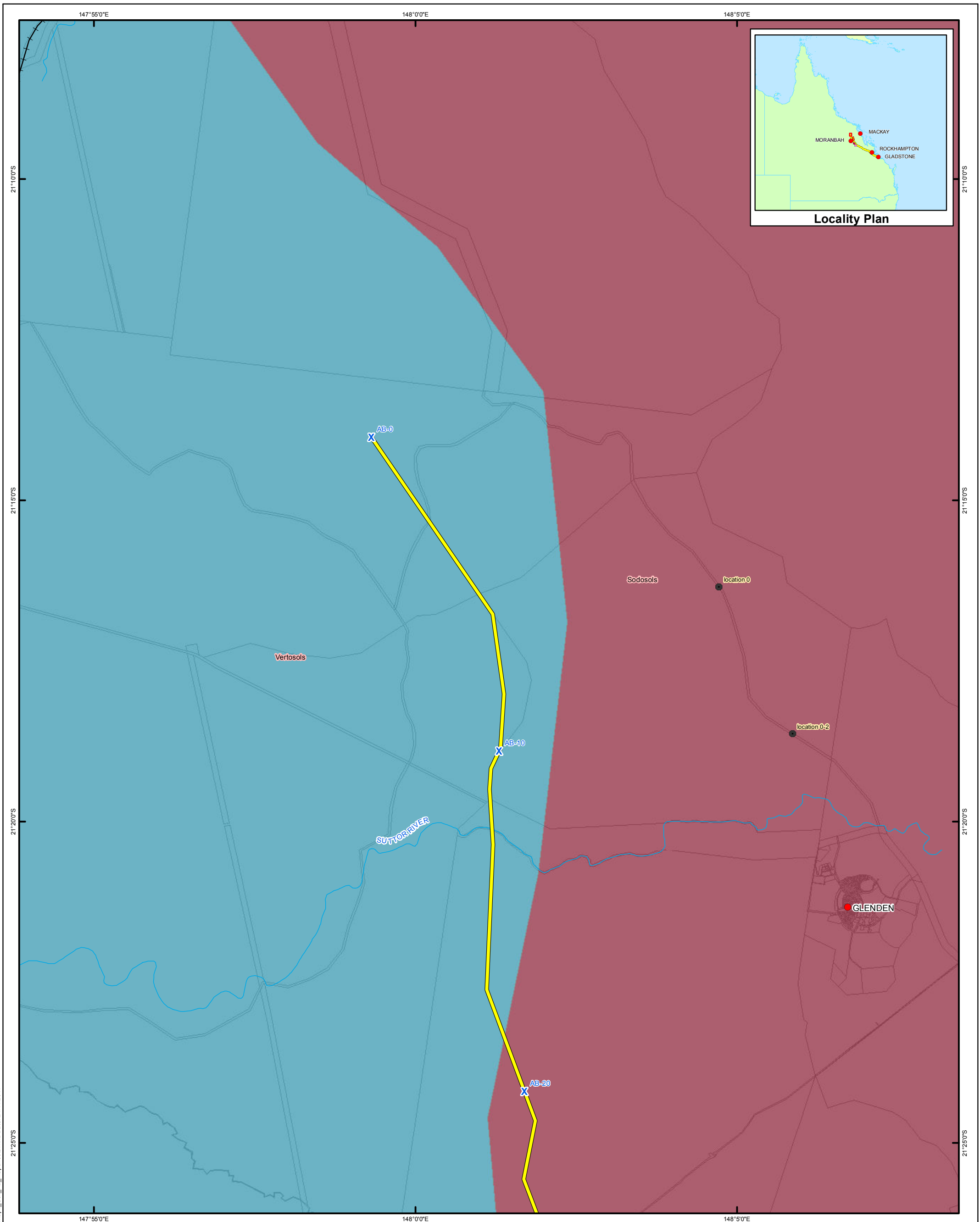


ARROW BOWEN PIPELINE PRELIMINARY ROUTE (REV D)



Map 7: Soils

<ul style="list-style-type: none"> ● Soil Sampling Locations ● Localities X Kilometre Points — AB Mainline Rev D — Dysart Lateral Rev D — Elphinstone Lateral Rev D — Saraji Lateral Rev D — Railways 	<ul style="list-style-type: none"> — Highways — Major Roads — Major Watercourses — Cadastre 	<ul style="list-style-type: none"> Soil Chromosols Demosols Ferrosols Hydrosols Kandosols 	<ul style="list-style-type: none"> Podosols Rudosols Sodosols Tenosols Vertosols
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Data Sources:
 StreetPro: Localities, Roads, Railways
 DERM: Cadastre, Major Watercourses
 Department of Natural Resources, Mines and Water: Soil Data
 Data Supplied by Arrow Energy: ABP Mainline RevD, ABP Lateral RevD, Kilometre Points
 Data Digitised by SKM: Soil Sampling Locations

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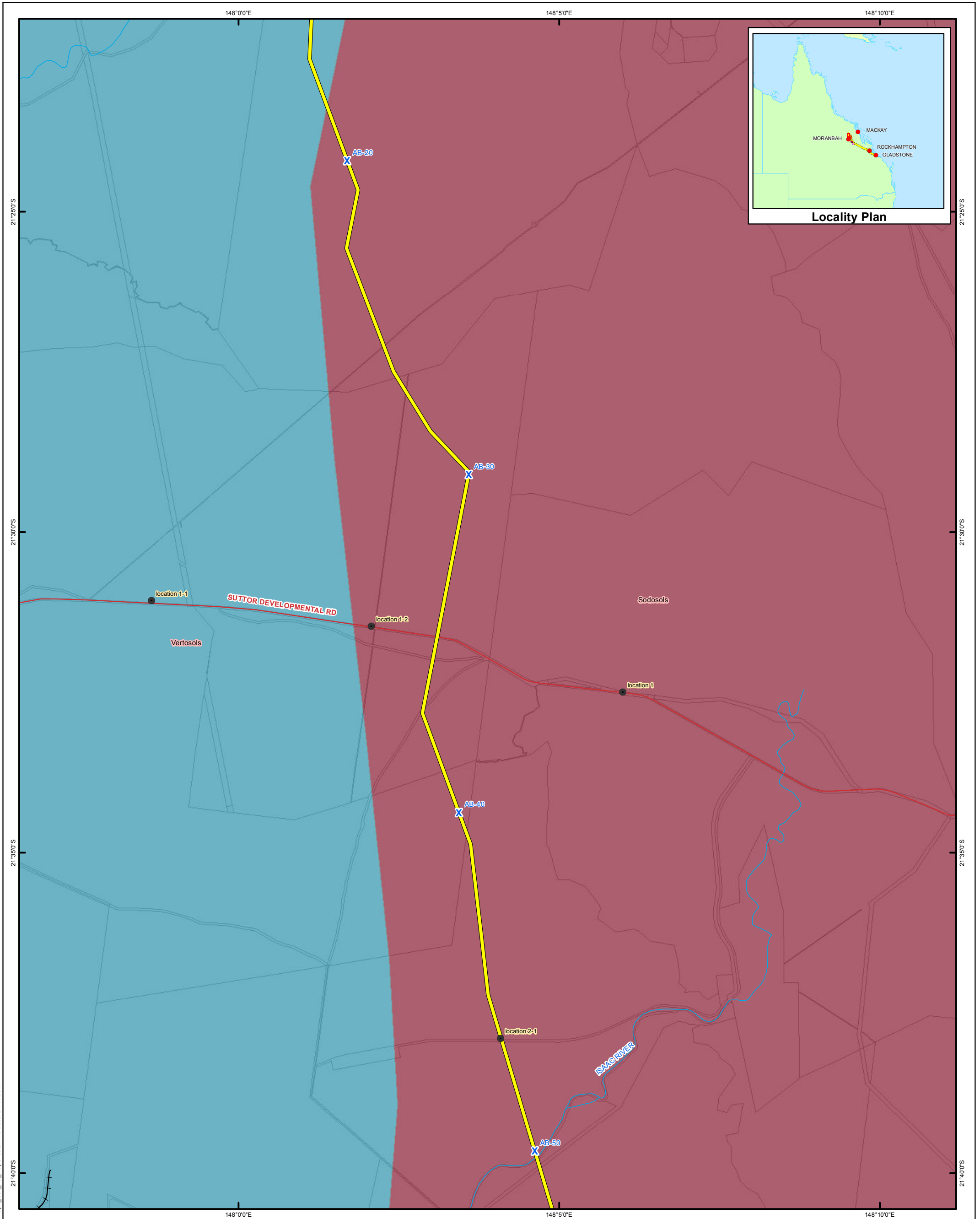
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ARROW BOWEN PIPELINE PRELIMINARY ROUTE (REV D)



Map 7: Soils

Legend			
● Soil Sampling Locations	— Highways	Soil	■ Podosols
● Localities	— Major Roads	■ Chromosols	■ Rudosols
✕ Kilometre Points	— Major Watercourses	■ Dermosols	■ Sodosols
— AB Mainline Rev D	— Cadastre	■ Ferrosols	■ Tenosols
— Dysart Lateral Rev D		■ Hydrosols	■ Vertosols
— Elphinstone Lateral Rev D		■ Kandosols	
— Saraji Lateral Rev D			
— Railways			

Data Sources:
 StreetPro: Localities, Roads, Railways
 DERM: Cadastre, Major Watercourses
 Department of Natural Resources, Mines and Water: Soil
 Data Supplied by Arrow Energy:
 ABP Mainline RevD, ABP Lateral RevD,
 Kilometre Points
 Data Digitised by SKM: Soil Sampling
 Locations

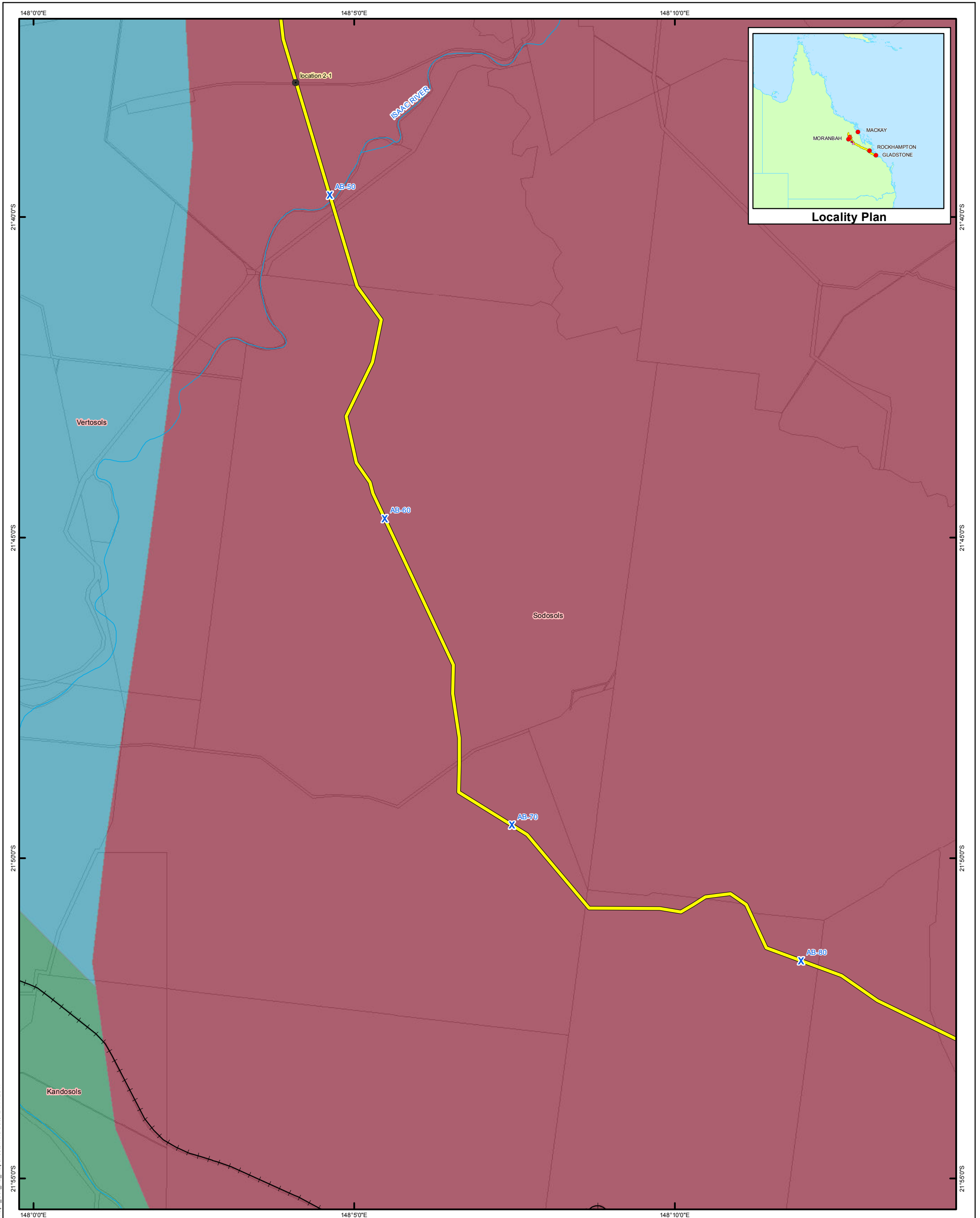
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Kilometres

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ARROW BOWEN PIPELINE PRELIMINARY ROUTE (REV D)



Map 7: Soils

Legend			
● Soil Sampling Locations	— Highways	Soil	Podosols
● Localities	— Major Roads	Chromosols	Rudosols
× Kilometre Points	— Major Watercourses	Dermosols	Sodosols
— AB Mainline Rev D	— Cadastre	Ferrosols	Tenosols
— Dysart Lateral Rev D		Hydrosols	Vertosols
— Elphinstone Lateral Rev D		Kandosols	
— Saraji Lateral Rev D			
— Railways			

Data Sources:
 StreetPro: Localities, Roads, Railways
 DERM: Cadastre, Major Watercourses
 Department of Natural Resources, Mines and Water: Soil Data
 Data Supplied by Arrow Energy: ABP Mainline RevD, ABP Lateral RevD, Kilometre Points
 Data Digitised by SKM: Soil Sampling Locations

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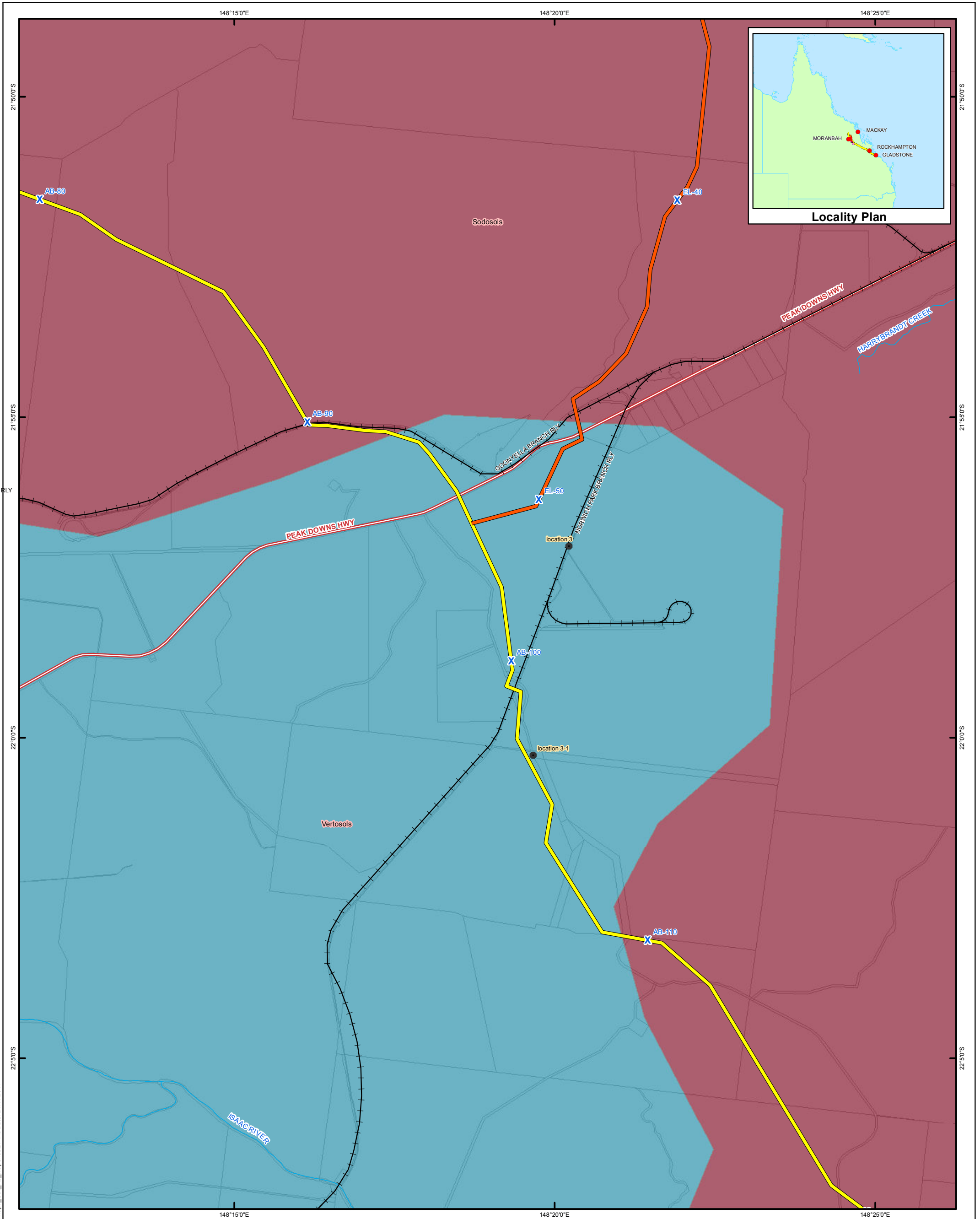
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ARROW BOWEN PIPELINE PRELIMINARY ROUTE (REV D)



Map 7: Soils

Legend			
● Soil Sampling Locations	— Highways	Soil	Podosols
● Localities	— Major Roads	Chromosols	Rudosols
✕ Kilometre Points	— Major Watercourses	Dermosols	Sodosols
— AB Mainline Rev D	— Cadastre	Ferrosols	Tenosols
— Dysart Lateral Rev D		Hydrosols	Vertosols
— Elphinstone Lateral Rev D		Kandosols	
— Saraji Lateral Rev D			
— Railways			

Data Sources:
 StreetPro: Localities, Roads, Railways
 DERM: Cadastre, Major Watercourses
 Department of Natural Resources, Mines and Water: Soil
 Data Supplied by Arrow Energy:
 ABP Mainline RevD, ABP Lateral RevD,
 Kilometre Points
 Data Digitised by SKM: Soil Sampling
 Locations

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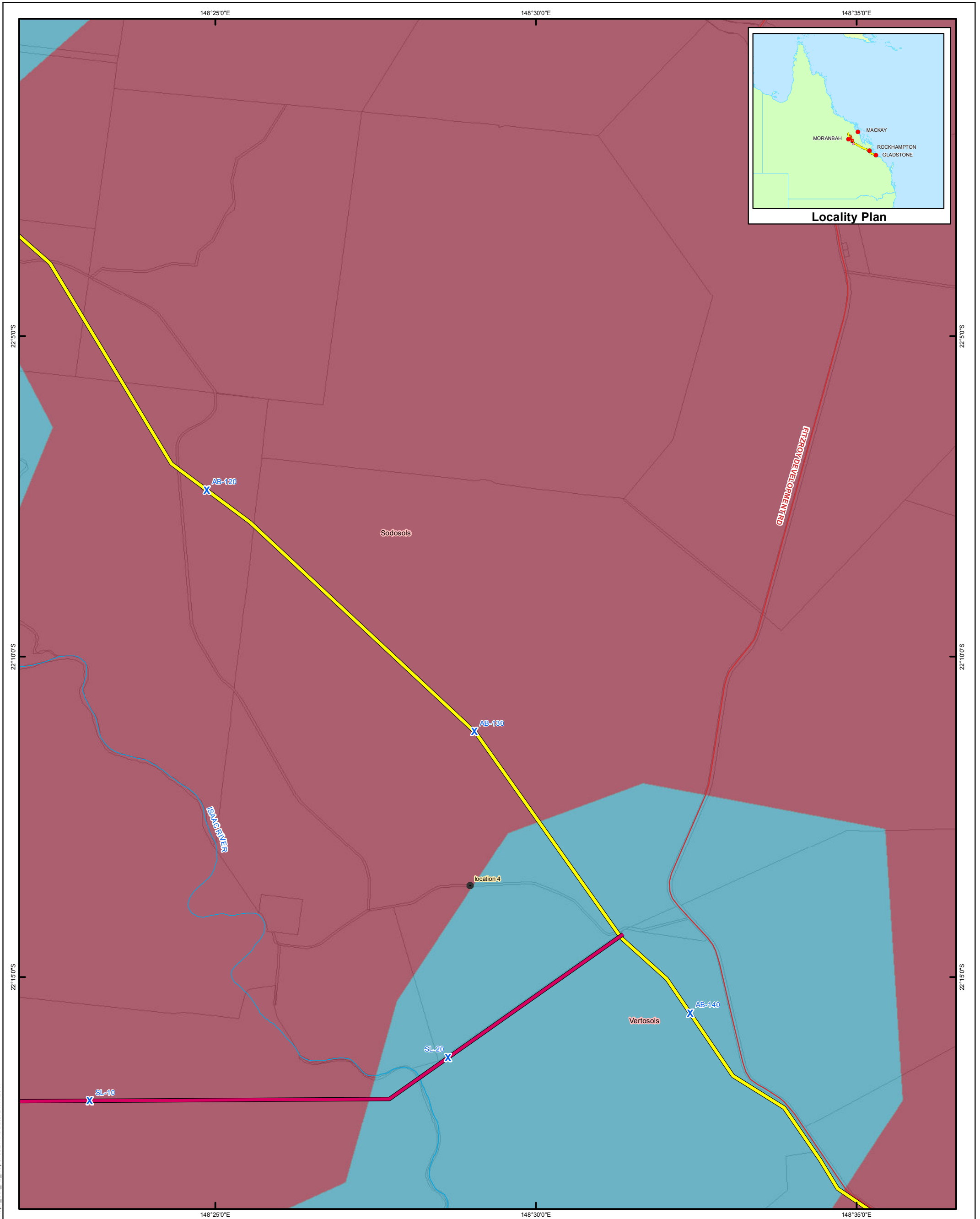
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ARROW BOWEN PIPELINE PRELIMINARY ROUTE (REV D)



Map 7: Soils

Legend			
● Soil Sampling Locations	— Highways	Soil	Podosols
● Localities	— Major Roads	Chromosols	Rudosols
X Kilometre Points	— Major Watercourses	Demosols	Sodosols
— AB Mainline Rev D	— Cadastre	Ferrosols	Tenosols
— Dysart Lateral Rev D		Hydrosols	Vertosols
— Elphinstone Lateral Rev D		Kandosols	
— Saraji Lateral Rev D			
— Railways			

Data Sources:
 StreetPro: Localities, Roads, Railways
 DERM: Cadastre, Major Watercourses
 Department of Natural Resources, Mines and Water: Soil
 Data Supplied by Arrow Energy:
 ABP Mainline RevD, ABP Lateral RevD,
 Kilometre Points
 Data Digitised by SKM: Soil Sampling
 Locations

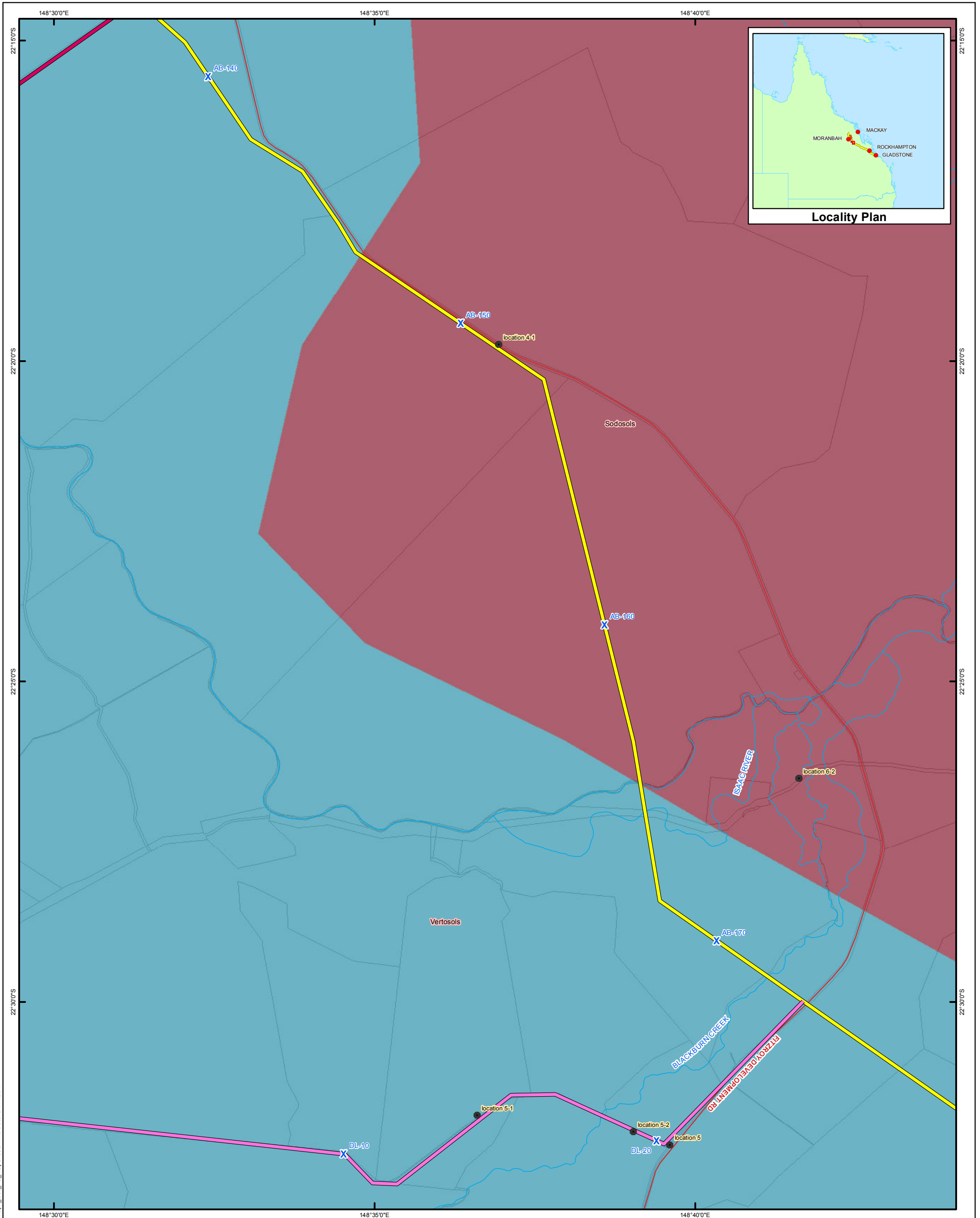
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ARROW BOWEN PIPELINE PRELIMINARY ROUTE (REV D)




Map 7: Soils

Legend			
● Soil Sampling Locations	— Highways	Soil	■ Podosols
● Localities	— Major Roads	■ Chromosols	■ Rudosols
✕ Kilometre Points	— Major Watercourses	■ Demosols	■ Sodosols
— AB Mainline Rev D	— Cadastre	■ Ferrosols	■ Tenosols
— Dysart Lateral Rev D		■ Hydrosols	■ Vertosols
— Elphinstone Lateral Rev D		■ Kandosols	
— Saraji Lateral Rev D			
— Railways			

Data Sources:
 StreetPro: Localities, Roads, Railways
 DERM: Cadastre, Major Watercourses
 Department of Natural Resources, Mines and Water: Soil
 Data Supplied by Arrow Energy:
 ABP Mainline RevD, ABP Lateral RevD,
 Kilometre Points
 Data Digitised by SKM: Soil Sampling
 Locations

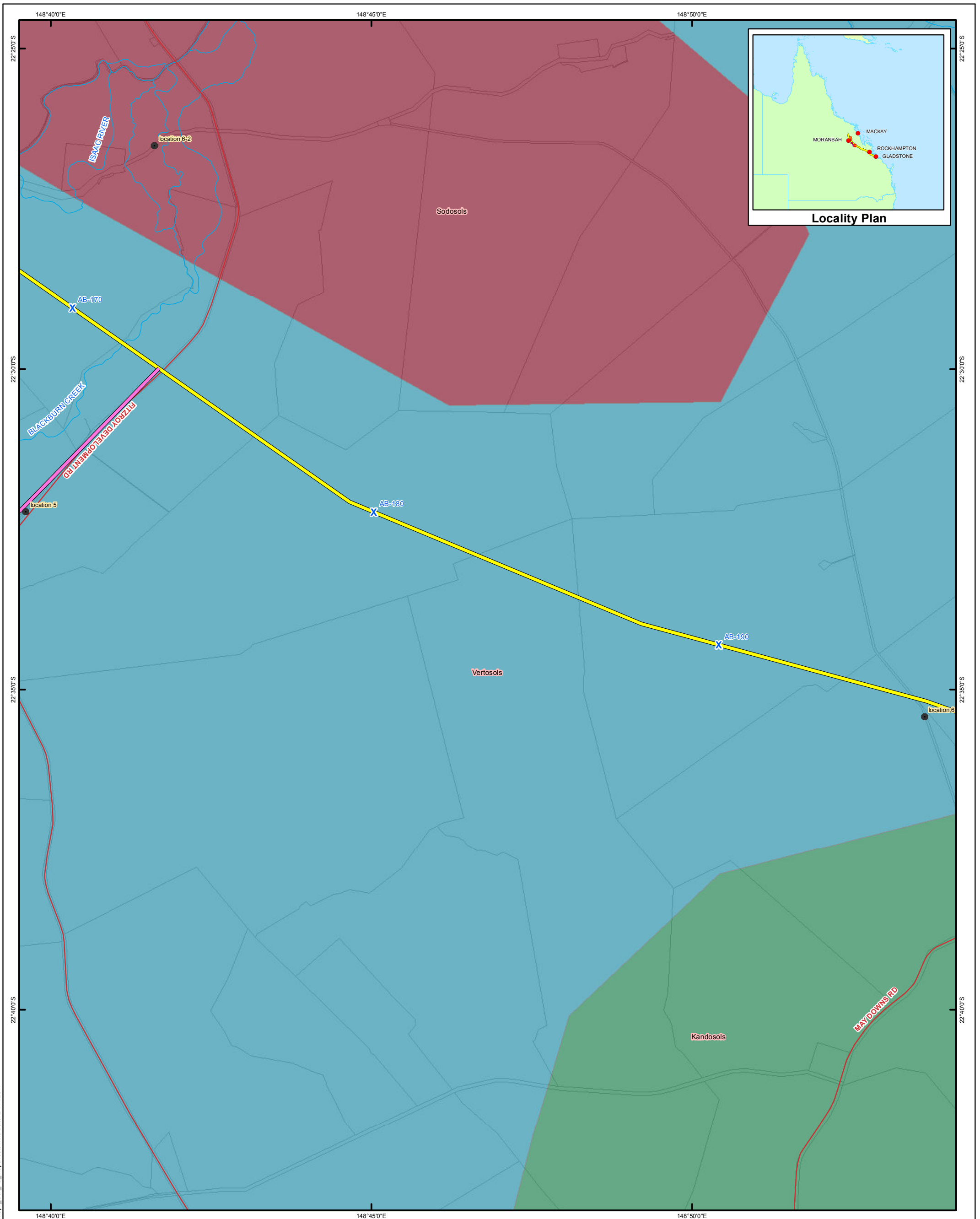


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ARROW BOWEN PIPELINE PRELIMINARY ROUTE (REV D)



Map 7: Soils

Legend			
● Soil Sampling Locations	— Highways	Soil	Podosols
● Localities	— Major Roads	■ Chromosols	■ Rudosols
× Kilometre Points	— Major Watercourses	■ Dermosols	■ Sodosols
— AB Mainline Rev D	— Cadastre	■ Ferrosols	■ Tenosols
— Dysart Lateral Rev D		■ Hydrosols	■ Vertosols
— Elphinstone Lateral Rev D		■ Kandosols	
— Saraji Lateral Rev D			
— Railways			

Data Sources:
 StreetPro: Localities, Roads, Railways
 DERM: Cadastre, Major Watercourses
 Department of Natural Resources, Mines and Water: Soil
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 ABP Mainline RevD, ABP Lateral RevD,
 Kilometre Points
 Data Digitised by SKM: Soil Sampling
 Locations

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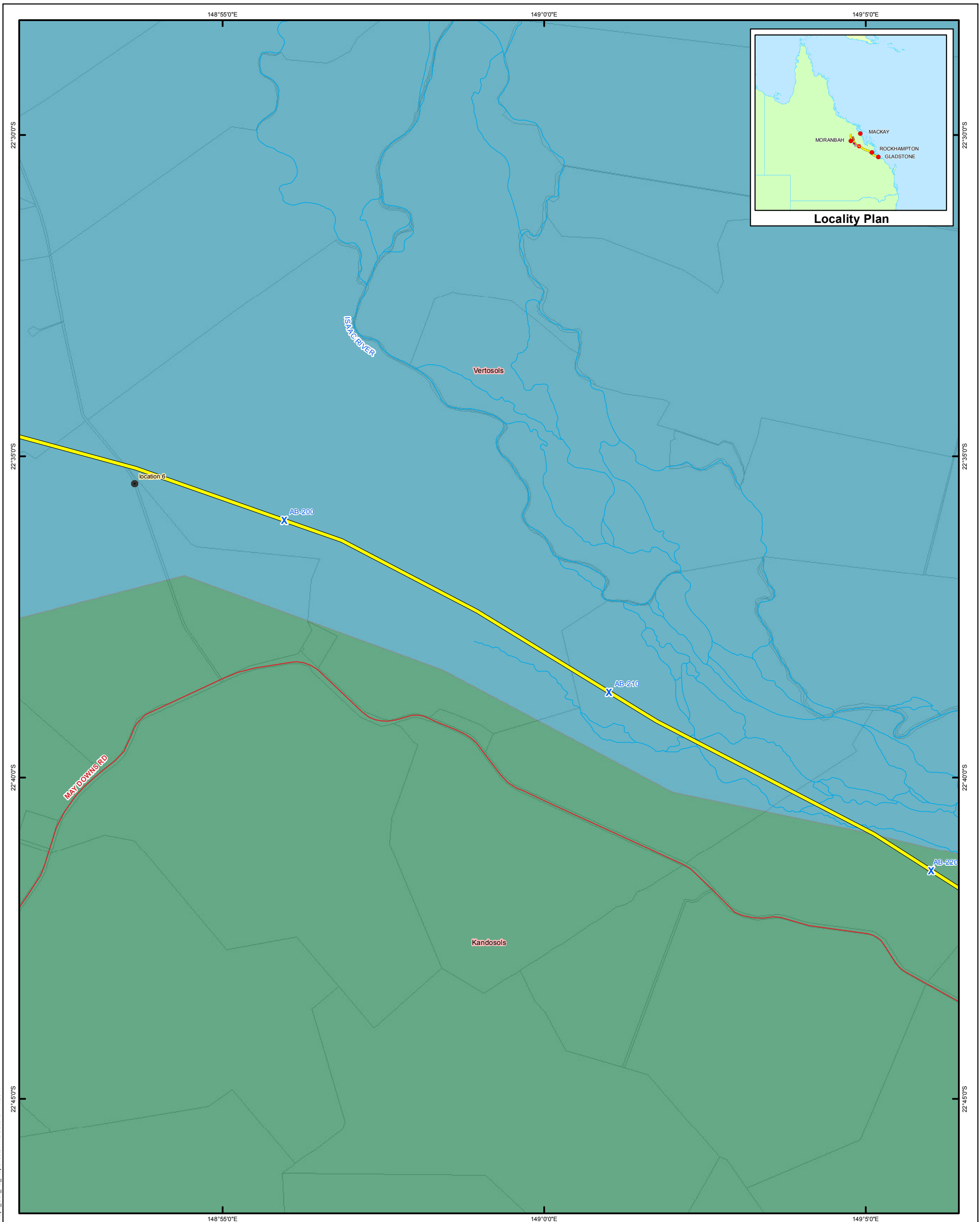
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ARROW BOWEN PIPELINE PRELIMINARY ROUTE (REV D)



Map 7: Soils

Legend			
● Soil Sampling Locations	— Highways	Soil	Podosols
● Localities	— Major Roads	Chromosols	Rudosols
X Kilometre Points	— Major Watercourses	Dermosols	Sodosols
— AB Mainline Rev D	— Cadastre	Ferrosols	Tenosols
— Dysart Lateral Rev D		Hydrosols	Vertosols
— Elphinstone Lateral Rev D		Kandosols	
— Saraji Lateral Rev D			
— Railways			

Data Sources:
 StreetPro: Localities, Roads, Railways
 DERM: Cadastre, Major Watercourses
 Department of Natural Resources, Mines and Water: Soil
 Data Supplied by Arrow Energy:
 ABP Mainline RevD, ABP Lateral RevD,
 Kilometre Points
 Data Digitised by SKM: Soil Sampling
 Locations

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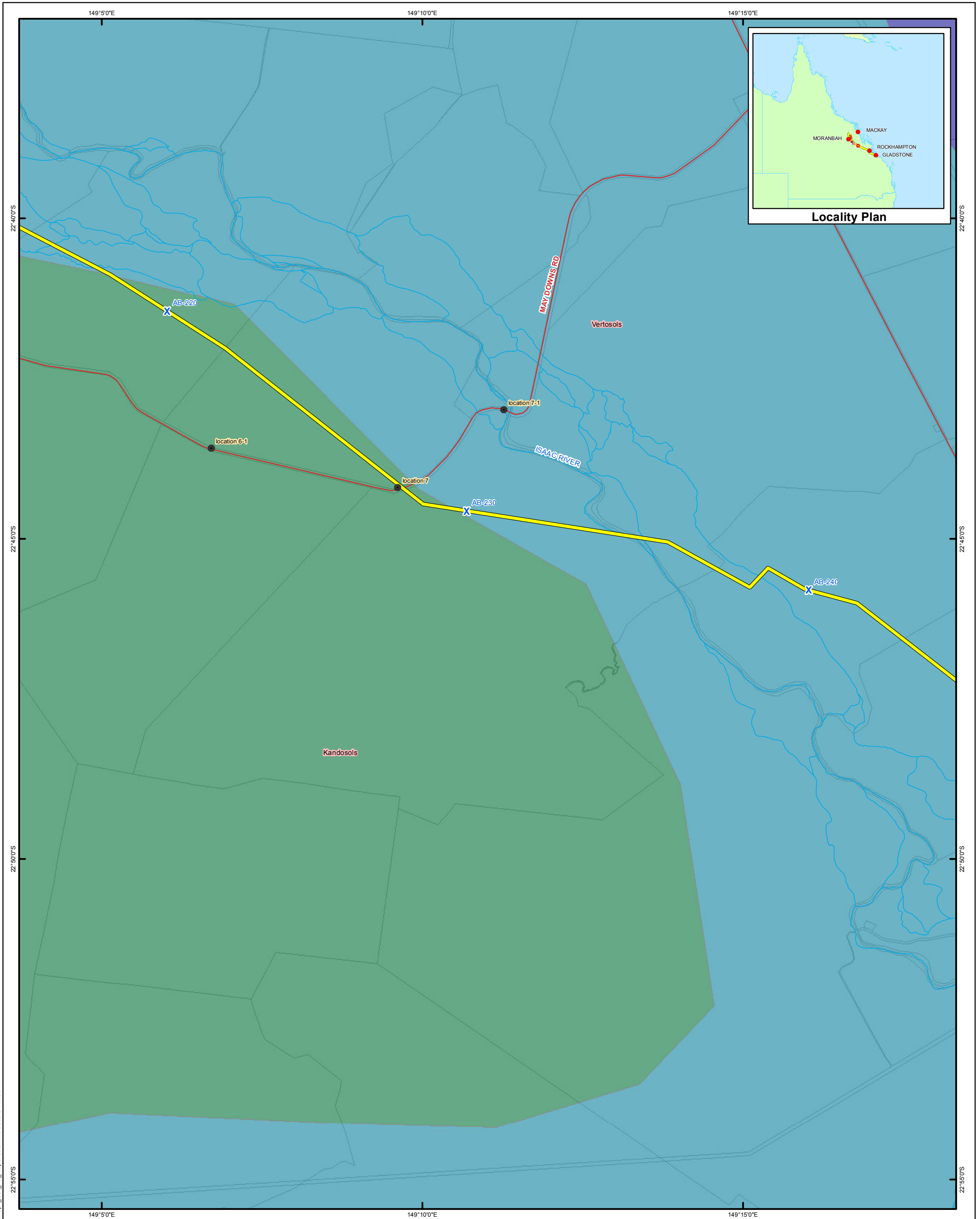
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ARROW BOWEN PIPELINE PRELIMINARY ROUTE (REV D)



Map 7: Soils

Legend			
● Soil Sampling Locations	— Highways	Soil	Podosols
● Localities	— Major Roads	Chromosols	Rudosols
X Kilometre Points	— Major Watercourses	Dermosols	Sodosols
— AB Mainline Rev D	— Cadastre	Ferrosols	Tenosols
— Dysart Lateral Rev D		Hydrosols	Vertosols
— Elphinstone Lateral Rev D		Kandosols	
— Saraji Lateral Rev D			
— Railways			

Data Sources:
 StreetPro: Localities, Roads, Railways
 DERM: Cadastre, Major Watercourses
 Department of Natural Resources, Mines and Water: Soil
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 ABP Mainline RevD, ABP Lateral RevD,
 Kilometre Points
 Data Digitised by SKM: Soil Sampling
 Locations

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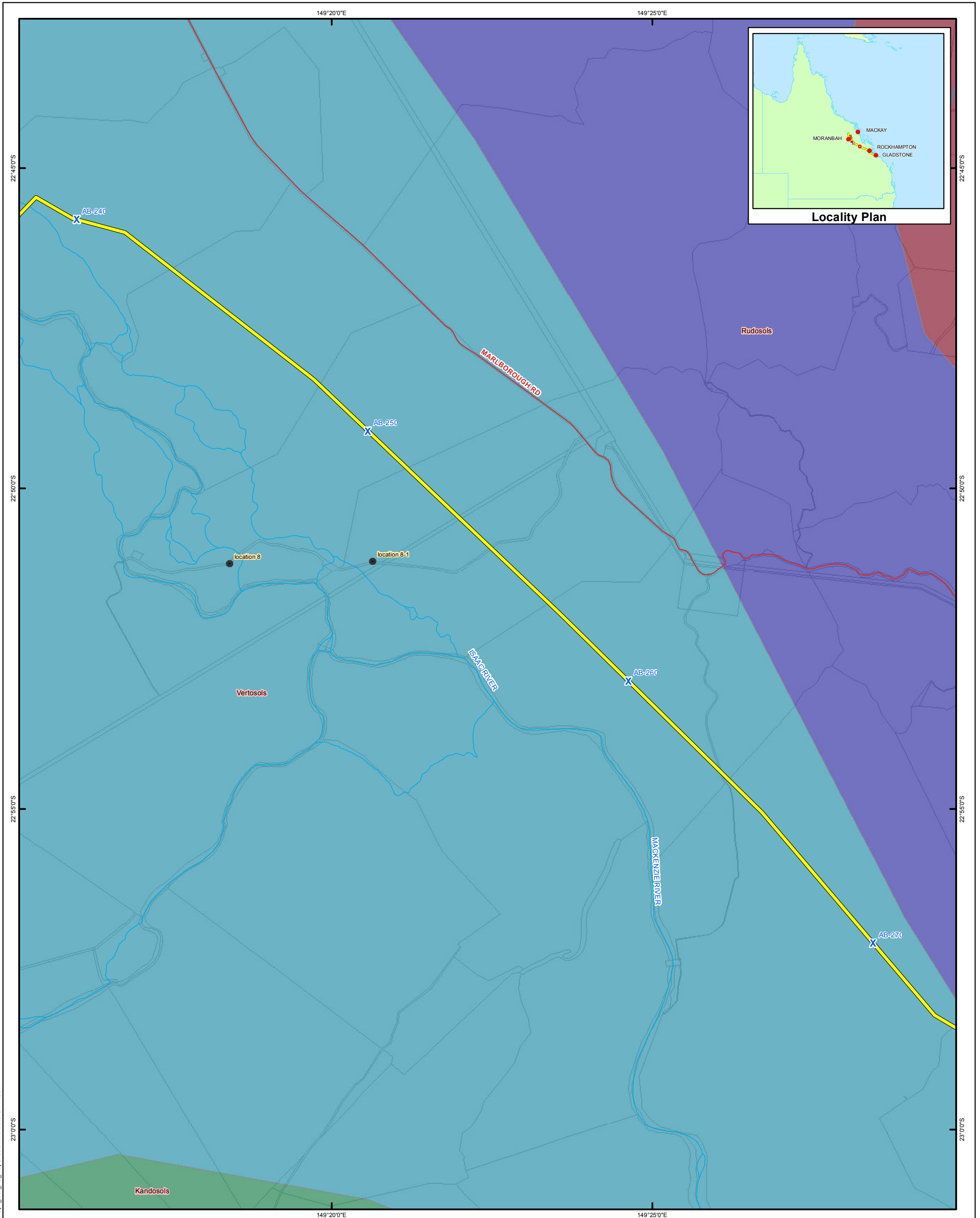
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ARROW BOWEN PIPELINE PRELIMINARY ROUTE (REV D)



Map 7: Soils

Legend			
● Soil Sampling Locations	— Highways	Soil	Podosols
● Localities	— Major Roads	Chromosols	Rudosols
X Kilometre Points	— Major Watercourses	Dermosols	Sodosols
— AB Mainline Rev D	— Cadastre	Ferrosols	Tenosols
— Dysart Lateral Rev D		Hydrosols	Vertosols
— Elphinstone Lateral Rev D		Kandosols	
— Saraji Lateral Rev D			
— Railways			

Data Sources:
 StreetPro: Localities, Roads, Railways
 DERM: Cadastre, Major Watercourses
 Department of Natural Resources, Mines and Water: Soil
 Data Supplied by Arrow Energy:
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 Kilometre Points
 Data Digitised by SKM: Soil Sampling
 Locations

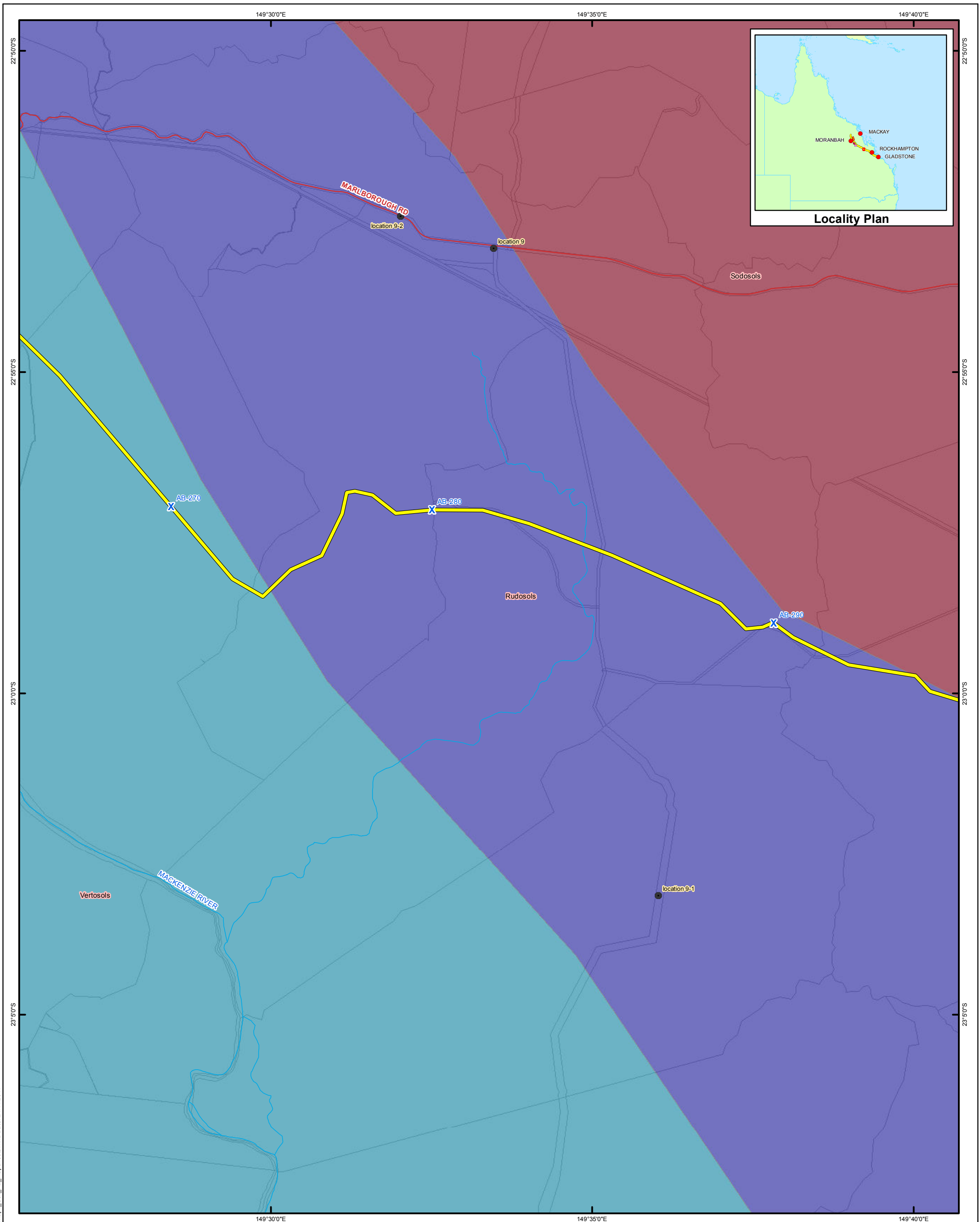
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ARROW BOWEN PIPELINE PRELIMINARY ROUTE (REV D)



Map 7: Soils

Legend	
● Soil Sampling Locations	— Highways
● Localities	— Major Roads
✕ Kilometre Points	— Major Watercourses
— AB Mainline Rev D	— Cadastre
— Dysart Lateral Rev D	
— Elphinstone Lateral Rev D	
— Saraji Lateral Rev D	
— Railways	
Soil	
■ Chromosols	■ Podosols
■ Demosols	■ Rudosols
■ Ferrosols	■ Sodosols
■ Hydrosols	■ Tenosols
■ Kandosols	■ Vertosols

Data Sources:
 StreetPro: Localities, Roads, Railways
 DERM: Cadastre, Major Watercourses
 Department of Natural Resources, Mines and Water: Soil
 Data Supplied by Arrow Energy:
 ABP Mainline RevD, ABP Lateral RevD,
 Kilometre Points
 Data Digitised by SKM: Soil Sampling
 Locations

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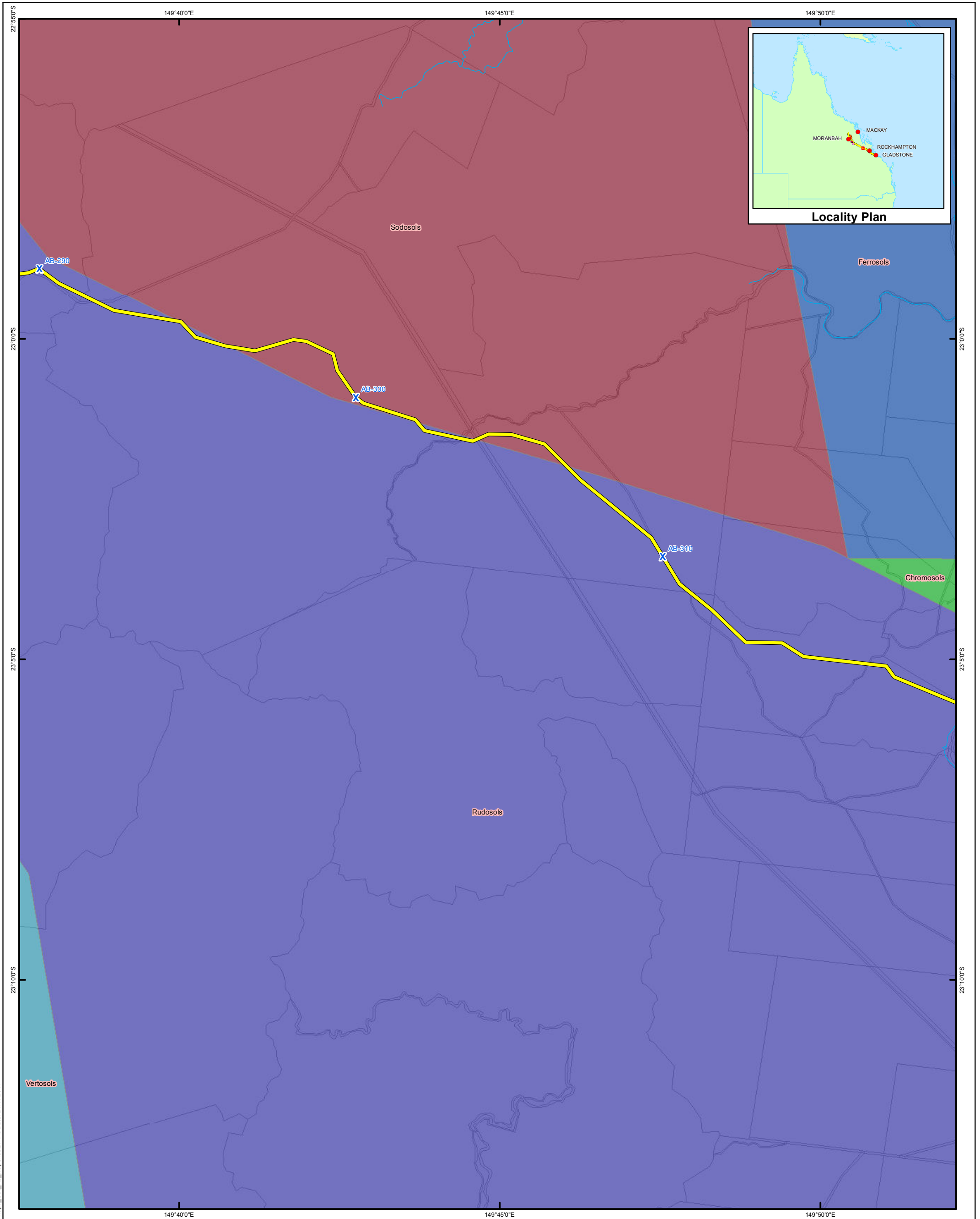
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ARROW BOWEN PIPELINE PRELIMINARY ROUTE (REV D)



Map 7: Soils

Legend			
● Soil Sampling Locations	— Highways	Soil	Podosols
● Localities	— Major Roads	■ Chromosols	■ Rudosols
✕ Kilometre Points	— Major Watercourses	■ Dermosols	■ Sodosols
— AB Mainline Rev D	— Cadastre	■ Ferrosols	■ Tenosols
— Dysart Lateral Rev D		■ Hydrosols	■ Vertosols
— Elphinstone Lateral Rev D		■ Kandosols	
— Saraji Lateral Rev D			
— Railways			

Data Sources:
 StreetPro: Localities, Roads, Railways
 DERM: Cadastre, Major Watercourses
 Department of Natural Resources, Mines and Water: Soil
 Data Supplied by Arrow Energy:
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 Kilometre Points
 Data Digitised by SKM: Soil Sampling
 Locations

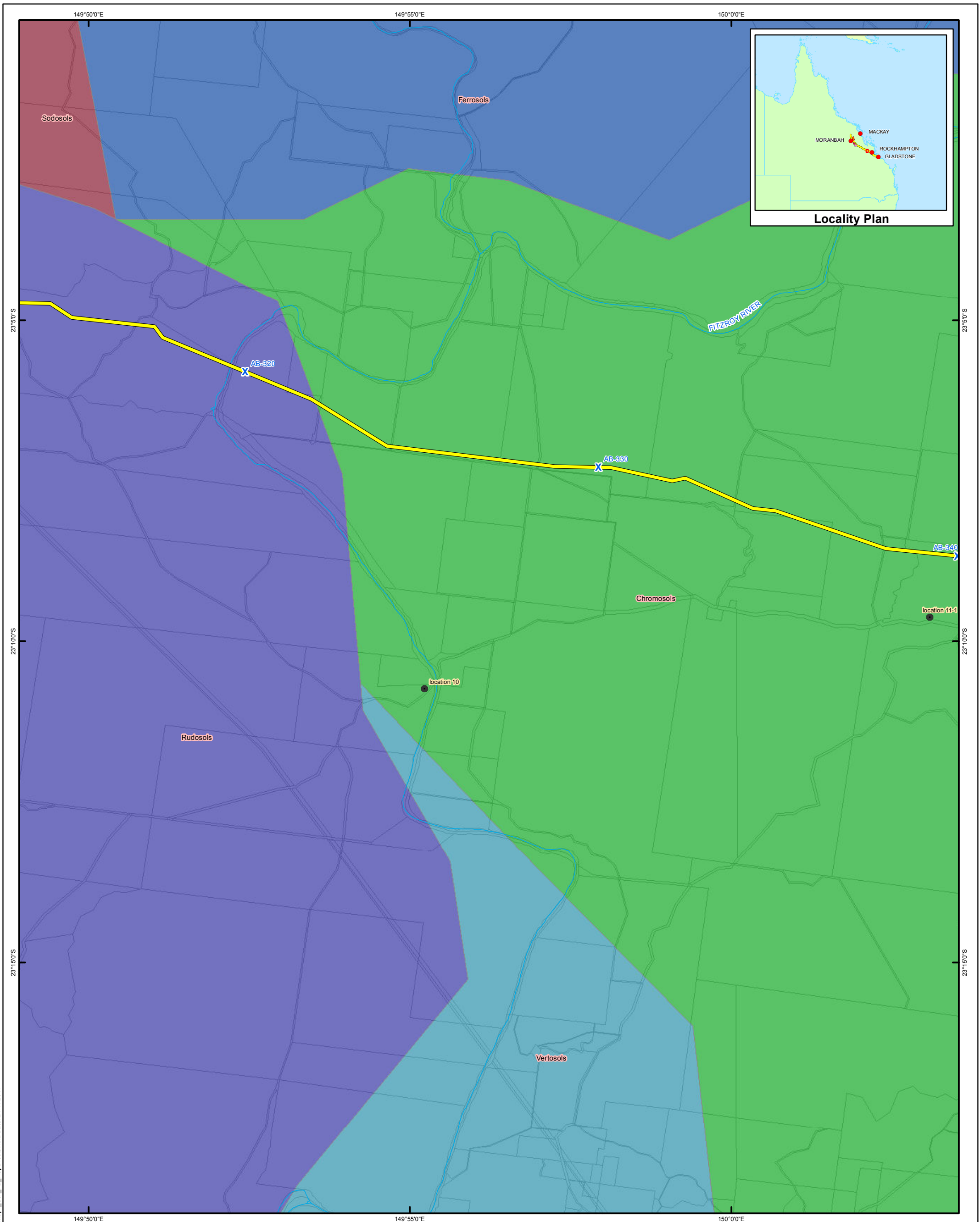
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Kilometres

Scale: 1:100,000 @ A3
 Coordinate System: GCS GDA 1994

NOT FOR CONSTRUCTION

ARROW BOWEN PIPELINE PRELIMINARY ROUTE (REV D)



Map 7: Soils

Legend			
● Soil Sampling Locations	— Highways	Soil	Podosols
● Localities	— Major Roads	Chromosols	Rudosols
X Kilometre Points	— Major Watercourses	Demosols	Sodosols
— AB Mainline Rev D	— Cadastre	Ferrosols	Tenosols
— Dysart Lateral Rev D		Hydrosols	Vertosols
— Elphinstone Lateral Rev D		Kandosols	
— Saraji Lateral Rev D			
— Railways			

Data Sources:
 StreetPro: Localities, Roads, Railways
 DERM: Cadastre, Major Watercourses
 Department of Natural Resources, Mines and Water: Soil
 Data Supplied by Arrow Energy:
 ABP Mainline RevD, ABP Lateral RevD,
 Kilometre Points
 Data Digitised by SKM: Soil Sampling
 Locations

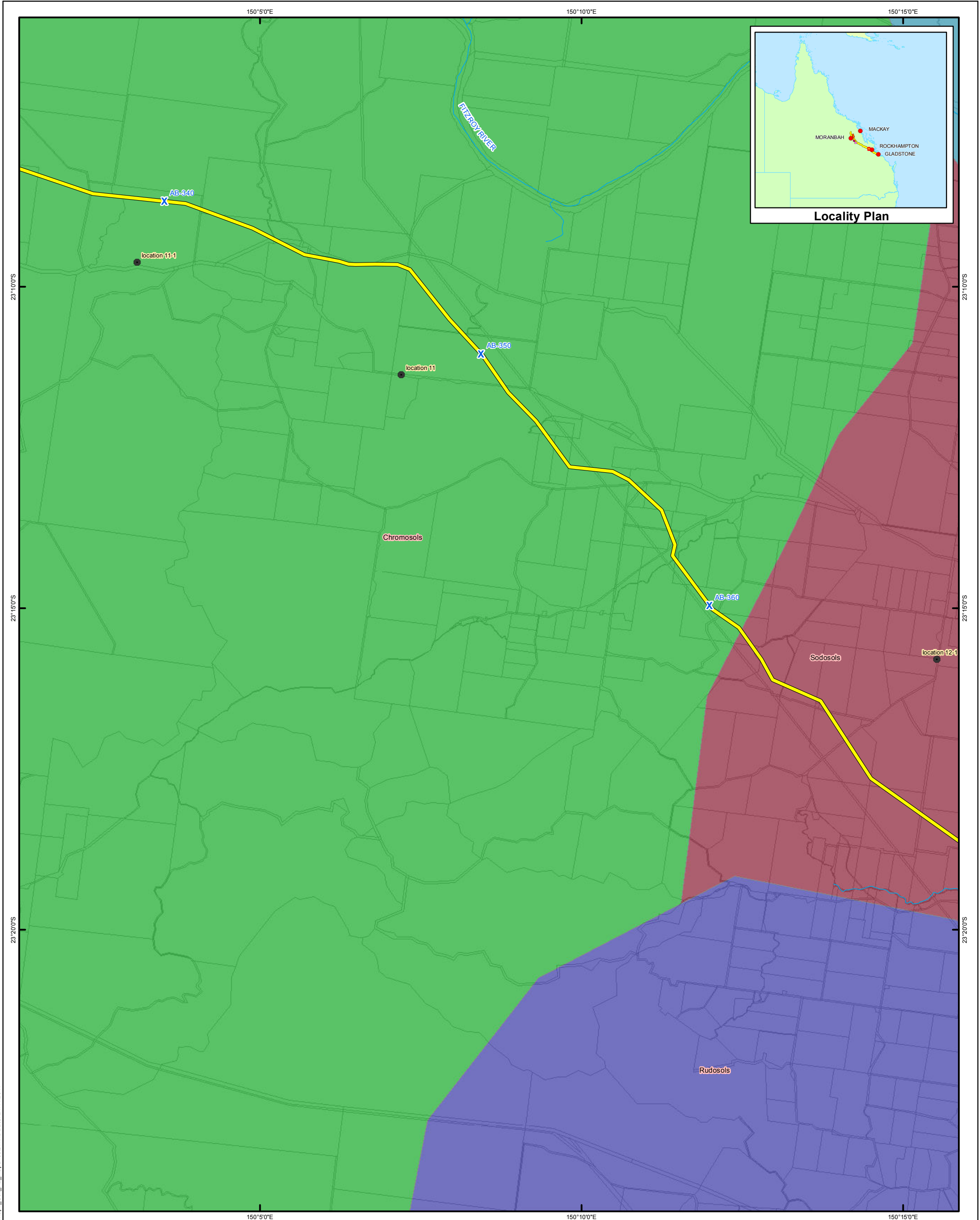
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ARROW BOWEN PIPELINE PRELIMINARY ROUTE (REV D)



Map 7: Soils

Legend <ul style="list-style-type: none"> ● Soil Sampling Locations ● Localities X Kilometre Points AB Mainline Rev D Dysart Lateral Rev D Elphinstone Lateral Rev D Saraji Lateral Rev D — Railways 		<ul style="list-style-type: none"> — Highways — Major Roads — Major Watercourses — Cadastre 		Soil <ul style="list-style-type: none"> Chromosols Dermosols Ferrosols Hydrosols Kandosols 		<ul style="list-style-type: none"> Podosols Rudosols Sodosols Tenosols Vertosols 	
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Data Sources:
 StreetPro: Localities, Roads, Railways
 DERM: Cadastre, Major Watercourses
 Department of Natural Resources, Mines and Water: Soil
 Data Supplied by Arrow Energy:
 ABP Mainline RevD, ABP Lateral RevD,
 Kilometre Points
 Data Digitised by SKM: Soil Sampling
 Locations

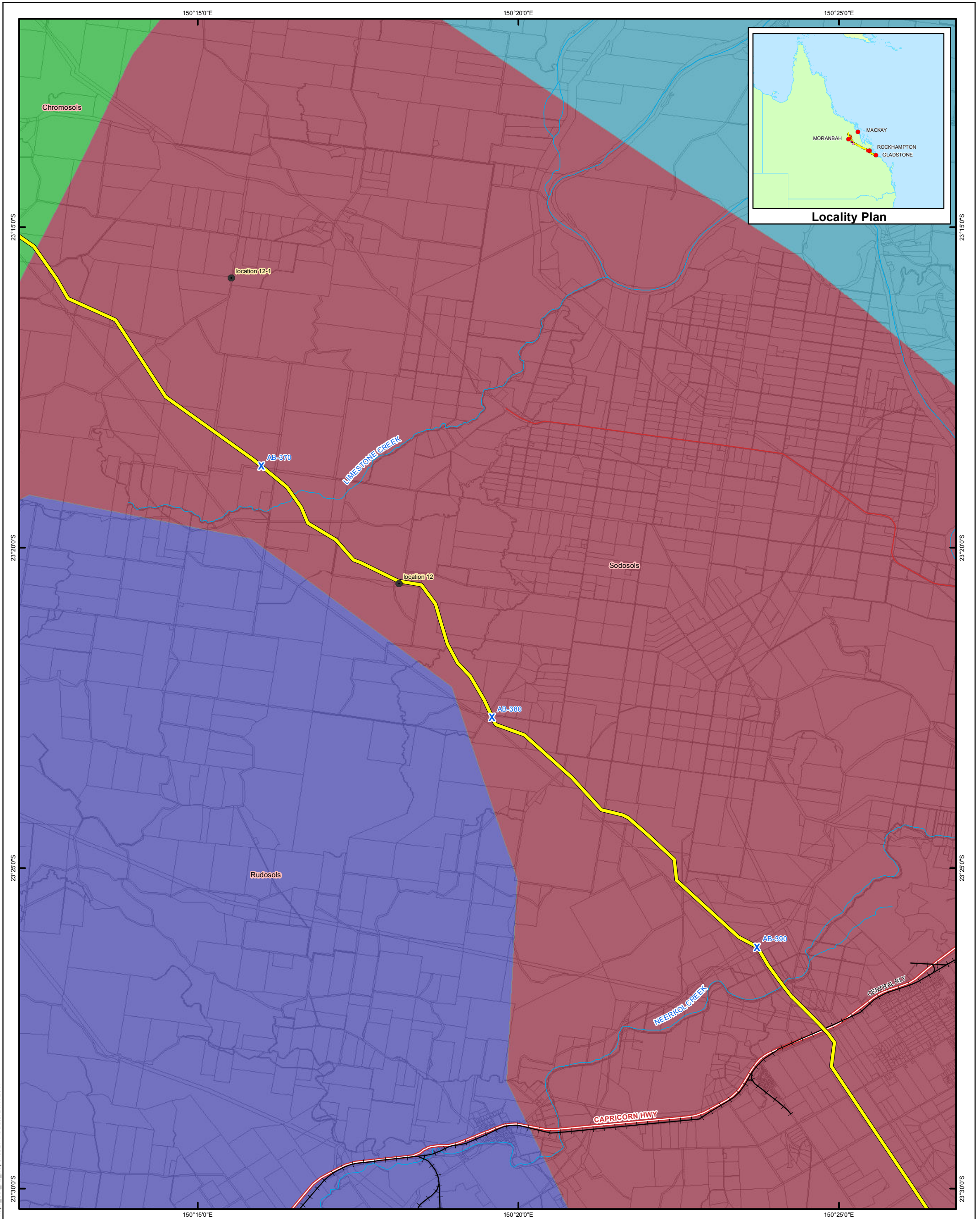
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ARROW BOWEN PIPELINE PRELIMINARY ROUTE (REV D)



Map 7: Soils

Legend			
● Soil Sampling Locations	— Highways	Soil	■ Podosols
● Localities	— Major Roads	■ Chromosols	■ Rudosols
✕ Kilometre Points	— Major Watercourses	■ Demosols	■ Sodosols
— AB Mainline Rev D	— Cadastre	■ Ferrosols	■ Tenosols
— Dysart Lateral Rev D		■ Hydrosols	■ Vertosols
— Elphinstone Lateral Rev D		■ Kandosols	
— Saraji Lateral Rev D			
— Railways			

Data Sources:
 StreetPro: Localities, Roads, Railways
 DERM: Cadastre, Major Watercourses
 Department of Natural Resources, Mines and Water: Soil
 Data Supplied by Arrow Energy:
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 Kilometre Points
 Data Digitised by SKM: Soil Sampling
 Locations

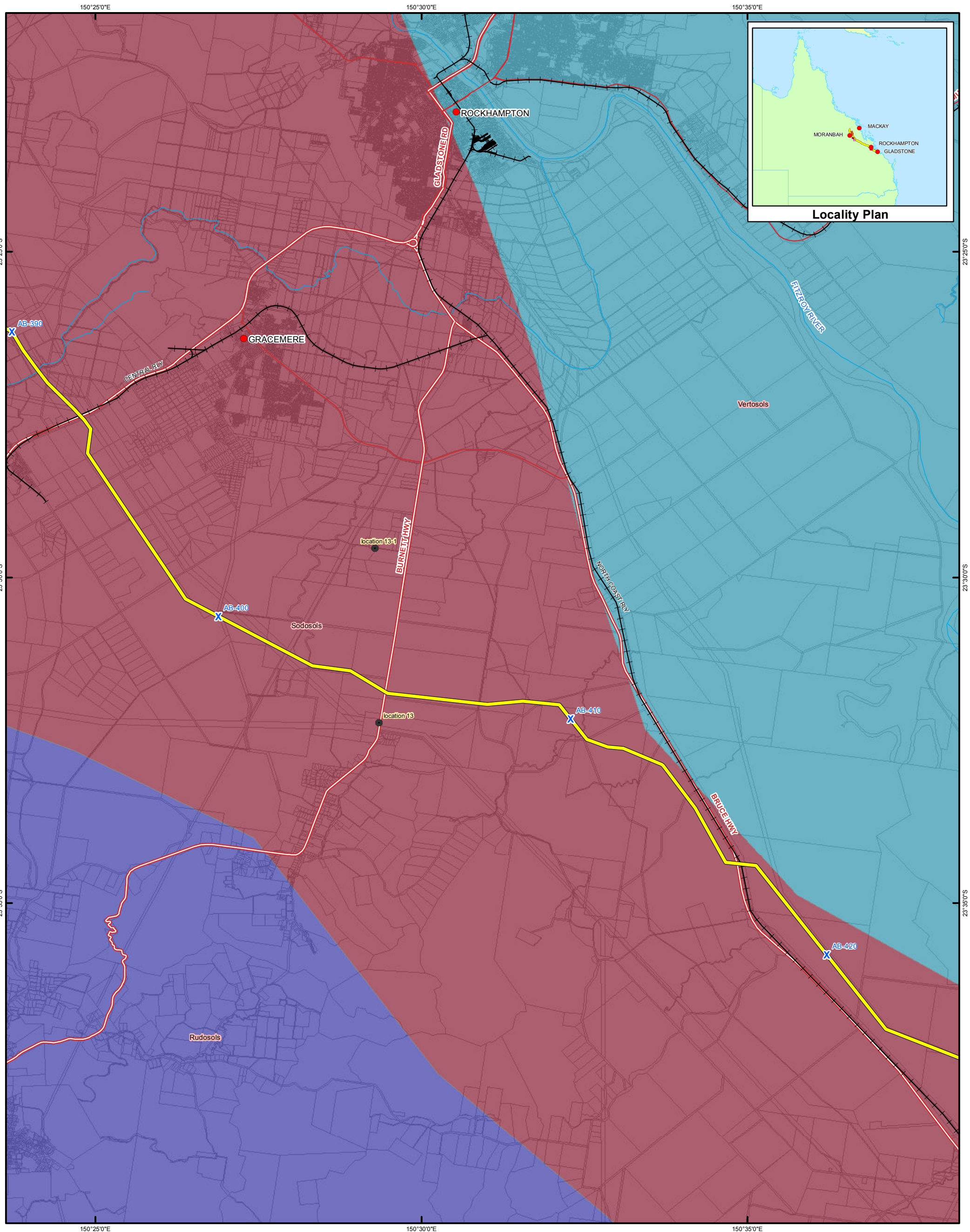
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ARROW BOWEN PIPELINE PRELIMINARY ROUTE (REV D)



Map 7: Soils

Legend	
● Soil Sampling Locations	— Highways
● Localities	— Major Roads
✕ Kilometre Points	— Major Watercourses
— AB Mainline Rev D	— Cadastre
— Dysart Lateral Rev D	— Soil
— Elphinstone Lateral Rev D	— Chromosols
— Saraji Lateral Rev D	— Demosols
— Railways	— Ferrosols
	— Hydrosols
	— Kandosols
	— Podosols
	— Rudosols
	— Sodosols
	— Tenosols
	— Vertosols

Data Sources:
 StreetPro: Localities, Roads, Railways
 DERM: Cadastre, Major Watercourses
 Department of Natural Resources, Mines and Water: Soil
 Data Supplied by Arrow Energy:
 ABP Mainline RevD, ABP Lateral RevD,
 Kilometre Points
 Data Digitised by SKM: Soil Sampling
 Locations

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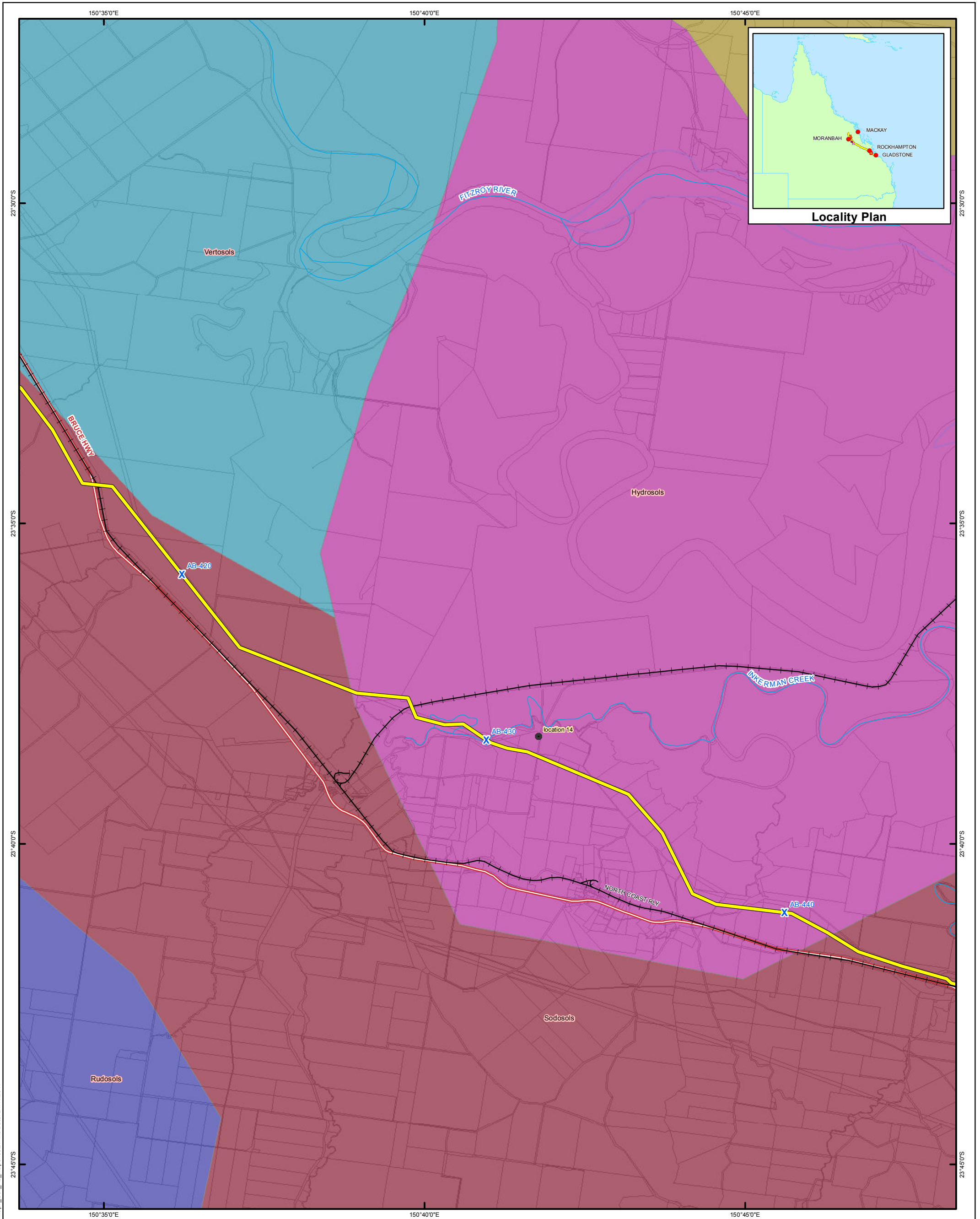
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ARROW BOWEN PIPELINE PRELIMINARY ROUTE (REV D)




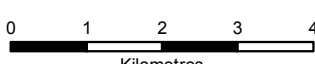
Map 7: Soils

Legend	
● Soil Sampling Locations	— Highways
● Localities	— Major Roads
✕ Kilometre Points	— Major Watercourses
— AB Mainline Rev D	— Cadastre
— Dysart Lateral Rev D	
— Elphinstone Lateral Rev D	
— Saraji Lateral Rev D	
— Railways	
Soil	Soil
■ Chromosols	■ Podosols
■ Dermosols	■ Rudosols
■ Ferrosols	■ Sodosols
■ Hydrosols	■ Tenosols
■ Kandosols	■ Vertosols

Data Sources:
 StreetPro: Localities, Roads, Railways
 DERM: Cadastre, Major Watercourses
 Department of Natural Resources, Mines and Water: Soil
 Data Supplied by Arrow Energy:
 ABP Mainline RevD, ABP Lateral RevD,
 Kilometre Points
 Data Digitised by SKM: Soil Sampling
 Locations





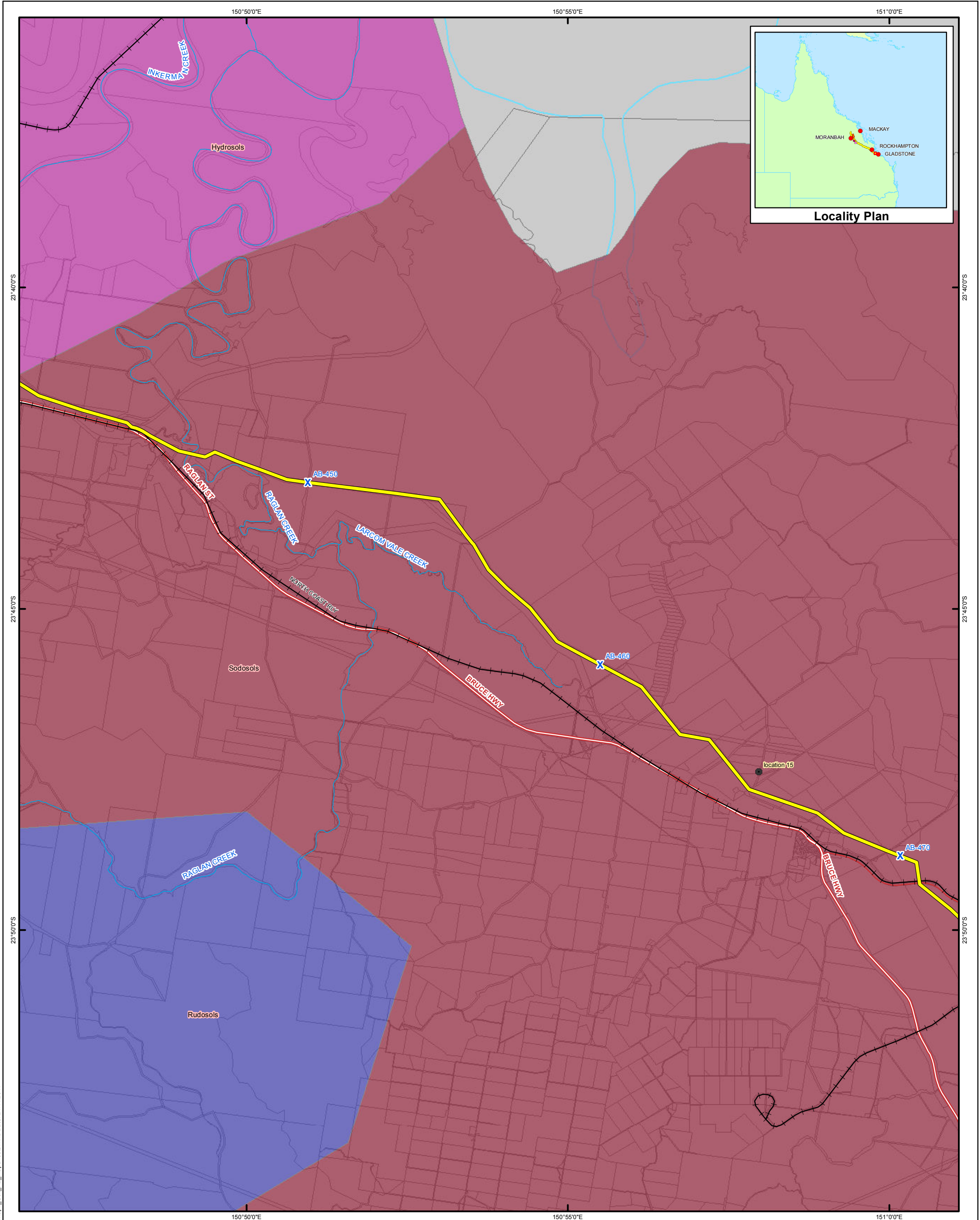


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ARROW BOWEN PIPELINE PRELIMINARY ROUTE (REV D)



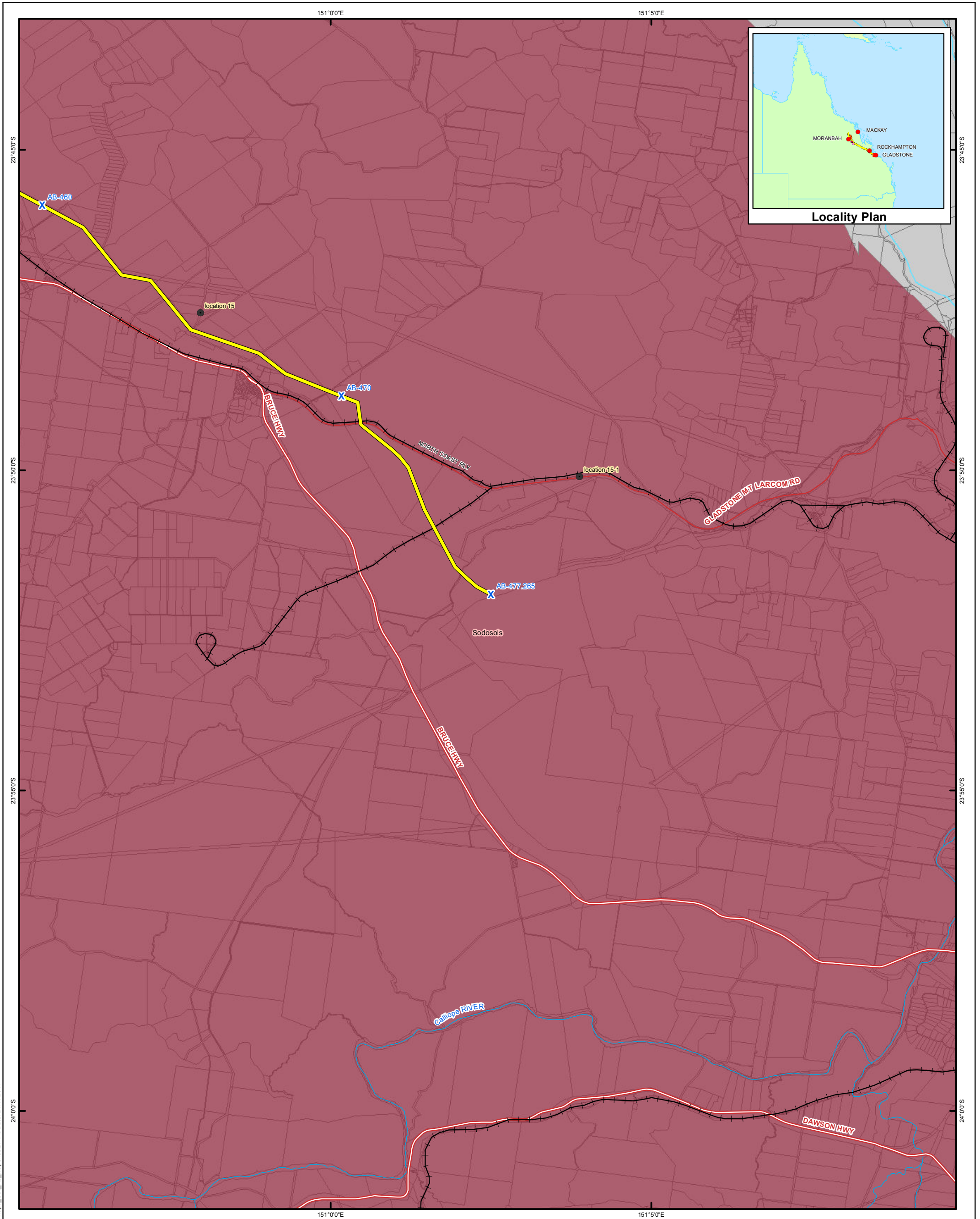
Map 7: Soils

<p>Legend</p> <ul style="list-style-type: none"> ● Soil Sampling Locations ● Localities X Kilometre Points — AB Mainline Rev D — Dysart Lateral Rev D — Elphinstone Lateral Rev D — Saraji Lateral Rev D — Railways 	<ul style="list-style-type: none"> — Highways — Major Roads — Major Watercourses — Cadastre 	<p>Soil</p> <ul style="list-style-type: none"> ■ Chromosols ■ Dermosols ■ Ferrosols ■ Hydrosols ■ Kandosols 	<ul style="list-style-type: none"> ■ Podosols ■ Rudosols ■ Sodosols ■ Tenosols ■ Vertosols 	<p>Data Sources:</p> <ul style="list-style-type: none"> StreetPro: Localities, Roads, Railways DERM: Cadastre, Major Watercourses Department of Natural Resources, Mines and Water: Soil Data Supplied by Arrow Energy: ABP Mainline RevD, ABP Lateral RevD, Kilometre Points Data Digitised by SKM: Soil Sampling Locations 	<p>N</p> <p>0 1 2 3 4 Kilometres</p> <p>Scale: 1:100,000 @ A3 Coordinate System: GCS GDA 1994</p>
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ARROW BOWEN PIPELINE PRELIMINARY ROUTE (REV D)



Map 7: Soils

Legend		Soil	
● Soil Sampling Locations	— Highways	■ Chromosols	■ Podosols
● Localities	— Major Roads	■ Dermosols	■ Rudosols
X Kilometre Points	— Major Watercourses	■ Ferrosols	■ Sodosols
— AB Mainline Rev D	— Cadastre	■ Hydrosols	■ Tenosols
— Dysart Lateral Rev D		■ Kandosols	■ Vertosols
— Elphinstone Lateral Rev D			
— Saraji Lateral Rev D			
— Railways			

Data Sources:
 StreetPro: Localities, Roads, Railways
 DERM: Cadastre, Major Watercourses
 Department of Natural Resources, Mines and Water: Soil
 Data Supplied by Arrow Energy:
 ABP Mainline RevD, ABP Lateral RevD,
 Kilometre Points
 Data Digitised by SKM: Soil Sampling
 Locations

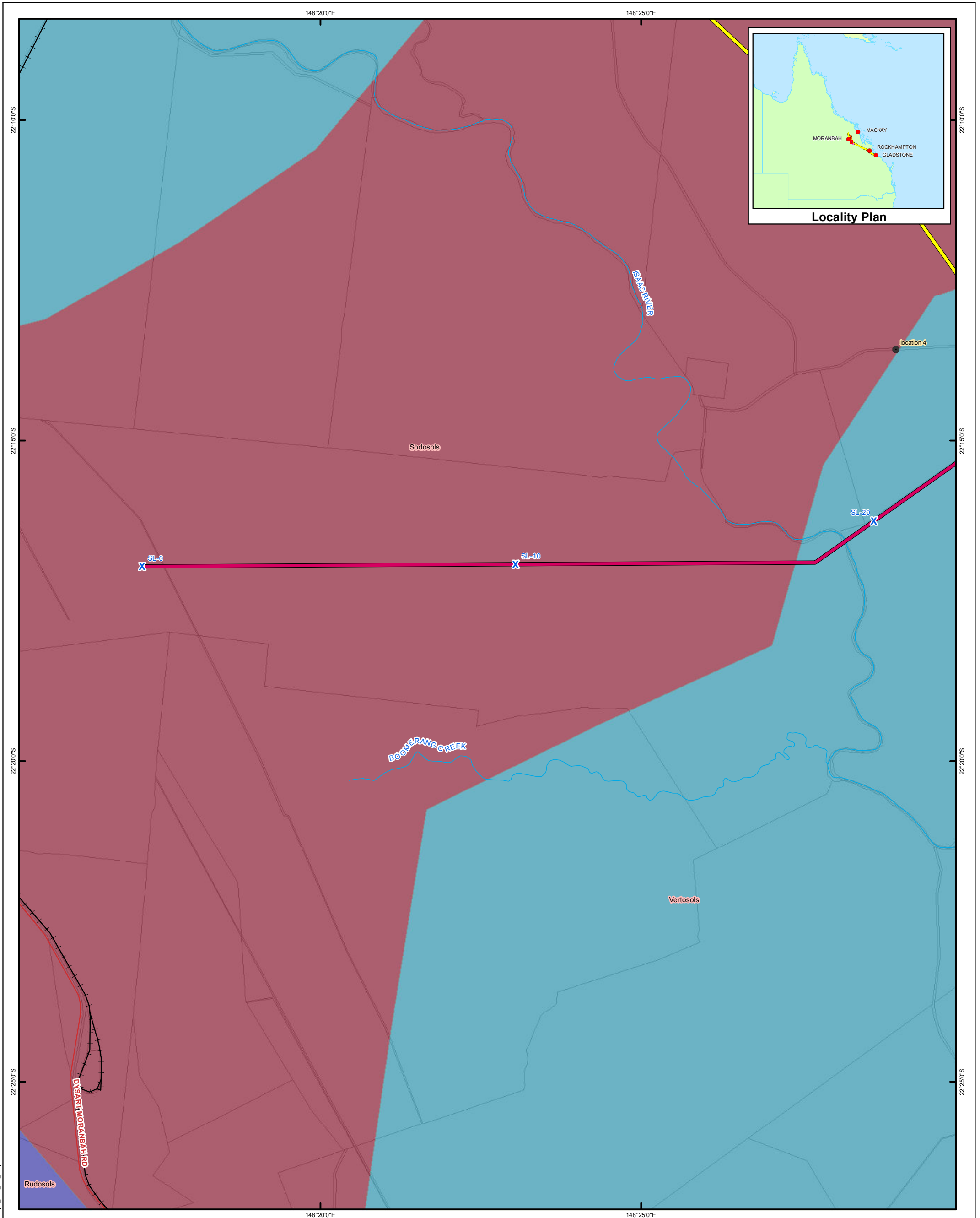
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ARROW BOWEN PIPELINE PRELIMINARY ROUTE (REV D)



Map 7: Soils

Legend			
● Soil Sampling Locations	— Highways	Soil	Podosols
● Localities	— Major Roads	■ Chromosols	■ Rudosols
✕ Kilometre Points	— Major Watercourses	■ Demosols	■ Sodosols
— AB Mainline Rev D	— Cadastre	■ Ferrosols	■ Tenosols
— Dysart Lateral Rev D		■ Hydrosols	■ Vertosols
— Elphinstone Lateral Rev D		■ Kandosols	
— Saraji Lateral Rev D			
— Railways			

Data Sources:
 StreetPro: Localities, Roads, Railways
 DERM: Cadastre, Major Watercourses
 Department of Natural Resources, Mines and Water: Soil
 Data Supplied by Arrow Energy:
 ABP Mainline RevD, ABP Lateral RevD,
 Kilometre Points
 Data Digitised by SKM: Soil Sampling
 Locations

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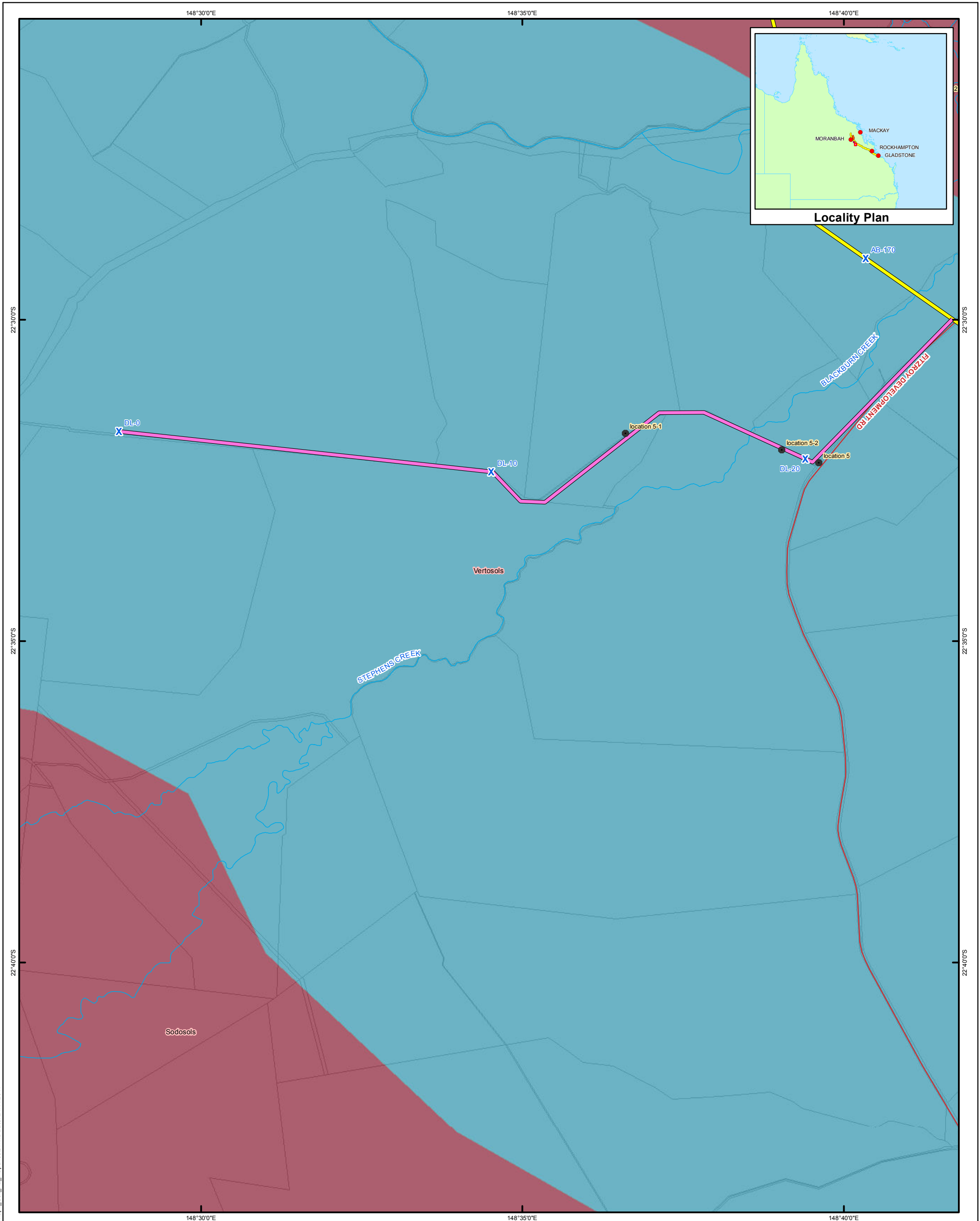
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ARROW BOWEN PIPELINE PRELIMINARY ROUTE (REV D)



Map 7: Soils

Legend			
● Soil Sampling Locations	— Highways	Soil	■ Podosols
● Localities	— Major Roads	■ Chromosols	■ Rudosols
✕ Kilometre Points	— Major Watercourses	■ Dermosols	■ Sodosols
— AB Mainline Rev D	— Cadastre	■ Ferrosols	■ Tenosols
— Dysart Lateral Rev D		■ Hydrosols	■ Vertosols
— Elphinstone Lateral Rev D		■ Kandosols	
— Saraji Lateral Rev D			
— Railways			

Data Sources:
 StreetPro: Localities, Roads, Railways
 DERM: Cadastre, Major Watercourses
 Department of Natural Resources, Mines and Water: Soil
 Data Supplied by Arrow Energy:
 ABP Mainline RevD, ABP Lateral RevD,
 Kilometre Points
 Data Digitised by SKM: Soil Sampling
 Locations

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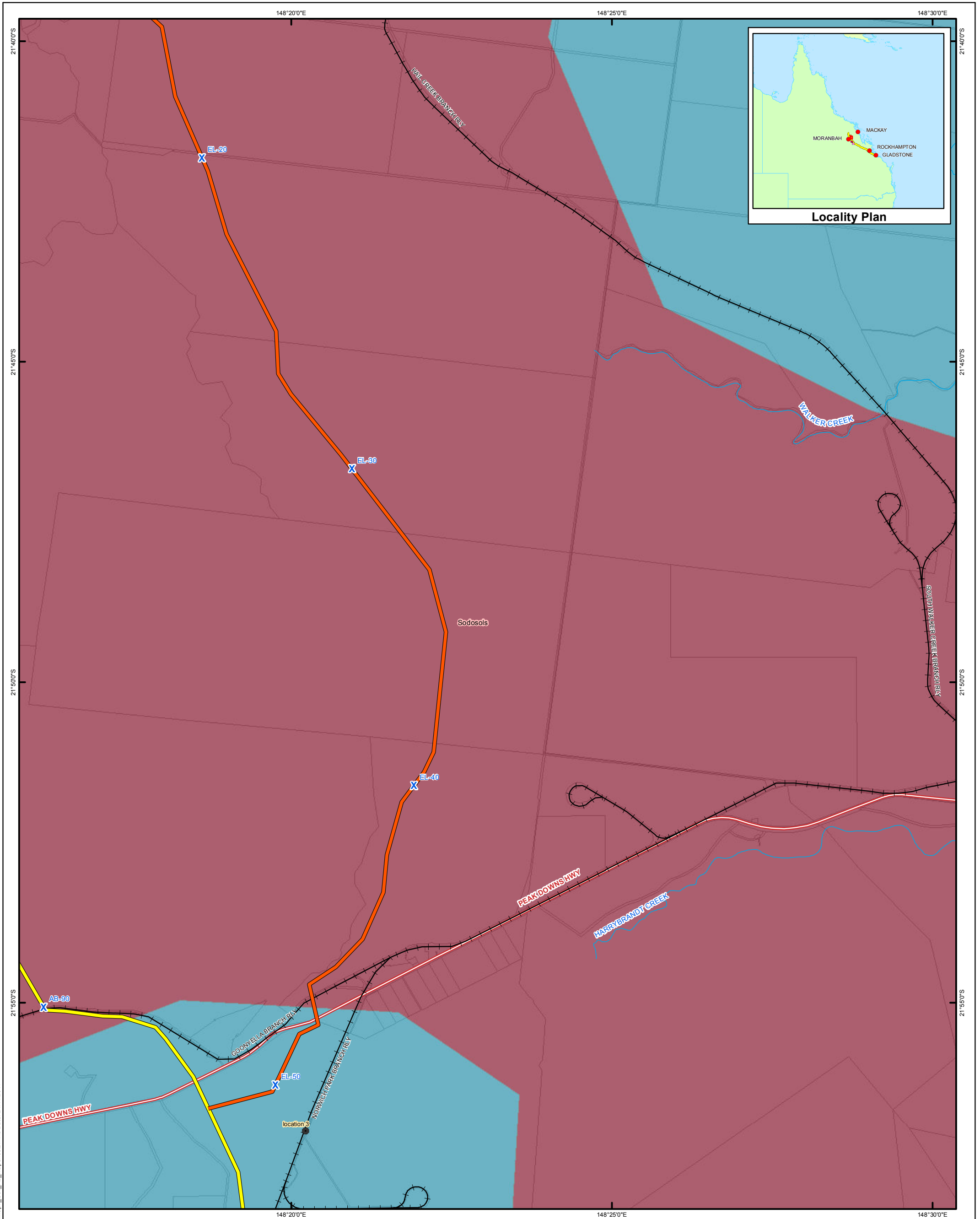
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ARROW BOWEN PIPELINE PRELIMINARY ROUTE (REV D)



Map 7: Soils

Legend			
● Soil Sampling Locations	— Highways	Soil	Podisols
● Localities	— Major Roads	Chromosols	Rudosols
X Kilometre Points	— Major Watercourses	Dermosols	Sodosols
— AB Mainline Rev D	— Cadastre	Ferrosols	Tenosols
— Dysart Lateral Rev D		Hydrosols	Vertosols
— Elphinstone Lateral Rev D		Kandosols	
— Saraji Lateral Rev D			
— Railways			

Data Sources:
 StreetPro: Localities, Roads, Railways
 DERM: Cadastre, Major Watercourses
 Department of Natural Resources, Mines and Water: Soil
 Data Supplied by Arrow Energy:
 ABP Mainline RevD, ABP Lateral RevD,
 Kilometre Points
 Data Digitised by SKM: Soil Sampling
 Locations

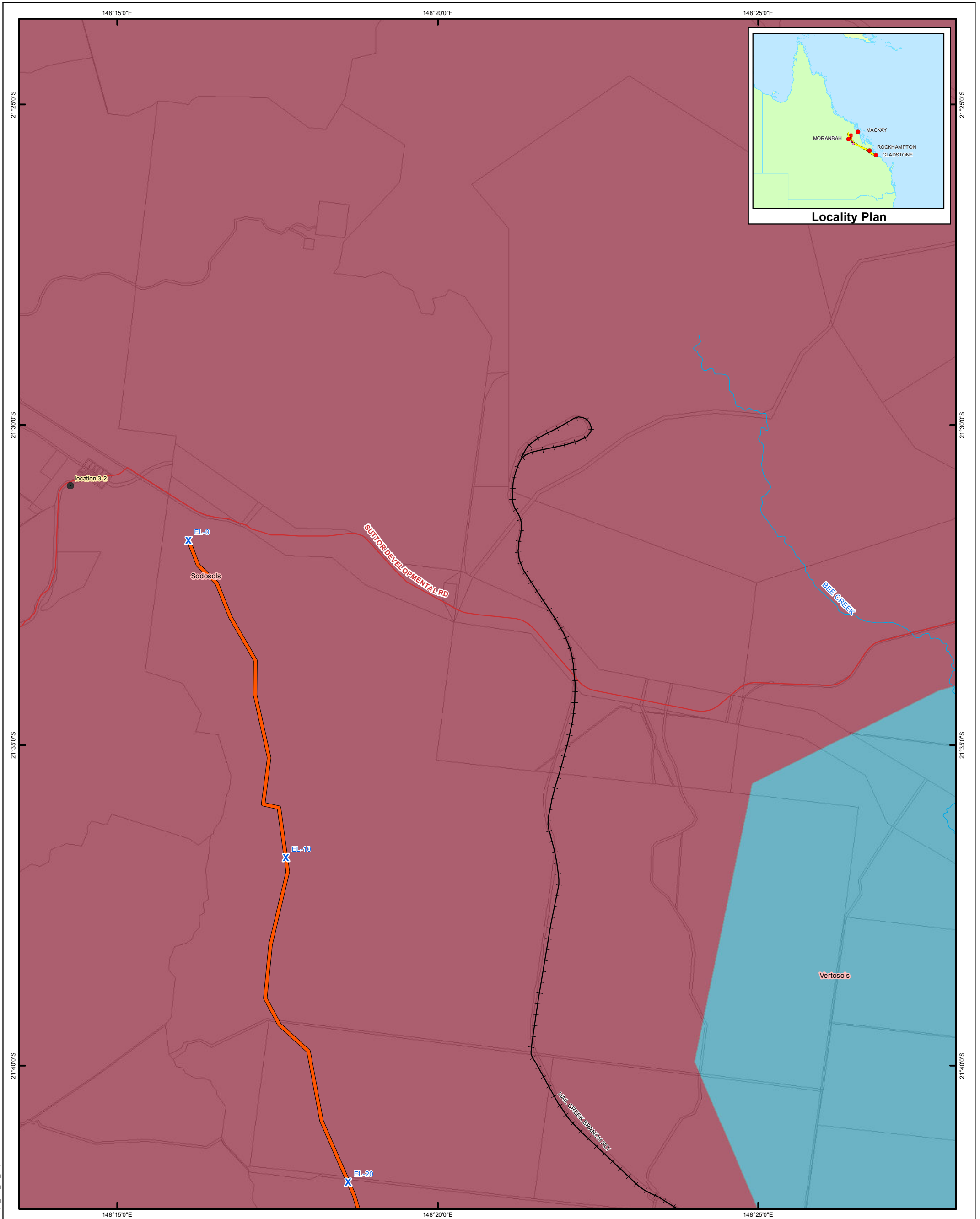
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 Coordinate System: GCS GDA 1994

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ARROW BOWEN PIPELINE PRELIMINARY ROUTE (REV D)



Map 7: Soils

Legend			
● Soil Sampling Locations	— Highways	Soil	Podosols
● Localities	— Major Roads	Chromosols	Rudosols
X Kilometre Points	— Major Watercourses	Dermosols	Sodosols
— AB Mainline Rev D	— Cadastre	Ferrosols	Tenosols
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— Elphinstone Lateral Rev D		Kandosols	
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0 1 2 3 4
Kilometres

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