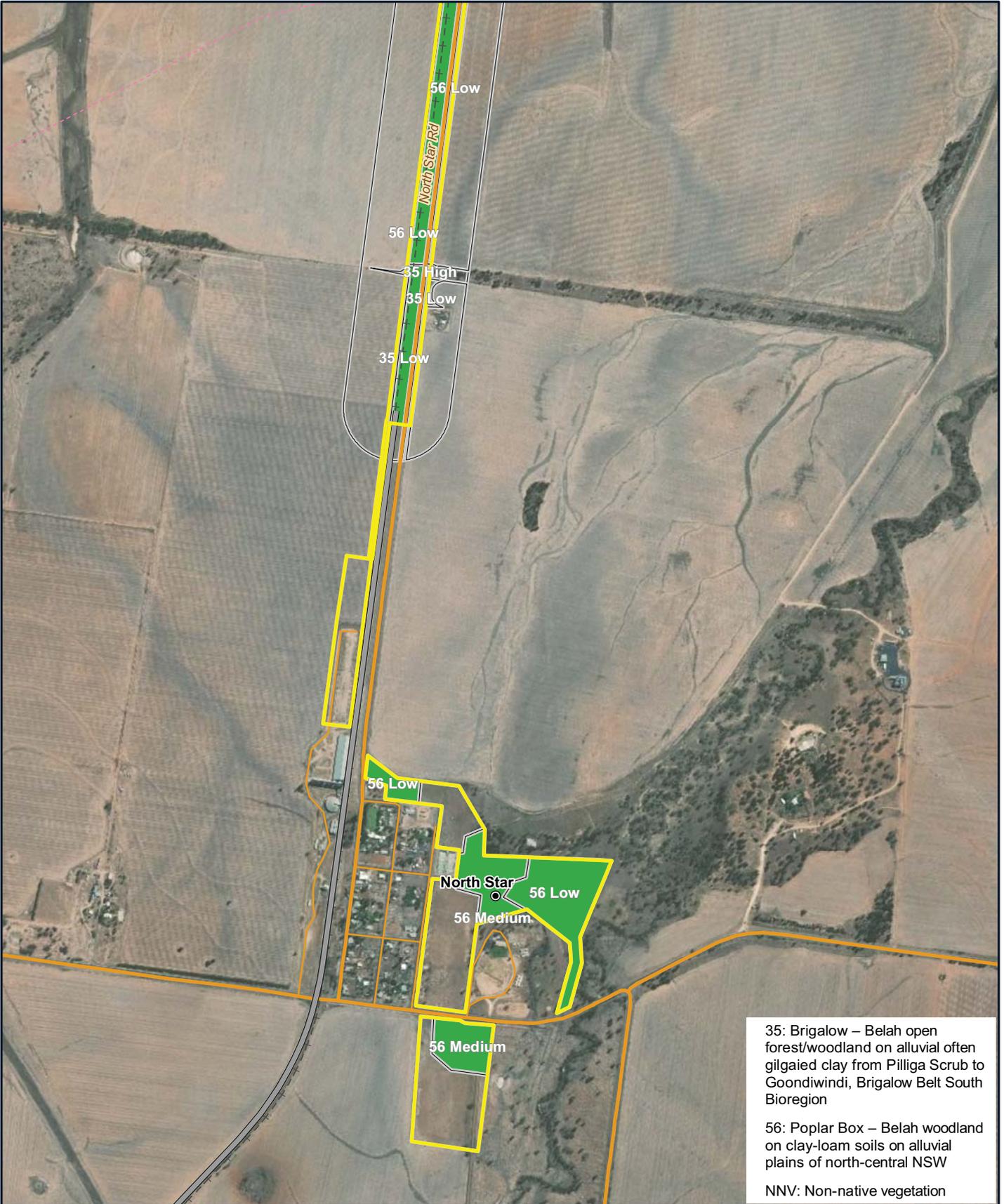


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Pomaderris queenslandica* (Scant pomaderris)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2BTasks\270-EAP-202007011428_GIS_Terrestrial_biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_flores_v2.mxd Date: 10/07/2020 10:05



Legend

- Localities
- +- Existing rail (non-operational)
- ▬ Adjoining alignments
- ▬ Major roads
- ▬ Minor roads
- Species-credit species
- ▭ Fieldwork PCT (to fieldwork extent)
- ▭ IBRA 7 sub-region boundary
- ▭ Subject land

35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

NNV: Non-native vegetation



A4 scale: 1:20,000
 0 100 200 300 400 500 m



Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Swainsona murrayana* (Slender darling pea)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2BTasks\270-EAP-202007011428_GIS_Terrestrial_Biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:05



27: Weeping Myall open woodland of the Darling Riverine Plains Bioregion and Brigalow Belt South Bioregion

36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

NNV: Non-native vegetation
 Scattered paddock trees

Legend

- + Existing rail (operational)
- + Existing rail (non-operational)
- Major roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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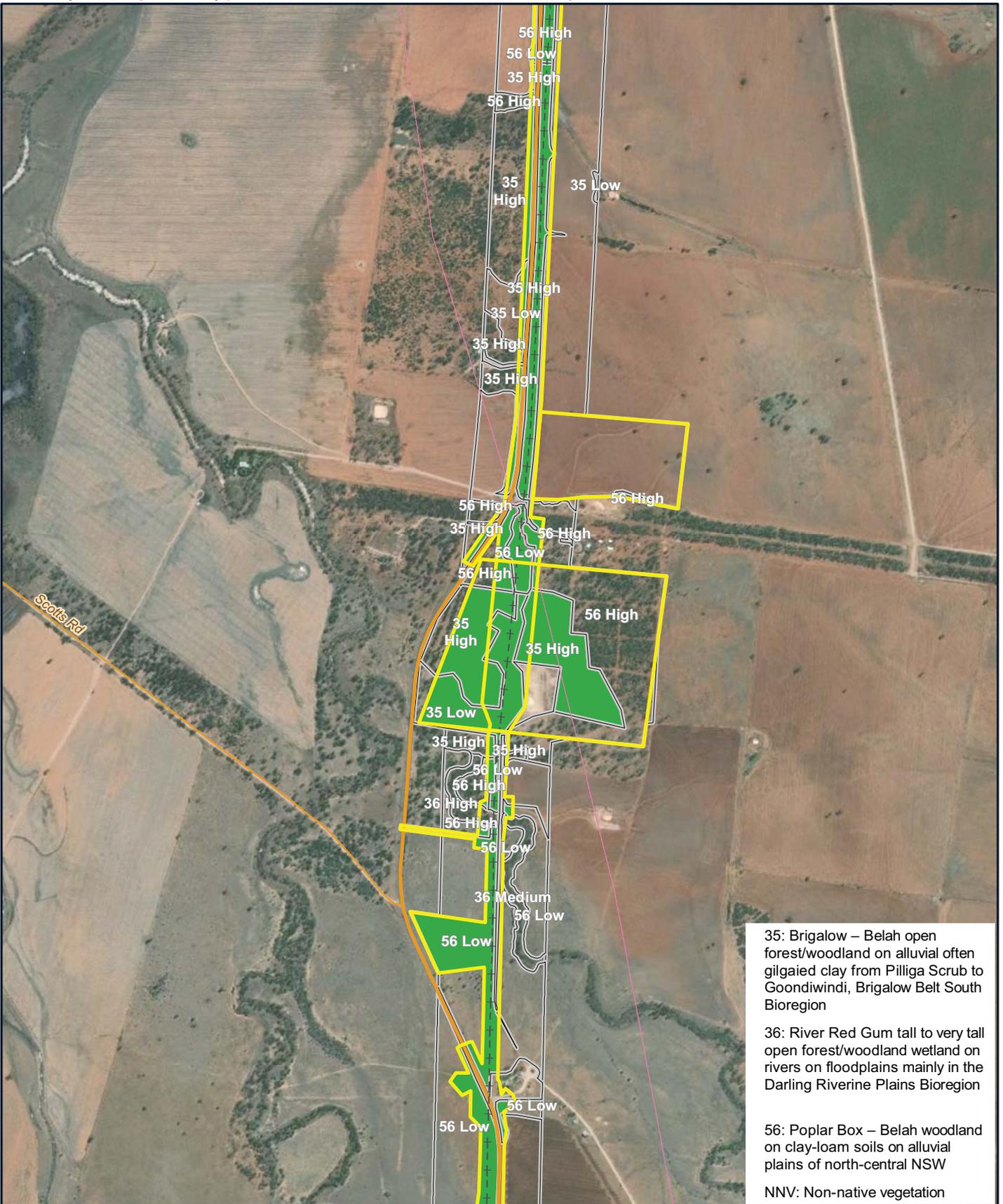


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Swainsona murrayana* (Slender darling pea)

Map by: MFD/TH/IGN_Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_Lbiodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_fiora_v2.mxd Date: 10/07/2020 10:05



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

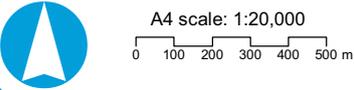
36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion

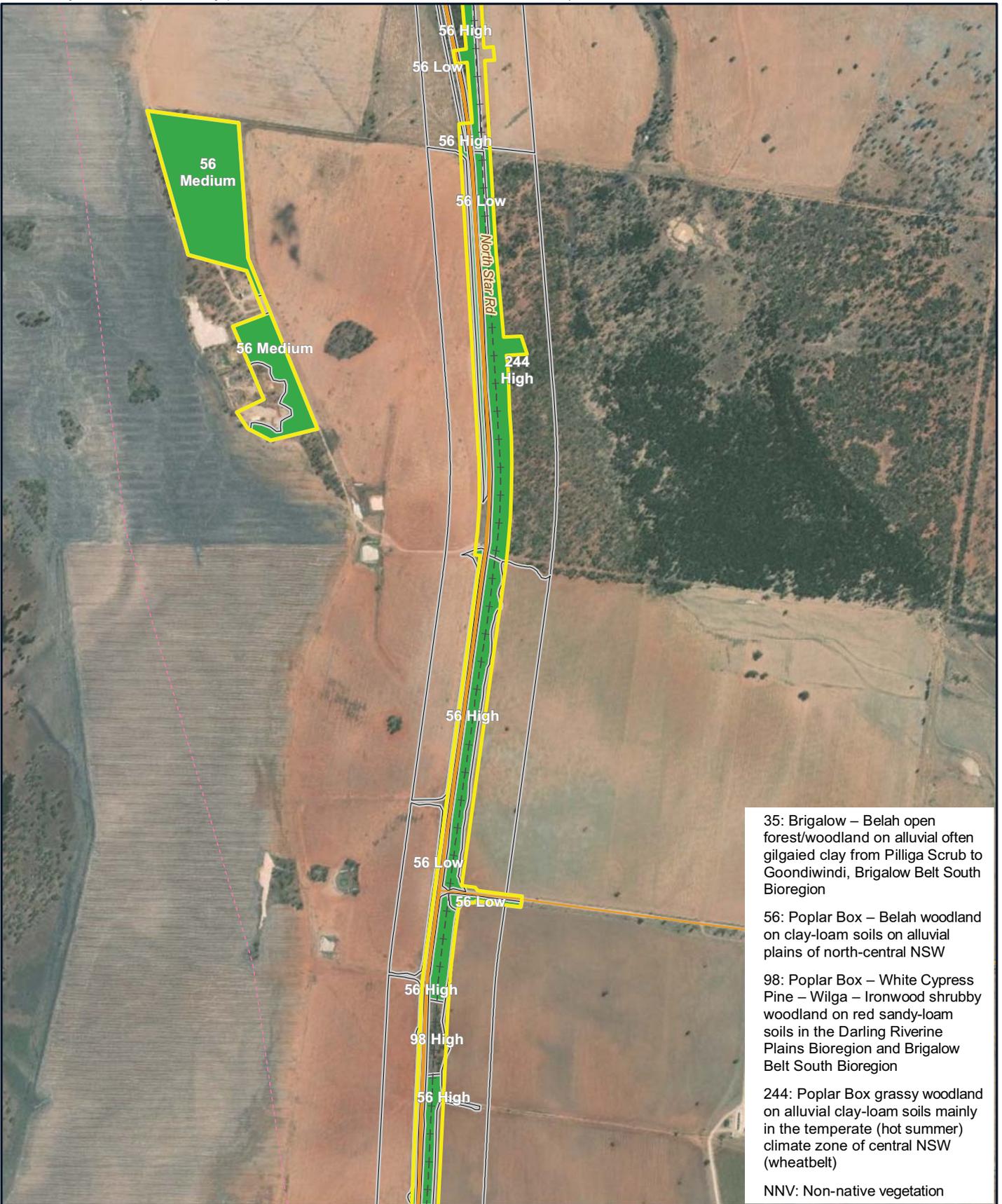
56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land





35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

98: Poplar Box – White Cypress Pine – Wilga – Ironwood shrubby woodland on red sandy-loam soils in the Darling Riverine Plains Bioregion and Brigalow Belt South Bioregion

244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)

NNV: Non-native vegetation

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:05

Legend

- +- Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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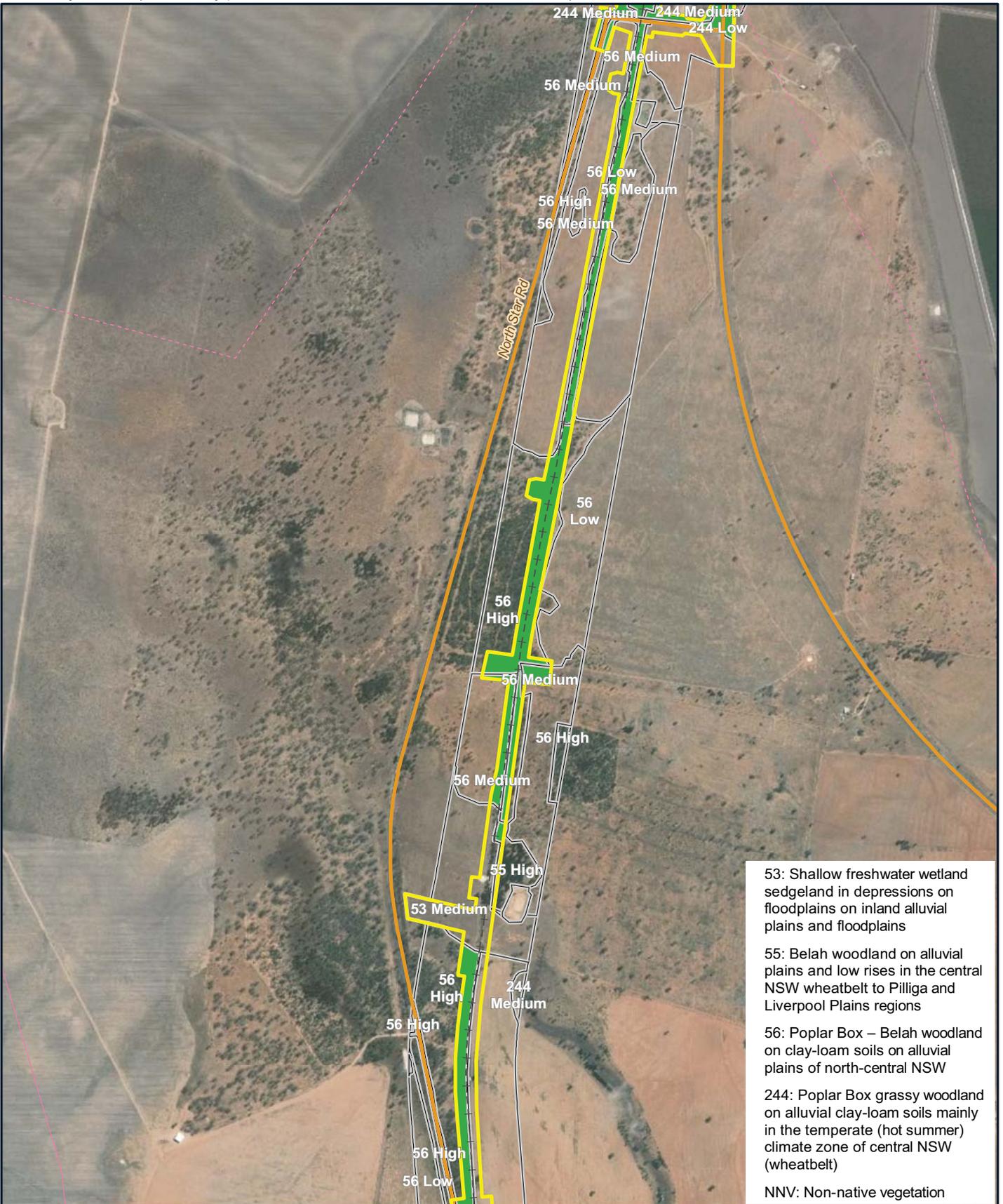


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Swainsona murrayana* (Slender darling pea)

Map by: MFD/TH/IGN Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Lbiodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_flova_v2.mxd Date: 10/07/2020 10:05



- 53: Shallow freshwater wetland sedgeland in depressions on floodplains on inland alluvial plains and floodplains
- 55: Belah woodland on alluvial plains and low rises in the central NSW wheatbelt to Pilliga and Liverpool Plains regions
- 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
- 244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
- NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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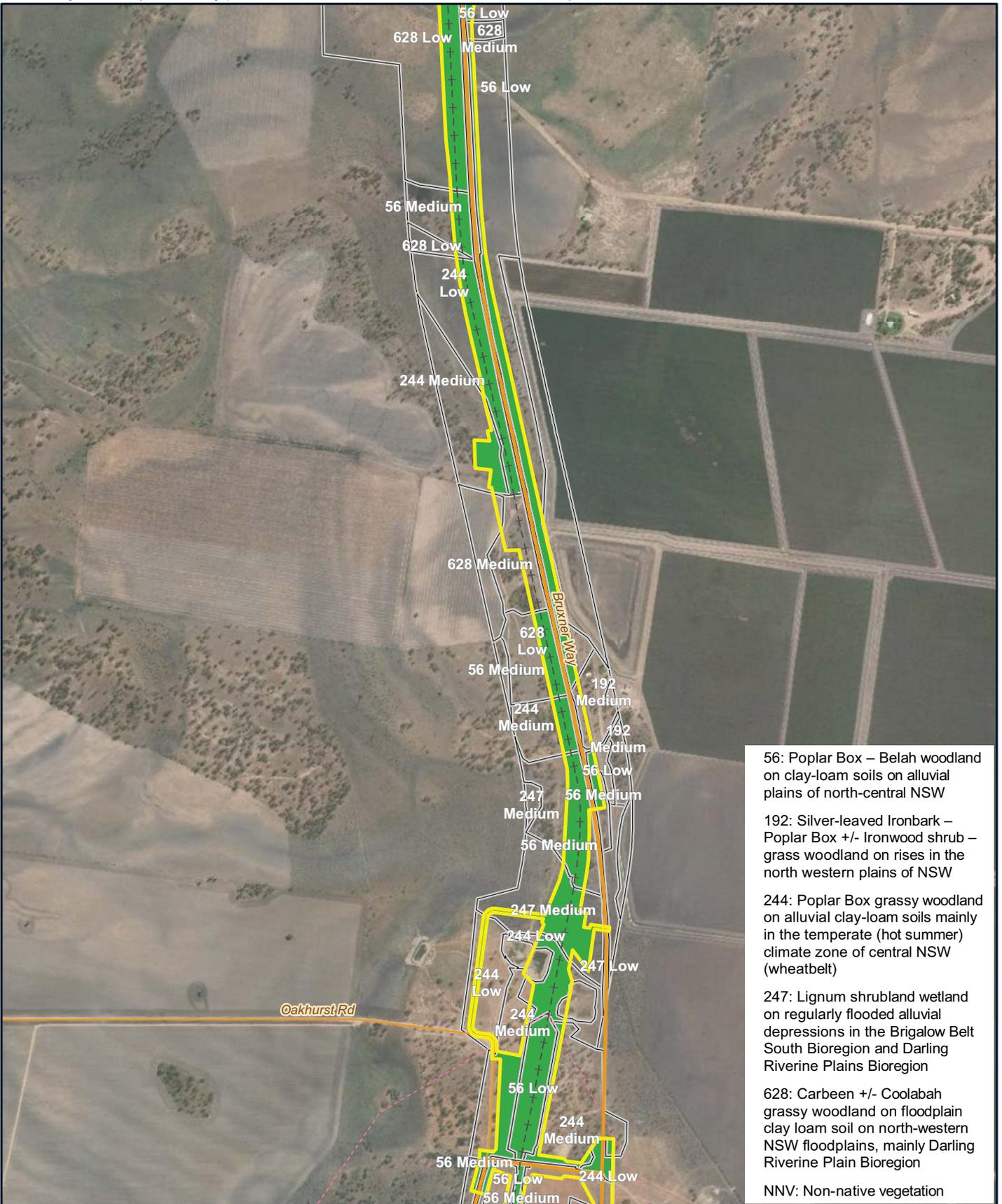


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Swainsona murrayana* (Slender darling pea)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-202\007011428_GIS_Terrestrial_L_biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:05



- 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
- 192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW
- 244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
- 247: Lignum shrubland wetland on regularly flooded alluvial depressions in the Brigalow Belt South Bioregion and Darling Riverine Plains Bioregion
- 628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion
- NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Species-credit species
- Major roads
- Fieldwork PCT (to fieldwork extent)
- Minor roads
- IBRA 7 sub-region boundary
- Subject land



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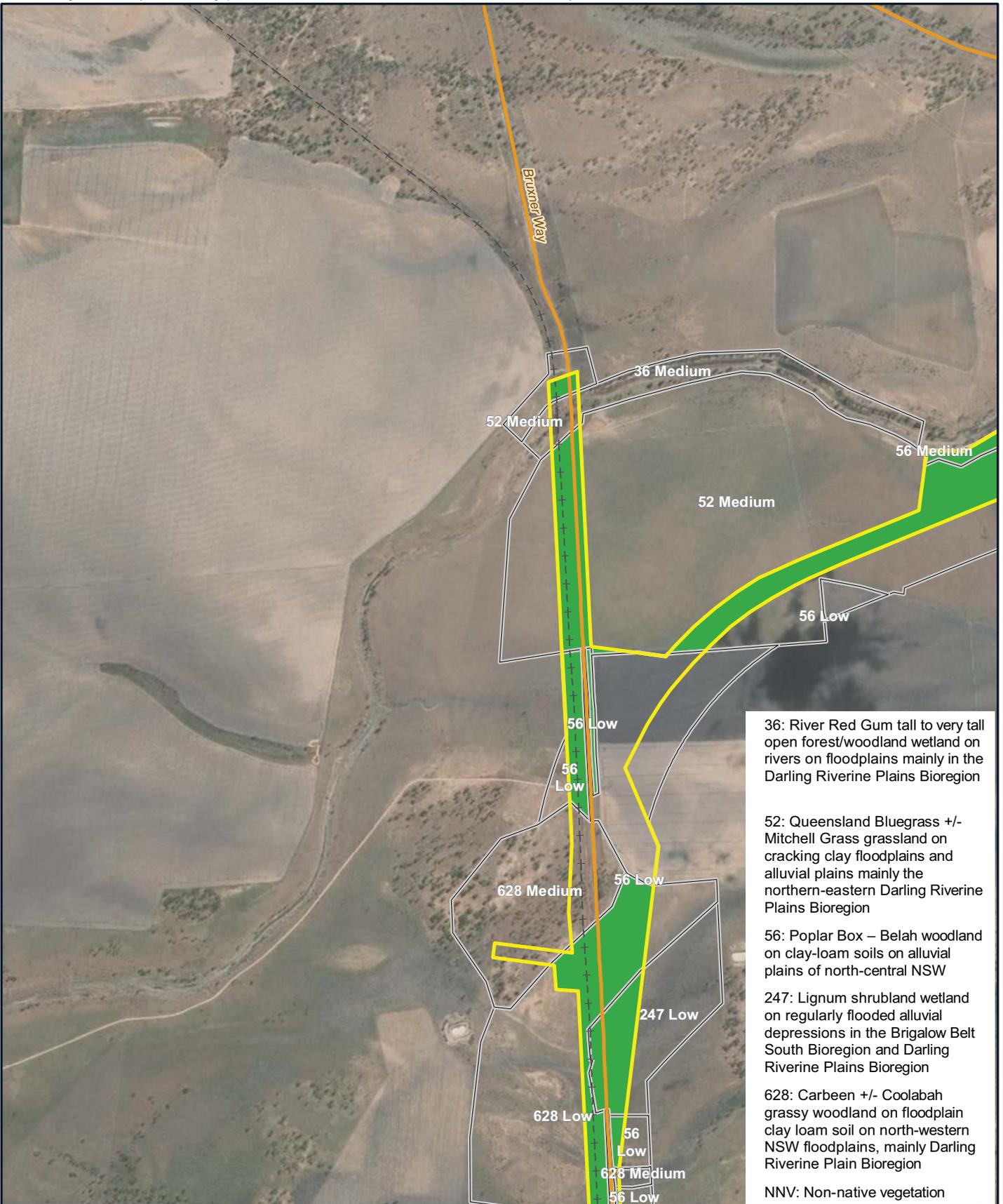


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Swainsona murrayana* (Slender darling pea)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:05



- 36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion
- 52: Queensland Bluegrass +/- Mitchell Grass grassland on cracking clay floodplains and alluvial plains mainly the northern-eastern Darling Riverine Plains Bioregion
- 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
- 247: Lignum shrubland wetland on regularly flooded alluvial depressions in the Brigalow Belt South Bioregion and Darling Riverine Plains Bioregion
- 628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion
- NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



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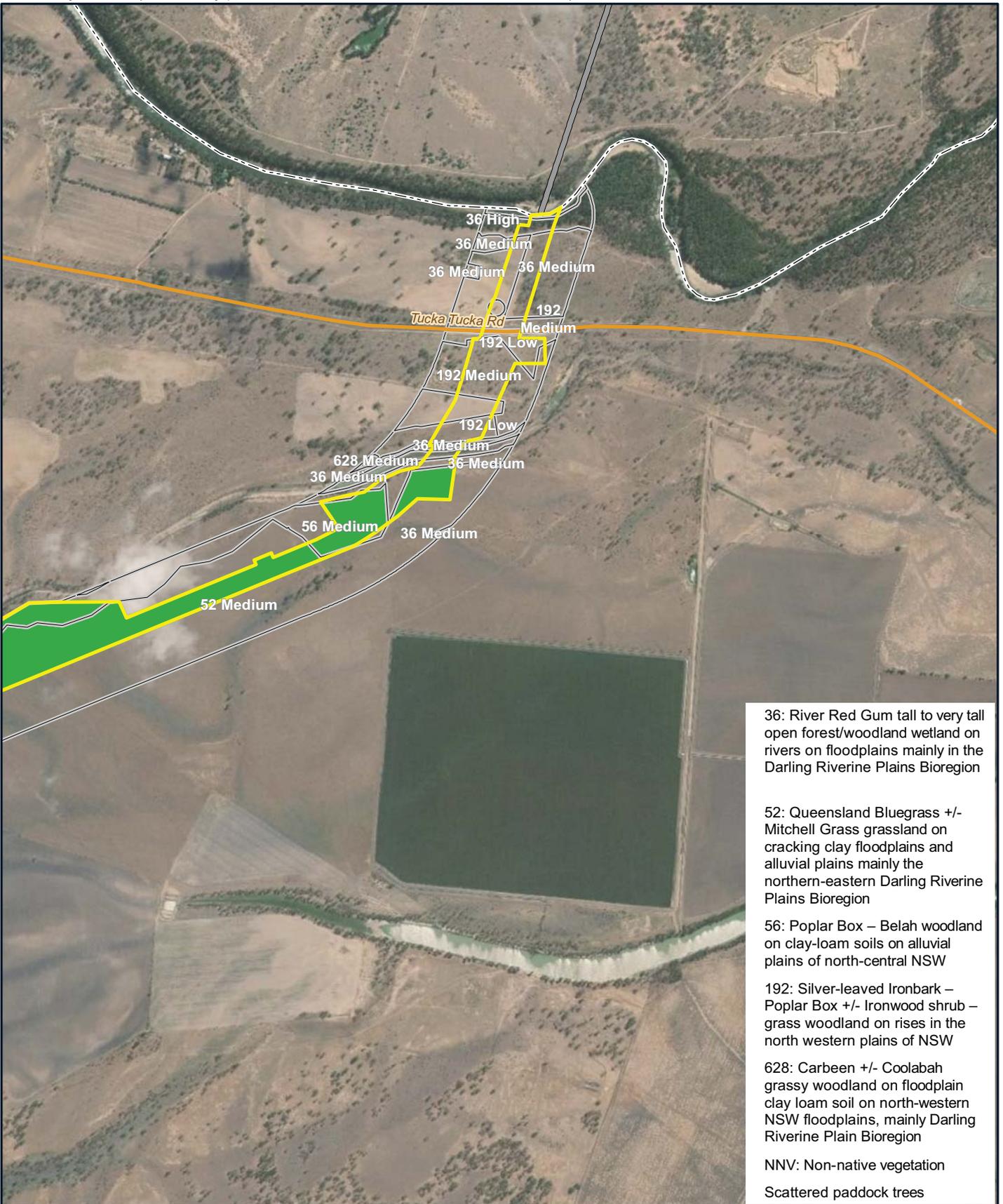


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Swainsona murrayana* (Slender darling pea)

Map by: MFD/TH/IGN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:05



36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion

52: Queensland Bluegrass +/- Mitchell Grass grassland on cracking clay floodplains and alluvial plains mainly the northern-eastern Darling Riverine Plains Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW

628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion

NNV: Non-native vegetation
 Scattered paddock trees

Legend

- Major roads
- NSW/QLD border
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Swainsona murrayana* (Slender darling pea)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NSZBTasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_flova_v2.mxd Date: 10/07/2020 10:05



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

Legend

-  Major roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



A4 scale: 1:20,000
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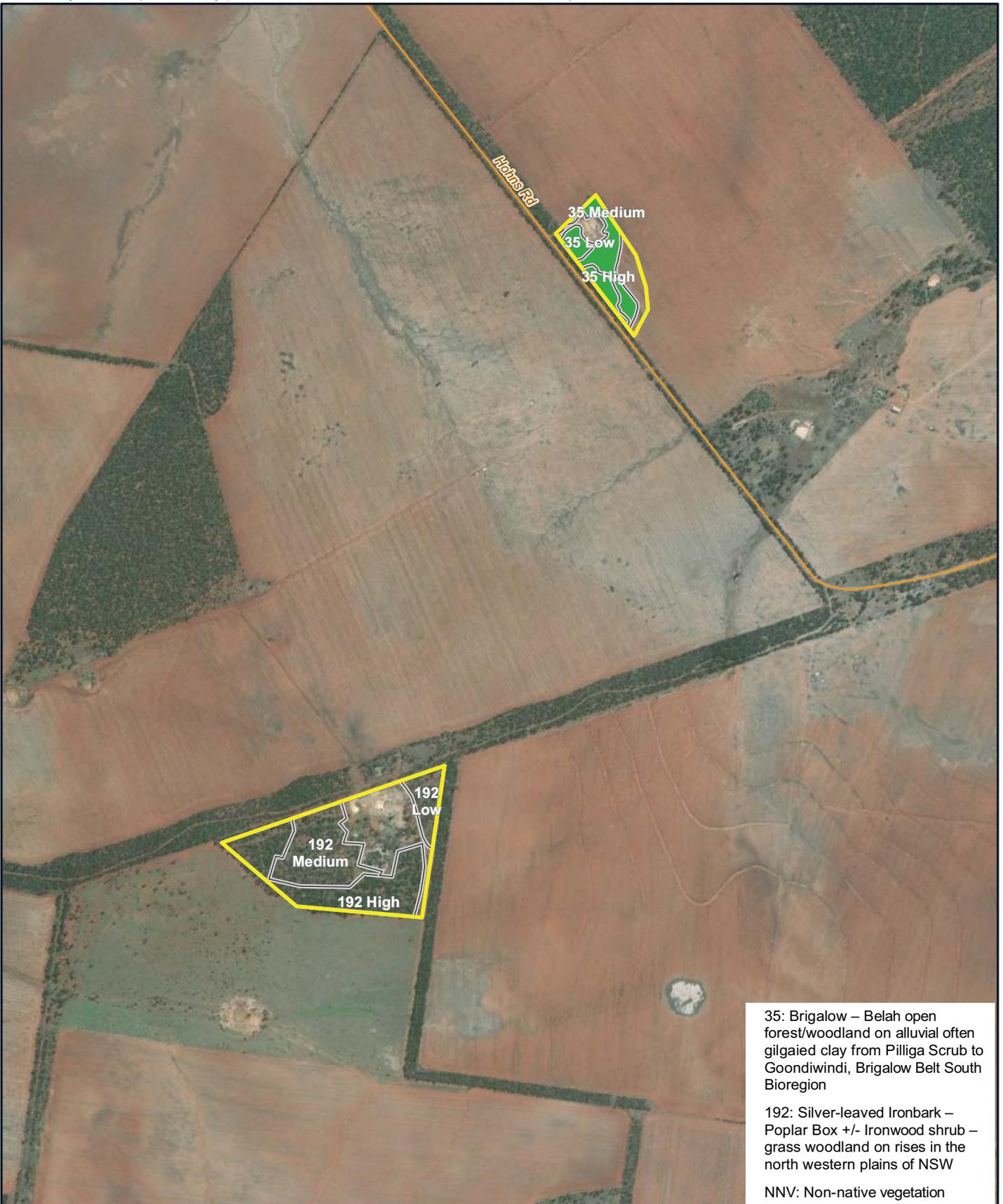


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Swainsona murrayana* (Slender darling pea)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_flores_v2.mxd Date: 10/07/2020 10:05



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW

NNV: Non-native vegetation

Legend

- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Swainsona murrayana* (Slender darling pea)

Map by: MFD/TH/IGN Z:\GIS\GIS_270_NSZ\B1tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_flora_v2.mxd Date: 10/07/2020 10:05



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

NNV: Non-native vegetation

Legend

- Major roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
 0 100 200 300 400 500 m



Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

**Map A.8: *Swainsona murrayana*
 (Slender darling pea)**

Map by: MFD/TH/IGN_Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_flores_v2.mxd Date: 10/07/2020 10:06



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
 NNV: Non-native vegetation

Legend

-  Minor roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



A4 scale: 1:20,000
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Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Swainsona murrayana* (Slender darling pea)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:06



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

NNV: Non-native vegetation

Legend

-  Minor roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



A4 scale: 1:20,000
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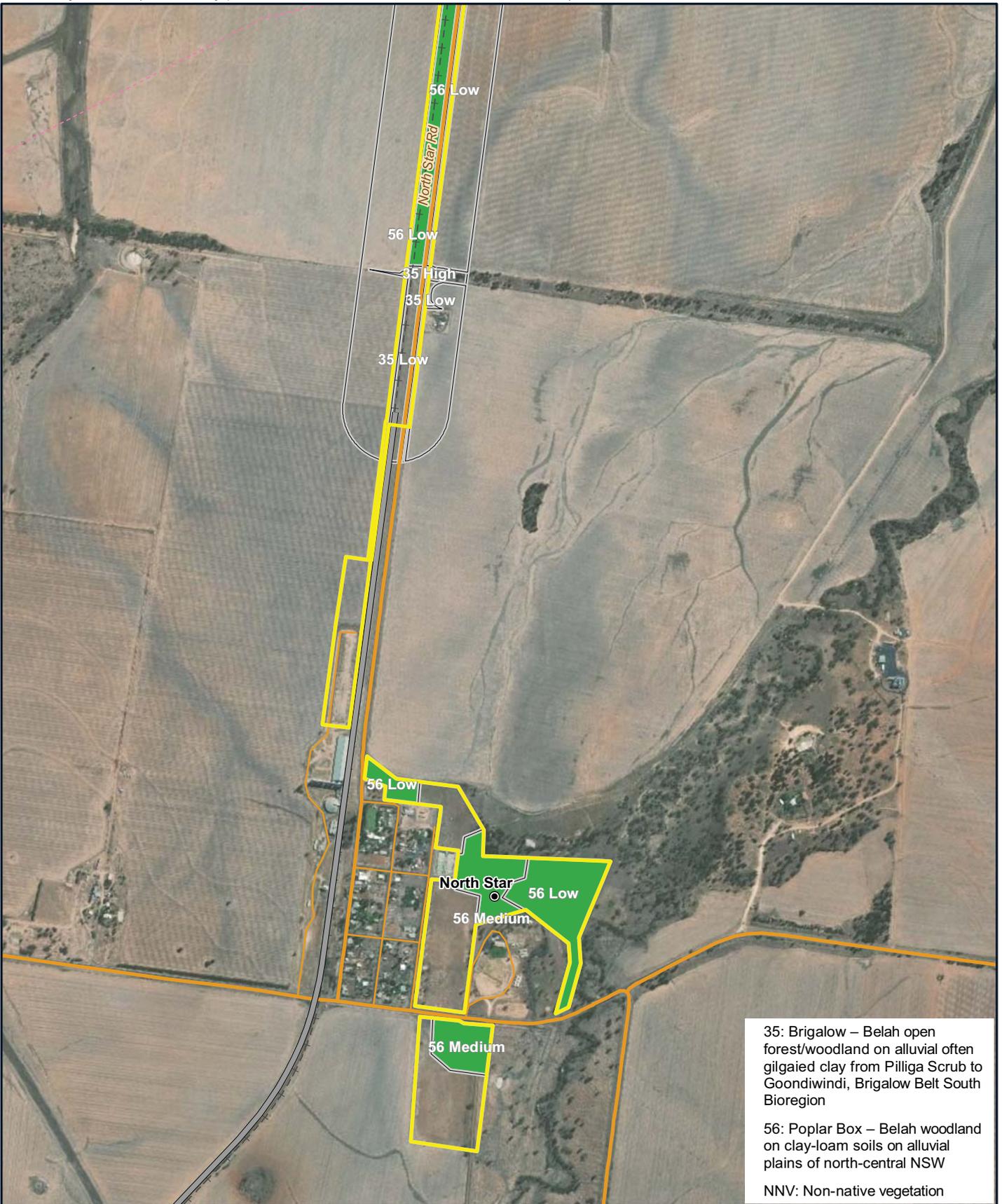


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

**Map A.8: *Swainsona murrayana*
 (Slender darling pea)**

Map by: MFD TH/IGN_Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_L_biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_flores_v2.mxd Date: 10/07/2020 10:06



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
 56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
 NNV: Non-native vegetation

Legend

- Localities
- +- Existing rail (non-operational)
- Adjoining alignments
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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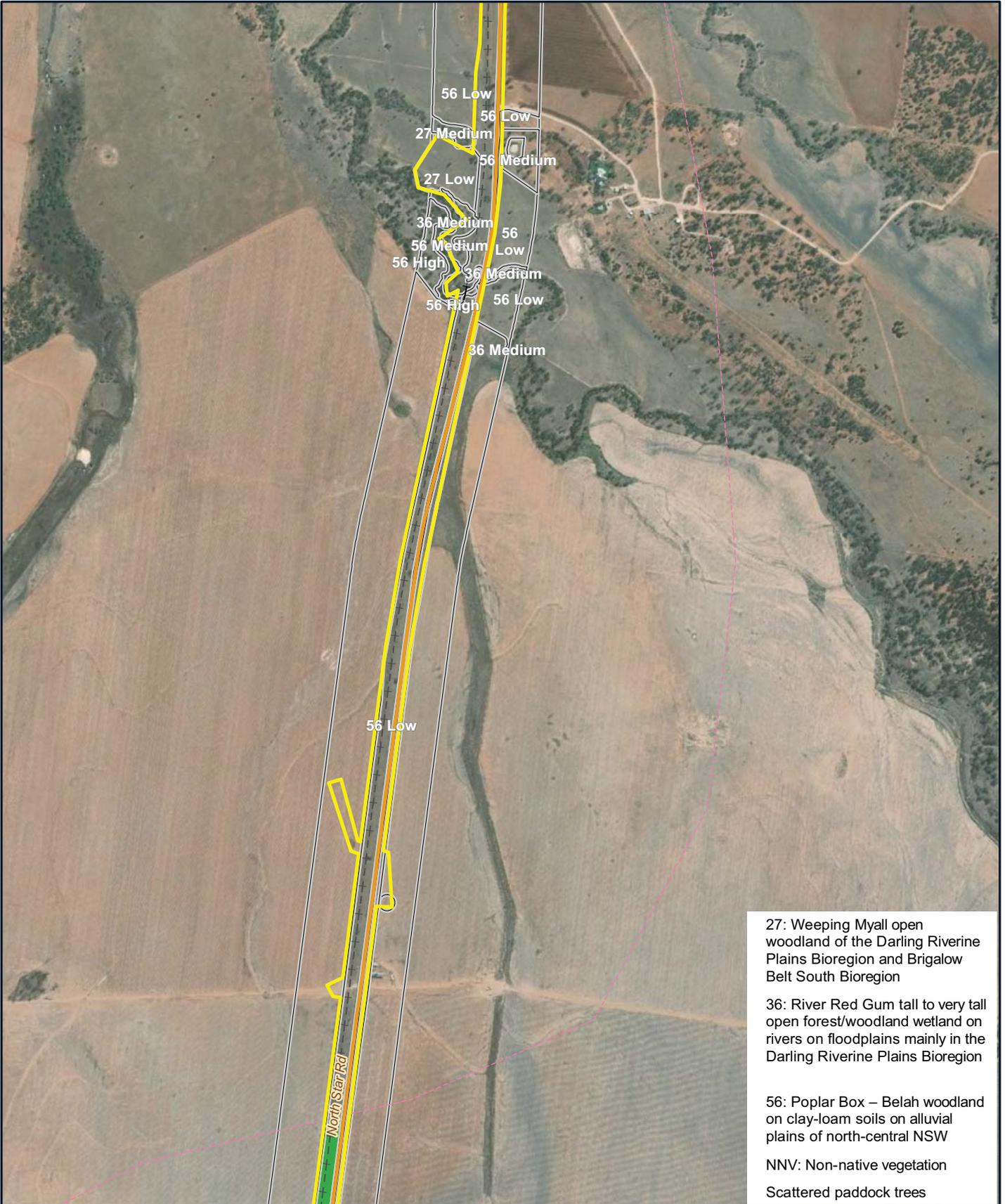


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Swainsona sericea* (Silky swainson-pea)

Map by: MFD/TH/IGN_Z:\GIS\GIS_270_NS2BTasks\270-EAP-202007011428_GIS_Terrestrial_biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:06



27: Weeping Myall open woodland of the Darling Riverine Plains Bioregion and Brigalow Belt South Bioregion

36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

NNV: Non-native vegetation
 Scattered paddock trees

Legend

- +— Existing rail (operational)
- +- Existing rail (non-operational)
- Major roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



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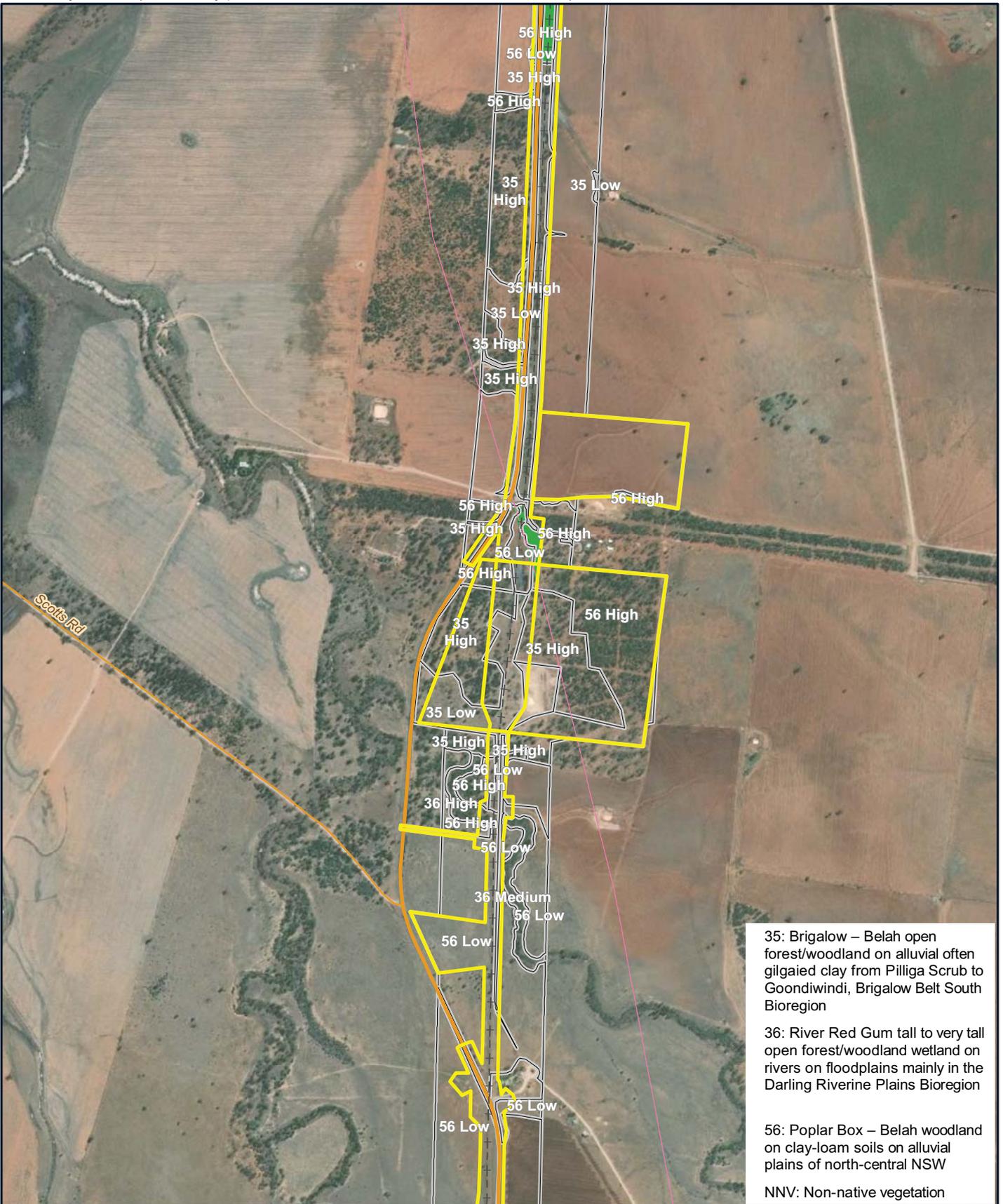


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Swainsona sericea* (Silky swainson-pea)

Map by: MFD/TH/IGN_Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_L_biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS flora_v2.mxd Date: 10/07/2020 10:06



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

36: River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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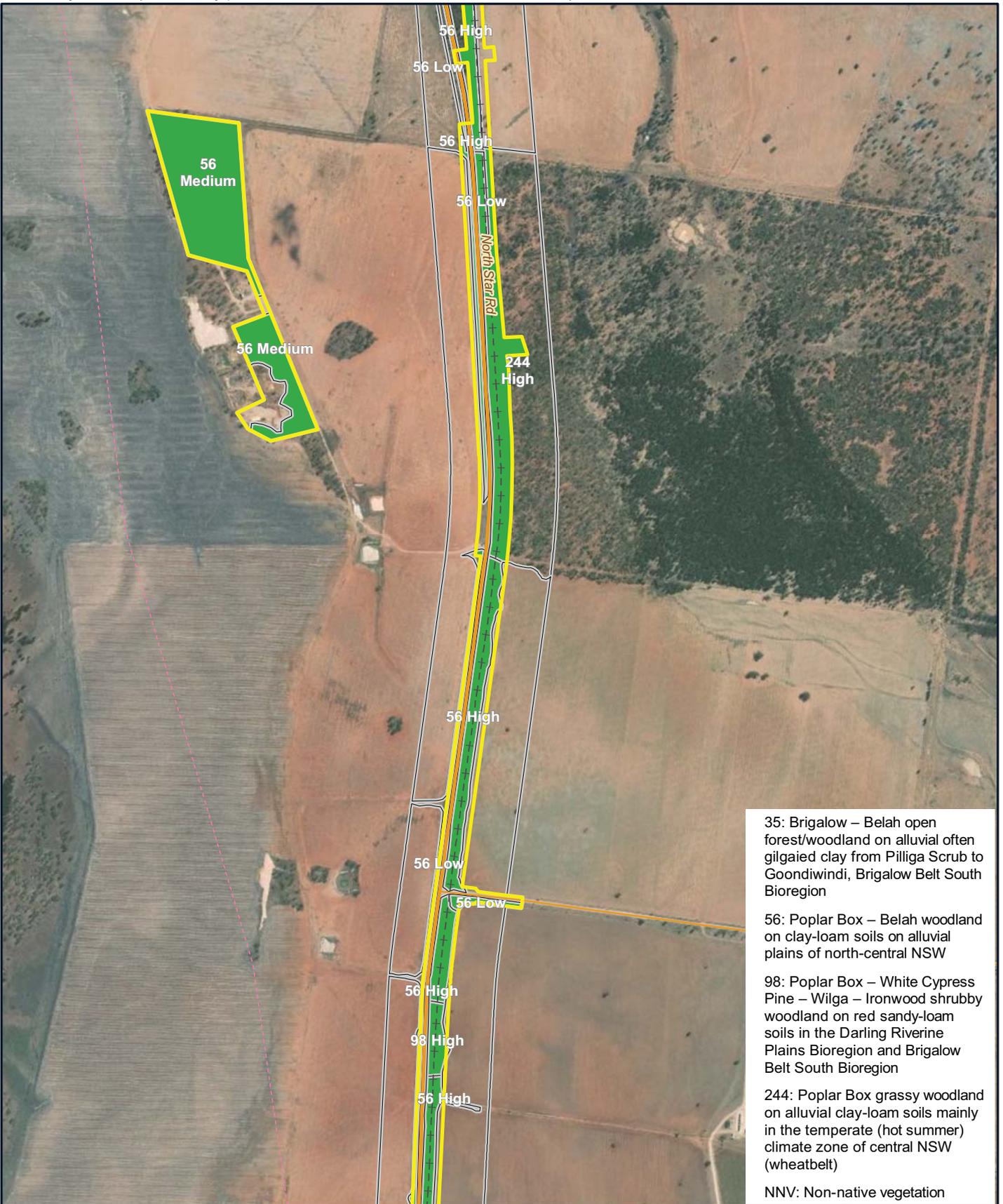


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Swainsona sericea* (Silky swainson-pea)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2BTasks\270-EAP-202\007011428_GIS_Terrestrial_biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:06



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

98: Poplar Box – White Cypress Pine – Wilga – Ironwood shrubby woodland on red sandy-loam soils in the Darling Riverine Plains Bioregion and Brigalow Belt South Bioregion

244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)

NNV: Non-native vegetation

Legend

- + - Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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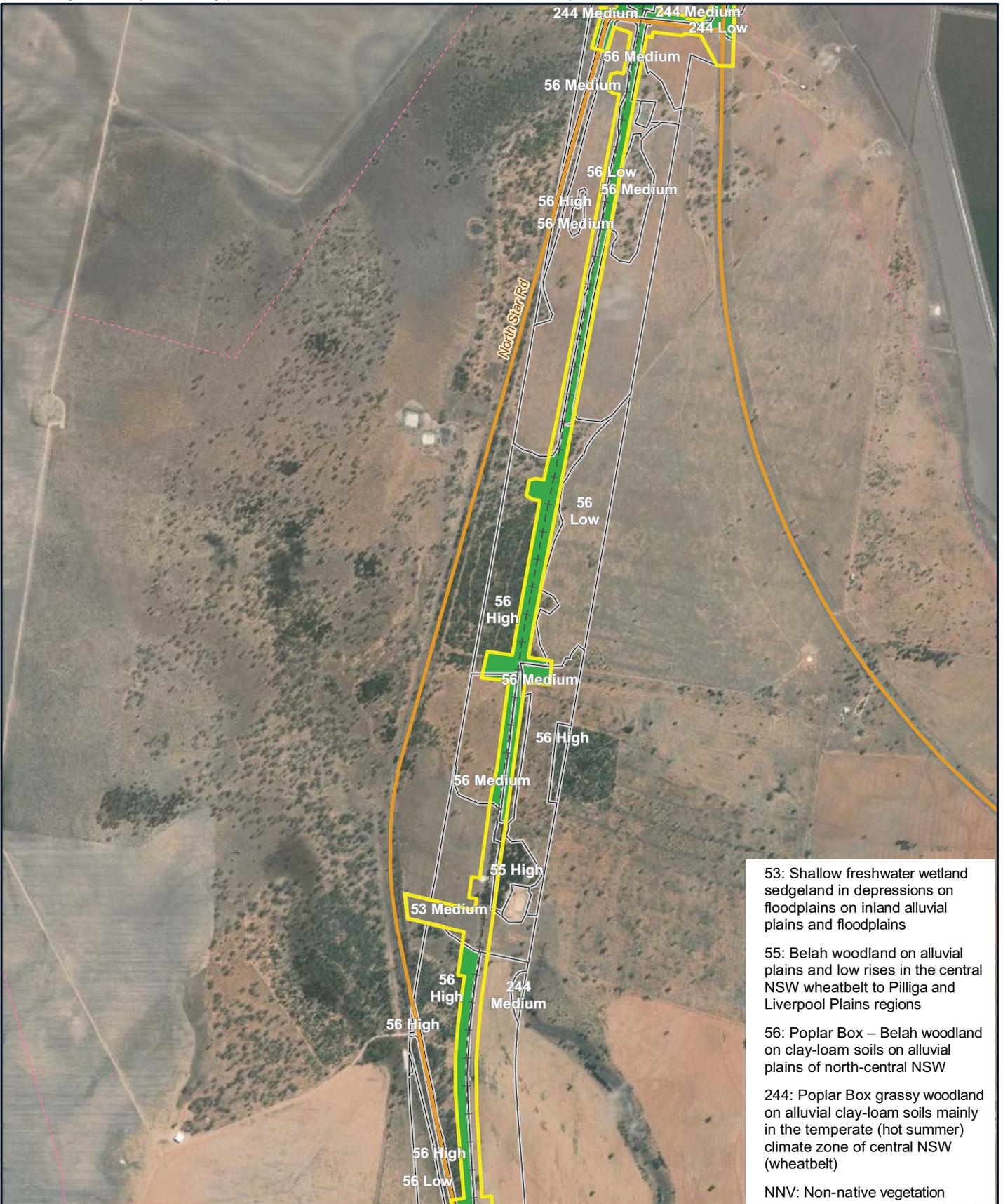


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Swainsona sericea* (Silky swainson-pea)

Map by: MFD/TH/IGN Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Lbiodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_flores_v2.mxd Date: 10/07/2020 10:06



53: Shallow freshwater wetland sedgeland in depressions on floodplains on inland alluvial plains and floodplains

55: Belah woodland on alluvial plains and low rises in the central NSW wheatbelt to Pilliga and Liverpool Plains regions

56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW

244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)

NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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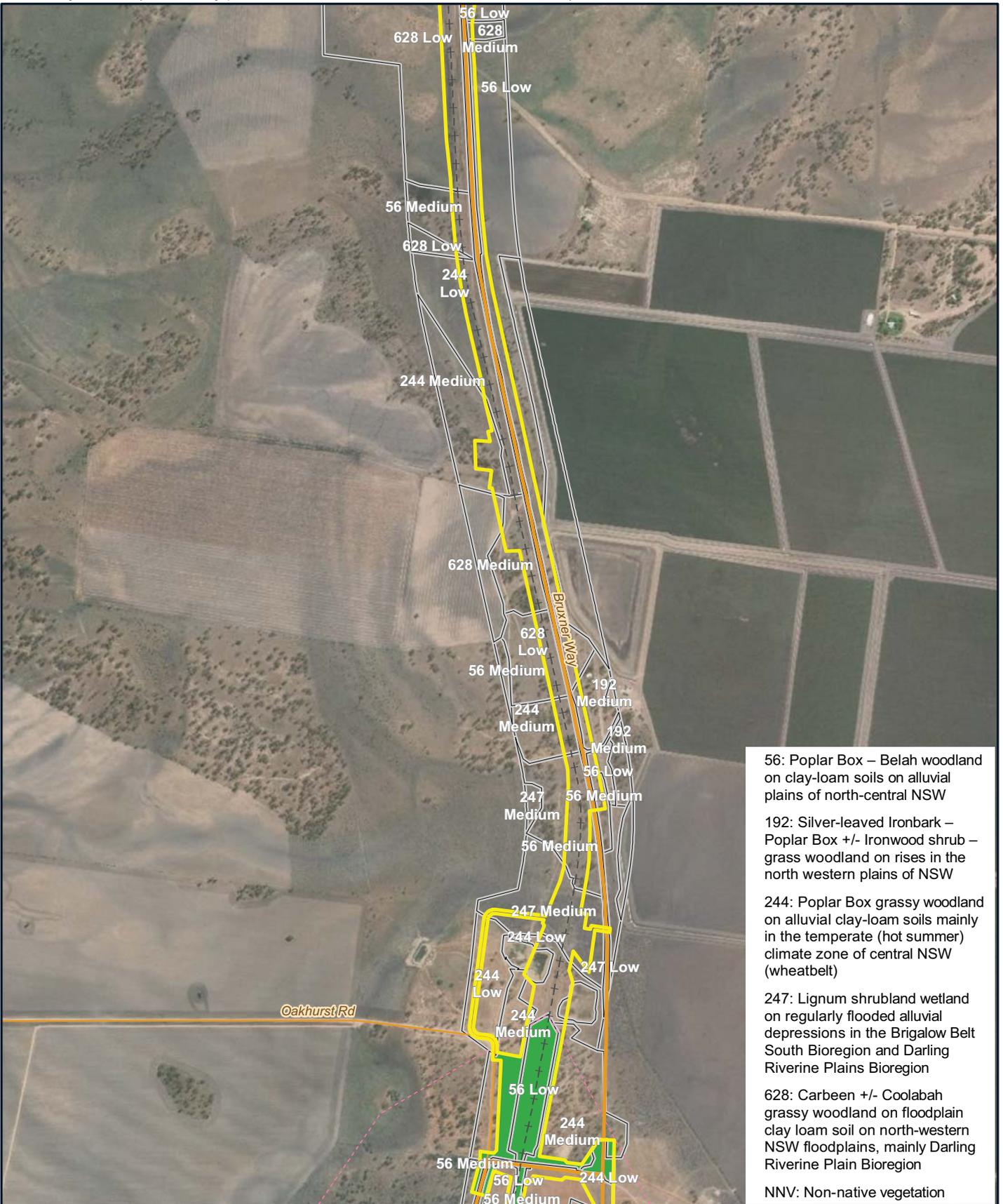


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Swainsona sericea* (Silky swainson-pea)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Lbiodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS flora_v2.mxd Date: 10/07/2020 10:06



56: Poplar Box – Belah woodland on clay-loam soils on alluvial plains of north-central NSW
 192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW
 244: Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
 247: Lignum shrubland wetland on regularly flooded alluvial depressions in the Brigalow Belt South Bioregion and Darling Riverine Plains Bioregion
 628: Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion
 NNV: Non-native vegetation

Legend

- +- Existing rail (non-operational)
- Major roads
- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
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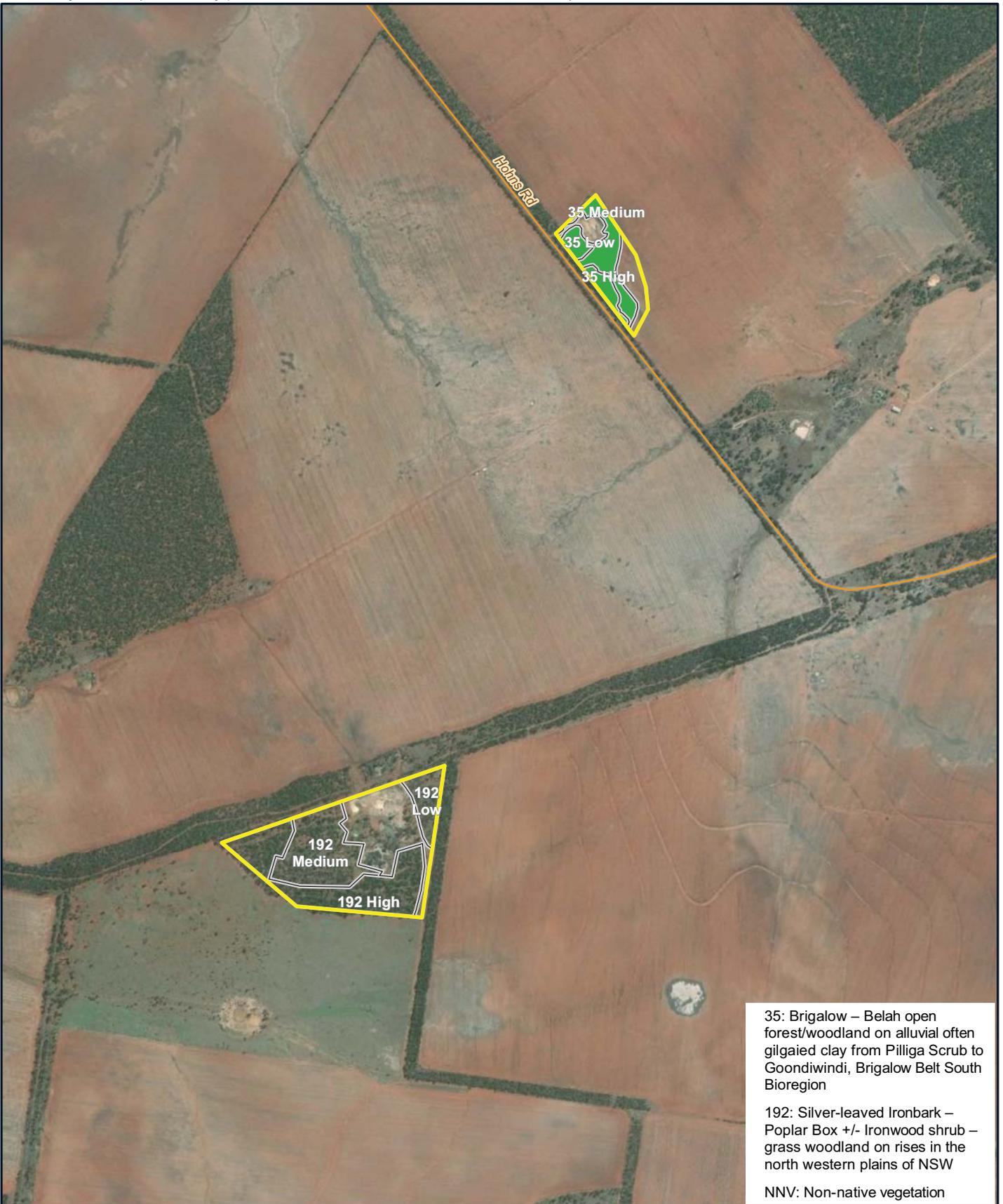


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Swainsona sericea* (Silky swainson-pea)

Map by: MFD TH/IGN_Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202007011428_FFJV_MapA_8_SCS_flores_v2.mxd Date: 10/07/2020 10:06



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

192: Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW

NNV: Non-native vegetation

Legend

-  Minor roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



A4 scale: 1:20,000
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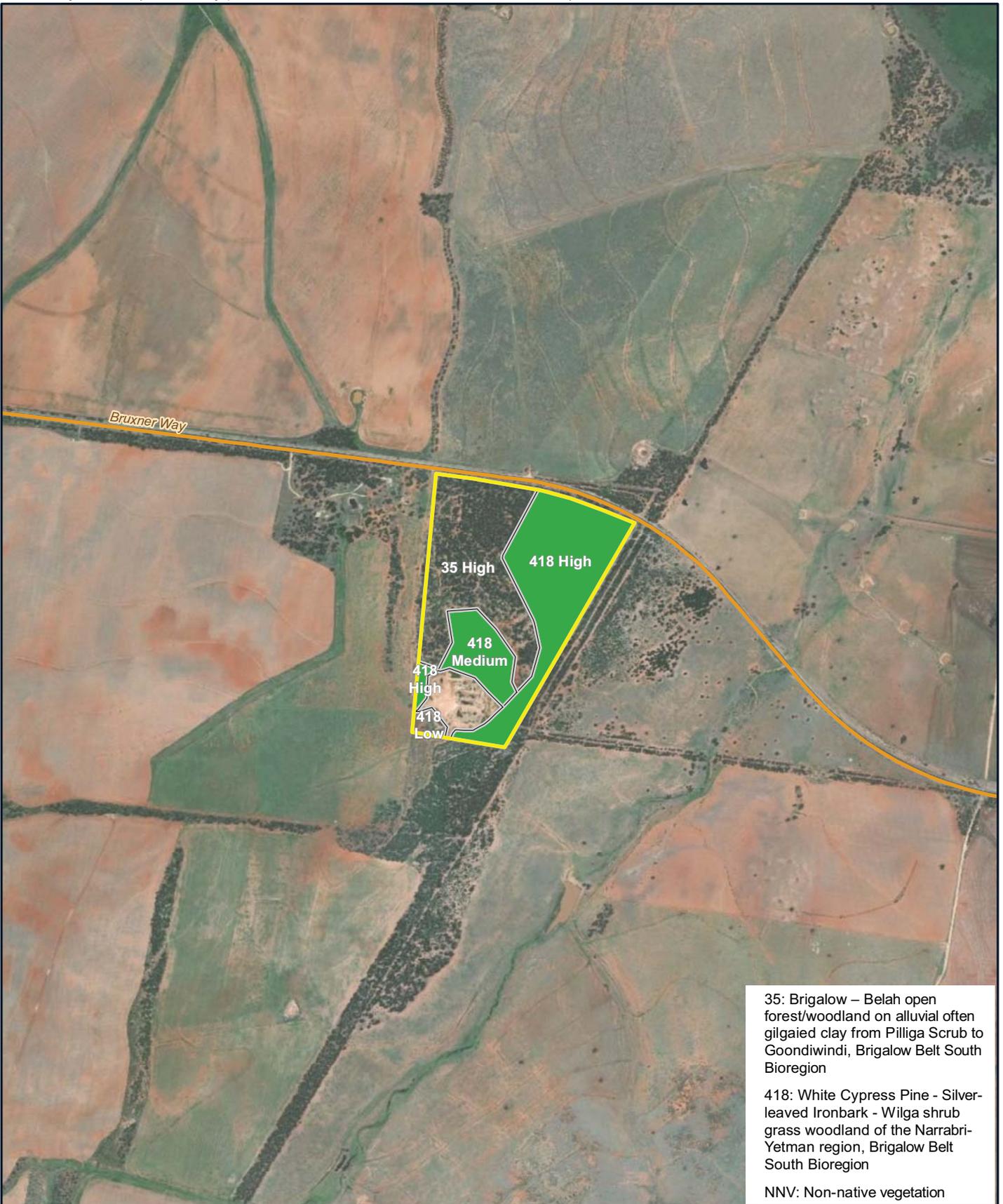


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

**Map A.8: *Swainsona sericea*
 (Silky swainson-pea)**

Map by: MFD/TH/IGN Z:\GIS\GIS_270_NSZBTasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:06



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

NNV: Non-native vegetation

Legend

- Major roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
 0 100 200 300 400 500 m



Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Swainsona sericea* (Silky swainson-pea)

Map by: MFD/TH/IGN_Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:06



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

NNV: Non-native vegetation

Legend

-  Minor roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



A4 scale: 1:20,000
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Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Swainsona sericea* (Silky swainson-pea)

Map by: MFD/TH/IGN Z:\GIS\GIS_270_NSZBTasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:07



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

Legend

-  Major roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



A4 scale: 1:20,000
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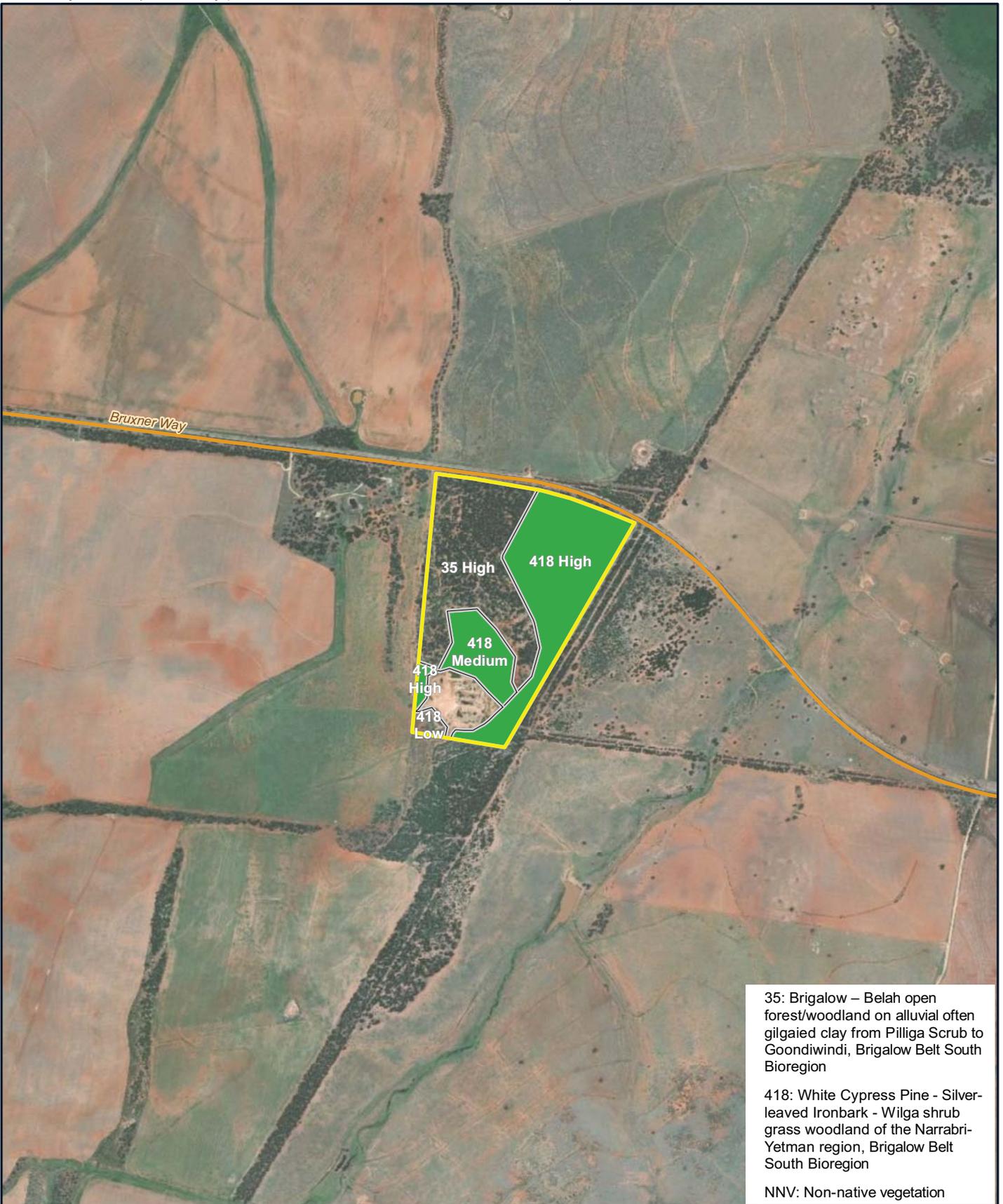


Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Tylophora linearis* (*Tylophora linearis*)

Map by: MFD/TH/IGN Z:\GIS\GIS_270_NSZ\B1tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:07



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

NNV: Non-native vegetation

Legend

-  Major roads
-  Species-credit species
-  Fieldwork PCT (to fieldwork extent)
-  IBRA 7 sub-region boundary
-  Subject land



A4 scale: 1:20,000
 0 100 200 300 400 500 m



Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Tylophora linearis* (*Tylophora linearis*)

Map by: MFD TH/IGN Z:\GIS\GIS_270_NS2B\Tasks\270-EAP-202\007011428_GIS_Terrestrial_Biodiversity\270_EAP_202\007011428_FFJV_MapA_8_SCS_floa_v2.mxd Date: 10/07/2020 10:07



35: Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

418: White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

NNV: Non-native vegetation

Legend

- Minor roads
- Species-credit species
- Fieldwork PCT (to fieldwork extent)
- IBRA 7 sub-region boundary
- Subject land



A4 scale: 1:20,000
 0 100 200 300 400 500 m



Date: 10/07/2020 Version: 2
 Coordinate system: MGA56

NORTH STAR TO NSW/QLD BORDER

Map A.8: *Tylophora linearis* (*Tylophora linearis*)

APPENDIX



B

Biodiversity Technical Report

Appendix B Flora Data

NORTH STAR TO NSW/QUEENSLAND BORDER ENVIRONMENTAL IMPACT STATEMENT



The Australian Government is delivering Inland Rail through the Australian Rail Track Corporation (ARTC), in partnership with the private sector.

Appendix B

Flora data

BAM Flora Plot Locations

Plot identifier	Latitude	Longitude	IBRA subregion	PCT Description
Alignment				
36_CB_High_P1	150.45290050	-28.66637382	Castlereagh-Barwon	River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion
36_CB_High_P2	150.45219300	-28.6662402	Castlereagh-Barwon	River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion
36_CB_Medium_P1	150.44420058	-28.67538242	Castlereagh-Barwon	River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion
36_CB_Medium_P2	150.44919653	-28.67429122	Castlereagh-Barwon	River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion
39_CB_Medium_P1 (changed to 36)	150.43357937	-28.6793642	Castlereagh-Barwon	Coolabah - River Coobah - Lignum woodland wetland of frequently flooded floodplains mainly in the Darling Riverine Plains Bioregion
39_CB_Medium_P10 (changed to 36)	150.41441373	-28.67873463	Castlereagh-Barwon	Coolabah - River Coobah - Lignum woodland wetland of frequently flooded floodplains mainly in the Darling Riverine Plains Bioregion
39_CB_Medium_P2 (changed to 36)	150.43655855	-28.67809715	Castlereagh-Barwon	Coolabah - River Coobah - Lignum woodland wetland of frequently flooded floodplains mainly in the Darling Riverine Plains Bioregion
39_CB_Medium_P3 (changed to 36)	150.44325317	-28.67629076	Castlereagh-Barwon	Coolabah - River Coobah - Lignum woodland wetland of frequently flooded floodplains mainly in the Darling Riverine Plains Bioregion
39_CB_Medium_P4	150.45325790	-28.66843814	Castlereagh-Barwon	Coolabah - River Coobah - Lignum woodland wetland of frequently flooded floodplains mainly in the Darling Riverine Plains Bioregion
52_CB_Medium_P1	150.41824778	-28.68562288	Castlereagh-Barwon	Queensland Bluegrass +/- Mitchell Grass grassland on cracking clay floodplains and alluvial plains mainly the northern-eastern Darling Riverine Plains Bioregion
52_CB_Medium_P10	150.42916822	-28.681344	Castlereagh-Barwon	Queensland Bluegrass +/- Mitchell Grass grassland on cracking clay floodplains and alluvial plains mainly the northern-eastern Darling Riverine Plains Bioregion
56_CB_Medium_P12	150.42494542	-28.68214896	Castlereagh-Barwon	Queensland Bluegrass +/- Mitchell Grass grassland on cracking clay floodplains and alluvial plains mainly the northern-eastern Darling Riverine Plains Bioregion
52_CB_Medium_P2	150.42853581	-28.68147711	Castlereagh-Barwon	Queensland Bluegrass +/- Mitchell Grass grassland on cracking clay floodplains and alluvial plains mainly the northern-eastern Darling Riverine Plains Bioregion

Plot identifier	Latitude	Longitude	IBRA subregion	PCT Description
52_CB_Medium_P3	150.43326597	-28.68080995	Castlereagh-Barwon	Queensland Bluegrass +/- Mitchell Grass grassland on cracking clay floodplains and alluvial plains mainly the northern-eastern Darling Riverine Plains Bioregion
52_CB_Medium_P4	150.43903532	-28.67947333	Castlereagh-Barwon	Queensland Bluegrass +/- Mitchell Grass grassland on cracking clay floodplains and alluvial plains mainly the northern-eastern Darling Riverine Plains Bioregion
52_CB_Medium_P5	150.41471690	-28.68553575	Castlereagh-Barwon	Queensland Bluegrass +/- Mitchell Grass grassland on cracking clay floodplains and alluvial plains mainly the northern-eastern Darling Riverine Plains Bioregion
56_CB_Low_P1	150.41873787	-28.73054976	Castlereagh-Barwon	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_CB_Low_P10	150.41471690	-28.68553575	Castlereagh-Barwon	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_CB_Low_P2	150.41802482	-28.72680279	Castlereagh-Barwon	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_CB_Low_P3	150.41767152	-28.72582069	Castlereagh-Barwon	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_CB_Medium_P2	150.44228760	-28.67881553	Castlereagh-Barwon	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_CB_Medium_P2	150.44228230	-28.67881066	Castlereagh-Barwon	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_CB_Medium_P3	150.41810621	-28.73013636	Castlereagh-Barwon	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_CB_Medium_P4	150.41836646	-28.73140534	Castlereagh-Barwon	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_CB_Medium-P1	150.41493265	-28.71127934	Castlereagh-Barwon	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_CB_Medium_P10	150.42916822	-28.68134400	Castlereagh-Barwon	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
192_CB_Low_P1	150.45196591	-28.67034908	Castlereagh-Barwon	Silver-leaved Ironbark - Poplar Box +/- Ironwood shrub - grass woodland on rises in the north-western plains of NSW
192_CB_Low_P2	150.44951948	-28.67012822	Castlereagh-Barwon	Silver-leaved Ironbark - Poplar Box +/- Ironwood shrub - grass woodland on rises in the north-western plains of NSW
192_CB_Low_P3	150.44942938	-28.67328472	Castlereagh-Barwon	Silver-leaved Ironbark - Poplar Box +/- Ironwood shrub - grass woodland on rises in the north western plains of NSW
192_CB_Medium_P1	150.45142670	-28.67204276	Castlereagh-Barwon	Silver-leaved Ironbark - Poplar Box +/- Ironwood shrub - grass woodland on rises in the north-western plains of NSW
192_CB_Medium_P2	150.44953105	-28.67137855	Castlereagh-Barwon	Silver-leaved Ironbark - Poplar Box +/- Ironwood shrub - grass woodland on rises in the north-western plains of NSW
192_CB_Medium_P3	150.45110932	-28.6707484	Castlereagh-Barwon	Silver-leaved Ironbark - Poplar Box +/- Ironwood shrub - grass woodland on rises in the north-western plains of NSW

Plot identifier	Latitude	Longitude	IBRA subregion	PCT Description
192_CB_Low_P1	150.45196591	-28.67034908	Castlereagh-Barwon	Silver-leaved Ironbark - Poplar Box +/- Ironwood shrub - grass woodland on rises in the north-western plains of NSW
192_CB_Low_P2	150.44951948	-28.67012822	Castlereagh-Barwon	Silver-leaved Ironbark - Poplar Box +/- Ironwood shrub - grass woodland on rises in the north-western plains of NSW
192_CB_Low_P3	150.44942938	-28.67328472	Castlereagh-Barwon	Silver-leaved Ironbark - Poplar Box +/- Ironwood shrub - grass woodland on rises in the north western plains of NSW
192_CB_Medium_P1	150.45142670	-28.67204276	Castlereagh-Barwon	Silver-leaved Ironbark - Poplar Box +/- Ironwood shrub - grass woodland on rises in the north-western plains of NSW
192_CB_Medium_P2	150.44953105	-28.67137855	Castlereagh-Barwon	Silver-leaved Ironbark - Poplar Box +/- Ironwood shrub - grass woodland on rises in the north-western plains of NSW
192_CB_Medium_P3	150.45110932	-28.6707484	Castlereagh-Barwon	Silver-leaved Ironbark - Poplar Box +/- Ironwood shrub - grass woodland on rises in the north-western plains of NSW
244_CB_Low_P1	150.41831349	-28.73827754	Castlereagh-Barwon	Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
244_CB_Low_P2	150.41887994	-28.73713869	Castlereagh-Barwon	Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
244_CB_Low_P3	150.41975308	-28.73924133	Castlereagh-Barwon	Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
244_CB_Low_P4 (not used mapping change)	150.41631759	-28.71622131	Castlereagh-Barwon	Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
244_CB_Medium_P2	150.41882546	-28.73743403	Castlereagh-Barwon	Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
244_CB_Medium_P3	150.41531269	-28.71677037	Castlereagh-Barwon	Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
244_CB_Medium_P4 (not required due to mapping changes)	150.41528653	-28.71899576	Castlereagh-Barwon	Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
244_CB_Medium_P4 (not required due to mapping changes)	150.41527740	-28.7181241	Castlereagh-Barwon	Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
244-CB_Medium_P1	150.41717028	-28.7385761	Castlereagh-Barwon	Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
247_CB_High_P1	150.41978470	-28.73685593	Castlereagh-Barwon	Lignum shrubland wetland on regularly flooded alluvial depressions in the Brigalow Belt South Bioregion and Darling Riverine Plains Bioregion

Plot identifier	Latitude	Longitude	IBRA subregion	PCT Description
247_CB_High_P2	150.41963340	-28.73568623	Castlereagh-Barwon	Lignum shrubland wetland on regularly flooded alluvial depressions in the Brigalow Belt South Bioregion and Darling Riverine Plains Bioregion
247_CB_High_P3	150.41857830	-28.73495473	Castlereagh-Barwon	Lignum shrubland wetland on regularly flooded alluvial depressions in the Brigalow Belt South Bioregion and Darling Riverine Plains Bioregion
247_CB_High_P4	150.41786100	-28.733778	Castlereagh-Barwon	Lignum shrubland wetland on regularly flooded alluvial depressions in the Brigalow Belt South Bioregion and Darling Riverine Plains Bioregion
247_CB_Low_P1	150.42054643	-28.73389225	Castlereagh-Barwon	Lignum shrubland wetland on regularly flooded alluvial depressions in the Brigalow Belt
247_CB_Medium_P1	150.44840469	-28.67684355	Castlereagh-Barwon	South Bioregion and Darling Riverine Plains Bioregion
247_CB_Medium_P2	150.44706557	-28.67591069	Castlereagh-Barwon	Lignum shrubland wetland on regularly flooded alluvial depressions in the Brigalow Belt
247_CB_Medium_P3	150.44910564	-28.67506835	Castlereagh-Barwon	Lignum shrubland wetland on regularly flooded alluvial depressions in the Brigalow Belt
628_CB_Low_P1	150.41444139	-28.70214826	Castlereagh-Barwon	Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion
628_CB_Low_P3	150.41449780	-28.70488014	Castlereagh-Barwon	Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion
628_CB_Low_P4	150.41407451	-28.698969	Castlereagh-Barwon	Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion
628_CB_Low-P2	150.41347400	-28.70922519	Castlereagh-Barwon	Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion
628_CB_Medium_P1	150.41893730	-28.72919313	Castlereagh-Barwon	Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion
628_CB_Medium_P2	150.41724670	-28.72406798	Castlereagh-Barwon	Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion
628_CB_Medium_P3	150.41428530	-28.69565085	Castlereagh-Barwon	Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion
628_CB_Medium_P4	150.41358440	-28.69535112	Castlereagh-Barwon	Carbeen +/- Coolabah grassy woodland on floodplain clay loam soil on north-western NSW floodplains, mainly Darling Riverine Plain Bioregion
Northern Outwash				
35_NO_High_P1	150.4049451	-28.84571148	Northern Outwash	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

Plot identifier	Latitude	Longitude	IBRA subregion	PCT Description
35_NO_High_P2	150.4039553	-28.84356353	Northern Outwash	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
35_NO_High_P3	150.4023914	-28.83953938	Northern Outwash	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
35_NO_Low_P1	150.394886	-28.908185	Northern Outwash	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
35_NO_Low_P2	150.3941876	-28.9120942	Northern Outwash	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
36_NO_High_P1	150.4036432	-28.84862325	Northern Outwash	River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion
36_NO_High_P2	150.4035196	-28.84700704	Northern Outwash	River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion
36_NO_High_P2** (not used due to mapping change)	150.403252	-28.84700704	Northern Outwash	River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion
36_NO_Medium_P1	150.4014232	-28.86838263	Northern Outwash	River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion
36_NO_Medium_P2	150.4047962	-28.8533504	Northern Outwash	River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion
36_NO_Medium_P3	150.4044873	-28.8487706	Northern Outwash	River Red Gum tall to very tall open forest/woodland wetland on rivers on floodplains mainly in the Darling Riverine Plains Bioregion
56_NO_High_P1	150.4008454	-28.86875405	Northern Outwash	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NO_High_P2	150.403955	-28.843564	Northern Outwash	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NO_High_P3	150.402391	-28.839539	Northern Outwash	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NO_Low_P1	150.4019554	-28.86547475	Northern Outwash	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NO_Low_P10	150.4035231	-28.86327925	Northern Outwash	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NO_Low_P2	150.4015687	-28.84762499	Northern Outwash	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NO_Low_P3	150.40282	-28.859851	Northern Outwash	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW

Plot identifier	Latitude	Longitude	IBRA subregion	PCT Description
56_NO_Low_P4	150.4041342	-28.85449866	Northern Outwash	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NO_Low_P5	150.4034097	-28.85160858	Northern Outwash	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NO_Medium_P1	150.4023231	-28.86756263	Northern Outwash	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NO_Medium_P2	150.4053259	-28.86507828	Northern Outwash	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NO_Medium_P3	150.4080043	-28.84510278	Northern Outwash	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
244_NO_Low_P10	150.4194274	-28.74357993	Northern Outwash	Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
Northern Basalts				
27_NB_Medium_P1	150.402641	-28.86463513	Northern Basalts	Weeping Myall open woodland of the Darling Riverine Plains Bioregion and Brigalow Belt South Bioregion
35_NB_High_P1	150.404974	-28.82999737	Northern Basalts	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
35_NB_High_P2	150.4054865	-28.82551443	Northern Basalts	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
35_NB_High_P3	150.4056565	-28.82491483	Northern Basalts	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
35_NB_Low_P1	150.4057888	-28.83135685	Northern Basalts	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
53_NB_Medium_P1	150.4103783	-28.77480453	Northern Basalts	Shallow freshwater wetland sedgeland in depressions on floodplains on inland alluvial plains and floodplains
53_NB_Medium_P2	150.4106277	-28.77023536	Northern Basalts	Shallow freshwater wetland sedgeland in depressions on floodplains on inland alluvial plains and floodplains
53_NB_Medium_P3	150.4089287	-28.77175165	Northern Basalts	Shallow freshwater wetland sedgeland in depressions on floodplains on inland alluvial plains and floodplains
55_NB_High_P1	150.4110052	-28.77182693	Northern Basalts	Belah woodland on alluvial plains and low rises in the central NSW wheatbelt to Pilliga and Liverpool Plains regions
55_NB_High_P2	150.4108453	-28.77285568	Northern Basalts	Belah woodland on alluvial plains and low rises in the central NSW wheatbelt to Pilliga and Liverpool Plains regions
56_NB_High_P1	150.406924	-28.829079	Northern Basalts	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NB_High_P2	150.4073296	-28.81398712	Northern Basalts	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW

Plot identifier	Latitude	Longitude	IBRA subregion	PCT Description
56_NB_High_P3	150.407922	-28.8104767	Northern Basalts	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NB_High_P4	150.4092044	-28.78359437	Northern Basalts	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NB_High_P5	150.4123487	-28.7608752	Northern Basalts	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NB_High_P6 (not used due to mapping changes)	150.4115745	-28.7640265	Northern Basalts	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NB_High_P7 ((NB56HS1) not used due to mapping changes)	150.4095685	-28.79533399	Northern Basalts	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NB_Low_P1	150.409348	-28.795323	Northern Basalts	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NB_Low_P10	150.3958731	-28.93450409	Northern Basalts	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NB_Low_P11	150.398349	-28.92910837	Northern Basalts	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NB_Low_P2	150.40925299	-28.80126431	Northern Basalts	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NB_Low_P3	150.40924192	-28.78950404	Northern Basalts	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NB_Low_P4	150.4095301	-28.78859071	Northern Basalts	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NB_Low_P5	150.4131051	-28.76257718	Northern Basalts	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NB_Low_P6 (not used due to mapping changes)	150.4084195	-28.81240298	Northern Basalts	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NB_Medium_P1	150.4112215	-28.77066673	Northern Basalts	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NB_Medium_P10	150.3972509	-28.92815663	Northern Basalts	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NB_Medium_P2	150.4119937	-28.76904295	Northern Basalts	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NB_Medium_P3	150.415686	-28.75024018	Northern Basalts	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
56_NB_Medium_P4	150.4158318	-28.74953043	Northern Basalts	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
98_NB_High_P1	150.406924	-28.81756672	Northern Basalts	Poplar Box - White Cypress Pine - Wilga - Ironwood shrubby woodland on red sandy-loam soils_DRP and BBS

Plot identifier	Latitude	Longitude	IBRA subregion	PCT Description
244_NB_High_P1	150.4107944	-28.80051358	Northern Basalts	Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
244_NB_High_P2	150.4107701	-28.79907168	Northern Basalts	Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
244_NB_High_P3	150.4105351	-28.79165267	Northern Basalts	Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
244_NB_High_P4	150.4105868	-28.78899397	Northern Basalts	Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
244_NB_Medium_P1	150.4183716	-28.74225478	Northern Basalts	Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
244_NB_Medium_P2	150.4184587	-28.7418108	Northern Basalts	Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
244_NB_Medium_P3	150.4164754	-28.74138605	Northern Basalts	Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt)
244_NB_Low_P10	150.4194207	-28.74357993	Northern Basalts	Poplar Box grassy woodland on alluvial clay-loam soils mainly in the temperate (hot summer) climate zone of central NSW (wheatbelt).
Borrow pit data				
Northern outwash				
Borrow pit 2				
BP2_35_Low_P1	150.37199	-29.01344	Northern Outwash	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
BP2_35_Low_P2	150.37381	-29.01531	Northern Outwash	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
BP2_418_Medium_P1	150.3716037	-29.01414462	Northern Outwash	White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion
BP2_418_Medium_P3	150.37129	-29.01793	Northern Outwash	White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion
BP2_418_Medium_P4	150.37137	-29.01373	Northern Outwash	White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion
BP2_418_High_P1	150.3710483	-29.01584908	Northern Outwash	White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

Plot identifier	Latitude	Longitude	IBRA subregion	PCT Description
BP2_418_High_P3	150.3730063	-29.0150686	Northern Outwash	White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion
Borrow pit 5				
BP5_192_High_P1	150.2879864	-28.84455794	Northern Outwash	Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW
BP5_192_High_P2	150.28798641	-28.84455794	Northern Outwash	Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW
BP5_192_High_P3	150.2933224	-28.8454622	Northern Outwash	Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW
BP5_192_Medium_P1	150.28946528	-28.84448874	Northern Outwash	Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW
BP5_192_Medium_P1a	150.2894653	-28.84448874	Northern Outwash	Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW
BP5_192_Medium_P3	150.2901117	-28.84333774	Northern Outwash	Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW
BP5_192_Low_P2	150.294542	-28.84282682	Northern Outwash	Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW
BP5_192_Low_P1	150.29515	-28.84132	Northern Outwash	Silver-leaved Ironbark – Poplar Box +/- Ironwood shrub – grass woodland on rises in the north western plains of NSW
Borrow pit 7				
BP7_35_High_P1	150.40695	-28.84439	Northern Outwash	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
BP7_35_High_P2	150.40732	-28.84223	Northern Outwash	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
BP7_35_High_P4	150.40807	-28.8422	Northern Outwash	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
BP7_35_Low_P3	150.40173	-28.84517	Northern Outwash	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
BP7_35_High_P5	150.40419	-28.84129	Northern Outwash	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
BP7_35_Low_P7	150.4045	-28.84269	Northern Outwash	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
BP7_35_Low_P8	150.40416	-28.8455	Northern Outwash	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

Plot identifier	Latitude	Longitude	IBRA subregion	PCT Description
BP7_56_High_P1	150.409269	-28.84164535	Northern Outwash	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
BP7_56_High_P2	150.4078073	-28.84111297	Northern Outwash	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
BP7_56_High_P3	150.4094735	-28.84406055	Northern Outwash	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
BP7_56_Low_P6	150.40546	-28.83992	Northern Outwash	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
Borrow pit 13				
BP13_418_High_P3 (1)	150.3730063	-29.0150686	Northern Outwash	White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion
BP13_418_Low_P2	150.26262	-28.75122	Northern Outwash	White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion
Borrow pit 26				
BP26_35_High_P1	150.30104	-28.82442	Northern Outwash	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
BP26_35_Medium_P 2	150.30142	-28.82379	Northern Outwash	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
BP26_35_Medium_P 3	150.30212	-28.82292	Northern Outwash	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
BP26_35_Low_P4	150.30081	-28.82377	Northern Outwash	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
Northern Basalts				
Borrow pit 1				
BP1_147_High_P1	150.42126	-28.98684	Northern Basalts	Mock Olive - Wilga - Peach Bush - Carissa semi-evergreen vine thicket (dry rainforest) mainly on basalt soils in the Brigalow Belt South Bioregion
BP1_147_Medium_P 1	150.4212876	-28.98852164	Northern Basalts	Mock Olive - Wilga - Peach Bush - Carissa semi-evergreen vine thicket (dry rainforest) mainly on basalt soils in the Brigalow Belt South Bioregion
BP1_417_Medium_P 2	150.4200313	-28.98747512	Northern Basalts	Mock Olive - Wilga - Peach Bush - Carissa semi-evergreen vine thicket (dry rainforest) mainly on basalt soils in the Brigalow Belt South Bioregion
Borrow pit 8				
BP8_56_Medium_P1	150.39861	-28.78641	Northern Basalts	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
BP8_56_Meidum_P2	150.40111	-28.79309	Northern Basalts	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW

Plot identifier	Latitude	Longitude	IBRA subregion	PCT Description
BP8_244_Medium_P1 (mapped as 56)	150.9759443	-28.78825183	Northern Basalts	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
BP8_244_Medium_P2 (mapped as 56)	150.4023953	-28.79516744	Northern Basalts	Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW
Borrow pit 9				
BP9_35_High_P1 (recorded Medium)	150.55855	-28.79179	Northern Basalts	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
BP9_35_High_P2 (recorded Medium)	150.5615657	-28.7913367	Northern Basalts	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
BP9_35_High_P3 (recorded Medium)	150.559469	-28.79396539	Northern Basalts	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
BP9_35_High_P4 (recorded Medium)	150.5600221	-28.79077926	Northern Basalts	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
BP9_418_High_P1	150.5643336	-28.79191028	Northern Basalts	White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion
BP9_418_High_P2	150.5629514	-28.79312096	Northern Basalts	White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion
BP9_418_High_P3	150.56309	-28.7948944	Northern Basalts	White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion
BP9_418_High_P3b	150.5629623	-28.79256758	Northern Basalts	White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion
BP9_418_Medium_P1	150.5607599	-28.7968128	Northern Basalts	White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion
BP9_4185_Medium_P2	150.5602222	-28.79569349	Northern Basalts	White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion
BP9_418_Medium_P3	150.5592573	-28.79522217	Northern Basalts	White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion
BP9_418_Low_P1	150.557488	-28.798349	Northern Basalts	White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion
Borrow pit 11				
BP11_35_High_P2	150.56552	-28.82442	Northern Basalts	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion

Plot identifier	Latitude	Longitude	IBRA subregion	PCT Description
BP11_35_High_P3	150.56532	-28.82837	Northern Basalts	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
BP11_35_High_P4	150.56544	-28.82671	Northern Basalts	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
BP11_35_Low_P1	150.56311	-28.82548	Northern Basalts	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
Borrow pit 25				
BP25_35_Medium_P1	150.5334	-28.86585	Northern Basalts	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
BP25_35_Medium_P2	150.53308	-28.86543	Northern Basalts	Brigalow - Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion
BP25_418_Low_P1	150.532662	-28.864164	Northern Basalts	White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion
BP25_418_Low_P3	150.53375	-28.86402	Northern Basalts	White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion
BP25_418_Medium_P1	150.5318457	-28.86539287	Northern Basalts	White Cypress Pine - Silver-leaved Ironbark - Wilga shrub grass woodland of the Narrabri-Yetman region, Brigalow Belt South Bioregion

Flora species observed

Family	Scientific name	Common name	Conservation status		Primary growth form	Primary growth form group/Exotic/HTE
			BC Act	EPBC Act		
Amaranthaceae	<i>Ptilotus exaltatus</i> var. <i>semilanatus</i>	Tall mulla mulla	Protected	-	F	Forb (FG)
Asteraceae	<i>Calocephalus</i> spp.	Beauty-heads	Protected	-	F	Forb (FG)
Asteraceae	<i>Crassocephalum crepidioides</i>	Thickhead	Exotic	-	-	-
Capparaceae	<i>Capparis sarmentosa</i>	-	Protected	-	Vine	Other (OG)
Celastraceae	<i>Cassine australis</i> var. <i>angustifolia</i>		Protected	-	Shrub	Shrub (SG)
Crassulaceae	<i>Bryophyllum</i> spp.	Mother of millions	Protected	-	ZZ	High Threat Exotic
Lamiaceae	<i>Spartothamnella juncea</i>	Bead bush	Protected	-	Shrub	Shrub (SG)
Meliaceae	<i>Melia azedarach</i>	White cedar	Protected	-	T	Tree (TG)
Poaceae	<i>Austrodanthonia</i> spp.	Wallaby grass	Protected	-	TG	Grass & Grasslike (GG)
Poaceae	<i>Eragrostis pilosa</i>	Soft lovegrass	Exotic (Naturalised)	-	E	Naturalised
Acanthaceae	<i>Brunoniella australis</i>	Blue trumpet	Protected	-	F	Forb (FG)
Acanthaceae	<i>Rostellularia adscendens</i>	Pink tongues	Protected	-	F	Forb (FG)
Aizoaceae	<i>Tetragonia tetragonioides</i>	New Zealand spinach	Protected	-	F	Forb (FG)
Amaranthaceae	<i>Alternanthera denticulata</i>	Lesser joyweed	Protected	-	F	Forb (FG)
Amaranthaceae	<i>Alternanthera</i> spp.	Joyweed	Protected	-	F	Forb (FG)
Amaranthaceae	<i>Gomphrena celosioides</i>	Gomphrena weed	Exotic	-	E	Naturalised
Amaranthaceae	<i>Ptilotus nobilis</i>	Yellowtails	Protected	-	F	Forb (FG)
Amaryllidaceae	<i>Crinum flaccidum</i>	Darling lily	Protected	-	F	Forb (FG)
Anthericaceae	<i>Arthropodium milleflorum</i>	Pale vanilla-lily	Protected	-	F	Forb (FG)
Anthericaceae	<i>Arthropodium</i> spp.	-	Protected	-	F	Forb (FG)
Anthericaceae	<i>Tricoryne elatior</i>	Yellow autumn-lily	Protected	-	F	Forb (FG)
Apiaceae	<i>Ammi majus</i>	Bishop's weed	Exotic	-	E	Naturalised
Apiaceae	<i>Daucus glochidiatus</i>	Native carrot	Protected	-	F	Forb (FG)
Apiaceae	<i>Eryngium paludosum</i>	Long eryngium	Protected	-	F	Forb (FG)

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Apiaceae	<i>Hydrocotyle spp.</i>	Hydrocotyle	Protected	-	F	Forb (FG)
Apocynaceae	<i>Alstonia constricta</i>	Quinine bush	Protected	-	T	Tree (TG)
Apocynaceae	<i>Carissa ovata</i>	Current bush	Protected	-	Vine	Other (OG)
Apocynaceae	<i>Gomphocarpus physocarpus</i>	Balloon cotton bush	Exotic	-	E	Naturalised
Apocynaceae	<i>Parsonsia eucalyptophylla</i>	Gargaloo	Protected	-	V	Other (OG)
Apocynaceae	<i>Parsonsia sp.</i>	-	Protected	-	V	Other (OG)
Apocynaceae	<i>Parsonsia strainea</i>	-	Protected	-	Vine	Other (OG)
Asphodelaceae	<i>Bulbine bulbosa</i>	Bulbine lily	Protected	-	F	Forb (FG)
Asphodelaceae	<i>Bulbine semibarbata</i>	Wild onion	Protected	-	F	Forb (FG)
Asteraceae	<i>Brachyscome ciliaris</i>	Variable daisy	Protected	-	F	Forb (FG)
Asteraceae	<i>Brachyscome curvicarpa</i>	-	Protected	-	F	Forb (FG)
Asteraceae	<i>Brachyscome sp.</i>	-	Protected	-	F	Forb (FG)
Asteraceae	<i>Calendula arvensis</i>	Field marigold	Exotic	-	E	Naturalised
Asteraceae	<i>Calotis cuneata</i>	Mountain burr-daisy	Protected	-	F	Forb (FG)
Asteraceae	<i>Calotis dentex</i>	Burr-daisy	Protected	-	F	Forb (FG)
Asteraceae	<i>Calotis lappulacea</i>	Yellow burr-daisy	Protected	-	F	Forb (FG)
Asteraceae	<i>Calotis scapigera</i>	Tufted burr-daisy	Protected	-	F	Forb (FG)
Asteraceae	<i>Calotis spp.</i>	Burr-daisy	Protected	-	F	Forb (FG)
Asteraceae	<i>Cassinia spp.</i>	Cassinia	Protected	-	S	Shrub (SG)
Asteraceae	<i>Chrysocephalum apiculatum</i>	Common everlasting	Protected	-	F	Forb (FG)
Asteraceae	<i>Flaveria australasica</i>	Speedy weed	Protected	-	F	Forb (FG)
Asteraceae	<i>Hypochaeris radicata</i>	Catsear	Exotic	-	-	-
Asteraceae	<i>Leiocarpa panaetioides</i>	Woolly buttons	Protected	-	F	Forb (FG)
Asteraceae	<i>Leucochrysum albicans</i>	Everlasting	Protected	-	F	Forb (FG)
Asteraceae	<i>Pycnosorus globosus</i>	Drumsticks	Protected	-	F	Forb (FG)
Asteraceae	<i>Rhodanthe floribunda</i>	Common white sunray	Protected	-	F	Forb (FG)

Family	Scientific name	Common name	Conservation status		Primary growth form	Primary growth form group/Exotic/HTE
			BC Act	EPBC Act		
Asteraceae	<i>Sonchus oleraceus</i>	Sowthistle	Exotic	-	E	Naturalised
Asteraceae	<i>Vittadinia cervicularis</i>	Daisy	Protected	-	F	Forb (FG)
Asteraceae	<i>Vittadinia dissecta</i>	Disected New Holland daisy	Protected	-	F	Forb (FG)
Asteraceae	<i>Vittadinia gracilis</i>	Woolly New Holland daisy	Protected	-	F	Forb (FG)
Asteraceae	<i>Vittadinia spp.</i>	Fuzzweed	Protected	-	F	Forb (FG)
Asteraceae	<i>Xanthium occidentale</i>	Noogoora burr	Exotic	-	ZZ	High Threat Exotic
Bignoniaceae	<i>Pandorea pandorana</i>	Wonga wonga vine	Protected	-	Vine	Other (OG)
Boraginaceae	<i>Ehretia membranifolia</i>	Peach bush	Protected	-	Shrub	Shrub (SG)
Brassicaceae	<i>Brassica sp.</i>	-	Exotic	-	E	Naturalised
Brassicaceae	<i>Brassica x juncea</i>	Indian mustard	Exotic (Naturalised)	-	E	Naturalised
Brassicaceae	<i>Capsella bursa-pastoris</i>	Shepherd's purse	Exotic	-	E	Naturalised
Brassicaceae	<i>Lepidium africanum</i>	Peppergrass	Exotic	-	E	Naturalised
Brassicaceae	<i>Lepidium bonariense</i>	Argentine peppergrass	Exotic	-	E	Naturalised
Brassicaceae	<i>Lepidium fasciculatum</i>	Bundled peppergrass	Protected	-	F	Forb (FG)
Brassicaceae	<i>Lepidium sp.</i>	A Peppergrass -			F	Forb (FG)
Brassicaceae	<i>Lepidium sp.2</i>	Peppergrass	Protected	-	F	Forb (FG)
Brassicaceae	<i>Rapistrum rugosum</i>	Turnip weed	Exotic	-	E	Naturalised
Cactaceae	<i>Harrisia martinii</i>	Moonlight cactus	Exotic	-	ZZ	High Threat Exotic
Cactaceae	<i>Opuntia aurantiaca</i>	Tiger pear	Exotic	-	ZZ	High Threat Exotic
Cactaceae	<i>Opuntia stricta</i>	Common prickly pear	Exotic	-	ZZ	High Threat Exotic
Cactaceae	<i>Opuntia tomentosa</i>	Velvet tree pear	Exotic	-	ZZ	High Threat Exotic
Campanulaceae	<i>Lobelia spp.</i>	Lobelia	Protected	-	F	Forb (FG)
Campanulaceae	<i>Wahlenbergia communis</i>	Tufted bluebell	Protected	-	F	Forb (FG)
Campanulaceae	<i>Wahlenbergia gracilis</i>	Sprawling bluebell	Protected	-	F	Forb (FG)
Campanulaceae	<i>Wahlenbergia spp.</i>	Bluebell	Protected	-	F	Forb (FG)

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Capparaceae	<i>Apophyllum anomalum</i>	Warrior bush	Protected	-	S	Shrub (SG)
Capparaceae	<i>Capparis lasiantha</i>	Nepine	Protected	-	V	Other (OG)
Capparaceae	<i>Capparis loranthifolia</i>	Narrow-leaf bumble tree	Protected	-	Tree	Tree (TG)
Capparaceae	<i>Capparis mitchellii</i>	Native orange	Protected	-	S	Shrub (SG)
Casuarinaceae	<i>Allocasuarina luehmannii</i>	Bulloak	Protected	-	T	Tree (TG)
Casuarinaceae	<i>Casuarina cristata</i>	Belah	Protected	-	T	Tree (TG)
Celastraceae	<i>Denhamia cunninghamii</i>	-	Protected	-	S	Shrub (SG)
Chenopodiaceae	<i>Atriplex crassipes</i>	Saltbush	Protected	-	C	Shrub (SG)
Chenopodiaceae	<i>Atriplex leptocarpa</i>	Slender-fruit saltbush	Protected	-	C	Shrub (SG)
Chenopodiaceae	<i>Atriplex muelleri</i>	Mueller's saltbush	Protected	-	F	Forb (FG)
Chenopodiaceae	<i>Atriplex semibaccata</i>	Creeping saltbush	Protected	-	C	Shrub (SG)
Chenopodiaceae	<i>Atriplex spp.</i>	-	Protected	-	F	Forb (FG)
Chenopodiaceae	<i>Chenopodium desertorum</i>	Desert goosefoot	Protected	-	C	Shrub (SG)
Chenopodiaceae	<i>Einadia hastata</i>	Berry saltbush	Protected	-	F	Forb (FG)
Chenopodiaceae	<i>Einadia nutans</i>	Climbing saltbush	Protected	-	F	Forb (FG)
Chenopodiaceae	<i>Enchylaena tomentosa</i>	Ruby saltbush	Protected	-	C	Shrub (SG)
Chenopodiaceae	<i>Maireana coronata</i>	Crown fissure-weed	Protected	-	C	Shrub (SG)
Chenopodiaceae	<i>Maireana decalvans</i>	Black cotton bush	Protected	-	C	Shrub (SG)
Chenopodiaceae	<i>Maireana microphylla</i>	Small-leaf bluebush	Protected	-	C	Shrub (SG)
Chenopodiaceae	<i>Maireana pentagona</i>	Hairy bluebush	Protected	-	F	Forb (FG)
Chenopodiaceae	<i>Maireana spp.</i>	Cotton bush	Protected	-	S	Shrub (SG)
Chenopodiaceae	<i>Maireana villosa</i>	Silky bluebush	Protected	-	C	Shrub (SG)
Chenopodiaceae	<i>Rhagodia spinescens</i>	Thorny saltbush	Protected	-	Chenopod	Shrub (SG)
Chenopodiaceae	<i>Salsola kali</i>	Buckbush	Protected	-	C	Shrub (SG)
Chenopodiaceae	<i>Salsola kali var. kali</i>	Buckbush	Protected	-	C	Shrub (SG)
Chenopodiaceae	<i>Sclerolaena anisacanthoides</i>	Yellow Burr	Protected	-	Chenopod	Shrub (SG)

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Chenopodiaceae	<i>Sclerolaena bicornis</i>	Goathead burr	Protected	-	C	Shrub (SG)
Chenopodiaceae	<i>Sclerolaena birchii</i>	Galvanized burr	Protected	-	C	Shrub (SG)
Chenopodiaceae	<i>Sclerolaena divaricata</i>	Tangled copperburr	Protected	-	C	Shrub (SG)
Chenopodiaceae	<i>Sclerolaena muricata</i>	Black roly-poly	Protected	-	C	Shrub (SG)
Chenopodiaceae	<i>Sclerolaena muricata var. villosa</i>	Black roly-poly	Protected	-	C	Shrub (SG)
Chenopodiaceae	<i>Sclerolaena spp.</i>	Copperburr	Protected	-	C	Shrub (SG)
Chenopodiaceae	<i>Sclerolaena tetracuspis</i>	Brigalow burr	Protected	-	C	Shrub (SG)
Chenopodiaceae	<i>Sclerolaena tricuspis</i>	Giant redburr	Protected	-	C	Shrub (SG)
Chenopodiaceae	<i>Sclerolaena ventricosa</i>	Salt copperburr	Protected	-	C	Shrub (SG)
Commelinaceae	<i>Commelina ensifolia</i>	Scurvy grass	Protected	-	F	Forb (FG)
Commelinaceae	<i>Commelina diffusa</i>	Commelina diffusa	Protected	-	F	Forb (FG)
Convolvulaceae	<i>Convolvulus erubescens</i>	Pink bindweed	Protected	-	L	Other (OG)
Convolvulaceae	<i>Dichondra repens</i>	Kidney weed	Protected	-	F	Forb (FG)
Cucurbitaceae	<i>Cucumis myricocarpus</i>	Paddy melon	Exotic (Naturalised)	-	E	Naturalised
Cupressaceae	<i>Callitris glaucophylla</i>	White cypress pine	Protected	-	T	Tree (TG)
Cyperaceae	<i>Carex inversa</i>	Knob sedge	Protected	-	V	Grass & grasslike (GG)
Cyperaceae	<i>Carex spp.</i>	Sedge	Protected	-	V	Grass & grasslike (GG)
Cyperaceae	<i>Cyperus bifax</i>	Downs nutgrass	Protected	-	Se	Grass & grasslike (GG)
Cyperaceae	<i>Cyperus concinnus</i>	Trim flat-sedge	Protected	-	Se	Grass & grasslike (GG)
Cyperaceae	<i>Cyperus exaltatus</i>	-	Protected	-	Se	Grass & grasslike (GG)
Cyperaceae	<i>Cyperus gracilis</i>	Slender flat-sedge	Protected	-	Se	Grass & grasslike (GG)
Cyperaceae	<i>Cyperus spp.</i>	-	Protected	-	Se	Grass & grasslike (GG)
Cyperaceae	<i>Eleocharis acuta</i>	Spike-rush, Spike-sedge	Protected	-	Se	Grass & grasslike (GG)
Cyperaceae	<i>Eleocharis pusilla</i>	Spike-sedge	Protected	-	Se	Grass & grasslike (GG)
Cyperaceae	<i>Eleocharis spp.</i>	Spike-rush, Spike-sedge	Protected	-	Se	Grass & grasslike (GG)

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Euphorbiaceae	<i>Beyeria viscosa</i>	Sticky wallaby bush	Exotic	-	Shrub	Shrub (SG)
Euphorbiaceae	<i>Croton phebalioides</i>		Protected	-	Shrub	Shrub (SG)
Euphorbiaceae	<i>Euphorbia drummondii</i>	Caustic weed	Protected	-	F	Forb (FG)
Euphorbiaceae	<i>Euphorbia tannensis</i>		Protected	-	Shrub	Shrub (SG)
Euphorbiaceae	<i>Euphorbia tannensis sub sp eremophila</i>	-	Protected	-	Shrub	Shrub (SG)
Fabaceae	<i>Lotus spp.</i>	Trefoil	Exotic	-	E	Naturalised
Fabaceae	<i>Medicago scutellata</i>	Snail medic	Exotic	-	E	Naturalised
Fabaceae	<i>Trifolium spp.</i>	A clover	Exotic	-	E	Naturalised
Fabaceae	<i>Acacia decora</i>	Western silver wattle	Protected	-	S	Shrub (SG)
Fabaceae	<i>Acacia excelsa</i>	Ironwood	Protected	-	T	Tree (TG)
Fabaceae	<i>Acacia hakeoides</i>	Hakea wattle	Protected	-	S	Shrub (SG)
Fabaceae	<i>Acacia harpophylla</i>	Brigalow	Protected	-	T	Tree (TG)
Fabaceae	<i>Acacia pendula</i>	Weeping myall, Boree	Protected	-	T	Tree (TG)
Fabaceae	<i>Acacia salicina</i>	Cooba	Protected	-	T	Tree (TG)
Fabaceae	<i>Cullen tenax</i>	Emu-foot	Protected	-	F	Forb (FG)
Fabaceae	<i>Desmodium brachypodum</i>	Large tick-trefoil	Protected	-	F	Forb (FG)
Fabaceae	<i>Desmodium spp.</i>	Tick-trefoil	Protected	-	F	Forb (FG)
Fabaceae	<i>Desmodium varians</i>	Slender tick-trefoil	Protected	-	L	Other (OG)
Fabaceae	<i>Glycine clandestina</i>	Twining glycine	Protected	-	L	Other (OG)
Fabaceae	<i>Glycine spp.</i>	-	Protected	-	F	Forb (FG)
Fabaceae	<i>Indigofera australis</i>	Australian indigo	Protected	-	S	Shrub (SG)
Fabaceae	<i>Indigofera spp.</i>	Indigo	Protected	-	S	Shrub (SG)
Fabaceae	<i>Medicago arabica</i>	Spotted burr medic	Exotic	-	E	Naturalised
Fabaceae	<i>Medicago polymorpha</i>	Burr medic	Exotic	-	E	Naturalised
Fabaceae	<i>Neptunia gracilis</i>	Sensitive plant	Protected	-	F	Forb (FG)
Fabaceae	<i>Senna artemisioides subsp. zygophylla</i>	Silver cassia	Protected	-	S	Shrub (SG)

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Fabaceae	<i>Senna circinnata</i>	Coiled cassia	Protected	-	S	Shrub (SG)
Fabaceae	<i>Swainsona greyana</i>		Protected	-	Forb	Forb (FG)
Fabaceae	<i>Trifolium spp.</i>	Clover	Exotic	-	F	Naturalised
Fabaceae	<i>Vachellia farnesiana</i>	Mimosa bush	Exotic	-	ZZ	High Threat Exotic
Fabaceae	<i>Vicia sativa</i>	Common vetch	Exotic	-	E	Naturalised
Fabaceae (Faboideae)	<i>Glycine canescens</i>	Silky glycine	Protected	-	V	Other (OG)
Geraniaceae	<i>Erodium crinitum</i>	Blue crowfoot	Protected	-	F	Forb (FG)
Goodeniaceae	<i>Brunonia australis</i>	Blue pincushion	Protected	-	F	Forb (FG)
Goodeniaceae	<i>Goodenia fascicularis</i>	Mallee goodenia	Protected	-	F	Forb (FG)
Goodeniaceae	<i>Goodenia spp.</i>	Goodenia	Protected	-	F	Forb (FG)
Haloragaceae	<i>Gonocarpus spp.</i>	Gonocarpus	Protected	-	F	Forb (FG)
Haloragaceae	<i>Haloragis heterophylla</i>	Rough raspwort	Protected	-	F	Forb (FG)
Hypoxidaceae	<i>Hypoxis hygrometrica</i>	Golden weather-grass	Protected	-	F	Forb (FG)
Jasminum	<i>Jasminum lineare</i>	Jasminum	Protected	-	Vine	Other (OG)
Juncaceae	<i>Juncus spp.</i>	Rush	Protected	-	R	Grass & grasslike (GG)
Juncaceae	<i>Juncus spp. 2</i>	Rush	Protected	-	R	Grass & grasslike (GG)
Juncaceae	<i>Juncus usitatus</i>	Rush	Protected	-	R	Grass & grasslike (GG)
Lamiaceae	<i>Clerodendrum spp.</i>	-	Protected	-	T	Tree (TG)
Lamiaceae	<i>Mentha satuireioides</i>	Native pennyroyal	Protected	-	F	Forb (FG)
Lamiaceae	<i>Prostanthera cryptandroides</i>	Mint bush	Protected	-	Shrub	Shrub (SG)
Lamiaceae	<i>Teucrium junceum</i>	Red berry stick plant	Protected	-	S	Shrub (SG)
Lomandraceae	<i>Lomandra filiformis</i>	Wattle matt-rush	Protected	-	R	Grass & grasslike (GG)
Loranthaceae	<i>Amyema quandang</i>	Grey mistletoe	Protected	-	K	Other (OG)
Loranthaceae	<i>Lysiana exoparpi sub exocarpi</i>	Mistletoe	Protected	-	Epiphyte	Other (OG)
Luzuriagaceae	<i>Eustrephus latifolius</i>	Wombat berry	Protected	-	L	Other (OG)
Lycopodiaceae	<i>Lycopodium spp.</i>	-	Protected	-	LYCO	Other (OG)

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Malvaceae	<i>Grewia latifolia</i>	Dysentery bush	Protected	-	S	Shrub (SG)
Malvaceae	<i>Malva parviflora</i>	Small flowered mallow	Exotic	-	E	Naturalised
Malvaceae	<i>Malvastrum americanum</i>	Spiked malvastrum	Exotic	-	E	Naturalised
Malvaceae	<i>Modiola caroliniana</i>	Red-flowered mallow	Exotic	-	-	-
Malvaceae	<i>Sida cordifolia</i>		Protected	-	F	Forb (FG)
Malvaceae	<i>Sida corrugata</i>	Corrugated sida	Protected	-	F	Forb (FG)
Malvaceae	<i>Sida filiformis</i>	Fine sida	Protected	-	F	Forb (FG)
Malvaceae	<i>Sida goniocarpa</i>	-	Protected	-	F	Forb (FG)
Malvaceae	<i>Sida platycalyx</i>	Lifesaver burr	Protected	-	F	Forb (FG)
Malvaceae	<i>Sida rhombifolia</i>	Paddy's lucerne	Exotic	-	E	Naturalised
Malvaceae	<i>Sida spp.</i>	Sida	Protected	-	F	Forb (FG)
Malvaceae	<i>Sida trichopoda</i>	High sida/Hairy sida	Protected	-	F	Forb (FG)
Marsileaceae	<i>Marsilea drummondii</i>	Common nardoo	Protected	-	F	Fern (EG)
Marsileaceae	<i>Marsilea hirsuta</i>	Short-fruited nardoo	Protected	-	F	Fern (EG)
Myoporaceae	<i>Eremophila debilis</i>	Amulla	Protected	-	S	Shrub (SG)
Myoporaceae	<i>Eremophila deserti</i>	Turkeybush	Protected	-	S	Shrub (SG)
Myoporaceae	<i>Eremophila longifolia</i>	Emubush	Protected	-	S	Shrub (SG)
Myoporaceae	<i>Eremophila mitchellii</i>	Budda	Protected	-	S	Shrub (SG)
Myoporaceae	<i>Myoporum montanum</i>	Western boobialla	Protected	-	S	Shrub (SG)
Myoporaceae	<i>Myoporum spp.</i>	Boobialla	Protected	-	S	Shrub (SG)
Myrtaceae	<i>Corymbia tessellaris</i>	Carbeen	Protected	-	T	Tree (TG)
Myrtaceae	<i>Eucalyptus camaldulensis</i>	River red gum	Protected	-	T	Tree (TG)
Myrtaceae	<i>Eucalyptus melanophloia</i>	Silver-leaved ironbark	Protected	-	T	Tree (TG)
Myrtaceae	<i>Eucalyptus populnea</i>	Poplar box	Protected	-	T	Tree (TG)
Myrtaceae	<i>Eucalyptus populnea ex. camaldulensis</i>	Gum tree	Protected	-	T	Tree (TG)
Myrtaceae	<i>Eucalyptus populnea subsp. bimbil</i>	Bimble box	Protected	-	T	Tree (TG)

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			BC Act	EPBC Act		
Myrtaceae	<i>Eucalyptus tereticornis</i>	Forest red gum	Protected	-	T	Tree (TG)
Nyctaginaceae	<i>Boerhavia coccinea</i>	-	Protected	-	F	Forb (FG)
Nyctaginaceae	<i>Boerhavia dominii</i>	Tarvine	Protected	-	F	Forb (FG)
Nyctaginaceae	<i>Boerhavia pubescens</i>	-	Protected	-	F	Forb (FG)
Nyctaginaceae	<i>Boerhavia spp.</i>	-	Protected	-	F	Forb (FG)
Oleaceae	<i>Jasminum simplicifolium</i>		Protected	-	Vine	Other (OG)
Oleaceae	<i>Jasminum suavissimum</i>	Jasminum	Protected	-	L	Other (OG)
Oleaceae	<i>Notelaea microcarpa var. microcarpa</i>	Native olive	Protected	-	T	Tree (TG)
Oxalidaceae	<i>Oxalis corniculata</i>	Creeping oxalis	Exotic	-	E	Exotic/ Declared Noxious
Oxalidaceae	<i>Oxalis perennans</i>	Oxalis	Protected	-	F	Forb (FG)
Oxalidaceae	<i>Oxalis spp.</i>	-	Protected	-	F	Forb (FG)
Papaveraceae	<i>Eschscholzia californica</i>	California poppy	Exotic	-	E	Exotic
Pedaliaceae	<i>Harpagophytum spp.</i>	Devils claw	Exotic	-	E	Exotic
Phormiaceae	<i>Dianella revoluta</i>	Blueberry lily	Protected	-	F	Forb (FG)
Phyllanthaceae	<i>Phyllanthus maderaspatensis</i>	-	Protected	-	S	Shrub (SG)
Pittosporaceae	<i>Bursaria incana</i>	Native blackthorn	Protected	-	Shrub	Shrub (SG)
Pittosporaceae	<i>Pittosporum angustifolium</i>	Butterbush	Protected	-	S	Shrub (SG)
Pittosporaceae	<i>Pittosporum spinescens</i>	Wallaby apple	Protected	-	Shrub	Shrub (SG)
Plantaginaceae	<i>Plantago debilis</i>	Shade plantain	Protected	-	F	Forb (FG)
Plantaginaceae	<i>Plantago lanceolata</i>	Lamb's tongues	Exotic	-	E	Naturalised
Plantaginaceae	<i>Stemodia glabra</i>	Smooth bluerod	Protected	-	F	Forb (FG)
Poaceae	<i>Ancistrachne uncinulata</i>	Hooked-hairy panic grass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Aristida calycina</i>	Dark wiregrass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Aristida caput-medusae</i>	Many-headed wiregrass	Protected	-	Tussock Grass	Grass & grasslike (GG)
Poaceae	<i>Aristida contorta</i>	Bunched kerosene grass	Protected	-	TG	Grass & grasslike (GG)

Family	Scientific name	Common name	Conservation status		Primary growth form	Primary growth form group/Exotic/HTE
			BC Act	EPBC Act		
Poaceae	<i>Aristida holathera</i>	Kerosene grass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Aristida jerichoensis</i>	Jericho wiregrass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Aristida latifolia</i>	Feathertop grass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Aristida leptopoda</i>	White speargrass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Aristida ramosa</i>	Purple wiregrass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Aristida spp.</i>	-	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Astrebla lappacea</i>	Curly mitchell grass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Austrostipa ramosissima</i>	Stout bamboo grass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Austrostipa scabra</i>	Speargrass	Protected	-	TG	Grass & Grasslike (GG)
Poaceae	<i>Austrostipa spp.</i>	Speargrass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Austrostipa verticillata</i>	Slender bamboo grass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Avena fatua</i>	Wild oats	Exotic	-	E	Naturalised
Poaceae	<i>Bothriochloa bladhii subsp. bladhii</i>	Forest bluegrass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Bothriochloa decipiens</i>	Red grass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Bothriochloa pertusa</i>	-	Exotic	-	zz	Naturalised
Poaceae	<i>Cenchrus ciliaris</i>	Buffel grass	Exotic	-	ZZ	High Threat Exotic
Poaceae	<i>Chloris divaricata</i>	Slender chloris	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Chloris divaricata var. divaricata</i>	-	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Chloris gayana</i>	Rhodes grass	Exotic	-	ZZ	High Threat Exotic
Poaceae	<i>Chloris sp.</i>	-	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Chloris truncata</i>	Windmill grass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Chloris ventricosa</i>	Tall chloris	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Cymbopogon spp.</i>	-	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Cynodon dactylon</i>	Common couch	Protected	-	G	Grass & grasslike (GG)
Poaceae	<i>Dactyloctenium radulans</i>	Button grass	Protected	-	Tussock Grass	Grass & grasslike (GG)

Family	Scientific name	Common name	Conservation status		Primary growth form	Primary growth form group/Exotic/HTE
			BC Act	EPBC Act		
Poaceae	<i>Dichanthium sericeum</i>	Queensland bluegrass	Protected	-	G	Grass & grasslike (GG)
Poaceae	<i>Digitaria brownii</i>	Cotton panic grass	Protected	-	OG	Grass & grasslike (GG)
Poaceae	<i>Digitaria divaricatissima</i>	Umbrella grass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Digitaria spp.</i>	-	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Echinochloa colona</i>	Awnless barnyard grass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Enneapogon avenaceus</i>	Bottle washers	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Enneapogon spp.</i>	Nineawn grass, Bottlewashers	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Enteropogon acicularis</i>	Curly windmill grass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Enteropogon ramosus</i>	Twirly windmill grass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Enteropogon spp.</i>	-	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Eragrostis brownii</i>	Brown's lovegrass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Eragrostis lacunaria</i>	Purple lovegrass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Eragrostis spp.</i>	Lovegrass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Eragrostis spp. 2</i>	Lovegrass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Eriachne spp.</i>	Wanderrie grass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Eriachne spp. 2</i>	Wanderrie grass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Megathyrsus maximus</i>	Guinea grass	Exotic	-	ZZ	High Threat Exotic
Poaceae	<i>Nassella trichotoma</i>	Serrated tussock	Exotic	-	ZZ	High Threat Exotic
Poaceae	<i>Panicum decompositum</i>	Native millet	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Panicum effusum</i>	Hairy panic	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Panicum maximum</i>	Guinea grass	Exotic	-	ZZ	High Threat Exotic
Poaceae	<i>Panicum queenslandicum</i>	Yadbila grass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Panicum spp.</i>	Panicum	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Paspalidium caespitosum</i>	Brigalow grass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Paspalidium constrictum</i>	Knottybutt grass	Protected	-	TG	Grass & grasslike (GG)

Family	Scientific name	Common name	Conservation status		Primary growth form	Primary growth form group/Exotic/HTE
			BC Act	EPBC Act		
Poaceae	<i>Paspalidium distans</i>	-	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Paspalidium globoideum</i>	Shotgrass	Protected	-	Tussock Grass	Grass & grasslike (GG)
Poaceae	<i>Paspalidium gracile</i>	-	Protected	-	Tussock Grass	Grass & grasslike (GG)
Poaceae	<i>Paspalidium jubiflorum</i>	Warrego summer grass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Paspalidium sp.</i>	-	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Paspalum distichum</i>	Water couch	Protected	-	OG	Grass & grasslike (GG)
Poaceae	<i>Poa annua</i>	Winter grass	Exotic	-	E	Naturalised
Poaceae	<i>Rytidosperma setaceum</i>	Small-flowered wallaby-grass	Protected	-	G	Grass & grasslike (GG)
Poaceae	<i>Rytidosperma spp.</i>	Wallaby grass	Protected	-	TG	Grass & Grasslike (GG)
Poaceae	<i>Sorghum halepense</i>	Johnson grass	Exotic	-	E	Naturalised
Poaceae	<i>Sporobolus actinocladius</i>	Katoora grass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Sporobolus caroli</i>	Fairy grass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Sporobolus creber</i>	Western rat-tail grass/Slender rat's tail grass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Sporobolus spp.</i>	Rat's tail couch	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Themeda triandra</i>	Kangaroo grass	Protected	-	TG	Grass & grasslike (GG)
Poaceae	<i>Tragus australianus</i>	Small burrgrass	Protected	-	HG	Grass & grasslike (GG)
Poaceae	<i>Urochloa panicoides</i>	Liverseed grass	Exotic	-	E	Naturalised
Polygonaceae	<i>Duma florulenta</i>	Lignum	Protected	-	S	Shrub (SG)
Polygonaceae	<i>Persicaria spp.</i>	Knotweed	Protected	-	F	Forb (FG)
Polygonaceae	<i>Rumex brownii</i>	Swamp dock	Protected	-	F	Forb (FG)
Polygonaceae	<i>Rumex crispus</i>	Curled dock	Exotic	-	E	Naturalised
Polygonaceae	<i>Rumex sp.</i>	-	Protected	-	F	Forb (FG)
Polygonaceae	<i>Rumex tenax</i>	Shiny dock	Protected	-	F	Forb (FG)
Portulacaceae	<i>Portulaca bicolor var. rosea</i>	Portulaca bicolor	Protected	-	F	Forb (FG)

Family	Scientific name	Common name	Conservation status		Primary growth form	Primary growth form group/Exotic/HTE
			BC Act	EPBC Act		
Portulacaceae	<i>Portulaca oleracea</i>	Pigweed	Protected	-	F	Forb (FG)
Portulacaceae	<i>Portulaca pilosa</i>	Akulikuli	Exotic	-	E	Naturalised
Portulacaceae	<i>Portulaca sp.</i>	-	Protected	-	F	Forb (FG)
Proteaceae	<i>Hakea leucoptera</i>	Needlewood	Protected	-	S	Shrub (SG)
Pteridaceae	<i>Cheilanthes distans</i>	Bristly cloak fern	Protected	-	F	Fern (EG)
Pteridaceae	<i>Cheilanthes sieberi</i>	Rock fern	Protected	-	F	Fern (EG)
Rhamnaceae	<i>Ventilago viminalis</i>	Supple jack	Protected	-	T	Tree (TG)
Rubiaceae	<i>Asperula conferta</i>	Common woodruff	Protected	-	F	Forb (FG)
Rubiaceae	<i>Canthium oleifolia</i>	Hat-stand tree	Protected	-	Shrub	Shrub (SG)
Rubiaceae	<i>Psydrax oleifolia</i>	Brush myrtle	Protected	-	S	Shrub (SG)
Rutaceae	<i>Citrus australis</i>	Round lime	-	-	-	-
Rutaceae	<i>Citrus glauca</i>	Desert lime	Protected	-	S	Shrub (SG)
Rutaceae	<i>Geijera parviflora</i>	Wilga	Protected	-	S	Shrub (SG)
Santalaceae	<i>Exocarpos aphyllus</i>	Leafless ballarat	Protected	-	S	Shrub (SG)
Santalaceae	<i>Santalum lanceolatum</i>	Northern sandalwood	Protected	-	S	Shrub (SG)
Sapindaceae	<i>Alectryon diversifolius</i>	Scrub boonaree	Protected	-	Shrub	Shrub (SG)
Sapindaceae	<i>Alectryon oliefolius</i>	Western rosewood	Protected	-	Tree	Tree (TG)
Sapindaceae	<i>Atalaya hemiglauca</i>	Whitewood	Protected	-	T	Tree (TG)
Sapindaceae	<i>Cardiospermum grandiflorum</i>	Balloon vine	Exotic	-	ZZ	High Threat Exotic
Sapindaceae	<i>Dodonaea viscosa</i>	Hop bush	Protected	-	Shrub	Shrub (SG)
Sapotaceae	<i>Planchonella pubescens</i>	-	Protected	-	Tree	Tree (TG)
Sapotaceae	<i>Pouteria cotinifolia var pubescens</i>	-	Protected	-	Tree	Tree (TG)
Scrophulariaceae	<i>Myoporum acuminatum</i>	Boobiella	Protected	-	S	Shrub (SG)
Scrophulariaceae	<i>Stemodia glabella</i>	Smooth bluerod	Protected	-	TG	Grass & grasslike (GG)
Solanaceae	<i>Lycium ferocissimum</i>	African boxthorn	Exotic	-	ZZ	High Threat Exotic
Solanaceae	<i>Solanum americanum</i>	Glossy nightshade	Protected	-	F	Forb (FG)

Family	Scientific name	Common name	Conservation status		Primary growth form	Primary growth form group/Exotic/HTE
			BC Act	EPBC Act		
Solanaceae	<i>Solanum esuriale</i>	Quena	Protected	-	F	Forb (FG)
Solanaceae	<i>Solanum ferocissimum</i>	Spiny potato-bush	Protected	-	Shrub	Shrub (SG)
Thymelaeaceae	<i>Pimelea linifolia</i>	Slender rice flower	Protected	-	S	Shrub (SG)
Thymelaeaceae	<i>Pimelea sp.</i>	Pimelia	Protected	-	S	Shrub (SG)
Urticaceae	<i>Urtica incisa</i>	Stinging nettle	Protected	-	F	Forb (FG)
Verbenaceae	<i>Glandularia aristigera</i>	Mayne's pest	Exotic	-	E	Naturalised
Verbenaceae	<i>Phyla canescens</i>	Lippia	Exotic	-	ZZ	High Threat Exotic
Verbenaceae	<i>Silybum marianum</i>	Variegated thistle	Exotic	-	E	Naturalised
Zygophyllaceae	<i>Tribulus micrococcus</i>	Spineless caltrop	Protected	-	F	Forb (FG)
Zygophyllaceae	<i>Tribulus terrestris</i>	Cat-head	Exotic	-	E	Naturalised
Zygophyllaceae	<i>Zygophyllum apiculatum</i>	Common twinleaf	Protected	-	F	Forb (FG)

Table notes:

Growth Form C=Chenopod, E=Exotic, F=Forb, K=Mistletoe, TG= Tussock Grass, O=Other, OG=Other Grass, R=Rush, Se= Sedge, S=Shrub, T= Tree, V=Vine

BAM plot data

Plot ID	PCT No.	Condition / Class	Latitude	Longitude	Bearing	Composition						Structure (% cover)						Function										
						Tree	Shrub	Grass	Forb	Ferns	Other	Tree	Shrub	Grass	Forbs	Ferns	Other	LT >50cm	HT	L%	FL (m)	TS 5-10 cm	TS 10-20 cm	TS 20-30 cm	TS 30-40 cm	TS 50-80 cm	TR <5 cm	E %
BP1135HP2	35	High	-28.8244	150.5655	South	1	10	5	1	0	23	15	24.5	5	0.2	0	5.1	0	0	43	55	7	8	3	0	0	14	0.1
BP1135HP3	35	High	-28.8284	150.5653	South-west/west	2	8	1	1	0	1	21	26.8	1	0.1	0	0.2	0	0	40	47.5	14	10	6	3	0	49	5
BP1135HP4	35	High	-28.8267	150.5654	South-west/South-south-west	2	7	1	0	0	2	22	9.7	5	0	0	15.1	0	0	41	11.5	43	25	2	1	0	51	5
BP1135LP1	35	Low	-28.8255	150.5631	North	0	6	6	4	0	0	0	14.4	39.2	15.7	0	0	0	0	27	0	0	0	0	0	0	0	4.1
BP1147HP1	147	High	-28.9868	150.4213	North to North-east	4	8	3	6	0	5	22	13.2	3	4.7	0	36.2	0	0	44	24.5	0	0	0	0	0	0	0.1
BP1147MP1	147	Medium	-28.9885	150.4213	0 North	5	8	4	5	0	4	15.1	99.2	0.6	4.2	0	46.7	0	0	61	36	2	11	1	4	1	41	0.1
BP1147MP2	147	Medium	-28.9875	150.4200	133	3	9	8	4	0	3	19	27.1	1.7	0.4	0	4.2	0	1	76	16	15	10	0	1	0	46	0
BP1398HP1	98	High	-28.7484	150.2652	Due south	3	7	4	3	1	2	45.5	33.6	0.6	2.3	0.1	0.6	0	0	72	0	9	1	0	0	0	8	9
BP1398LP2	98	Low	-28.7512	150.2626	Due north	1	4	5	2	0	0	0.1	3.3	0.9	2	0	0	0	0	9	0	1	2	0	0	0	5	0
BP235LP1	35	Low	-29.0134	150.3720	South-east from 0	1	5	0	2	0	0	0.1	39.1	0	4	0	0	0	0	47	0	0	0	0	0	0	0	0.1
BP235LP2	35	Low	-29.0153	150.3738	South	1	6	0	2	0	2	0.5	9.6	0	0.3	0	1.1	0	0	46	0	0	0	0	0	0	0	0.1
BP2418HP1	418	High	-29.0158	150.3710	9	2	10	6	2	0	5	3	28.3	3.4	0.6	0	35.1	0	0	69	0	0	1	1	0	0	1	1
BP2418HP3	418	High	-29.0151	150.3730	4	7	7	5	0	5	7	85.3	0.7	2.5	0	87.1	0	0	44	8	0	0	3	0	0	0	0	
BP2418HP4	418	High	-29.0137	150.3714	North-west	4	10	4	4	0	5	6.2	44.8	4.3	0.9	0	50.4	0	0	15	20	0	0	0	1	0	0	0.1
BP2418MP1	418	Medium	-29.0141	150.3716	343	0	6	5	2	0	3	0	2.7	7.3	0.2	0	0.3	0	0	31	0	0	0	0	1	0	1	15.1
BP2418MP3	418	Medium	-29.0179	150.3713	South	0	3	3	0	0	1	0	35.5	1.3	0	0	0.1	0	0	34	0	0	0	0	0	0	0	1
BP2535MP1	35	Medium	-28.8659	150.5334	West	1	7	5	2	0	2	0.1	23.2	7.4	0.2	0	0.2	0	0	37	1.5	0	0	0	1	0	0	0.2
BP2535MP2	35	Medium	-28.8654	150.5331	North	0	6	3	5	0	0	0	29.1	25.5	2.4	0	0	0	0	37	1	0	0	0	0	0	0	0.1

Plot ID	PCT No.	Condition / Class	Latitude	Longitude	Bearing	Composition						Structure (% cover)						Function										
						Tree	Shrub	Grass	Forb	Ferns	Other	Tree	Shrub	Grass	Forbs	Ferns	Other	LT >50cm	HT	L%	FL (m)	TS 5-10 cm	TS 10-20 cm	TS 20-30 cm	TS 30-40 cm	TS 50-80 cm	TR <5 cm	E %
BP25418LP1	418	Low	-28.8642	150.5327	112	2	3	8	5	1	0	4	1.2	11.9	0.6	0.1	0	0	62	0	0	0	0	0	20	40		
BP25418LP3	418	Low	-28.8640	150.5338	South-west	1	3	2	1	1	0	1	3.1	5.1	1	0.5	0	0	30	1	0	0	0	1	0	0		
BP25418MP1	418	Medium	-28.8654	150.5318	350	1	4	7	6	1	0	23	4.7	10.7	0.6	0.1	0	0	40	21	15	0	0	1	0	19	0.2	
BP2635HP1	35	High	-28.8244	150.3010	South-east from 0	3	7	2	3	0	8.2	16.1	57.7	15.1	0.4	0	8.2	0	0	38	74.25	1	1	4	11	0	0	2
BP2635LP4	35	Low	-28.8238	150.3008	North-west	1	5	2	2	1	0	0.1	2.4	50.1	1.1	0.1	0	0	29	0	5	6	3	0	0	1	0	
BP2635MP2	35	Medium	-28.8238	150.3014		2	5	4	4	1	2	3	31	2.3	2.4	0.1	2.8	0	0	39		6	12	6	3	0	5	0.2
BP2635MP3	35	Medium	-28.8229	150.3021	South	4	4	3	2	0	2	21	3.2	0.7	1.1	0	2.1	0	0	17	2	3	8	11	2	0	8	1.1
BP5192HP1	192	High	-28.8446	150.2880	250	5	5	1	4	0	3	14	55.4	0.1	1.3	0	11.1	0	7	33	29	0	1	2	2	0	0	0.6
BP5192HP3	192	High	-28.8455	150.2933	202	3	8	7	8	0	5	9.5	44.4	6	3.7	0	3.5	3	1	40	49	0	0	0	1	0	0	1.1
BP5192LP1	192	Low	-28.8413	150.2952	South	1	4	0	3	0	0	2	10.2	0	0.2	0	0	0	0	28	5	3	3	1	0	0	2	0
BP5192LP2	192	Low	-28.8428	150.2945	109	1	6	4	7	0	2	15	27.3	4.7	1.7	0	0.2	0	0	51	2.4	0	2	4	0	0	0	20.1
BP5192MP1	192	Medium	-28.8445	150.2895	318	3	6	3	5	1	3	20	20.5	6.1	2.7	0.1	0.4	0	0	45	7	0	0	0	0	0	0	0.2
BP5192MP2	192	Medium	-28.8444	150.2904	110	1	8	7	11	1	2	6	57.7	8.3	10.7	1	2.3	0	0	44	6	1	1	0	0	0	0	13.2
BP5192MP3	192	Medium	-28.8433	150.2901	319	4	6	3	5	1	4	15	90.3	2.3	10.4	0.1	23.1	0	0	27	8	0	0	0	0	0	0	1.2
BP735HP1	35	High	-28.8444	150.4070	North to north north-east	3	7	1	4	0	0	22.5	11.4	0.5	0.5	0	0	0	0	49	27.3	0	5	5	3	0	4	0.1
BP735HP2	35	High	-28.8422	150.4070	North	2	7	3	1	0	0	17	13.7	0.7	0.1	0	0	0	0	51	5.75	4	16	2	2	0	13	0.1
BP735HP5	35	High	-28.8413	150.4042	North-east	1	7	4	2	0	0	20	39.1	10.1	2.1	0	0	0	0	34	8	4	24	5	0	0	2	1
BP735LP3	35	Low	-28.8452	150.4017	North	0	7	2	7	0	0	0	12.3	15.1	1.7	0	0	0	0	24	23.25	0	0	0	0	0	0	0
BP735LP7	35	Low	-28.8427	150.4045	North	0	8	1	6	0	0	0	22.3	5	0.7	0	0	0	0	18	0	0	0	0	0	0	0	0
BP735LP8	35	Low	-28.8455	150.4042	North	0	7	3	5	0	0	0	18.1	20.2	1.1	0	0	0	0	18	0	0	0	0	0	0	0	0.1
BP756HP1	56	High	-28.8416	150.4093	140	1	7	4	2	0	1	10	55.5	27.2	0.2	0	0.3	0	0	25	31	0	0	0	0	0	0	1

Plot ID	PCT No.	Condition / Class	Latitude	Longitude	Bearing	Composition						Structure (% cover)						Function										
						Tree	Shrub	Grass	Forb	Ferns	Other	Tree	Shrub	Grass	Forbs	Ferns	Other	LT >50cm	HT	L%	FL (m)	TS 5-10 cm	TS 10-20 cm	TS 20-30 cm	TS 30-40 cm	TS 50-80 cm	TR <5 cm	E %
BP756HP2	56	High	-28.8411	150.4078	348	1	6	3	4	0	3	30	72.4	14	0.4	0	2.5	0	1	70	16	0	5	1	0	0	3	3
BP756HP3	56	High	-28.8441	150.4095	132	2	6	2	4	0	0	2.5	16.3	5.2	0.4	0	0	0	1	22	0	2	7	2	0	0	2	0.1
BP756HP4	56	High	-28.8422	150.4081	North	1	6	2	3	1	1	10	80.4	5.1	0.3	0.2	0.1	0	0	22	11.25	0	0	0	0	1	0	1
BP756LP6	56	Low	-28.8399	150.4055	South	1	3	5	5	0	0	0.5	0.9	16.1	2.8	0	0	0	0	24	0	0	0	0	0	0	0	0
BP8244MP1	244	Medium	-28.7883	150.9759	122	1	7	8	9	1	1	30	17.9	48.3	2.5	0.1	3	0	1	14	9.5	0	0	0	1	0	0	40.1
BP8244MP2	244	Medium	-28.7952	150.4024	160	1	9	9	9	0	3	30	9.5	63.3	2.8	0	0.8	0	5	38	0	0	0	0	4	0	14	7
BP856MP1	56	Medium	-28.7864	150.3986	East	1	3	3	5	0	2	15	5.6	1.4	7.4	0	11	0	0	34	19.5	2	1	4	0	1	2	26
BP856MP2	56	Medium	-28.7931	150.4011	South South-east	1	5	3	3	0	0	15	6.8	50.1	6.1	0	0	0	0	22	1	0	0	0	2	2	0	6.1
BP935HP1	35	High	-28.7918	150.5586	North-east	2	10	2	2	1	2	35	31.2	11	0.3	0.1	10.1	0	0	76	12.25	0	8	12	12	1	2	1
BP935HP2	35	High	-28.7913	150.5616	249	3	7	3	4	1	3	65.2	25.3	7.2	0.6	0.1	2.6	0	0	58	0	30	63	11	0	0	0	0.5
BP935HP3	35	High	-28.7940	150.5595	343	3	8	5	2	1	2	41.5	56.4	15.4	0.2	0.5	4	0	0	87	16	0	44	15	2	0	1	1
BP935HP4	35	High	-28.7908	150.5600	120	3	7	3	3	0	3	46	46	10.3	0.6	0	0.7	0	0	95	51	4	71	14	5	0	0	1
BP9418HP1	418	High	-28.7919	150.5643	337	4	5	4	2	1	3	19.1	32.8	11.1	0.2	1.2	10.3	0	0	76	47.5	0	5	12	5	0	14	7
BP9418HP2	418	High	-28.7931	150.5630	South-west	3	2	5	5	1	2	65.1	6.5	8.2	1.1	0.3	2.1	1	87	19	7	74	6	0	0	0	0	0.1
BP9418HP3	418	High	-28.7949	150.5631	33	4	5	8	2	0	6	41	5.2	10.6	0.2	12.3	0.5	0	1	0	45	0	48	6	5	1	11	0
BP9418HP3B	418	High	-28.7926	150.5630	205	3	7	6	0	0	2	63	23.6	5	0	0	8	0	1	67	41	21	49	5	1	0	0	0.2
BP9418LP1	418	Low	-28.7983	150.5575	North	1	3	3	1	0	0	2	2.2	1.2	2	0	0	0	0	24	0	0	0	0	0	0	0	15
BP9418MP1	418	Medium	-28.7968	150.5608	28	6	2	5	1	0	0	14.3	5.2	13.3	0.1	0	0	0	0	43	38	1	0	2	3	0	4	3
BP9418MP2	418	Medium	-28.7957	150.5602	227	3	1	3	3	0	0	13	1	5.2	0.4	0	0	0	0	33	60	1	1	1	2	1	2	2
BP9418MP3	418	Medium	-28.7952	150.5593	192	4	2	3	2	0	0	53.5	0.3	6.5	0.2	0	0	0	1	38	4.5	62	3	0	1	0	57	0
CB192LS1	192	Low	-28.6703	150.4520	138	0	3	5	15	0	0	0	1.4	60.5	10.1	0	0	0	0	12.5	0	0	0	0	0	0	0	15.1
CB192LS2	192	Low	-28.6701	150.4495	242	0	3	11	7	0	0	0	0.3	3.5	0.9	0	0	2	2	23.75	0	0	0	0	0	2	0	45.4
CB192LS3	192	Low	-28.6733	150.4494	261	0	3	7	11	0	0	0	0.58	30.5	3.4	0	0	0	0	18.75	0	0	0	0	0	0	0	0.2

Plot ID	PCT No.	Condition / Class	Latitude	Longitude	Bearing	Composition						Structure (% cover)						Function										
						Tree	Shrub	Grass	Forb	Ferns	Other	Tree	Shrub	Grass	Forbs	Ferns	Other	LT >50cm	HT	L%	FL (m)	TS 5-10 cm	TS 10-20 cm	TS 20-30 cm	TS 30-40 cm	TS 50-80 cm	TR <5 cm	E %
CB192MS1	192	Medium	-28.6720	150.4514	349	1	4	5	8	0	0	2	1.4	90.5	2.9	0	0	0	0	30	0.5	0	0	0	0	0	0	1
CB192MS2	192	Medium	-28.6714	150.4495	315	2	4	9	13	0	0	55	1.4	64.2	2.9	0	0	3	2	36.25	1	0	0	0	1	3	0	14
CB192MS3	192	Medium	-28.6707	150.4511	210	1	4	5	12	0	1	2	1.2	75.4	3.9	0	0.1	1	1	31.25	14	0	0	0	0	1	0	17.3
CB244LS1	244	Low	-28.7383	150.4183	4	0	3	11	13	0	1	0	8.1	26.3	5.2	0	0.1	0	0	15	20	0	0	0	0	0	0	15.2
CB244LS2	244	Low	-28.7392	150.4198	350	0	4	14	11	1	0	0	5.3	12	2.2	0.2	0	0	27.5	0	0	0	0	0	0	0	0	
CB244LS3	244	Low	-28.7371	150.4189	345	2	6	9	21	0	1	4.1	11.4	7.5	3.4	0	0.1	0	1	15	0	2	2	2	1	0	4.3	
CB244MP1	244	Medium	-28.7292	150.4189	339	3	4	12	13	1	1	28	2.8	32.9	2	1	0.1	1	0	28.2	0	0	1	1	0	1	0	0.6
CB244MS1	244	Medium	-28.7386	150.4172	286	1	4	15	19	0	1	30	0.5	62.5	9.2	0	0.2	0	1	20	6	0	1	2	0	1	0	0.4
CB244MS2	244	Low	-28.7190	150.4153	90	2	5	7	15	0	1	7.1	3.3	8.3	1.8	0	0.1	3	3	56.25	74	0	4	2	7	3	0	16.4
CB247LS1	247	Low	-28.7339	150.4205	349	0	1	2	8	0	0	0	0.3	0.3	14.4	0	0	0	0	9.25	0	0	0	0	0	0	0	1
CB247MP1	247	Medium	-28.7369	150.4198	1	0	4	1	3	1	0	0	20.7	20	5.7	0.1	0	0	0	21	0	0	0	0	0	0	0	5.2
CB247MP2	247	Medium	-28.7357	150.4196	0	0	2	3	4	1	0	0	40.1	20.6	5.3	0.1	0	0	0	29.4	0	0	0	0	0	0	0	7.1
CB247MP3	247	Medium	-28.7350	150.4186	353	0	3	5	3	0	0	0	15.7	10.5	2.2	0	0	0	0	10	0	0	0	0	0	0	0	2
CB247MP4	247	Medium	-28.7338	150.4179	359	0	4	2	6	1	0	0	17.3	0.6	1.5	0.1	0	0	0	7.8	0	0	0	0	0	0	0	0.5
CB247MS1	247	Medium	-28.6768	150.4484	271	0	4	3	11	0	0	0	0.4	15.2	6.1	0.1	0	0	0	7.5	0	0	0	0	0	0	0	1.1
CB247MS2	247	Medium	-28.7394	150.1488	83	2	2	12	18	0	1	10.1	2.1	16.2	3.3	0	0.1	0	2	16.25	0	2	7	2	0	0	0	0.8
CB247MS3	247	Medium	-28.6751	150.4491	N/A	0	1	3	12	1	0	0	0.1	40.5	2.1	0.1	0	0	0	33.75	0	0	0	0	0	0	0	1.6
CB36HP1	36	High	-28.6664	150.4529	66	3	3	2	7	0	3	20.5	5.2	22	4.9	0	1.3	1	5	47	53	0	0	1	0	1	1	6.2
CB36HP2	36	High	-28.6662	150.4522	290	3	1	3	8	0	2	56	16	4.2	0.8	0	0.2	0	2	41	85.5	0	0	0	0	0	0	22.1
CB36MP10	36	Medium	-28.6787	150.4144	67	2	1	11	16	1	0	10.3	0.1	8.9	4.4	0.1	0	0	5	16.5	2	5	2	0	0	0	25.5	
CB36MS1	36	Medium	-28.6753	150.4442	76	3	3	7	13	0	1	31	0.7	21	6.3	0	0.1	4	4	33.75	233	0	0	2	2	4	0	30.8
CB36MS2	36	Medium	-28.6743	150.4492	68	2	3	6	10	1	0	7.1	0.3	1	1.1	0.1	0	3	3	26.25	39	0	0	1	0	3	0	2.7
CB39MS2	39-35	Medium	-28.6781	150.4366	74	1	4	4	8	0	0	15	0.6	40.3	2.8	0	0	3	3	30	36	0	0	0	1	3	0	45
CB39MS3	39-36	Medium	-28.6763	150.4433	124	0	3	6	19	0	1	0	1.6	66.1	7.4	0	0.1	1	1	36.25	10	0	0	0	0	1	0	6.1
CB39MS4	39/36	Medium	-28.6684	150.4532	355	1	2	9	12	1	2	10	2.1	4	7.7	0.3	0.2	1	1	80	10	0	1	1	0	1	0	13.2

Plot ID	PCT No.	Condition / Class	Latitude	Longitude	Bearing	Composition						Structure (% cover)						Function										
						Tree	Shrub	Grass	Forb	Ferns	Other	Tree	Shrub	Grass	Forbs	Ferns	Other	LT >50cm	HT	L%	FL (m)	TS 5-10 cm	TS 10-20 cm	TS 20-30 cm	TS 30-40 cm	TS 50-80 cm	TR <5 cm	E %
CB52LP10	52	Low	-28.6855	150.4147	150	0	1	6	4	1	0	0	0.1	63	0.5	0.5	0	0	53	0	0	0	0	0	0	0.2		
CB52MP10	52	Low	-28.6813	150.4292	135	0	4	4	4	0	0	0	9.3	26.1	1.7	0	0	25	0	0	0	0	0	0	0.2			
CB52MP12	52	Medium	-28.6821	150.4249	45	0	3	2	5	0	0	0	3.1	30.1	3.3	0	0	36	0	0	0	0	0	0	0			
CB56LS1	56	Low	-28.7305	150.4187	171	1	3	12	13	1	1	5	2.2	57.5	6.8	1	0.1	1	1	42.5	30.5	0	0	1	1	0	3.4	
CB56LS3	56	Low	-28.7258	150.4177	59	0	2	14	19	1	0	0	1.1	22.1	6.8	0.1	0	0	13.75	0	0	0	0	0	0	0		
CB56LS6	56	Low	-28.2679	150.4390	160	0	2	6	14	1	0	0	0.2	33.2	17.1	0.1	0	0	27.5	0	0	0	0	0	0	0.3		
CB56MS1	56	Medium	-28.7322	150.4183	279	1	5	6	2	1	1	30	3.1	3.3	12.3	0.1	0.02	2	6	66.25	39	0	2	4	3	2	0	30.4
CB56MS2	56	Medium	-28.7314	150.4184	41	0	6	15	17	0	1	0	3.5	47.3	19.9	0	0.1	4	4	48.75	28	0	0	1	3	4	0	0.3
CB56MS3	56	Medium	-28.7301	150.4181	82	2	2	12	17	0	1	10.1	3.1	77.7	5.9	0	0.1	1	1	24.5	1	1	7	2	0	1	0	1.3
CB628LS2	628	Low	-28.7268	150.4180	48	0	3	5	10	1	0	0	10.2	13.2	9.7	0.1	0	0	10.5	0.5	0	0	0	0	0	0	0	
CB628LS4	628	Low	-28.6990	150.4141	249	0	2	12	11	0	0	0	1.3	14.7	4.3	0	0	16.25	0	0	0	0	0	0	0	0	0.5	
CB628MP2	628	Medium	-28.7241	150.4172	63	4	4	9	14	1	1	24.1	0.9	6.6	2.8	1	0.1	2	0	44	16	1	1	1	1	1	0	0.2
CB628MP3	628	Medium	-28.6957	150.4143	258	2	4	8	12	1	1	20	20.5	8	1.8	1	0.1	4	4	21	96	0	0	1	0	0	0.2	
CB628MP4	628	Medium	-28.6954	150.4136	328	2	3	6	12	1	0	10	10.8	4.3	2.2	0.3	0	4	4	50	34.5	0	0	0	0	0	0	0.3
CB628MS3	628	Medium	-28.7168	150.4153	296	2	3	12	22	1	0	15.1	0.9	4.6	9.6	0.1	0	2	2	37.5	43	0	0	1	2	2	0	4.6
NB244HP1	244	High	-28.8005	150.4108	334	3	8	5	2	1	0	4.1	59.3	28.1	2.1	1	0	0	1	41.8	29	0	0	1	1	0	0	0.5
NB244HP2	244	High	-28.7991	150.4108	358	1	7	3	3	1	0	15	69.4	20.2	0.3	1	0	1	2	39	10	1	1	0	0	0	2	0.4
NB244HP3	244	High	-28.7917	150.4105	330	3	10	2	4	1	0	18	27	10.1	0.8	1	0	1	0	33	4	1	1	1	1	1	3	1.5
NB244HP4	244	High	-28.7890	150.4106	320	1	8	3	4	1	2	20	30.8	3.6	0.8	0.5	0.2	1	0	34	17	1	1	1	0	0	6	0
NB244MP1	244	Medium	-28.7423	150.4184	187	1	6	11	11	0	0	0.5	4.3	53.1	2.3	0	0	0	0	21.6	12	0	1	0	1	0	1	0.1
NB244MP2	244	Medium	-28.7418	150.4185	336	2	7	9	10	1	0	20	5	25.5	1.2	0.2	0	1	1	25	0	0	1	1	0	0	0	0.5
NB244MP3	244	Medium	-28.7414	150.4165	11	3	8	11	9	1	0	36.1	11.8	6.2	0.9	0.1	0	0	0	15	4	0	1	1	0	0	0	0
NB35HP1	35	High	-28.8300	150.4050	262	2	6	2	4	1	1	30	71.6	15.3	10.8	0.1	0.5	4	0	56	75	1	1	1	1	0	1	0.8
NB35HP2	35	High	-28.8255	150.4055	242	1	8	7	4	1	0	35	28.1	10.7	1.4	0.5	0	3	0	30	28	1	1	1	1	0	205	0
NB35HP3	35	High	-28.8249	150.4057	140	1	7	7	5	0	1	50	41.7	9.8	15.8	0	0.1	3	0	46	31	1	1	1	1	1	435	0.2

Plot ID	PCT No.	Condition / Class	Latitude	Longitude	Bearing	Composition						Structure (% cover)						Function										
						Tree	Shrub	Grass	Forb	Ferns	Other	Tree	Shrub	Grass	Forbs	Ferns	Other	LT >50cm	HT	L%	FL (m)	TS 5-10 cm	TS 10-20 cm	TS 20-30 cm	TS 30-40 cm	TS 50-80 cm	TR <5 cm	E %
NB35LP1	35	Low	-28.9082	150.3949	178	0	4	6	7	0	0	0	0.5	7	0.7	0	0	0	0	14.2	0	0	0	0	0	0	0	0.6
NB35LS1	35	Low	-28.8314	150.4053	250	1	5	4	9	0	1	0.2	30.2	0.4	1.3	0	0.1	0	0	6.5	0	0	0	0	0	0	0	35.1
NB53MS1	53	Medium	-28.7748	150.4104	58	0	0	7	11	1	0	0	0	132.3	1.3	1	0	0	0	0	0	0	0	0	0	0	0	0.1
NB53MS2	53	Medium	-28.7702	150.4106	180	0	1	4	7	0	0	0	0.1	67.1	0.9	0	0	0	0	11.75	1	0	0	0	0	0	0	0
NB53MS3	53	Medium	-28.7718	150.4089	120	0	1	5	13	1	0	0	1	80.6	12.4	2	0	0	0	3.25	0	0	0	0	0	0	0	0.2
NB55HP1	55	High	-28.7718	150.4110	180	1	0	0	0	0	0	60	0	0	0	0	0	3	0	39	1	1	1	1	1	0	5	0
NB55HP2	55	High	-28.7729	150.4108	182	1	0	3	5	1	0	45.1	0	0.3	0.5	0.1	0	1	0	30	1	1	1	1	0	1	0	0
NB56HP2	56	High	-28.8140	150.4073	102	1	9	1	1	0	2	25	87.1	0.5	0.1	0	0.6	3	0	34	28	1	1	0	1	1	1	0.2
NB56HP3	56	High	-28.8105	150.4079	30	1	7	5	3	0	1	40	43.8	9	0.7	0	0.1	3	2	73	37	1	1	1	0	1	2	0.6
NB56HP4	56	High	-28.7836	150.4092	348	3	9	4	10	0	0	65.2	12.2	15.4	1.2	0	0	0	1	70	9	1	1	1	1	0	40	0.5
NB56HP5	56	High	-28.7609	150.4123	265	4	10	6	5	1	1	12.6	77.6	21.4	2.4	0.2	0.1	1	1	25	32.5	1	1	1	0	0	0	0.5
NB56HP6	56	High	-28.7640	150.4116	270	3	8	5	3	1	2	24	66.4	8.8	0.3	2	1.3	2	2	68	65	0	0	0	1	0	0	0.3
NB56HS1	56	High	-28.7953	150.4096	350	1	6	5	14	1	3	50	29.6	2.8	6.5	0.1	1.6	3	3	61.75	14	2	8	4	4	3	0	2.1
NB56LP1	56	Low	-28.9076	150.3950	356	0	4	6	7	0	0	0	16.1	3.2	0.7	0	0	0	0	25	0	0	0	0	0	0	0	0
NB56LP10	56	Low	-28.9345	150.9359	79	1	6	3	4	0	0	25	8.6	5.2	12.2	0	0	0	2	57	0	1	0	0	0	1	0	0.1
NB56LP11	56	Low	-28.9291	150.3983	46	3	6	12	8	1	0	20.1	0.6	14	1.7	0.5	0	0	0	30	0	0	0	0	0	0	0	0.2
NB56LS1	56	Low	-28.8013	150.4093	156	0	3	9	14	0	4	0	15.1	2.2	5.7	0	4.4	0	0	40	15	0	0	0	0	0	0	72.5
NB56LS3	56	Low	-28.7895	150.4092	355	1	2	8	18	0	2	1	0.2	10.4	16.5	0	2.1	0	0	11.25	4.5	0	0	0	0	0	0	80.1
NB56LS4	56	Low	-28.7886	150.4095	351	0	2	17	18	0	1	0	3.5	30.9	12.5	0	1	0	0	12.5	0	0	1	0	0	0	0	15.2
NB56LS5	56	Low	-28.7626	150.4132	357	0	4	6	18	0	1	0	0.7	3.8	6.3	0	0.1	0	0	18.75	0	0	0	0	0	0	0	80.5
NB56MP1	56	Medium	-28.7707	150.4112	64	3	8	8	12	0	1	23.3	5.7	31.7	2.4	0	0.1	0	0	29.2	2.5	1	0	1	0	0	48	0.8
NB56MP10	56	Medium	-28.9281	150.3973	165	3	9	6	3	0	0	13	25.9	14.7	4.6	0	0	0	0	48	0	0	0	0	1	1	0	0
NB56MP2	56	Medium	-28.7690	150.4120	77	1	11	10	13	1	0	2	5.6	8.5	4.4	0.5	0	0	0	13	0	0	1	0	1	0	0	1.1
NB56MP3	56	Medium	-28.7502	150.4157	96	2	9	6	10	0	1	23	23	26.3	1.6	0	0.5	1	2	26	12	1	1	0	0	0	2	0.2
NB56MP4	56	Medium	-28.7495	150.4158	92	2	11	4	5	0	1	11	10.6	6.1	3.4	0	0.2	2	2	23.6	3.5	0	1	0	0	0	0	1.1

Plot ID	PCT No.	Condition / Class	Latitude	Longitude	Bearing	Composition						Structure (% cover)						Function										
						Tree	Shrub	Grass	Forb	Ferns	Other	Tree	Shrub	Grass	Forbs	Ferns	Other	LT >50cm	HT	L%	FL (m)	TS 5-10 cm	TS 10-20 cm	TS 20-30 cm	TS 30-40 cm	TS 50-80 cm	TR <5 cm	E %
NB98HP1	98	High	-28.8176	150.4069	16	1	8	5	4	1	2	50	37.5	21.26	0.8	0.8	0.6	0	0	47	0	1	1	1	1	0	5	0.5
NO244LP10	244	Low	-28.7436	150.4194	36	1	7	3	6	0	0	5	3	10.2	0.7	0	0	0	0	12	0	0	2	3	0	0	0	25.1
NO27MP1	27	Medium	-28.8646	150.4026	294	1	7	6	2	0	1	30	20.8	8.2	2.2	0	10	5	1	30.8	82	1	0	1	1	0	3	5
NO35HP2	35	High	-28.8436	150.4040	319	1	7	8	4	1	1	60	3.8	11.6	1.7	0.1	0.5	0	0	36.2	9	1	1	1	0	0	3	1.1
NO35HP3	35	High	-28.8395	150.4024	182	2	6	8	7	0	1	32	56	9.2	2.5	0	1	8	0	48	6	1	1	1	1	0	6	2
NO36HP1	36	High	-28.8486	150.4036	252	1	5	2	7	0	0	30	3	11	9.3	0	0	1	0	38	10	1	1	1	1	1	0	31
NO36HS2	36	High	-28.8470	150.4035	270	2	8	8	14	0	1	52	29.5	21.9	7.9	0	0.2	5	6	42.5	31	2	3	15	3	4	1	10.1
NO36MP1	36	Medium	-28.8684	150.4014	137	3	5	5	4	0	0	2.2	1	30.8	3.3	0	0	2	2	47	33.5	0	0	1	0	1	0	0.1
NO36MP2	36	Medium	-28.8534	150.4048	137	2	8	6	5	0	0	35	7.5	1.7	12.2	0	0	1	0	37	28	1	1	1	1	1	0	10.5
NO36MP3	36	Medium	-28.8488	150.4045	80	2	11	8	11	1	1	41	4.8	7.7	5.1	2	0.1	3	0	71	19	1	1	1	1	1	1	3.1
NO56HP1	35	High	-28.8457	150.4049	100	2	7	4	4	0	1	10	10.9	17	13.3	0	0.3	3	0	17.6	0	1	1	0	1	0	6	0.3
NO56HP2	56	High	-28.8479	150.4035	300	2	8	2	6	1	0	6	30	3	12.4	0.5	0	0	1	21	0	0	0	0	1	0	0	0.7
NO56HP3	56	High	-28.8479	150.4035	10	1	10	4	1	0	2	5	58.3	3.7	35	0	1	1	0	12.8	43.5	1	0	0	1	0	0	0.6
NO56LP1	56	Low	-28.8655	150.4020	111	0	3	5	3	0	0	0	0.3	50.3	0.3	0	0	0	0	17	0	0	0	0	0	0	0	0
NO56LP10	56	Low	-28.8633	150.4035	180	0	5	9	12	0	0	0	4.7	57.7	2.6	0	0	0	0	21.8	0.5	0	0	0	0	0	0	0
NO56LS2	56	Low	-28.8476	150.4016	5	0	3	8	10	0	1	0	16.5	3.2	3.2	0	0.5	0	0	45	0	0	0	0	0	0	0	0
NO56LS3	56	Low	-28.7729	150.4261	165	0	4	10	11	1	0	0	4.5	11.4	5.4	0.1	0	0	0	0.8	0	0	0	0	0	0	0	70.5
NO56LS4	56	Low	-28.8545	150.4041	73	1	4	8	13	0	1	0.2	2.2	63.5	7.6	0.5	0	0	0	16.25	0	0	0	0	0	0	1	0
NO56LS5	56	Low	-28.5816	150.4034	352	0	2	9	12	0	1																	
NO56MP1	56	Medium	-28.8676	150.4023	225	1	6	5	5	0	0	2	1.9	20.8	5.5	0	0	0	0	17	5	0	0	0	0	0	0	0.9
NO56MP2	56	Medium	-28.8651	150.4053	207	1	6	7	8	0	1	20	0.8	6	1.4	0	0.1	2	2	14.8	0	0	1	0	0	0	0	1.21

Table notes:

LT >50 cm = Large Tree >50 cm, HT = Hollow Tree, FL (m) = Fallen Log (m), TS 5-10 cm = Tree Stem 5-10 cm, TS 10-20 cm = Tree Stem 10-20 cm, TS 20-30 cm = Tree Stem 20-30 cm, TS 30-40 cm = Tree Stem 30-40 cm, TS 50-80 cm = Tree Stem 50-80 cm, TR <5 cm = Tree Regen <5 cm, E% = Exotic % cover

Biodiversity Conservation Act 2016 TECs

Brigalow within the Brigalow Belt South, Nandewar and Darling Riverine Plains Bioregions		Assessment	Result
Key diagnostic characteristics			
Criteria type	Criteria		
Description	The Brigalow community is a low woodland or forest community dominated by Brigalow (<i>Acacia harpophylla</i>), with pockets of Belah (<i>Casuarina cristata</i>) and Poplar Box (<i>Eucalyptus populnea</i> subsp. <i>bimbi</i>). The canopy tends to be quite dense and the understorey and ground cover are only sparse.	This vegetation type is synonymous with high and medium condition classes of PCT 35 Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion within the subject land. These areas are restricted to the Brigalow Belt South bioregion and include Vegetation Zone's 35_NO_High and 35_NB_High shown in Appendix A	Yes
Distribution	Scattered remnants on the North West Slopes and Plains, Brigalow Belt South and Darling Riverine Plains in NSW; also, in Queensland. Usually occurs on heavy clay soils.	Brigalow woodland within the subject land occurs on Brigalow Belt South IBRA	Yes
Habitat and ecology	This community has been extensively cleared for agriculture, with most surviving remnants along roadsides and paddock edges It provides important habitat for rare native wildlife such as the Black-striped Wallaby.		Yes – Brigalow within the Brigalow Belt South, Nandewar and Darling Riverine Plains Bioregions is considered present within the subject land as shown in Appendix A.

Carbeen Open Forest Community in the Darling Riverine Plains and Brigalow Belt South Bioregions		Assessment	Result
Key diagnostic characteristics			
Criteria type	Criteria		
Description	This was previously an open forest community of flora and fauna that may now exist as woodland or as remnant trees. Characteristic tree species are Carbeen (<i>Corymbia tessellaris</i>) and White Cypress Pine (<i>Callitris glaucophylla</i>). Associated trees include <i>Corymbia dolichocarpa</i> , <i>Eucalyptus populnea</i> , <i>E. camaldulensis</i> , <i>Casuarina cristata</i> and <i>Allocasuarina leuhmannii</i> .	Isolated pockets of Carbeen are associated with Poplar Box and <i>Eucalyptus tereticornis</i> throughout the subject land in the Darling Riverine Plains bioregion. These areas are associated with PCT 628 and are assigned to Vegetation Zones 628_CB_High as shown in Appendix A.	Yes
Distribution	Carbeen Open Forest Community is a distinctive plant community on the riverine plains of the Meehi, Gwydir, MacIntyre and Barwon Rivers and in small remnants farther south.	Carbeen Open Forest was observed within the Darling Riverine Plains bioregion.	Yes

Carbeen Open Forest Community in the Darling Riverine Plains and Brigalow Belt South Bioregions		Assessment	Result
Habitat and ecology	<p>Occurs on siliceous sands, earthy sands and clayey sands</p> <p>It is found on flats and gentle rises of alluvial or aeolian sandy soils derived from ancient watercourses (it also occurs on some clay alluvial soils but is mostly restricted to well-drained sandy sites)</p> <p>These rises or lenses are remnants of prior streams and are often distant from existing rivers</p> <p>The structure of the community was previously open forest, but extensive clearing and grazing disturbances have reduced it to a mid-high or tall woodland of isolated remnant stands</p>	<p>PCT 628 is generally located on slightly elevated crests adjoining low-lying areas that formally supported Lignum wetlands which have been modified for cropping land uses. This community has been modified by grazing and generally supports a canopy layer with trees of varying ages and a ground layer consisting of chenopod shrubs and grass species.</p>	<p>Yes – Carbeen Open Forest Community in the Darling Riverine Plains and Brigalow Belt South Bioregions is considered present within the subject land as shown in Appendix AA.</p>

Myall Woodland in the Darling Riverine Plains, Brigalow Belt South, Cobar Penneplain, Murray-Darling Depression, Riverina and NSW South Western Slopes bioregions		Assessment	Result
Key diagnostic characteristics			
Criteria type	Criteria		
Description	<p>This ecological community is scattered across the eastern parts of the alluvial plains of the Murray-Darling river system. The community is also known as Boree particularly in the southern part of its distribution. Typically, it occurs on red-brown earths and heavy textured grey and brown alluvial soils within a climatic belt receiving between 375 and 500 mm mean annual rainfall. The structure of the community varies from low woodland and low open woodland to low sparse woodland or open shrubland, depending on site quality and disturbance history. The tree layer grows up to a height of about 10 m and invariably includes <i>Acacia pendula</i> (Weeping Myall or Boree) as one of the dominant species or the only tree species present. The understorey includes an open layer of chenopod shrubs and other woody plant species and an open to continuous groundcover of grasses and herbs. The structure and composition of the community varies, particularly with latitude, as chenopod shrubs are more prominent south of the Lachlan River district, while other woody species and summer grasses are more common further north. In some areas the shrub and canopy stratum may have been reduced or eliminated by clearing or heavy grazing, leaving derived grassland that may still constitute this community.</p>	<p>Vegetation Zone 27_NB_Medium which consists of PCT 27 Weeping Myall open woodland occurs in a shallow depression within a flat alluvial plain adjacent to Mobbindry Creek. Vegetation Zone 27_NB_Medium contains a monotypic stand of Weeping Myall A, <i>pendula</i>.</p>	<p>Yes</p>

Myall Woodland in the Darling Riverine Plains, Brigalow Belt South, Cobar Penepplain, Murray-Darling Depression, Riverina and NSW South Western Slopes bioregions		Assessment	Result
Distribution	This EEC is known from parts of the Local Government Areas of Berrigan, Bland, Bogan, Carrathool, Conargo, Coolamon, Coonamble, Corowa, Forbes, Gilgandra, Griffith, Gwydir, Inverell, Jerilderee, Lachlan, Leeton, Lockhart, Moree Plains, Murray, Murrumbidgee, Narrabri, Narranderra, Narromine, Parkes, Urana, Wagga Wagga and Warren, and but may occur elsewhere in these bioregions.	Vegetation Zone 27_NB_Medium is located within the Gwydir Local Government Area.	Yes – Myall Woodland in the Darling Riverine Plains, Brigalow Belt South, Cobar Penepplain, Murray-Darling Depression, Riverina and NSW South Western Slopes bioregions is considered present within the subject land as shown in Appendix A A.

Coolibah – Black Box Woodland in the Darling Riverine Plains, Brigalow Belt South, Cobar Penepplain and Mulga Lands Bioregions		Assessment	Result
Key diagnostic characteristics			
Criteria type	Criteria		
Description	A woodland community of flora and fauna is found on the grey, self-mulching clays of periodically waterlogged floodplains, swamp margins, ephemeral wetlands, and stream levees. The structure of the community may vary from tall riparian woodlands to very open 'savanna like' grassy woodlands with a sparse midstorey of shrubs and saplings. Typically these woodlands form mosaics with grasslands and wetlands, and are characterised by Coolibah (<i>Eucalyptus coolabah</i>) and, in some areas, Black Box (<i>E. largiflorens</i>).	This ECC is associated with PTCs 37, 39 and 40. PCT39 has been shown on government mapping within the study area however field assessment determined that PCT36 "River Red Gum tall to very tall open forest / woodland wetland on rivers" was the correct community as there was no Coolibah or Black box present within or adjacent to the study area. E. camaldulensis was the only eucalypt specifically associated with watercourses present within or adjacent to the study area.	No
Distribution	The definition of this community has been recently expanded in a NSW Scientific Determination to include woodlands in Cobar Penepplain and Mulga Lands bioregions, in addition to the northern riverine plains in the Darling Riverine Plains and Brigalow Belt South bioregions. The Commonwealth also defines the community as extending further south.	The EEC (PCT39) is mapped as occurring within the proposal area on the NSW State Vegetation Type Map – Border Rivers Gwydir-Namoi VIS ID 4681 however field investigation has shown that it is not present within the study area.	No

Coolibah – Black Box Woodland in the Darling Riverine Plains, Brigalow Belt South, Cobar Peneplain and Mulga Lands Bioregions		Assessment	Result
Habitat and ecology	<ul style="list-style-type: none"> Abiotic factors that help define this community are that it typically occurs on grey self-mulching clays of periodically waterlogged floodplains, swamp margins, ephemeral wetlands and stream levees. The vegetative community provides characteristic habitat features of value to particular fauna, including a grassy understorey with scattered fallen logs, areas of deep-cracking clay soils, patches of thick regenerating Eucalyptus saplings, and large trees containing a diverse bark and foliage foraging resource and an abundance of small and large hollows. 	While the abiotic factors for this community are present within the study area the defining plant species are not.	No

White Box – Yellow Box Blakely’s Red Gum Woodland		Assessment	Result
Key diagnostic characteristics			
Criteria type	Criteria		
Description	Box-Gum Woodland is characterised by the presence or prior occurrence of <i>Eucalyptus albens</i> (White Box), <i>E. melliodora</i> (Yellow Box) and/or <i>E. blakelyi</i> (Blakely’s Red Gum). The trees may occur as pure stands, mixtures of the three species or in mixtures with other trees such as <i>E. bridgesiana</i> (Apple Box), <i>E. microcarpa</i> (Grey Box), <i>E. mannifera</i> (Brittle Gum), <i>E. rubida</i> (Candlebark), <i>E. cinerea</i> (Argyle Apple) and <i>E. macrorrhyncha</i> (Red Stringybark).	This EEC is associated with the following PCTs: 435,496,281,434,433,421 and 437 none of which were found within the study area during field assessments	No
Distribution	Box-Gum Woodland is found from the Queensland border in the north, to the Victorian border in the south. It occurs in the tablelands and western slopes of NSW.	Box-Gum woodland was not observed within the study area however it is recorded within the IBRA region	Yes within the IBRA region but not within the study area
Habitat and ecology	<ul style="list-style-type: none"> Characterised by the presence or prior occurrence of White Box, Yellow Box and/or Blakely’s Red Gum. The trees may occur as pure stands, mixtures of the three species or in mixtures with other trees, including wattles. 	The dominant and co-dominant tree species for this EEC were not present within study area nor were they considered likely to have been historically removed from the study area	No – Box-Gum woodland is not considered present within the study area.

White Box – Yellow Box Blakely’s Red Gum Woodland	Assessment	Result
<ul style="list-style-type: none"> ■ Commonly co-occurring eucalypts include Apple Box (<i>E. bridgesiana</i>), Red Box (<i>E. polyanthemos</i>), Candlebark (<i>E. rubida</i>), Snow Gum (<i>E. pauciflora</i>), Argyle Apple (<i>E. cinerea</i>), Brittle Gum (<i>E. mannifera</i>), Red Stringybark (<i>E. macrorhyncha</i>), Grey Box (<i>E. microcarpa</i>), Cabbage Gum (<i>E. amplifolia</i>) and others. ■ The understorey in intact sites is characterised by native grasses and a high diversity of herbs ■ Shrubs are generally sparse or absent, though they may be locally common. ■ Remnants generally occur on fertile lower parts of the landscape where resources such as water and nutrients are abundant. 		

Semi-evergreen Vine Thicket of the Brigalow Belt South and Nandewar Bioregions		Assessment	Result
Key diagnostic characteristics			
Criteria type	Criteria		
Description	Semi-evergreen Vine Thicket is characterised by the presence of a dense form of dry rainforest generally less than 10 m high, made up of vines and rainforest trees as well as some shrubs. The main canopy is dominated by rainforest species such as Red Olive Plum (<i>Cassine australis</i> var. <i>angustifolia</i>), Wilga (<i>Geijera parvifolia</i>) Native Olive (<i>Notelaea microcarpa</i> var. <i>microcarpa</i>) and Peach Bush (<i>Ehretia membranifolia</i>). Currant Bush (<i>Carissa ovata</i>) is often present and typical vines include Gargaloo (<i>Parsonsia eucalytophylla</i>) and Wonga Vine (<i>Pandorea pandorana</i>).	The EEC is associated with PCT 147 Mock Olive - Wilga - Peach Bush - <i>Carissa</i> semi-evergreen vine thicket (dry rainforest) mainly on basalt soils in the Brigalow Belt South Bioregion and several other PCTs. This PCT is present at Borrow pit 1 (BP1)	Yes
Distribution	The Semi-evergreen Vine Thicket in the Brigalow Belt South and Nandewar Bioregions is known or predicted to occur in the following sub-regions of the Brigalow Belt South Interim Biogeographic Regionalisation of Australia: Liverpool Plains, Northern Basalts and Northern Outwash.	This vegetation community is found within the Brigalow Belt South and Nandewar Bioregions	Yes within the IBRA region and the study area

Semi-evergreen Vine Thicket of the Brigalow Belt South and Nadewar Bioregions		Assessment	Result
Habitat and ecology	Characterised by the presence of dry rainforest species less than 10 m high with a high level of vine cover and some shrubs. Taller eucalypts and cypress pines from surrounding vegetation community may occur as emergent species. Current bush (<i>Carissa ovata</i>) is often present along with other vines such as Gargaloo (<i>Parsonsia eucalytophylla</i>) and Wonga Vine (<i>Pandorea pandorana</i>). This community often occurs on rocky hills, in deep, loam, high nutrient soils derived from basalt or other volcanic rocks, in areas which are sheltered from frequent fire.	The dominant species assemblage for this EEC was present within study area.	Yes – semi-evergreen Vine Thicket is considered present within the study area.

APPENDIX



B

Biodiversity
Technical Report

Appendix C Environmental Protection and
Biodiversity Protection—
Criteria and Thresholds

NORTH STAR TO NSW/QUEENSLAND BORDER ENVIRONMENTAL IMPACT STATEMENT



The Australian Government is delivering
Inland Rail through the Australian
Rail Track Corporation (ARTC), in
partnership with the private sector.

Appendix C

EPBC – criteria and thresholds

Key diagnostic characteristics and condition thresholds

Environment Protection and Biodiversity Conservation Act 1999 TECs

Criteria - Brigalow (<i>Acacia harpophylla</i>) dominant and co-dominant) community			
Key diagnostic characteristics			
Criteria type	Criteria	Assessment	Result
Landscape	<p>Equates to three NSW VCA Communities:</p> <p>VCA ID 29: Brigalow open woodland on red earth and clay plains mainly in the Mulga Lands Bioregion;</p> <p>VCA ID 31: Brigalow – Gidgee open woodland on clay plains west of the Culgoa River, Mulga Lands Bioregion; and</p> <p>VCA ID 35: Brigalow-Belah woodland on alluvial often gilgaied clay soil mainly in the Brigalow Belt South Bioregion</p> <p>Also corresponds to:</p> <ol style="list-style-type: none"> 1. Brigalow-Bidgee woodland/shrubland in the Mulga Lands and Darling Riverine Plains Bioregions (Gazetted in 2005); and <p>Brigalow within the Brigalow Belt South, Nandewar and Darling Riverine Plains Bioregions (Gazetted in 2002).</p>	<p>PCT 35 Brigalow – Belah open forest/woodland on alluvial often gilgaied clay from Pilliga Scrub to Goondiwindi, Brigalow Belt South Bioregion is located within the subject land which synonymous with Brigalow (<i>Acacia harpophylla</i>) dominant and co-dominant community TEC.</p>	Yes
Biota	<p>The presence of <i>Acacia harpophylla</i> as one of the most abundant tree species in the patch. It is either a dominant tree layer, or co-dominant with other species notably <i>Casuarina cristata</i>, other species of <i>Acacia</i>, or species of <i>Eucalyptus</i></p>	<p>Brigalow is generally the dominant tree species within PCT 35 and in some instances is co-dominant with <i>Eucalyptus populnea</i>.</p>	Yes
and/or	<p>The vegetation in the patch is brigalow regrowth with species composition and structural elements broadly typical of one of the identified NSW vegetation communities (although the density may be reduced). This can be assumed to be the case where it has been at least 15 years since it was last comprehensively cleared (nor just thinned); unless direct evidence proves otherwise.</p>	<p>Vegetation within PCT 35 is synonymous with VCA ID 35: Brigalow-Belah woodland on alluvial often gilgaied clay soil mainly in the Brigalow Belt South Bioregion. Vegetation within Vegetation Zones 35_NO_High and 35_NB_High are likely to be older than 15 years due to the presence of multiple vegetation strata.</p>	Yes

Criteria - Brigalow (<i>Acacia harpophylla</i>) dominant and co-dominant) community			
Condition thresholds			
Step A1	The patch is 0.5 ha or more in size	Sub-zones within Vegetation Zones 35_NO_High and 35_NB_High that are >0.5 ha and that contain <50% total cover of exotic perennial plants within a sample area of 0.5 ha are shown in Appendix AA.	Yes
Step A2 (EWH&A Listing Advice)	Exotic perennial plants comprise less than 50% of the total vegetation cover of the patch, as assessed over a minimum sample area of 0.5 ha that is representative of the patch.	Sub-zones within Vegetation Zones 35_NO_High and 35_NB_High that are >0.5 ha and that contain <50% total cover of exotic perennial plants within a sample area of 0.5 ha are shown in Appendix A.	Yes Brigalow (<i>Acacia harpophylla</i>) dominant and co-dominant) community is considered present within the subject land as shown in Appendix B.

Criteria - Natural Grasslands on Basalt and Fine-textured Alluvial Plains of Northern New South Wales and Southern Queensland			
Key diagnostic characteristics			
Criteria type	Criteria	Assessment	Result
Landscape	Corresponds closest to two NSW PCTs: <ul style="list-style-type: none"> Community ID 52 Queensland bluegrass- cup grass- Mitchell grass-native millet alluvial plains grassland Community ID 102 Plains grass grasslands on basaltic black earth soils mainly on the Liverpool Plains in the Brigalow Belt South bioregion (Benson unpublished).	PCT 52 Queensland bluegrass- cup grass- Mitchell grass-native millet alluvial plains grassland is located within the subject land which synonymous with the community TEC.	Yes
Biota	Trees absent or sparse such that the projective foliage cover of trees in the patch is 10% or less?	Yes	Yes
and/or	Are there at least 200 native grass tussocks in the patch?	Vegetation within PCT 52 contains	Yes
Condition thresholds			
Best quality			
Step A1	The patch is 0.5 ha or more in size	Sub-zones within Vegetation Zone 52_CB Medium_ are >0.5 ha and are likely to meet the additional criteria in non-drought years with one Plot meeting the criteria at the time of assessment. See mapping contained in Appendix AA.	Yes

Criteria - Natural Grasslands on Basalt and Fine-textured Alluvial Plains of Northern New South Wales and Southern Queensland			
Step A2 (EWH&A Listing Advice)	<p>AND are there at least 4 perennial native grass indicator species present?</p> <p>AND is the total projective foliage cover of shrubs less than 30%?</p> <p>AND do perennial non-woody introduced species make up less than 5% of the total perennial projective foliage cover?</p>	Sub-zones within Vegetation Zones 35_NO_High and 35_NB_High that are >0.5 ha and that contain <50% total cover of exotic perennial plants within a sample area of 0.5 ha are shown in Appendix A.	Yes PCT 52 is considered present within the subject land as shown in Appendix A.
Condition thresholds			
Good quality			
Step B1	The patch is at least 2 ha in size	Yes	Yes
Step B2	<p>AND are there at least 3 perennial native grass indicator species present?</p> <p>AND is the total projective foliage cover of shrubs less than 50%?</p> <p>AND do perennial non-woody introduced species make up less than 30% of the total perennial projective foliage cover?</p>	As above it is considered that in non-drought years the mapped PCT 52 will meet the condition thresholds of best quality Natural grasslands on basalt and fine-textured alluvial plains of northern New South Wales	Yes

Criteria – Coolibah – Black Box Woodland in the Darling Riverine Plains, Brigalow Belt South Bioregions		Assessment	Result
Key diagnostic characteristics			
Criteria type	Criteria		
Landscape	Open eucalypt woodlands formerly occurred across a range of climatic regions of Australia, including semi-arid and humid subtropical zones. The position in the landscape of these woodlands can determine the vegetation structure of the woodlands such as if they occur on the floodplains or uplands and consequently, whether they have a more shrubby or more grassy understorey (Keith, 2004).	The subject land is located within both the Darling Riverine Plains and the Brigalow Belt South bioregions.	Yes

Criteria – Coolibah – Black Box Woodland in the Darling Riverine Plains, Brigalow Belt South Bioregions		Assessment	Result
	The ecological community is associated with the floodplains and drainage areas of the Darling Riverine Plains and the Brigalow Belt South bioregions (Bioregions are defined based on the Interim Biogeographic Regionalisation for Australia (IBRA) version 6.1).	The subject land contains landscape features that match the location description of the community.	Yes
Biota	<p>The key diagnostic attributes for the Coolibah – Black Box Woodlands of the Darling Riverine Plains and the Brigalow Belt South Bioregions ecological community are as follows:</p> <ul style="list-style-type: none"> ■ Distribution is limited to the Darling Riverine Plains and the Brigalow Belt South bioregions (IBRA v6.1). ■ It typically occurs on the grey, self-mulching clays of periodically waterlogged floodplains, swamp margins, ephemeral wetlands and stream levees. ■ A tree canopy layer is present that shows these features: <ul style="list-style-type: none"> – <i>Eucalyptus coolabah</i> subsp. <i>coolabah</i> (Coolibah) must be present in the tree canopy; – Coolibah typically is dominant (≥50% of tree crown cover); – Where Coolibah and <i>E. largiflorens</i> (Black Box) co-occur, together they make up the dominant species in the tree canopy layer (≥50% of tree crown cover); – Hybrids of Coolibah or Black Box with each other and other <i>Eucalyptus</i> species (typically Bimble Box) are included as dominant tree species. 	The dominant canopy species are not present within or adjacent to the study area, nor does it appear that these species have been removed from the landscape.	No – the listed vegetation community is not present within the study area.
	The mid or shrub layer may or may not be present. When present it is typically sparse or clumped and is of variable composition		
	The ground layer is of variable composition and cover ranging from sparse to dense. Ground cover lifeforms typically comprise native graminoids, other herbs, chenopods and other low shrubs that are typically under 50 cm tall.		
Condition thresholds			
	<p>Minimum patch size is 5 ha.</p> <p>This may include areas of native vegetation that may be naturally open or contain regrowth.</p>	Vegetation of this patch size does exist within the study area	Yes

Criteria – Coolibah – Black Box Woodland in the Darling Riverine Plains, Brigalow Belt South Bioregions		Assessment	Result
AND	<p>The crown cover of canopy trees in the patch is $\geq 8\%$ of trees in the patch must be $\geq 8\%$;</p> <p>AND</p> <ul style="list-style-type: none"> ■ Coolibah and/or Black Box in the tree canopy must be present in the patch that are either: <ul style="list-style-type: none"> o mature trees with a main stem that has a dbh of ≥ 30 cm; OR o hollow-bearing trees (live or dead); OR o coppiced trees with a main stem that has a dbh of ≥ 20 cm. 	There is no Coolibah or Black Box present within the study area	No
AND	<p>Exotic species:</p> <ul style="list-style-type: none"> • In the ground layer, the percentage cover of non-native perennial plant species does not exceed the percentage cover of native plant species (annual or perennial). 	Not yet assessed as the above conditions have not been met for this vegetation community.	No

Criteria – Poplar Box Grassy Woodland on Alluvial Plains		Assessment	Result
Key diagnostic characteristics			
Criteria type	Criteria		
Landscape	<p>The Poplar Box Grassy Woodland is located west of the Great Dividing Range, typically at less than 300 m above sea level (ASL) and between latitudes 20°S to 34°S.</p> <p>The ecological community occurs within the Brigalow Belt North, Brigalow Belt South, Southeast Queensland, Cobar Peneplain, Darling Riverine Plains, NSW South Western Slopes and Riverina IBRA bioregions</p>	The subject land is located within both the Darling Riverine Plains and the Brigalow Belt South bioregions.	Yes
	Associated with ancient and recent depositional alluvial plains with clay, clay-loam, loam and sandy loam, typically duplex soils or sodosols. This includes areas that may not be part of currently defined floodplains.	The subject land contains landscape features that match those described within the criteria.	Yes

Criteria – Poplar Box Grassy Woodland on Alluvial Plains		Assessment	Result
Biota	<p>A tree canopy layer is present that shows these features:</p> <ul style="list-style-type: none"> ■ A grassy woodland to grassy open woodland with a tree crown cover of 10% or more at patch scale. ■ A tree canopy must be present that shows these features: <ul style="list-style-type: none"> – Canopy tree species are capable of reaching 10 m or more in height; – <i>Eucalyptus populnea</i> (Poplar Box) must be present in the canopy and is the dominant tree species; – Where hybrids of Poplar Box with other <i>Eucalyptus</i> spp are present, they should be counted as part of the <i>Eucalyptus populnea</i> component of the tree canopy when assessing the previous criterion. 	Two PCTs (56 & 244) within the subject land contain tree canopy species that are dominated by <i>Eucalyptus populnea</i> . Of those PCTs classes 56 Medium and High and 244 Medium and High are likely to meet required 10% canopy cover.	Yes - Poplar Box Grassy Woodland is present within the subject land
	<ul style="list-style-type: none"> ■ Mid layer (1-10 m) crown cover of shrubs to small trees is low, about 30% or less 	No yet assessed to scale	TBA – assume presence
	<ul style="list-style-type: none"> ■ A ground layer (<1 m) mostly dominated across a patch by native grasses, other herbs and occasionally chenopods (during extended dry periods), ranging from sparse to thick (in response to canopy development, soil moisture, disturbance and/or management history). 	Yes	Yes
Condition thresholds Class A			
Class A1 Step A	Minimum patch size is 1 ha. Little to no perennial weeds and diverse native understorey	Not yet assessed	TBA
Class A1 Step B	<p>The crown cover of canopy trees in the patch is ≥10%</p> <p>AND</p> <p>≥ 90% of perennial vegetation cover in the ground layer** is native</p> <p>AND</p> <p>≥ 30 native plant species per patch in the ground layer</p>	Not yet assessed	TBA
Class A2 Step A	Minimum patch size is 5ha. A large patch with low perennial weeds and diverse native understorey	Not yet assessed	TBA
Class A2 Step B	<p>The crown cover of canopy trees in the patch is ≥10%</p> <p>AND</p> <p>≥70% of perennial vegetation cover in the ground layer** is native</p> <p>AND</p> <p>≥ 30 native plant spp. per patch in the ground layer</p>	Not yet assessed	TBA

Criteria – Poplar Box Grassy Woodland on Alluvial Plains		Assessment	Result
Condition thresholds Class B			
Class B Step A	Minimum patch size 5ha. A large patch with good quality native understorey or with mature trees	Not yet assessed	TBA
Class B Step B	The crown cover of canopy trees in the patch is ≥10% AND ≥ 50% of perennial vegetation cover in ground layer** is native AND EITHER ≥ 20 perennial native plant species per patch in the ground layer OR ≥ 10 mature trees+ per ha with ≥ 30 cm dbh*** (and/or hollows)	Not yet assessed	TBA
Condition thresholds Class C			
Class C Step A	Minimum patch size 5ha. A large patch with low native cover but retains good native understorey diversity and habitat features of mature trees	Not yet assessed	TBA
Class C Step B	The crown cover of canopy trees in the patch is ≥10% AND If < 50% of perennial vegetation cover in ground layer** is native, then the patch must have: ≥ 20 native plant spp. per patch in the ground layer AND ≥ 10 mature trees+ per ha with ≥ 30 cm dbh*** (and/or hollows) AND smaller trees+, saplings or seedlings suggestive of periodic recruitment	Not yet assessed	TBA

Weeping Myall Woodlands		Assessment	Result
Key diagnostic characteristics			
Criteria type	Criteria		
Species assemblage	Often occur in monotypic stands however other vegetation may also occur although not as dominant species. These species include Western Rosewood (<i>Alectryon oleifolius</i> subsp. <i>elongatus</i>); Poplar Box (<i>Eucalyptus populnea</i>); or Black Box (<i>Eucalyptus largiflorens</i>). Grey Mistletoe (<i>Amyema quandang</i>) commonly occurs.	Weeping Myall forms a monotypic stand of vegetation which contained Grey Mistletoe <i>Amyema quandang</i> throughout.	Yes
	The understorey often includes an open layer of shrubs above an open layer of grasses and herbs. The ground layer includes a diversity of grasses and forbs and varies in species composition and cover. The community may contain chenopods including saltbushes, native cotton bushes, bluebushes, goosefoots and copperburrs or alternatively winter-growing grasses including Mitchell Grass (<i>Astrebla</i> spp.) and Queensland Blue Grass (<i>Dichanthium sericeum</i>) may also be common.	Weeping Myall Woodlands woodland TEC is synonymous with PCT 27 within the subject land which contains a grazed grassy understorey of <i>Einadia nutans</i> subsp. <i>Nutans</i> , <i>Atriplex leptocarpa</i> and grasses, <i>Enteropogon acicularis</i> , <i>Aristida leptopoda</i> and <i>Aristida jerichoensis</i> .	Yes
Soils and landscape	The community tends to occur on flat areas, shallow depressions or gilgais on raised (relict) alluvial plains. These areas are not associated with active drainage channels and are rarely, if ever, flooded.	Vegetation Zone 27_NB_Medium which consists of PCT 27 Weeping Myall open woodland occurs in a shallow depression within a flat alluvial plan adjacent to Mobbindry Creek.	Yes
Condition thresholds (EWH&A Listing Advice)			
Step A1	The tree canopy is dominated (at least 50% of trees present) by living, dead or defoliated Weeping Myall trees; and	In Vegetation Zone 27_NB_Medium Weeping Myall forms a monotypic stand of vegetation which includes ~90% of canopy species present.	Yes
Step A2	The overstorey must have at least 5% tree canopy cover or at least 25 dead or defoliated mature Weeping Myall trees/ha; and	In Vegetation Zone 27_NB_Medium Weeping Myall has a canopy cover of ~30 – 40%.	Yes
Step A3	The area is at least 0.5 ha in size; and	The total area of Weeping Myall Woodland in Vegetation Zone 27_NB_Medium is 0.8 ha.	Yes

Weeping Myall Woodlands		Assessment	Result
Step A4	The patch has either: more than two layers of regeneration of Weeping Myall present; or the tallest layer of living, dead or defoliated Weeping Myall trees is at least 4 m tall and of the vegetative cover present, 50% is comprised of native species.	Vegetation Zone 27_NB_Medium contains just one cohort of Weeping Myall regeneration The tallest layer of Weeping Myall is 7 to 10 m and >50% cover of vegetation is made up of native species.	No Yes – Weeping Myall Open Woodland of the Darling Riverine Plains and Brigalow Belt South Bioregions is considered present within the subject land as shown in Appendix A.

White Box – Yellow Box Blakely’s Red Gum Woodland		Assessment	Result
Key diagnostic characteristics			
Criteria type	Criteria		
Description	Box-Gum Woodland is characterised by the presence or prior occurrence of <i>Eucalyptus albens</i> (White Box), <i>E. melliodora</i> (Yellow Box) and/or <i>E. blakelyi</i> (Blakely’s Red Gum). The trees may occur as pure stands, mixtures of the three species or in mixtures with other trees such as <i>E. bridgesiana</i> (Apple Box), <i>E. microcarpa</i> (Grey Box), <i>E. mannifera</i> (Brittle Gum), <i>E. rubida</i> (Candlebark), <i>E. cinerea</i> (Argyle Apple) and <i>E. macrorrhyncha</i> (Red Stringybark).	This EEC is associated with the following PCTs: 435,496,281,434,433,421 and 437 none of which were found within the study area during field assessments	No
Distribution	Box-Gum Woodland is found from the Queensland border in the north, to the Victorian border in the south. It occurs in the tablelands and western slopes of NSW.	Box-Gum woodland was not observed within the study area however it is recorded within the IBRA region	Yes within the IBRA region but not within the study area

White Box – Yellow Box Blakely's Red Gum Woodland		Assessment	Result
Habitat and ecology	<ul style="list-style-type: none"> ■ Characterised by the presence or prior occurrence of White Box, Yellow Box and/or Blakely's Red Gum. ■ The trees may occur as pure stands, mixtures of the three species or in mixtures with other trees, including wattles. ■ Commonly co-occurring eucalypts include Apple Box (<i>E. bridgesiana</i>), Red Box (<i>E. polyanthemos</i>), Candlebark (<i>E. rubida</i>), Snow Gum (<i>E. pauciflora</i>), Argyle Apple (<i>E. cinerea</i>), Brittle Gum (<i>E. mannifera</i>), Red Stringybark (<i>E. macrorhyncha</i>), Grey Box (<i>E. microcarpa</i>), Cabbage Gum (<i>E. amplifolia</i>) and others. ■ The understorey in intact sites is characterised by native grasses and a high diversity of herbs ■ Shrubs are generally sparse or absent, though they may be locally common. ■ Remnants generally occur on fertile lower parts of the landscape where resources such as water and nutrients are abundant. 	The dominant and co-dominant tree species for this EEC were not present within study area nor were they considered likely to have been historically removed from the study area	No – Box-Gum woodland is not considered present within the study area.

Semi-evergreen Vine Thicket in the Brigalow Belt (North and South) and Nandewar Bioregions		Assessment	Result
Key diagnostic characteristics			
Criteria type	Criteria		
Description	<p>The semi-evergreen vine thickets in New South Wales are part of the <i>Notelaea microcarpa</i>-<i>Ehretia membranifolia</i>-<i>Geijera parviflora</i> vine thicket sub-alliance of Floyd (1990). The vegetation (particularly in northern areas of its distribution) is similar to that in the southern part of the 'central SEVT' area in Queensland (Curran 2003; see also Nix et al. 1992).</p> <p>Relative to the small size of the vine thicket patches, the vegetation is floristically rich in shrubs, small trees and vines (Williams 1999). The plant species diversity of the vine thickets is, however, much lower than the floristic diversity of the vine thickets in Queensland. Vine thickets in New South Wales are also generally more open than those in Queensland (Floyd 1990), often comprising local thickets of densely spaced trees and shrubs frequently alternating with gaps in which trees and shrubs are absent or sparsely scattered, and in extreme cases occurring just as scattered individuals (Williams 2003).</p>	<p>The following PCTs are associated with this EEC within the Brigalow Belt South Bioregion, 147,228,378,442,452,547,628 and 1124</p> <p>PCT 417 is mapped and considered present within Borrow pit 1 (BP1)</p>	Yes

Semi-evergreen Vine Thicket in the Brigalow Belt (North and South) and Nandewar Bioregions		Assessment	Result
Distribution	<p>Semi-evergreen vine thickets are widely scattered with a common structure (architecture) but considerable regional variation in floristic associations. Semi-evergreen vine thickets occur within Queensland, New South Wales, the Northern Territory and Western Australia.</p> <p>The vine thickets occur mainly on hills on light clay soils derived from basalt (Benson et al. 1996) but also occur in areas with sandy loams derived from sediments (Williams 1999).</p> <p>Within the Brigalow Belt Bioregions, semi-evergreen vine thickets have been fragmented, reduced in area and degraded through land clearing and agricultural/grazing practices.</p>	SEVT was observed within the study area and is recorded within the IBRA region	Yes within the study area.
Habitat and ecology	<p>The vine thickets are dominated by a variety of low tree and shrub species, with the species composition varying from north to south, possibly due to rainfall differences (Benson et al. 1996). Characteristic canopy species include <i>Elaeodendron australe</i> var. <i>integrifolium</i> (Red Olive Plum), <i>Ehretia membranifolia</i> (Peach Bush), <i>Geijera parviflora</i> (Wilga), <i>Notelaea microcarpa</i> (Native Olive), <i>Pouteria cotinifolia</i> var. <i>pubescens</i> (Yellow Lemon) and <i>Pittosporum spinescens</i> (Wallaby Apple, Large-fruited Orange Thorn). The trees and tall shrubs are usually 2–10 m tall (Floyd 1990).</p> <p>Emergent trees often associated with the vine thickets include <i>Eucalyptus</i> spp., <i>Callitris glaucophylla</i> (White Cypress Pine), <i>Casuarina cristata</i> (Belah) and <i>Brachychiton populneus</i> (Kurrajong). These trees are usually dominant in adjacent woodlands. Vines frequently present include <i>Parsonsia</i> spp, <i>Pandorea pandorana</i> (Wonga Wonga Vine) and <i>Jasminum didymum</i> subsp. <i>lineare</i> (Desert Jasmine). <i>Cadellia pentastylis</i> (Ooline) which is associated with vine thickets in Queensland may be locally dominant in vegetation in northern New South Wales and occurs in similar areas to vine thickets (Floyd 1990; Benson 1993; McDonald 1996). Ooline vegetation is not however included as part of the listed SEVT ecological community in New South Wales (based on New South Wales Scientific Committee (1999); see Threatened Species Scientific Committee 2001).</p>	The dominant and co-dominant species for this EEC were present within study area	Yes – SEVT is considered present within the study area.



National Herbarium of New South Wales

Enquiry No: 20830
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Ph. No: (02) 9231 8111
Date: 21 January 2019

Ms Sarah GLAUERT
Aurecon
Suite 6.02, Level 6
14 Moore Street
Canberra City, ACT 2601
AUSTRALIA

Dear Ms GLAUERT,

Thank you for your enquiry of 19-Nov-18. We are happy to provide the following information:

Please do provide a list of your specimens and assign each a unique alpha numeric number

(Lepidium 1) *Lepidium bonariense* det. B.M. Wiecek 17 Jan 2019
(Sida 1) *Sida trichopoda* det. B.M. Wiecek 17 Jan 2019
(Sida 4) *Sida trichopoda* det. B.M. Wiecek 17 Jan 2019
(Sida 5) *Sida trichopoda* det. B.M. Wiecek 17 Jan 2019
(Sida 3) *Sida trichopoda* det. B.M. Wiecek 17 Jan 2019
(Lepidium 3) *Haloragis heterophylla* det. B.M. Wiecek 17 Jan 2019
(Lepidium 2) *Lepidium africanum* det. B.M. Wiecek 17 Jan 2019
(Glycine 1) *Glycine canescens* det. B.M. Wiecek 17 Jan 2019
No number, 31/10/11 at 28.78950404, 150.40924192 *Stemodia glabra* det. B.M. Wiecek 17 Jan 2019
(Maireana sample 1) Fruits very immature possibly *Maireana pentagona* (not previously recorded this far north in NSW but is found over the border in Queensland. det. B.M. Wiecek 17 Jan 2019
(Sporobolus sp.) *Sporobolus creber* det. B.M. Wiecek 17 Jan 2019
(Sporobolus sample 2) *Sporobolus actinocladius* det. B.M. Wiecek 17 Jan 2019
(Maireana 2, long leaf) *Salsola australis* det. B.M. Wiecek 17 Jan 2019
(Maireana woolly) *Maireana coronata* det. B.M. Wiecek 17 Jan 2019

An invoice for \$322.00 (incl. GST) will be forwarded to you separately by our finance section to cover cost of identification.

Thank you for your enquiry.

Yours sincerely

Barbara Wiecek
Identification Botanist
Botanical Information Service