



DRAFT & CONFIDENTIAL

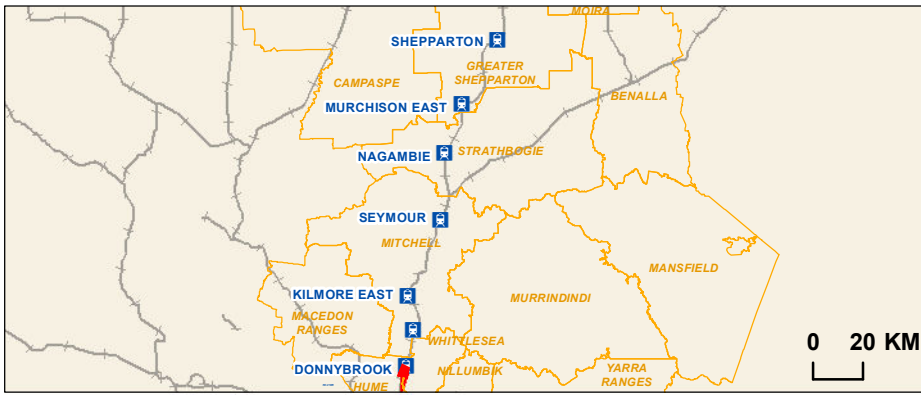
Disclaimer: Ecology data is subject to revision as project information becomes available

- Project area
- MSA Conservation Area 34
- MSA extent
- Preferred construction footprint**
- Signalling works area
- Management Approach**
- Priority Avoid
- Ecological No Go Zone

- Native Vegetation**
- Plains Grassland (time-stamped)

Map 1 of 115

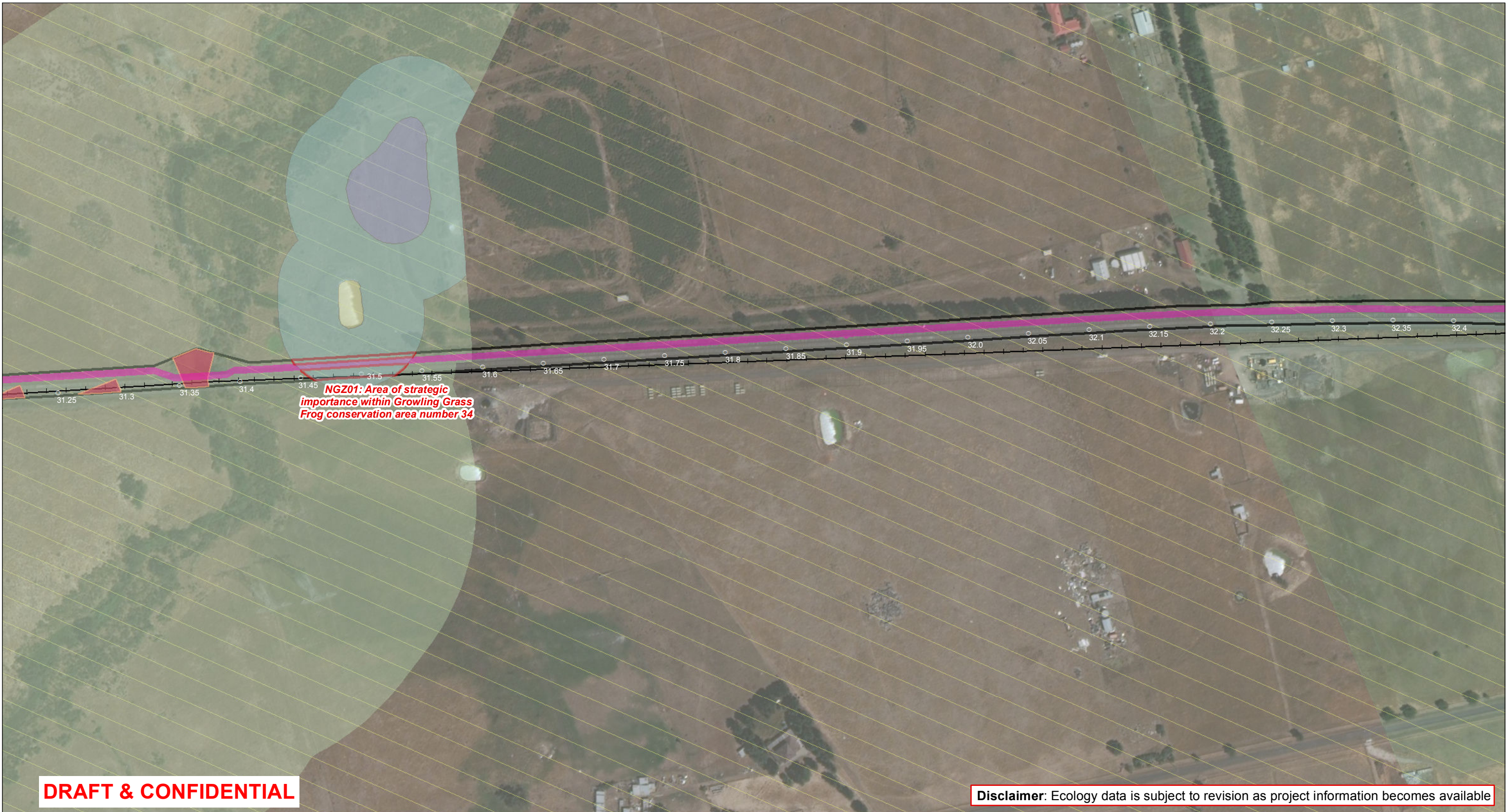
Data Sources:
 AJM 2018
 DELWP 2018
 Vicmap 2018
 Basemap: ESRI 2018



Regional Rail Revival North-East & Shepparton
 Native Vegetation and Ecological Management Approach

Drawn By: A. Mattinson	Approved By: M. Timms	Date: 17/09/2019	Revision: A.2
Drawing Number: NES-AJM-PWD-PWD-MAP-XEV-VIC-0419105			Map Size: A3

0 50 100 Metres
 Coordinate System: GDA 1994 MGA Zone 55



DRAFT & CONFIDENTIAL

Disclaimer: Ecology data is subject to revision as project information becomes available

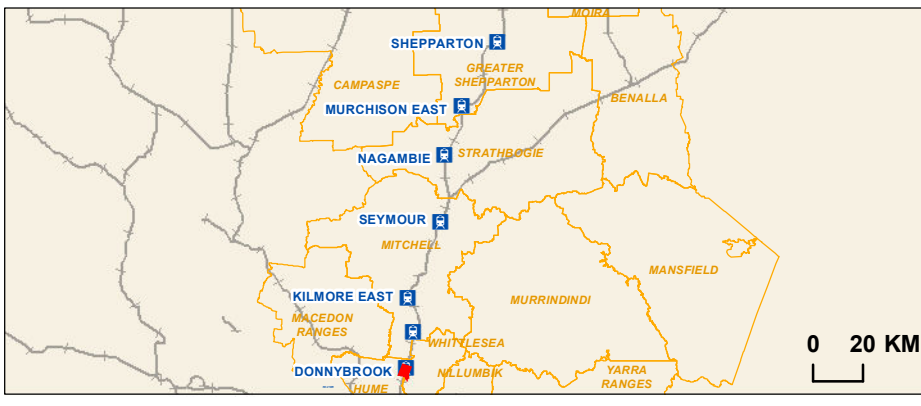
- Project area
- MSA Conservation Area 34
- MSA extent
- Preferred construction footprint**
- Signalling works area
- Management Approach**
- Priority Avoid
- Ecological No Go Zone

- Areas of Strategic Importance**
- Buffer around water
- Existing waterbody
- Indicative new wetland footprint

- Native Vegetation**
- Plains Grassland (time-stamped)

Map 2 of 115

Data Sources:
 AJM 2018
 DELWP 2018
 Vicmap 2018
 Basemap: ESRI 2018



Regional Rail Revival North-East & Shepparton
 Native Vegetation and Ecological Management Approach

Drawing Number: NES-AJM-PWD-PWD-MAP-XEV-VIC-0419105
 Revision: A.2

Drawn By: A. Mattinson	Approved By: M. Timms	Date: 17/09/2019	Map Size: A3
---------------------------	--------------------------	---------------------	-----------------

0 50 100
 Metres
 Coordinate System: GDA 1994 MGA Zone 55



DRAFT & CONFIDENTIAL

Disclaimer: Ecology data is subject to revision as project information becomes available

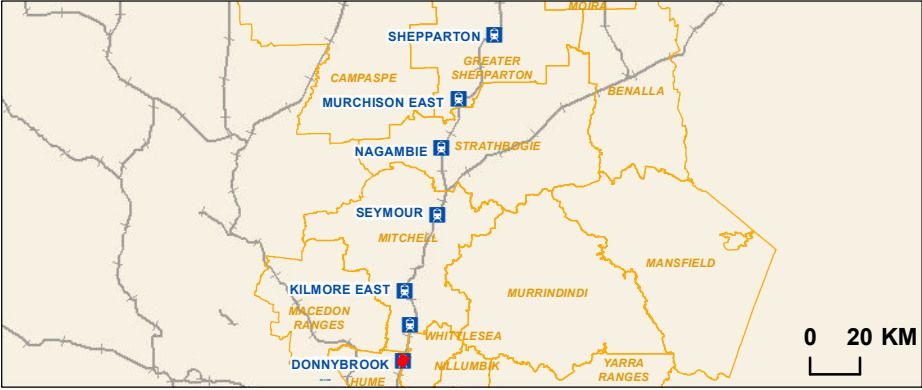
- Rail station
- Project area
- MSA extent
- Preferred construction footprint**
- Signalling works area

- Management Approach**
- Priority Avoid
- Ecological No Go Zone

Native Vegetation

Map 3 of 115

Data Sources:
 AJM 2018
 DELWP 2018
 Vicmap 2018
 Basemap: ESRI 2018



**Regional Rail Revival
 North-East & Shepparton**
 Native Vegetation and
 Ecological Management Approach

Drawing Number:		Revision:	
NES-AJM-PWD-PWD-MAP-XEV-VIC-0419105		A.2	
Drawn By:	Approved By:	Date:	Map Size:
A. Mattinson	M. Timms	17/09/2019	A3

0 50 100
 Metres
 Coordinate System: GDA 1994 MGA Zone 55

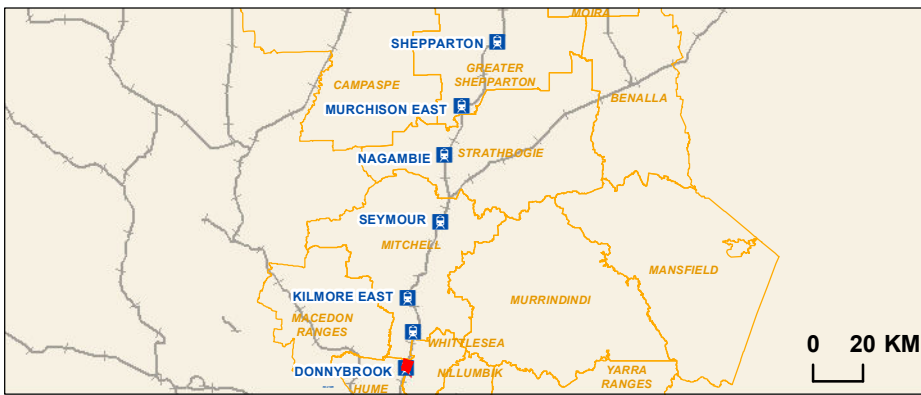


- Project area
- MSA Conservation Area 34
- MSA extent
- Preferred construction footprint**
- Signalling works area

- Management Approach**
- Priority Avoid
- Ecological No Go Zone

Native Vegetation

Data Sources:
 AJM 2018
 DELWP 2018
 Vicmap 2018
 Basemap: ESRI 2018



Regional Rail Revival North-East & Shepparton
 Native Vegetation and Ecological Management Approach

Drawing Number:		Revision:	
NES-AJM-PWD-PWD-MAP-XEV-VIC-0419105		A.2	
Drawn By:	Approved By:	Date:	Map Size:
A. Mattinson	M. Timms	17/09/2019	A3

0 50 100
 Metres
 Coordinate System: GDA 1994 MGA Zone 55



DRAFT & CONFIDENTIAL

Disclaimer: Ecology data is subject to revision as project information becomes available

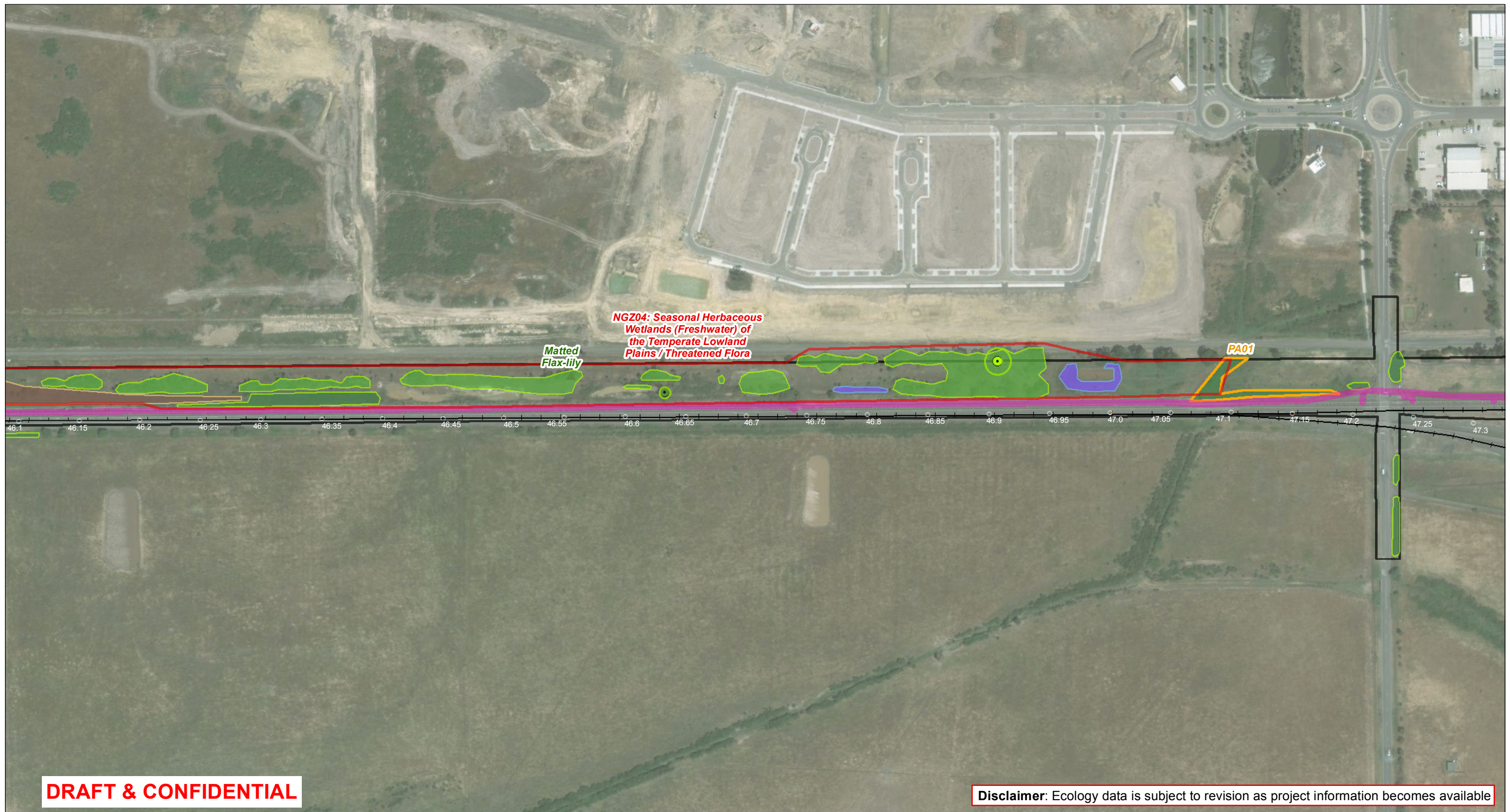
<ul style="list-style-type: none"> Project area MSA Conservation Area 34 MSA extent Preferred construction footprint Signalling works area 	<p>Management Approach</p> <ul style="list-style-type: none"> Priority Avoid Ecological No Go Zone 	<p>Native Vegetation</p> <ul style="list-style-type: none"> Plains Grassland (time-stamped) 	<p>Map 5 of 115</p>	<p>0 20 KM</p>	<div style="display: flex; justify-content: space-between;"> <div data-bbox="2021 1717 2309 2011"> </div> <div data-bbox="2318 1675 2902 2039"> <p>Regional Rail Revival North-East & Shepparton</p> <p>Native Vegetation and Ecological Management Approach</p> <p>Drawing Number: NES-AJM-PWD-PWD-MAP-XEV-VIC-0419105</p> <table border="1"> <tr> <td>Drawn By: A. Mattinson</td> <td>Approved By: M. Timms</td> <td>Date: 17/09/2019</td> <td>Revision: A.2</td> </tr> <tr> <td colspan="3"></td> <td>Map Size: A3</td> </tr> </table> <p>0 50 100 Metres</p> <p>Coordinate System: GDA 1994 MGA Zone 55</p> </div> </div>	Drawn By: A. Mattinson	Approved By: M. Timms	Date: 17/09/2019	Revision: A.2				Map Size: A3
Drawn By: A. Mattinson	Approved By: M. Timms	Date: 17/09/2019	Revision: A.2										
			Map Size: A3										



DRAFT & CONFIDENTIAL

Disclaimer: Ecology data is subject to revision as project information becomes available

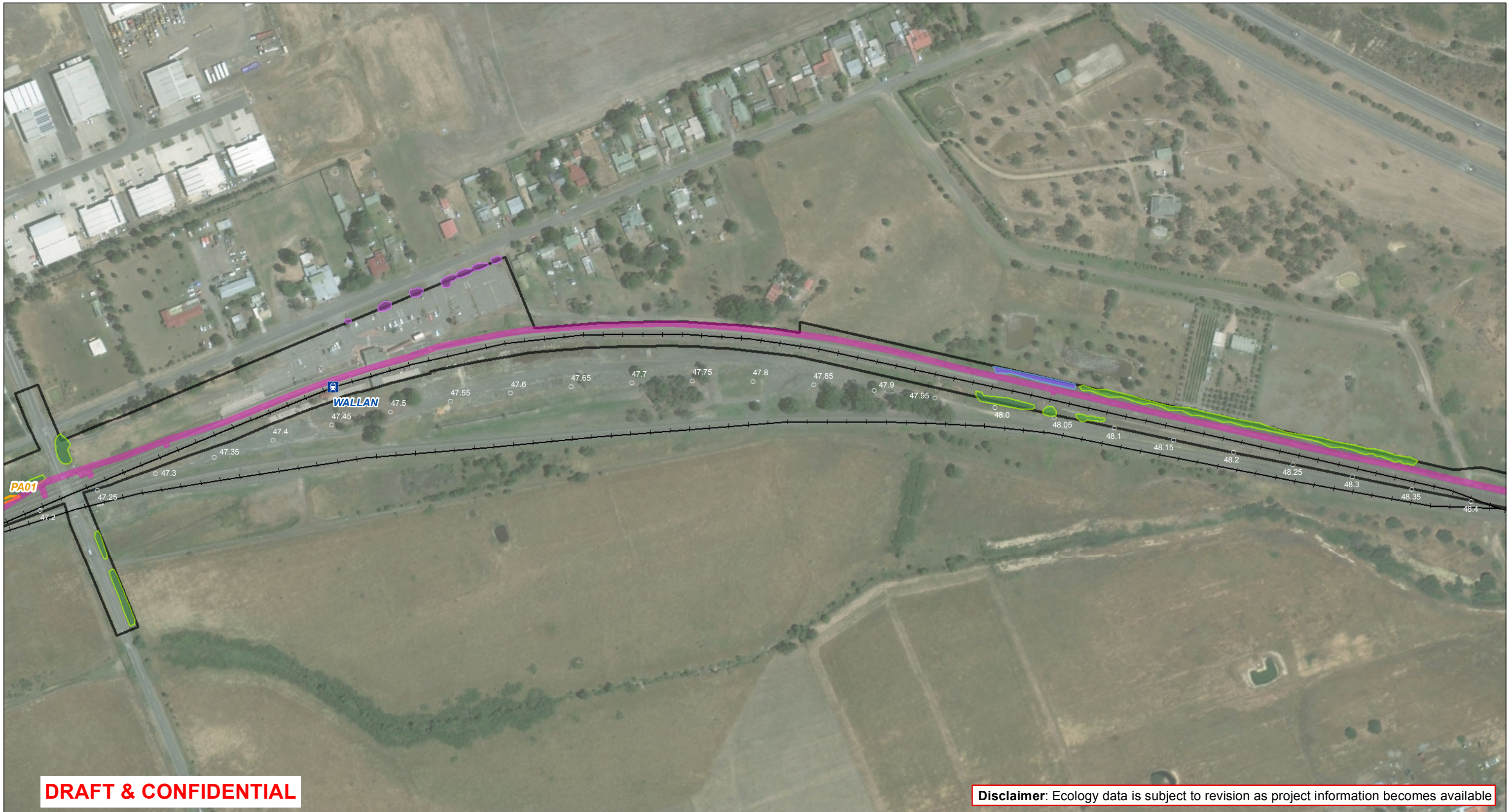
<p>Project area</p> <p>Preferred construction footprint</p> <p>Signalling works area</p>	<p>EPBC-listed threatened community</p> <p>Seasonal Herbaceous Wetlands (Freshwater) of the Temperate Lowland Plains</p>	<p>Native Vegetation</p> <ul style="list-style-type: none"> Threatened Flora Plains Grassy Wetland Swampy Riparian Woodland Tall Marsh 	<p>Map 7 of 115</p>			<p>Regional Rail Revival North-East & Shepparton</p> <p>Native Vegetation and Ecological Management Approach</p> <p>Drawing Number: NES-AJM-PWD-PWD-MAP-XEV-VIC-0419105</p> <p>Revision: A.2</p> <table border="1"> <tr> <td>Drawn By: A. Mattinson</td> <td>Approved By: M. Timms</td> <td>Date: 17/09/2019</td> <td>Map Size: A3</td> </tr> </table> <p>0 50 100 Metres</p> <p>Coordinate System: GDA 1994 MGA Zone 55</p>	Drawn By: A. Mattinson	Approved By: M. Timms	Date: 17/09/2019	Map Size: A3
Drawn By: A. Mattinson	Approved By: M. Timms	Date: 17/09/2019	Map Size: A3							
<p>Management Approach</p> <ul style="list-style-type: none"> Priority Avoid Ecological No Go Zone 	<p>Data Sources: AJM 2018 DELWP 2018 Vicmap 2018 Basemap: ESRI 2018</p>									



DRAFT & CONFIDENTIAL

Disclaimer: Ecology data is subject to revision as project information becomes available

<p>Project area</p> <p>Preferred construction footprint</p> <p>Signalling works area</p>	<p>Management Approach</p> <p>Priority Avoid</p> <p>Ecological No Go Zone</p>	<p>Native Vegetation</p> <ul style="list-style-type: none"> ▲ Threatened Flora ■ Aquatic Herbland ■ Plains Grassy Wetland ■ Swampy Riparian Woodland ■ Tall Marsh ● Tree ● Large Tree □ Tree Protection Zone 	<p>Map 8 of 115</p> <p>Data Sources: AJM 2018 DELWP 2018 Vicmap 2018 Basemap: ESRI 2018</p>	<p>0 20 KM</p>	<div style="display: flex; justify-content: space-between;"> <div data-bbox="2018 1711 2300 2026"> </div> <div data-bbox="2315 1680 2878 2026"> <p>Regional Rail Revival North-East & Shepparton</p> <p>Native Vegetation and Ecological Management Approach</p> <p>Drawing Number: NES-AJM-PWD-PWD-MAP-XEV-VIC-0419105</p> <table border="1"> <tr> <td>Drawn By: A. Mattinson</td> <td>Approved By: M. Timms</td> <td>Date: 17/09/2019</td> <td>Revision: A.2</td> </tr> <tr> <td colspan="3"></td> <td>Map Size: A3</td> </tr> </table> <p>0 50 100 Metres</p> <p>Coordinate System: GDA 1994 MGA Zone 55</p> </div> </div>	Drawn By: A. Mattinson	Approved By: M. Timms	Date: 17/09/2019	Revision: A.2				Map Size: A3
Drawn By: A. Mattinson	Approved By: M. Timms	Date: 17/09/2019	Revision: A.2										
			Map Size: A3										



DRAFT & CONFIDENTIAL

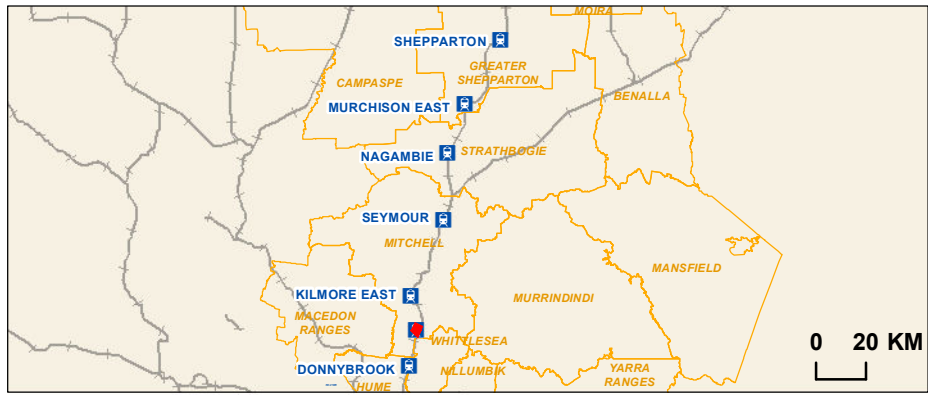
Disclaimer: Ecology data is subject to revision as project information becomes available

- Rail station
- Project area
- Preferred construction footprint**
- Signalling works area
- Management Approach**
- Priority Avoid
- Ecological No Go Zone

- Native Vegetation**
- Aquatic Herbland
- Swamp Scrub
- Swampy Riparian Woodland
- Tall Marsh

Map 9 of 115

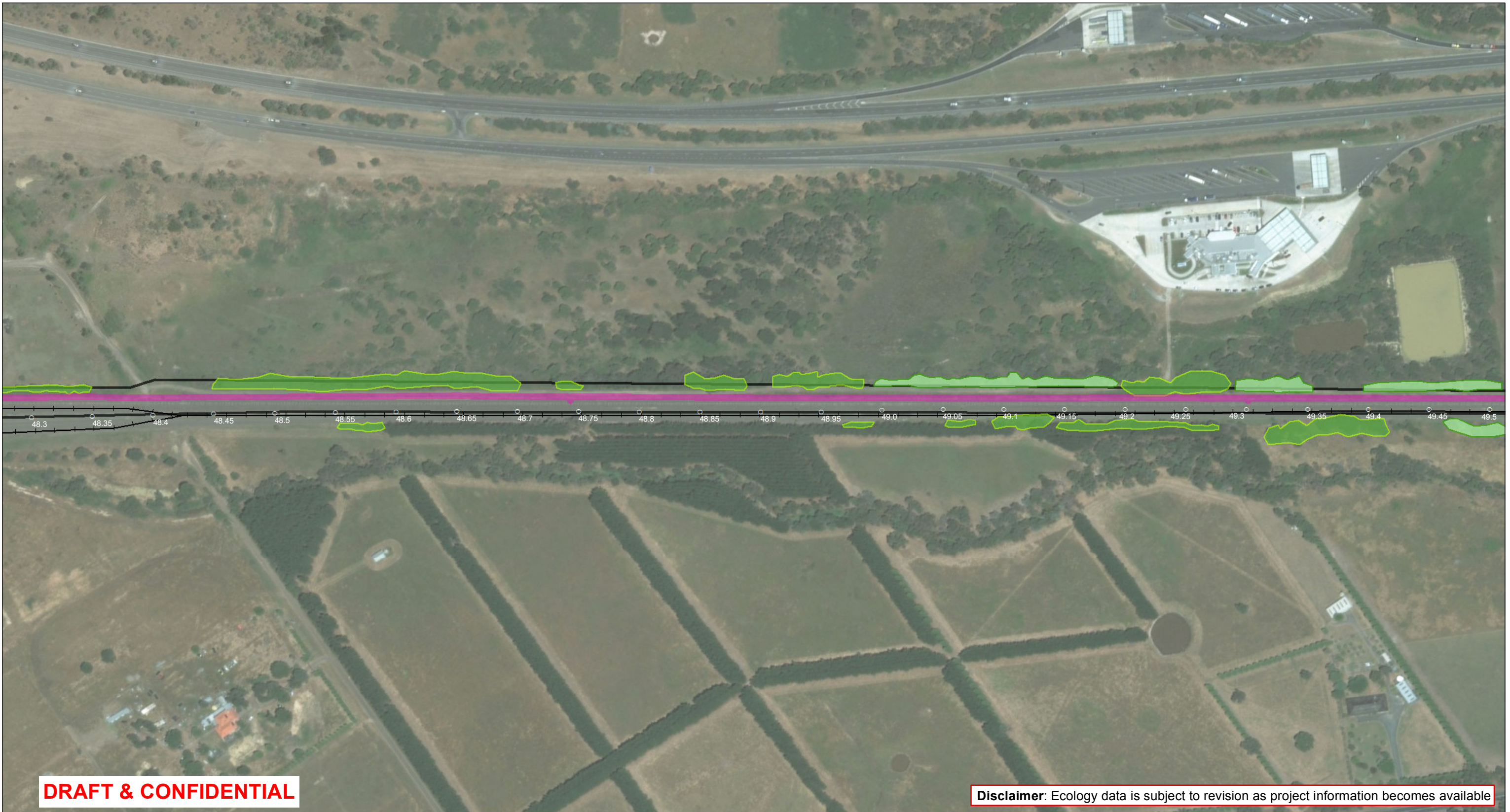
Data Sources:
 AJM 2018
 DELWP 2018
 Vicmap 2018
 Basemap: ESRI 2018



Regional Rail Revival North-East & Shepparton
 Native Vegetation and Ecological Management Approach

Drawing Number:		Revision:	
NES-AJM-PWD-PWD-MAP-XEV-VIC-0419105		A.2	
Drawn By:	Approved By:	Date:	Map Size:
A. Mattinson	M. Timms	17/09/2019	A3

0 50 100 Metres
 Coordinate System: GDA 1994 MGA Zone 55



DRAFT & CONFIDENTIAL

Disclaimer: Ecology data is subject to revision as project information becomes available

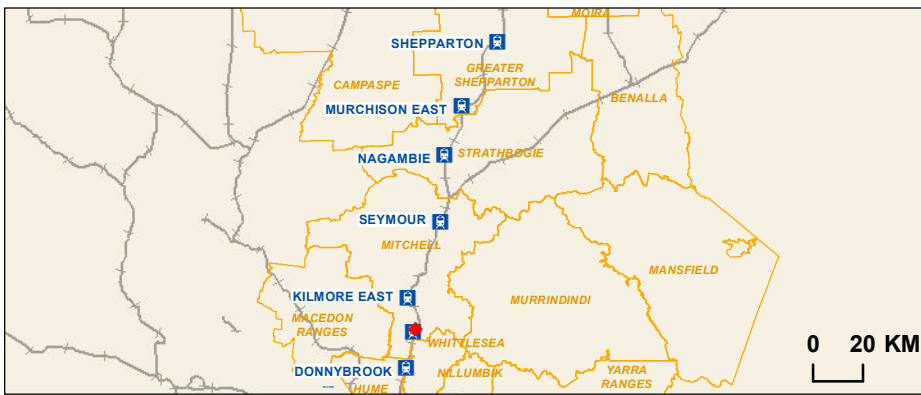
- Project area
- Preferred construction footprint**
- Signalling works area

- Management Approach**
- Priority Avoid
- Ecological No Go Zone

- Native Vegetation**
- Swampy Riparian Woodland
- Valley Grassy Forest

Map 10 of 115

Data Sources:
 AJM 2018
 DELWP 2018
 Vicmap 2018
 Basemap: ESRI 2018

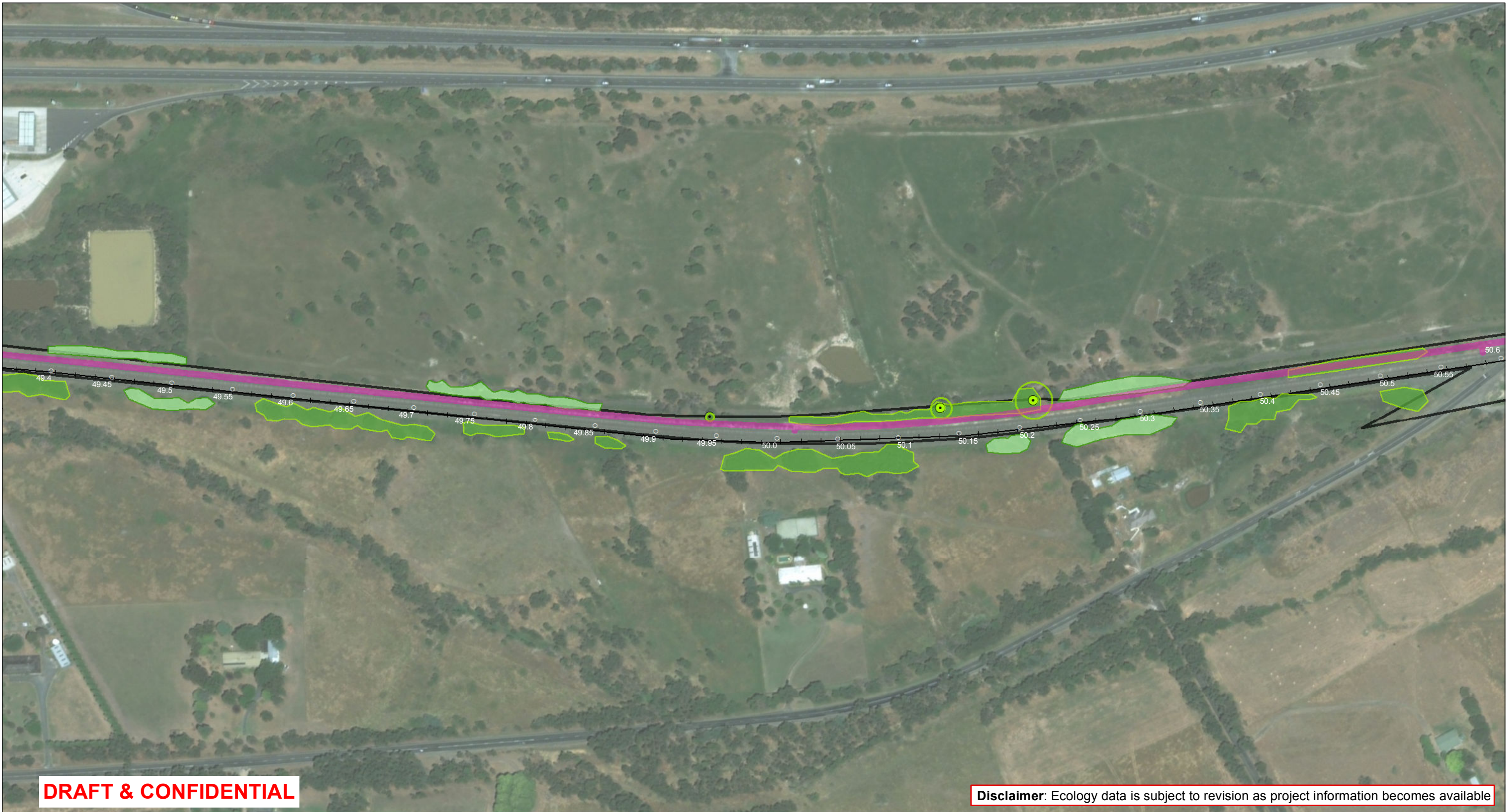


**Regional Rail Revival
 North-East & Shepparton**
 Native Vegetation and
 Ecological Management Approach

Drawing Number: NES-AJM-PWD-PWD-MAP-XEV-VIC-0419105
 Revision: A.2

Drawn By: A. Mattinson	Approved By: M. Timms	Date: 17/09/2019	Map Size: A3
---------------------------	--------------------------	---------------------	-----------------

0 50 100
 Metres
 Coordinate System: GDA 1994 MGA Zone 55



DRAFT & CONFIDENTIAL

Disclaimer: Ecology data is subject to revision as project information becomes available

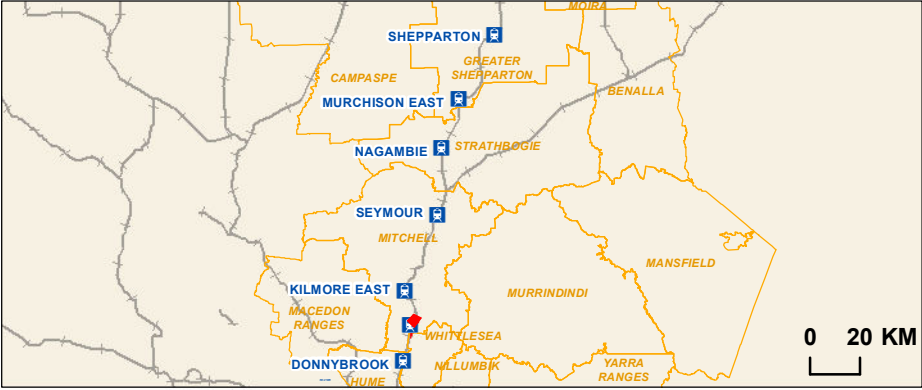
- Project area
- Preferred construction footprint**
- Signalling works area

- Management Approach**
- Priority Avoid
- Ecological No Go Zone

- Native Vegetation**
- Swampy Riparian Woodland
- Valley Grassy Forest
- Tree
- Large Tree
- Tree Protection Zone

Map 11 of 115

Data Sources:
 AJM 2018
 DELWP 2018
 Vicmap 2018
 Basemap: ESRI 2018

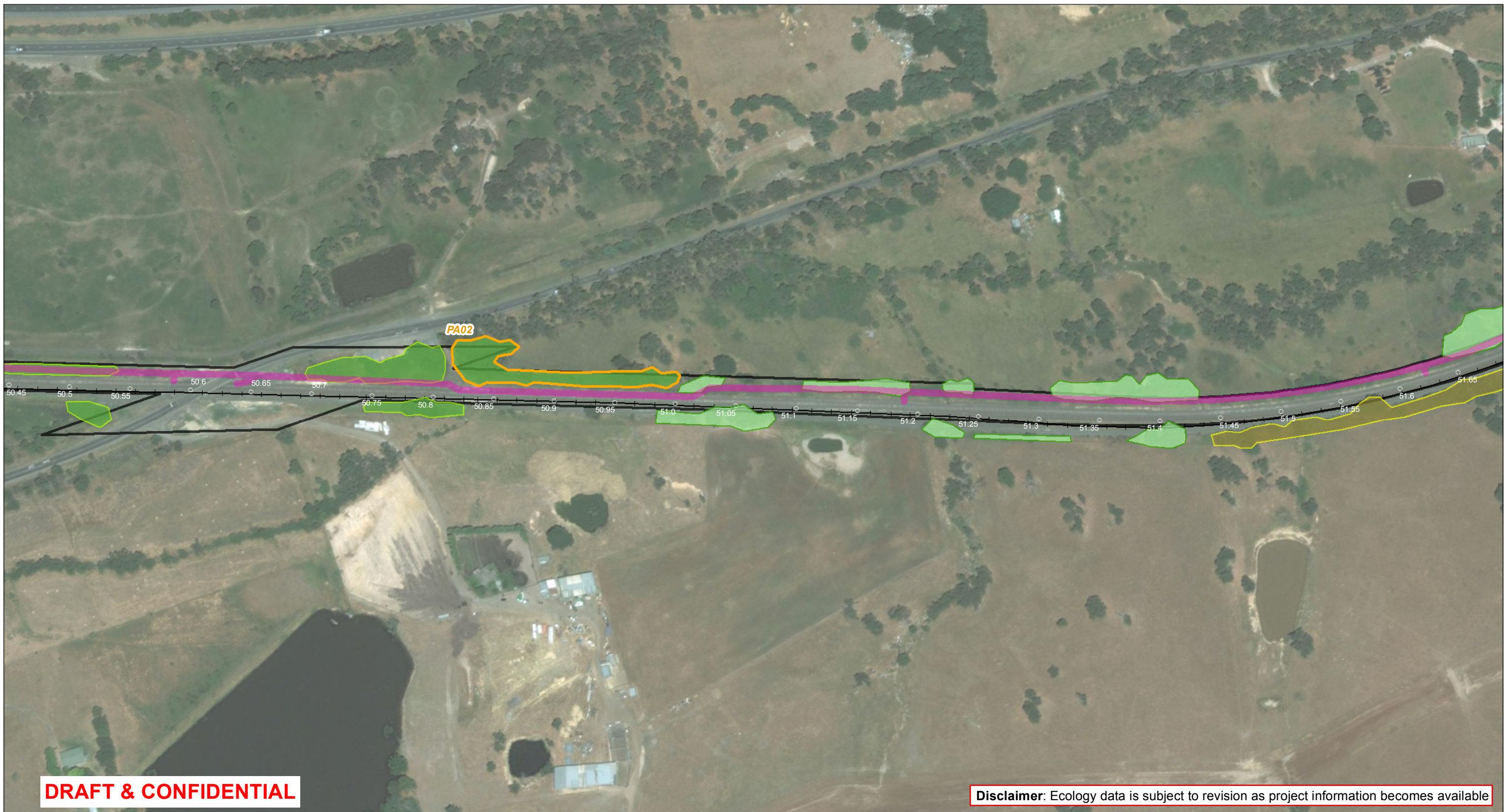


Regional Rail Revival North-East & Shepparton
 Native Vegetation and Ecological Management Approach

Drawing Number: NES-AJM-PWD-PWD-MAP-XEV-VIC-0419105
 Revision: A.2

Drawn By: A. Mattinson	Approved By: M. Timms	Date: 17/09/2019	Map Size: A3
---------------------------	--------------------------	---------------------	-----------------

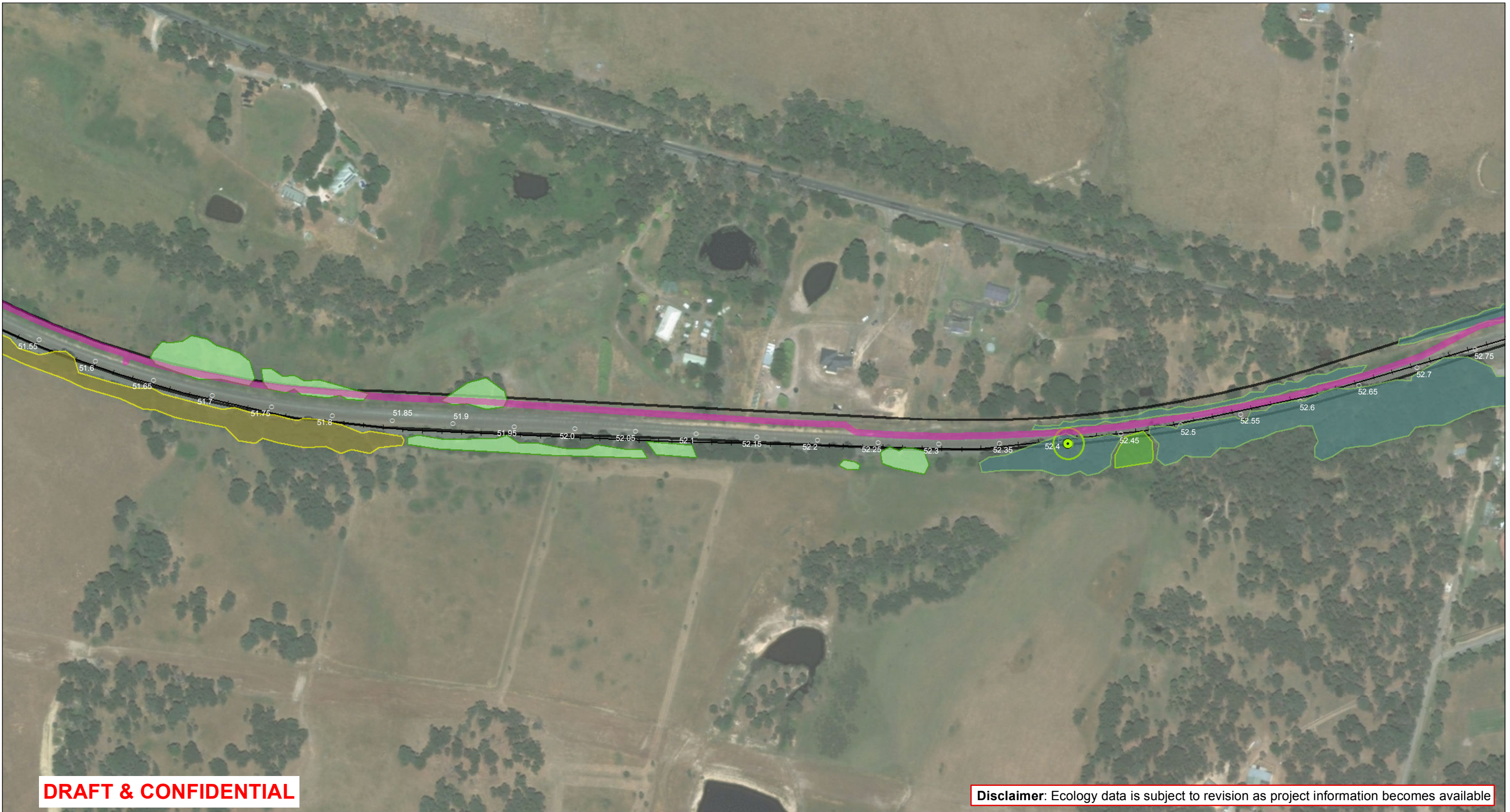
0 50 100
 Metres
 Coordinate System: GDA 1994 MGA Zone 55



DRAFT & CONFIDENTIAL

Disclaimer: Ecology data is subject to revision as project information becomes available

<p>Project area</p> <p>Preferred construction footprint</p> <p>Signalling works area</p>	<p>Management Approach</p> <p>Priority Avoid</p> <p>Ecological No Go Zone</p>	<p>Native Vegetation</p> <p>Swampy Riparian Woodland</p> <p>Valley Grassy Forest</p> <p>Valley Heathy Forest</p>	<p>Map 12 of 115</p>	<p>0 20 KM</p>		<p>Regional Rail Revival North-East & Shepparton</p> <p>Native Vegetation and Ecological Management Approach</p> <p>Drawing Number: NES-AJM-PWD-PWD-MAP-XEV-VIC-0419105</p> <p>Revision: A.2</p> <table border="1"> <tr> <td>Drawn By: A. Mattinson</td> <td>Approved By: M. Timms</td> <td>Date: 17/09/2019</td> <td>Map Size: A3</td> </tr> </table> <p>0 50 100 Metres</p> <p>Coordinate System: GDA 1994 MGA Zone 55</p>	Drawn By: A. Mattinson	Approved By: M. Timms	Date: 17/09/2019	Map Size: A3
Drawn By: A. Mattinson	Approved By: M. Timms	Date: 17/09/2019	Map Size: A3							



DRAFT & CONFIDENTIAL

Disclaimer: Ecology data is subject to revision as project information becomes available

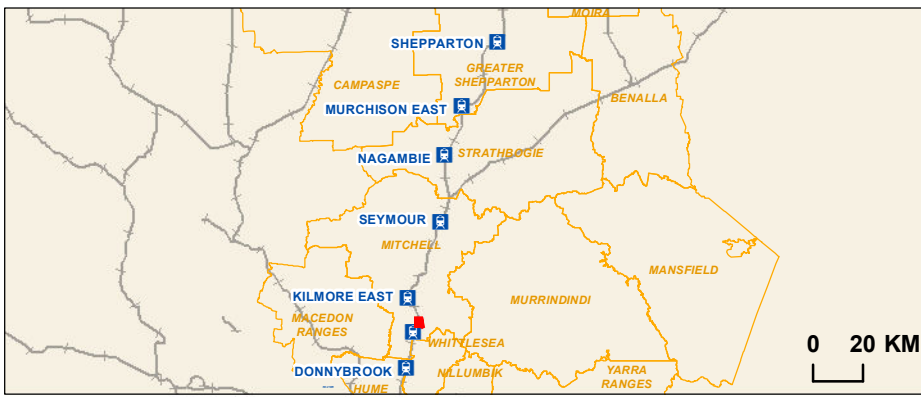
- Project area
- Preferred construction footprint**
- Signalling works area

- Management Approach**
- Priority Avoid
- Ecological No Go Zone

- Native Vegetation**
- Herb-rich Foothill Forest
 - Swampy Riparian Woodland
 - Valley Grassy Forest
 - Valley Heathy Forest
 - Large Tree
 - Tree Protection Zone

Map 13 of 115

Data Sources:
 AJM 2018
 DELWP 2018
 Vicmap 2018
 Basemap: ESRI 2018

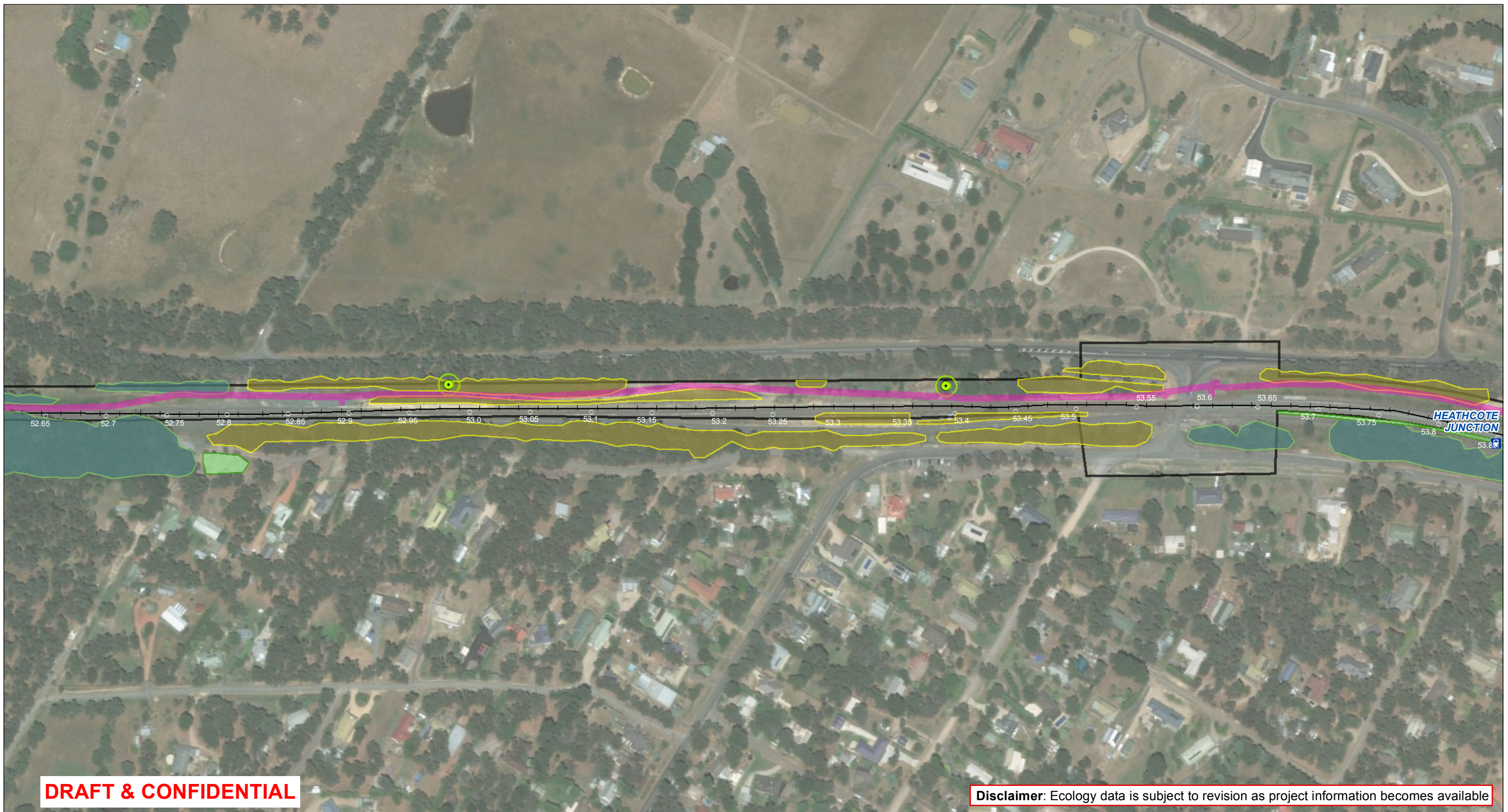


Regional Rail Revival North-East & Shepparton
 Native Vegetation and Ecological Management Approach

Drawing Number: NES-AJM-PWD-PWD-MAP-XEV-VIC-0419105
 Revision: A.2

Drawn By: A. Mattinson	Approved By: M. Timms	Date: 17/09/2019	Map Size: A3
---------------------------	--------------------------	---------------------	-----------------

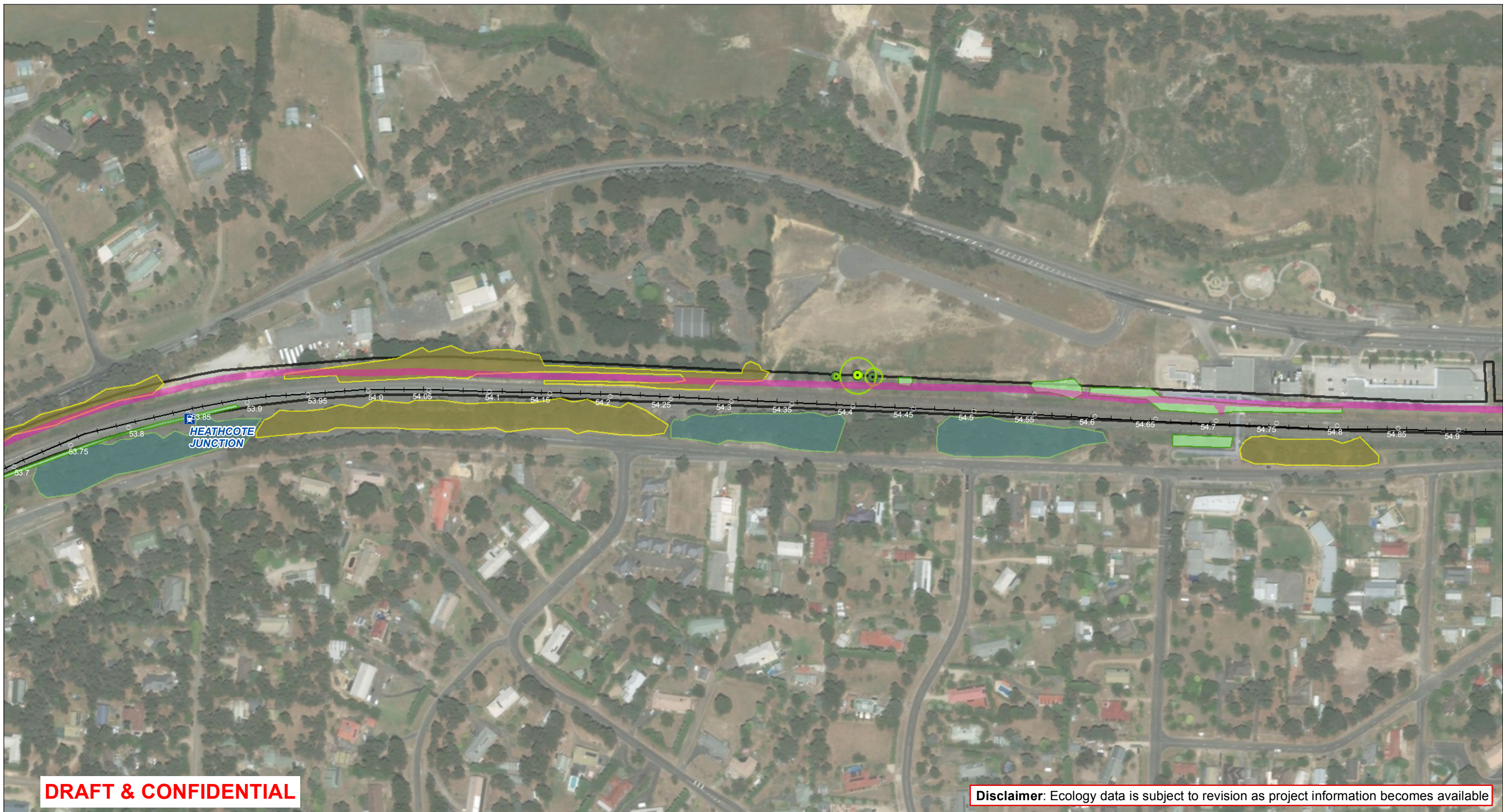
0 50 100 Metres
 Coordinate System: GDA 1994 MGA Zone 55



DRAFT & CONFIDENTIAL

Disclaimer: Ecology data is subject to revision as project information becomes available

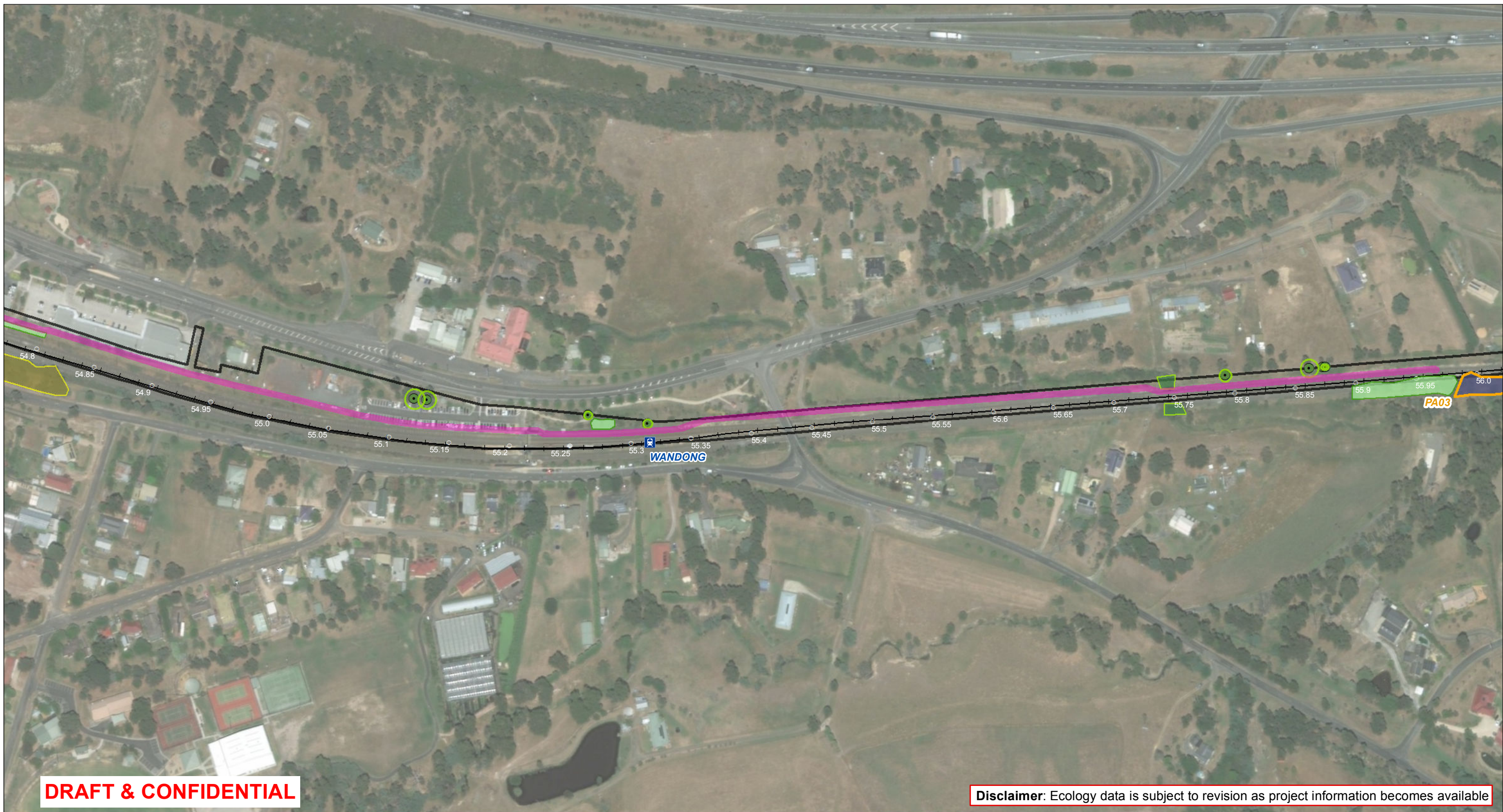
<ul style="list-style-type: none"> Rail station Project area Preferred construction footprint Signalling works area Management Approach Priority Avoid Ecological No Go Zone 	<p>Native Vegetation</p> <ul style="list-style-type: none"> Herb-rich Foothill Forest Valley Grassy Forest Valley Heathy Forest Large Tree Tree Protection Zone 	<p>Map 14 of 115</p> <p>Data Sources: AJM 2018 DELWP 2018 Vicmap 2018 Basemap: ESRI 2018</p>	<p>0 20 KM</p>	<div style="display: flex; justify-content: space-between;"> <div data-bbox="2021 1717 2309 2011"> </div> <div data-bbox="2318 1682 2881 2032"> <p>Regional Rail Revival North-East & Shepparton</p> <p>Native Vegetation and Ecological Management Approach</p> <p>Drawing Number: NES-AJM-PWD-PWD-MAP-XEV-VIC-0419105</p> <table border="1"> <tr> <td>Drawn By: A. Mattinson</td> <td>Approved By: M. Timms</td> <td>Date: 17/09/2019</td> <td>Revision: A.2</td> </tr> <tr> <td colspan="3"></td> <td>Map Size: A3</td> </tr> </table> <p>0 50 100 Metres</p> <p>Coordinate System: GDA 1994 MGA Zone 55</p> </div> </div>	Drawn By: A. Mattinson	Approved By: M. Timms	Date: 17/09/2019	Revision: A.2				Map Size: A3
Drawn By: A. Mattinson	Approved By: M. Timms	Date: 17/09/2019	Revision: A.2									
			Map Size: A3									



DRAFT & CONFIDENTIAL

Disclaimer: Ecology data is subject to revision as project information becomes available

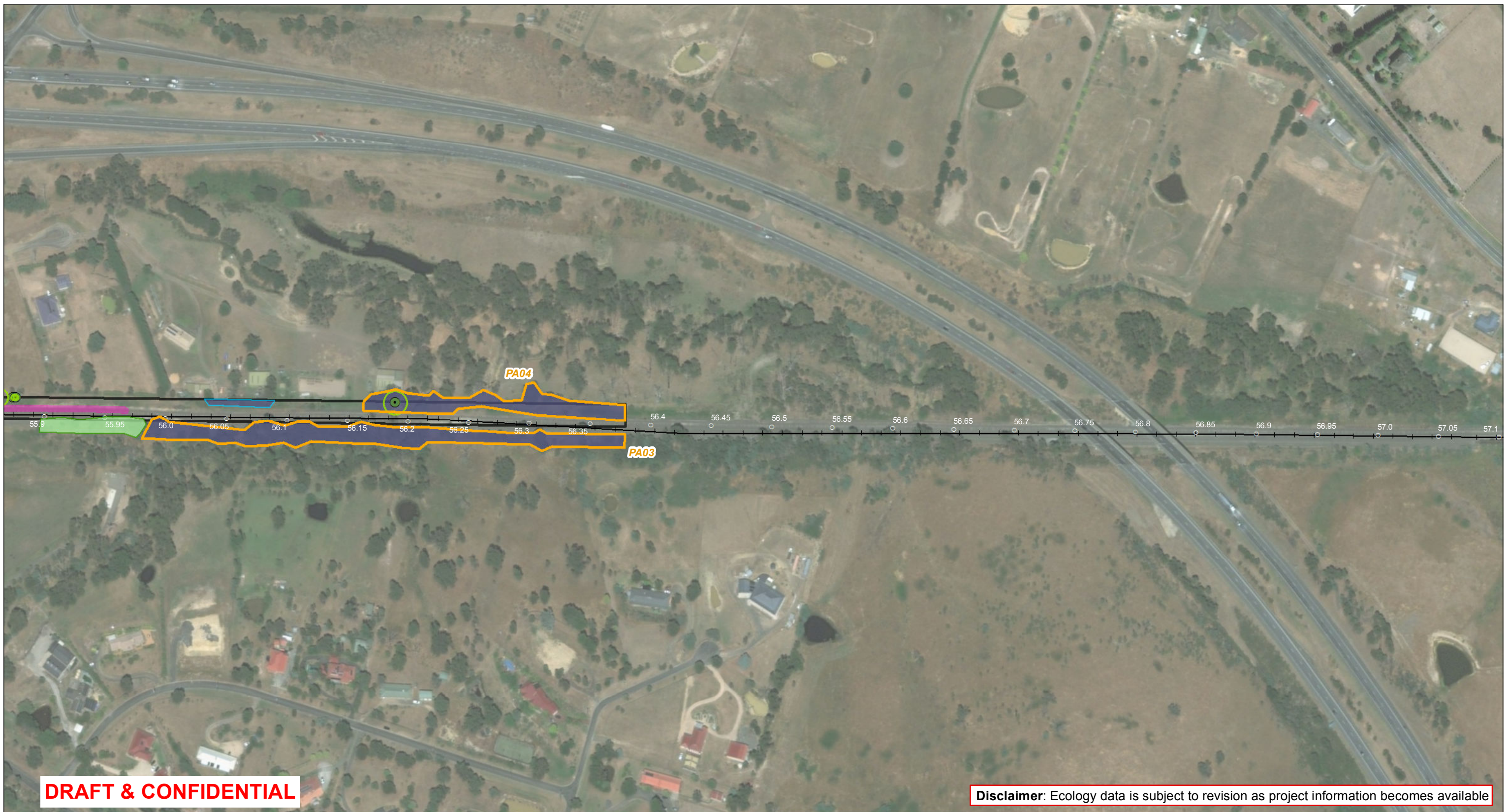
<ul style="list-style-type: none"> Rail station Project area Preferred construction footprint Signalling works area 	<p>Management Approach</p> <ul style="list-style-type: none"> Priority Avoid Ecological No Go Zone 	<p>Native Vegetation</p> <ul style="list-style-type: none"> Herb-rich Foothill Forest Valley Grassy Forest Valley Heathy Forest Tree Large Tree Tree Protection Zone 	<p>Map 15 of 115</p>	<p>0 20 KM</p>		<p>Regional Rail Revival North-East & Shepparton</p> <p>Native Vegetation and Ecological Management Approach</p> <p>Drawing Number: NES-AJM-PWD-PWD-MAP-XEV-VIC-0419105</p> <table border="1"> <tr> <td>Drawn By: A. Mattinson</td> <td>Approved By: M. Timms</td> <td>Date: 17/09/2019</td> <td>Revision: A.2</td> </tr> <tr> <td colspan="3"></td> <td>Map Size: A3</td> </tr> </table> <p>0 50 100 Metres</p> <p>Coordinate System: GDA 1994 MGA Zone 55</p>	Drawn By: A. Mattinson	Approved By: M. Timms	Date: 17/09/2019	Revision: A.2				Map Size: A3
Drawn By: A. Mattinson	Approved By: M. Timms	Date: 17/09/2019	Revision: A.2											
			Map Size: A3											



DRAFT & CONFIDENTIAL

Disclaimer: Ecology data is subject to revision as project information becomes available

<ul style="list-style-type: none"> Rail station Project area Preferred construction footprint Signalling works area 	<p>Management Approach</p> <ul style="list-style-type: none"> Priority Avoid Ecological No Go Zone 	<p>Native Vegetation</p> <ul style="list-style-type: none"> Riparian Forest Tall Marsh Valley Grassy Forest Valley Heathy Forest Tree Tree Protection Zone 	<p>Map 16 of 115</p>			<p>Regional Rail Revival North-East & Shepparton Native Vegetation and Ecological Management Approach</p> <p>Drawing Number: NES-AJM-PWD-PWD-MAP-XEV-VIC-0419105 Revision: A.2</p> <table border="1"> <tr> <td>Drawn By: A. Mattinson</td> <td>Approved By: M. Timms</td> <td>Date: 17/09/2019</td> <td>Map Size: A3</td> </tr> </table> <p> 0 50 100 Metres Coordinate System: GDA 1994 MGA Zone 55</p>	Drawn By: A. Mattinson	Approved By: M. Timms	Date: 17/09/2019	Map Size: A3
Drawn By: A. Mattinson	Approved By: M. Timms	Date: 17/09/2019	Map Size: A3							



DRAFT & CONFIDENTIAL

Disclaimer: Ecology data is subject to revision as project information becomes available

<p>Project area</p> <p>Preferred construction footprint</p> <p>Signalling works area</p>	<p>Management Approach</p> <p>Priority Avoid</p> <p>Ecological No Go Zone</p>	<p>Native Vegetation</p> <p>Riparian Forest</p> <p>Valley Grassy Forest</p> <p>Tree</p> <p>Tree Protection Zone</p>	<p>Map 17 of 115</p>	<p>0 20 KM</p>		<p>Regional Rail Revival North-East & Shepparton</p> <p>Native Vegetation and Ecological Management Approach</p> <p>Drawing Number: NES-AJM-PWD-PWD-MAP-XEV-VIC-0419105</p> <p>Revision: A.2</p> <table border="1"> <tr> <td>Drawn By: A. Mattinson</td> <td>Approved By: M. Timms</td> <td>Date: 17/09/2019</td> <td>Map Size: A3</td> </tr> </table> <p>0 50 100 Metres</p> <p>Coordinate System: GDA 1994 MGA Zone 55</p>	Drawn By: A. Mattinson	Approved By: M. Timms	Date: 17/09/2019	Map Size: A3
Drawn By: A. Mattinson	Approved By: M. Timms	Date: 17/09/2019	Map Size: A3							