

# ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA  
TYPE: SOIL

AREA: ELKEDRA  
WEIGHT: A: 100g B: 500g

DATUM: WGS 84/MGA94  
MESH: A: -80# B: -2mm

DATE: NOV 2005  
SAMPLER: GP

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES	SITE NUMBER
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)						OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*		
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT				*Rock Type s=sed d=dol q=qtz	
																								A = quartzite G = granite	
550001	541000	7626250	40cm					X				X								X				MINOR Q ON SURFACE	MINOR GRAPE IN HOLE
550002	"	7626750	30cm					X				X								X					
550003	"	7627250	35cm				X					X								X					
550004	"	7627750	30cm				X					X								X					
550005	"	7628250	35cm					X				X				/				X					VERY MINOR Q ON SURFACE
550006	"	7628750	35cm					X				X								X					
550007	"	7629250	35cm				X					X								X					
550008	"	7629750	40cm				X					X								X					
550009	"	7630250	40cm				X					X								X					
550010	"	7630750	45cm				X					X								X					
550011	542000	7630750	30cm					X				X				/				X					
550012	"	7630250	40cm				X					X								X					
550013	546000	7625750	25cm						X			X							/	/					Q ROCK ON SURFACE QUARTZITE
550014	✓	7626250	45cm				X					X				/			/	/					
550015	547000	7626750	10cm				X			S									/						SANDY Q QUARTZITE
550016	✓	7626250	35cm				X					X								X					
550017	✓	7625750	15cm						X			X							/	/					
550018	✓	7625250	5cm				X			S											\$				S/S MINOR Q SAND STONE
550019	✓	7624750	15cm				X						X							/					CROOK GIDE SAND STONE
550020	545000	7625750	30cm						X			X							X	/					
550021	DUP 550020		DUP																						
550022	545000	7626750	25cm						X			X								/					MINOR Q/A ON SURFACE
550023	545000	7626750	35cm				X					X								X					
550024	544000	7625750	20cm						X			X							/						A Q/A IN HOLE
550025	544000	7626250	30cm						X			X								X					

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				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*					
550076	542000	7622250	25				X										X									A Quartzite		
550077	↓	7622750	30				X					X					X									A Quartzite gravel		
550078	DUPL 550077																											
550079	542000	7623250	25				X					X (N Edge)					X									A Quartzite gravel		
550080		7623750	30	X												/	X									A Clay loam		
550081		7624250	50	X												X	/									No change		
550082		7624750	50	X												X												
550083		7625250	40				X									X	/									Float in hole & on surface		
550084		7625750	40				X									X	/									" " "		
550085		7626250	45	X												X										Cemented		
550086	↓	7626750	45	X												X	/									Float in hole. Minor surface float		
550087	546000	7625250	25	X						N							X								S	S		
550088		7624750	25	X												X (BASE OF SLOPE)	/								S	S	Minor Q	
550089	*	7624250	30	X												X									S/A	S		
550090	*	7623750	40				X										/								S/A	S	Minor quartzite float	
550091		7623250	20	X						E							X								S/A	S/A	Minor Fe rich frags	
550092	547000	7623250	30				X			NE						/	X								A			
550093		7623750	25	X													X				S				S	S		
550094	↓	7624250	50	X								X	EW			X	/	/							S/Q			
550095	DUPL 550094																											
550096	545000	7625250	40				X									/			X									
550097	*	7624750	40				X									/			X								N of mag creek	
550098		7624250	25				X										X	/							S	S		
550099	↓	7623750	25				X			NE							X	/							S/A	S/A		
550100	544000	7624250	15	X						S							X			S					S	S	Bedrock	

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EW qtz reef @ 544140E  
7624590N

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				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILL TOP	GULLY	LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*		
550101	544000	7624750	20				X			NE							X				S	S	S		
550102	544000	7625250	30		X					S							X				S	S	S	Minor S	
550103*	543000	7624750	45		X							X				X								E of creek No change S float	
550104	543000	7625250	35				X					X				X								S + minor $\Phi$ float on surface & in hole	
550105	540000	7626250	40		X							X				X					S			Occ S subcrop in area	
550106		7626750	40				X					X				/				X					
550107		7627250	35				X					X								X					
550108		7627750	30				X					X				/				X					S + $\Phi$ float in hole & on surface
550109		7628250	45				X					X				/				X					
550110		7628750	40		X							X				/				X					
550111	543000	7628750	40		X							X				X								S, minor $\Phi$ in hole	
550112		7629250	30		X							X				X	X /			S	S			S, Minor $\Phi$ in hole	
550113		7629750	40				X					X				X								No change	
550114		7630250	20				X			Low EW ridge top							S				S	S		Fe-rich S (surface & in hole)	
550115		7630750	50				X					X				X								Minor colour change	
550116	555000	7625250	50				X					X				X								No change	
550117		7624750	20				X			E							X						S	S	
550118		7624250	20		X					SE							X				S	S	S		
550119	*	7623750	50		X						X					X								S of ck. S + minor $\Phi$ in hole. Minor $\Phi$ float	
550120		7623250	20		X					N/A							X	X			S	S	S	$\Phi$	
550121	DUP	550120																							
550122	556000	7623750	25		X								EW				X				S	S	S		
550123		7624250	30		X						X				/	X	/	/					S	S + $\Phi$	
550124		7624750	15		X					W							X				S	S	S	Bedrock	
550125		7625250	25		X					W							X	/			S	S	S	Minor S Cemented	

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[illegible]