

# Appendix A Figures

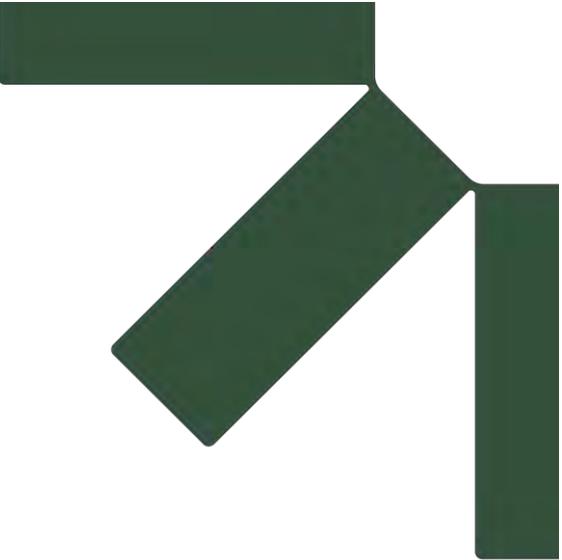
## Detailed Flora and Vegetation Assessment

Turner River Consolidated

Fortescue Ltd

SLR Project No.: 675.72502.00001

5 February 2025



**Figure 1: Turner River Consolidated Project Area**

**Figure 2: Soil Landscapes, Land systems, and Hydrography**

**Figure 3: Broad Vegetation Associations**

**Figure 4: Conservation and Environmentally Sensitive Areas**

**Figure 5: Previous Surveys in the Locality**

**Figure 6: Survey Effort**

**Figure 7: Significant Flora and Communities Identified by the DBCA Database Searches**

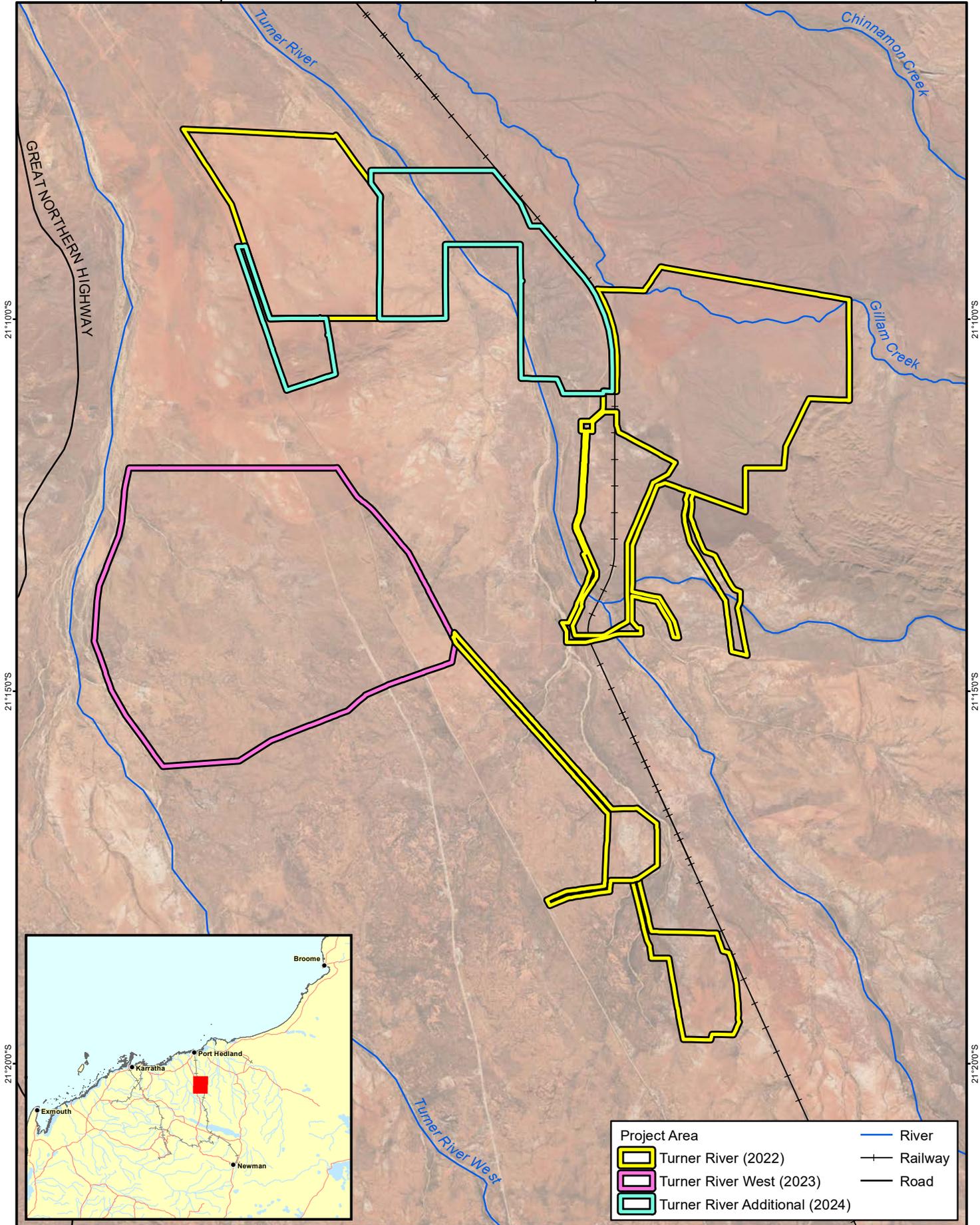
**Figure 8: Vegetation Mapping and Flora of Significance within the Project Area**

**Figure 9: Fire History in the Locality**

**Figure 10: Vegetation Condition and Introduced Flora within the Project Area**

118°45'0"E

118°50'0"E



21°10'0"S

21°10'0"S

21°15'0"S

21°15'0"S

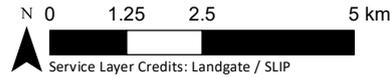
21°20'0"S

21°20'0"S

Project Area	River
Turner River (2022)	Railway
Turner River West (2023)	Road
Turner River Additional (2024)	



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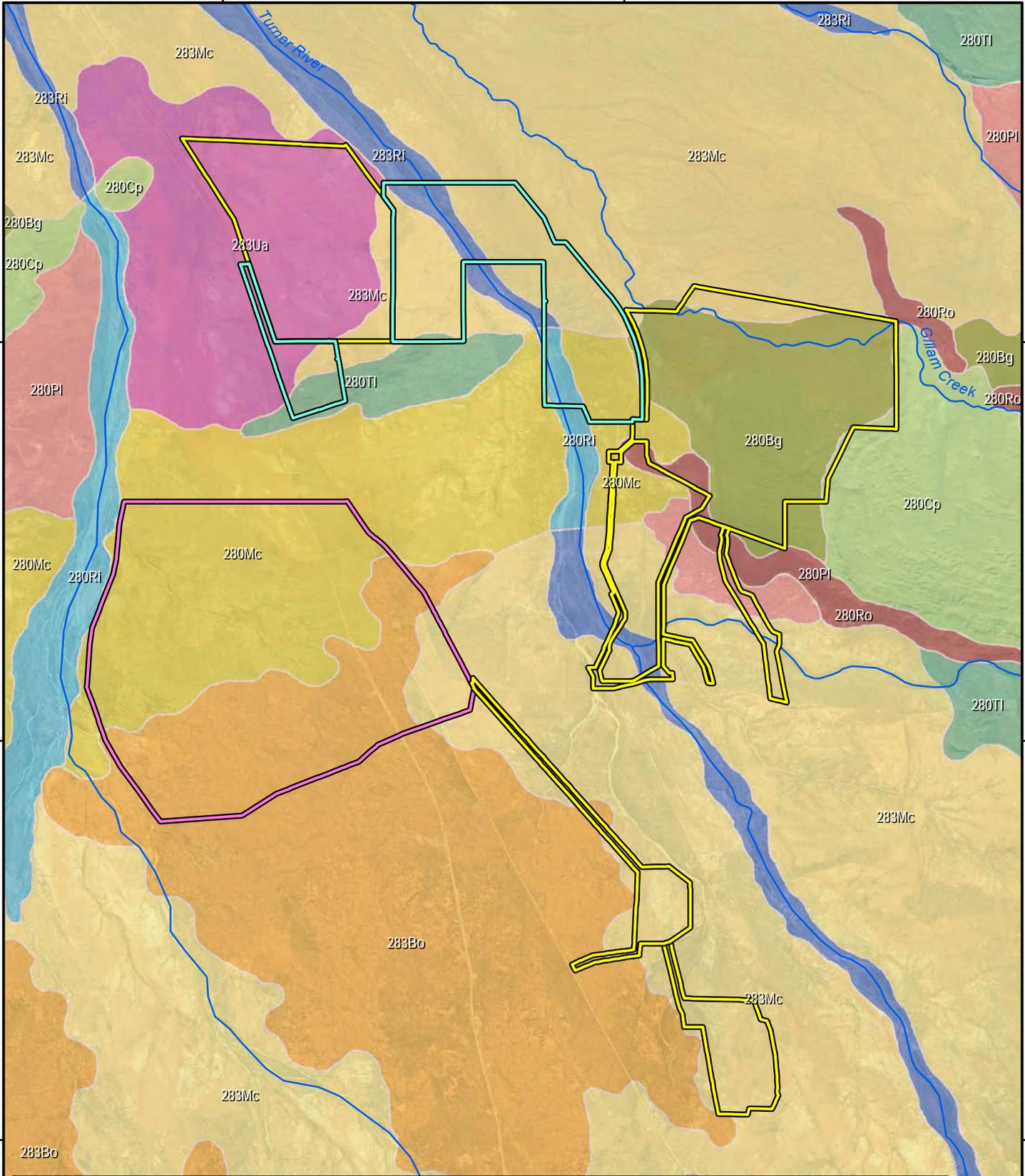


Coordinate System: GCS GDA 1994  
 Scale : 1:125,000 @ A4  
 Project Number : 675.072502  
 Date Drawn : 28/11/2024  
 Drawn By : Environmaps  
 Reviewed By : SC

Fortescue  
 Turner River Consolidated  
 Detailed Flora and Vegetation

Project Area  
 FIGURE 1

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Project Area		Soil Landscape Mapping		280PI: Platform System		283Bo: Boolaloo System	
	Turner River (2022)		280Bg: Boolgeeda System		280Ri: River System		283Mc: Macroy System
	Turner River West (2023)		280Cp: Capricorn System		280Ro: Robe System		283Ri: River System
	Turner River Additional (2024)		280Mc: Macroy System		280TI: Talga System		283Ua: Uaroo System
	River						



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N 0 1.25 2.5 5 km  
 Service Layer Credits: Landgate / SLIP  
 Soil Landscape Mapping - DPIRD  
 Coordinate System: GCS GDA 1994  
 Scale : 1:125,000 @ A4  
 Project Number : 675.072502  
 Date Drawn : 28/11/2024  
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Fortescue  
 Turner River Consolidated  
 Detailed Flora and Vegetation  
 Soil Landscape and Hydrography  
 FIGURE 2

118°45'0"E

118°50'0"E

619

82

626

626

93

619

82

619

93

21°10'0"S

21°10'0"S

21°15'0"S

21°15'0"S

21°20'0"S

21°20'0"S

Turner River

Gillan Creek

**Project Area**

-  Turner River (2022)
-  Turner River West (2023)
-  Turner River Additional (2024)

-  River
-  Railway
-  Road

**Pre-European Vegetation**

-  ABYDOS PLAIN - CHICHESTER\_619
-  ABYDOS PLAIN - CHICHESTER\_626
-  ABYDOS PLAIN - CHICHESTER\_93
-  GEORGE RANGES\_82



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N 0 1.25 2.5 5 km

Service Layer Credits: Landgate / SLIP  
 Pre-European Vegetation, DPIRD\_006  
 Coordinate System: GCS GDA 1994  
 Scale : 1:125,000 @ A4  
 Project Number : 675.072502  
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 Turner River Consolidated  
 Detailed Flora and Vegetation

Broad Vegetation Types  
 FIGURE 3

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118°0'0"E

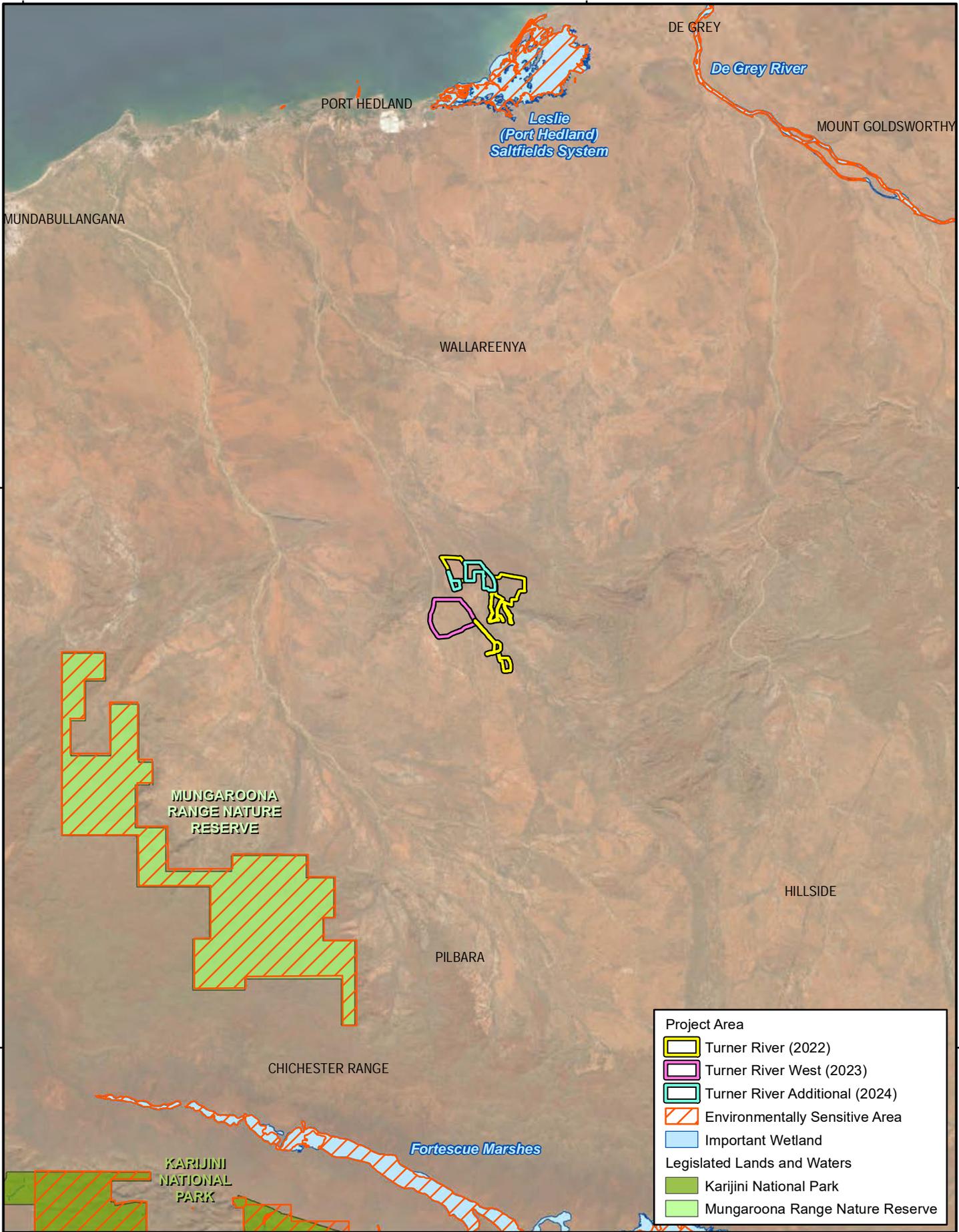
119°0'0"E

21°0'0"S

21°0'0"S

22°0'0"S

22°0'0"S



**Project Area**

- Turner River (2022)
- Turner River West (2023)
- Turner River Additional (2024)
- Environmentally Sensitive Area
- Important Wetland

**Legislated Lands and Waters**

- Karjini National Park
- Mungaroon Range Nature Reserve

N 0 10 20 40 km

Service Layer Credits: Landgate / SLIP  
 Legislated Lands & Waters - DBCA  
 Coordinate System: GCS GDA 1994  
 Scale : 1:1,000,000 @ A4  
 Project Number : 675.072502  
 Date Drawn : 28/11/2024  
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Fortescue  
 Turner River Consolidated  
 Detailed Flora and Vegetation  
 Conservation and  
 Environmentally Sensitive Areas  
**FIGURE 4**

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GREAT NORTHERN HIGHWAY

WALLAREENYA

21°0'0"S

21°0'0"S

Previous Surveys

Company (Year) Report Title

- 360 Environmental (2022) - North Star Junction Flora and Vegetation Assessment
- Biota Environmental Sciences (2004) - Vegetation and Flora Survey of the Proposed FMG Stage A Rail Corridor
- Coffey Environments (2006) - Supplementary Vegetation and Flora Surveys of the Port Hedland to Cloudbreak Rail Corridor and Associated Borrow Pits and Infrastructure
- Coffey Environments (2014) - North Star Alternate Access Road, Flora and Vegetation Assessment
- Ecologia Environment (2011) - Canning Basin Borefield and Pipeline Flora and Vegetation Assessment
- Ecologia Environment (2011) - North Star Vegetation and Flora Assessment
- Ecologia Environment (2012) - North Star Access Corridor Flora and Fauna Assessment
- Ecologia Environment (2014) - North Star Acceleration Lane - Vegetation and habitat mapping
- Ecologia Environment (2014) - North Star Filtration Plant Relocation. Flora, Vegetation, Vertebrate Fauna and Fauna Habitat Assessment.
- Ecologia Environment (2015) - North Star Airstrip Flora Level 2 and Fauna Level 1 Assessment
- Ecologia Environment (2015) - North Star Slurry and Infrastructure Corridors, Conservation Significant Flora and Vegetation Assessment
- Ecologia Environment (2018) - Tabba Tabba: Flora and Vegetation Assessment
- Ecologia Environment (2018) - Wallareenya and Strelley Station Detailed Flora and Vegetation Survey
- Ecologia Environment (2022) - Quoya zonalis targeted flora survey at West Star Iron Bridge (Priority 1 area)
- Ecologia Environment (2023) - Ecologia Environment (2023) North Star Extension Targeted Flora Assessment. Report prepared for FMG Iron Bridge (Aust) Pty Ltd.
- Ecologia (2016) - North Star Water Corridor Targeted Significant Flora and Vegetation Survey
- Ecoscape (Australia) Pty Ltd (2018) - Glacier Valley Extension Flora and Vegetation Survey, North Star Project
- Ecoscape (Australia) Pty Ltd (2020) - North Star Extension Flora and Vegetation Survey
- Ecoscape (Australia) Pty Ltd (2020) - Pippingarra and Wodgina Roads: Flora and Fauna Survey
- Ecoscape (2019) - Pilbara Transmission Project Targeted Flora and Fauna Survey
- Ecoscape (2021) - North Star Junction Flora and Fauna Assessments
- Outback Ecology (2014) - Wodgina DSO Project Flora and Vegetation Assessment
- Spectrum Ecology (2020) - Quoya Zonalis Targeted Flora Survey
- Spectrum Ecology (2020) - Targeted Flora and Vegetation Survey, Iron Bridge
- Spectrum Ecology (2021) - Shooting Star & South Star Quoya zonalis Targeted Flora Survey, Iron Bridge
- Spectrum Ecology (2022) - Shooting Star Targeted Quoya zonalis Survey

- Project Area**
- Turner River (2022)
  - Turner River West (2023)
  - Turner River Additional (2024)
  - Road
  - Railway



0 5 10 20 km

Service Layer Credits: Landgate / SLIP  
 Legislated Lands & Waters - DBCA  
 Coordinate System: GCS GDA 1994  
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Fortescue  
 Turner River Consolidated  
 Detailed Flora and Vegetation

Previous Surveys in the Locality  
 FIGURE 5

118°46'0"E

118°48'0"E

21°30'0"S

21°30'0"S

21°30'0"S

21°30'0"S

21°30'0"S

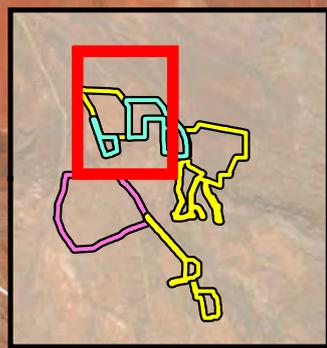
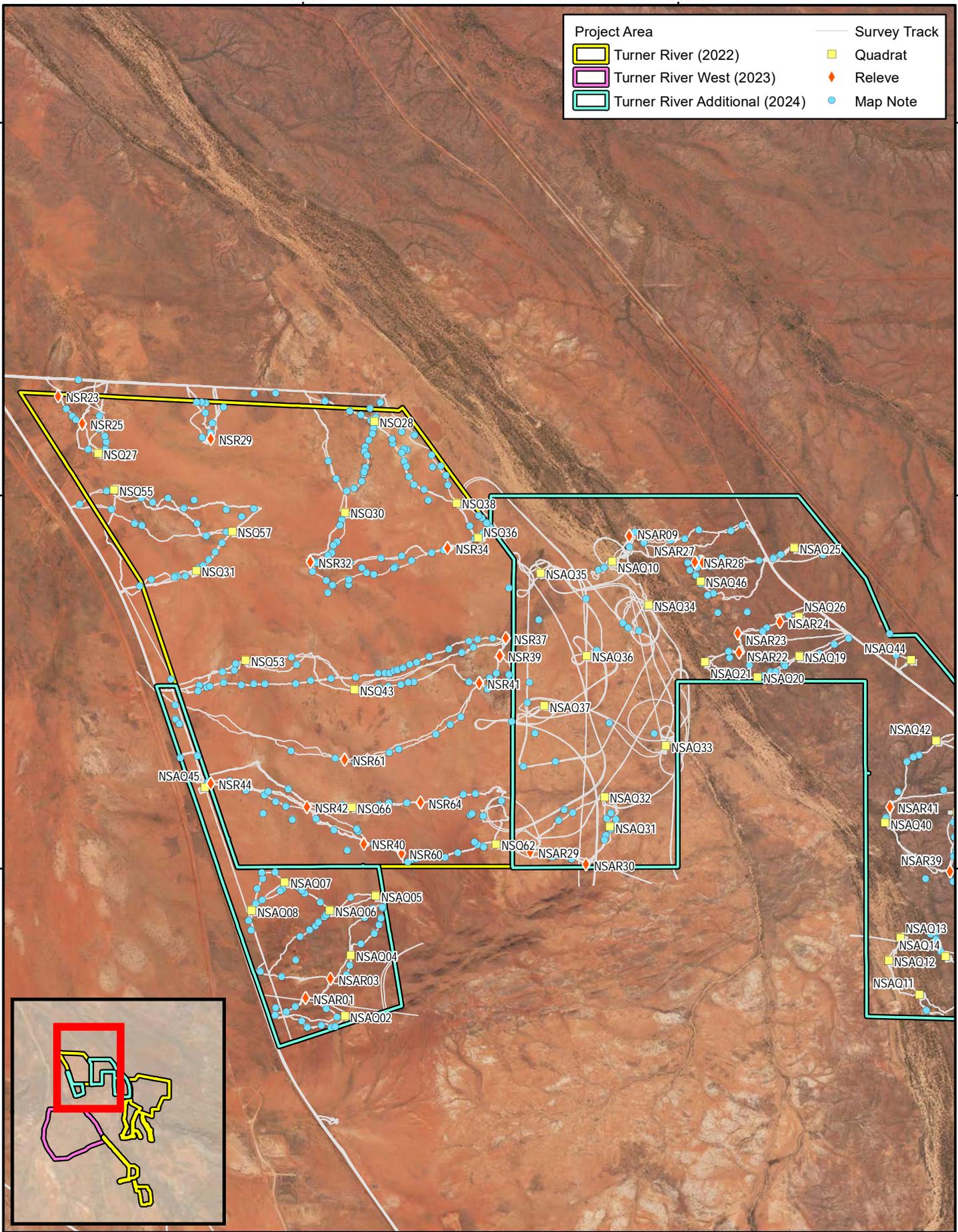
21°30'0"S

**Project Area**

- Turner River (2022)
- Turner River West (2023)
- Turner River Additional (2024)

**Survey Track**

- Quadrat
- ◆ Releve
- Map Note



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 Project Number : 675.072502  
 Date Drawn : 29/11/2024  
 Drawn By : Environmaps  
 Reviewed By : SC

**Fortescue  
 Turner River Consolidated  
 Detailed Flora and Vegetation**

**Survey Effort  
 FIGURE 6A**

118°50'0"E

118°52'0"E

21°10'0"S

21°10'0"S

21°12'0"S

21°12'0"S

21°14'0"S

21°14'0"S

**Project Area**

- Turner River (2022)
- Turner River West (2023)
- Turner River Additional (2024)

**Survey Track**

- Quadrat
- ◆ Releve
- Map Note



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N 0 0.5 1 2 km

Service Layer Credits: Landgate / SLIP  
Soil Landscape Mapping - DPIRD

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Scale : 1:50,000 @ A4  
Project Number : 675.072502  
Date Drawn : 29/11/2024  
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Fortescue  
Turner River Consolidated  
Detailed Flora and Vegetation

Survey Effort  
FIGURE 6B

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118°44'0"E

118°46'0"E

118°48'0"E

21°12'0"S

21°12'0"S

21°14'0"S

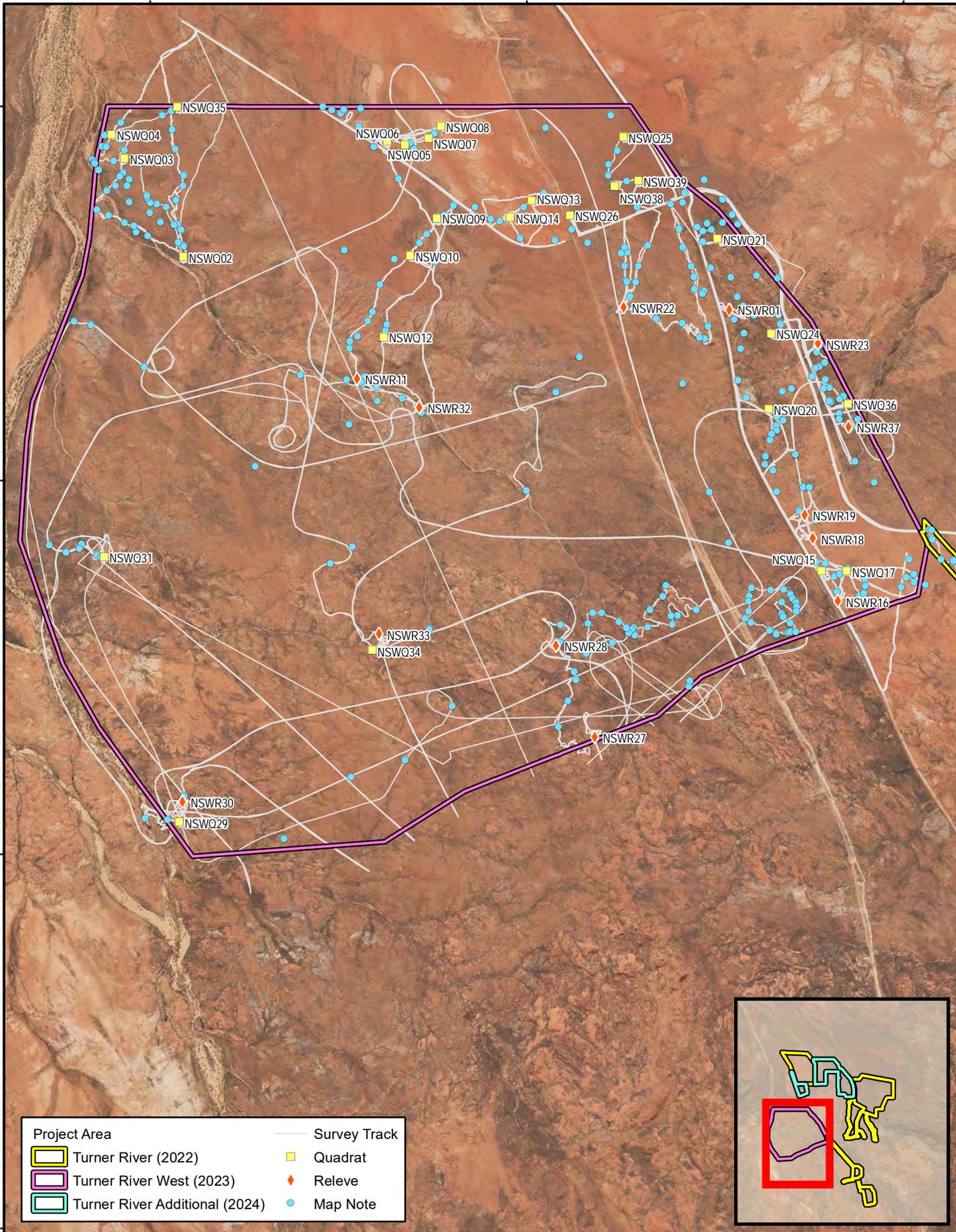
21°14'0"S

21°16'0"S

21°16'0"S

21°18'0"S

21°18'0"S



<b>Project Area</b>	— Survey Track
Turner River (2022)	Quadrat
Turner River West (2023)	Releve
Turner River Additional (2024)	Map Note

N 0 0.5 1 2 km

Service Layer Credits: Landgate / SLIP  
 Soil Landscape Mapping - DPIRD  
 Coordinate System: GCS GDA 1994  
 Scale : 1:50,000 @ A4  
 Project Number : 675.072502  
 Date Drawn : 29/11/2024  
 Drawn By : Environmaps  
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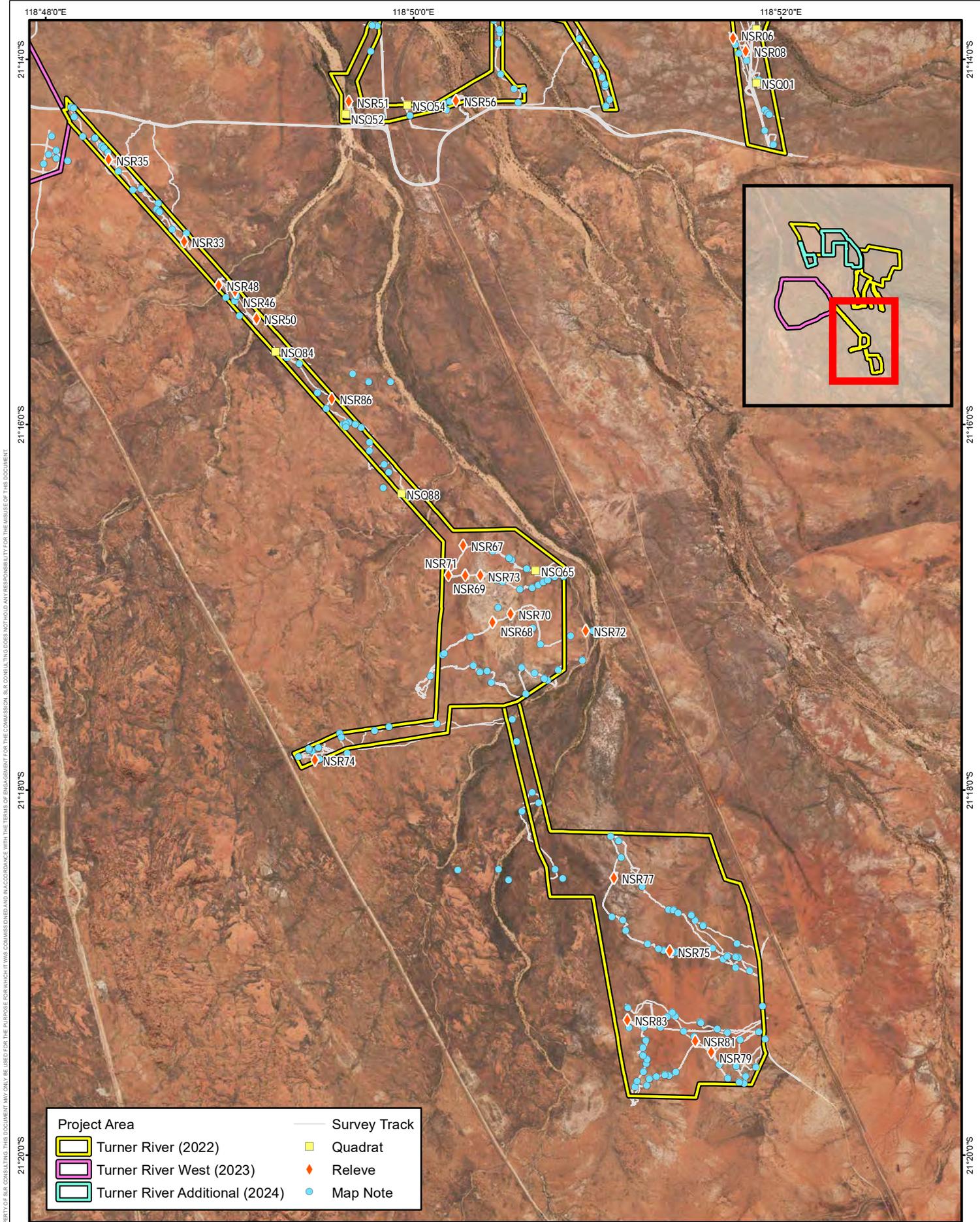


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Fortescue  
 Turner River Consolidated  
 Detailed Flora and Vegetation

Survey Effort  
 FIGURE 6C

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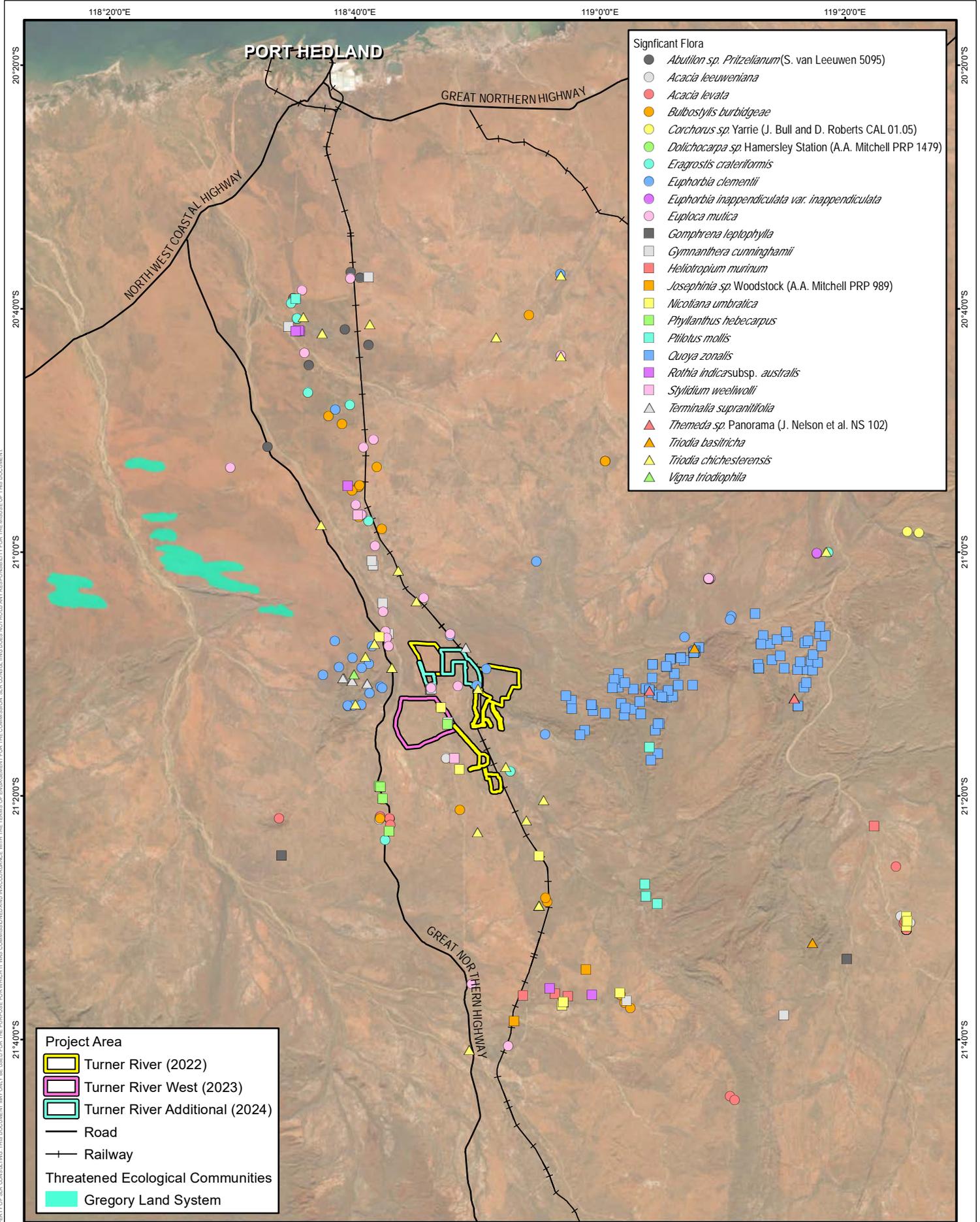


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N 0 0.5 1 2 km  
 Service Layer Credits: Landgate / SLIP  
 Soil Landscape Mapping - DPIRD  
 Coordinate System: GCS GDA 1994  
 Scale : 1:50,000 @ A4  
 Project Number : 675.072502  
 Date Drawn : 29/11/2024  
 Drawn By : Environmaps  
 Reviewed By : SC

Fortescue  
 Turner River Consolidated  
 Detailed Flora and Vegetation

Survey Effort  
 FIGURE 6D



- Significant Flora**
- *Abutilon* sp. *Pritzellanum* (S. van Leeuwen 5095)
  - *Acacia leeuweniana*
  - *Acacia levata*
  - *Bulbostylis burbridgeae*
  - *Corchorus* sp. Yarrie (J. Bull and D. Roberts CAL 01.05)
  - *Dolichocarpa* sp. Hamersley Station (A.A. Mitchell PRP 1479)
  - *Eragrostis crateriformis*
  - *Euphorbia clementii*
  - *Euphorbia inappendiculata* var. *inappendiculata*
  - *Euploca multica*
  - *Gomphrena leptophylla*
  - *Gymnanthera cunninghamii*
  - *Heliotropium murinum*
  - *Josephinia* sp. Woodstock (A.A. Mitchell PRP 989)
  - *Nicotiana umbratica*
  - *Phyllanthus hebecarpus*
  - *Ptilotus mollis*
  - *Quoya zonalis*
  - *Rothia indicasubsp. australis*
  - *Stylidium weelivollii*
  - ▲ *Terminalia supranitidifolia*
  - ▲ *Themeda* sp. Panorama (J. Nelson et al. NS 102)
  - ▲ *Triodia basitricha*
  - ▲ *Triodia chichesterensis*
  - ▲ *Vigna triadiophila*

- Project Area**
- Turner River (2022)
  - Turner River West (2023)
  - Turner River Additional (2024)
  - Road
  - +— Railway
- Threatened Ecological Communities**
- Gregory Land System



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N 0 5 10 20 km

Service Layer Credits: Landgate / SLIP  
Sig Threatened Flora Comms - DBCA

Coordinate System: GCS GDA 1994  
Scale : 1:750,000 @ A4  
Project Number : 675.072502  
Date Drawn : 29/11/2024  
Drawn By : Environmaps  
Reviewed By : SC

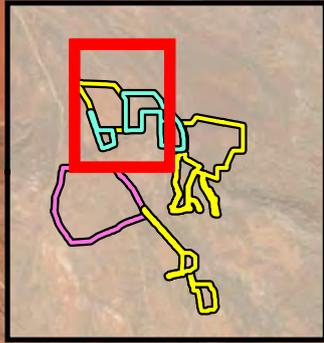
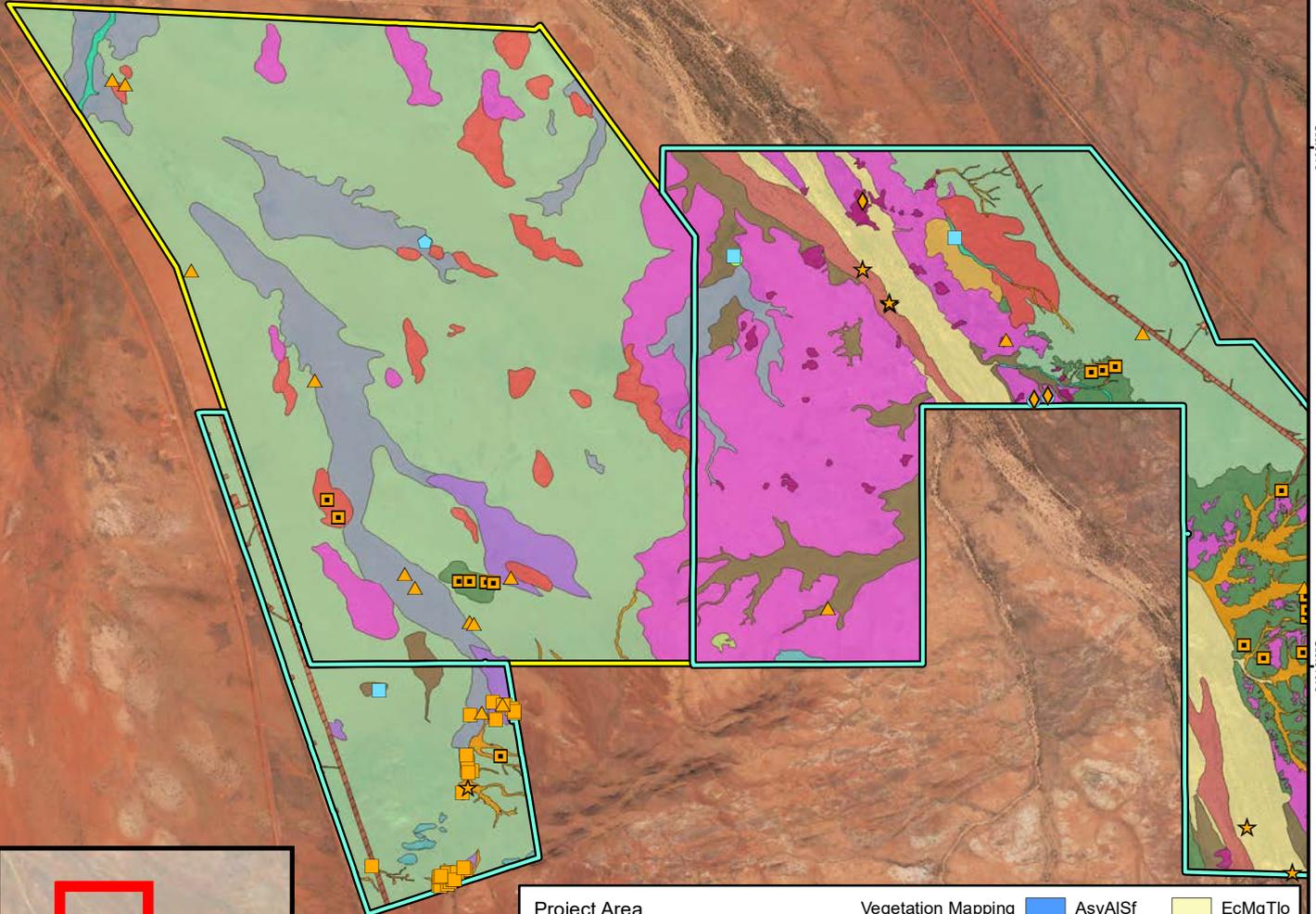
Fortescue  
Turner River Consolidated  
Detailed Flora and Vegetation

Significant Flora and Communities Identified  
by the DBCA Database Searches

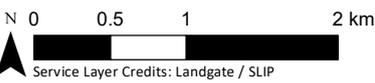
**FIGURE 7**

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- Significant Flora**
- *Neptunia longipila*- Priority 2 (DBCA)
  - *Eragrostis crateriformis*- Priority 3 (DBCA)
  - *Euphorbia clementii*- Priority 3 (DBCA)
  - ▲ *Euploca multica*- Priority 3 (DBCA)
  - ◆ *Goodenia obscurata*- Priority 3 (DBCA)
  - ★ *Gymnanthera cunninghamii*- Priority 3 (DBCA)
  - ◆ *Nicotiana umbratica*- Priority 3 (DBCA)
  - ◆ *Phyllanthus hebecarpus*- Priority 3 (DBCA)
  - ⊕ *Rothia indica subsp. australis*- Priority 3 (DBCA)
  - *Triodia basistricha*- Priority 3 (DBCA)
  - *Triodia chichesterensis*- Priority 3 (DBCA)
  - *Bulbostylis burbiageae*- Priority 4 (DBCA)
  - *Ptilotus mollis*- Priority 4 (DBCA)
  - *Amaranthus aff. interruptus*- Other (Anomalous features, potentially new species)
  - *Polymeria sp. stoloniferous*- Other (Anomalous features, potentially new species)
  - ▲ *Solanum aff. cleistogamum*- Other (Anomalous features, potentially new species)
  - *Trianthema aff. oxycalyptum*- Other (Anomalous features, potentially new species)



- |                                  |                           |           |          |
|----------------------------------|---------------------------|-----------|----------|
| <b>Project Area</b>              | <b>Vegetation Mapping</b> | AsyAISf   | EcMgTlo  |
| ■ Turner River (2022)            | AanTl                     | AtpTe     | EvAtTlo  |
| ■ Turner River West (2023)       | AeTe                      | ChAaTc    | GwAaTs   |
| ■ Turner River Additional (2024) | AiAbTw                    | ChAaTs    | MaAcpCi  |
|                                  | AiTw                      | ChAspTe   | PfTlo    |
|                                  | AoTe                      | ChAspTla  | TcAtpTla |
|                                  | AsTla                     | ChAspTla2 | Cleared  |
|                                  | AspTba                    | ChAspTrc  |          |
|                                  | AspTbr                    | EcAtTe    |          |



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Fortescue  
 Turner River Consolidated  
 Detailed Flora and Vegetation  
 Vegetation Mapping and Flora of  
 Significance within the Survey Area  
**FIGURE 8A**

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118°50'0"E

118°52'0"E

Project Area

- Turner River (2022)
- Turner River West (2023)
- Turner River Additional (2024)

Vegetation Mapping

- |   |  |   |   |  |   |
|---|--|---|---|--|---|
| <span style="display: inline-block; width: 15px; height: 10px; background-color: #4a69bd; border: 1px solid black; margin-right: 5px;"></span> AanTl  | <span style="display: inline-block; width: 15px; height: 10px; background-color: #808080; border: 1px solid black; margin-right: 5px;"></span> AsTla   | <span style="display: inline-block; width: 15px; height: 10px; background-color: #90ee90; border: 1px solid black; margin-right: 5px;"></span> AoTe   | <span style="display: inline-block; width: 15px; height: 10px; background-color: #800080; border: 1px solid black; margin-right: 5px;"></span> AtpTe    | <span style="display: inline-block; width: 15px; height: 10px; background-color: #90ee90; border: 1px solid black; margin-right: 5px;"></span> ChAspTla2 | <span style="display: inline-block; width: 15px; height: 10px; background-color: #e6e6fa; border: 1px solid black; margin-right: 5px;"></span> GwAaTs   |
| <span style="display: inline-block; width: 15px; height: 10px; background-color: #90ee90; border: 1px solid black; margin-right: 5px;"></span> AeTe   | <span style="display: inline-block; width: 15px; height: 10px; background-color: #f0e68c; border: 1px solid black; margin-right: 5px;"></span> AspTba  | <span style="display: inline-block; width: 15px; height: 10px; background-color: #800080; border: 1px solid black; margin-right: 5px;"></span> ChAaTc | <span style="display: inline-block; width: 15px; height: 10px; background-color: #800080; border: 1px solid black; margin-right: 5px;"></span> ChAaTs   | <span style="display: inline-block; width: 15px; height: 10px; background-color: #00ced1; border: 1px solid black; margin-right: 5px;"></span> ChAspTrc  | <span style="display: inline-block; width: 15px; height: 10px; background-color: #d2b48c; border: 1px solid black; margin-right: 5px;"></span> MaAcpCi  |
| <span style="display: inline-block; width: 15px; height: 10px; background-color: #f08080; border: 1px solid black; margin-right: 5px;"></span> AiAbTw | <span style="display: inline-block; width: 15px; height: 10px; background-color: #f0e68c; border: 1px solid black; margin-right: 5px;"></span> AspTbr  | <span style="display: inline-block; width: 15px; height: 10px; background-color: #00ced1; border: 1px solid black; margin-right: 5px;"></span> AiTw   | <span style="display: inline-block; width: 15px; height: 10px; background-color: #ff8c00; border: 1px solid black; margin-right: 5px;"></span> ChAspTe  | <span style="display: inline-block; width: 15px; height: 10px; background-color: #ffff00; border: 1px solid black; margin-right: 5px;"></span> EcAtTe    | <span style="display: inline-block; width: 15px; height: 10px; background-color: #e6e6fa; border: 1px solid black; margin-right: 5px;"></span> PftIo    |
|   | <span style="display: inline-block; width: 15px; height: 10px; background-color: #4169e1; border: 1px solid black; margin-right: 5px;"></span> AsyAISf |   | <span style="display: inline-block; width: 15px; height: 10px; background-color: #90ee90; border: 1px solid black; margin-right: 5px;"></span> ChAspTla | <span style="display: inline-block; width: 15px; height: 10px; background-color: #ffff00; border: 1px solid black; margin-right: 5px;"></span> EcMgTlo   | <span style="display: inline-block; width: 15px; height: 10px; background-color: #ffff00; border: 1px solid black; margin-right: 5px;"></span> TcAtpTla |
|   |  |   |   | <span style="display: inline-block; width: 15px; height: 10px; background-color: #ff0000; border: 1px solid black; margin-right: 5px;"></span> EvAtTlo   | <span style="display: inline-block; width: 15px; height: 10px; border: 1px solid black; margin-right: 5px;"></span> Cleared                             |

21°00'S

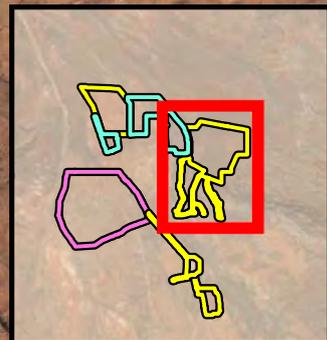
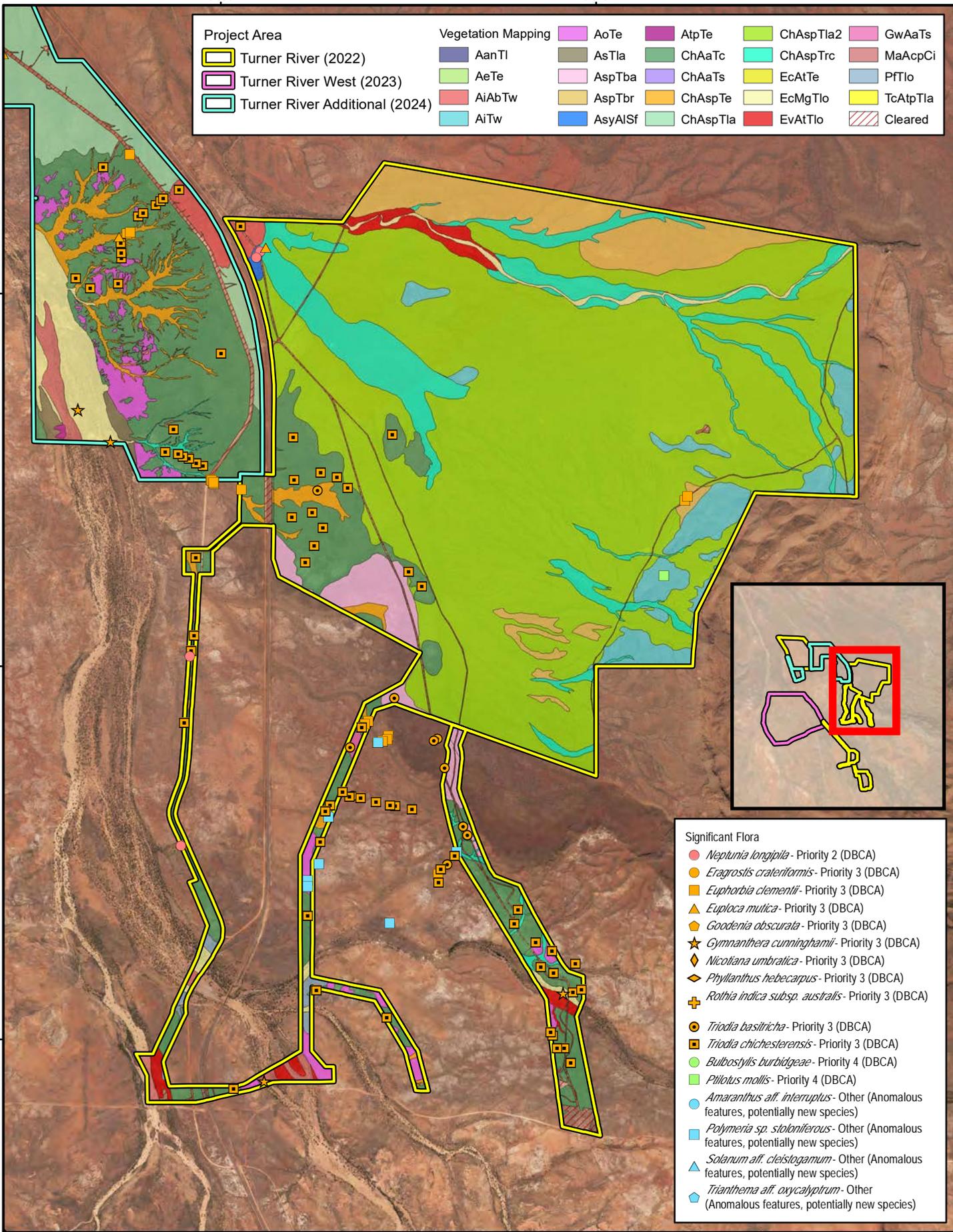
21°20'S

21°40'S

21°00'S

21°20'S

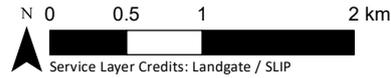
21°40'S



- Significant Flora**
- *Neptunia longipila* - Priority 2 (DBCA)
  - *Eragrostis crateriformis* - Priority 3 (DBCA)
  - *Euphorbia clementii* - Priority 3 (DBCA)
  - ▲ *Euploca multica* - Priority 3 (DBCA)
  - ◆ *Goodenia obscurata* - Priority 3 (DBCA)
  - ★ *Gymnanthera cunninghamii* - Priority 3 (DBCA)
  - ◇ *Nicotiana umbratica* - Priority 3 (DBCA)
  - ◇ *Phyllanthus hebecarpus* - Priority 3 (DBCA)
  - + *Rothia indica subsp. australis* - Priority 3 (DBCA)
  - *Triodia basiliricha* - Priority 3 (DBCA)
  - *Triodia chichesterensis* - Priority 3 (DBCA)
  - *Bulbostylis turbridgeae* - Priority 4 (DBCA)
  - *Philotus mollis* - Priority 4 (DBCA)
  - *Amaranthus aff. interruptus* - Other (Anomalous features, potentially new species)
  - *Polymeria sp. stoloniferous* - Other (Anomalous features, potentially new species)
  - ▲ *Solanum aff. cleistogamum* - Other (Anomalous features, potentially new species)
  - ◆ *Trianthema aff. oxycalyptum* - Other (Anomalous features, potentially new species)

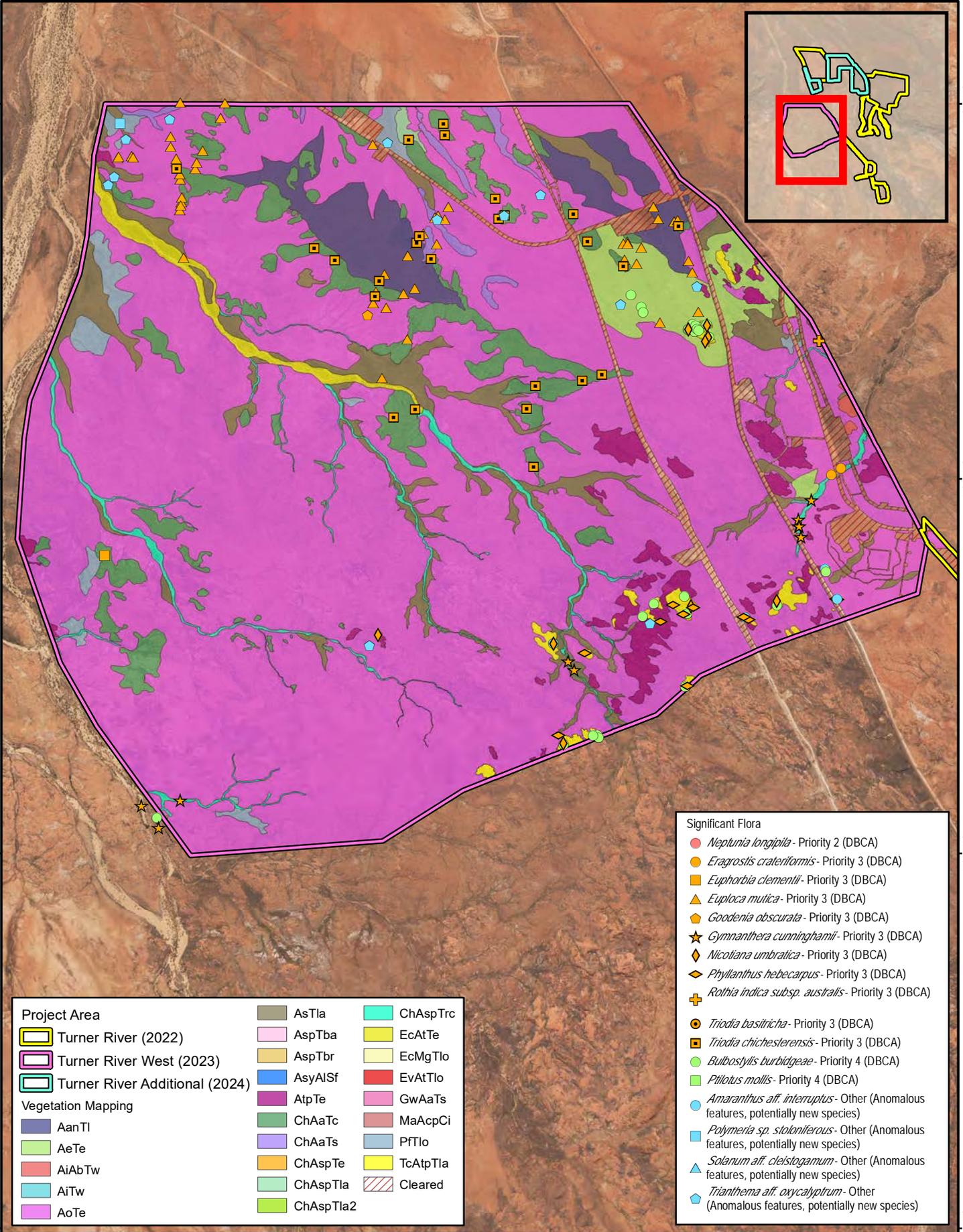


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**Fortescue**  
**Turner River Consolidated**  
**Detailed Flora and Vegetation**  
**Vegetation Mapping and Flora of**  
**Significance within the Survey Area**  
**FIGURE 8B**

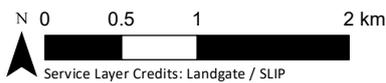


<b>Project Area</b>	AsTla	ChAspTrc
Turner River (2022)	AspTba	EcAtTe
Turner River West (2023)	AspTbr	EcMgTlo
Turner River Additional (2024)	AsyAISf	EvAtTlo
<b>Vegetation Mapping</b>	AtpTe	GwAaTs
AanTI	ChAaTc	MaAcpCi
AeTe	ChAaTs	PfTlo
AiAbTw	ChAspTe	TcAtpTla
AiTw	ChAspTla	Cleared
AoTe	ChAspTla2	

<b>Significant Flora</b>	
●	<i>Neptunia longipila</i> - Priority 2 (DBCA)
●	<i>Eragrostis crateriformis</i> - Priority 3 (DBCA)
■	<i>Euphorbia clementii</i> - Priority 3 (DBCA)
▲	<i>Euploca mullica</i> - Priority 3 (DBCA)
◆	<i>Goodenia obscurata</i> - Priority 3 (DBCA)
★	<i>Gymnanthera cunninghamii</i> - Priority 3 (DBCA)
◇	<i>Nicoliana umbratica</i> - Priority 3 (DBCA)
◆	<i>Phyllanthus hebecarpus</i> - Priority 3 (DBCA)
+	<i>Rothia indica subsp. australis</i> - Priority 3 (DBCA)
●	<i>Triodia basitricha</i> - Priority 3 (DBCA)
■	<i>Triodia chichesterensis</i> - Priority 3 (DBCA)
●	<i>Bulbostylis burbridgeae</i> - Priority 4 (DBCA)
●	<i>Ptilotus mollis</i> - Priority 4 (DBCA)
●	<i>Amaranthus aff. interruptus</i> - Other (Anomalous features, potentially new species)
■	<i>Polymeria sp. stoloniferous</i> - Other (Anomalous features, potentially new species)
▲	<i>Solanum aff. cleistogamum</i> - Other (Anomalous features, potentially new species)
●	<i>Trianthema aff. oxycalyptum</i> - Other (Anomalous features, potentially new species)

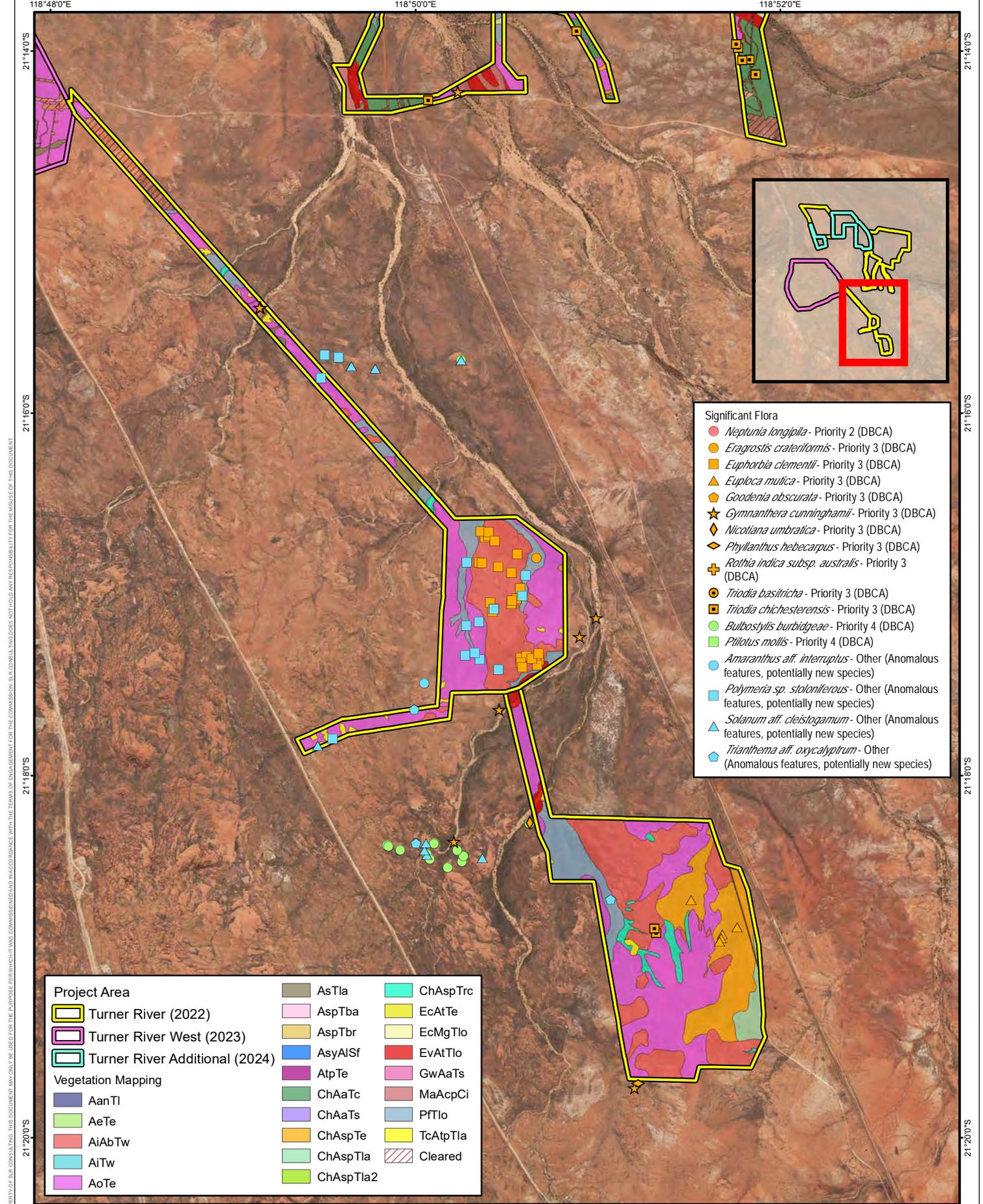


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Fortescue  
 Turner River Consolidated  
 Detailed Flora and Vegetation  
 Vegetation Mapping and Flora of  
 Significance within the Survey Area  
 FIGURE 8C



- Significant Flora**
- *Neptunia longipila* - Priority 2 (DBCAs)
  - *Eragrostis crateriformis* - Priority 3 (DBCAs)
  - *Euphorbia clementii* - Priority 3 (DBCAs)
  - ▲ *Euploca multica* - Priority 3 (DBCAs)
  - ▲ *Goodenia obscurata* - Priority 3 (DBCAs)
  - ★ *Gymnanthera cunninghamii* - Priority 3 (DBCAs)
  - ◆ *Nicotiana umbratica* - Priority 3 (DBCAs)
  - ◆ *Phyllanthus hebecarpus* - Priority 3 (DBCAs)
  - ⊕ *Rothia indica subsp. australis* - Priority 3 (DBCAs)
  - *Triodia basilricha* - Priority 3 (DBCAs)
  - *Triodia chichesterensis* - Priority 3 (DBCAs)
  - *Bulbostylis burbridgeae* - Priority 4 (DBCAs)
  - *Ptilotus mollis* - Priority 4 (DBCAs)
  - *Amaranthus aff. interruptus* - Other (Anomalous features, potentially new species)
  - *Polymeria sp. stoloniferous* - Other (Anomalous features, potentially new species)
  - ▲ *Solanum aff. cleistogamum* - Other (Anomalous features, potentially new species)
  - *Trianthema aff. oxycalyptum* - Other (Anomalous features, potentially new species)

- |                                |           |          |
|--------------------------------|-----------|----------|
| <b>Project Area</b>            | AsTla     | ChAspTrc |
| Turner River (2022)            | AspTba    | EcAtTe   |
| Turner River West (2023)       | AspTbr    | EcMgTlo  |
| Turner River Additional (2024) | AsyAlSf   | EvAtTlo  |
| <b>Vegetation Mapping</b>      | AtpTe     | GwAaTs   |
| AanTl                          | ChAaTc    | MaAcpCi  |
| AeTe                           | ChAaTs    | PfTlo    |
| AiAbTw                         | ChAspTe   | TcAtpTla |
| AiTw                           | ChAspTla  | Cleared  |
| AoTe                           | ChAspTla2 |          |



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Fortescue  
 Turner River Consolidated  
 Detailed Flora and Vegetation  
 Vegetation Mapping and Flora of  
 Significance within the Survey Area  
**FIGURE 8D**



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118°45'0"E

118°50'0"E

Project Area

-  Turner River (2022)
-  Turner River West (2023)
-  Turner River Additional (2024)

-  River
-  Railway
-  Road

- Fire History - Burn Year
-  2022
  -  2023
  -  2024

21°10'0"S

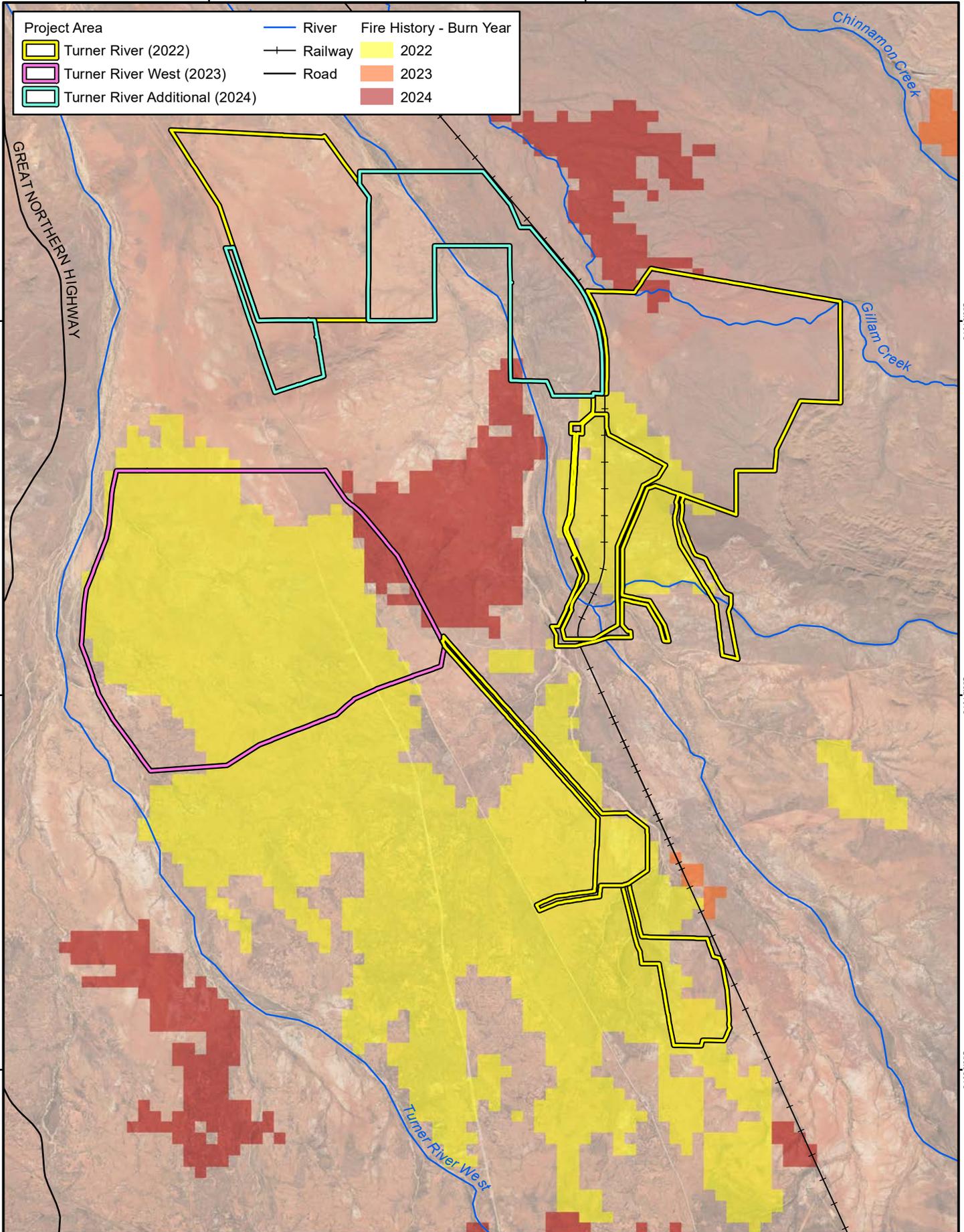
21°15'0"S

21°20'0"S

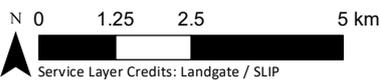
118°45'0"E

118°50'0"E

118°55'0"E



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Fortescue  
 Turner River Consolidated  
 Detailed Flora and Vegetation

Fire History in the Locality  
 FIGURE 9

118°46'0"E

118°48'0"E

21°30'0"S

21°30'0"S

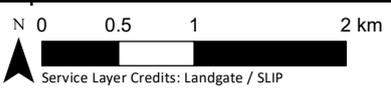
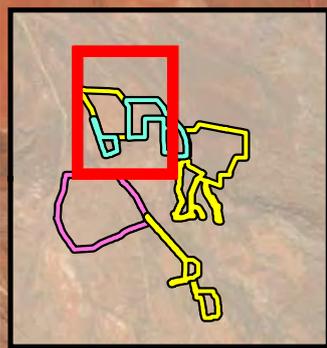
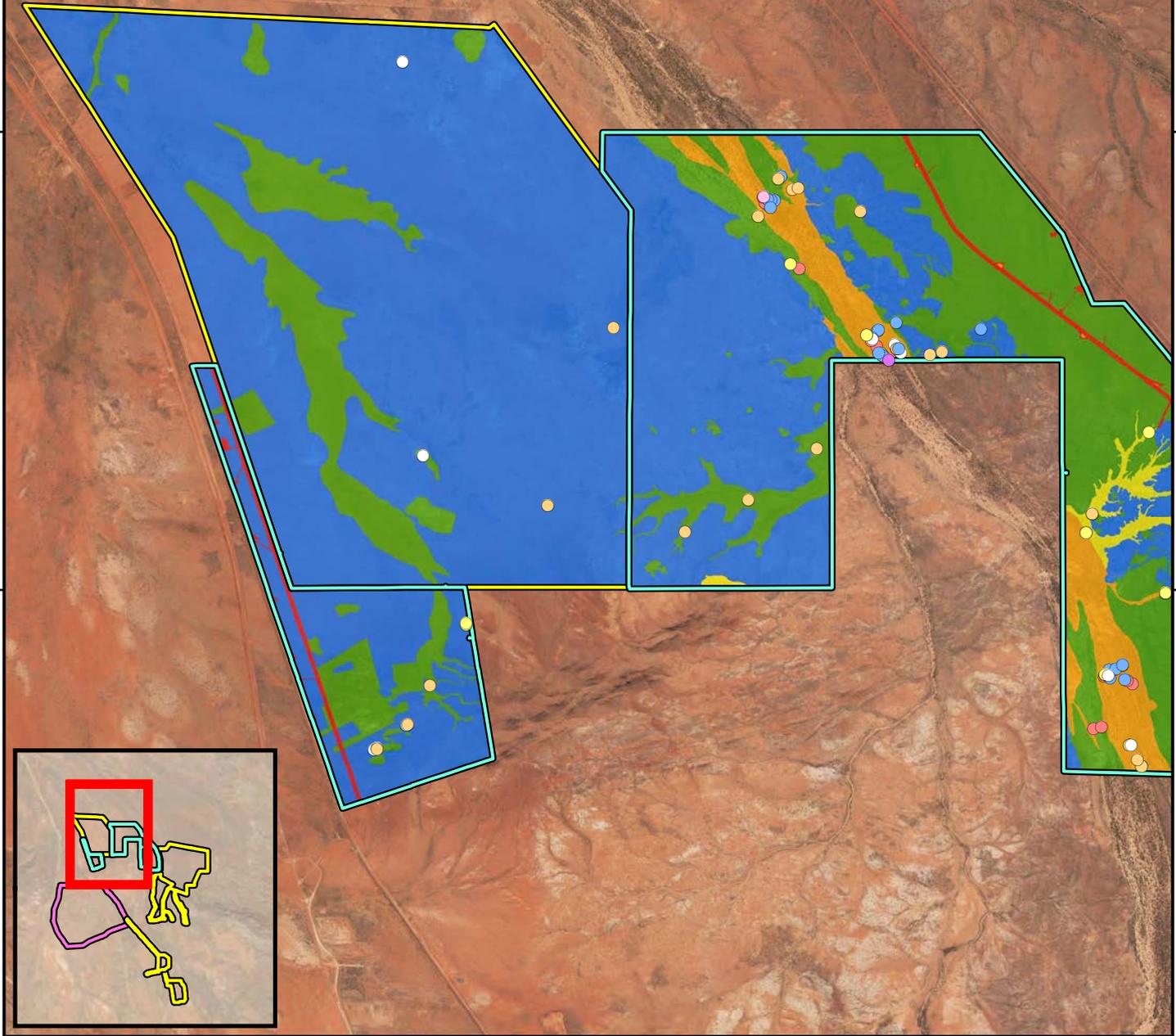
21°30'0"S

21°30'0"S

21°30'0"S

21°30'0"S

Project Area		Introduced Flora	
	Turner River (2022)		* <i>Aerva javanica</i>
	Turner River West (2023)		* <i>Bidens bipinnata</i>
	Turner River Additional (2024)		* <i>Calotropis procera</i>
Vegetation Condition			* <i>Cenchrus ciliaris</i>
	Excellent		* <i>Cenchrus setiger</i>
	Very Good		* <i>Chloris pumilio</i>
	Good		* <i>Flaveria trinervia</i>
	Poor		* <i>Malvastrum americanum</i>
	Completely Degraded		* <i>Opuntia ?stricta</i>
			* <i>Pseudognaphalium luteoalbum</i>
			* <i>Sonchus oleraceus</i>



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Fortescue  
 Turner River Consolidated  
 Detailed Flora and Vegetation  
 Vegetation Condition and Introduced  
 Flora within the Survey Area  
 FIGURE 10A

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118°50'0"E

118°52'0"E

21°00'S

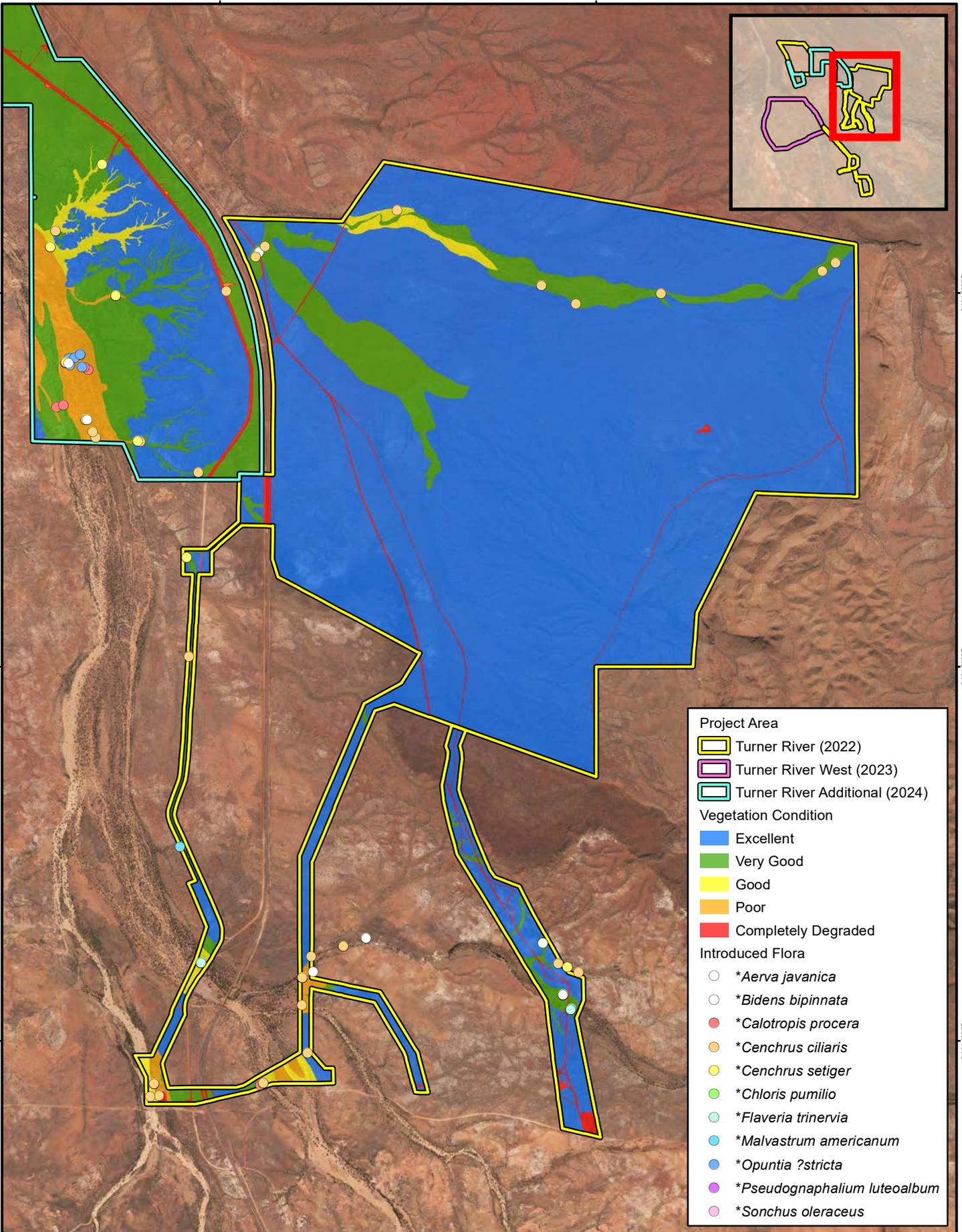
21°00'S

21°20'S

21°20'S

21°40'S

21°40'S



**Project Area**

- Turner River (2022)
- Turner River West (2023)
- Turner River Additional (2024)

**Vegetation Condition**

- Excellent
- Very Good
- Good
- Poor
- Completely Degraded

**Introduced Flora**

- \**Aerva javanica*
- \**Bidens bipinnata*
- \**Calotropis procera*
- \**Cenchrus ciliaris*
- \**Cenchrus setiger*
- \**Chloris pumilio*
- \**Flaveria trinervia*
- \**Malvastrum americanum*
- \**Opuntia ?stricta*
- \**Pseudognaphalium luteoalbum*
- \**Sonchus oleraceus*



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N 0 0.5 1 2 km  
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Fortescue  
 Turner River Consolidated  
 Detailed Flora and Vegetation  
 Vegetation Condition and Introduced  
 Flora within the Survey Area  
**FIGURE 10B**

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118°44'0"E

118°46'0"E

118°48'0"E

21°12'0"S

21°12'0"S

21°14'0"S

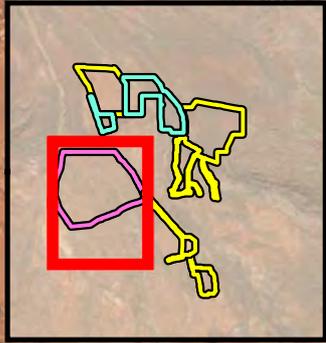
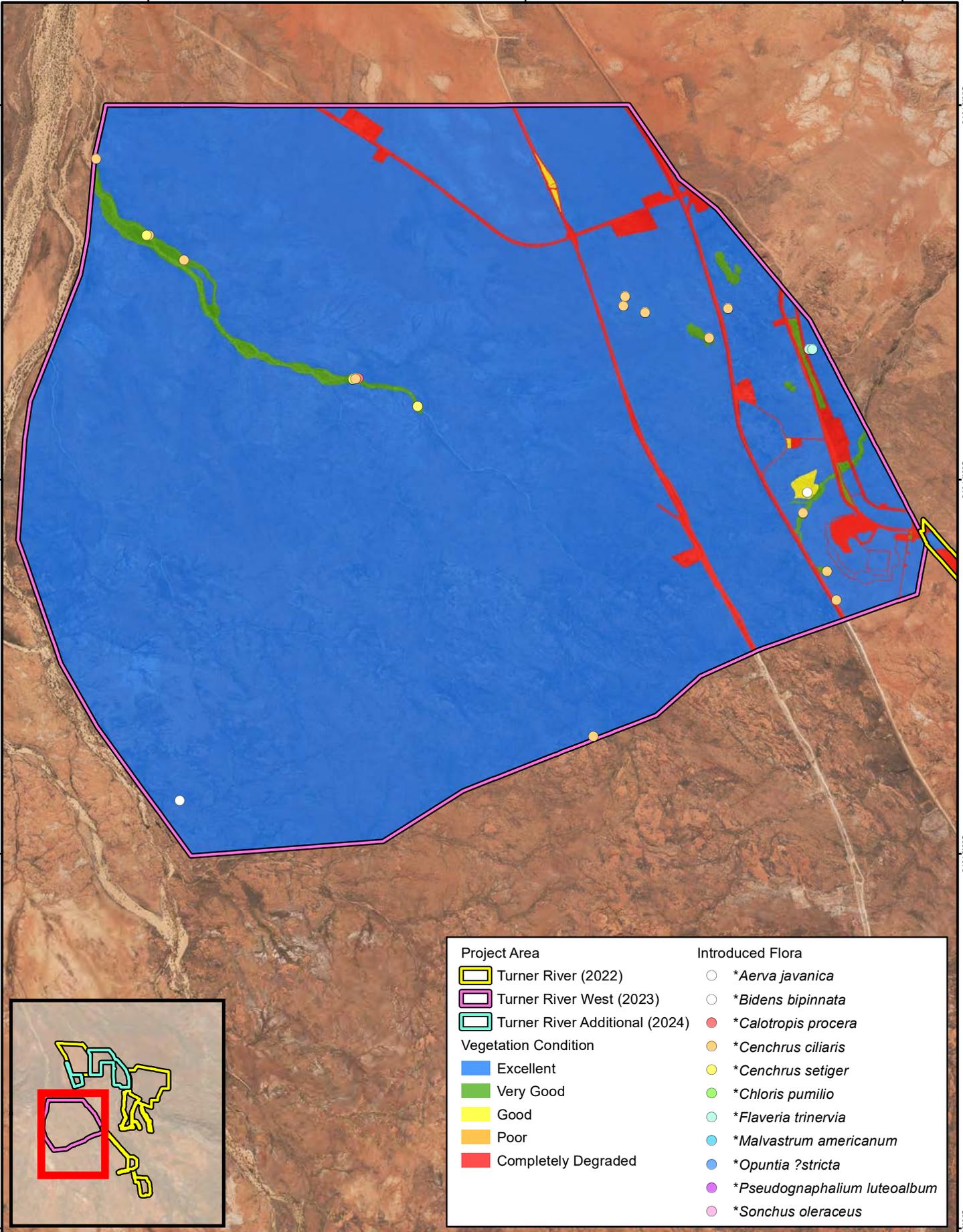
21°14'0"S

21°16'0"S

21°16'0"S

21°18'0"S

21°18'0"S



Project Area		Introduced Flora	
	Turner River (2022)		* <i>Aerva javanica</i>
	Turner River West (2023)		* <i>Bidens bipinnata</i>
	Turner River Additional (2024)		* <i>Calotropis procera</i>
Vegetation Condition			* <i>Cenchrus ciliaris</i>
	Excellent		* <i>Cenchrus setiger</i>
	Very Good		* <i>Chloris pumilio</i>
	Good		* <i>Flaveria trinervia</i>
	Poor		* <i>Malvastrum americanum</i>
	Completely Degraded		* <i>Opuntia ?stricta</i>
			* <i>Pseudognaphalium luteoalbum</i>
			* <i>Sonchus oleraceus</i>



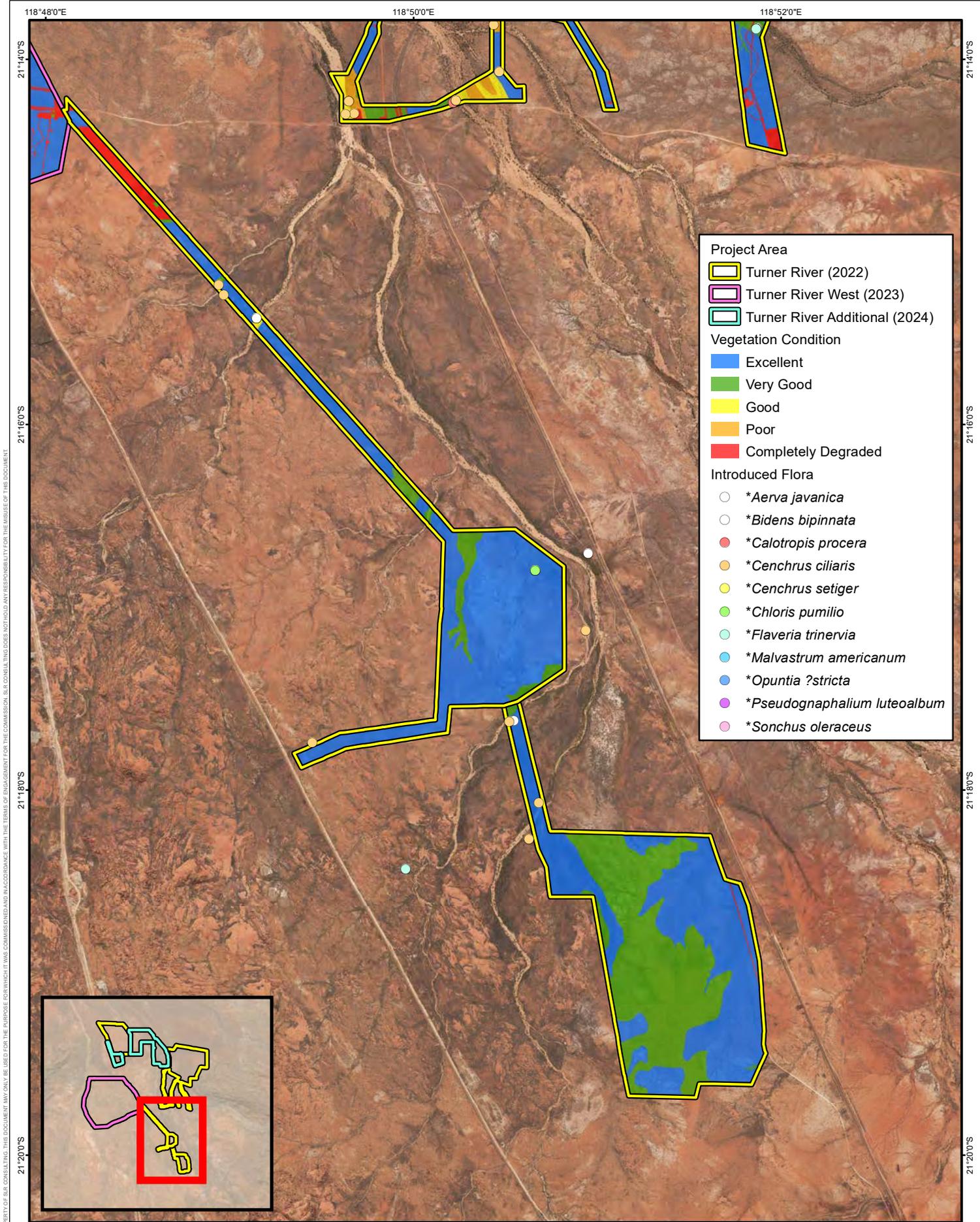
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Fortescue  
 Turner River Consolidated  
 Detailed Flora and Vegetation  
 Vegetation Condition and Introduced  
 Flora within the Survey Area  
 FIGURE 10C

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**Project Area**

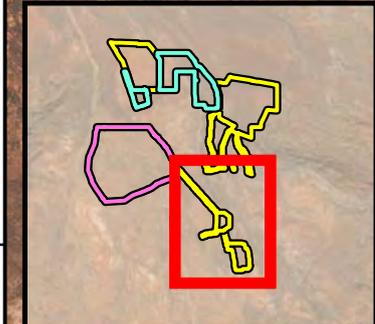
- Turner River (2022)
- Turner River West (2023)
- Turner River Additional (2024)

**Vegetation Condition**

- Excellent
- Very Good
- Good
- Poor
- Completely Degraded

**Introduced Flora**

- \**Aerva javanica*
- \**Bidens bipinnata*
- \**Calotropis procera*
- \**Cenchrus ciliaris*
- \**Cenchrus setiger*
- \**Chloris pumilio*
- \**Flaveria trinervia*
- \**Malvastrum americanum*
- \**Opuntia ?stricta*
- \**Pseudognaphalium luteoalbum*
- \**Sonchus oleraceus*



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Fortescue  
 Turner River Consolidated  
 Detailed Flora and Vegetation  
 Vegetation Condition and Introduced  
 Flora within the Survey Area  
**FIGURE 10D**

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