


Attachment 1-1: Study area and native vegetation

Project: Goschen Mineral Sands Project


Client: VHM Exploration Pty Ltd


Date: 5/04/2023

 Study area

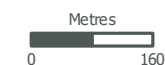
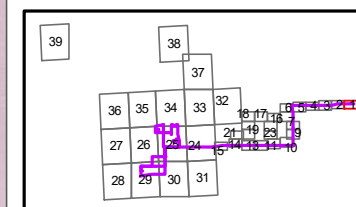
 Large Tree in Patch

Native vegetation

 Chenopod Grassland (EVC 829)

 Plains Savannah (EVC 826)

 DELWP wetlands



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Attachment 1-2: Study area and native vegetation

Project: Goschen Mineral Sands Project


Client: VHM Exploration Pty Ltd


Date: 5/04/2023

 Study area

 Large Tree in Patch


Native vegetation

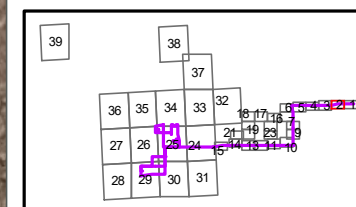
 Chenopod Grassland (EVC 829)

 Riverine Chenopod Woodland (EVC 103)

 DELWP wetlands

FFG listed species (no of individuals labelled)

 *Acacia oswaldii* (Umbrella Wattle)



Metres
0 160



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Attachment 1-3: Study area and native vegetation

Project: Goschen Mineral Sands Project

Client: VHM Exploration Pty Ltd

Date: 5/04/2023

Study area

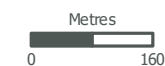
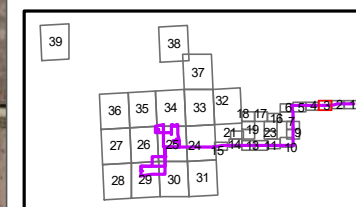
Large Tree in Patch

Native vegetation

Riverine Chenopod Woodland (EVC 103)

FFG listed species (no of individuals labelled)

Allocasuarina luehmannii (Buloke)



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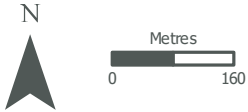
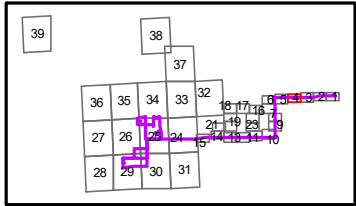
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Attachment 1-4: Study area and native vegetation

Project: Goschen Mineral Sands Project
Client: VHM Exploration Pty Ltd
Date: 5/04/2023




- Study area
- Native vegetation
 - Riverine Chenopod Woodland (EVC 103)
 - DELWP wetlands

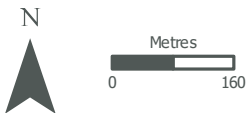
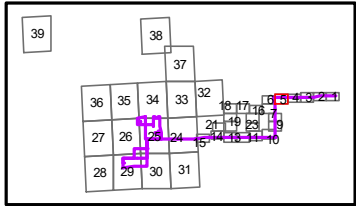


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Attachment 1-5: Study area and native vegetation

Project: Goschen Mineral Sands Project
Client: VHM Exploration Pty Ltd
Date: 5/04/2023

-  Study area
- Native vegetation**
-  Riverine Chenopod Woodland (EVC 103)
- FFG listed species (no of individuals labelled)**
-  Acacia oswaldii (Umbrella Wattle)






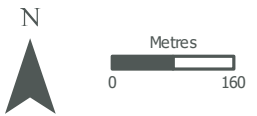
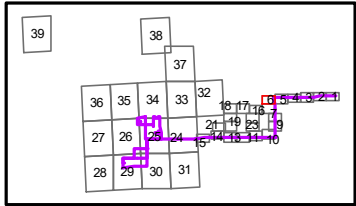
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Attachment 1-6: Study area and native vegetation

Project: Goschen Mineral Sands Project
Client: VHM Exploration Pty Ltd
Date: 5/04/2023




-  Study area
- Native vegetation**
-  Riverine Chenopod Woodland (EVC 103)
- FFG listed species (no of individuals labelled)**
-  *Acacia oswaldii* (Umbrella Wattle)

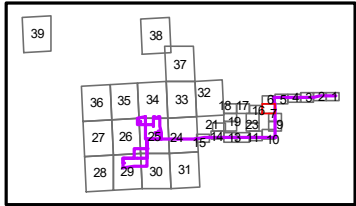
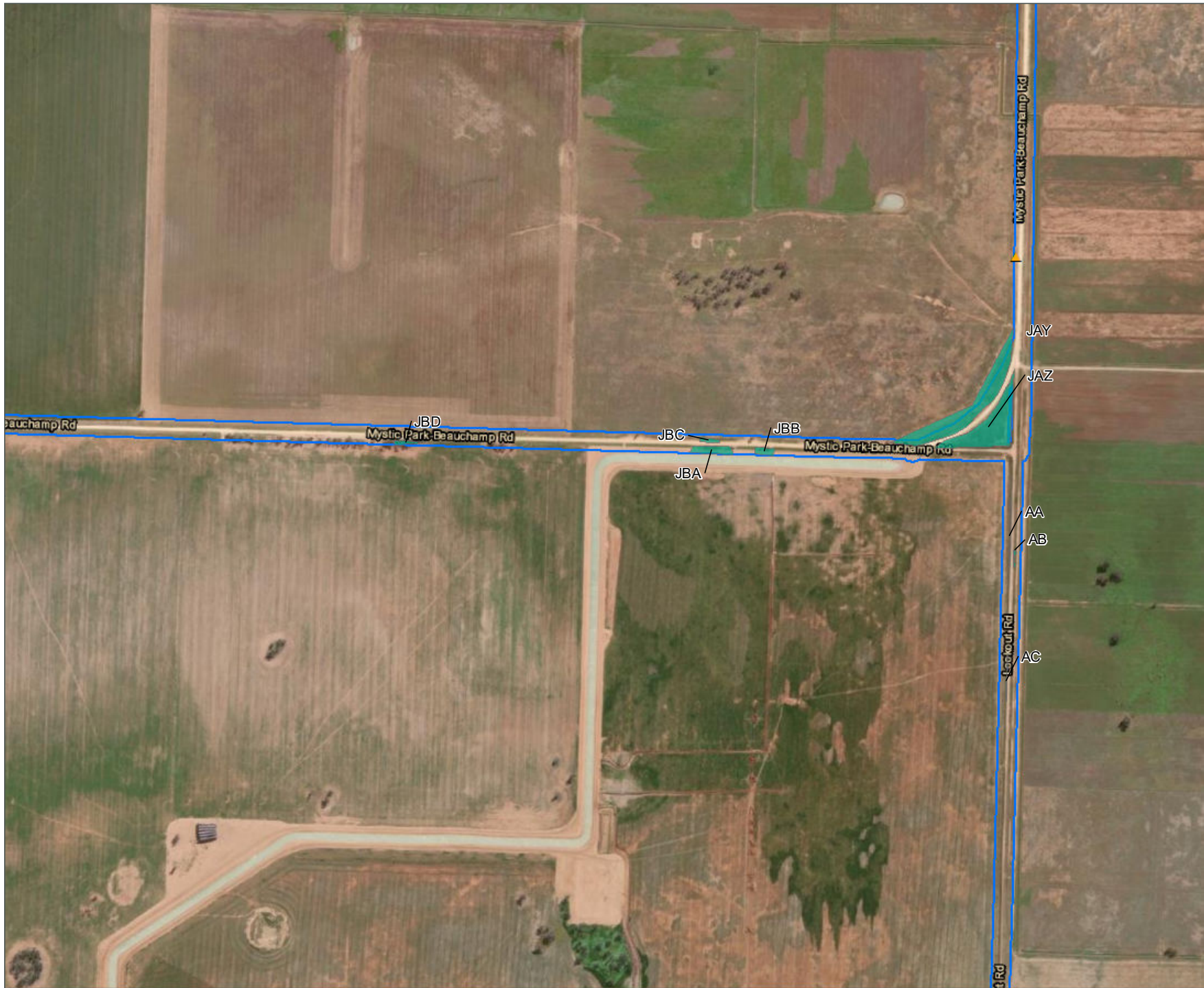


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Attachment 1-7: Study area and native vegetation

Project: Goschen Mineral Sands Project
Client: VHM Exploration Pty Ltd
Date: 5/04/2023

-  Study area
- Native vegetation**
-  Riverine Chenopod Woodland (EVC 103)
- FFG listed species (no of individuals labelled)**
-  *Acacia oswaldii* (Umbrella Wattle)



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Attachment 1-8: Study area and native vegetation

Project: Goschen Mineral Sands Project

Client: VHM Exploration Pty Ltd

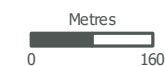
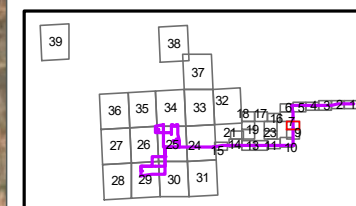
Date: 5/04/2023

Study area

Native vegetation

Riverine Chenopod Woodland (EVC 103)

DELWP wetlands

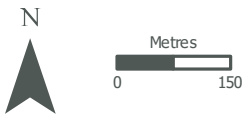
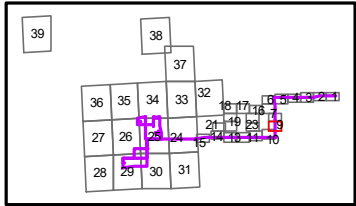


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Attachment 1-9: Study area and native vegetation

Project: Goschen Mineral Sands Project
Client: VHM Exploration Pty Ltd
Date: 5/04/2023

- Study area**
- Native vegetation**
- Riverine Chenopod Woodland (EVC 103)
- FFG protected species (no of individuals labelled)**
- Asteraceae (Daisy)
- FFG listed species (no of individuals labelled)**
- Acacia oswaldii (Umbrella Wattle)



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Attachment 1-10: Study area and native vegetation

Project: Goschen Mineral Sands
Project

Client: VHM Exploration Pty Ltd

Date: 5/04/2023

Study area

Native vegetation

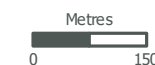
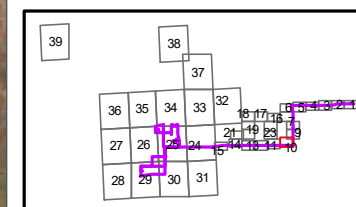
Riverine Chenopod Woodland (EVC 103)

**FFG protected species (no of
individuals labelled)**

▲ Asteraceae (Daisy)

**FFG listed species (no of individuals
labelled)**

▲ Acacia oswaldii (Umbrella Wattle)



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Attachment 1-11: Study area and native vegetation

Project: Goschen Mineral Sands
Project

Client: VHM Exploration Pty Ltd


Date: 5/04/2023

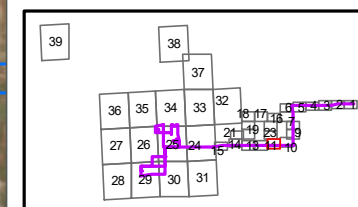
 Study area

 Large Scattered Tree

 Large Tree in Patch

Native vegetation

 Riverine Chenopod Woodland (EVC 103)



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Attachment 1-12: Study area and native vegetation

Project: Goschen Mineral Sands
Project

Client: VHM Exploration Pty Ltd

Date: 5/04/2023

Study area

- Large Scattered Tree
- Large Tree in Patch
- Small Scattered Tree

Native vegetation

■ Woorinen Mallee (EVC 824)

■ DELWP wetlands

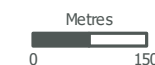
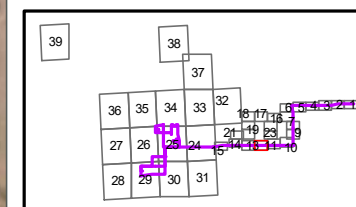
EPBC Act-listed Communities

Plains Mallee Box Woodland of the
Murray Darling Depression, Riverina and
Naracoorte Coastal Plain Bioregions

**FFG listed species (no of individuals
labelled)**

▲ *Acacia oswaldii* (Umbrella Wattle)

▲ *Allocasuarina luehmannii* (Buloke)



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Attachment 1-13: Study area and native vegetation

Project: Goschen Mineral Sands
Project

Client: VHM Exploration Pty Ltd

Date: 5/04/2023

Study area

- Large Scattered Tree
- Large Tree in Patch
- Small Scattered Tree

Native vegetation

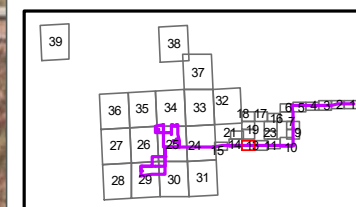
Woorinen Mallee (EVC 824)

EPBC Act-listed Communities

Plains Mallee Box Woodland of the
Murray Darling Depression, Riverina and
Naracoorte Coastal Plain Bioregions

**FFG listed species (no of individuals
labelled)**

▲ *Acacia oswaldii* (Umbrella Wattle)



Metres
0 150



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Attachment 1-14: Study area and native vegetation

Project: Goschen Mineral Sands Project

Client: VHM Exploration Pty Ltd

Date: 5/04/2023

☐ Study area

- Large Scattered Tree

● Large Tree in Patch


- Small Scattered Tree

Native vegetation

Woorinen Mallee (EVC 824)

EPBC Act-listed Communities

Plains Mallee Box Woodland of the

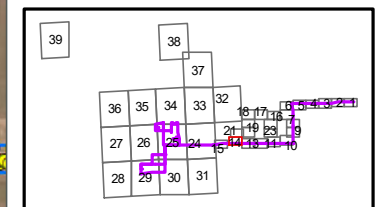
 Murray Darling Depression, Riverina and Naracoorte Coastal Plain Bioregions

FFG protected species (no of individuals labelled)

▲ Acacia sp (Wattle)

FFG listed species (no of individuals labelled)

▲ *Acacia oswaldii* (Umbrella Wattle)



Metres

Age Group	Number of People
18-24	100
25-34	120
35-44	140
45-54	150



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Attachment 1-15: Study area and native vegetation

Project: Goschen Mineral Sands
Project

Client: VHM Exploration Pty Ltd

Date: 5/04/2023

Study area

- Large Scattered Tree
- Large Tree in Patch
- Small Scattered Tree

Native vegetation

■ Woorinen Mallee (EVC 824)

■ Plains Savannah (EVC 826)

EPBC Act-listed Communities

Plains Mallee Box Woodland of the
Murray Darling Depression, Riverina and
Naracoorte Coastal Plain Bioregions

■ Potential Plains Mallee Box Woodland

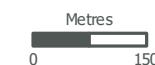
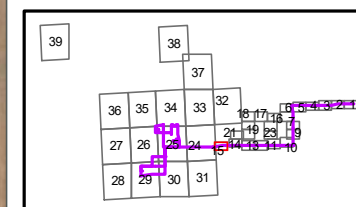
**FFG protected species (no of
individuals labelled)**

▲ Acacia sp (Wattle)

▲ Grevillea huegii (Comb grevillea)

**FFG listed species (no of individuals
labelled)**

▲ Acacia oswaldii (Umbrella Wattle)



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Attachment 1-16: Study area and native vegetation

Project: Goschen Mineral Sands
Project

Client: VHM Exploration Pty Ltd

Date: 5/04/2023

 Study area


 Large Scattered Tree

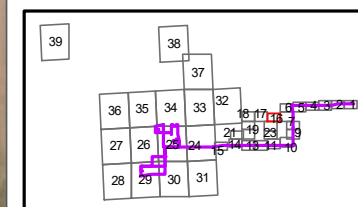
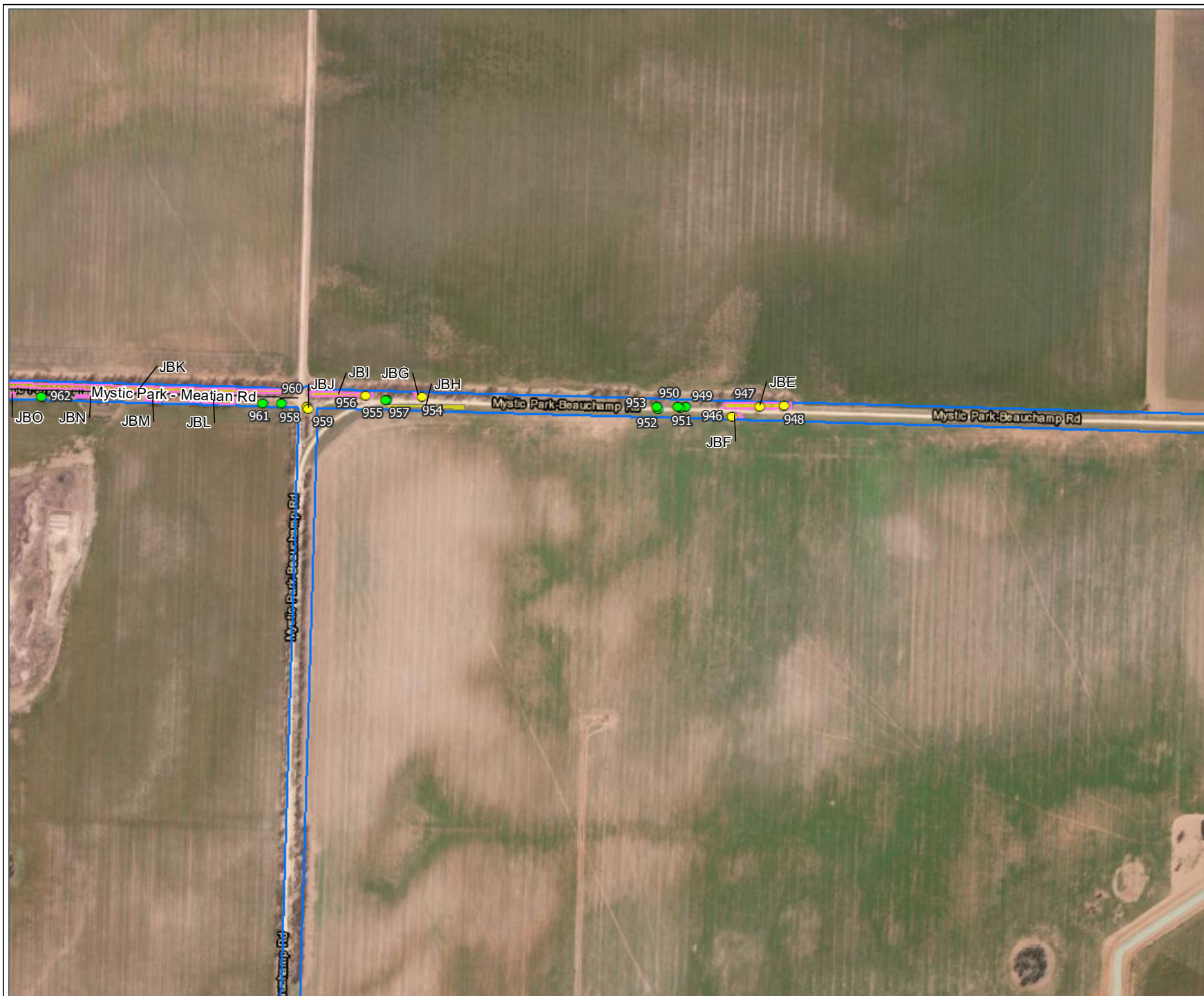
 Large Tree in Patch

Native vegetation

 Woorinen Mallee (EVC 824)

EPBC Act-listed Communities

 Plains Mallee Box Woodland of the
Murray Darling Depression, Riverina and
Naracoorte Coastal Plain Bioregions



Metres
0 140



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Attachment 1-17: Study area and native vegetation

Project: Goschen Mineral Sands
Project

Client: VHM Exploration Pty Ltd


Date: 5/04/2023

 Study area


 Large Scattered Tree

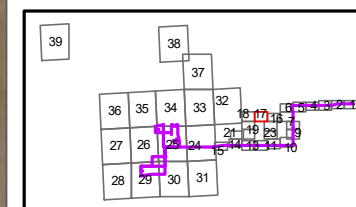
Native vegetation

 Woorinen Mallee (EVC 824)

 DELWP wetlands

EPBC Act-listed Communities

 Plains Mallee Box Woodland of the
Murray Darling Depression, Riverina and
Naracoorte Coastal Plain Bioregions



Metres
0 140



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Attachment 1-18: Study area and native vegetation

Project: Goschen Mineral Sands
Project

Client: VHM Exploration Pty Ltd

Date: 5/04/2023

Study area

Large Scattered Tree

Large Tree in Patch

Native vegetation

Woorinen Mallee (EVC 824)

DELWP wetlands

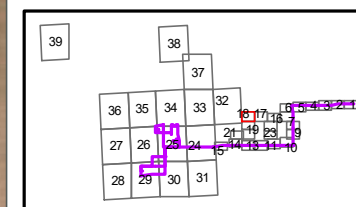
EPBC Act-listed Communities

Plains Mallee Box Woodland of the

Murray Darling Depression, Riverina and
Naracoorte Coastal Plain Bioregions

FFG listed species (no of individuals
labelled)

Acacia oswaldii (Umbrella Wattle)



Metres
0 140



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Attachment 1-19: Study area and native vegetation

Project: Goschen Mineral Sands
Project

Client: VHM Exploration Pty Ltd

Date: 5/04/2023

Study area

Large Scattered Tree

Native vegetation

Woorinen Mallee (EVC 824)

DELWP wetlands

EPBC Act-listed Communities

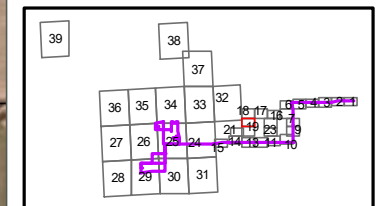
Plains Mallee Box Woodland of the
Murray Darling Depression, Riverina and
Naracoorte Coastal Plain Bioregions

**FFG protected species (no of
individuals labelled)**

Acacia sp (Wattle)

**FFG listed species (no of individuals
labelled)**

Acacia oswaldii (Umbrella Wattle)



Metres
0 140



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Attachment 1-20: Study area and native vegetation

Project: Goschen Mineral Sands
Project

Client: VHM Exploration Pty Ltd

Date: 5/04/2023


 Study area

 Large Scattered Tree


Native vegetation

 Woorinen Mallee (EVC 824)


EPBC Act-listed Communities

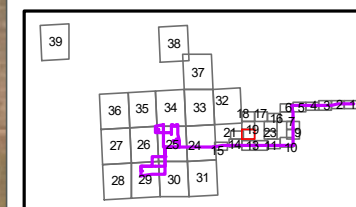
 Plains Mallee Box Woodland of the
Murray Darling Depression, Riverina and
Naracoorte Coastal Plain Bioregions

**FFG protected species (no of
individuals labelled)**

 Acacia sp (Wattle)

**FFG listed species (no of individuals
labelled)**

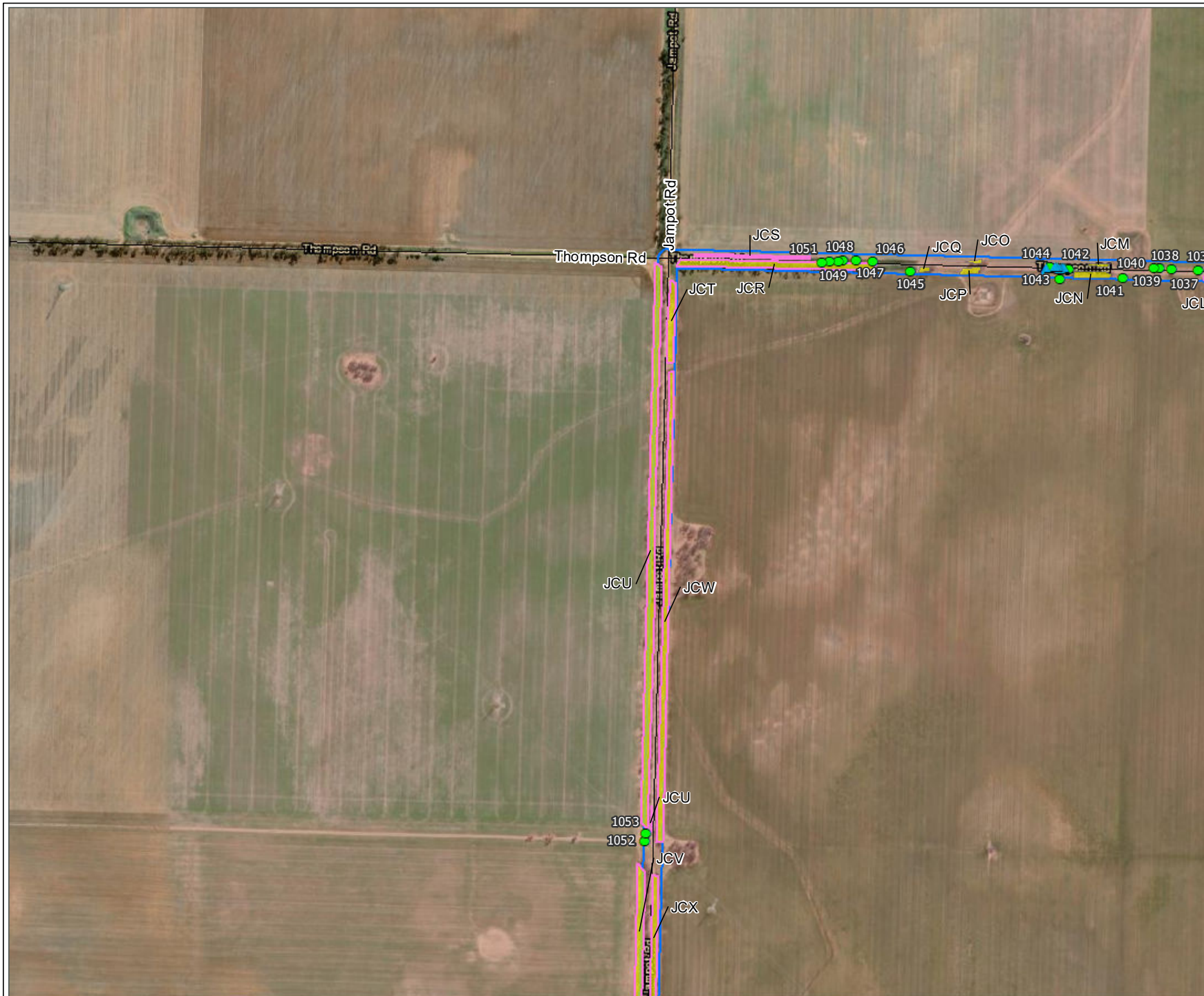
 Acacia oswaldii (Umbrella Wattle)



Metres
0 140



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Attachment 1-21: Study area and native vegetation

Project: Goschen Mineral Sands
Project

Client: VHM Exploration Pty Ltd

Date: 5/04/2023

Study area

Large Scattered Tree

Native vegetation

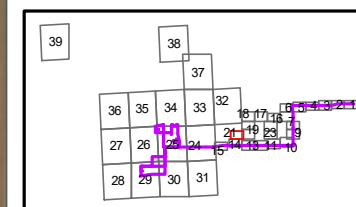
Woorinen Mallee (EVC 824)

EPBC Act-listed Communities

Plains Mallee Box Woodland of the
Murray Darling Depression, Riverina and
Naracoorte Coastal Plain Bioregions

**FFG protected species (no of
individuals labelled)**

▲ Acacia sp (Wattle)



Metres
0 140



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Attachment 1-22: Study area and native vegetation

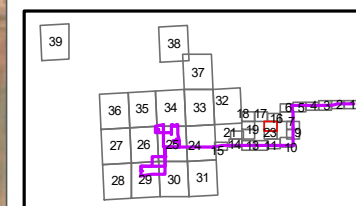
Project: Goschen Mineral Sands
Project

Client: VHM Exploration Pty Ltd

Date: 5/04/2023

Study area

Large Scattered Tree



Metres
0 140



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Attachment 1-23: Study area and native vegetation

Project: Goschen Mineral Sands
Project

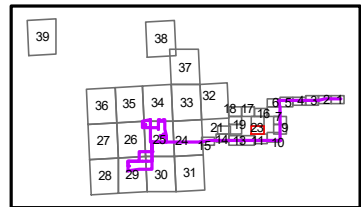
Client: VHM Exploration Pty Ltd

Date: 5/04/2023

Study area

Large Scattered Tree

Small Scattered Tree



Metres
0 140



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Date: 5/04/2023

▲ *Rhagodia parabolica* (Fragrant Saltbush)



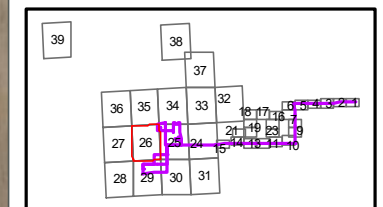
Attachment 1-26: Study area and native vegetation

Project: Goschen Mineral Sands
Project

Client: VHM Exploration Pty Ltd

Date: 5/04/2023

- Study area
- Mine Site
- Large Scattered Tree
- Large Tree in Patch
- Small Scattered Tree
- Native vegetation**
- Ridged Plains Mallee (EVC 96)
- Riverine Chenopod Woodland (EVC 103)
- Woorinen Mallee (EVC 824)
- Plains Savannah (EVC 826)
- EPBC Act-listed Communities**
- Buloke Woodlands of the Riverina and Murray-Darling Depression Bioregions
- Plains Mallee Box Woodland of the Murray Darling Depression, Riverina and Naracoorte Coastal Plain Bioregions
- Potential Plains Mallee Box Woodland
- FFG listed species (no of individuals labelled)**
- ▲ *Acacia melvillei* (Yarran)
- ▲ *Acacia oswaldii* (Umbrella Wattle)



Metres
0 400



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Attachment 1-27: Study area and native vegetation

Project: Goschen Mineral Sands Project

Client: VHM Exploration Pty Ltd

Date: 5/04/2023

Study area

Large Scattered Tree

Small Scattered Tree

Native vegetation

Ridged Plains Mallee (EVC 96)

Riverine Chenopod Woodland (EVC 103)

Woorinen Mallee (EVC 824)

Plains Savannah (EVC 826)

EPBC Act-listed Communities

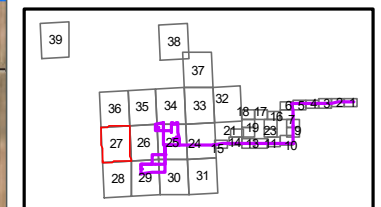
Buloke Woodlands of the Riverina and Murray-Darling Depression Bioregions

Plains Mallee Box Woodland of the Murray Darling Depression, Riverina and Naracorte Coastal Plain Bioregions

Potential Plains Mallee Box Woodland

FFG listed species (no of individuals labelled)

Acacia oswaldii (Umbrella Wattle)



N



Metres

0 400

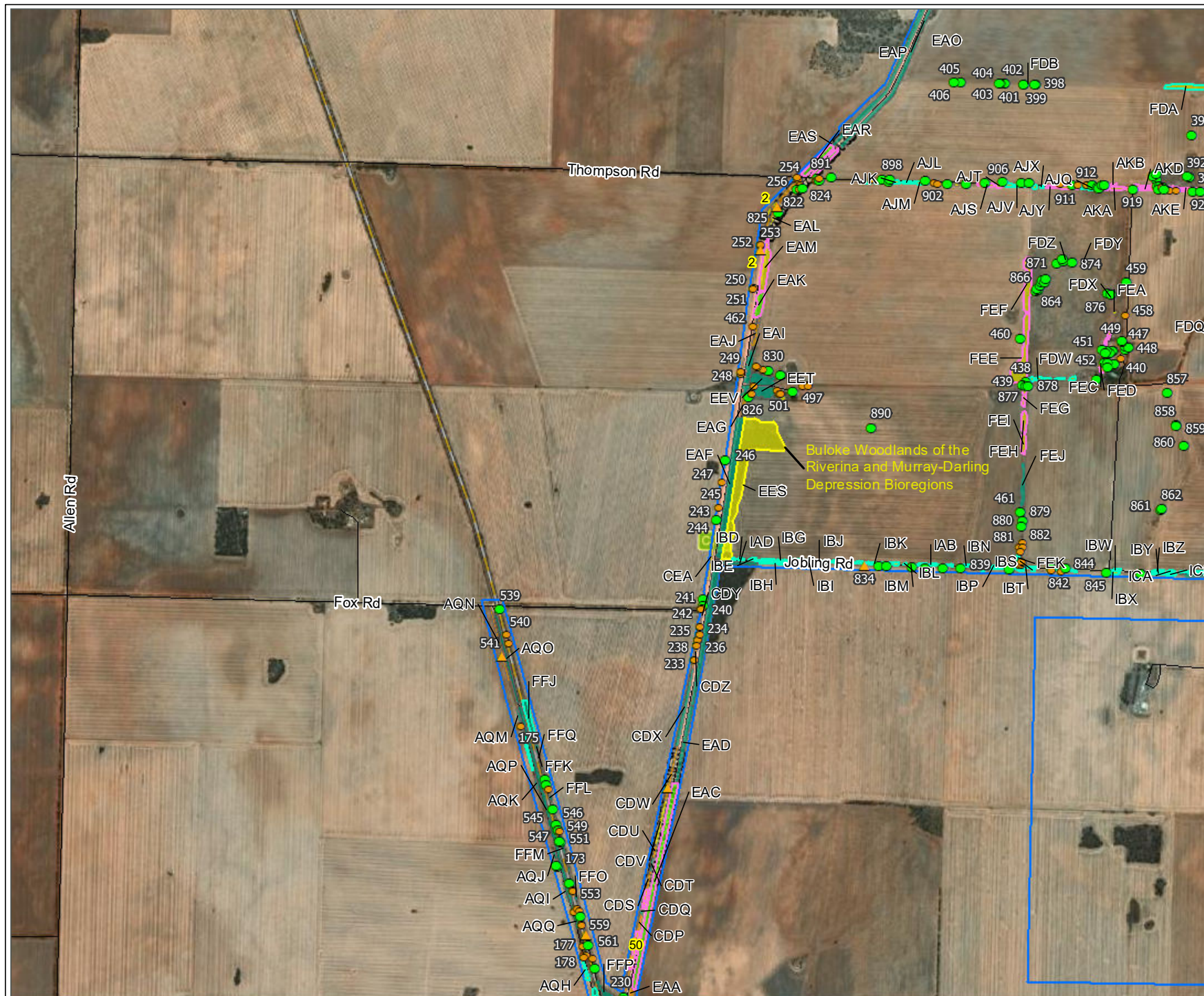


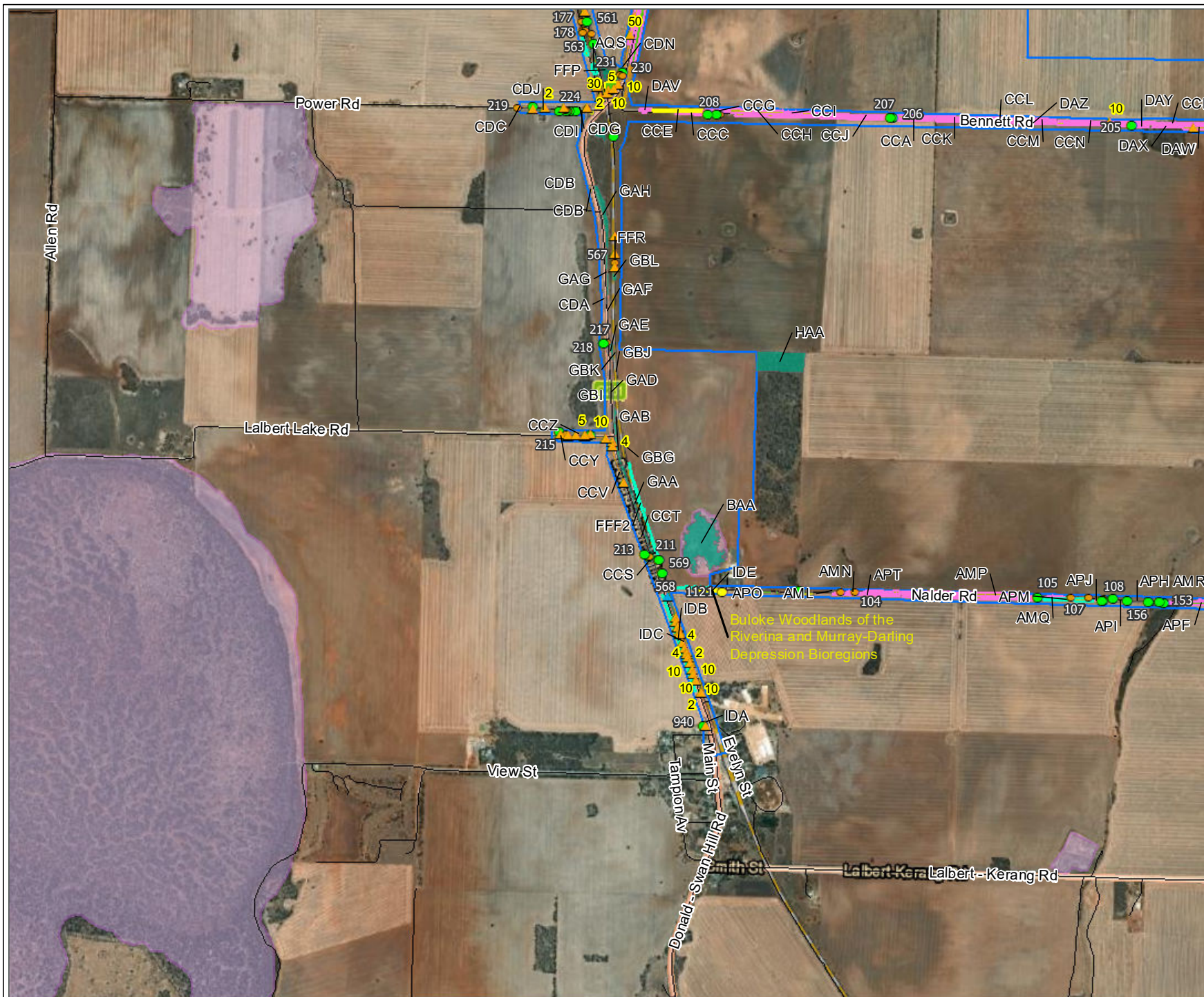
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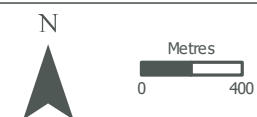
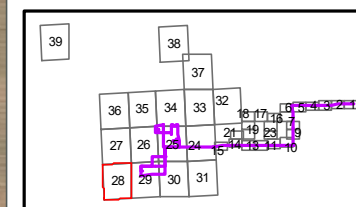
Attachment 1-28: Study area and native vegetation

Project: Goschen Mineral Sands
Project

Client: VHM Exploration Pty Ltd

Date: 5/04/2023

- Study area
- Large Scattered Tree
- Large Tree in Patch
- Small Scattered Tree
- Native vegetation**
 - Ridged Plains Mallee (EVC 96)
 - Riverine Chenopod Woodland (EVC 103)
 - Woorinen Mallee (EVC 824)
 - Plains Savannah (EVC 826)
 - DELWP wetlands
- EPBC Act-listed Communities**
 - Buloke Woodlands of the Riverina and Murray-Darling Depression Bioregions
 - Plains Mallee Box Woodland of the Murray Darling Depression, Riverina and Naracoorte Coastal Plain Bioregions
 - Potential Plains Mallee Box Woodland
- FFG protected species (no of individuals labelled)**
 - Acacia sp (Wattle)
- FFG listed species (no of individuals labelled)**
 - Acacia oswaldii (Umbrella Wattle)



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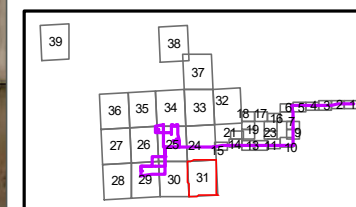
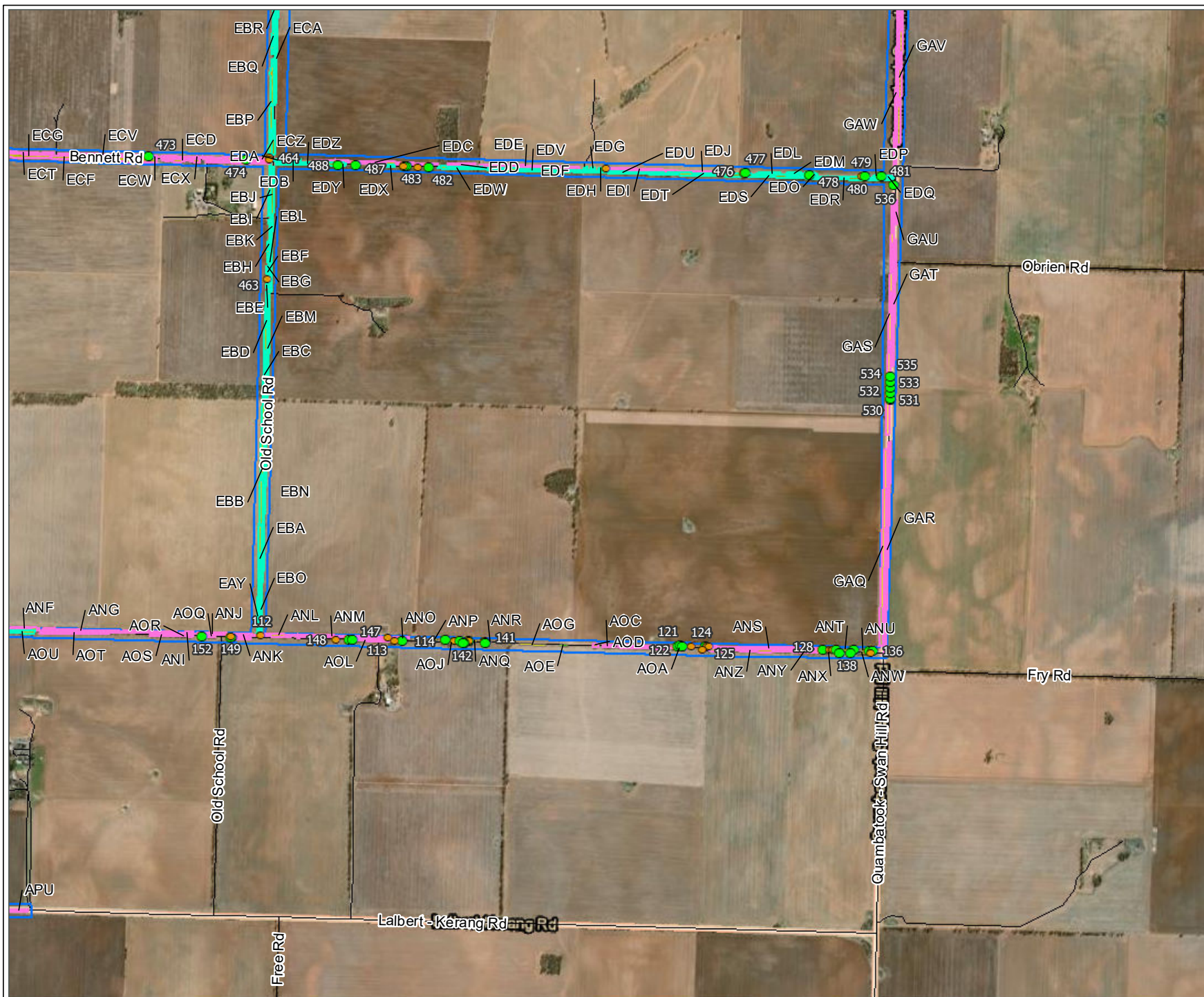
Attachment 1-31: Study area and native vegetation

Project: Goschen Mineral Sands
Project

Client: VHM Exploration Pty Ltd

Date: 5/04/2023

- Study area
- Large Scattered Tree
- Small Scattered Tree
- Native vegetation**
 - Ridged Plains Mallee (EVC 96)
 - Woorinen Mallee (EVC 824)
- EPBC Act-listed Communities**
 - Plains Mallee Box Woodland of the
 - Murray Darling Depression, Riverina and
 - Naracoorte Coastal Plain Bioregions
 - Potential Plains Mallee Box Woodland



Metres
0 400



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Attachment 1-32: Study area and native vegetation

Project: Goschen Mineral Sands
Project

Client: VHM Exploration Pty Ltd

Date: 5/04/2023

Study area

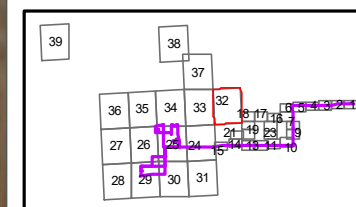
- Large Scattered Tree
- Large Tree in Patch
- Small Scattered Tree

Native vegetation

- Riverine Chenopod Woodland (EVC 103)
- Woorinen Mallee (EVC 824)

EPBC Act-listed Communities

- Plains Mallee Box Woodland of the
Murray Darling Depression, Riverina and
Naracoorte Coastal Plain Bioregions
- Potential Plains Mallee Box Woodland



N

Metres
0 400



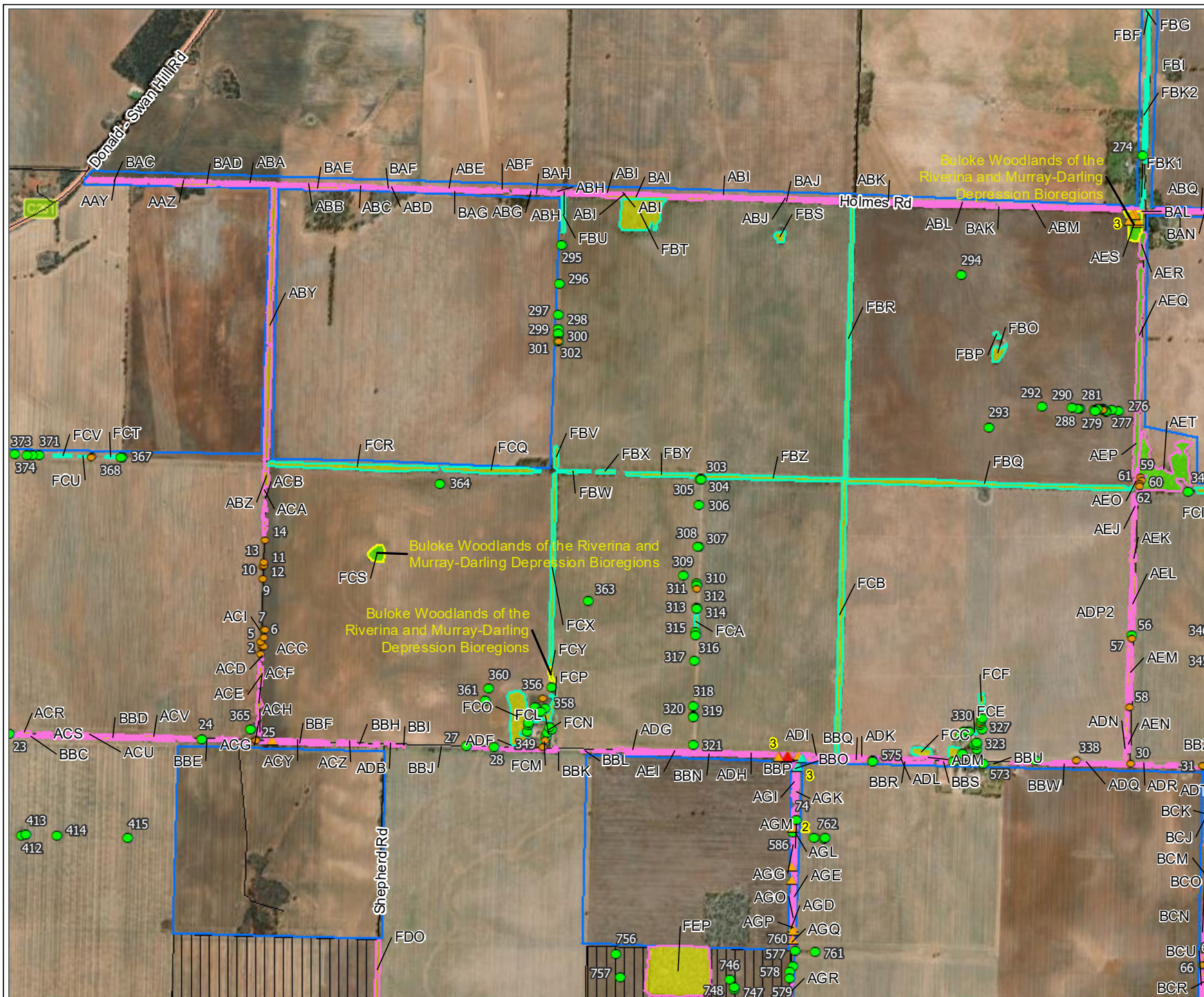
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Attachment 1-34: Study area and native vegetation

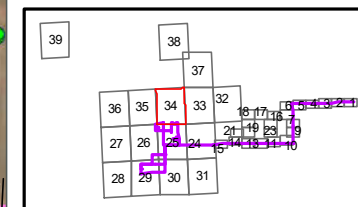
Project: Goschen Mineral Sands Project

Client: VHM Exploration Pty Ltd

Date: 5/04/2023



- Study area
- Large Scattered Tree
- Small Scattered Tree
- Native vegetation**
 - Ridged Plains Mallee (EVC 96)
 - Woorinen Mallee (EVC 824)
- EPBC Act-listed Communities**
 - Buloke Woodlands of the Riverina and Murray-Darling Depression Bioregions
 - Plains Mallee Box Woodland of the Murray Darling Depression, Riverina and Naracoorte Coastal Plain Bioregions
 - Potential Plains Mallee Box Woodland
- FFG listed species (no of individuals labelled)**
 - ▲ Acacia melvillei (Yarran)
 - ▲ Acacia oswaldii (Umbrella Wattle)
 - ▲ Chenopodium desertorum subsp. desertorum (Frosted Goosefoot)



Metres
0 400



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Attachment 1-36: Study area and native vegetation

Project: Goschen Mineral Sands Project


Client: VHM Exploration Pty Ltd

Date: 5/04/2023

☐ Study area

● Large Scattered Tree

Native vegetation

 Ridged Plains Mallee (EVC 96)

■ Riverine Chenopod Woodland (EVC 103)

Woorinen Mallee (EVC 824)

EPBC Act-listed Communities

Plains Mallee Box Woodland of the

 Murray Darling Depression, Riverina and Naracoorte Coastal Plain Bioregions

 Potential Plains Mallee Box Woodland

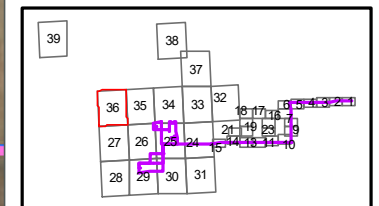
FFG protected species (no of individuals labelled)

▲ *Acacia rigens* (Nealie)

▲ Asteraceae (Daisy)

FFG listed species (no of individuals labelled)

▲ *Acacia oswaldii* (Umbrella Wattle)



Metres



400



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Attachment 1-37: Study area and native vegetation

Project: Goschen Mineral Sands
Project

Client: VHM Exploration Pty Ltd

Date: 5/04/2023

Study area

● Large Scattered Tree

● Small Scattered Tree

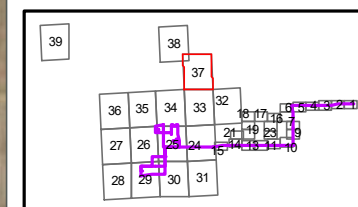
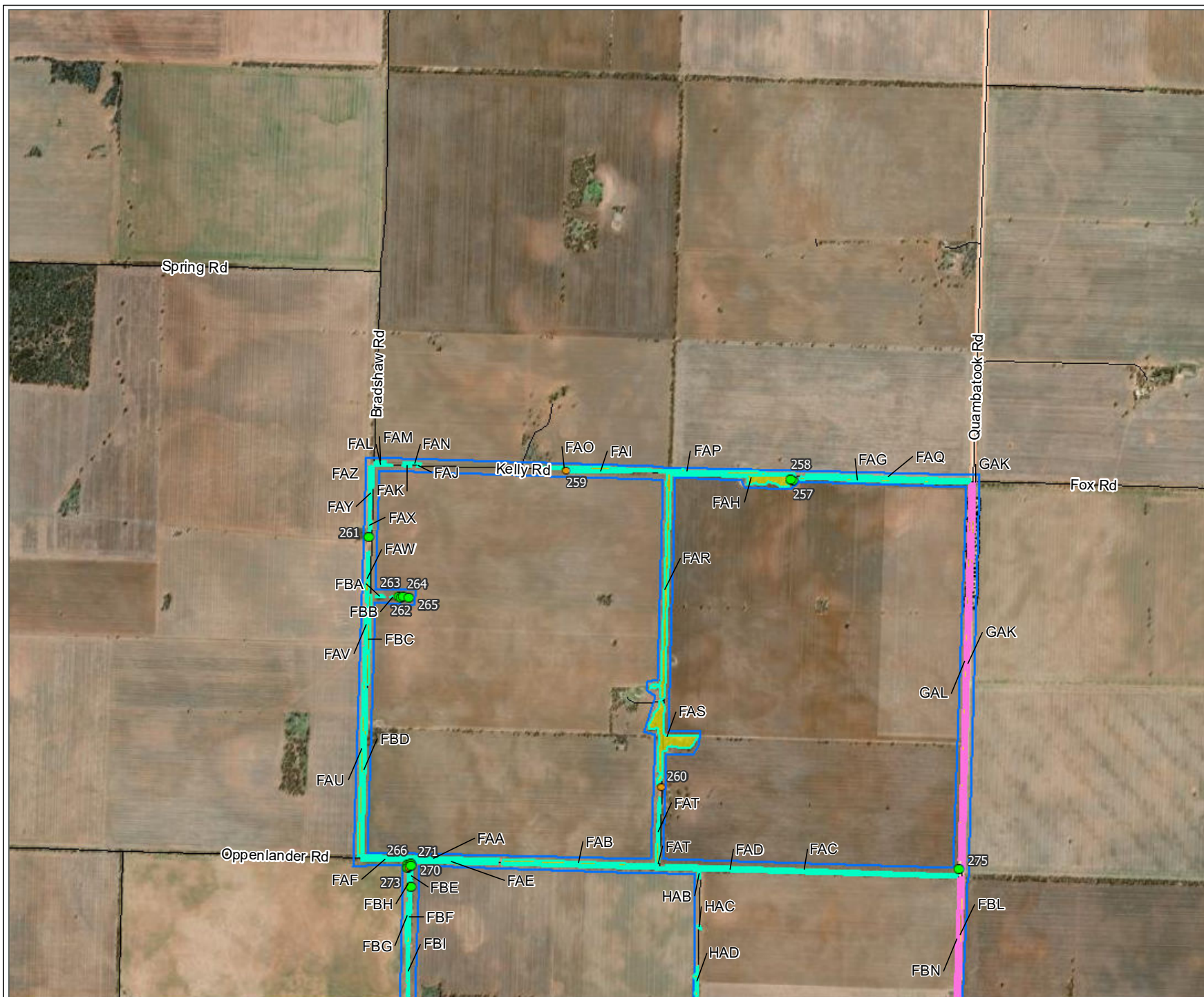
Native vegetation

■ Woorenen Mallee (EVC 824)

EPBC Act-listed Communities

Plains Mallee Box Woodland of the
Murray Darling Depression, Riverina and
Naracoorte Coastal Plain Bioregions

■ Potential Plains Mallee Box Woodland



Metres
0 400



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Attachment 1-38: Study area and native vegetation

Project: Goschen Mineral Sands
Project

Client: VHM Exploration Pty Ltd

Date: 5/04/2023

Study area

Native vegetation

Ridged Plains Mallee (EVC 96)

Woorinen Mallee (EVC 824)

EPBC Act-listed Communities

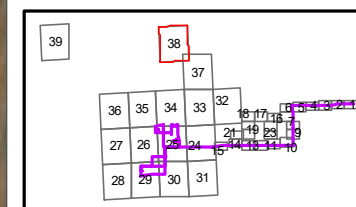
Potential Plains Mallee Box Woodland

**FFG protected species (no of
individuals labelled)**

▲ Asteraceae (Daisy)

**FFG listed species (no of individuals
labelled)**

▲ Minuria cunninghamii (Bush Minuria)



Metres
0 400



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Attachment 1-39:
Study area and native
vegetation

Project: Goschen Mineral Sands
Project

Client: VHM Exploration Pty Ltd

Date: 5/04/2023

Study area

Large Tree in Patch

Small Scattered Tree

Native vegetation

Ridged Plains Mallee (EVC 96)

Semi-arid Woodland (EVC 97)

Woorinen Mallee (EVC 824)

Plains Savannah (EVC 826)

EPBC Act-listed Communities

Potential Plains Mallee Box Woodland

**FFG protected species (no of
individuals labelled)**

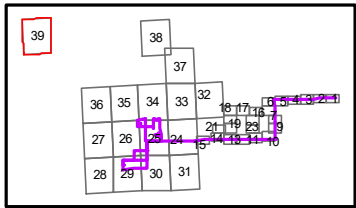
▲ Acacia hakeoides (Hakea Wattle)

▲ Acacia sp (Wattle)

▲ Asteraceae (Daisy)

**FFG listed species (no of individuals
labelled)**

▲ Acacia oswaldii (Umbrella Wattle)



Metres
0 400



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Attachment 2-1: Native vegetation to be removed

Project: Goschen Mineral Sands Project

Client: VHM Exploration Pty Ltd

Date: 11/05/2023

Study area

Pipeline

Impact Area (6m)

Large Tree in Patch

Native vegetation

Chenopod Grassland (EVC 829)

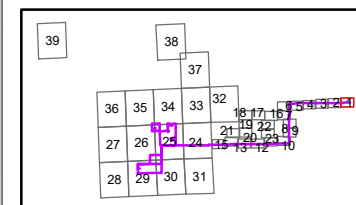
Plains Savannah (EVC 826)

DELWP wetlands

Environmental Significance Overlay - Schedule 2

Vegetation Protection Overlay - Schedule 1

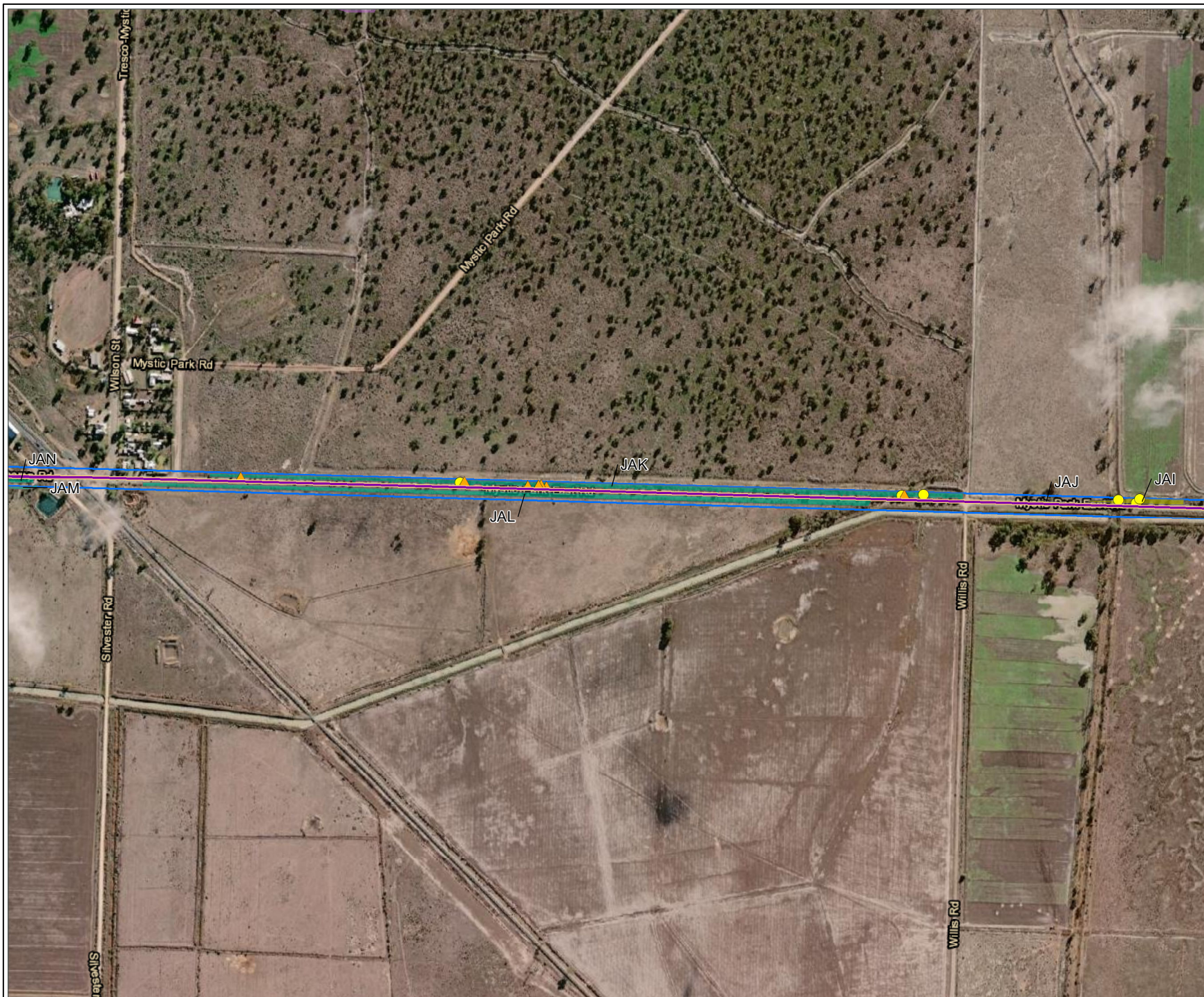
Native vegetation to be removed



Metres
0 160



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Attachment 2-2: Native vegetation to be removed

Project: Goschen Mineral Sands Project
Client: VHM Exploration Pty Ltd
Date: 11/05/2023

Study area

Pipeline

Impact Area (6m)

Large Tree in Patch

Native vegetation

Chenopod Grassland (EVC 829)

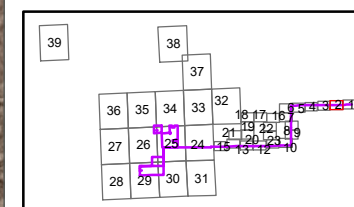
Riverine Chenopod Woodland (EVC 103)

DELWP wetlands

FFG listed species (no of individuals labelled)

Acacia oswaldii (Umbrella Wattle)

Native vegetation to be removed



Metres
 0 160



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Attachment 2-3: Native vegetation to be removed

Project: Goschen Mineral Sands
Project: Client: VHM Exploration Pty Ltd
Date: 11/05/2023

Study area

Pipeline

Impact Area (6m)

Large Tree in Patch

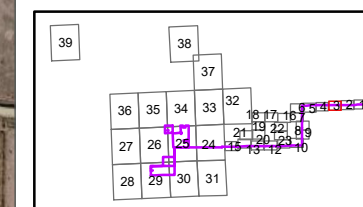
Native vegetation

Riverine Chenopod Woodland (EVC 103)

FFG listed species (no of individuals labelled)

Allocasuarina luehmannii (Buloke)

Native vegetation to be removed



Metres
 0 160



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Attachment 2-4: Native vegetation to be removed

Project: Goschen Mineral Sands Project
Client: VHM Exploration Pty Ltd
Date: 11/05/2023

Study area

Pipeline

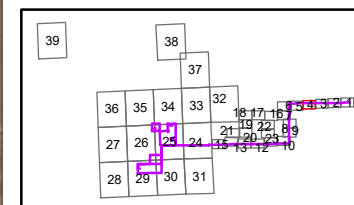
Impact Area (6m)

Native vegetation

Riverine Chenopod Woodland (EVC 103)

DELWP wetlands

Native vegetation to be removed



Metres
0 160



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Attachment 2-5: Native vegetation to be removed

Project: Goschen Mineral Sands Project
Client: VHM Exploration Pty Ltd
Date: 11/05/2023

Study area

Pipeline

Impact Area (6m)

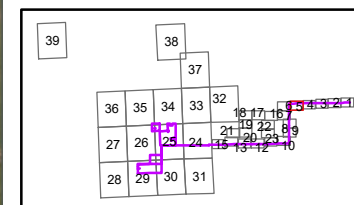
Native vegetation

Riverine Chenopod Woodland (EVC 103)

FFG listed species (no of individuals labelled)

▲ *Acacia oswaldii* (Umbrella Wattle)

■ Native vegetation to be removed



Metres
 0 160



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Attachment 2-6: Native vegetation to be removed

Project: Goschen Mineral Sands Project
Client: VHM Exploration Pty Ltd
Date: 11/05/2023

Study area

Pipeline

Impact Area (6m)

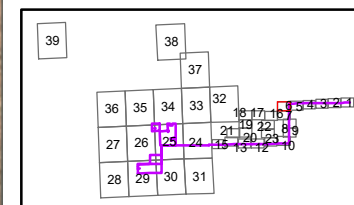
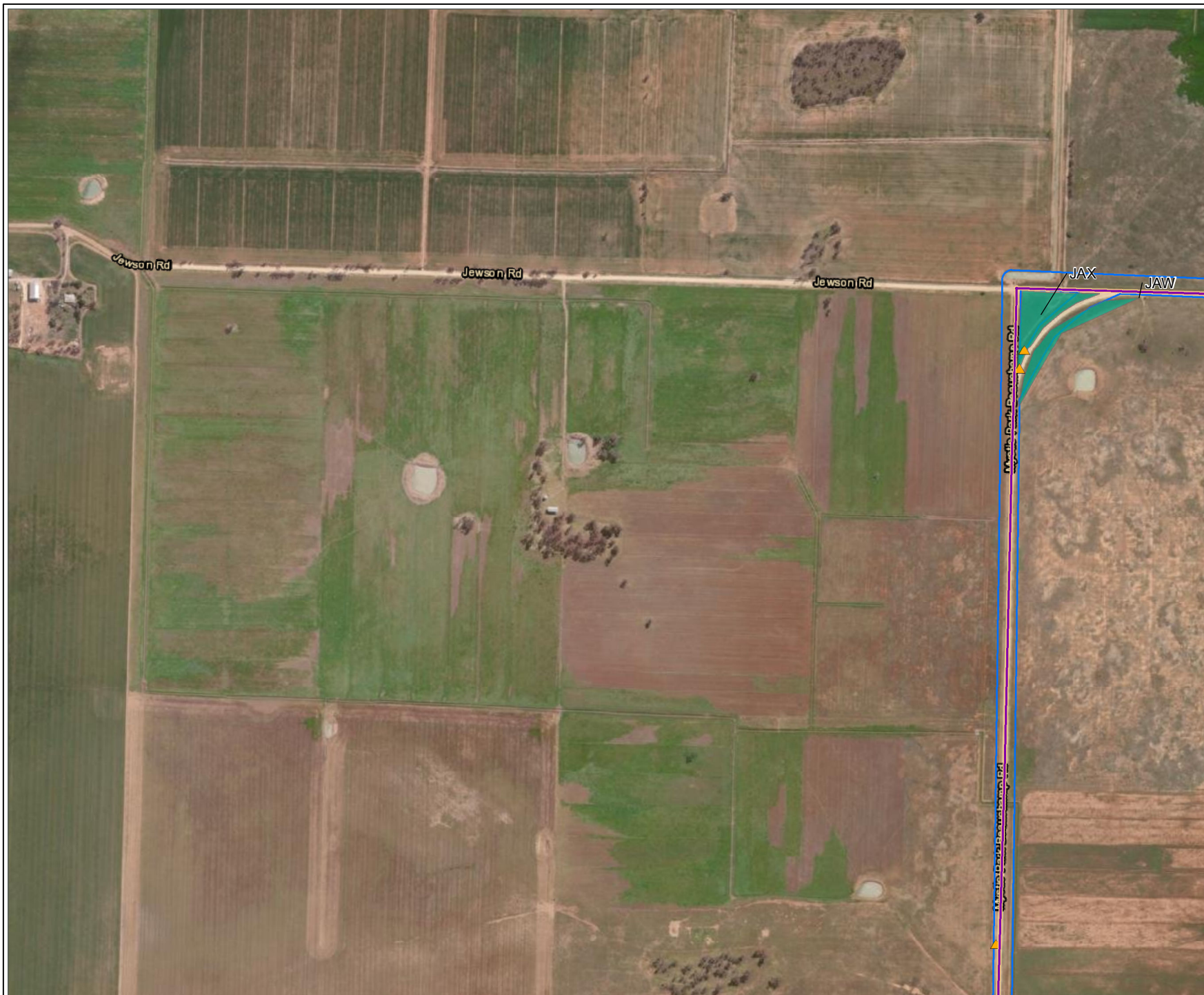
Native vegetation

Riverine Chenopod Woodland (EVC 103)

FFG listed species (no of individuals labelled)

▲ Acacia oswaldii (Umbrella Wattle)

■ Native vegetation to be removed



Metres
 0 160



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Attachment 2-7: Native vegetation to be removed

Project: Goschen Mineral Sands Project
Client: VHM Exploration Pty Ltd
Date: 11/05/2023

Study area

Pipeline

Impact Area (6m)

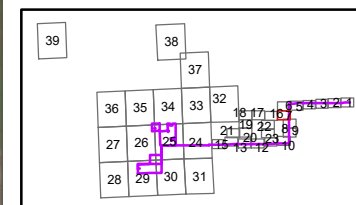
Native vegetation

Riverine Chenopod Woodland (EVC 103)

FFG listed species (no of individuals labelled)

▲ Acacia oswaldii (Umbrella Wattle)

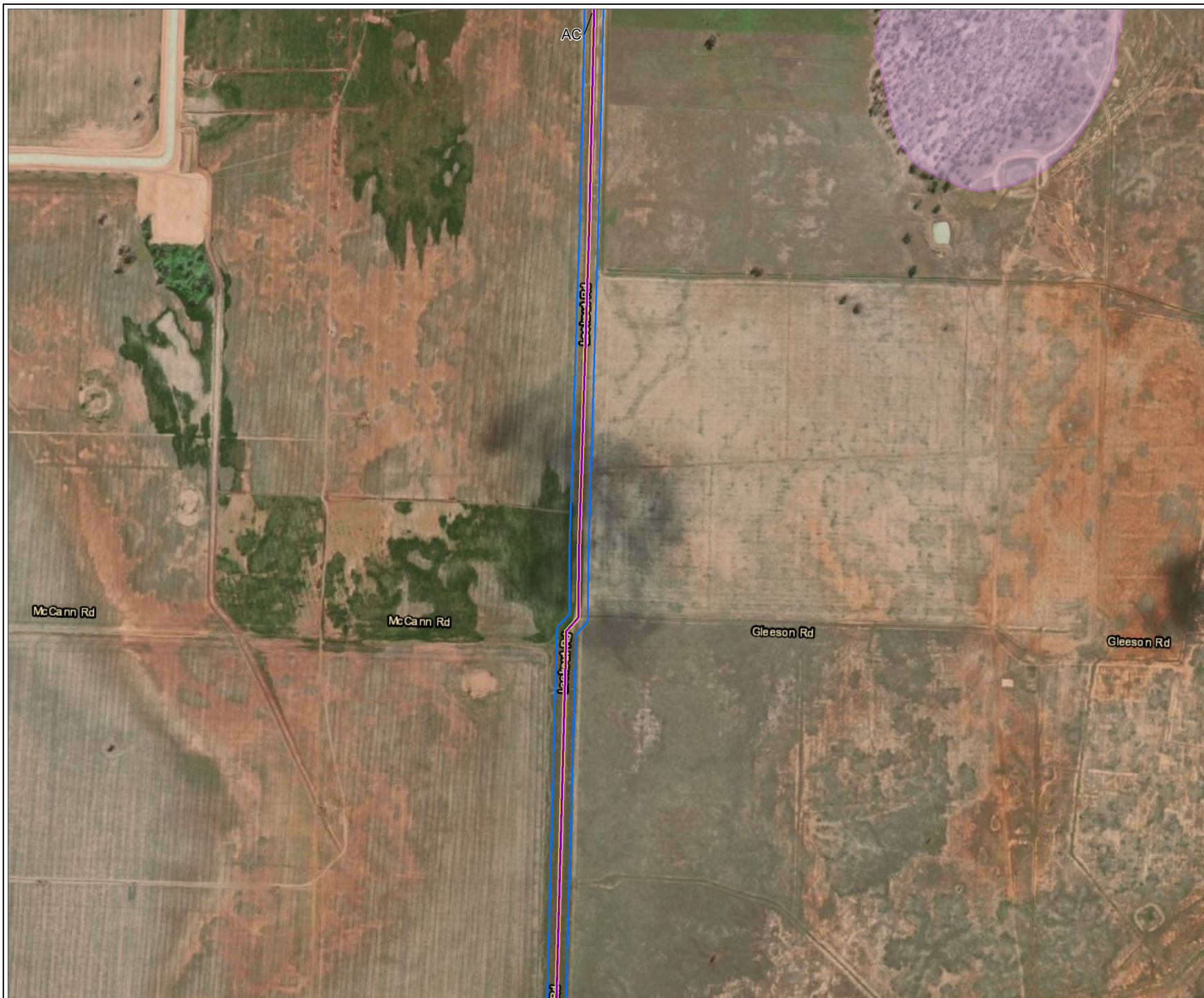
■ Native vegetation to be removed



Metres
 0 160



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Attachment 2-8: Native vegetation to be removed

Project: Goschen Mineral Sands

Project

Client: VHM Exploration Pty Ltd

Date: 11/05/2023

Study area

Pipeline

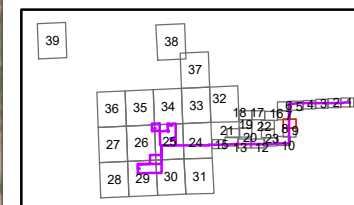
Impact Area (6m)

Native vegetation

Riverine Chenopod Woodland (EVC 103)

DELWP wetlands

Native vegetation to be removed



Metres
0 160



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Attachment 2-9: Native vegetation to be removed

Project: Goschen Mineral Sands Project
Client: VHM Exploration Pty Ltd
Date: 11/05/2023

Study area

Pipeline

Impact Area (6m)

Native vegetation

Riverine Chenopod Woodland (EVC 103)

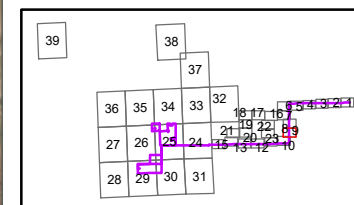
FFG protected species (no of individuals labelled)

▲ Asteraceae (Daisy)

FFG listed species (no of individuals labelled)

▲ Acacia oswaldii (Umbrella Wattle)

■ Native vegetation to be removed



Metres
 0 160



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Attachment 2-10: Native vegetation to be removed

Project: Goschen Mineral Sands


Project

Client: VHM Exploration Pty Ltd


Date: 11/05/2023

 Study area


 Pipeline

 Impact Area (6m)

Native vegetation


 Riverine Chenopod Woodland (EVC 103)

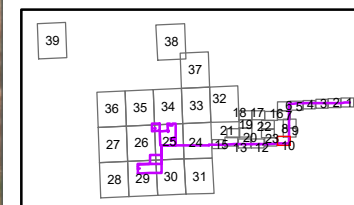
FFG protected species (no of individuals labelled)

 Asteraceae (Daisy)

FFG listed species (no of individuals labelled)

 *Acacia oswaldii* (Umbrella Wattle)

 Native vegetation to be removed



Metres
0 160



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Attachment 2-11: Native vegetation to be removed

Project: Goschen Mineral Sands

Project

Client: VHM Exploration Pty Ltd

Date: 11/05/2023

Study area

Pipeline

Impact Area (6m)

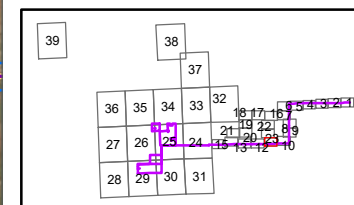
Large Scattered Tree

Large Tree in Patch

Native vegetation

Riverine Chenopod Woodland (EVC 103)

Native vegetation to be removed



Metres
0 160



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Attachment 2-12: Native vegetation to be removed

Project: Goschen Mineral Sands Project

Client: VHM Exploration Pty Ltd

Date: 11/05/2023

Study area

Pipeline

Impact Area (6m)

Large Scattered Tree

Large Tree in Patch

Small Scattered Tree

Native vegetation

Woorinen Mallee (EVC 824)

DELWP wetlands

EPBC Act-listed Communities

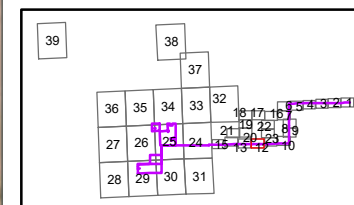
Plains Mallee Box Woodland of the
Murray Darling Depression, Riverina and
Naracoorte Coastal Plain Bioregions

**FFG listed species (no of individuals
labelled)**

▲ Acacia oswaldii (Umbrella Wattle)

▲ Allocasuarina luehmannii (Buloke)

■ Native vegetation to be removed



Metres
0 160



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Attachment 2-13: Native vegetation to be removed

Project: Goschen Mineral Sands Project

Client: VHM Exploration Pty Ltd

Date: 11/05/2023

Study area

Pipeline

Impact Area (6m)

Large Scattered Tree

Large Tree in Patch

Small Scattered Tree

Native vegetation

Woorinen Mallee (EVC 824)

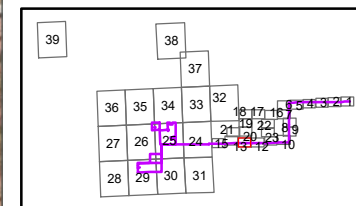
EPBC Act-listed Communities

Plains Mallee Box Woodland of the
Murray Darling Depression, Riverina and
Naracoorte Coastal Plain Bioregions

**FFG listed species (no of individuals
labelled)**

▲ Acacia oswaldii (Umbrella Wattle)

■ Native vegetation to be removed



Metres
0 160



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Attachment 2-14: Native vegetation to be removed

Project: Goschen Mineral Sands Project

Client: VHM Exploration Pty Ltd

Date: 11/05/2023

Study area

Pipeline

Impact Area (6m)

Large Scattered Tree

Large Tree in Patch

Small Scattered Tree

Native vegetation

Woorinen Mallee (EVC 824)

EPBC Act-listed Communities

Plains Mallee Box Woodland of the
Murray Darling Depression, Riverina and
Naracoorte Coastal Plain Bioregions

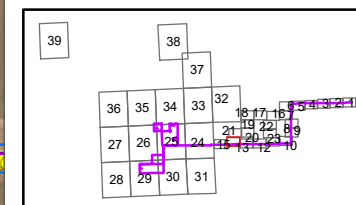
FFG protected species (no of individuals labelled)

▲ Acacia sp (Wattle)

FFG listed species (no of individuals labelled)

▲ Acacia oswaldii (Umbrella Wattle)

Native vegetation to be removed



Metres
0 160



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Attachment 2-15: Native vegetation to be removed

Project: Goschen Mineral Sands Project

Client: VHM Exploration Pty Ltd

Date: 11/05/2023

Study area

Pipeline

Impact Area (6m)

Large Scattered Tree

Large Tree in Patch

Small Scattered Tree

Native vegetation

Woorinen Mallee (EVC 824)

Plains Savannah (EVC 826)

EPBC Act-listed Communities

Plains Mallee Box Woodland of the
Murray Darling Depression, Riverina and
Naracoorte Coastal Plain Bioregions

Potential Plains Mallee Box Woodland

FFG protected species (no of individuals labelled)

▲ Acacia sp (Wattle)

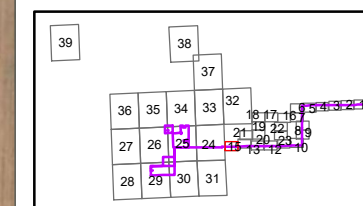
▲ Grevillea huegii (Comb grevillea)

FFG listed species (no of individuals labelled)

▲ Acacia oswaldii (Umbrella Wattle)

Vegetation Protection Overlay - Schedule 1

Native vegetation to be removed



Metres
0 160



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Attachment 2-16: Native vegetation to be removed

Project: Goschen Mineral Sands Project

Client: VHM Exploration Pty Ltd

Date: 11/05/2023

Study area

Impact Area (6m)

Large Scattered Tree

Large Tree in Patch

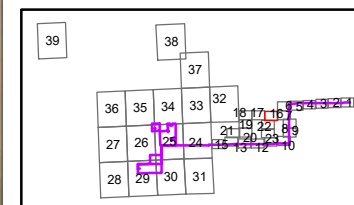
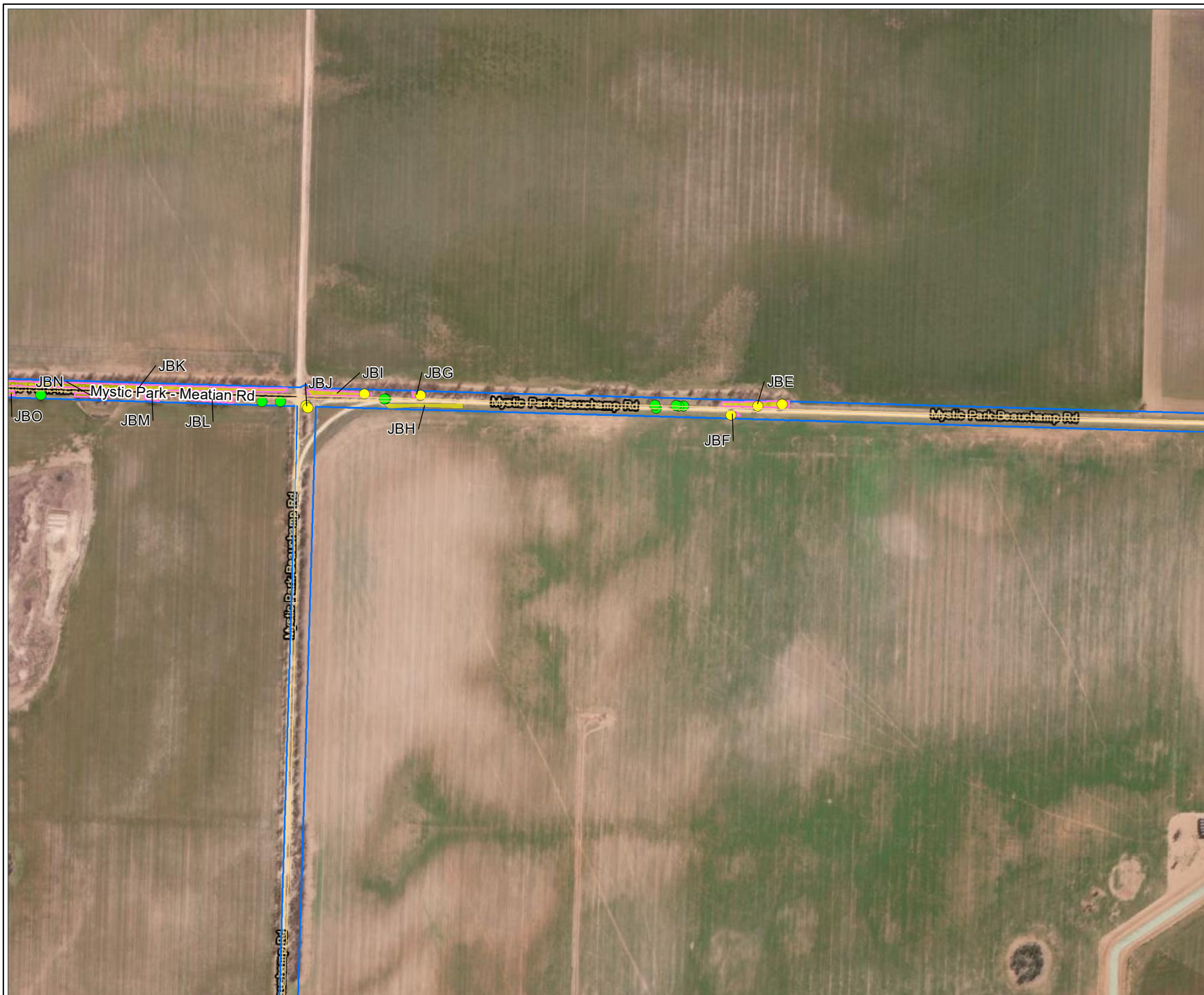
Native vegetation

Woorinen Mallee (EVC 824)

EPBC Act-listed Communities

Plains Mallee Box Woodland of the
Murray Darling Depression, Riverina and
Naracoorte Coastal Plain Bioregions

Native vegetation to be removed



Metres
0 160



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Attachment 2-17: Native vegetation to be removed

Project: Goschen Mineral Sands Project

Client: VHM Exploration Pty Ltd

Date: 11/05/2023

Study area

Impact Area (6m)

Large Scattered Tree

Native vegetation

Woorinen Mallee (EVC 824)

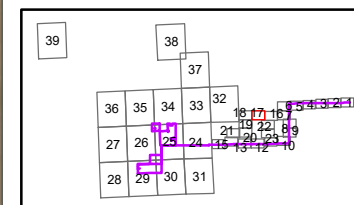
DELWP wetlands

EPBC Act-listed Communities

Plains Mallee Box Woodland of the

Murray Darling Depression, Riverina and Naracoorte Coastal Plain Bioregions

Native vegetation to be removed



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Attachment 2-18: Native vegetation to be removed

Project: Goschen Mineral Sands Project

Client: VHM Exploration Pty Ltd

Date: 11/05/2023

Study area

Impact Area (6m)

Large Scattered Tree

Large Tree in Patch

Native vegetation

Woorinen Mallee (EVC 824)

DELWP wetlands

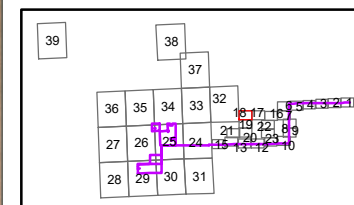
EPBC Act-listed Communities

Plains Mallee Box Woodland of the
Murray Darling Depression, Riverina and
Naracoorte Coastal Plain Bioregions

**FFG listed species (no of individuals
labelled)**

▲ Acacia oswaldii (Umbrella Wattle)

■ Native vegetation to be removed



Metres
0 160



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Attachment 2-19: Native vegetation to be removed

Project: Goschen Mineral Sands Project

Client: VHM Exploration Pty Ltd

Date: 11/05/2023

Study area

Impact Area (6m)

Large Scattered Tree

Native vegetation

Woorinen Mallee (EVC 824)

DELWP wetlands

EPBC Act-listed Communities

Plains Mallee Box Woodland of the

Murray Darling Depression, Riverina and Naracoorte Coastal Plain Bioregions

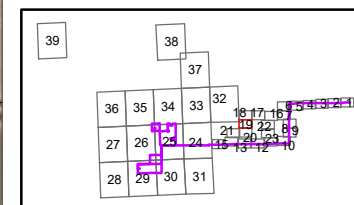
FFG protected species (no of individuals labelled)

▲ Acacia sp (Wattle)

FFG listed species (no of individuals labelled)

▲ Acacia oswaldii (Umbrella Wattle)

Native vegetation to be removed



Metres
0 160



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Attachment 2-20: Native vegetation to be removed

Project: Goschen Mineral Sands Project

Client: VHM Exploration Pty Ltd

Date: 11/05/2023

Study area

Impact Area (6m)

Large Scattered Tree

Native vegetation

Woorinen Mallee (EVC 824)

EPBC Act-listed Communities

Plains Mallee Box Woodland of the Murray Darling Depression, Riverina and Naracoorte Coastal Plain Bioregions

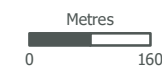
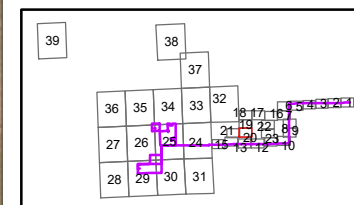
FFG protected species (no of individuals labelled)

Acacia sp (Wattle)

FFG listed species (no of individuals labelled)

Acacia oswaldii (Umbrella Wattle)

Native vegetation to be removed



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Attachment 2-21: Native vegetation to be removed

Project: Goschen Mineral Sands Project

Client: VHM Exploration Pty Ltd

Date: 11/05/2023

Study area

Impact Area (6m)

Large Scattered Tree

Native vegetation

Woorinen Mallee (EVC 824)

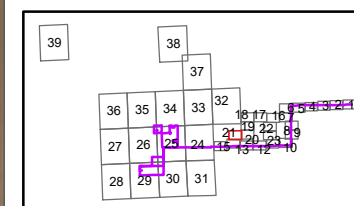
EPBC Act-listed Communities

Plains Mallee Box Woodland of the
Murray Darling Depression, Riverina and
Naracoorte Coastal Plain Bioregions

**FFG protected species (no of
individuals labelled)**

Acacia sp (Wattle)

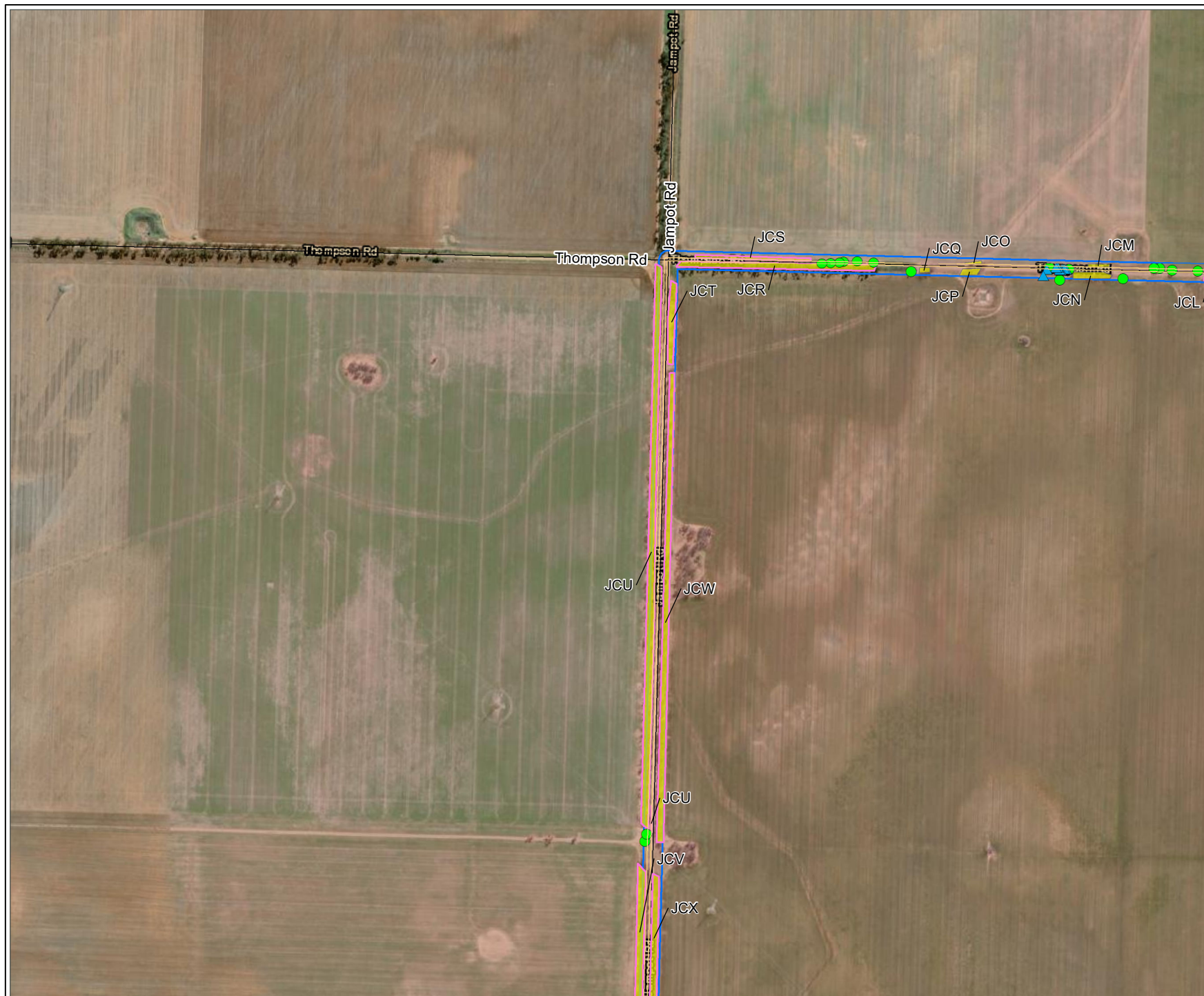
Native vegetation to be removed



Metres
0 160



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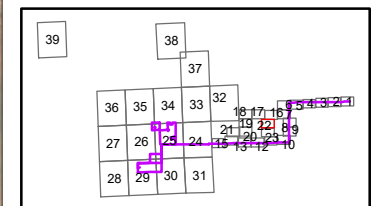
Project: Goschen Mineral Sands Project
Client: VHM Exploration Pty Ltd
Date: 11/05/2023

Project

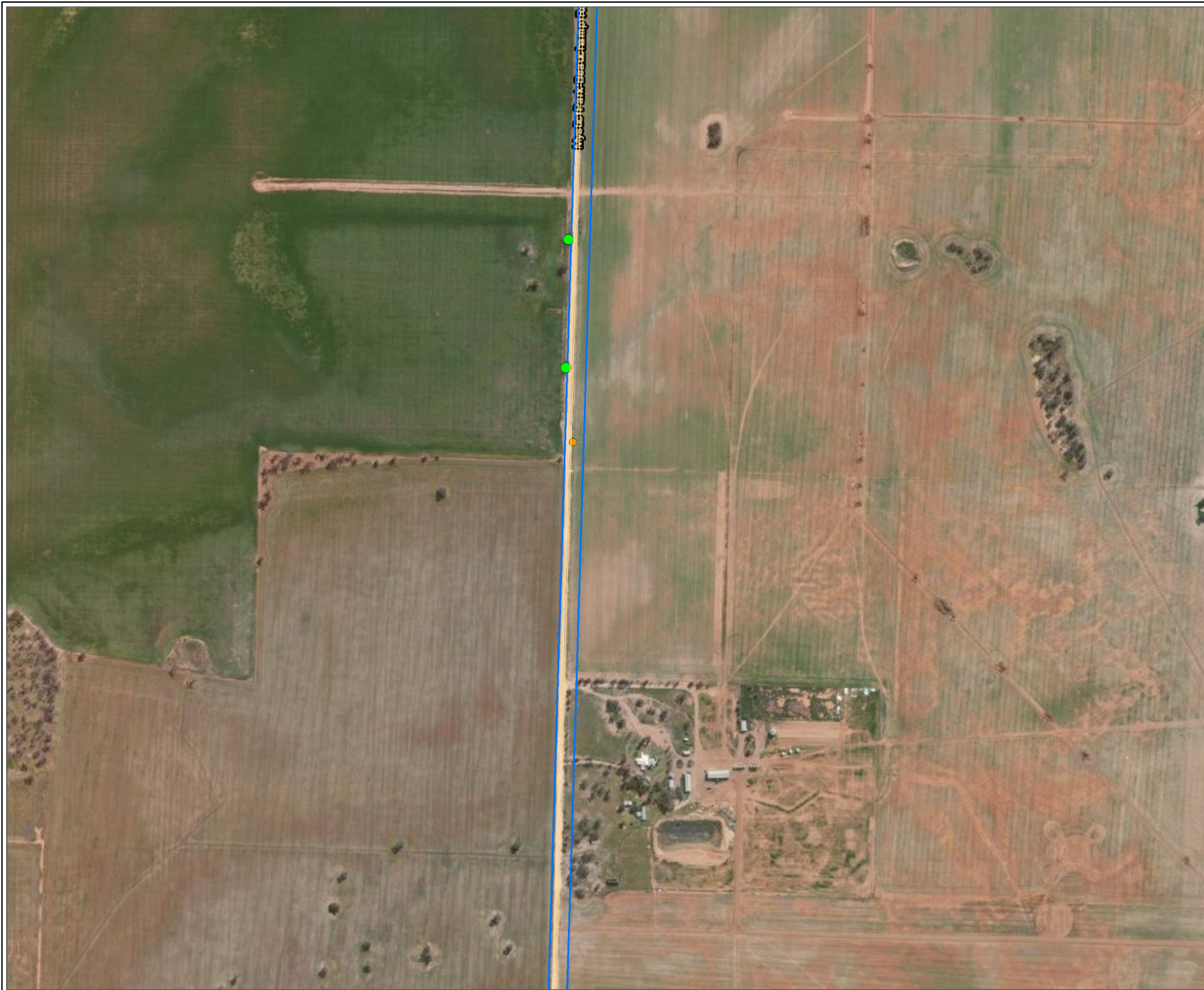
Date: 11/05/2023

Impact Area (6m)

■ Native vegetation to be removed



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Attachment 2-23: Native vegetation to be removed

Project: Goschen Mineral Sands Project

Client: VHM Exploration Pty Ltd

Date: 11/05/2023

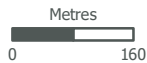
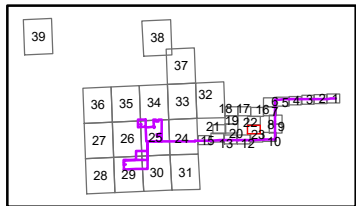
Study area

Impact Area (6m)

Large Scattered Tree

Small Scattered Tree

Native vegetation to be removed



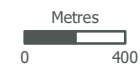
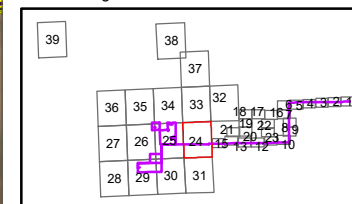
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Advisory**

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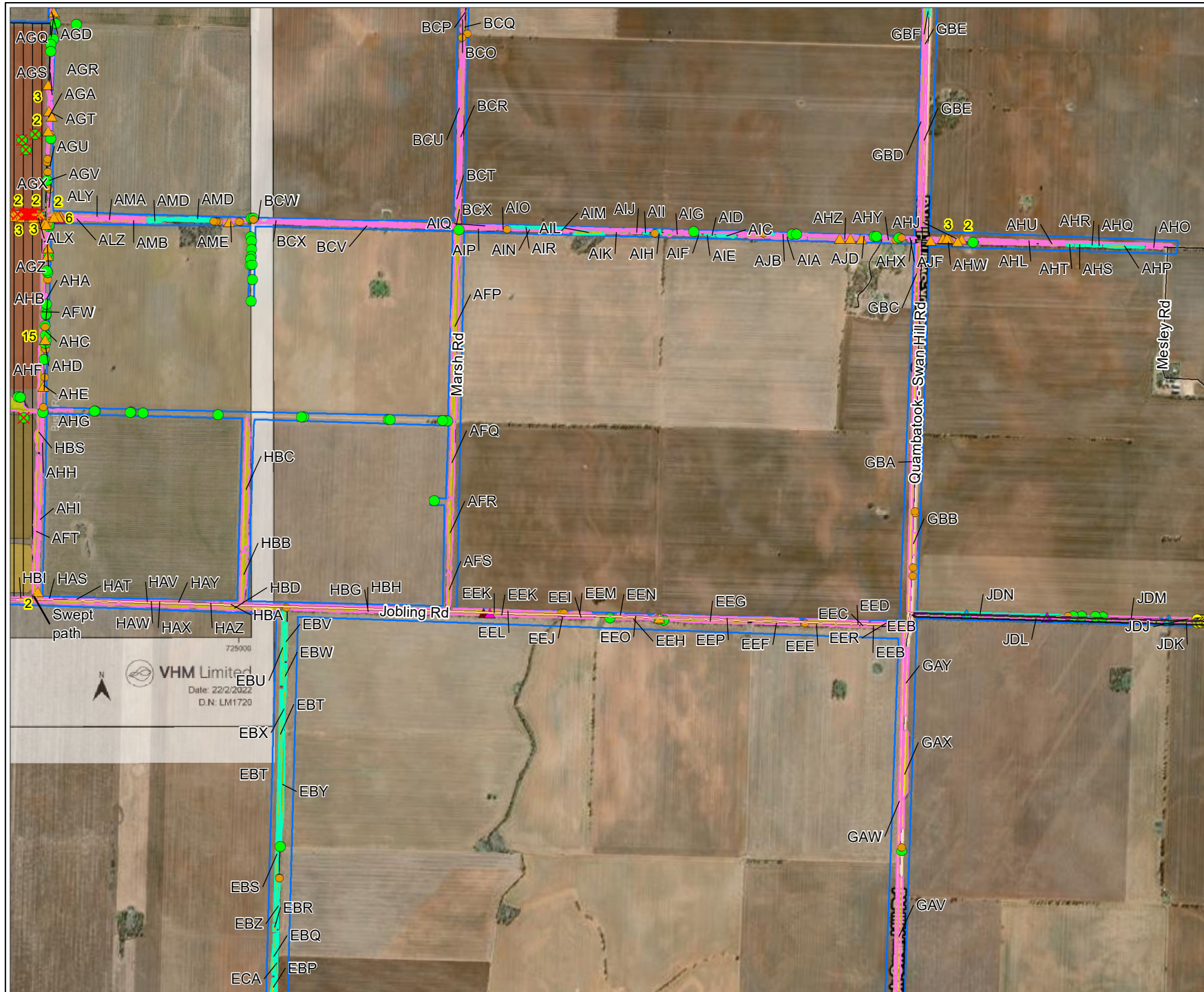
Attachment 2-24: Native vegetation to be removed

Project: Goschen Mineral Sands
Client: VHM Exploration Pty Ltd
Date: 11/05/2023

- Study area
- Pipeline
- Impact Area (6m)
- Swept path
- Large Scattered Tree
- Large Tree in Patch
- Small Scattered Tree
- Native vegetation**
 - Ridged Plains Mallee (EVC 96)
 - Riverine Chenopod Woodland (EVC 103)
 - Woorinen Mallee (EVC 824)
- EPBC Act-listed Communities**
 - Plains Mallee Box Woodland of the Murray Darling Depression, Riverina and Naracorte Coastal Plain Bioregions
 - Potential Plains Mallee Box Woodland
- FFG protected species (no of individuals labelled)**
 - ▲ Acacia sp (Wattle)
 - ▲ Grevillea huegii (Comb grevillea)
- FFG listed species (no of individuals labelled)**
 - ▲ Acacia oswaldii (Umbrella Wattle)
 - ▲ Minuria cunninghamii (Bush Minuria)
 - ▲ Rhagodia parabolica (Fragrant Saltbush)
- Vegetation Protection Overlay - Schedule 1
- X Tree to be removed
- Native vegetation to be removed



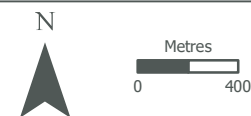
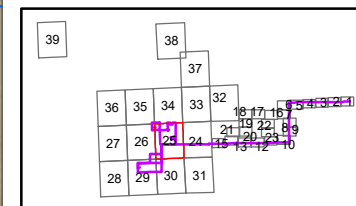
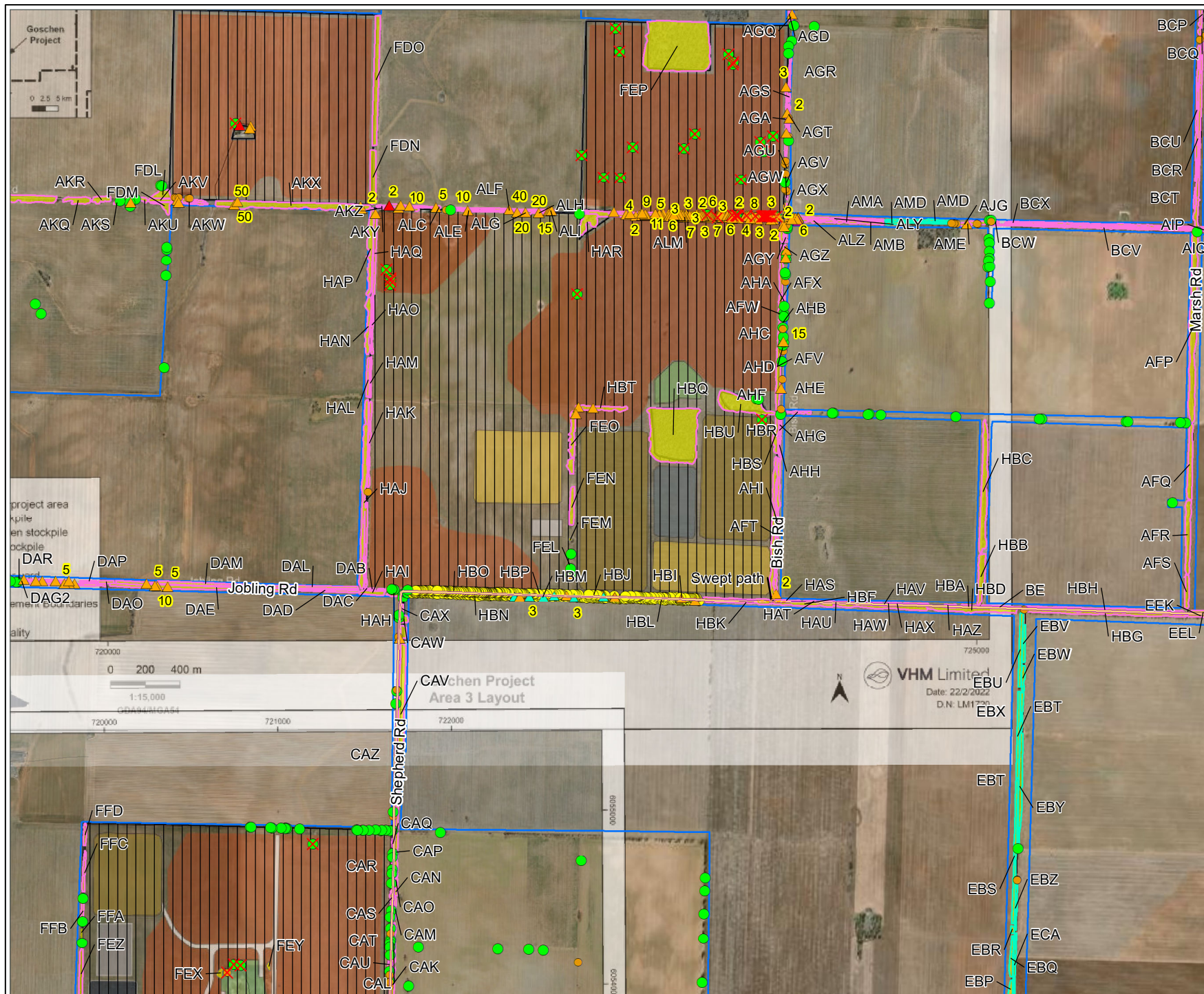
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Attachment 2-25: Native vegetation to be removed

Project: Goschen Mineral Sands
Project:
Client: VHM Exploration Pty Ltd
Date: 11/05/2023

- Study area
- Pipeline
- Impact Area (6m)
- Swept path
- Mine Site
- Large Scattered Tree
- Large Tree in Patch
- Small Scattered Tree
- Native vegetation**
- Woorinen Mallee (EVC 824)
- EPBC Act-listed Communities**
- Plains Mallee Box Woodland of the Murray Darling Depression, Riverina and Naracoorte Coastal Plain Bioregions
- Potential Plains Mallee Box Woodland
- FFG listed species (no of individuals labelled)**
- ▲ Acacia melvillei (Yarran)
- ▲ Acacia oswaldii (Umbrella Wattle)
- ▲ Chenopodium desertorum subsp. desertorum (Frosted Goosefoot)
- ▲ Minuria cunninghamii (Bush Minuria)
- ✕ Tree to be removed
- Native vegetation to be removed

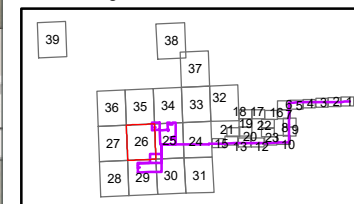


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Attachment 2-26: Native vegetation to be removed

Project: Goschen Mineral Sands Project
Client: VHM Exploration Pty Ltd
Date: 11/05/2023

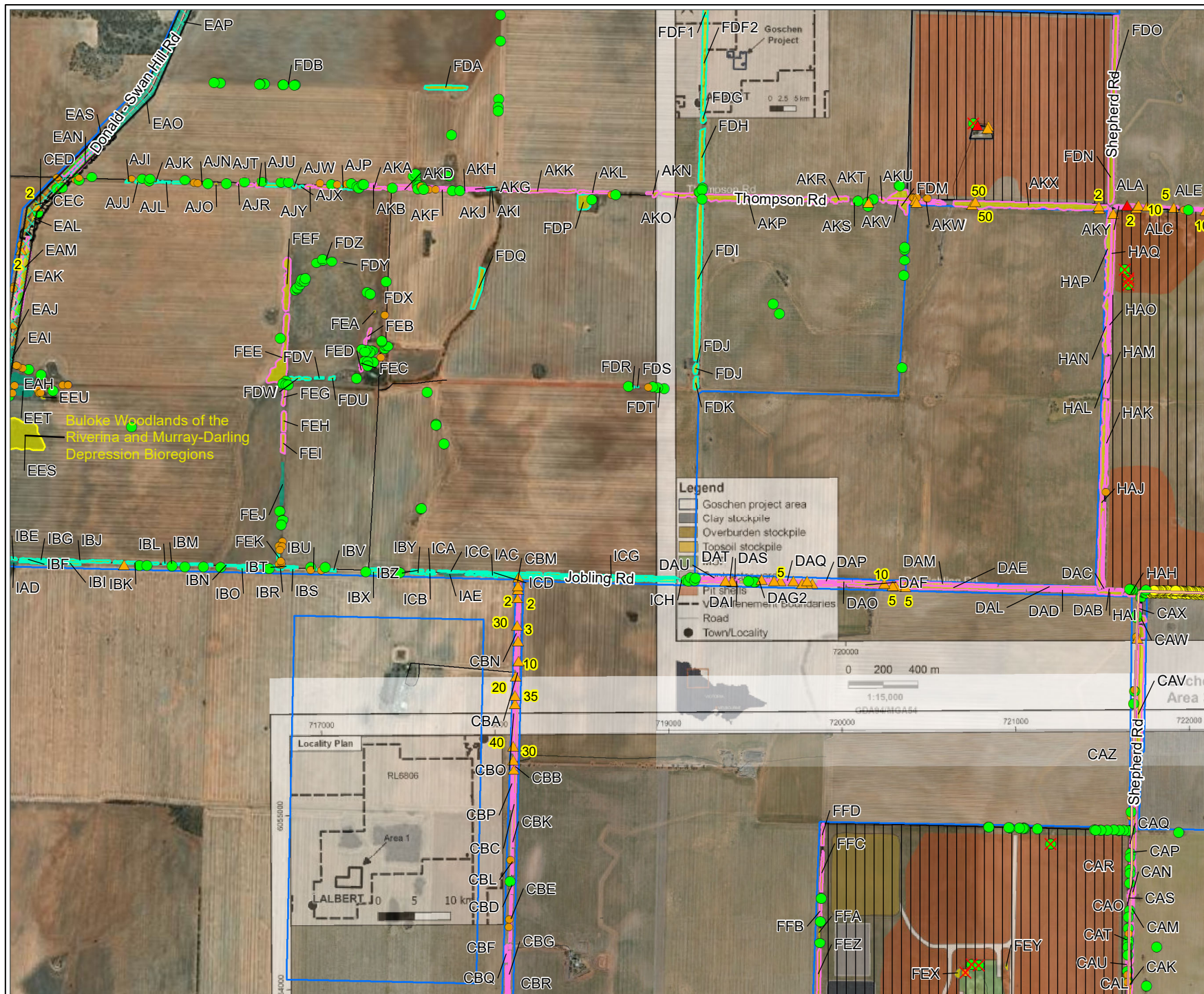
- Study area
- Pipeline
- Impact Area (6m)
- Mine Site
- Large Scattered Tree
- Large Tree in Patch
- Small Scattered Tree
- Native vegetation**
 - Ridged Plains Mallee (EVC 96)
 - Riverine Chenopod Woodland (EVC 103)
 - Woorinen Mallee (EVC 824)
 - Plains Savannah (EVC 826)
- EPBC Act-listed Communities**
 - Buloke Woodlands of the Riverina and Murray-Darling Depression Bioregions
 - Plains Mallee Box Woodland of the Murray Darling Depression, Riverina and Naracoorte Coastal Plain Bioregions
 - Potential Plains Mallee Box Woodland
- FFG listed species (no of individuals labelled)**
 - ▲ Acacia melvillei (Yarran)
 - ▲ Acacia oswaldii (Umbrella Wattle)
 - Environmental Significance Overlay - Schedule 2
 - X Tree to be removed
 - Native vegetation to be removed



Metres
0 400



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Attachment 2-27: Native vegetation to be removed

Project: Goschen Mineral Sands Project

Client: VHM Exploration Pty Ltd

Date: 11/05/2023

Study area

● Large Scattered Tree

● Small Scattered Tree

Native vegetation

■ Ridged Plains Mallee (EVC 96)

■ Riverine Chenopod Woodland (EVC 103)

■ Woorinen Mallee (EVC 824)

■ Plains Savannah (EVC 826)

EPBC Act-listed Communities

■ Buloke Woodlands of the Riverina and Murray-Darling Depression Bioregions

■ Plains Mallee Box Woodland of the Murray Darling Depression, Riverina and Naracoorte Coastal Plain Bioregions

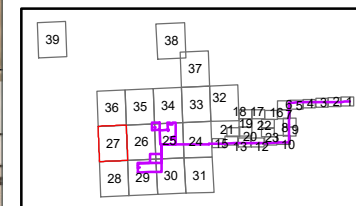
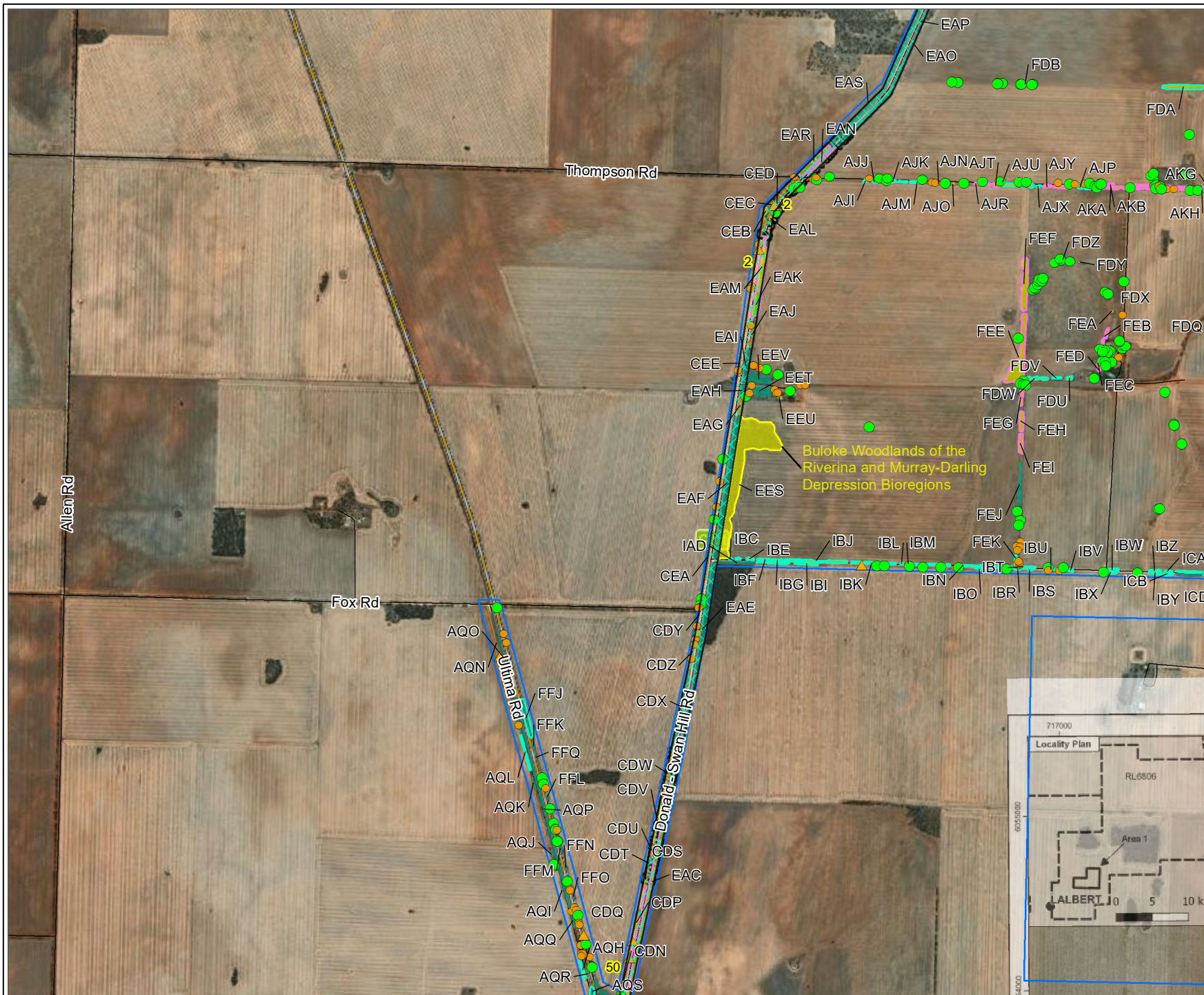
■ Potential Plains Mallee Box Woodland

FFG listed species (no of individuals labelled)

▲ Acacia oswaldii (Umbrella Wattle)

■ Environmental Significance Overlay - Schedule 2

■ Native vegetation to be removed



Metres
0 400

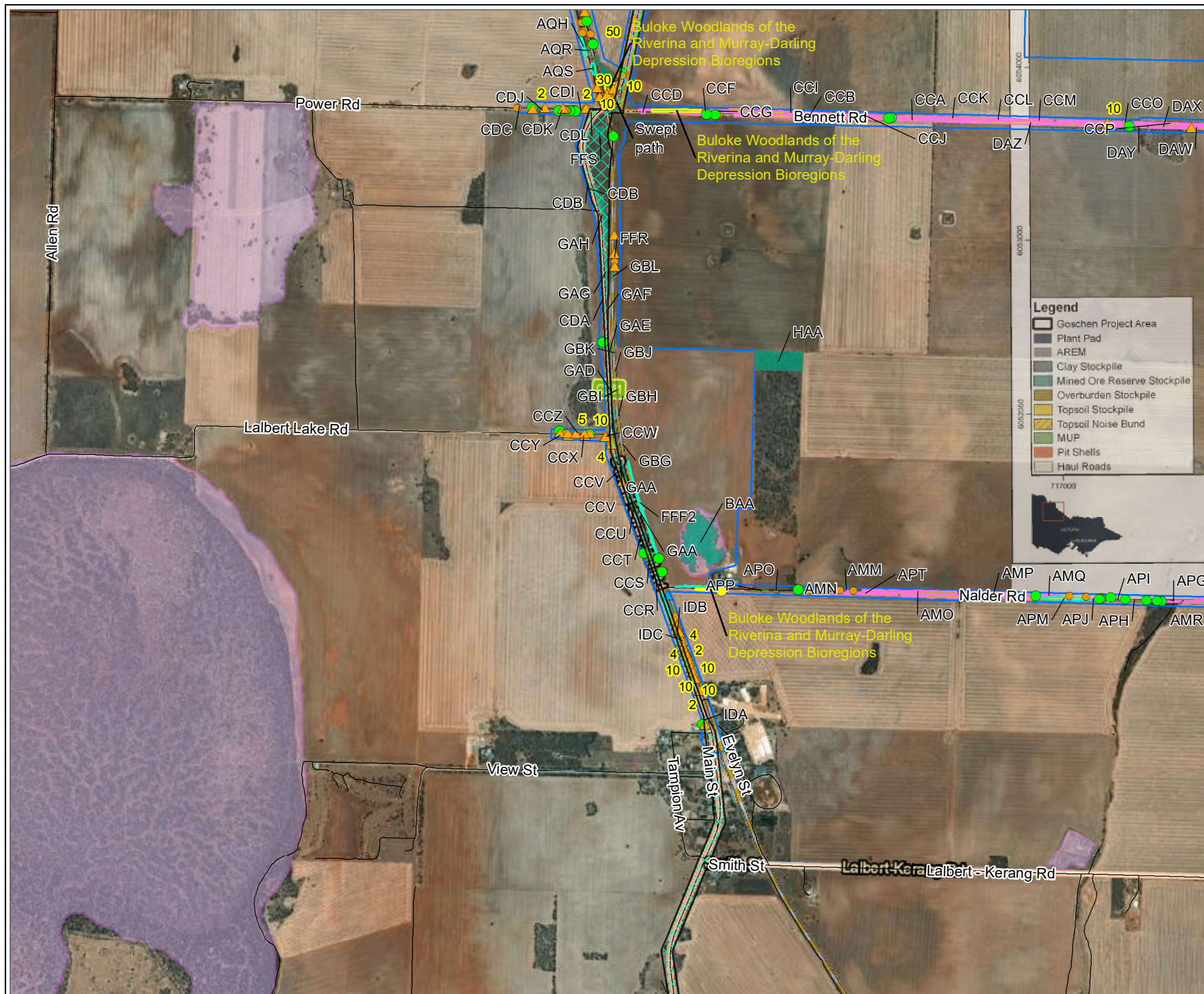
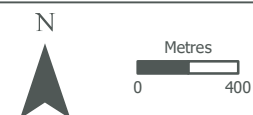
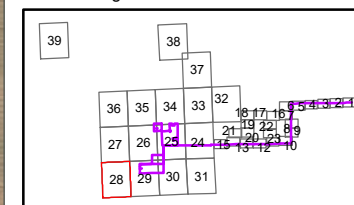
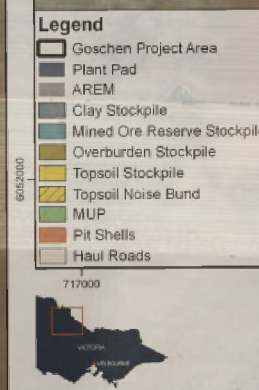


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Attachment 2-28: Native vegetation to be removed

Project: Goschen Mineral Sands Project
Client: VHM Exploration Pty Ltd
Date: 11/05/2023

- Study area
- Swept path
- Large Scattered Tree
- Large Tree in Patch
- Small Scattered Tree
- Native vegetation**
 - Ridged Plains Mallee (EVC 96)
 - Riverine Chenopod Woodland (EVC 103)
 - Woorinen Mallee (EVC 824)
 - Plains Savannah (EVC 826)
 - DELWP wetlands
- EPBC Act-listed Communities**
 - Buloke Woodlands of the Riverina and Murray-Darling Depression Bioregions
 - Plains Mallee Box Woodland of the
 - Murray Darling Depression, Riverina and Naracorte Coastal Plain Bioregions
 - Potential Plains Mallee Box Woodland
- FFG protected species (no of individuals labelled)**
 - ▲ Acacia sp (Wattle)
- FFG listed species (no of individuals labelled)**
 - ▲ Acacia oswaldii (Umbrella Wattle)
- Environmental Significance Overlay - Schedule 2
- Native vegetation to be removed



Project: Goschen Mineral Sands Project
Client: VHM Exploration Pty Ltd
Date: 11/05/2023

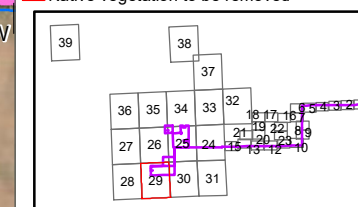
Project: Goschen Mineral Sands Project
Client: VHM Exploration Pty Ltd
Date: 11/05/2023

Native vegetation


-  Ridged Plains Mallee (EVC 96)
-  Riverine Chenopod Woodland (EVC 103)
-  Woorinen Mallee (EVC 824)
-  DELWP wetlands

FFG listed species (no of individuals labelled)

- ▲ Acacia ancistrophylla var. lissophylla (Dwarf Myall)
- ▲ Acacia melvillei (Yarran)
- ▲ Acacia oswaldii (Umbrella Wattle)
- ▲ Chenopodium desertorum subsp. desertorum (Frosted Goosefoot)
- ▲ Rhagodia parabolica (Fragrant Saltbush)
- ✗ Tree to be removed
- Native vegetation to be removed



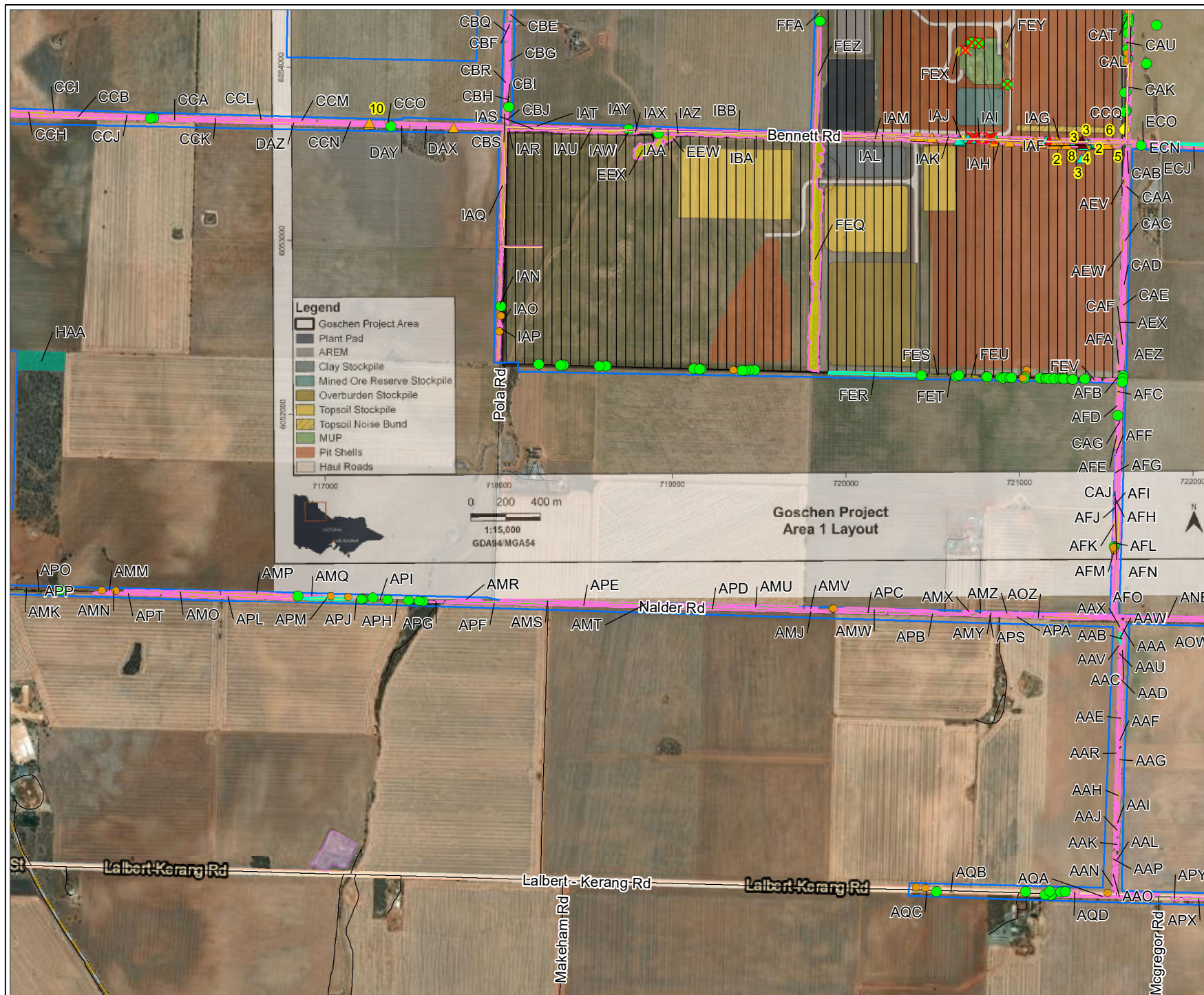
Metres



0 400



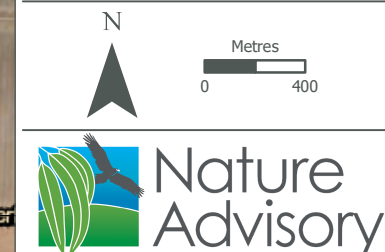
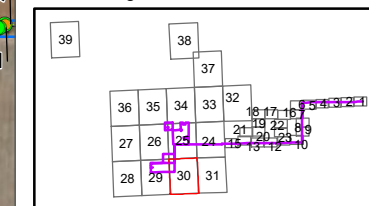
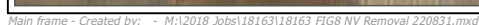
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Project: Goschen Mineral Sands Project
Client: VHM Exploration Pty Ltd
Date: 11/05/2023

Date: 11/05/2023

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Project: Goschen Mineral Sands Project
Client: VHM Exploration Pty Ltd
Date: 11/05/2023

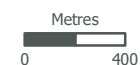
Date: 11/05/2023

- Small Scattered Tree

Woorinen Mallee (EVC 824)

□ Murray Darling Depression, Riverina and Naracoorte Coastal Plain Bioregions

■ Native vegetation to be removed



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Attachment 2-32: Native vegetation to be removed


Project: Goschen Mineral Sands

Project

Client: VHM Exploration Pty Ltd

Date: 11/05/2023

 Study area


 Impact Area (6m)


 Large Scattered Tree

 Large Tree in Patch


 Small Scattered Tree


Native vegetation


 Riverine Chenopod Woodland (EVC 103)

 Woorinen Mallee (EVC 824)

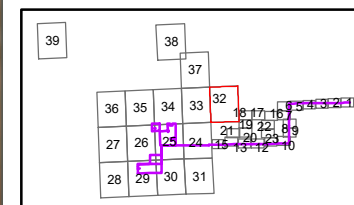
EPBC Act-listed Communities

 Plains Mallee Box Woodland of the
Murray Darling Depression, Riverina and
Naracoorte Coastal Plain Bioregions

 Potential Plains Mallee Box Woodland

 Vegetation Protection Overlay - Schedule
1

 Native vegetation to be removed



N



Metres



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Attachment 2-33: Native vegetation to be removed

Project: Goschen Mineral Sands

Project

Client: VHM Exploration Pty Ltd

Date: 11/05/2023

Study area

Swept path

Large Scattered Tree

Small Scattered Tree

Native vegetation

Ridged Plains Mallee (EVC 96)

Riverine Chenopod Woodland (EVC 103)

Woorinen Mallee (EVC 824)

EPBC Act-listed Communities

Buloke Woodlands of the Riverina and Murray-Darling Depression Bioregions

Plains Mallee Box Woodland of the Murray Darling Depression, Riverina and Naracoorte Coastal Plain Bioregions

Potential Plains Mallee Box Woodland

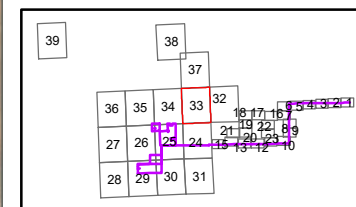
FFG listed species (no of individuals labelled)

▲ *Acacia melvillei* (Yarran)

▲ *Acacia oswaldii* (Umbrella Wattle)

▲ *Chenopodium desertorum* subsp. *desertorum* (Frosted Goosefoot)

■ Native vegetation to be removed

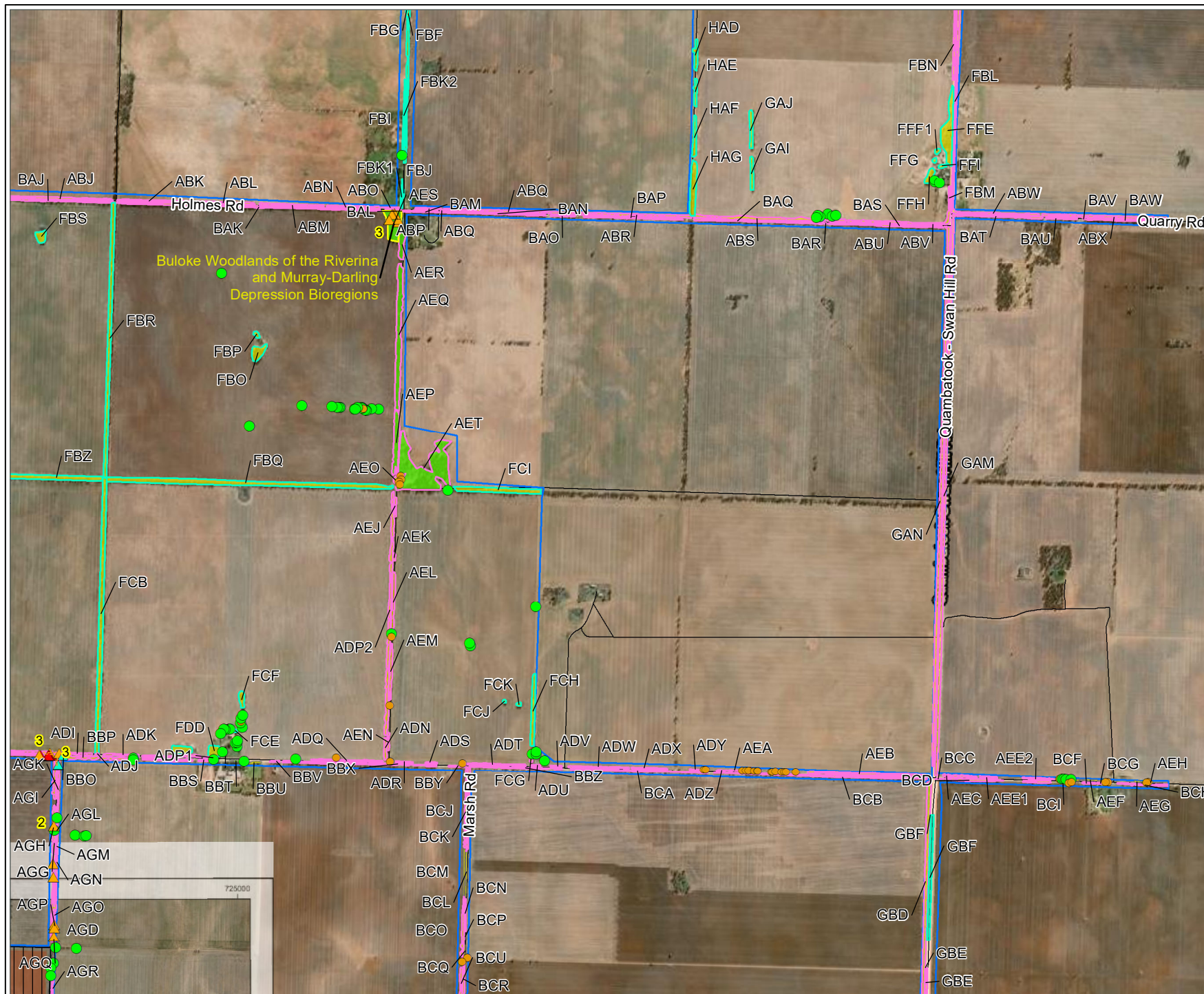


N

Metres
0 400



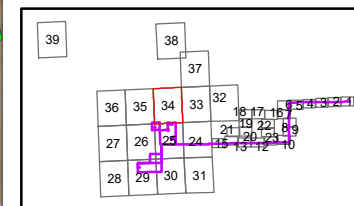
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Attachment 2-34: Native vegetation to be removed

Project: Goschen Mineral Sands Project
Client: VHM Exploration Pty Ltd
Date: 11/05/2023

- Study area
- Swept path
- Large Scattered Tree
- Small Scattered Tree
- Native vegetation**
 - Ridged Plains Mallee (EVC 96)
 - Woorinen Mallee (EVC 824)
- EPBC Act-listed Communities**
 - Buloke Woodlands of the Riverina and Murray-Darling Depression Bioregions
 - Plains Mallee Box Woodland of the Murray Darling Depression, Riverina and Naracoorte Coastal Plain Bioregions
 - Potential Plains Mallee Box Woodland
- FFG listed species (no of individuals labelled)**
 - ▲ *Acacia melvillei* (Yarran)
 - ▲ *Acacia oswaldii* (Umbrella Wattle)
 - ▲ *Chenopodium desertorum* subsp. *desertorum* (Frosted Goosefoot)
 - Vegetation Protection Overlay - Schedule 1
 - ✗ Tree to be removed
 - Native vegetation to be removed



Metres
 0 400



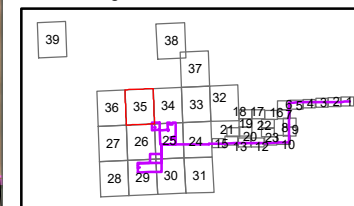
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Attachment 2-35: Native vegetation to be removed

Project: Goschen Mineral Sands Project
Client: VHM Exploration Pty Ltd
Date: 11/05/2023

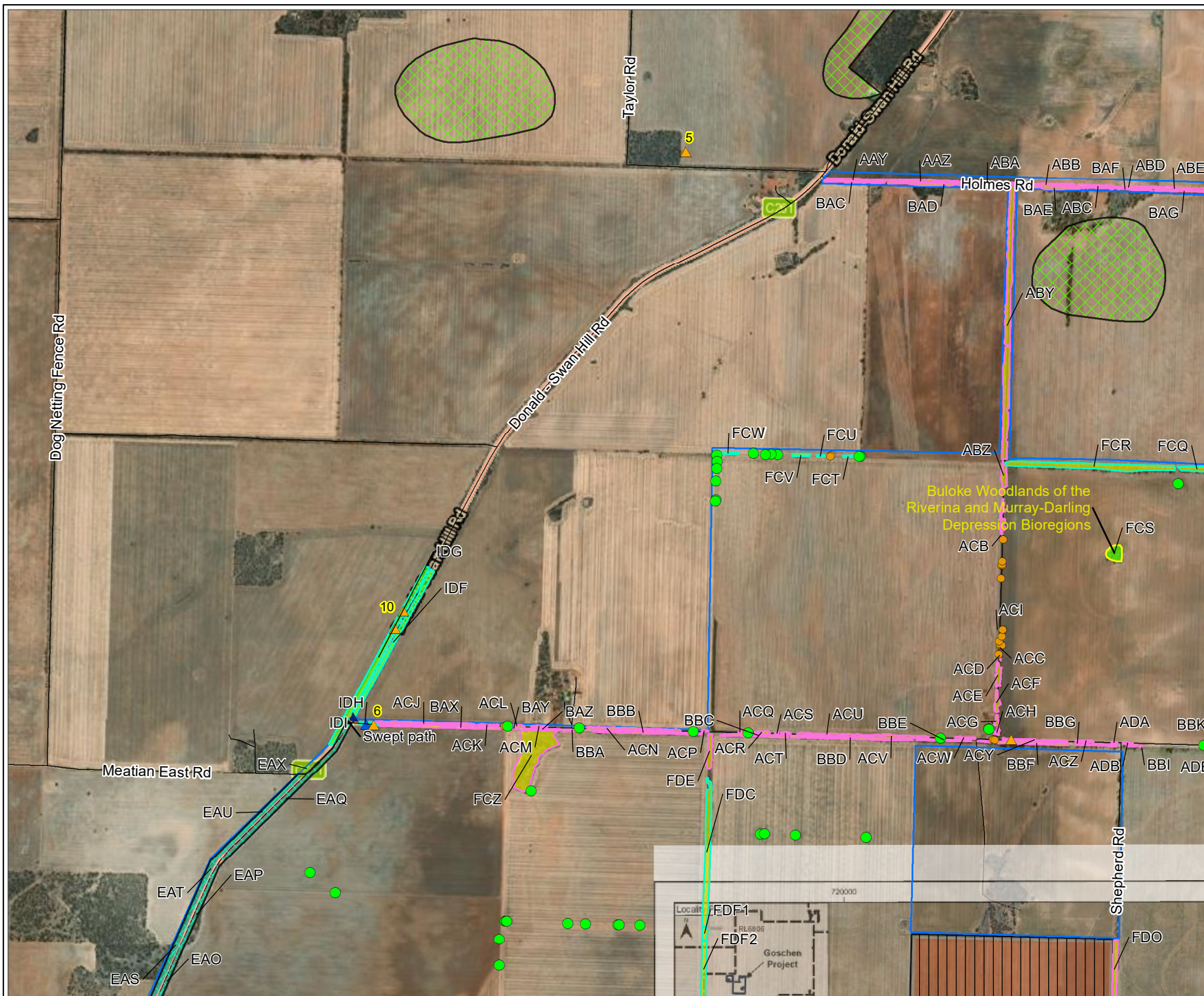
- Study area
- Swept path
- Large Scattered Tree
- Small Scattered Tree
- Native vegetation**
 - Ridged Plains Mallee (EVC 96)
 - Riverine Chenopod Woodland (EVC 103)
 - Woorinen Mallee (EVC 824)
- EPBC Act-listed Communities**
 - Buloke Woodlands of the Riverina and Murray-Darling Depression Bioregions
 - Plains Mallee Box Woodland of the Murray Darling Depression, Riverina and Naracoorte Coastal Plain Bioregions
 - Potential Plains Mallee Box Woodland
- FFG protected species (no of individuals labelled)**
 - ▲ Acacia rigens (Nealie)
 - ▲ Asteraceae (Daisy)
- FFG listed species (no of individuals labelled)**
 - ▲ Acacia oswaldii (Umbrella Wattle)
- Environmental Significance Overlay - Schedule 2
- Vegetation Protection Overlay - Schedule 1
- Native vegetation to be removed



Metres
 0 400



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Attachment 2-36: Native vegetation to be removed

Project: Goschen Mineral Sands Project

Client: VHM Exploration Pty Ltd

Date: 11/05/2023

Study area

Swept path

Large Scattered Tree

Native vegetation

Ridged Plains Mallee (EVC 96)

Riverine Chenopod Woodland (EVC 103)

Woorinen Mallee (EVC 824)

EPBC Act-listed Communities

Plains Mallee Box Woodland of the Murray Darling Depression, Riverina and Naracoorte Coastal Plain Bioregions

Potential Plains Mallee Box Woodland

FFG protected species (no of individuals labelled)

▲ Acacia rigens (Nealie)

▲ Asteraceae (Daisy)

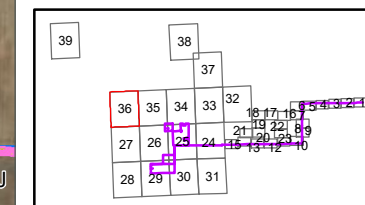
FFG listed species (no of individuals labelled)

▲ Acacia oswaldii (Umbrella Wattle)

Environmental Significance Overlay - Schedule 2

Vegetation Protection Overlay - Schedule 1

Native vegetation to be removed



Metres
0 400



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Attachment 2-37: Native vegetation to be removed

Project: Goschen Mineral Sands Project

Client: VHM Exploration Pty Ltd

Date: 11/05/2023

Study area

Large Scattered Tree

Small Scattered Tree

Native vegetation

Woorinen Mallee (EVC 824)

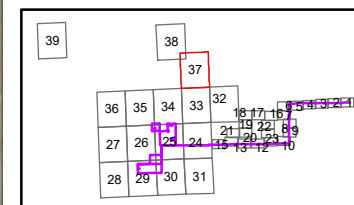
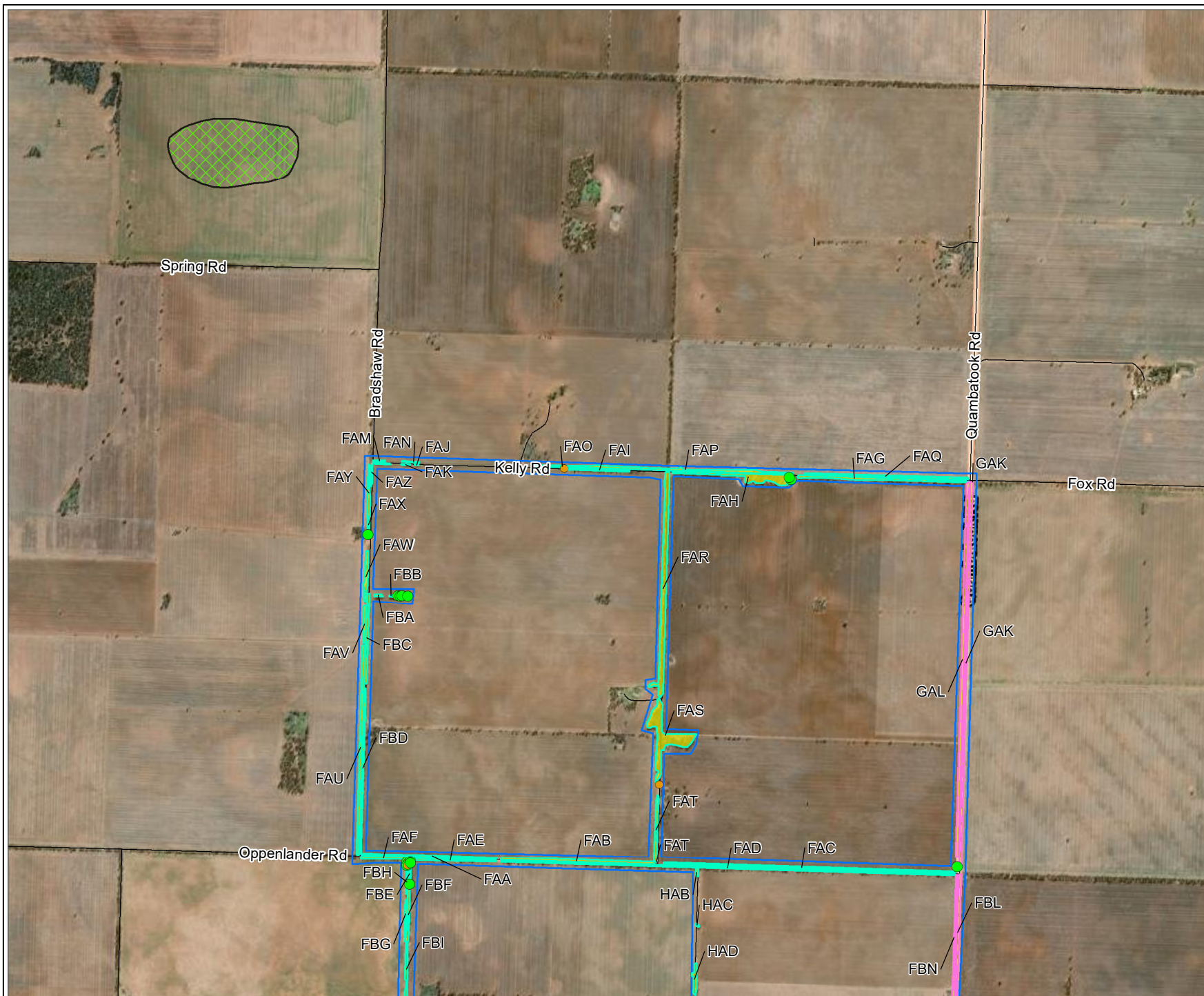
EPBC Act-listed Communities

Plains Mallee Box Woodland of the Murray Darling Depression, Riverina and Narcoorte Coastal Plain Bioregions

Potential Plains Mallee Box Woodland

Vegetation Protection Overlay - Schedule 1

Native vegetation to be removed



Metres
0 400



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Attachment 2-38: Native vegetation to be removed

Project: Goschen Mineral Sands Project
Client: VHM Exploration Pty Ltd
Date: 11/05/2023

Study area

Swept path

Native vegetation

Ridged Plains Mallee (EVC 96)

Woorinen Mallee (EVC 824)

EPBC Act-listed Communities

Potential Plains Mallee Box Woodland

FFG protected species (no of individuals labelled)

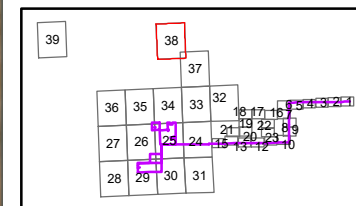
▲ Asteraceae (Daisy)

FFG listed species (no of individuals labelled)

▲ Minuria cunninghamii (Bush Minuria)

Vegetation Protection Overlay - Schedule 1

Native vegetation to be removed



Metres
0 400



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Attachment 2-39: Native vegetation to be removed

Project: Goschen Mineral Sands Project

Client: VHM Exploration Pty Ltd

Date: 11/05/2023

Study area

Swept path

Large Tree in Patch

Small Scattered Tree

Native vegetation

Ridged Plains Mallee (EVC 96)

Semi-arid Woodland (EVC 97)

Woorinen Mallee (EVC 824)

Plains Savannah (EVC 826)

EPBC Act-listed Communities

Potential Plains Mallee Box Woodland

FFG protected species (no of individuals labelled)

▲ Acacia hakeoides (Hakea Wattle)

▲ Acacia sp (Wattle)

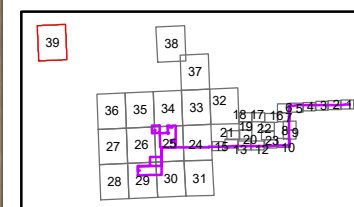
▲ Asteraceae (Daisy)

FFG listed species (no of individuals labelled)

▲ Acacia oswaldii (Umbrella Wattle)

■ Vegetation Protection Overlay - Schedule 1

■ Native vegetation to be removed



N

Metres
0 400



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