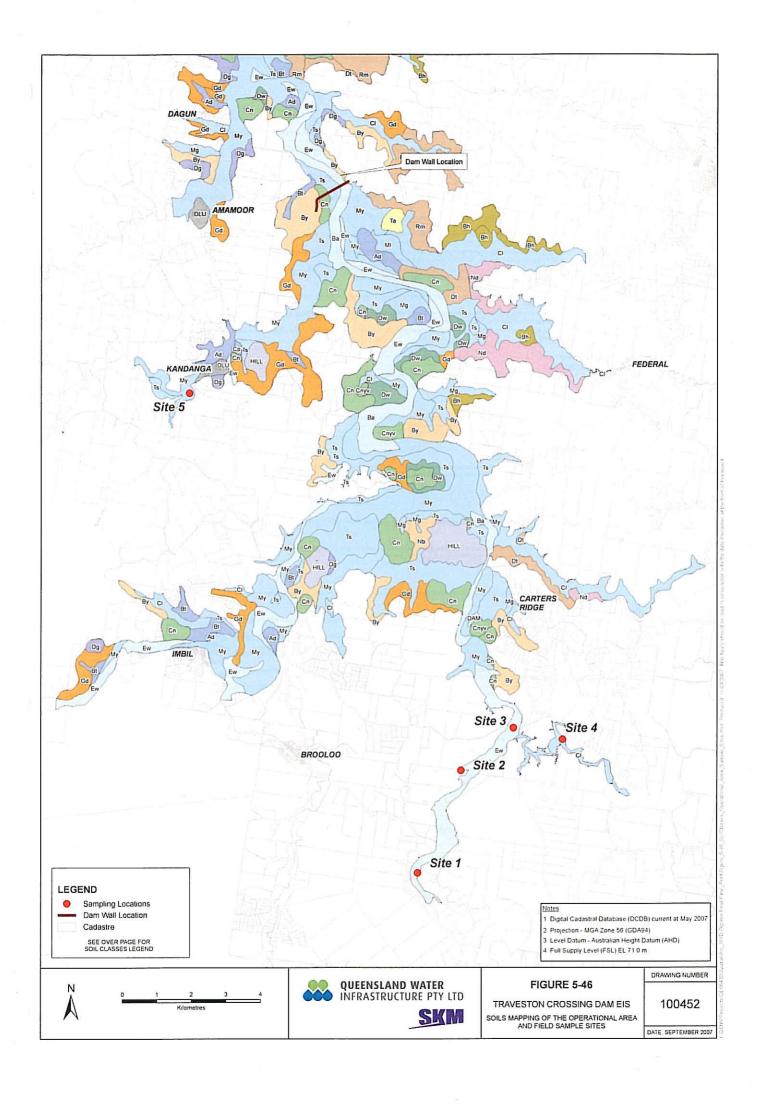


Attachment 4 - Figure 5-46 Soils Mapping of the Operational Area and Field Sample Sites



		SPC Mapping Unit	Name	Major Attributes of Dominant Soil	Australian Classification
	-	Soils of t	ne alluvial flood	Iplains	
Г			nds and loams Baddow	Stratified soil profile with a sand to loamy sand surface over a layered sand to clay loam subsoil with a neutral soil reaction	Stratic Rudosol
	_		Eerwah	trend Stratified soil profile with a loam to clay loam surface over a layered, sand to light clay subsoil with a neutral soil reaction.	
		Uniform C		trend	Stratic Rudosol, Orthic Tenosol
			Cole	Sitty loam to sitty clay surface overlying a brown, yellow or grey clay subsoil, manganese nodules common, with an acid to	Yellow Demosol, Brown Dermosol, Grey Dermosol
		My	Mary	neutral sol reaction trend. Pale subsurface common. Strongly structured sol with black, brown or grey surface and black, brown or red subsoil, with a neutral soil reaction trend.	Black Dermosol, Brown Dermosol, Grey Dermosol
_			,,,,,,	Site-gry streets as some first beauty and the grey surface and state, around a real state, that a recall at the state of t	
		MI	Monkland	Black to greyish brown cracking surface over a brown, black to grey subsiol with an alkaline to neutral soil reaction frend	Black Dermosol, Grey Dermosol, Brown Dermosol, Black Vertosol, Grey Vertosol, Redoxic Hydrosol
		Mg	Mungar	Sitty clay to clay loam surface with pale to bleached subsurface overlying a mottled black, brown to grey subsoil containing manganese and calcareous segregations. Neutral to alkaline soil reaction trend.	Black Dermosol, Grey Dermosol, Brown Dermosol, Redoxic Hydrosol
		Ts	Thompson	Strongly structured soil with a black to brown clay loam surface, overlying mottled black, brown or grey clay subsoil	Black Dermosol, Brown Dermosol, Grey Dermosol,
				containing manganese nodules. Neutral to alkaline soil reaction trend. Black or grey sity loam to clay surface with a bleached subsurface over a mottled grey or brown clay subsoil with	Redoxic Hydrosol, Oxyaquic Hydrosol
			Timbrell	manganese or calcareous segregations. Neutral to alkaline soil reaction trend	Redoxic Hydrosol, Oxyaquic Hydrosol
			ntrast to gradation Aldershot	Sandy clay loam to clay loam surface overlyaing brown or grey, well structured, clay subsoil with a neutral to alkaline soil	Brown Dermsol, Grey Dermsol, Brown Chromosol,
		1500 1500		reaction trend Black or grey sandy clay loam to clay loam sandy surface with a bleached subsurface, overlying black, brown, grey or black	Grey Chromosol Brown Sodosol, Grey Sodosol, Brown Dermosol, Grey
			Butcher	clay subsoil with a neutral to alkaline soil reaction trend. Black to brown clay loam surface with a bleached subsurface overlying mottled brown, yellow or grey subsoil with an acid.	Dermosol, Black Dermosol Brown Chromosol, Grey Chromosol, Yellow
		Ср	Camp	soil reaction trend	Dermosol, Brown Dermosol
		Soils of th	e elevated alluv	ial plains	
		Gradationa	il to uniform textu	ured soils	Bad Savarat Gad Barmana'
		MARKET BY	Coonoon yellow	Dark brown to red clay loam to clay surface overlying red clay subsoil with an acid soil reaction trend Dark brown clay loam to clay surface over a brown or red clay subsoil, occasionally motified at depth with an acid soil	Red Ferrosol, Red Dermosol
			variant	reaction trend	Red Ferrosol, Red Dermosol, Brown Dermosol
				Brown to greyish brown clay loam surface overlying a brown, grey or yellow clay subsoil with an acid soil reaction trend	Brown Kurosol, Grey Kurosol, Brown Chromosol,
		Dw	Dwyer	Rounded cobble and gravel common on surface and throughout profile	Yellow Chromosol, Brown Dermosol, Grey Dermosol
		Soile days	loped on grano	digita	
		Texture co	107	done	
		Ві	Bells	Shallow soil with a sandy loam to sandy clay loam surface overlying a brown or yellow sandy clay subsoil with a neutral to alkaline soil reaction trend, overlying weathered granodionte	Brown Sodosol, Yellow Sodosol
	_	uniform loa	loped on andes	Dark brown clay loam to clay surface overlying a black to brown clay subsoil with neutral soil reaction trend overlying	Para Barrari Barrari
_			Tiaro I to texture contri	weathered rock	Brown Dermosol, Brown Chromosol
	_		Highbury	Dark brown clay loam surface with a pale subsurface, overlying a yellowish brown or grey clay subsoil with a neutral to alkaline soil reaction trend, over weathered rock	Brown Dermosol, Grey Dermosol, Brown Chromosol
			loped on sedim		
_	_		to uniform soils	Sandy to loarny surface overlying a red or brown loarn to clay loarn subsoil with an acid to neutral soil reaction trend,	
				overlying sandstone	Red Kandosol, Orthic Tenosol
				Brown clay loam to sandy light clay surface with a pale subsurface, overlying a red or brown clay subsoil with an acid to	Red Dermosal, Brown Dermosal, Red Kurosal
-	=			neutral soil reaction trend Grey fine sandy clay loam to clay loam fine sandy surface with a bleached subsurface overlying a mottled brown or grey	Grey Kurosol, Brown Kurosol, Brown Chromosol,
<u></u>		Ко	ndian	clay subsoil with an acid soil reaction trend, overlying fine grained sedimentary rocks. Grey loamy sand to sandy loam surface with a bleached subsurface overlying a mottled brown or grey sandy clay subsoil.	Grey Chromosol Grey Kurosol, Brown Kurosol, Grey Sodosol, Brown
		Tr		with an acid soil reaction trend, overlying sandstone	Sodosol
		Mt	Moat	Grey to greyish brown sandy loam to clay loam surface with a bleached subsurface, overlying a mottled brown clay subsoil with a neutral to alkaline soil reaction trend, overlying sandstone	Brown Dermosol, Brown Chromosol, Brown Sodosol
	7.4	Rm		Black to grey brown fine sandy clay loam to clay loam surface with a pale bleached subsurface, overlying a yellow, brown or grey occasionally mottled, clay subsoil with an acid to neutral soil reaction trend	Brown Dermosol, Brown Chromosol, Brown Sodosol
				ntary rocks dominated by chert	
	_		Cioniar	Reddish brown to greysh brown day loam to light day surface with a pale to bleached subsurface overlying a mottled red or brown day subsoil with an acid soil reaction trend	Red Dermosol, Brown Dermosol, Brown Chromosol,
		75 2000 - 12	Mahhu	Shallow rocky soil with a clay loam surface overlying an occasional mottled brown or grey subsoil with an acid soil reaction	Red Kurosol Leptic Tenosol, Orthic Tenosol, Leptic Rudosol
	_	Texture cor		trend, overlying chert	reneed, errore remoter, capito recosur
	_		Sander	Brown to grey brown sandy clay loam to clay loam surface with a bleached subsurface overlying a mottled grey, brown or yellow clay subsoil with an acid to neutral soil reaction frend	Brown Dermosol, Grey Dermosol, Brown Chromosol, Grey Chromosol
			loped on basalt		
9	_			Clay loam to light clay surface overlying a red clay subsoil with an acid soil reaction trend	Red Ferrosol, Red Dermosol
	21	Snile dave	aned on challit		
			loped on phyllite gradational soils		
100			Jeerrie	Brown to grey brown clay loam to light clay surface overlying a red, brown or yellow clay subsoil with an acid soil reaction trend	Brown Yellow or Red Dermosol
	50	Texture cor			
		Bh f	3eenham	Sandy clay loam to clay loam surface overlying a brown or red clay subsoil with an acid soil reaction trend	Red Dermosol, Brown Dermosol, Red Kurosol, Brown Kurosol
	_	Miscellaned	ius Dam		
		DLU I	Jrban Area		
		HILL I	Unit with slopes g	reater than 10% throughout	





DRAWING NUMBER

TRAVESTON CROSSING DAM EIS SOIL MAPPING OF THE OPERATIONAL AREA LEGEND 100557

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