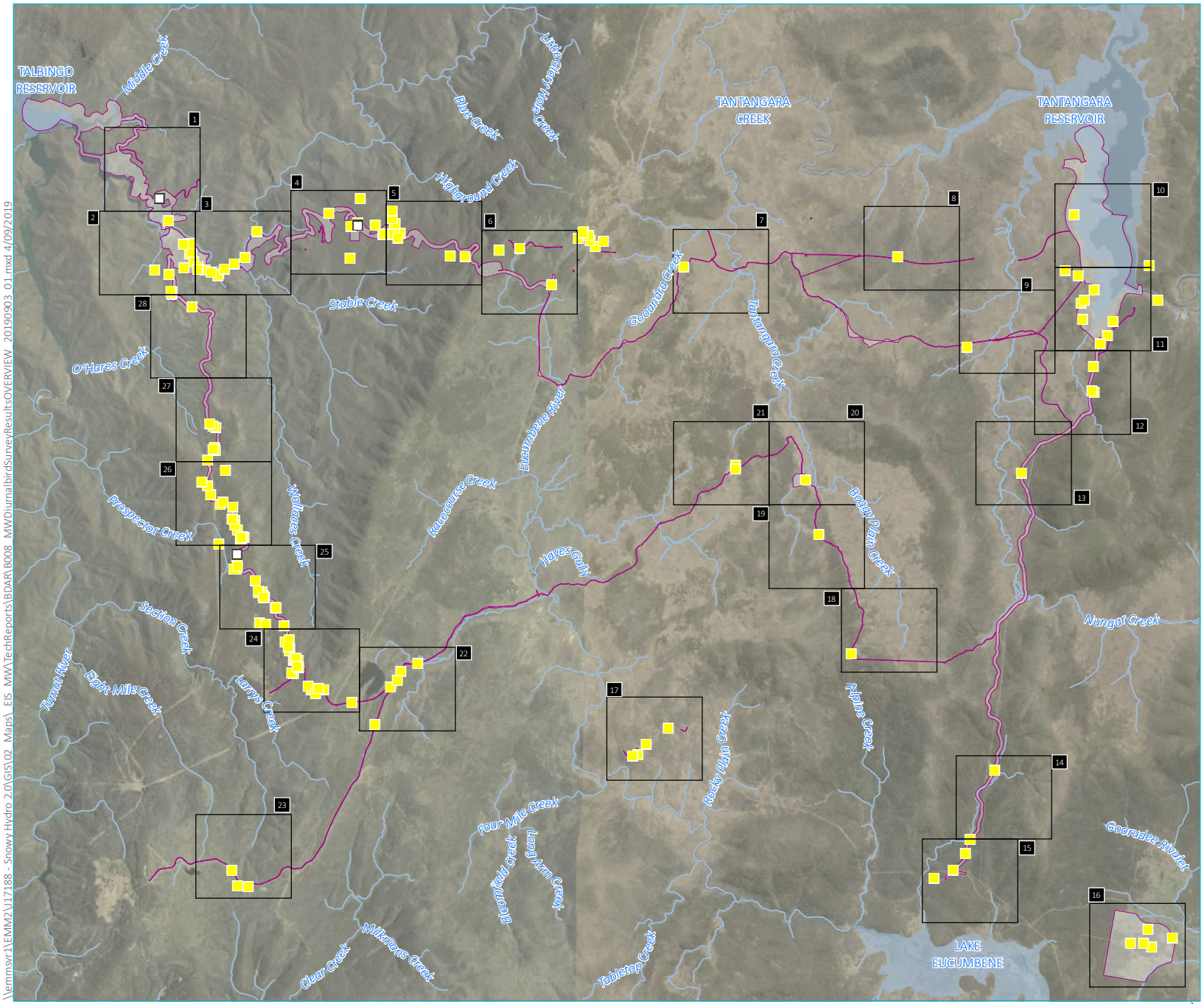


KEY

- Diurnal bird survey grid index
- Main Works disturbance footprint
- Waterbody
- Gang-gang Cockatoo breeding hollow (3)
- Gang-gang Cockatoo (164)
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 2.5 5 km

GDA 1994 MGA Zone 55

N

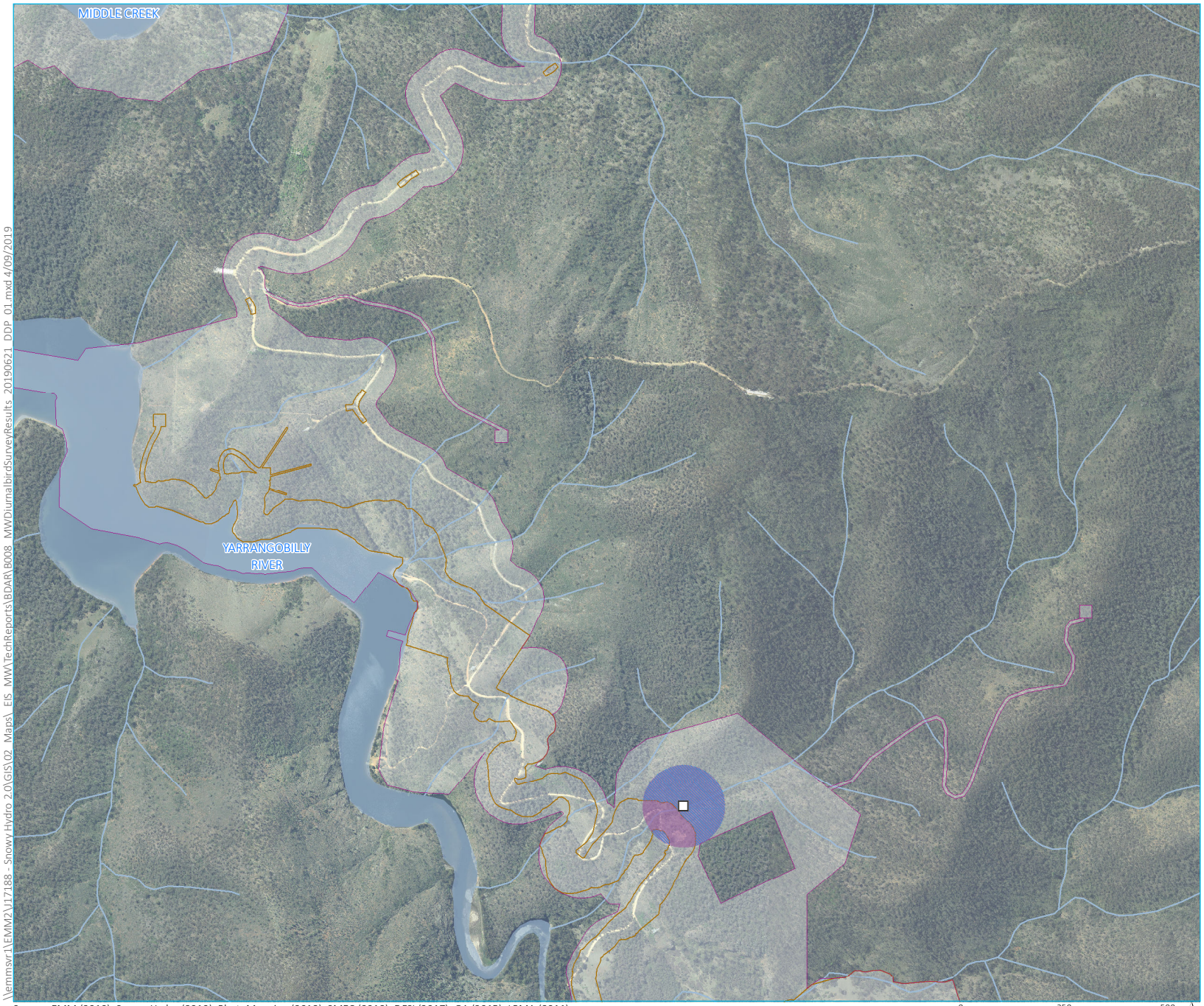
\\emmsvr1\EMM2\J17188 - Snowy Hydro 2.0\GIS\02 Maps\ EIS MW\TechReports\BDAR\B008 MWDiurnalbirdSurveyResultsOVERVIEW 20190903 01.mxd 4/09/2019

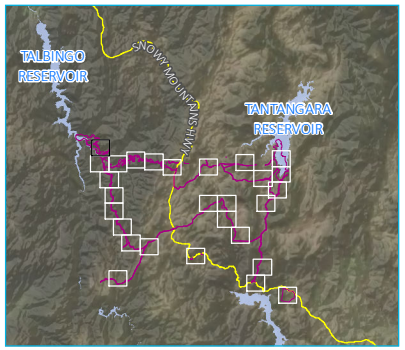
Diurnal bird survey results - overview

Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.0

snowy 2.0

EMM creating opportunities





KEY

- Gang-gang Cockatoo species polygon
- Gang-gang Cockatoo species habitat
- Main Works disturbance footprint
- Approved footprint
- Gang-gang Cockatoo breeding hollow (1)
- Gang-gang Cockatoo (1)
- Waterbody
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

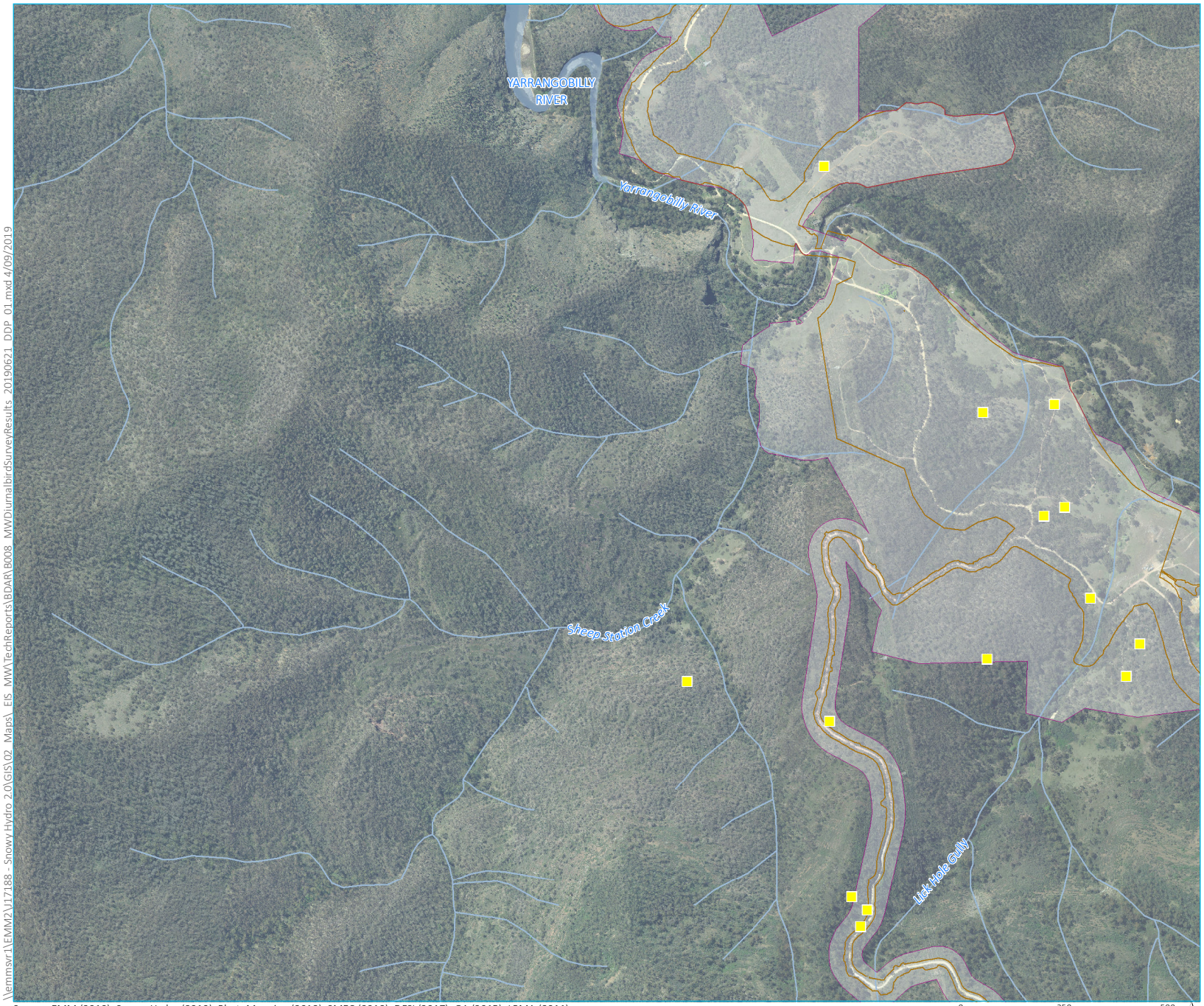
Diurnal bird survey results

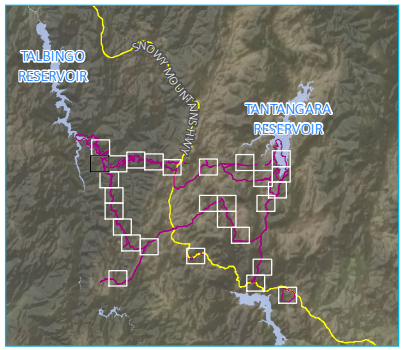
Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.1

snowy 2.0

EMM creating opportunities

\\emmsvr1\EMM2\J17188 - Snowy Hydro 2.0\GIS\02 Maps\ EIS MW\TechReports\BDAR\B008 MWDiurnalbirdSurveyResults 20190621 DDP 01.mxd 4/09/2019





KEY

- Main Works disturbance footprint
- Approved footprint
- Gang-gang Cockatoo (15)
- Waterbody
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

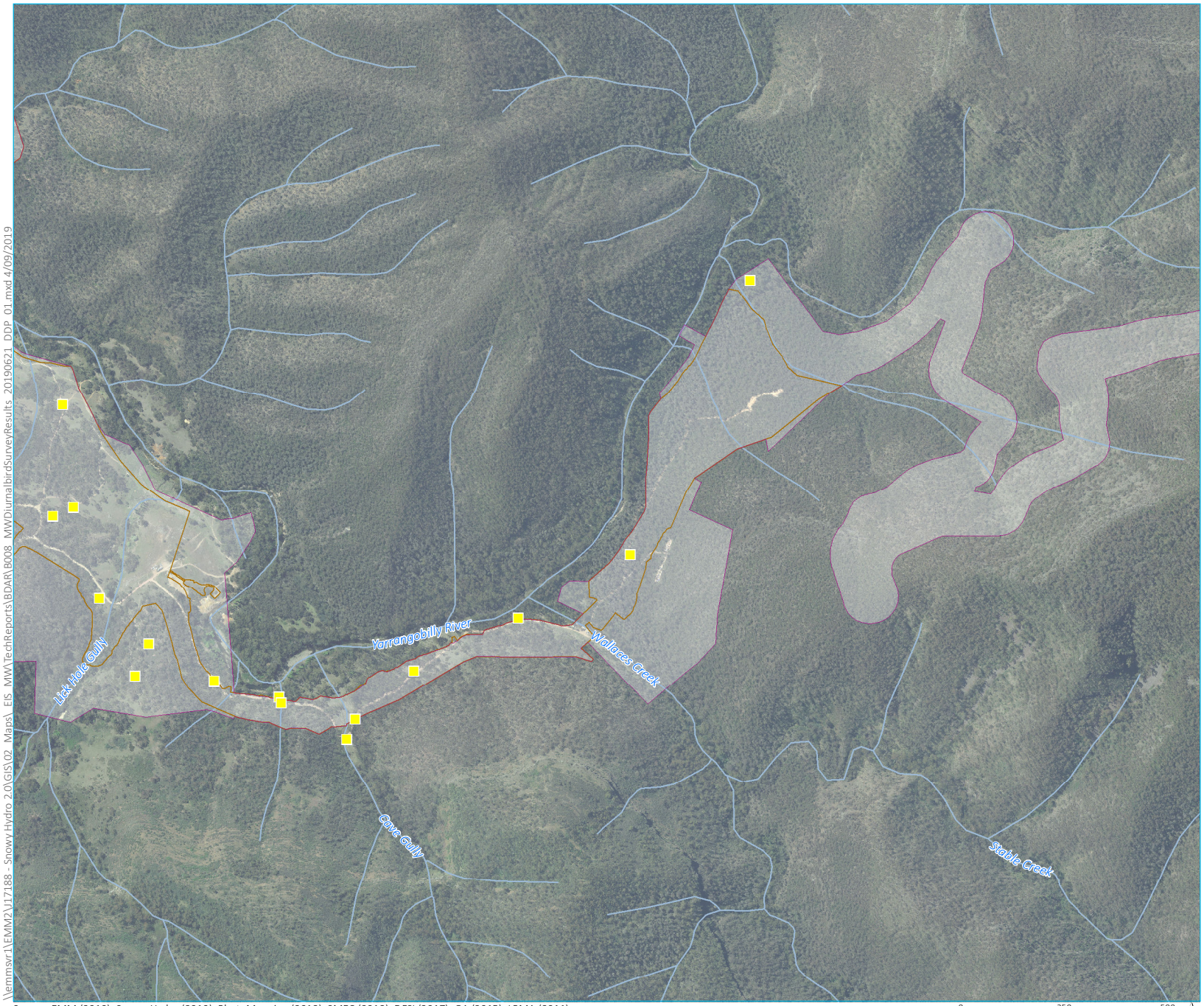
Diurnal bird survey results

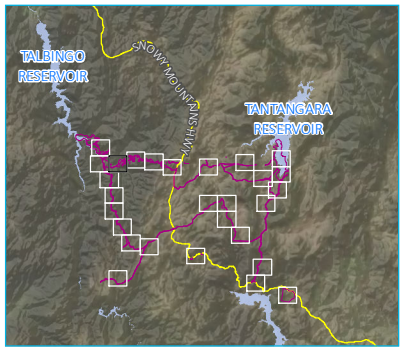
Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.2

snowy 2.0

EMM creating opportunities

\\emmsvr1\EMM2\J17188 - Snowy Hydro 2.0\GIS\02_Maps_EIS_MW\TechReports\BDAR\B008_MWDiurnalbirdSurveyResults_20190621_DDP_01.mxd 4/09/2019





KEY

- Main Works disturbance footprint
- Approved footprint
- Gang-gang Cockatoo (15)
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

\\emmsvr1\EMM2\J17188 - Snowy Hydro 2.0\GIS\02 Maps\ EIS MW\TechReports\BDAR\B008 MWDiurnalbirdSurveyResults 20190621 DDP 01.mxd 4/09/2019

Diurnal bird survey results

Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.3

snowy 2.0

EMM creating opportunities



KEY

- Gang-gang Cockatoo species polygon
- Gang-gang Cockatoo species habitat
- Main Works disturbance footprint
- Approved footprint
- Gang-gang Cockatoo breeding hollow (1)
- Gang-gang Cockatoo (16)
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

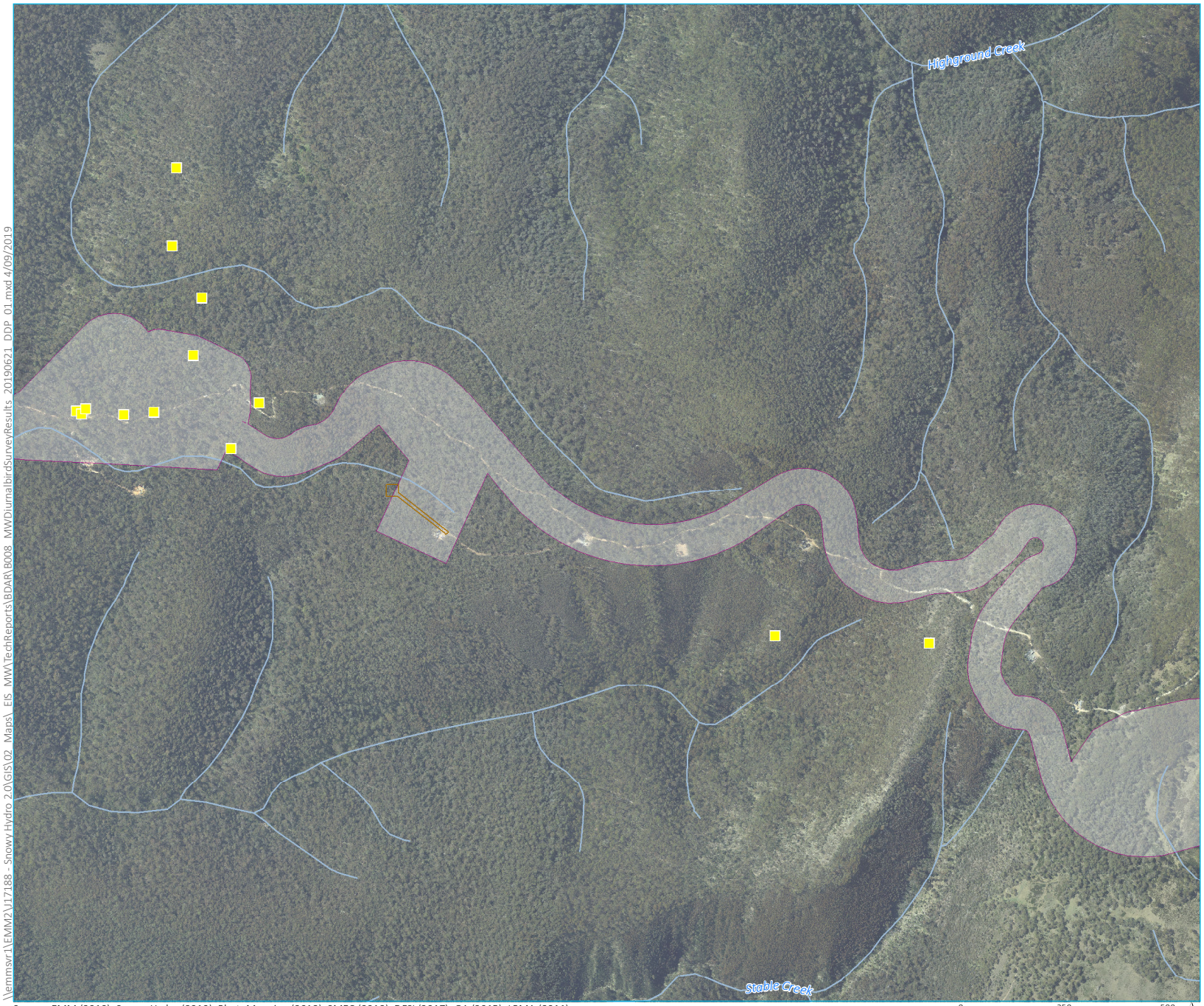
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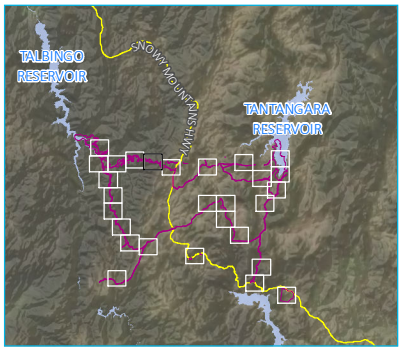
Diurnal bird survey results

Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.4

snowy 2.0

EMM creating opportunities





KEY

- Main Works disturbance footprint
- Approved footprint
- Gang-gang Cockatoo (13)
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

Diurnal bird survey results

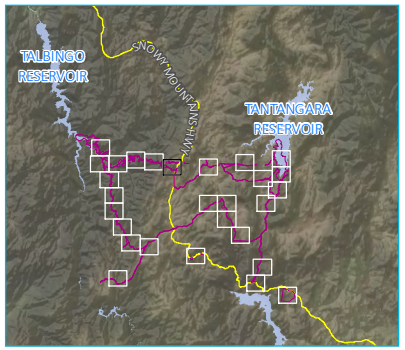
Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.5

snowy 2.0

EMM creating opportunities

\\emmsvr1\EMM2\J17188 - Snowy Hydro 2.0\GIS\02 Maps\ EIS MW\TechReports\BDAR\B008 MWDiurnalbirdSurveyResults 20190621 DDP 01.mxd 4/09/2019





KEY

- Main Works disturbance footprint
- Gang-gang Cockatoo (6)
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

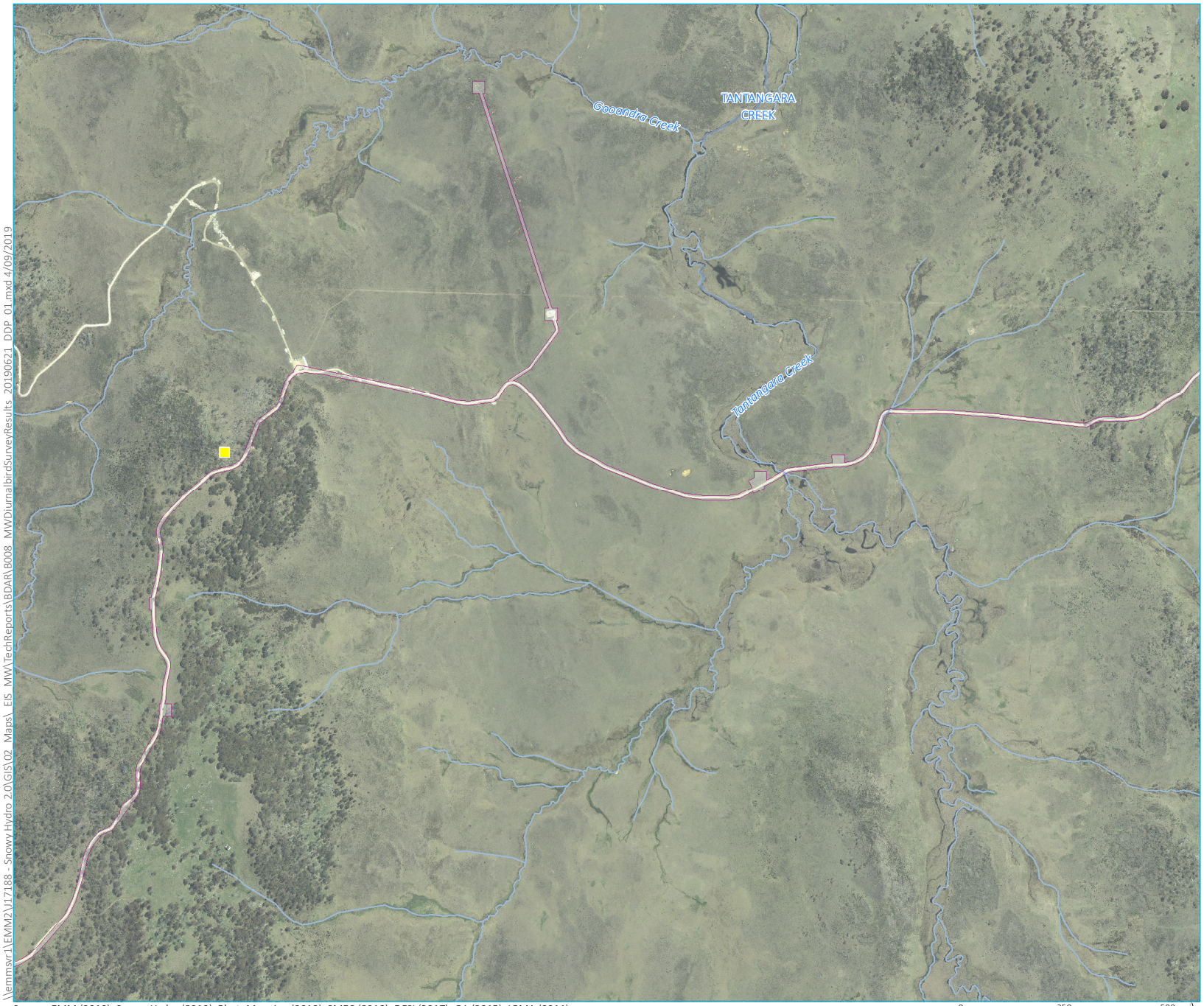
Diurnal bird survey results

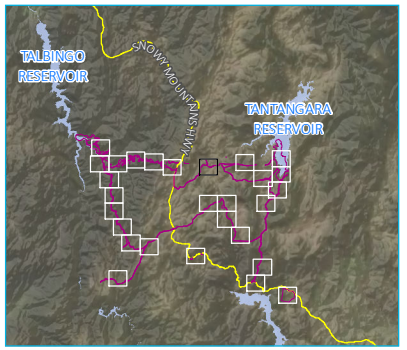
Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.6

snowy 2.0

EMM creating opportunities

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KEY

- Main Works disturbance footprint
- Gang-gang Cockatoo (1)
- Waterbody
- Watercourse / drainage line

\\emmsvr1\EMM2\J17188 - Snowy Hydro 2.0\GIS\02 Maps\ EIS MW\TechReports\BDAR\B008 MWDiurnalbirdSurveyResults 20190621 DDP 01.mxd 4/09/2019

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

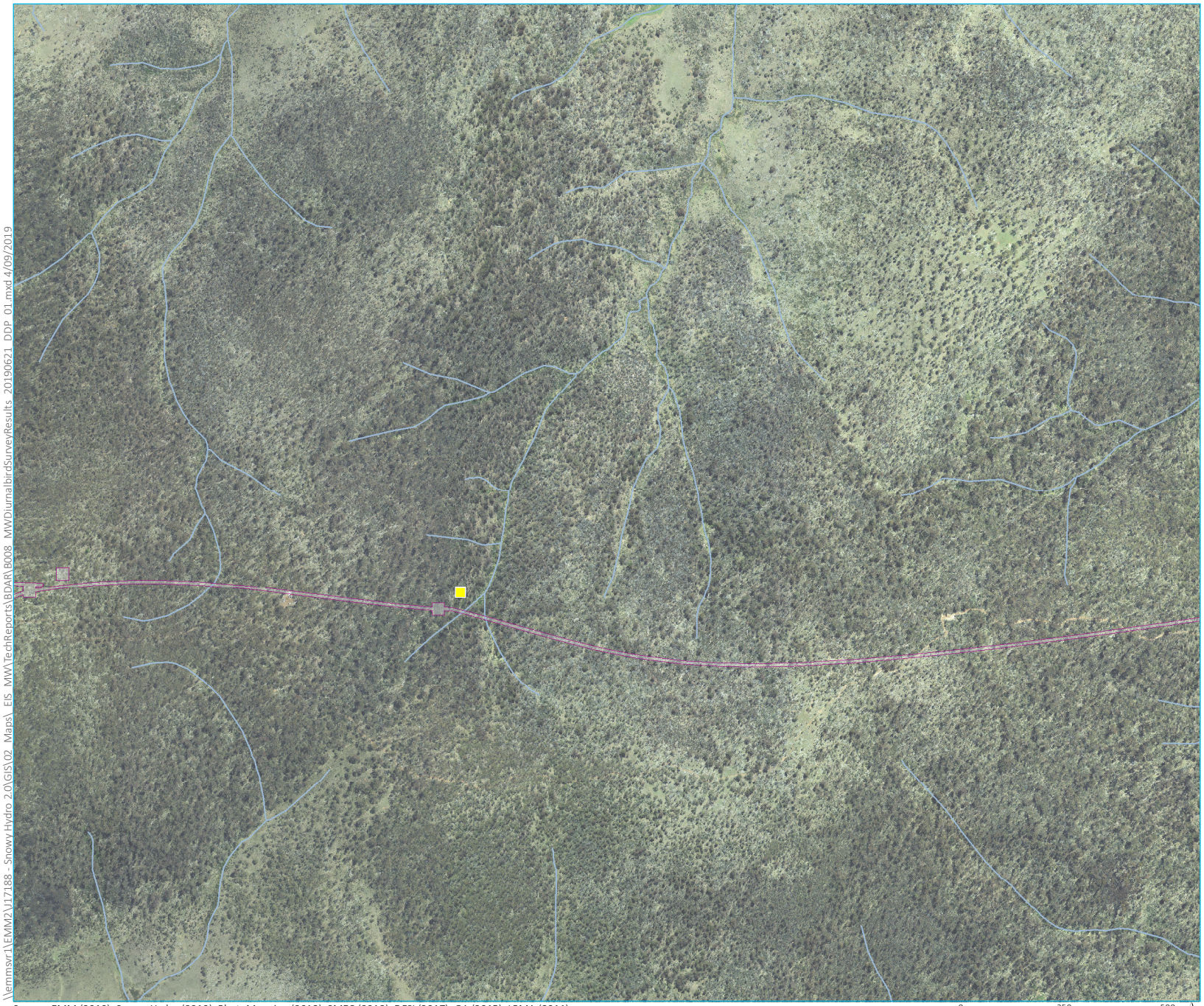
N

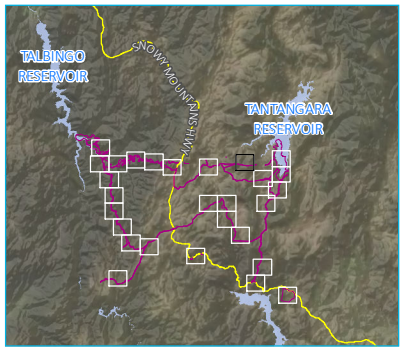
Diurnal bird survey results

Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.7

snowy 2.0

EMM creating opportunities





KEY

- Main Works disturbance footprint
- Gang-gang Cockatoo (1)
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

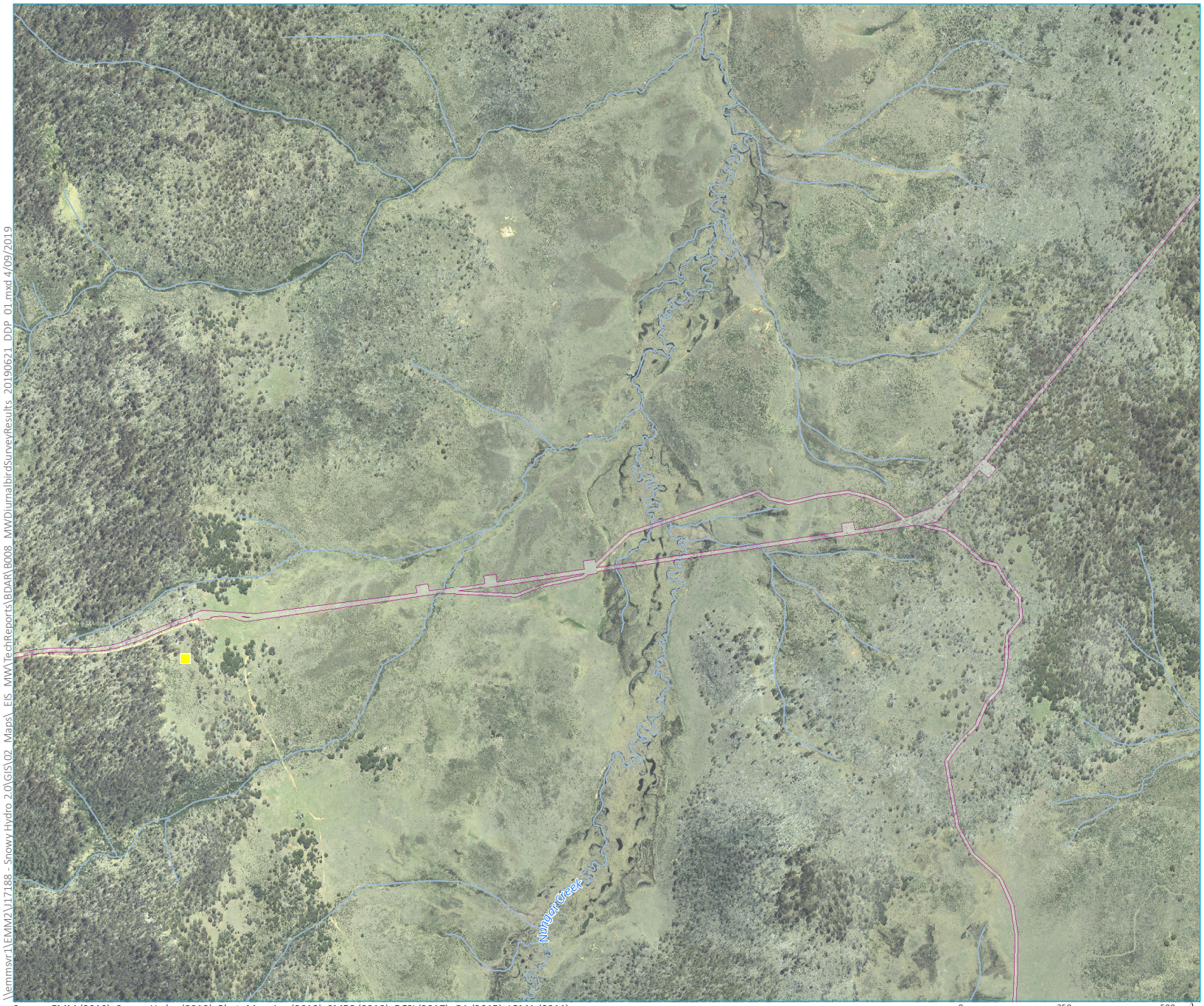
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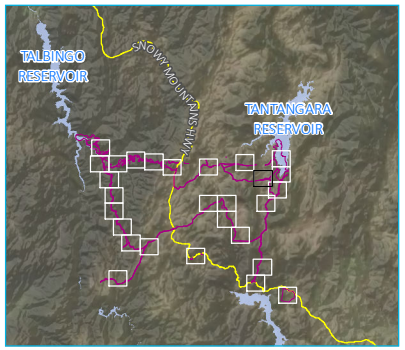
Diurnal bird survey results

Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.8

snowy 2.0

EMM creating opportunities





KEY

- Main Works disturbance footprint
- Gang-gang Cockatoo (1)
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

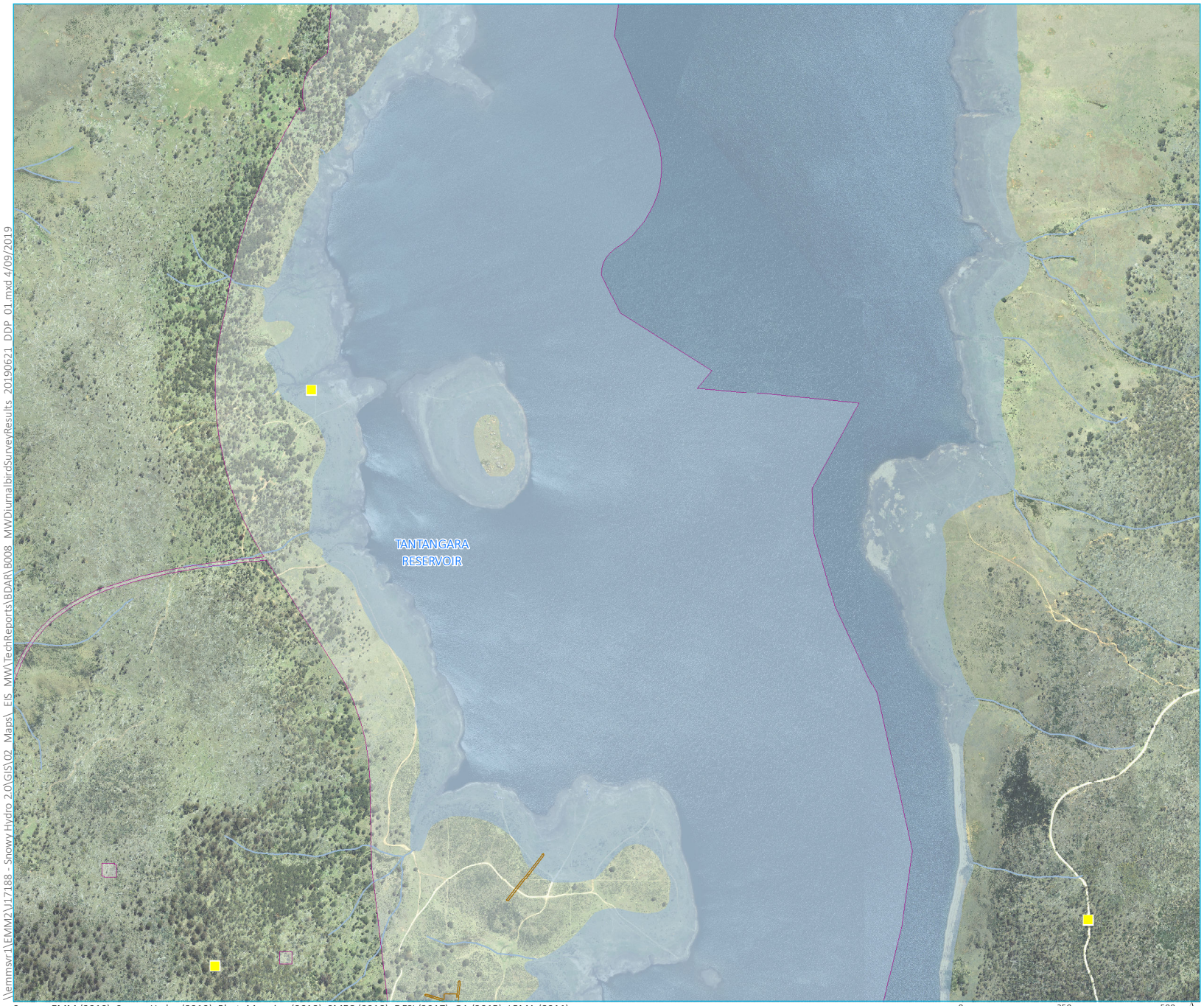
Diurnal bird survey results

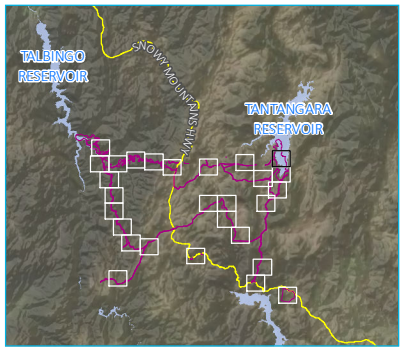
Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.9

snowy 2.0

EMM creating opportunities

\\emmsvr1\EMM2\J17188 - Snowy Hydro 2.0\GIS\02_Maps_EIS_MW\TechReports\BDAR\B008_MWDiurnalbirdSurveyResults_20190621_DDP_01.mxd 4/09/2019





KEY

- Main Works disturbance footprint
- Approved footprint
- Gang-gang Cockatoo (3)
- Waterbody
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

Diurnal bird survey results

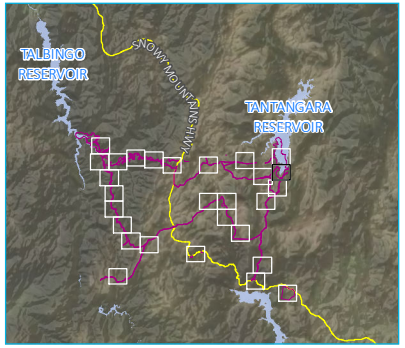
Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.10

snowy 2.0

EMM creating opportunities

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KEY

- Main Works disturbance footprint
- Approved footprint
- Gang-gang Cockatoo (11)
- Waterbody
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

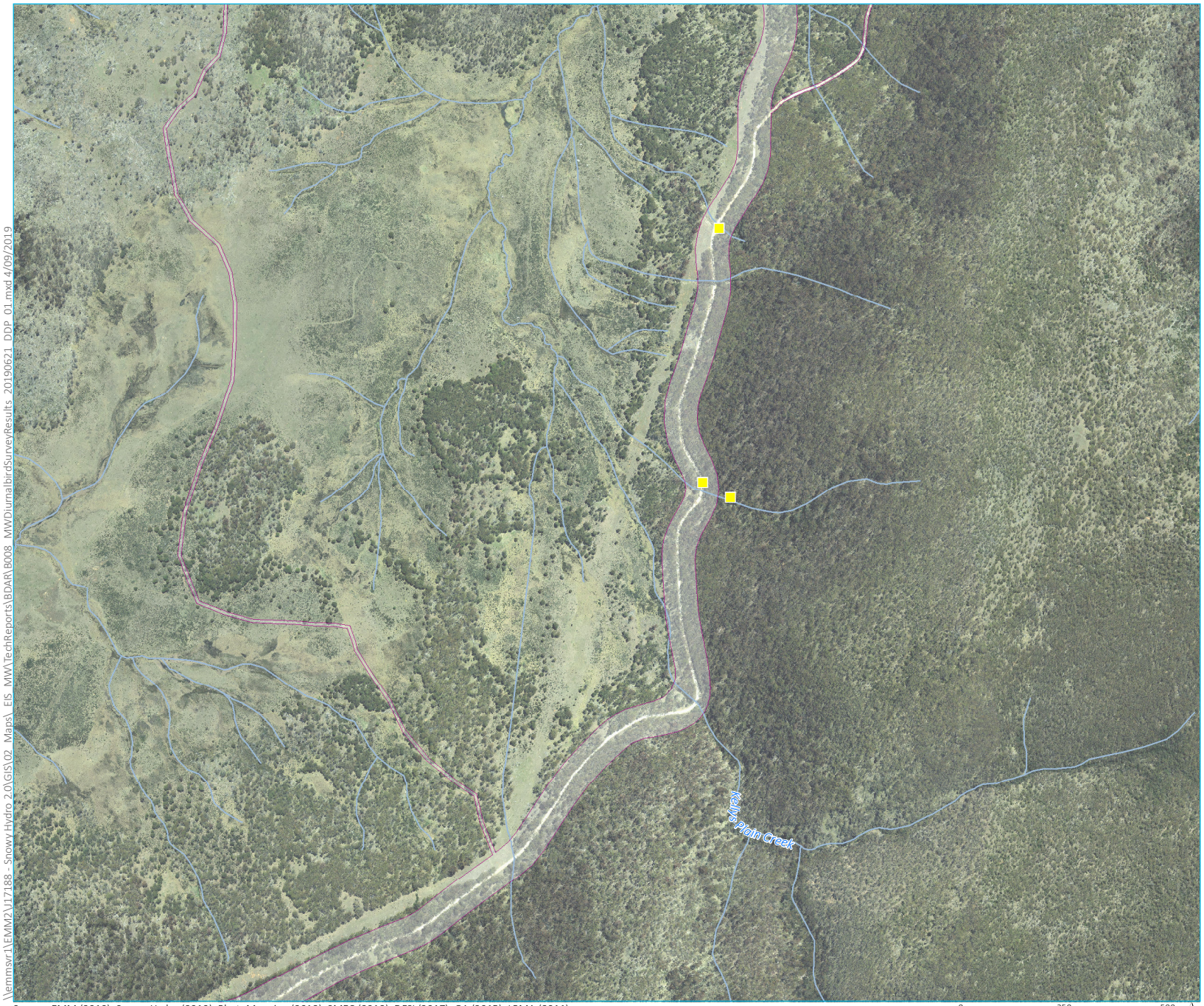
Diurnal bird survey results

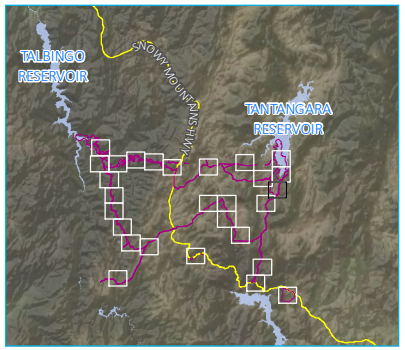
Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.11

snowy 2.0

EMM creating opportunities

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KEY

- Main Works disturbance footprint
- Gang-gang Cockatoo (3)
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

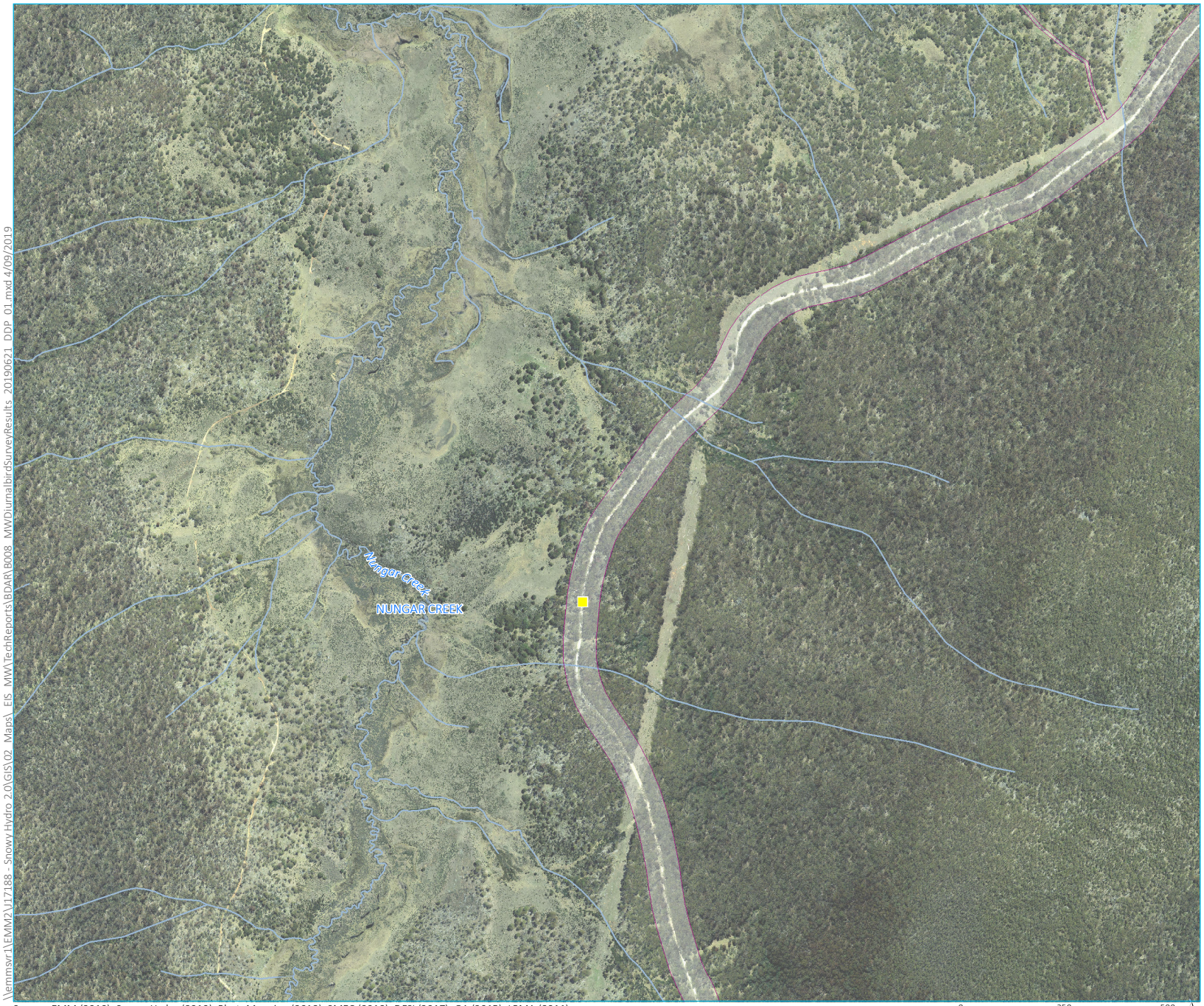
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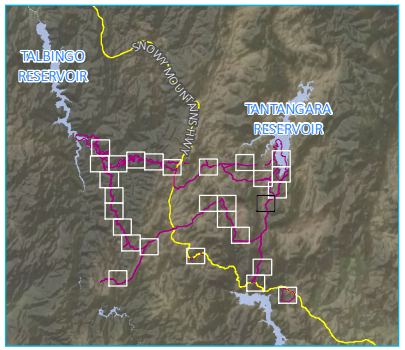
Diurnal bird survey results

Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.12

snowy 2.0

EMM creating opportunities





KEY

- Main Works disturbance footprint
- Gang-gang Cockatoo (1)
- Waterbody
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

\\emmsvr1\EMM2\J17188 - Snowy Hydro 2.0\GIS\02 Maps\ EIS MW\TechReports\BDAR\B008 MWDiurnalbirdSurveyResults 20190621 DDP 01.mxd 4/09/2019

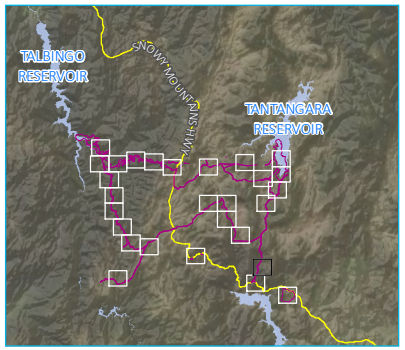
Diurnal bird survey results

Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.13

snowy 2.0

EMM creating opportunities





KEY

- Main Works disturbance footprint
- Gang-gang Cockatoo (2)
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

\\emmsvr1\EMM2\J17188 - Snowy Hydro 2.0\GIS\02 Maps\ EIS MW\TechReports\BDAR\B008 MWDiurnalbirdSurveyResults 20190621 DDP 01.mxd 4/09/2019

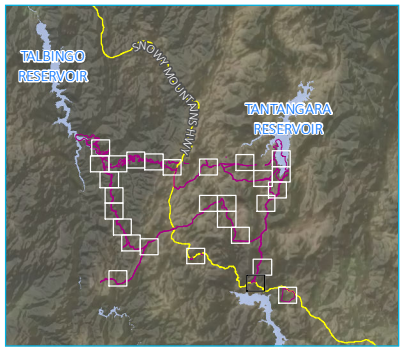
Diurnal bird survey results

Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.14

snowy 2.0

EMM creating opportunities





KEY

- Main Works disturbance footprint
- Gang-gang Cockatoo (4)
- Waterbody
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

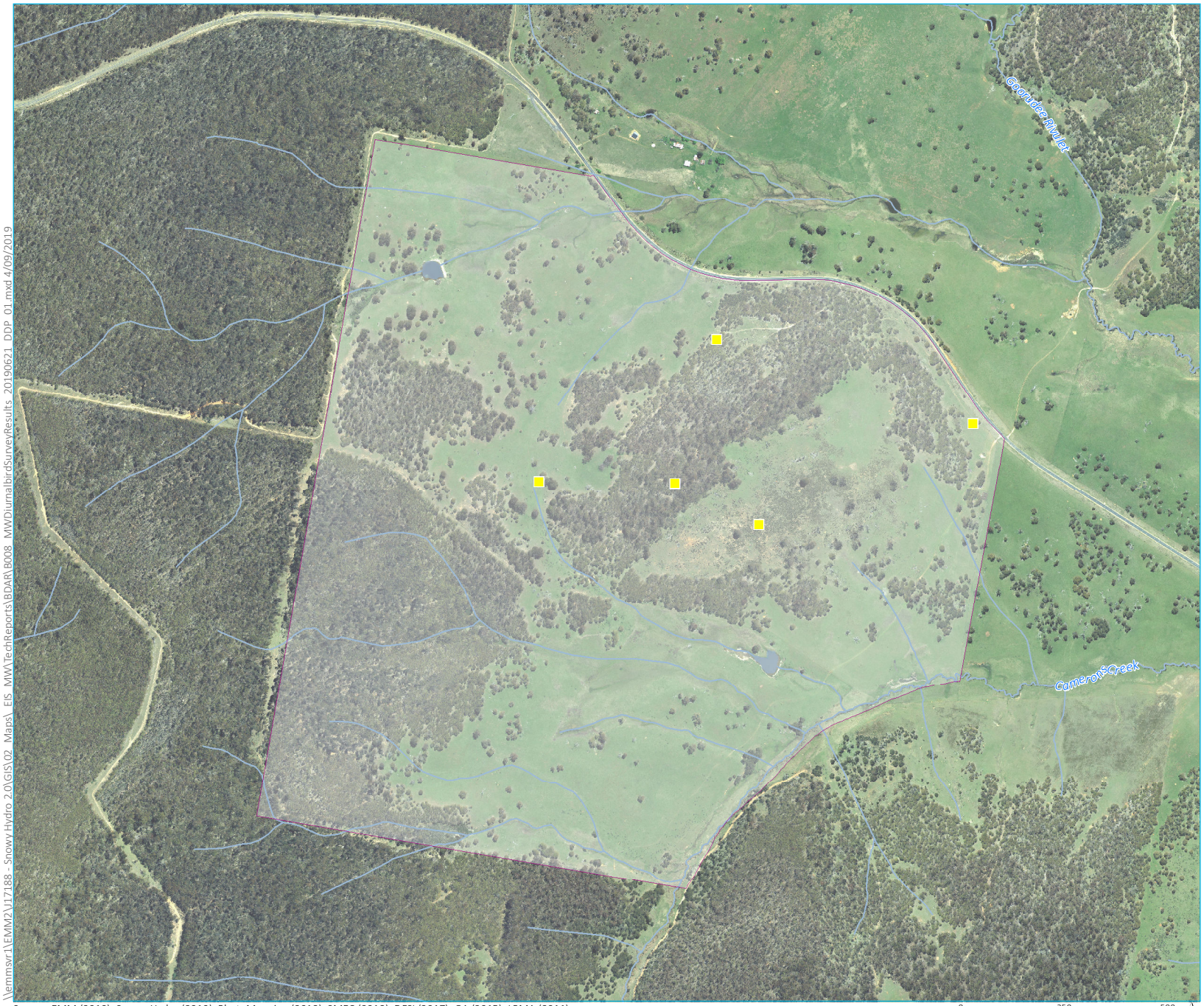
Diurnal bird survey results

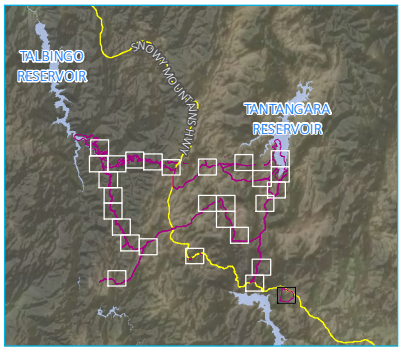
Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.15

snowy 2.0

EMM creating opportunities

\\emmsvr1\EMM2\J17188 - Snowy Hydro 2.0\GIS\02_Maps_EIS_MW\TechReports\BDAR\B008_MWDiurnalbirdSurveyResults_20190621_DDP_01.mxd 4/09/2019





KEY

- Main Works disturbance footprint
- Gang-gang Cockatoo (5)
- Waterbody
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

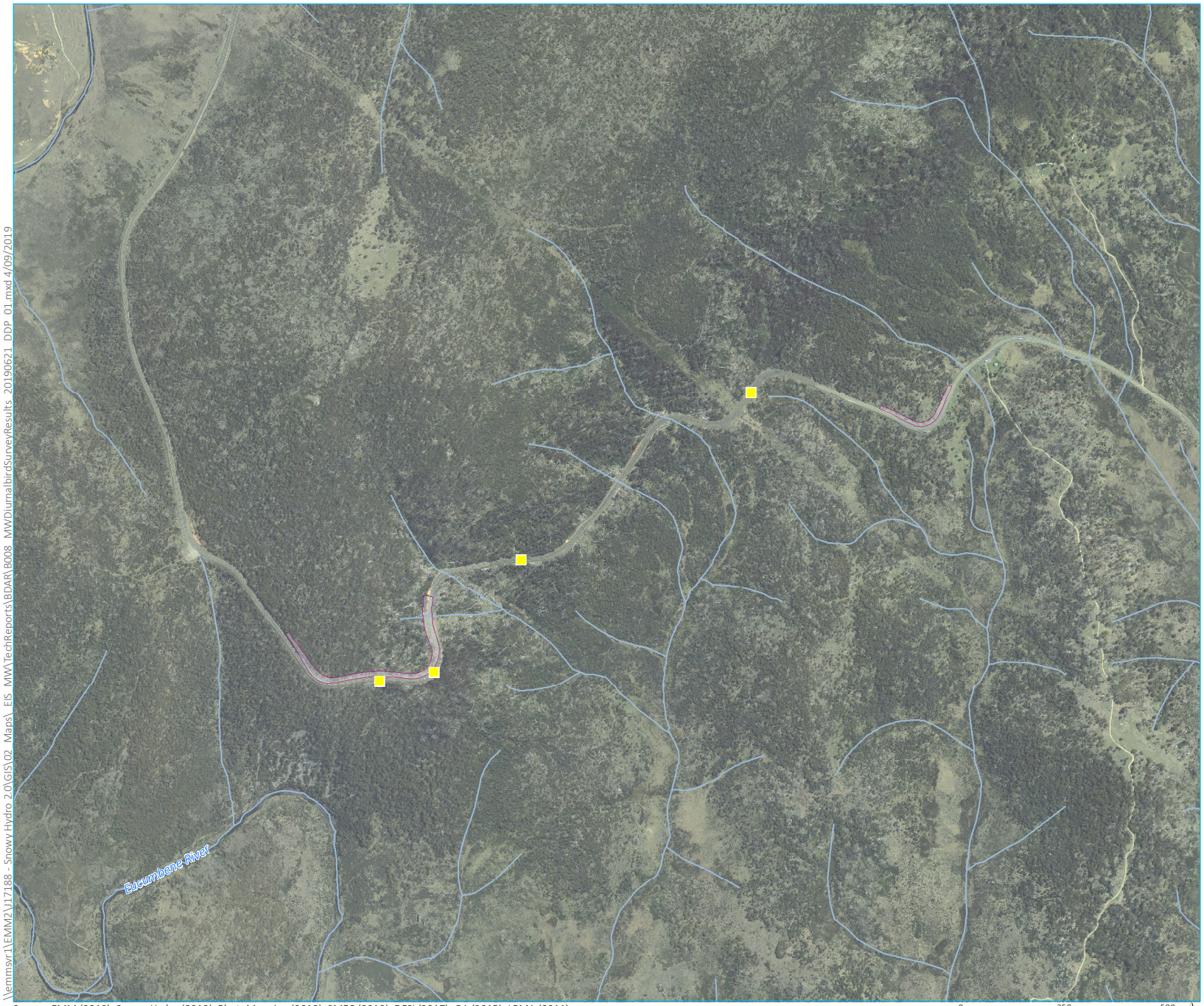
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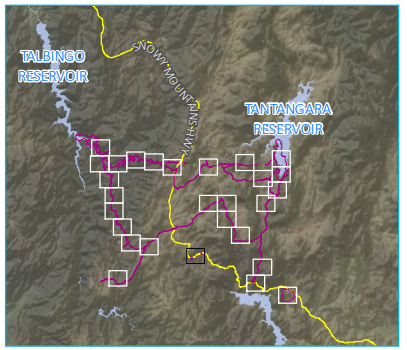
Diurnal bird survey results

Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.16

snowy 2.0

EMM creating opportunities





KEY

- Main Works disturbance footprint
- Gang-gang Cockatoo (4)
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

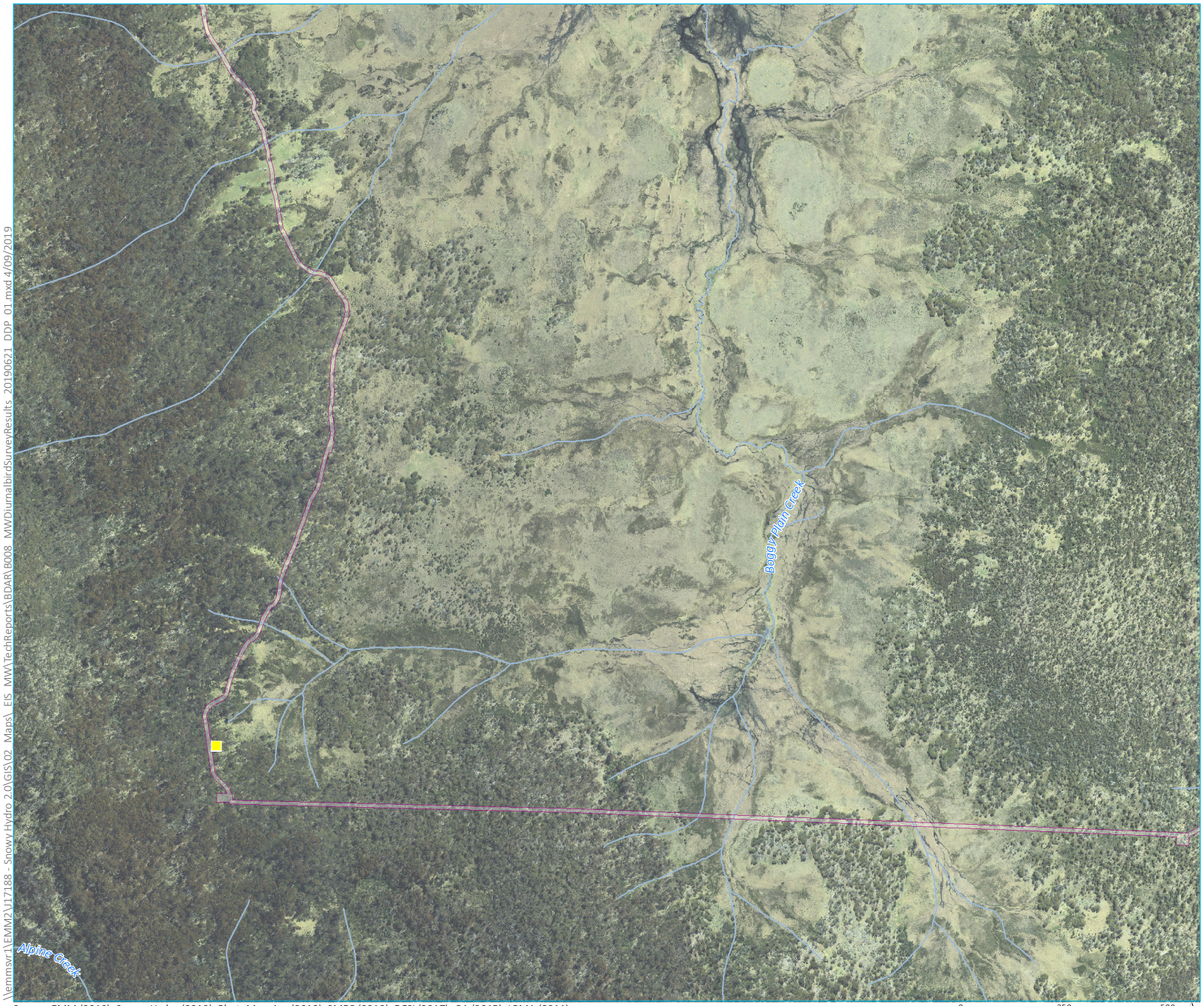
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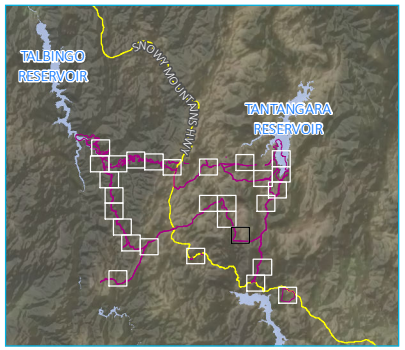
Diurnal bird survey results

Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.17

snowy 2.0

EMM creating opportunities





KEY

- Main Works disturbance footprint
- Gang-gang Cockatoo (1)
- Waterbody
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

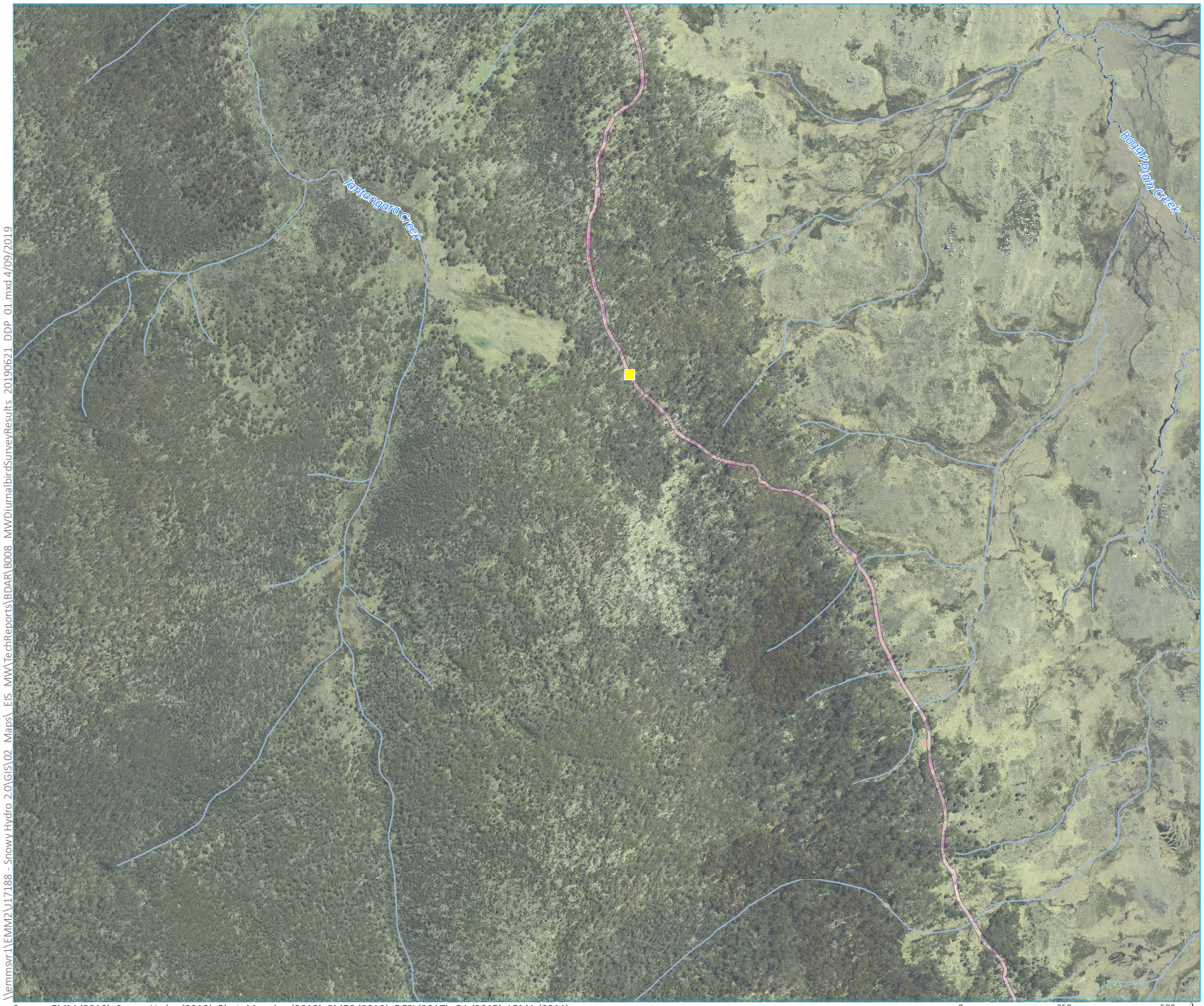
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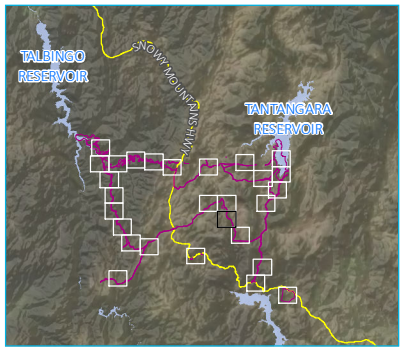
Diurnal bird survey results

Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.18

snowy 2.0

EMM creating opportunities





KEY

- Main Works disturbance footprint
- Gang-gang Cockatoo (1)
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

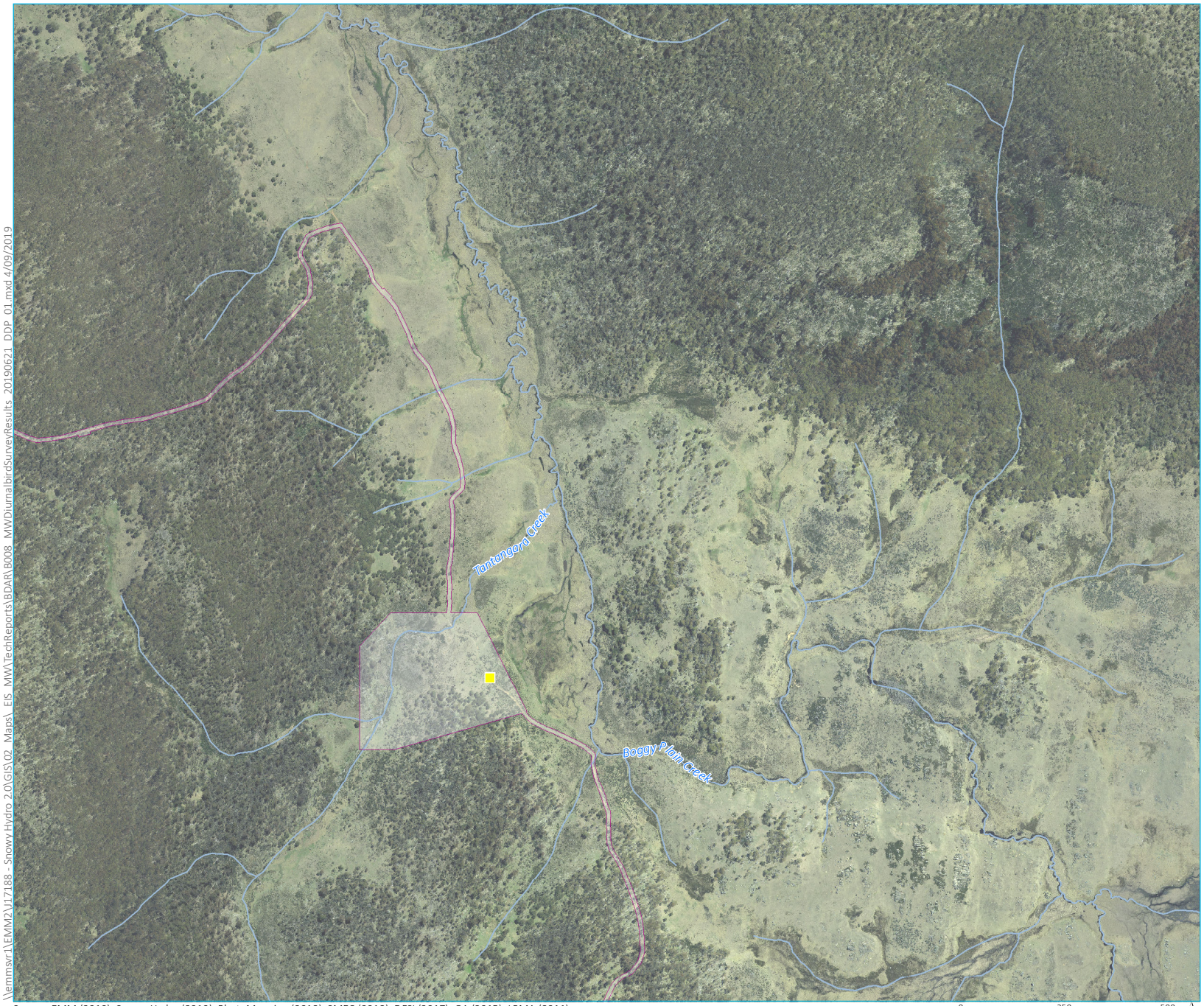
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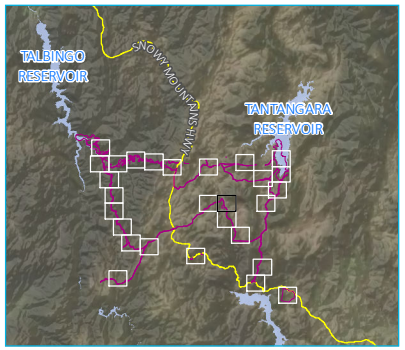
Diurnal bird survey results

Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.19

snowy 2.0

EMM creating opportunities





KEY

- Main Works disturbance footprint
- Gang-gang Cockatoo (1)
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

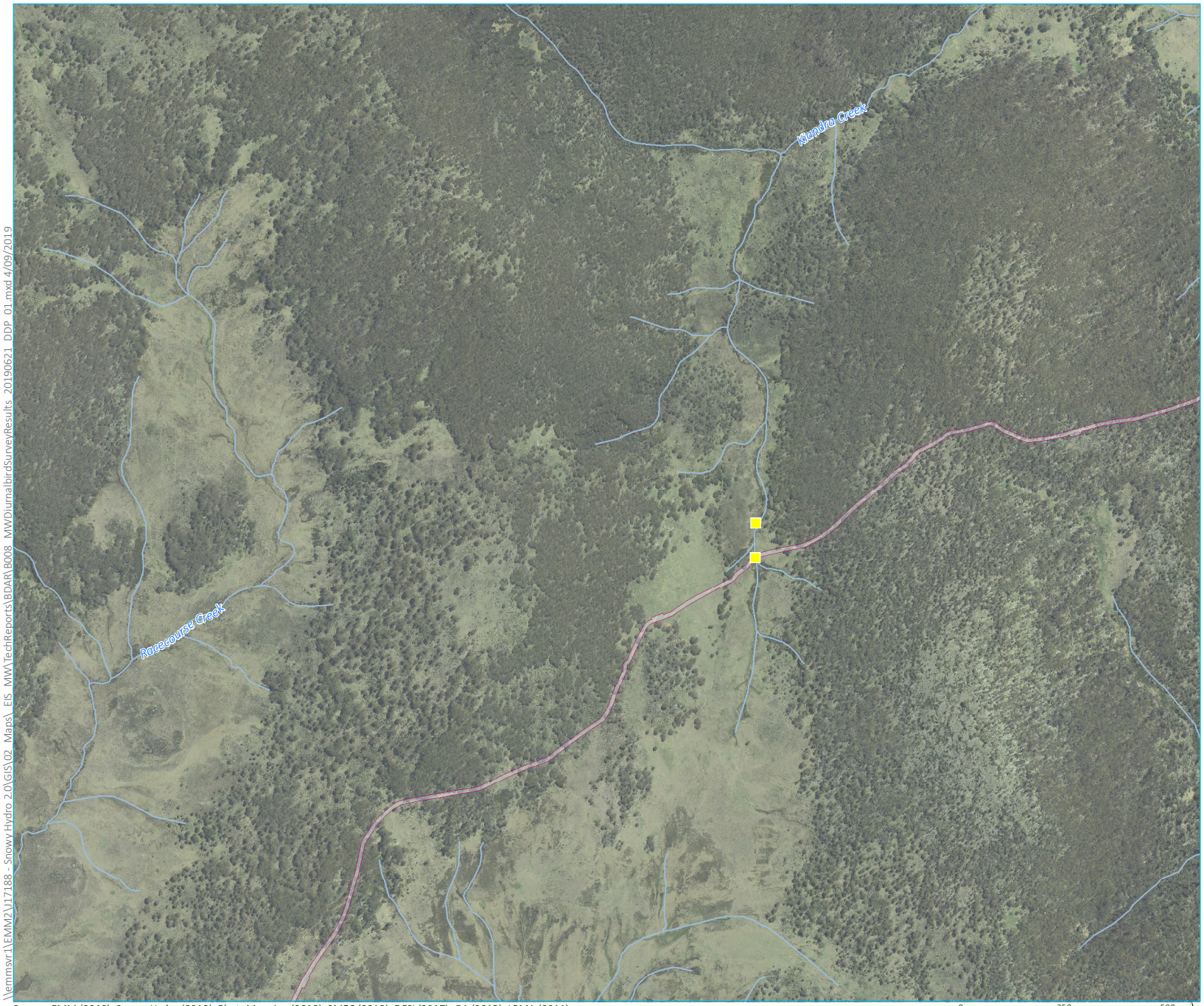
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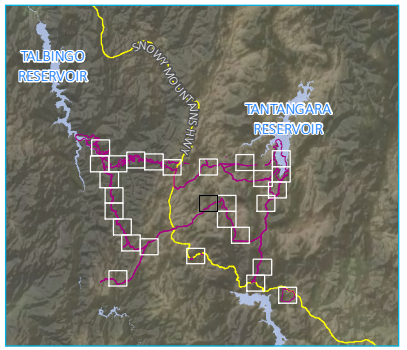
Diurnal bird survey results

Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.20

snowy 2.0

EMM creating opportunities





KEY

- Main Works disturbance footprint
- Gang-gang Cockatoo (2)
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

\\emmsvr1\EMM2\J17188 - Snowy Hydro 2.0\GIS\02 Maps\ EIS MW\TechReports\BDAR\B008 MWDiurnalbirdSurveyResults 20190621 DDP 01.mxd 4/09/2019

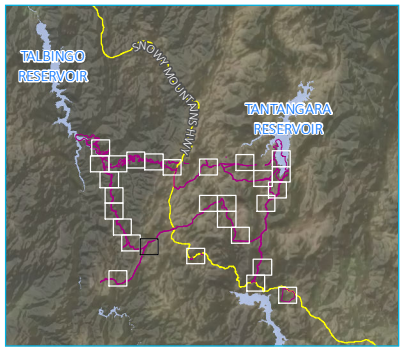
Diurnal bird survey results

Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.21

snowy 2.0

EMM creating opportunities





KEY

- Main Works disturbance footprint
- Gang-gang Cockatoo (6)
- Waterbody
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

\\emmsvr1\EMM2\J17188 - Snowy Hydro 2.0\GIS\02 Maps\ EIS MW\TechReports\BDAR\B008 MWDiurnalbirdSurveyResults 20190621 DDP 01.mxd 4/09/2019

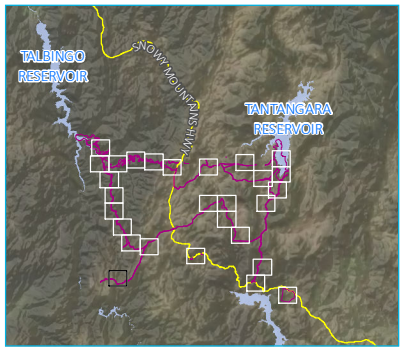
Diurnal bird survey results

Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.22

snowy 2.0

EMM
creating opportunities





KEY

- Main Works disturbance footprint
- Gang-gang Cockatoo (3)
- Waterbody
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

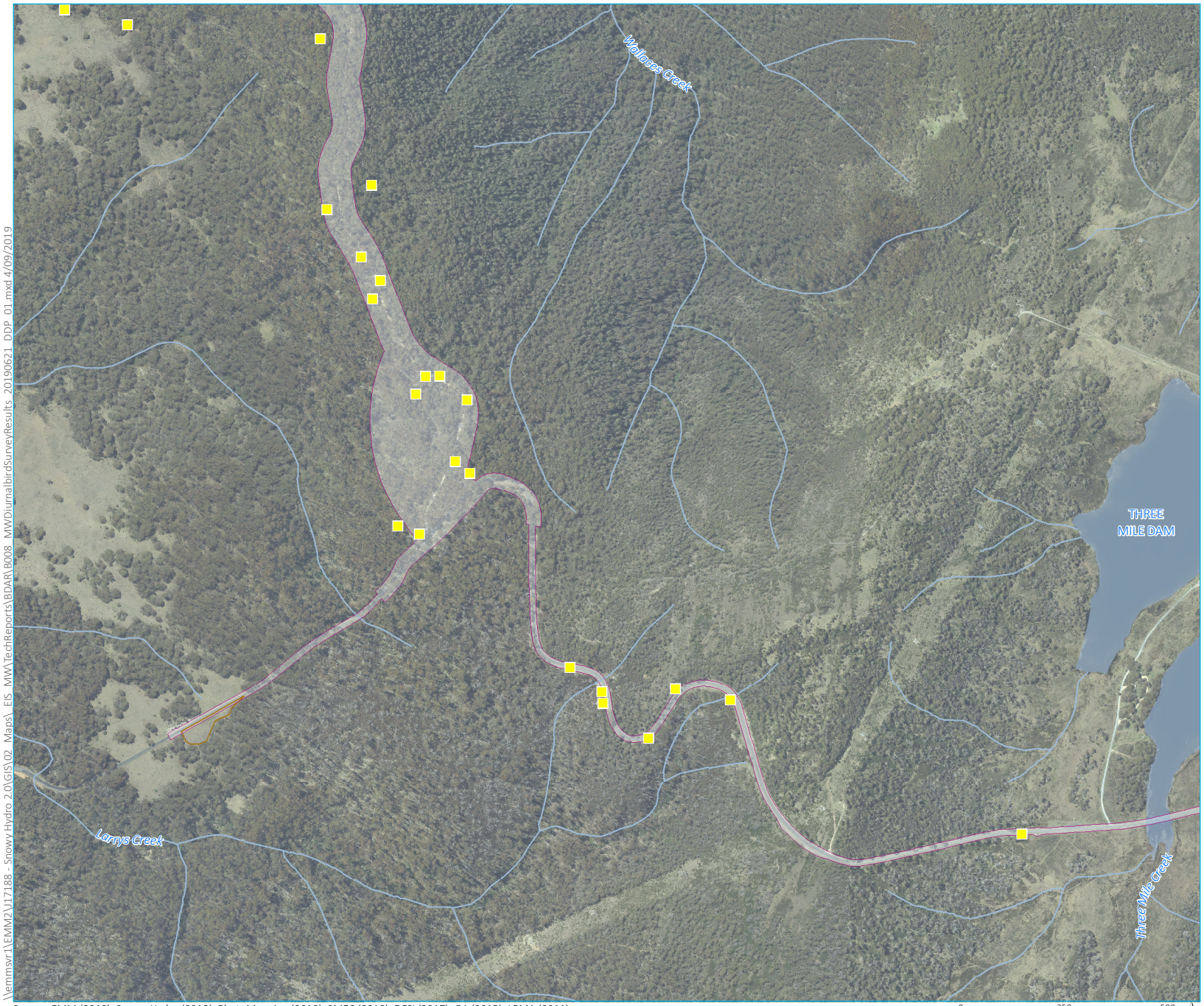
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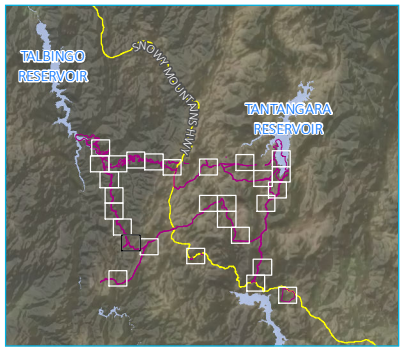
Diurnal bird survey results

Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.23

snowy 2.0

EMM creating opportunities





KEY

- Main Works disturbance footprint
- Approved footprint
- Gang-gang Cockatoo (23)
- Waterbody
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

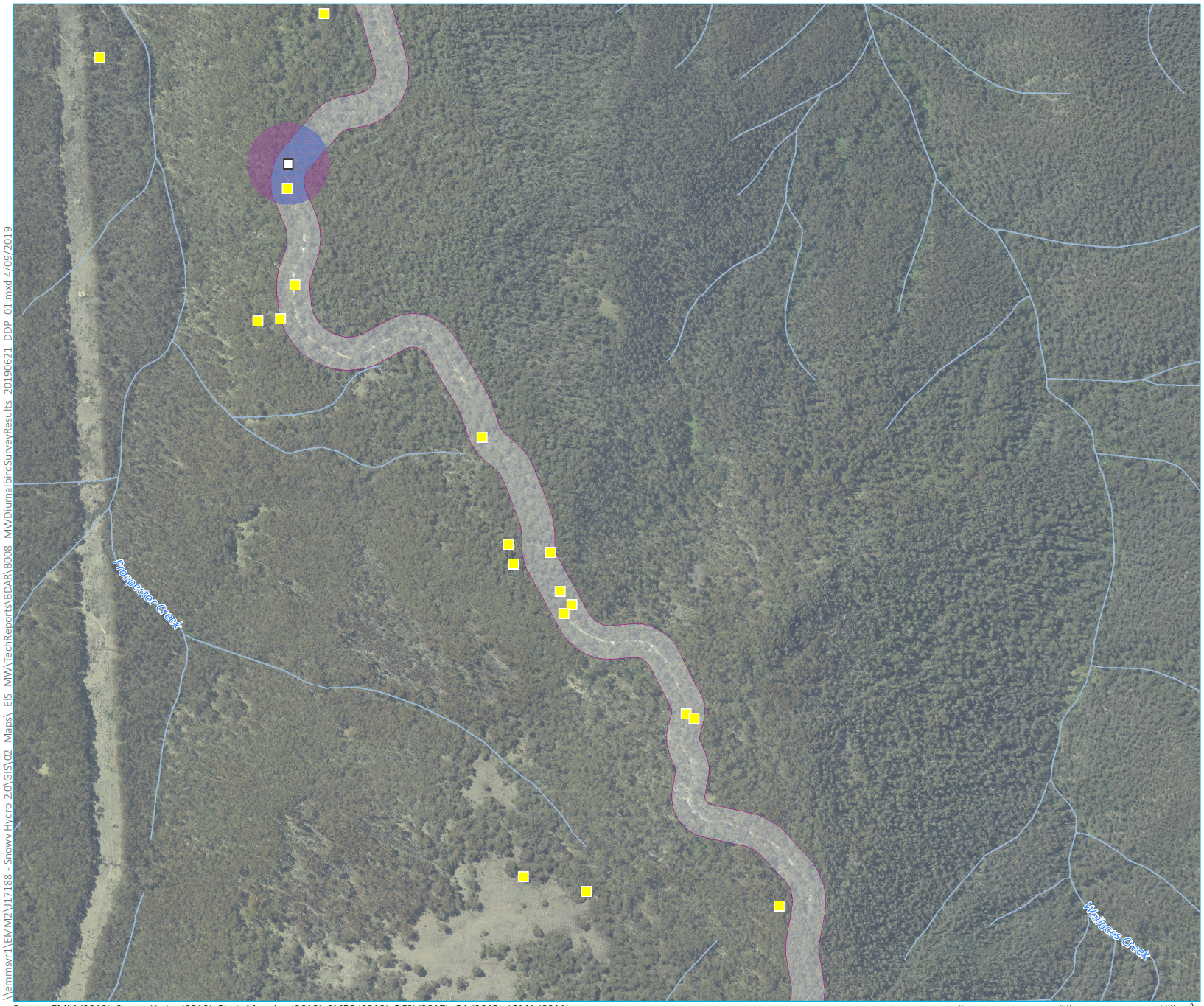
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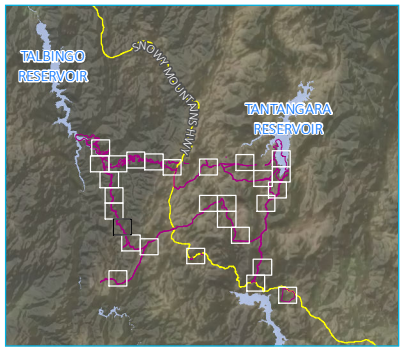
Diurnal bird survey results

Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.24

snowy 2.0

EMM creating opportunities





KEY

- Gang-gang Cockatoo species polygon
- Gang-gang Cockatoo species habitat
- Main Works disturbance footprint
- Gang-gang Cockatoo breeding hollow (1)
- Gang-gang Cockatoo (19)
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

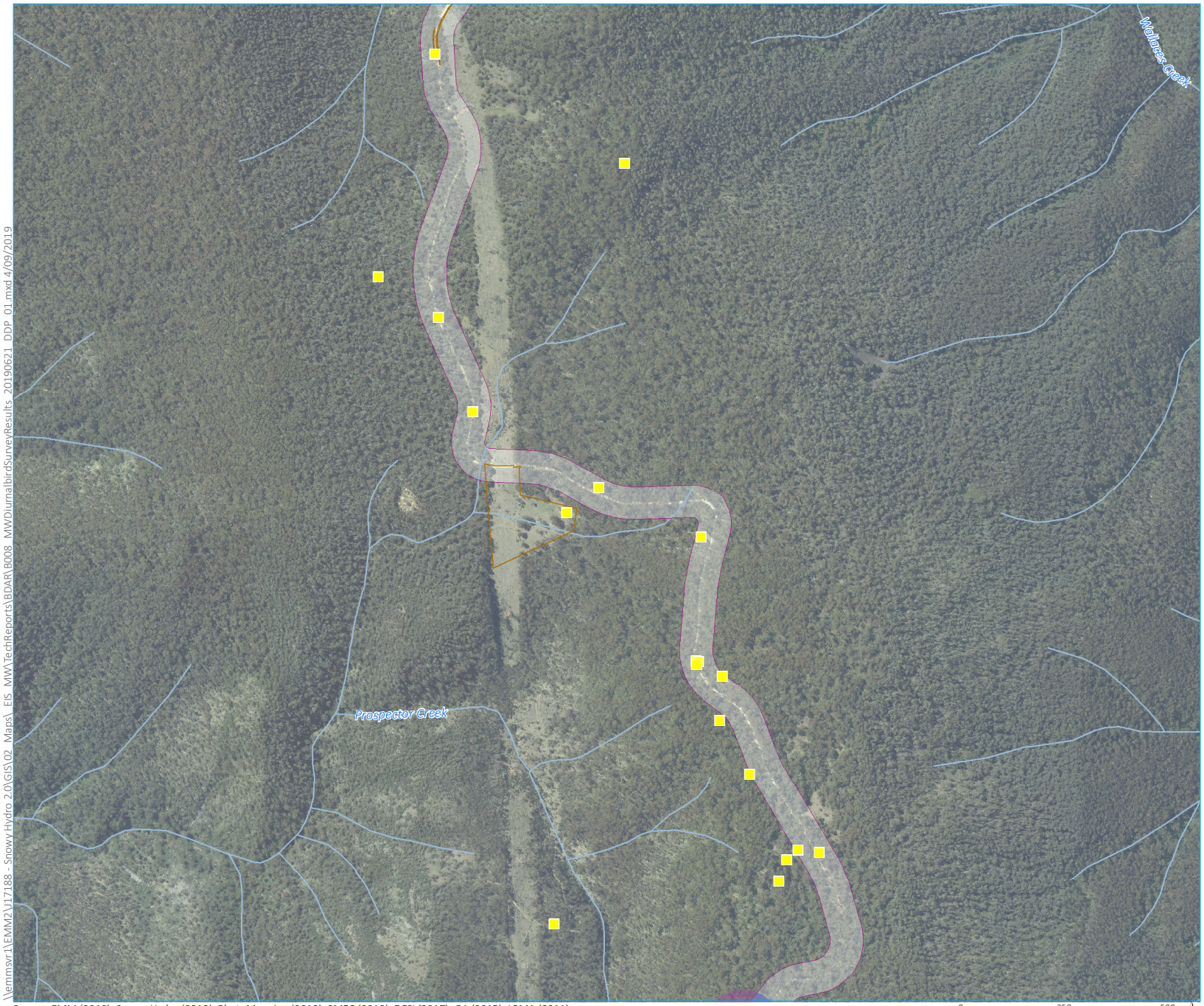
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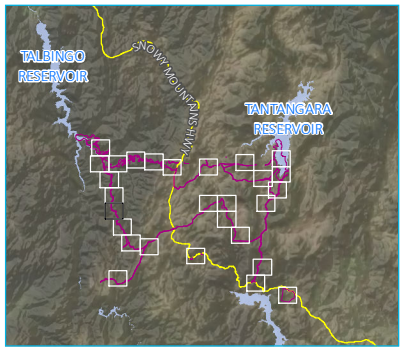
Diurnal bird survey results

Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.25

snowy 2.0

EMM creating opportunities





KEY

- Gang-gang Cockatoo species polygon
- Gang-gang Cockatoo species habitat
- Main Works disturbance footprint
- Approved footprint
- Gang-gang Cockatoo (19)
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

\\emmsvr1\EMM2\J17188 - Snowy Hydro 2.0\GIS\02_Maps_EIS_MW\TechReports\BDAR\B008_MWDiurnalbirdSurveyResults_20190621_DDP_01.mxd 4/09/2019

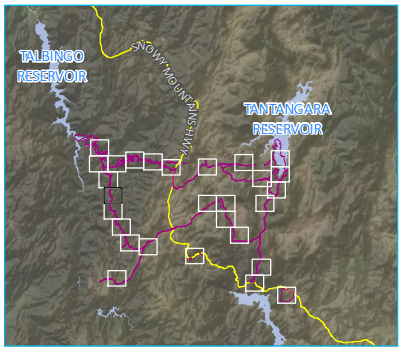
Diurnal bird survey results

Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.26

snowy 2.0

EMM creating opportunities





KEY

- Main Works disturbance footprint
- Approved footprint
- Gang-gang Cockatoo (8)
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

\\emmsvr1\EMM2\J17188 - Snowy Hydro 2.0\GIS\02_Maps_EIS_MW\TechReports\BDAR\B008_MWDiurnalbirdSurveyResults_20190621_DDP_01.mxd 4/09/2019

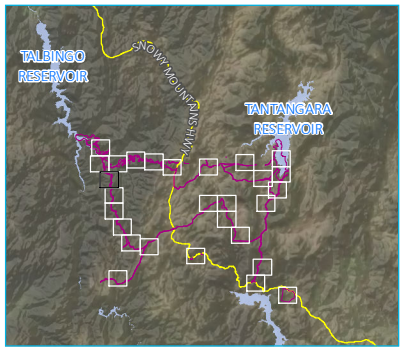
Diurnal bird survey results

Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.27

snowy 2.0

EMM creating opportunities





KEY

- Main Works disturbance footprint
- Approved footprint
- Gang-gang Cockatoo (4)
- Watercourse / drainage line

Source: EMM (2019); Snowy Hydro (2019); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

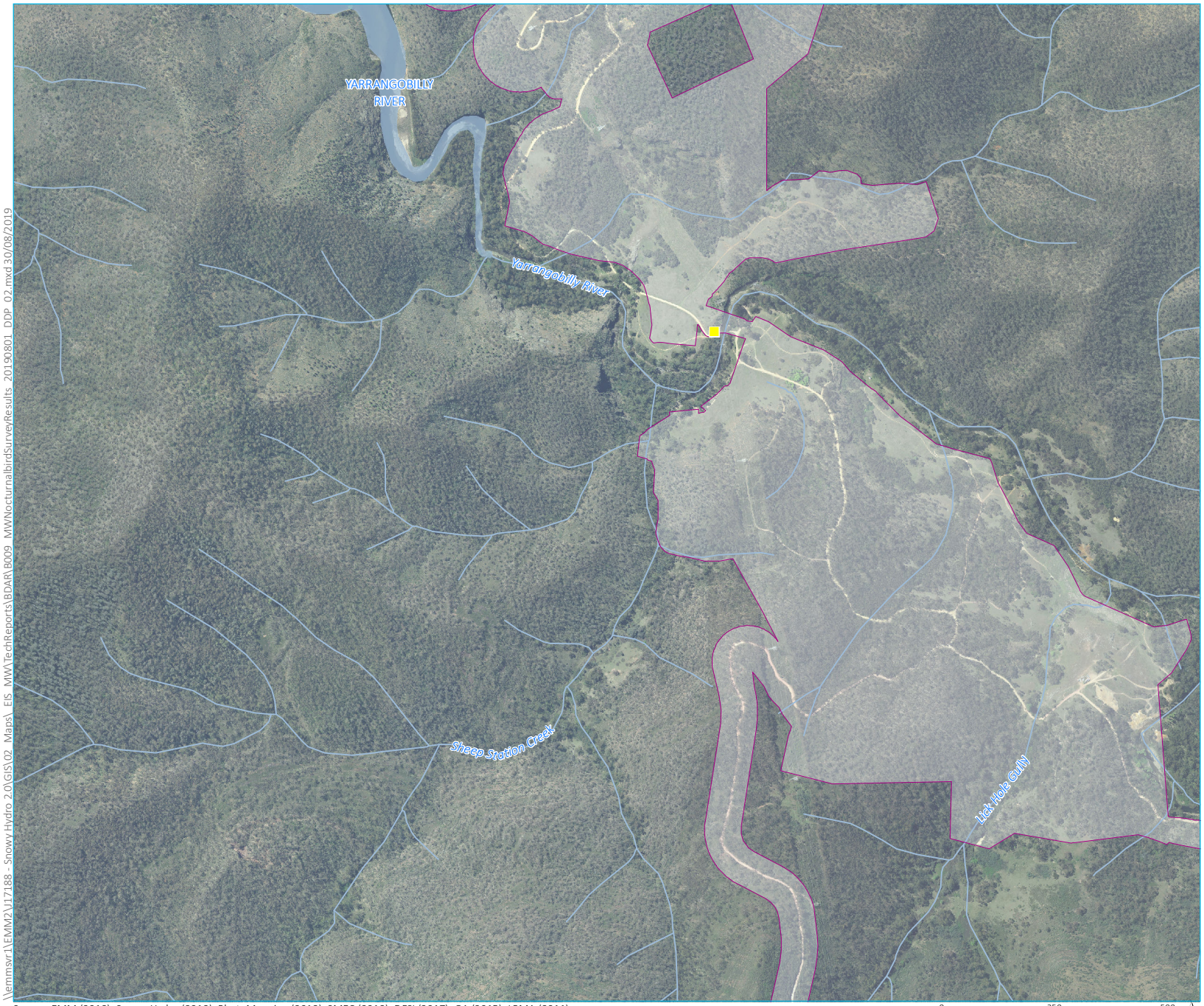
Diurnal bird survey results

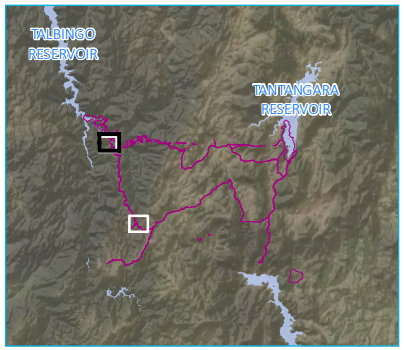
Snowy 2.0
Biodiversity Assessment Report
Main Works
Figure 6.5.28

snowy 2.0

EMM creating opportunities

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KEY

- Main Works disturbance footprint
- Waterbody
- Watercourse / drainage line

Threatened fauna

- Masked Owl (1)

Source: EMM (2018); Snowy Hydro (2018); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

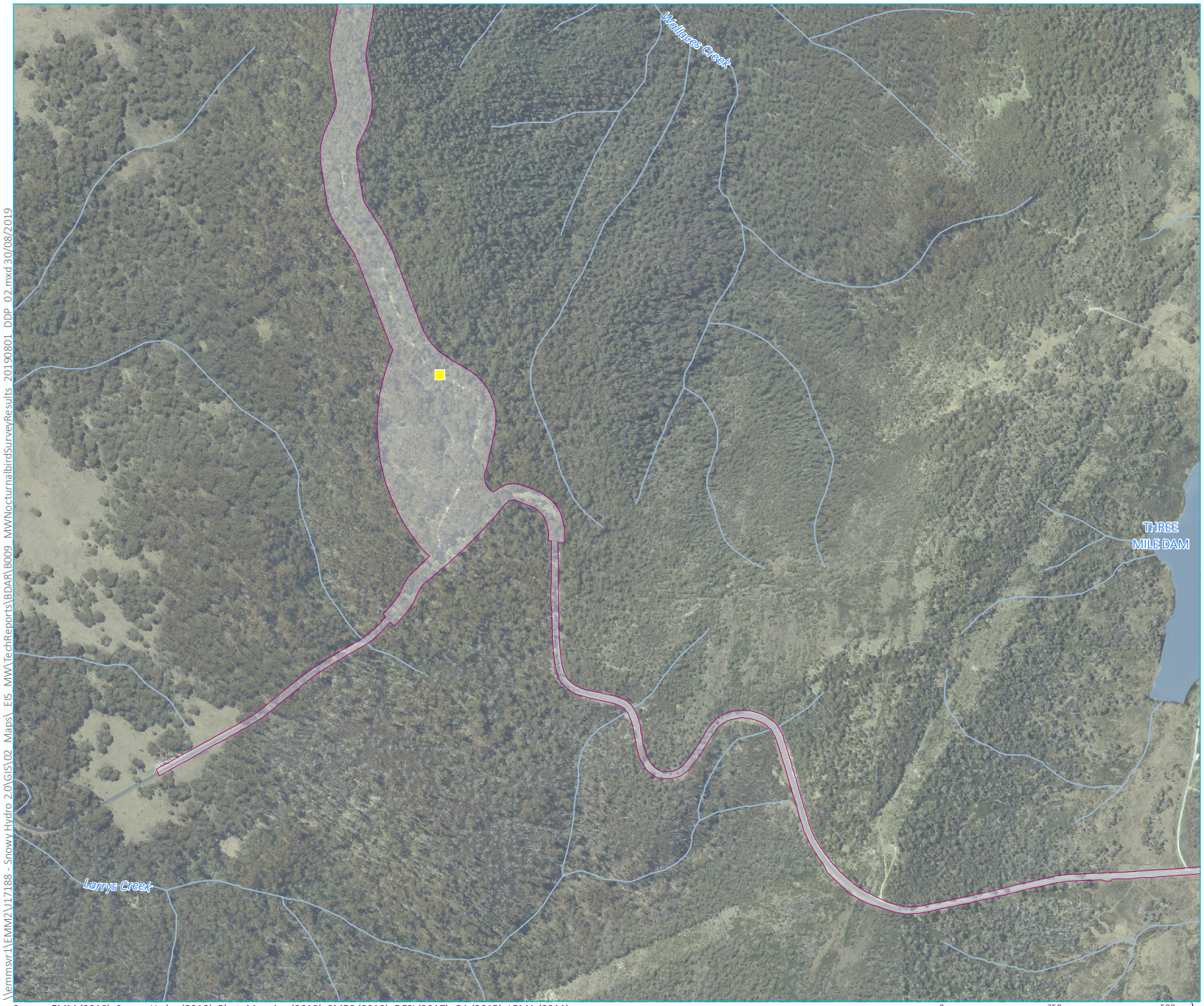
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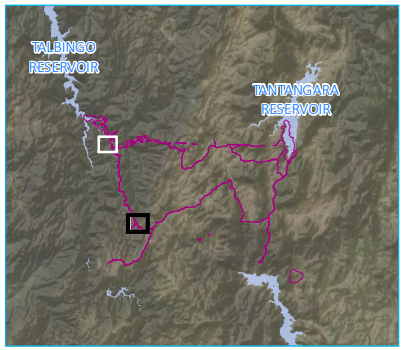
Nocturnal bird survey results

Snowy 2.0
Biodiversity Assessment Report
Main WOrks
Figure 6.6.1

snowy 2.0

EMM creating opportunities





KEY

- Main Works disturbance footprint
- Waterbody
- Watercourse / drainage line

Threatened fauna

- Masked Owl (1)

Source: EMM (2018); Snowy Hydro (2018); PhotoMapping (2018); SMEC (2018); DFSI (2017); GA (2015); LPMA (2011)

0 250 500 m

GDA 1994 MGA Zone 55

N

\\emmsvr1\EMM2\J17188 - Snowy Hydro 2.0\GIS\02 Maps\ EIS MW\TechReports\BDAR\B009 MWNocturnalbirdSurveyResults 20190801 DDP 02.mxd 30/08/2019

Nocturnal bird survey results

Snowy 2.0
Biodiversity Assessment Report
Main WOrks
Figure 6.6.2

snowy 2.0

EMM creating opportunities