

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE							NOTES			
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)					ROCK*			*Rock Type s=sed d=dol q=qtz		
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*		
170001	509900	7720700	50				X					X								X				Sandy loam	
170002	509925		50				X					X								X				Sandy loam	
170003	509950		50				X					X								X				Sandy loam	
170004	509975		40				X					X								X				" "	
170005	510000		50				X					X								X				" "	
170006	510025		50				X					X								X				" "	
170007	510050		40				X					X								X				" "	
170008	510075		40				X					X								X				" "	
170009	510100		40				X					X								X				" "	
170010	510125		40				X					X								X				" "	
170011	510150		40				X					X								X				" "	
170012	510175	7720700	40				X					X							X				" "		
170013	510200		50				X					X							X				" "		
170014	510225		50				X					X							X				" "		
170015	510250		40				X					X							X				" "		
170016	510275		40				X					X							X				" "		
170017	510300		50				X					X							X				" "		
170018	510325		40				X					X							X				" "		
170019	510350		50				X					X							X				" "		
170020	Duplicate		170019																						
170021	510375			40				X					X							X				" "	Slightly lighter/less red in colour
170022	510400			40				X					X							X				" "	
170023	510425	40					X					X							X				" "		
170024	510450	40					X					X							X				" "		
170025	510475	7720700	40				X					X							X				" "	1% Qtz	

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SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE							ROCK*			NOTES *Rock Type s=sed d=dol q=qtz ϵ = calcrete.	
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)					SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*			
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ							
170026	510500	7720700	40				X				X									X						Sandy loam
170027	510525	1	30				X				X									X						Sandy loam
170028	510550	1	40				X				X									X						Sandy loam
170029	510650	7720650	50			X				X							X	X	X							Sandy loam
170030	510625	1	40			X				X										X						Sandy loam w/ small <1cm pisolithes
170031	510600	1	40			X				X										X						Sandy loam w/ + larger calcrete clasts.
170032	510575	1	20				X			X												d/c				Sandy loam w/ calcrete + dolomite clasts
170033	510550	1	50				X					X										d/c				Sl w/ mostly dolomite clasts minor cal.
170034	510525	1	30					X				X								X						Sandy loam
170035	510500	1	40									X								X						w/ minor Qtz + pisolithes + cal. <5%.
170036	510475	1	40				X					X								X						Sandy loam.
170037	510450	1	40			X						X								X						Sandy loam.
170038	510425	1	30			X				X									X	X				X		w/ minor cal + d.
170039	510400	1	10			X						X							X							- predom. cal w/ minor dol.
170040	510375 Duplicate	170039	40			X				X									X							Bedrock - calcrete
170041	510350 Duplicate	170040	40			X													X							Sandy loam w/ cal gravel's
170042	510350	1	20				X			X																Sandy loam.
170043	510325	1	30				X			X									X	X		X				lithics = cal, Bedrock cal
170044	510300	1	40				X					X										X				lithics = calcrete
170045	510275	7720650	30				X					X										X				Sandy loam
170046	510250	1	40				X					X										X				Sandy loam.
170047	510225	1	40				X					X										X				Sandy loam
170048	510200	1	30				X					X										X				" "
170049	510175	1	40				X					X										X				" "
170050	510150	1	40				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*	
170051	510125	7720650	50				X					X								X				sandy loam
170052	510100		50				X					X								X				" "
170053	510075		40				X					X								X				" "
170054	510050		40				X					X								X				" "
170055	510025		40				X					X								X				" " <1% sed (silt + sandstone) clasts.
170056	510000		40				X					X								X				" "
170057	509975		40				X					X								X				" "
170058	509950		40				X					X								X				" "
170059	509925		40				X					X								X				" "
170060	Duplicate	170059	1																					
170061	509900		40				X					X								X				" "
170062	509875		30				X					X								X				" "
170063	509850	7720650	40				X					X								X				" "
170064	509800	7720600	40				X					X								X				" "
170065	509825		30				X					X								X				" "
170066	509850		40				X					X								X				" "
170067	509875		40				X					X								X				" "
170068	509900		40				X					X								X				" "
170069	509925		50				X					X								X				" "
170070	509950		40				X					X								X				" "
170071	509975		50				X					X						X						" " Minor <1cm grain size armour layer gravel, sed + silt + ore - very close to bedrock
170072	510000		40				X					X								X				" " sed w/ sandy loam matrix. (siltstone) minor Qtz + cal. close to bedrock
170073	510025		30				X					X						X						" " layer 3?
170074	510050		30				X					X						X						" " layer 3?
170075	510075	7720600	40				X					X								X				Sandy loam, w/ <1% sed clasts

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				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)					ROCK*		*Rock Type s=sed d=dol q=qtz			
170076	5101100	7720600	40				X					X							X	d				Bedrock @ 40cm depth - dol. Outcrop @ surface < 1m away	
170077	510125		40					X				X							X		d			Sandy loam < 1% Qtz, d, + sed clasts	
170078	510150		30				X					X							X					large weathered dol gravel sized clasts at 30 cm	
170079	510175		40					X				X							X					Sandy loam	
170080	Duplicate	170079																							
170081	510200	7720600	30				X					X							X					" "	
170082	510225		40				X					X							X					" " < 1% Qtz + Ca	
170083	510250		40				X					X							X					Sandy loam	
170084	510275		30				X					X							X					" "	
170085	510300		40				X					X							X					" " ~ 40% Cal + minor Qtz clasts gravel sized at 40 cm depth	
170086	510325		40				X					X							X					~ 40% Cal + dol clasts @ 40cm depth	
170087	510350		40				X			X								X - Cal		C/Qtz				Small cal dep. ~ 5m topo.	
170088	510375		30				X					X						X - Cal		C/Qtz					
170089	510400		40				X			X								X	X	X					
170090	510425		30				X			X									X + Ca						
170091	510450		30					X		X								X	X		C			Outcropping Cal	
170092	510475		30					X		X							X	X						Gravel = Cal + Qtz - major, pisolites minor	
170093	510500		40					X		X										X				Sandy loam less clay than prev.	
170094	510525		40					X			X									X				" "	
170095	510550		40				X				X									X				Sandy loam	
170096	510575		30					X		X								X	X	X				Fe- Dol + Qtz gravel	
170097	510600		36				X			X									X - Cal					Cal = dom gravel w/ minor pisolites	
170098	510625		20				X			X								X	X	X				Cal bedrock @ 70cm	
170099	510650	7720600	10				X			X								X	X - Cal					Cal bedrock @ 10cm	
170100	Duplicate	170099																minor							

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				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)					ROCK*			*Rock Type s=sed d=dol q=qtz		
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*		SCREE - TYPE*	
170101	510675	7720600	20				X				X					X	X	X						Gravel @ surface ~ 5% each Rest sand	
170102	510700	7720600	30				X				X														< 1% Fe+Qtz clasts.
170103	510725	7720500	40				X				X								X						
170104	510875		20					X			X					X	X								
170105	510625		25					X			X								X						Minor Cal clasts + pisolites
170106	510575		30				X				X								X						
170107	510525		20				X				X					X	X	X							+ dol in gravel
170108	510475		40			X					X								X						sandy loam
170109	510425		30				X			X								X + Cal.							Cal dep.
170110	510375		25				X			X								X							
170111	510325		20				X				X								X						Sandy loam.
170112	510275		20				X				X								X						" " minor qtz+cal
170113	510225		25				X				X								X						
170114	510175		20				X				X								X						dol clasts in soil
170115	510125		20				X				X					X		X							
170116	510075		20					X			X								X						
170117	510025		30				X			X									X						Sed (sst) gravel sized grains
170118	509975		20				X			X								X							Sed (sst) gravel ~ 60% of soil.
170119	509925		25				X			X								X							Sed (sst) gravel ~ 70% of soil
170120	Duplicate	170119	-																						
170121	509875	7720500	25				X			X								X				X			" "
170122	509825		10				X			X								X				X			" "
170123	509800		30					X			X							X							Sed gravel ~ 30% of soil.
170124	509775		40				X				X									X					
170125	509725	7720500	50				X				X									X					Sandy loam

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MESH: -2mm

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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*	
170126	509625	7720000	25				X					X								X				Sandy loam.
170127	509575		30				X					X								X				" "
170128	509525		30				X					X						X						ssst (sed) gravel
170129	509475		20				X					X						X	X					Sandy loam. Sst gravel
170130	509425		25	X								X						X	X					ssst gravel
170131	509375		30	X								X								X				
170132	509325		30	X								X							X					Qtz armour layer of gravel @ surface
170133	509275		30				X					X						X	X					little at depth Sst + Qtz.
170134	509225		10					X	X									X						Disturbed - Coarse sample
170135	509175		20				X					X								X				Sandy loam.
170136	509125		20				X					X								X				" "
170137	509075		20					X				X								X				" "
170138	509025		25					X				X								X				" "
170139	508975		30					X				X								X				" "
170140	Duplicate	170139	30																					
170141	508925		30				X					X								X				" "
170142	508875		20				X					X								X				" "
170143	508825		30				X					X								X				" "
170144	508775		20				X					X								X				" "
170145	508725		25				X					X								X				" "
170146	508700		25				X					X								X				sed sst at 25cm depth
170147	508675		25				X					X								X				" "
170148	508625		30				X					X								X				Sandy loam
170149	508575		30				X					X						X		X				" " minor sst @ surface.
170150	508525	7720000	25				X					X						X	X					ssst + minor qtz

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																SOIL (Cross-maj tick-min)						ROCK*			
				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*		
170151	508475	7720000	36					X			X					X	X							ss ^l gravel + minor qtz.	
170152	508425		10				X				X					X	X							minor ss ^l gravel + pisolites	
170153	508375		10				X				X								X					Sandy loam.	
170154	508325		30				X				X								X					" "	
170155	508275		20				X				X								X					" "	
170156	508225		30				X				X						X	X						Minor ss ^l gravel.	
170157	508175		30				X			X					X	X							minor pisolites + ss ^l .		
170158	508125		20				X				X					X	X							ss ^l + minor Qtz	
170159	509675		30		X						X								X					Sandy loam.	
170160	Duplicate		170159																						
170161	509725			30		X					X								X						" " + ss ^l (sed) gravel at 30cm
170162	509775	30			X				X							X	X							Outcrop 15m away - ss ^l + ss ^l + cal (?)	
170163	509825	20			X				X							X	X							ss ^l + Qtz gravel	
170164	509875	20			X						X					X								Sandy loam.	
170165	509925	20					X				X								X					" "	
170166	509975	25					X				X								X					" "	
170167	510025	25					X				X					X	X							" "	
170168	510075	30					X				X					X	X							" "	
170169	510125	30					X				X							X						" "	
170170	510175			10				X			X								X					" "	
170171	510225		25				X				X							X					" "		
170172	509625		30				X				X					X	X	X							
170173	509675		30				X				X						X							ss ^l	
170174	509725		25				X				X								X	/				Sandy loam.	
170175	509775	7719750	20					X		X								X						" "	

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[illegible]

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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*			
170201	508625	7719750	30					X				X						X								sandy loam.
170202	508575		30					X				X						X								" "
170203	508525		30				X					X						X								" "
170204	508475		30					X				X						X								" "
170205	508425		30					X				X						X								" "
170206	508375		30					X				X						X								" "
170207	508325		30				X					X						X								" "
170208	508275		25				X					X						X								" "
170209	508225		30				X					X						X								" "
170210	508175		30				X					X						X								" "
170211	508125		30				X					X						X								" " <10% sst @ 30cm depth
170212	508075		30				X					X					X									sst w/ minor Qtz - surface + at 10cm.
170213	508025		25				X					X					X									" "
170214	507975		25				X					X					X									" "
170215	507925		30				X					X					X									Minor sst gravel over sand.
170216	507875		40					X				X					X									sst Sandstone armour layer ^{at surface} minor Qtz.
170217	507825		30					X				X					X									sst " "
170218	507775		35					X				X					X									sst " "
170219	507725		30				X			X							X									sst " "
170220	Duplicate	170219																								
170221	507675		30					X				X					X									sst " "
170222	507625		30				X					X					X	X								sandy surface w/ minor sst + Fe.
170223	507575		25					X		X							X	X								" "
170224	507525		25				X					X					X	X								
170225	507475	7719750	25				X					X					X	X								sst

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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*	
170226	507425	7719750	30				X					X						X						
170227	507375		30				X					X				X						sst	w/ minor qtz. sandstone	
170228	507325		30				X					X				X						sst	w/ minor qtz. sandstone	
170229	507275		30				X		X							X						sst	" "	
170230	507225		40				X		X							X							Disturbed.	
170231	507175		36				X					X			X	X							Beside fence. near stream bed	
170232	507125		30				X		X									X						
170233	507075		7719750	20				X		X						X						sst	w/ minor qtz. sandstone.	
170234	509625		7719500	20				X					X					X					~80% Qtz at surface	
170235	509675		30				X					X						X						
170236	509725		35					X				X							X					
170237	509775		30					X				X							X				Qtz gravel @ surface + 35cm depth.	
170238	509825		30					X				X							X				" " "	
170239	509875	7719500	30					X				X							X					
170240	Duplicate	170239																						
170241	509575	7719500	20					X				X						X					~10% Qtz at surface.	
170242	509525		20					X				X						X					~20% Qtz @ surface.	
170243	509475		30					X		X								X				Q/s/d		
170244	509425		20					X		X							X+X		d				dol w/ minor Qtz.	
170245	509375		20					X		X							X	X		d			dol outcrop w/ minor Qtz.	
170246	509325		20					X		X									X					
170247	509275		25				X					X								X				
170248	509225		25					X		X				X									dol gravel @ 25cm depth.	
170249	509175		25						X				X						X				Minor Qtz gravel at surface.	
170250	509125	7719500	30					X				X							X					

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES *Rock Type s=sed d=dol q=qtz
				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*	
170251	509075	7719500	30				X					X					X		X					Small 25cm wide ridges (5cm high) of gravel
170252	509025		30					X		X							X	X	X					~50cm in length Mixed gravel 1.2m away.
170253	508975		20				X					X						X						Possibly disturbed. Near ridges + ab rockish
170254	508925		40				X					X								X				
170255	508875		40						X			X					X	X	X					Gravel soil (red) across sand @ surface
170256	508825		30						X			X					X	X	X					More gravel ~40% at depth Surface 70% covered
170257	508775		35					X				X								X				
170258	508725		30					X		X							X	X	X					Surface 80% covered. Col @ depth?
170259	508675		30				X			X								X	X					Dol + Qtz at surface. Dol @ 30cm dol outcrop 1m away.
170260	Duplicate	170259																						
170261	508625		40				X			X								X						d Dol outcrop 1m away
170262	508575		30			X				X								X	X					Col @ 30cm
170263	508525		25				X					X								X				Minor Qtz (<5%) at depth
170264	508475		30				X					X								X				" "
170265	508425		30				X					X								X				" "
170266	508375		40				X					X								X				Sandy loam
170267	508325		40				X					X								X				" "
170268	508275		50				X					X								X				" "
170269	508225		50				X					X								X				" "
170270	508175		50				X					X								X				" " silt
170271	508125		40				X					X								X				Sandy loam
170272	508075		60				X					X								X				" "
170273	508025		60				X					X								X				" "
170274	507975		60				X					X								X				" "
170275	507925	7719500	60				X					X								X				" " q, silt

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA

AREA: KURINELLI

DATUM: WGS 84/MGA94

DATE: JULY 2007

TYPE: SOIL

WEIGHT: min 500g

MESH: -2mm

SAMPLER:

[illegible]

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES *Rock Type s=sed d=dol q=qtz	
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)						ROCK*				
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*		
170301	508875	7719250	30				X				X								X						
170302	508825		35				X				X								X					Sandstone at 35cm. brittle.	
170303	508775		35				X				X								X					sst + Qtz at depth 35cm.	
170304	508725		35					X			X								X						
170305	508675		30					X			X								X					~ 50% Qtz at surface, 30% at depth	
170306	508625		30					X			X						X	X	X						
170307	508575		30				X				X									X					
170308	508525		35					X			X									X				Sandy loam	
170309	508475		30					X			X								X	X				Sst + dol. Minor (<5%) Qtz.	
170310	508425		30				X				X								X	X					sst w/ minor qtz
170311	508375		35					X			X									X					~ 20% Qtz at surface, sst at depth in sandy red bar
170312	508325	35				X				X									X						
170313	508275	30				X				X									X					Possibly disturbed.	
170314	508225	30				X				X															
170315	508175	40				X				X									X						
170316	508125	7719250	40					X		X									X						
170317	509625	7720250	50				X			X									X					Sandy loam.	
170318	509575		40				X			X									X					Minor sst + Qtz at depth.	
170319	509525		40				X			X									X	X					sst at depth.
170320	Duplicate		170319																						
170321	509475		20				X			X									X			S		sst bedrock @ 20cm.	
170322	509450		35				X			X									X			S			
170323	509425		30				X			X									X			S			
170324	509375		25				X			X									X	X				slg Qtz = bladed + sst.	
170325	509325	7720250	30					X			X										X				

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES *Rock Type s=sed d=dol q=qtz	
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)						ROCK*				
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*		
170326	509275	7720250	40					X				X							X						
170327	509225		40					X				X							X						
170328	509675		30				X					X							X						Sandy loam.
170329	509725		30				X					X							X						" "
170330	509775		30				X					X							X						" "
170331	509825		40				X					X							X						" "
170332	509875		30				X					X						X	X						55% w/minor Qtz - Bedrock @ 30cm
170333	509925		40				X					X							X						
170334	509975		35				X					X						X	X						Minor gravel at surface ~ 30%.
170335	510025		30				X					X							X						
170336	510075		40				X					X							X						
170337	510125		40					X				X						X	X						Minor Fe pisolites + Qtz @ 40cm.
170338	510175		30				X					X						X	X						"
170339	510225		40					X				X							X	X					
170340	Duplicate	170339																							
170341	510275		30					X				X							X	X					Qtz at 30cm.
170342	510325		30				X					X							X						
170343	510375		30				X					X							X						Sandy loam.
170344	510425	7720250	30					X				X							X						" "
170345	510675	7720400	40					X				X							X						" "
170346	510650		30				X					X							X						" "
170347	510625		40				X					X							X						" "
170348	510600		40				X					X							X						" "
170349	510575		40				X					X							X						" "
170350	510550	7720400	25				X					X							X						" "

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE							ROCK*			NOTES *Rock Type s=sed d=dol q=qtz
				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*		
170351	510525	7720400	10				X					X						X					Bedrock - Qtz gravel		
170352	510500		20				X					X					X	X					Minor qtz @ surface		
170353	510475		30					X				X						X							
170354	510450		30					X				X						X							
170355	510425		30				X					X					X	X					50% Qtz, 20% sst + 30% ls and		
170356	510400		30				X					X						X	X						
170357	510375		25				X					X						X							
170358	510350		30				X					X							X						
170359	510325		30				X					X						X				Q			
170360	Duplicate		170359				/																		
170361	510300			30				X					X					X							
170362	510275	40						X				X						X							
170363	510250	30						X				X						X							
170364	510225	30						X				X					X	X					Gravel @ 30cm -		
170365	510200	35						X				X					X	X					" "		
170366	510175	30						X				X				X	X	X							
170367	510150	20						X				X				X	X	X					Minor Fe. Scattered gravel		
170368	510125	30						X				X				X	X	X					" "		
170369	510100	25						X				X				X	X	X					" "		
170370	510075	30						X				X					X						minor gravel - sst + Fe.		
170371	510050	50					X		X									X				Sandy loam			
170372	510025	20				X			X									X				Bedrock - dol			
170373	510000	30					X		X									X							
170374	509975	20				X			X							X			d			Bedrock dol			
170375	509950	7720400	30					X	X							X	X					dol. w/ minor qtz.			

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA

AREA: KURINELLI

DATUM: WGS 84/MGA94

DATE: JULY 2007

TYPE: SOIL

WEIGHT: min 500g

MESH: -2mm

SAMPLER:

[illegible]

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE							NOTES			
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)					ROCK*			*Rock Type s=sed d=dol q=qtz		
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*		SCREE - TYPE*	
170401	509500	7720350	30				X			X								X	X				Q		
170402	509525		30				X			X								X	X				Q	Blocked Qtz	
170403	509550		30				X			X								X	X				S		
170404	509575		30				X			X								X	X				S		
170405	509600		35				X			X								X	X				S		
170406	509625		35				X			X								X	X						
170407	509650		40				X					X								X				No gravel @ depth	
170408	509675		40				X					X								X				Qtz gravel @ depth.	
170409	509700		40				X					X								X				Sandy loam.	
170410	509725		50				X					X								X				" "	
170411	509750		40				X					X								X				" "	
170412	509775		40				X					X								X				" "	
170413	509800		35						X			X								X				" "	
170414	509825		30				X				X								X	X					5m from sst scree mound
170415	509850		30				X				X								X	X					5m sst scree mound/hill. Minor Qtz
170416	509875		30				X				X								X	X					" "
170417	509900	40				X				X								X	X					5m from sst scree mound	
170418	509925	30				X					X							X	X						
170419	509950	35						X			X									X					
170420	Duplicate	170419																							
170421	509975		30					X			X						X								
170422	510000		40					X			X						X								
170423	510025		30					X			X									X				Sandy loam.	
170424	510050		30					X			X									X				" "	
170425	510075		7720350	30				X			X									X				" "	

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES *Rock Type s=sed d=dol q=qtz
				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*	
170426	510100	7720350	30					X				X							X	X				Minor Qtz
170427	510125		30					X				X							X	X				" "
170428	510150		20					X				X							X	X				" "
170429	510175		20					X				X					X	X	X					
170430	510200		25					X				X						X	X					
170431	510225		25					X				X					X	X	X					
170432	510250		25					X				X					X	X	X					
170433	510275		25					X				X					X	X	X					Minor gravel
170434	510300		30					X				X					X	X	X	X				" "
170435	510325		30				X					X							X	X				" "
170436	510350		30				X					X								X				
170437	510375		20				X					X							X	X				Minor Qtz
170438	510400		20				X					X								X				
170439	510425		25				X					X								X				
170440	Duplicate	170439																						
170441	510450		15				X					X						X	X					
170442	510475		25				X					X								X				Sandy loam
170443	510500		30				X					X								X				" "
170444	510525		25				X					X								X				" "
170445	510550		30				X					X								X				" "
170446	510575		30				X					X								X				" "
170447	510600		35				X					X								X				" "
170448	510625		35				X					X								X				" "
170449	510650		35				X					X								X				" "
170450	510675	7720350	35				X					X								X				" " 31/07/07

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)						SURFACE						NOTES		
				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*	*Rock Type s=sed d=dol q=qtz
170451	509650	7720300	40				X					X								X				Sandy loam.
170452	509675		30				X					X								X				" "
170453	509700		40				X					X								X				" "
Pin 170454	509725		30				X					X								X				" "
170455	509750		45				X					X								X				" "
Pin 170456	509775		30				X					X								X				" "
170457	509800		40					X				X								X				" "
170458	509825		30				X			X								X	X					On slope of sst mound Minor dte
170459	509850		30				X			X								X	X				S	" " <5%
170460	Duplicate	170459																						
170461	509875		30				X			X								X	X				S	" "
170462	509900		30				X			X								X	X				S	" "
170463	509925		40					X		X								X	X					30% gravel at surface. 50% at depth
170464	509950		30					X				X						X	X					dol outcrop 1m away. Gravel at surface depth
170465	509975		45				X					X							X	X				Bedrock at 45cm. Minor gravel. Pass laterite.
170466	510000		45				X					X								X				Weathered dol @ 45cm.
170467	510025		40					X				X								X				Sandy loam
170468	510050		30					X				X					X	X	X					" " w/ minor gravel @ 30cm.
170469	510075		35						X			X					X	X	X					
170470	510100		35					X				X						X	X					
170471	510125		30				X					X						X	X					ss + dol.
170472	510150		40					X				X					X	X	X					minor Fe.
170473	510175		40					X				X						X	X					
170474	510200		40					X				X						X	X					
170475	510225	7720300	40				X					X					X	X	X					

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOIL

AREA: KURINELLI
WEIGHT: min 500g

DATUM: WGS 84/MGA94
MESH: -2mm

DATE: JULY 2007
SAMPLER:

[illegible]

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES *Rock Type s=sed d=dol q=qtz
				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*	
170501	509300	7720300	30				X					X						X					Sandy loam.	
170502	509275	1	25					X				X						X					" "	
170503	509250	7720300	30					X				X						X					" "	
170504	509650	7720200	30				X					X						X					" "	
170505	509625		40				X					X						X					" "	
170506	509600		50					X				X						X					" "	
170507	509575		40					X				X						X					" "	
170508	509550		30				X			X						X	X				sst		Sst scree mound w/minor Qtz	
170509	509525		30				X			X						X	X						Minor gravel.	
170510	509500		30				X			X						X	X						" " mostly sst. <5% Qtz	
170511	509475		20				X			X						X	X				sst		Scree slope sandstone <5% Qtz	
170512	509450		30				X			X						X	X				sst		" " "	
170513	509425		30				X				X					X	X				sst		" " "	
170514	509400		30				X				X					X	X				sst		" " "	
170515	509375		35				X			X						X	X				5/2		Scree slope 60% sst 40% Qtz	
170516	509350		20				X			X						X	X				5/2		Scree slope 40% sst 60% Qtz	
170517	509325		40					X				X						X					Sandy loam w/Qtz gravel @ 40cm.	
170518	509300		30					X				X						X					" " " 30cm	
170519	509275		45					X				X						X					Sandy loam w/minor sst+qtz gravel	
170520	Duplicate	170519																						
170521	509250	1	40				X			X						X	X						Minor sst + Qtz. Cal bedrock @ 40?	
170522	509225		30					X				X				X	X						70% gravel @ 30cm.	
170523	509200	7720200	30					X				X						X					Sandy loam.	
170524	509675	1	30				X					X						X					" "	
170525	509700		30				X					X						X					" "	

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES
				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*	
170526	509725	7770200	40				X					X							X					
170527	509750		30				X					X							X					
170528	509775		30				X					X							X					
170529	509800		30				X					X							X					5 m from sst scree mound.
170530	509825		30				X					X						✓	X					" "
170531	509850		20				X			X		.						X	X					ss Minor Qtz on a sst scree slope
170532	509875		15				X			X								X	X					ssr " "
170533	509900		20				X			X								X	X					sed " "
170534	509925		15				✓					X				X	X	X						band w/5% fe + 5% sst
170535	509950		30					X				X					X	X	X					
170536	509975		20				X					X					X	X	X					
170537	510000		20				X					X					X	X	X					Minor gravel
170538	510025		20					X				X							X					
170539	510050		15					X				X					X	X	X					
170540	Duplicate	170539																						
170541	510075		25					X				X					X	X	X					
170542	510100		25					X				X					X	X	X					
170543	510125		30					X				X					X	X	X					
170544	510150		30					X				X						X	X					
170545	510175		25					X				X								X				Sandy loam.
170546	510200		25					X				X							X					" "
170547	510225		30					X				X				X	X	X	.					30% gravel @ surface.
170548	510250		30					X				X							X					Minor <5% Qtz + sst gravel.
170549	510275		40				X					X							X					Veg @ end of plain.
170550	510300	7770200	20				X					X							X					~10% sst gravel @ 20cm.

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						NOTES			
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)						ROCK*			*Rock Type s=sed d=dol q=qtz sst = Sandstone.
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*	
170551	510325	772020G	30				X				X							X						Qtz gravel @ 30cm
170552	510350		30				X				X							X						Sandy loam
170553	510375		30				X				X							X						" "
170554	510400		30				X				X							X						" "
170555	510425	772020G	30				X				X							X						" "
170556	509625	7720150	20				X				X							X						" " ↑
170557	509650		30				X				X							X						" " Veg near track F
170558	509675		25				X				X							X						" "
170559	509700		25				X				X							X						" "
170560	Duplicate	170559																						
170561	509725		25				X				X							X						" " ↓
170562	509750		25				X			X							X							sst sst scree mound, Bedrock @ 25cm
170563	509775		25				X			X							X	X						sst " " w/ minor < 1% Qtz. Did not
170564	509800		30				X					X					X	X						sst hit bedrock. 2m from Hilltop.
170565	509825		20				X			X							X	X						sst sst scree mound w/ minor < 1% Qtz. No bedrock
170566	509850		30				X			X							X	X						sst Bedrock @ 20cm. Minor Qtz @ surface.
170567	509875		30				X			X							X	X						sst Minor < 5% Qtz at surface. 0.2m depth
170568	509900		35				X			X							X	X						sst " " "
170569	509925		25				X				X				X			X						
170570	509950		30				X				X						X	X						Minor Qtz + sst gravel
170571	509975		30					X			X						X	X						Yellow calcareous type concretions in soil
170572	510000		25				X				X						X	X						" "
170573	510025		25					X			X						X	X						70% Qtz at surface
170574	510050		30					X			X								X					Qtz at depth. ~20%
170575	510075	7720150	30					X			X								X					

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOIL

AREA: KURINELLI
WEIGHT: min 500g

DATUM: WGS 84/MGA94
MESH: -2mm

DATE: JULY 2007
SAMPLER:

[illegible]

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOIL

AREA: KURINELLI
WEIGHT: min 500g

DATUM: WGS 84/MGA94
MESH: -2mm

DATE: JULY 2007
SAMPLER:

[illegible]

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						NOTES			
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)					ROCK*			*Rock Type s=sed d=dol q=qtz	
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*	
170601	509375	7720150	40				X			X								X	X				ss+	Minor Qtz
170602	509350		40				X			X								X	X				ss+	50% ssd, 40% Qtz
170603	509325		30				X			X							X		X		Q			Qtz outcrop @ surface 50cm away.
170604	509300		60					X			X						X		X	X				Minor Qtz gravel @ surface.
170605	509275		35				X			X								X	X	X				Q/s Fe nodules. Mostly Qtz
170606	509250		35				X			X								X	X	X				Q/s ~10% Fe nodules
170607	509225		45				X			X								X	X	X				Q/s ~10% Fe nodules
170608	509200		40				X					X									X			Sandy loam.
170609	509175		40				X					X									X			" "
170610	509150		40				X					X									X			" "
170611	509125		7720150	50				X				X									X			" "
170612	509600	7720100	30				X				X									X			In middle of road	
170613	509625		25				X				X									X			Sandy loam	
170614	509650		30				X				X									X			" "	
170615	509675		30				X				X									X			" "	
170616	509700		40				X				X									X			" "	
170617	509725		40					X		X									X	X			ss+	Scree of ss+ + minor Qtz. hill 20m away.
170618	509750		25				X			X									X	X			ss+	ss+ scree hill, w/ minor Qtz
170619	509775	30				X					X							X	X			ss+	" " "	
170620	Duplicate	170619																						
170621	509800		25				X			X								X	X			ss+	" " "	
170622	509825		40				X			X								X	X			ss+	" " "	
170623	509850		30				X			X								X	X			ss+	" " "	
170624	509875		50				X			X							X	X	X			ss+	Smaller grain sized scree - less cover	
170625	509900		7720100	40					X			X							X	X			ss+	

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES *Rock Type s=sed d=dol q=qtz	
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)					ROCK*					
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*		
170626	509925	7720100	40					X			X				X			X						Sandy loam	Plain
170627	509950		35					X			X				X			X						" "	↓
170628	509975		30					X			X							X	X					w/ minor fe.	
170629	510000		30					X			X							X	X					Major - Qtz, Minor fe + sst.	
170630	510025		20					X			X				X					X				Gravel (sst + Qtz) at 20cm	
170631	510050		30					X			X							X	X						
170632	510075		30					X			X							X	X	X				Minor gravel ~10% Qtz	
170633	510100		20					X			X							X	X	X				" "	" "
170634	510125		30					X			X							X	X	X				" "	" "
170635	510150		30				X				X									X				Minor gravel - Qtz + sst (<10%)	
170636	510175		30					X			X							X	X					Qtz gravel w/ minor sst.	
170637	510200		35					X			X									X				w/ minor Qtz gravel.	
170638	510225		30				X				X									X				Veg on E side of plain	↓
170639	510250		30				X				X									X					
170640	Duplicate	170639																							
170641	510275		40				X				X									X				Sandy loam.	
170642	510300		35				X				X									X				" "	
170643	510325	7720100	40				X				X									X				" "	
170644	509575	7720100	40				X				X									X				" "	
170645	509550		25				X				X									X				" "	Minor Qtz.
170646	509525		30				X				X									X				" "	↓
170647	509500		45				X				X									X				" "	" "
170648	509475		20				X				X									X				" "	" "
170649	509450		40					X			X									X				" "	" "
170650	509425	7720100	45				X				X									X				" "	" "

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES
				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*	
170651	509400	7720100	25				X					X						X	X					Minor gravel @ surface. Sst gravel @ 25cm
170652	509375		40				X					X						X	X					" " "
170653	509350		30				X					X				X				X				Minor gravel.
170654	509325		30				X					X				X		X	X					
170655	509300		20				X			X						X		X	X	Q/s				Veined Qtz outcrop. Bedrock @ 20cm
170656	509275		20					X		X						X		X	X		Q/s			
170657	509250		25				X			X										X				Qtz + sst gravel.
170658	509225		30				X					X								X				Sandy loam, Minor gravel.
170659	509200		35					X				X								X				" " "
170660	Duplicate	170659																						
170661	509175		30					X				X								X				" " "
170662	509150		25					X				X							X	X				Minor Qtz gravel.
170663	509125		25					X				X							X	X				" " "
170664	509100		35					X				X				X				X				Sandy loam
170665	509075	7720100	30					X				X				X				X				" "
170666	509600	7720050	20				X					X								X				" "
170667	509625		35				X					X								X				" "
170668	509650		25				X					X								X				" "
170669	509675		25				X					X								X				" "
170670	509700		25					X				X								X				" "
170671	509725		30					X				X						X	X					sst 50m from outcrop - sst + white fine grained sst
170672	509750		30				X			X								X	X					25m " "
170673	509775		5				X			X								X	X					sst At base of white outcrop. Bedrock
170674	509800		10				X			X								X	X					sst Bedrock @ 50m @ 10cm. minor Qtz at surface.
170675	509825	7720050	25				X			X								X	X					sst Minor Qtz.

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOIL

AREA: KURINELLI
WEIGHT: min 500g

DATUM: WGS 84/MGA94
MESH: -2mm

DATE: JULY 2007
SAMPLER:

[illegible]

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES *Rock Type s=sed d=dol q=qtz
				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*	
170701	509450	7720050	25				X					X				X				X				
170702	509425		35				X					X						X	X					
170703	509400		40				X					X						X	X					Sandy loam.
170704	509375		30				X					X				X		X	X					
170705	509350		30				X					X				X		X	X					Minor gravel
170706	509325		30				X			X						X		X	X					~20% gravel.
170707	509300		30				X			X						X		X	X					
170708	509275		30				X			X									X		Q			
170709	509250		30					X		X									X				Q	
170710	509225		25					X		X									X				Q.	
170711	509200		40					X				X				X				X				Sandy loam w/minor qtz
170712	509175		25					X				X				X				X				
170713	509150		30					X				X				X				X				Qtz gravel @ 30cm.
170714	509125		30					X				X							X	X				" "
170715	509100		35				X					X				X				X				
170716	509075		35				X					X				X				X				Sandy loam
170717	509050	7720050	40				X					X				X				X				" "
170718	509600	7719950	40				X					X				X				X				" " E of road. veg.
170719	509625	1	30				X					X				X				X				" "
170720	Duplicate	170719																						
170721	509650		50				X					X				X				X				" "
170722	509675		30				X					X				X				X				" "
170723	509700		30				X					X				X				X				" "
170724	509725		30				X					X				X				X				ss gravel @ 30cm.
170725	509750	7719950	30				X					X				X	X							ss gravel @ surface + depth.

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
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WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE							NOTES				
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)					ROCK*			*Rock Type s=sed d=dol q=qtz			
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*		SCREE - TYPE*		
170726	509775	7719950	25				X				X						X	X								
170727	509800		25					X			X					X		X								
170728	509825		40				X			X						X			X						Q Qtz outcrop 2m away	
170729	509850		30					X			X					X			X	X						
170730	509875		40					X				X				X				X					dol gravel @ 20m.	
170731	509900		30						X			X				X		X	X		d					dol outcrop. Gravel @ 30cm.
170732	509925		30					X				X				X				X						
170733	509950		40					X				X				X	X	X	X							50% gravel @ surface.
170734	509975		30					X				X						X	X							" "
170735	510000		30					X				X				X				X						Qtz gravel @ 30cm.
170736	510025		30					X				X				X		X	X	X						" "
170737	510050		30					X				X				X		X	X	X						Minor gravel at surface.
170738	510075		30					X				X				X		X	X	X						" "
170739	510100		30						X			X				X		X	X	X						~40% gravel @ surface.
170740	Duplicate		170739																							
170741	510125			35				X				X				X		X	X	X						~10% gravel @ surface
170742	510150		35					X			X				X				X						veg @ other side of pin.	
170743	510175		40				X				X				X				X						Sandy loam.	
170744	510200		40				X				X				X				X						" "	
170745	510225	7719950	40				X				X				X				X						" "	
170746	509600	7719900	30				X				X				X				X						" "	
170747	509625		35				X				X				X				X						" "	
170748	509650		40				X				X				X				X						" "	
170749	509675		40				X				X				X				X						" "	
170750	509700		7719900	35				X				X				X				X						" "

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						NOTES		
				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*
170751	509725	779900	30				X				X			X				X					Sandy loam
170752	509750		40				X				X			X				X					" "
170753	509775		25				X				X					X	X						sst. 5st + Qtz gravel - Surface + @ 25cm
170754	509800		35					X			X			X				X					Fine grained sst scree
170755	509825		30					X			X			X				X					
170756	509850		35					X			X			X				X					Qtz gravel @ 35cm.
170757	509875		30					X			X			X				X					
170758	509900		30					X			X			X			X						~20% Qtz.
170759	509925		30					X			X			X			X						" "
170760	Duplicate	170759																					
170761	509950		50				X				X			X				X					Qtz at 50cm
170762	509975		25				X				X			X				X					
170763	510000		30				X				X			X			X						Minor Qtz @ surface + depth
170764	510025		30					X			X			X			X						" "
170765	510050		30					X			X			X		X	X						~40% gravel @ surface.
170766	510075		35					X			X			X		X	X						~20% " "
170767	510100		40					X			X			X			X						<5% Qtz.
170768	510125	7719900	35					X			X			X			X						" "
170769	509600	7719850	30				X				X			X				X					Sandy loam.
170770	509625		30				X				X			X				X					" "
170771	509650		40				X				X			X				X					" "
170772	509675		30				X				X			X				X					" "
170773	509700		30				X				X			X				X					" "
170774	509725		30				X				X			X				X					" "
170775	509750	7719850	30				X				X			X				X					" "

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOIL

AREA: KURINELLI
WEIGHT: min 500g

DATUM: WGS 84/MGA94
MESH: -2mm

DATE: JULY 2007
SAMPLER:

[illegible]

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES
				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
170801	509850	7719800	30					X				X				X				X				Sandy loam.
170802	509875		30					X				X				X				X				" "
170803	509900		40					X				X				X				X				" "
170804	509925		30					X				X				X				X				" "
170805	509950		40				X					X				X				X				" "
170806	509975		40				X					X				X				X				" "
170807	510000		40				X					X				X				X				" "
170808	510025	7719800	30				X					X				X				X				" "
170809	509600	7719700	25				X					X				X			X	X				At roadside minor qtz.
170810	509625		30				X					X				X				X				Sandy loam
170811	509650		30				X					X				X		X	X					Minor ss
170812	509675		30				X					X				X		X	X					Plain. little veg.
170813	509700		25				X					X				X			X					" " ~ 10% Qtz gravel
170814	509725		30				X					X				X			X					" " "
170815	509750		30					X				X				X			X					" " "
170816	509775		40					X				X				X		X	X					
170817	509800		40					X				X				X		X	X					
170818	509825		40					X				X				X		X	X					
170819	509850		40					X				X				X		X	X					Qtz gravel @ surface ~ 20%.
170820	Duplicate	170819																						
170821	509875		40					X				X				X		X	X					Minor Qtz gravel ~ 10%.
170822	509900		40					X				X				X	X		X					
170823	509925		40					X				X				X	X	X	X					Minor ss + Fe ~ 20% Qtz.
170824	509950		35					X				X				X	X	X	X					" "
170825	509975	7719700	40					X				X				X			X					Minor Qtz @ 40cm.

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						NOTES			
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)					ROCK*			*Rock Type s=sed d=dol q=qtz	
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*		SCREE - TYPE*
170826	509600	7719650	40				X				X				X		X							@ 40cm ~ 50% sst gravel
170827	509625		30				X				X				X		X		X					Sst gravel
170828	509650		30				X				X				X		X	X						Minor gravel @ surface ~ 40% at depth
170829	509675		40				X				X				X		X	X						Minor qtz.
170830	509700		40				X				X				X		X	X						"
170831	509725		45				X				X				X		X	X						" " mostly sst
170832	509750		30				X				X				X				X					
170833	509775		30				X				X				X				X					
170834	509800		40					X			X				X			X						< 10% Qtz
170835	509825		50					X			X				X	X	X	X						~ 40% Qtz. minor sst + pe.
170836	509850		40					X			X				X	X	X	X						" " "
170837	509875		40					X			X				X	X	X	X						~ 30% Qtz.
170838	509900		40					X			X				X		X	X						minor sst.
170839	509925	7719650	30					X			X				X			X						
170840	Duplicate	170839					/																	
170841	509600	7719600	40					X			X				X			X						
170842	509625		40					X			X				X				X					Sandy loam.
170843	509650		30					X			X				X	X	X	X						Very fine grained silty gravel. 10% Qtz
170844	509675		40					X			X				X	X	X	X						~ 60% Qtz, 10% sst + 5% pe at surface.
170845	509700		25					X			X				X	X	X	X						~ 50% less at depth, 10% sst + < 5% pe
170846	509725		30					X			X				X	X	X	X						Only 30% surface gravel. ~ 20% at depth.
170847	509750		30					X			X				X		X	X						~ 20% surface gravel. ~ 20% at depth.
170848	509775		40					X			X				X		X	X						~ 20% surface gravel. ~ 20% at depth in sandy
170849	509800		40					X			X				X		X	X						~ 10% " " loam.
170850	509825	7719600	40					X			X				X		X	X						" " "

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

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SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES *Rock Type s=sed d=dol q=qtz C-Cal
				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*	
170851	509750	7720550	60				X					X						X					Sandy loam	
170852	509775		60				X					X						X					" "	
170853	509800		60				X					X						X					" "	
170854	509825		60				X					X						X					" " minor q	
170855	509850		50				X					X						X					" " Siltstone	
170856	509875		50				X					X						X					" " Siltstone, bedrock	
170857	509900		40				X					X					X	X		X			" " Siltstone	
170858	509925		50				X					X					X	X		X			" " " "	
170859	509950	50				X					X					X	X		X			" " " " bedrock		
170860	Duplicate	170859																						
170861	509975		50				X					X					X	/	X		X		Sandy loam, silt, q	
170862	510000		50				X					X						X	/	X		X	" " " " minor q	
170863	510025		50				X					X						X	/	X		X	" " Silt, minor q	
170864	510050		60				X					X			/		X	/				X	Sandy loam, silt, minor q	
170865	510075		60				X					X			/		X	/				X	Sandy loam, silt	
170866	510100		80				X					X			X								Sandy loam, d, q, minor silt	
170867	510125		50				X					X			X			X					Sandy loam, d, silt	
170868	510150		50				X					X			/			X					" " " " minor silt, minor q	
170869	510175		7720550	50				X				X			/			/					" " " " minor q	
170870	510200			40				X				X			/			X					" " " "	
170871	510225	60					X					X			/			X					" " " " very minor q	
170872	510250	60					X					X						X					" " " " minor q, minor silt	
170873	510275	60					X					X						X					" " " " minor q	
170874	510300	60					X					X			/			X					" " " "	
170875	510325	50		X								X						X						" " " " C, q

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DATE: JULY 2007
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ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE							NOTES		
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)					ROCK*		*Rock Type s=sed d=dol q=qtz L-LAT P-PIS		
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*		SUBCROP - TYPE*	SCREE - TYPE*
170901	DUPLICATE	170900	40				X					X								X				q, L, Clay loam
170902	510525	1	40				X					X							/	X				Sandy loam, minor q & L
170903	510500	7720450	40				X					X							/	X				" " " "
170904	510475		40				X					X							/	X				q, L, Sandy loam
170905	510450		40				X					X							/	X				Sandy loam, minor q
170906	510425		40				X					X							/	X				" " " q,
170907	510400		40				X					X								X				Sandy loam q,
170908	510375		40				X					X								X				" " very minor q
170909	510350		40				X					X								X				Sandy loam
170910	510325		40				X					X								X				" "
170911	510300		40				X					X								X				" " minor q
170912	510275		40				X					X								X				" " minor q
170913	510250		40				X					X								X				" " minor q
170914	510225		35				X					X								X				Sandy loam,
170915	510200		30				X					X								X				sand q, P
170916	510175		30				X					X							/	X				Clay loam, q, minor P
170917	510150		30				X					X								X				Clay loam, q
170918	510125		35				X					X							/	X				Sandy loam, minor q
170919	510100		40				X					X								X				Sandy loam, mixed, minor q
170920	Duplicate	170919	40				X					X								X				" "
170921	510075	7720450	40				X					X								X				" " d
170922	510050		45				X					X								X				" " silt, q
170923	510025		45				X					X								X				" " silt, q
170924	510000		30				X					X								X				sand silt, q
170925	509975						X					X							X	X				Sand loam, silt, minor q

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES
				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*	
170926	509950	7720450	40				X			W								X	X				X	Sandy loam, minor C, silt
170927	509925		40				X			E/S								X	X				X	Sandy loam, silt
170928	509900		40				X			S								X	X				X	" " silt
170929	509875		40				X			S/N								X	X				X	" " silt
170930	509850		40				X				X							X	X				X	" " silt
170931	509825		40				X				X								X					" " silt
170932	509800		45				X				X								X					" "
170933	509775		45				X				X								X					" "
170934	509750		40				X				X								X					Sandy loam
170935	509725		40				X				X								X					" "
170936	509700		40				X				X								X					" " minor q.
170937	509675		40				X				X								X					" "
170938	509650	7720450	40				X				X								X					" "
170939	509850	7719600	35					X			X						X	X	X					Minor sst gravel w/ Qtz + sandy loam
170940	Duplicate	170939																						" " "
170941	509875	7719600	40					X			X						X	X	X					" " "
170942	509600	7719550	50				X				X						X		X					
170943	509675		40				X				X						X		X					Minor Qtz.
170944	509650		40				X				X						X		X					Minor Qtz.
170945	509675		30				X				X						X	X	X					" " + fe.
170946	509700		40				X				X						X		X					
170947	509725		40				X				X						X		X					
170948	509750		40				X				X						X		X					~10% Qtz.
170949	509775		40				X				X						X	X	X					
170950	509800	7719550	40				X				X						X	X	X					

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES
				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*	
170951	509825	7719550	30					X				X				X		X	X					
170952	509850	1	30					X				X				X		X	X					Gravel in sandy loam. ~30% Qtz
170953	509875	7719550	30					X				X				X		X	X					Qtz ≈ 20%.
170954	509600	7719450	30				X					X				X				X				
170955	509625		30				X					X				X		X	X					Sandy loam w/ minor gravel.
170956	509650		30					X				X				X	X	X	X					~40% gravel @ surface.
170957	509675		30					X				X				X	X	X	X					" " "
170958	509700		35					X				X				X			X					~20% Qtz in Sandy loam
170959	509725		40					X				X				X	X	X	X					~30% " "
170960	Duplicate	170959																						
170961	509750		30					X				X				X	X	X	X					" " "
170962	509775		25				X					X				X	X		X					
170963	509800		30				X					X				X				X				Sandy loam.
170964	509825		30				X					X				X				X				" "
170965	509850	7719450	40				X					X				X			X					" "
170966	509600	7719400	40				X					X				X	X		X	X				Gravel = 60% surface. Gravel = Qtz w/ minor sst.
170967	509625		35					X				X				X		X	X					Minor Qtz gravel.
170968	509650		30					X				X				X		X	X					Sandy loam w/ Qtz.
170969	509675		30					X				X				X		X	X					" "
170970	509700	7719400	40					X				X				X		X	X					" "
170971	508000	7719950	30				X					X				X		X						Minor gravel.
170972	508025		30				X					X				X			X					Sandy loam.
170973	508050		20				X					X				X			X					" "
170974	508075		30				X					X				X	X		X					" " w/ minor sst.
170975	508100	7719950	15				X					X				X	X	X						Minor gravel equal Qtz + sst.

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOIL

AREA: KURINELLI
WEIGHT: min 500g

DATUM: WGS 84/MGA94
MESH: -2mm

DATE: JULY 2007
SAMPLER:

[illegible]

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE							ROCK*			NOTES *Rock Type s=sed d=dol q=qtz																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)					ROCK*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
171001	508700	7719950	30				X				X					X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

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ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES *Rock Type s=sed d=dol q=qtz
				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*	
171026	509300	7719950	25				X					X				X				X				Sandy loam.
171027	509325		30				X					X				X		X						~30% sst gravel @ 30cm
171028	509350		30				X					X				X		X						" "
171029	509375		25				X					X				X				X				~30% sst gravel @ 25cm.
171030	509400		30				X					X				X		X	X					
171031	509425		35				X					X				X		X	X					~20% gravel (sst + qtz) at surface
171032	509450		30				X					X				X								ss + qtz gravel @ 30cm
171033	509475		30				X					X				X		X	X					ss + qtz 60% sst, 20% qtz, 20% sand
171034	509500		10				X					X				X		X	X					ss + sample @ depth
171035	509525		15				X					X				X		X	X					ss + minor qtz + sand
171036	509550		20				X					X				X		X	X					
171037	509575	7719950	10				X					X				X		X	X					
171038	509575	7719900	25					X		X						X								Minor slope due to windblown sand over
171039	509550	1	25				X					X				X								veg. ~ 1m + top.
171040	Duplicate	171039																						
171041	509525		30				X					X				X		X	X					Minor ss + qtz at surface. ss @ depth
171042	509500		25				X					X				X		X	X					in sandy loam
171043	509475		35				X					X				X								Minor qtz
171044	509450		30				X					X				X								ss + gravel @ 35cm + minor qtz
171045	509425		30				X					X				X								
171046	509400		35				X					X				X		X						Minor ss in sandy loam.
171047	509375		30				X					X				X								
171048	509350		20				X					X				X				X				+qtz ss @ 20cm
171049	509325		25				X					X				X				X				Minor ss @ 25cm.
171050	509300	7719900	30				X					X				X				X				" " @ 30cm

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE							NOTES			
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)					ROCK*			*Rock Type s=sed d=dol q=qtz		
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*		SCREE - TYPE*	
171051	509275	7719900	20				X				X				X		X	X						#4 10% gravel @ surface.	
171052	509250		10				X				✓				X				X						20% gravel @ depth
171053	509225		25				X				X				X		X	X							~40% gravel @ surface.
171054	509200		25				X				X				X		X	X							Minor gravel @ surface
171055	509175		20				X				X				X			X							
171056	509150		20				X				✓				X			X					Q		
171057	509125		35				X				X				X				X						
171058	509100		35					X			X				X				X						Sandy loam.
171059	509075		30					X			X				X				X						" "
171060	Duplicate		171059																						
171061	509050			25				X				X				X				X					
171062	509025	25					X				X				X				X						" "
171063	509000	25					X				X				X				X						ss+ gravel @ depth
171064	508975	25					X				X				X				X						
171065	508950	30					X				X				X				X						Sandy loam
171066	508925	25					X				X				X				X						" "
171067	508900	40					X				✓				X				✓						" "
171068	508875	30					X				X				X				✓						" "
171069	508850	30					X				X				X				X						" "
171070	508825	30					X				X				X				X						" "
171071	508800	30					X				X				X				X						" "
171072	508775	35					X				X				X				X						" "
171073	508750	40					X				X				X				X						" "
171074	508725	30					X				X				X				X						" "
171075	508700	7719900		30				X			X				X				X						ss+qtz @ 30cm.

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA

TYPE: SOIL

AREA: KURINELLI

WEIGHT: min 500g

DATUM: WGS 84/MGA94

MESH: -2mm

DATE: JULY 2007

SAMPLER:

[illegible]

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES *Rock Type s=sed d=dol q=qtz
				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*	
171101	508100	7719900	20				X					X			X					X				
171102	508075		30				X					X			X			X						Minor sst.
171103	508050		20				X					X			X			X						
171104	508025		35				X					X			X					X				
171105	508000	7719900	30				X					X			X			X	X					Minor Qtz + sst.
171106	508000	7719850	15				X					X			X			X	X					" "
171107	508025		15				X					X			X					X				
171108	508050		25				X					X			X					X				Sandy loam.
171109	508075		25				X					X			X					X				" "
171110	508100		30				X					X			X					X				" "
171111	508125		30				X					X			X					X				sst @ 30cm in sandy loam
171112	508150		45				X					X			X			X						Minor sst.
171113	508175		35				X					X			X	X	X							
171114	508200		35				X					X			X	X	X							
171115	508225		35				X					X			X		X							sst gravel ~40% @ 35cm
171116	508250		40				X					X			X		X							" " @ 40cm
171117	508275		35				X					X			X		X							" " @ 35cm
171118	508300		30				X					X			X		X							
171119	508325		30				X					X			X					X				Minor sst @ 30cm
171120	Duplicate	171119																						
171121	508350		25				X					X			X					X				
171122	508375		30				X					X			X					X				sst @ 30cm
171123	508400		30				X					X			X					X				" "
171124	508425		30				X					X			X					X				" "
171125	508450	7719850	30				X					X			X					X				

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						NOTES			
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)					ROCK*			*Rock Type s=sed d=dol q=qtz	
LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC												GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*					
171126	508475	7719850	30				X				X				X				X					Sandy loam.
171127	508500		30				X				X				X				X					" " w/ minor sst @ 30cm.
171128	508525		30				X				X				X				X					" " "
171129	508550		20				X				X					X	X	X						sst minor fe. Mostly sst ~70%.
171130	508675		20				X				X				X		X							~30% sst @ 20cm.
171131	508600		15				X				X				X									~30% sst @ 15cm
171132	508625		20				X				X				X		X							
171133	508650		20				X				X				X				X					
171134	508675		50				X				X				X				X					Sandy loam w/ minor sst
171135	508700		40				X				X				X				X					" "
171136	508725		30				X				X				X				X					" "
171137	508750		30				X				X				X				X					" "
171138	508775		30				X				X				X				X					" "
171139	508800		35				X				X				X				X					Sandy loam.
171140	Duplicate	171139																						
171141	508825		30				X				X				X				X					" "
171142	508850		30				X				X				X				X					" "
171143	508875		40				X				X				X				X					" "
171144	508900		30				X				X				X				X					" "
171145	508925		25				X				X				X				X					" "
171146	508950		30				X				X				X				X					" "
171147	508975		30					X			X				X				X					Minor sst @ 30cm.
171148	509000		30					X			X				X				X					
171149	509025		15					X			X				X	X	X	X						
171150	509050	7719850	15					X			X				X	X	X	X						Minor fe nodules ~25% surface

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						NOTES				
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)					ROCK*			*Rock Type s=sed d=dol q=qtz		
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*		SCREE - TYPE*	
171151	509075	7719850	30					X			X				X			X						Sandy loam	
171152	509100		20				X				X							X	X					sst + qtz gravel - surface + depth.	
171153	509125		20				X			X					X			X	X					Q Qtz gravel w/ minor sst	
171154	509150		10				X			X					X			X		Q				Q Outcrop near, Bedrock @ 10cm.	
171155	509175		50				X			X					X			X						Qtz, sst + Fe gravel ~ 10%	
171156	509200		25				X					X			X			X	X						~ 40% gravel @ 25cm.
171157	509225		15				X					X			X			X	X						" " 10cm.
171158	509250		20				X					X			X			X	X						" " 20cm.
171159	509275		25				X					X			X	X	X	X							" " 25cm.
171160	Duplicate		171159																						
171161	509300		25				X				X				X	X	X	X							
171162	509325		30				X				X				X				X					~ 30% Qtz + sst gravel @ depth	
171163	509350		35				X				X				X	X	X	X						" " "	
171164	509375		25				X				X				X				X						
171165	509400		30				X				X				X				X						
171166	509425		30				X				X				X			X	X						Minor sst
171167	509450		25				X				X				X			X	X						Minor sst
171168	509475		30				X				X				X				X						
171169	509500		30				X				X				X			X	X						Minor sst @ 30cm.
171170	509525		20				X				X				X			X	X						" " 20cm.
171171	509550		20				X				X			X				X							
171172	509575		20				X				X				X				X					Minor sst @ 20cm	
171173	509575		30				X				X				X			X	X						Minor gravel
171174	509550		35				X				X				X				X						
171175	509525		30				X				X				X			X	X						Minor gravel.

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOIL

AREA: KURINELLI
WEIGHT: min 500g

DATUM: WGS 84/MGA94
MESH: -2mm

DATE: JULY 2007
SAMPLER:

[illegible]

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE							ROCK*			NOTES
				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
171201	508925	7719800	40				✓					✓				✓				✓					Gravel @ 40 cm.
171202	508900		25				✓					✓								✓					Sandy loam
171203	508875		30				✓					✓								✓					" "
171204	508850		25				✓					✓								✓					" "
171205	508825		35				✓					✓								✓					" "
171206	508800		25				✓					✓								✓					" "
171207	508775		30				✓					✓								✓					" "
171208	508750		30				✓					✓								✓					" "
171209	508725		30				✓					✓								✓					" "
171210	508700		30				✓					✓								✓					" "
171211	508675		35				✓					✓								✓					" "
171212	508650		35				✓					✓								✓					" "
171213	508625		30				✓					✓								✓					" "
171214	508600		20				✓					✓								✓					" "
171215	508575		20				✓					✓								✓					" "
171216	508550		30				✓					✓								✓					" "
171217	508525		25				✓					✓						✓		✓					" " + minor sst < 5%
171218	508500		25				✓						✓	✓		✓		✓		✓					
171219	508475		30				✓					✓								✓					
171220	Duplicate	171219																							
171221	508450		20				✓					✓								✓					Sandy loam
171222	508425		30				✓					✓								✓					" "
171223	508400		30				✓					✓								✓					" "
171224	508375		25				✓					✓								✓					" "
171225	508350	7719800	35				✓					✓								✓					" " w/minor sst gravel

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ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE							NOTES				
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)						ROCK*			*Rock Type s=sed d=dol q=qtz		
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*			
171226	508325	7719800	20				X				X								X						Sandy loam.	
171227	508300		25				X				X								X						" "	
171228	508275		30				X				X								X						" "	
171229	508250		30				X				X								X						" "	
171230	508225		30				X				X								X						" " + minor sst gravel @ 30cm.	
171231	508200		25				X				X								X							
171232	508175		35				X				X								X							Sst @ 35cm. ~ 15% of sample.
171233	508150		30				X				X								X							Minor sst @ surface.
171234	508125		35				X				X								X							
171235	508100		20				X				X								X	X	X					~ 10% sst + 10% Qtz @ surface
171236	508075		25				X				X								X		X					
171237	508050	30				X				X								X		X						
171238	508025	10				X				X					X			X	X						Sst ~ 20% surface.	
171239	508000	7719800	20				X				X				X			X							Sst ~ 20% surface 50% depth.	
171240	Duplicate	171239																								
171241	508000	7719700	15				X				X				X	X	X	X							Sst	
171242	508025		15				X				X				X	X	X	X							Sst	
171243	508050		35				X				X				X			X		X						Minor sst. More at depth.
171244	508075		15				X				X				X			X		X						Minor sst.
171245	508100		30				X				X								X							
171246	508125		30				X				X								X							Sandy loam.
171247	508150		30				X				X								X							Sandy loam.
171248	508175		30				X				X								X							" "
171249	508200		30				X				X								X							w/ minor sst @ 30cm.
171250	508225		7719700	30				X				X							X							

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						NOTES			
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)					ROCK*			*Rock Type s=sed d=dol q=qtz	
LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC												GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*					
171251	508250	7719700	35				X				X								X					Sandy loam.
171252	508275		30				X				X								X					" " + ~10% sst @ 30cm
171253	508300		20				X				X								X					" " " 20cm
171254	508325		20				X				X								X					Sandy loam
171255	508350		25				X				X								X					" "
171256	508375		25				X				X						X	X	X					Minor gravel @ surface.
171257	508400		30				X				X								X					
171258	508425		35				X				X							X	X					Minor gravel.
171259	508450		25					X			X								X					
171260	Duplicate	171259																						
171261	508475		30				X				X								X					Sandy loam
171262	508500		30				X				X								X					" " w/ minor sst.
171263	508525		30				X				X								X					Sandy loam.
171264	508550		30					X			X								X					" "
171265	508575		20				X				X								X					hidden in bushes.
171266	508600		20				X				X								X					
171267	508625		20					X			X								X					sandy loam
171268	508650		10					X			X								X					" "
171269	508675		20					X			X								X					" "
171270	508700		20					X			X								X					" "
171271	508725		30					X			X								X					" "
171272	508750		30				X				X								X					" "
171273	508775		30				X				X								X					" " w/ 30% sst @ 30cm.
171274	508800		25				X				X					X	X	X	X					10% gravel + 10% Calcrete.
171275	508825	7719700	20				X				X					X		X			d			dol outcrop

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOIL

AREA: KURINELLI
WEIGHT: min 500g

DATUM: WGS 84/MGA94
MESH: -2mm

DATE: JULY 2007
SAMPLER:

[illegible]

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES *Rock Type s=sed d=dol q=qtz
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)						ROCK*			
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*	
171301	509425	7719700	30				X					X						X	X					sst w/ minor qtz
171302	509450		30				X					X						X	X					" "
171303	509475		30				X			X								X	X					" "
171304	509500		30				X					X						X	X					Predom sst
171305	509525		30				X					X						X	X					sst gravel @ depth
171306	509550		25				X					X						X						sst " "
171307	509575	7719700	35				X					X						X	X					~ 20% gravel @ surface -
171308	508000	7719650	20						X			X					X	X	X					Sandy clay loam
171309	508025		25				X					X					X	X	X					" " "
171310	508050		25				X					X					X	X	X					
171311	508075		25				X					X					X	X	X					Minor gravel in sandy loam
171312	508100		25				X					X					X	X	X					" " "
171313	508125		25				X					X						X	X					" " "
171314	508150		25				X					X						X	X					" " "
171315	508175		25				X					X						X	X					" " "
171316	508200		25				X					X						X	X					" " "
171317	508225		20				X					X						X	X					" " "
171318	508250		35				X					X				X		X	X					" " "
171319	508275		25				X				X				X	X	X	X					" " "	
171320	Duplicate		171319																					
171321	508300		35				X					X				X			X					Sandy loam
171322	508325		35				X					X				X			X					" "
171323	508350		35				X					X				X			X					" "
171324	508375		30				X					X				X			X					" "
171325	508400		7719650	35				X				X				X			X					

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES *Rock Type s=sed d=dol q=qtz
				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*	
171326	508425	7719650	25				X					X				X				X				Sandy loam
171327	508450		25				X					X				X				X				" "
171328	508475		30				X					X				X				X				" " almost red brown.
171329	508500		30				X					X				X				X				" " "
171330	508525		25					X				X				X				X				" "
171331	508550		20					X				X				X				X				" " w/minor cal
171332	508575		25				X					X				X				X				Sandy loam w/minor gravel
171333	508600		15				X					X				X	X	X	X					" " w/~50% gravel
171334	508625		15				X					X				X	X	X	X					Dot gravel in sandy loam
171335	508650		25				X					X				X		X						" "
171336	508675		25				X			X						X		X						d Do! scree w/minor qtz + cal. minor
171337	508700		20				X			X						X		X			d			Do! outcrop 1m either side w/cal
171338	508725		20				X			X						X		X						w/minor cal.
171339	508750		15				X			X						X		X			d.			Do! outcrop 1m away w/minor cal.
171340	Duplicate	171339					X					X				X	X	X	X					dol + ss! w/minor qtz + Fe.
171341	508775		20				X					X				X	X	X	X					dol + ss! w/minor qtz + Fe
171342	508800		20				X			X						X		X			d			Do! outcrop 0.5m away w/minor cal.
171343	508825		20				X					X				X	X	X	X					minor gravel.
171344	508850		20					X				X				X	X	X	X					" "
171345	508875		20				X					X				X		X	X					" "
171346	508900		15				X					X				X	X	X	X					~40% gravel @ surface
171347	508925		25					X				X				X	X	X	X					" " "
171348	508950		25				X					X				X				X				
171349	508975		25				X					X				X				X				Sandy loam.
171350	509000	7719650	20					X				X				X				X				" "

ARNHEM EXPLORATION & RURAL SERVICES

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SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES *Rock Type s=sed d=dol q=qtz
				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				
171326	508425	7719650	25				X				X				X				X					Sandy loam
171327	508450		25				X				X				X				X					" "
171328	508475		30				X				X				X				X					" " almost red brown.
171329	508500		30				X				X				X				X					" " "
171330	508525		25					X			X				X				X					" "
171331	508550		20					X			X				X				X					" " w/minor cal
171332	508575		25				X				X				X				X					Sandy loam w/minor gravel
171333	508600		15				X				X				X	X	X	X						" " w/~50% gravel
171334	508625		15				X				X				X	X	X	X						Dol gravel in sandy loam
171335	508650		25				X				X				X		X							" "
171336	508675		25				X			X					X		X				d	d		Dol scree w/minor qtz + cal. minor
171337	508700		20				X			X					X		X				d			Dol outcrop 1m either side w/cal
171338	508725		20				X			X					X		X							w/minor cal.
171339	508750		15				X			X					X		X				d.			Dol outcrop 1m away w/minor cal.
171340	Duplicate	171339					X				X				X	X	X	X						dol + sst w/minor qtz + fe.
171341	508775		20				X				X				X	X	X	X						dol + sst w/minor qtz + fe
171342	508800		20				X			X					X		X				d			dol outcrop 0.5m away w/minor cal.
171343	508825		20				X				X				X	X	X	X						minor gravel.
171344	508850		20					X			X				X	X	X	X						" "
171345	508875		20				X				X				X		X	X						" "
171346	508900		15				X				X				X	X	X	X						~40% gravel @ surface
171347	508925		25					X			X				X	X	X	X						" " "
171348	508950		25				X				X				X				X					Sandy loam.
171349	508975		25				X				X				X				X					" "
171350	509000	7719650	20					X			X				X				X					" "

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AREA: KURINELLI

DATUM: WGS 84/MGA94

DATE: JULY 2007

TYPE: SOIL

WEIGHT: min 500g

MESH: -2mm

SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE							ROCK*			NOTES *Rock Type s=sed d=dol q=qtz		
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)						ROCK*						
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*				
171351	509025	7719650	20				X				X				X				X							Sandy loam	
171352	509050		15				X				X				X			X	X							Sandy loam w/ 50% Qtz + minor ss	
171353	509075		30				X			X					X			X	X							end of N-S trending Qtz outcrop minor ss	
171354	509100		30				X			X					X			X	X							In sandy loam.	
171355	509125		30						X			X			X			X	X							" "	
171356	509150		30						X						X			X	X							~ 40% Gravel @ surface.	
171357	509175		25						X			X			X			X	X							" " "	
171358	509200		25						X			X			X			X	X							Minor gravel	
171359	509225		15						X			X			X			X	X							~ 40% Gravel @ surface.	
171360	Duplicate		171359																								
171361	509250			15					X			X				X			X	X							~ 70% Gravel @ depth
171362	509275	15					X			X					X			X	X							ss w/ minor qtz.	
171363	509300	40					X			X					X			X	X							ss " "	
171364	509325	30					X			X					X			X	X							ss " "	
171365	509350	30					X			X					X			X	X							ss " "	
171366	509375	30					X			X					X			X	X							ss " "	
171367	509400	40							X	X					X			X	X							ss " "	
171368	509425	30					X			X					X			X	X							ss " "	
171369	509450	40							X			X			X					X						Qtz + ss @ depth.	
171370	509475	30							X			X			X			X	X							Minor gravel	
171371	509500	40						X			X			X					X						~ 30% ss + qtz @ depth + minor cal.		
171372	509525	25				X			X					X			X	X							ss minor qtz		
171373	509550	25				X			X					X			X	X							ss " "		
171374	509575	7719650	25				X				X			X			X	X							~ 70% gravel @ surface. minor qtz		
171375	508000	7719600	20				X				X								X								

ARNHEM EXPLORATION & RURAL SERVICES

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SAMPLER:

[illegible]

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
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SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE							NOTES *Rock Type s=sed d=dol q=qtz	
															SOIL (Cross-maj tick-min)					ROCK*			
				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*
171401	508600	7719600	35		X					X					X		X			d			w/ cal. Mostly dol. outcrop < 1m
171402	508625		25		X					X					X		X			d			dol outcrop w/ minor cal
171403	508650		10		X							X			X		X			d			dol outcrop
171404	508675		25							X					X		X	X		d			w/ minor qtz + sst
171405	508700		50				X			X					X		X			d			w/ minor cal. dol < 1m away.
171406	508725		30				X			X					X		X	X					dol < 1m away. minor cal + qtz
171407	508750		30				X			X					X		X	X					" " "
171408	508775		40				X			X					X		X	X					" " "
171409	508800		40				X			X					X	X	X	X					Minor fe + qtz. Mostly dol/gravel.
171410	508825		20						X			X			X				X				sst + minor qtz + fe. Roadside + dol
171411	508850		20						X			X			X	X	X	X					
171412	508875		10				X					X			X		X	X					~ 30% gravel
171413	508900		30				X					X			X	X	X	X					Minor gravel.
171414	508925		25				X					X			X		X						
171415	508950		20				X					X			X				X				In huge spinifer bush
171416	508975		20						X			X			X				X				" " "
171417	509000		20						X			X			X				X				
171418	509025		5					X		X					X		X	X					Near furpentine bushes. ~ 90% sst + qtz
171419	509050		15				X			X					X		X	X					" " " gravel
171420	Duplicate	171419																					
171421	509075		15				X					X			X		X	X					~ 60% sst, qtz + minor fe gravel.
171422	509100		20						X			X			X		X	X					~ 30% " " "
171423	509125		15						X			X			X		X	X					" " "
171424	509150		15						X			X			X		X	X					~ 10% " " "
171425	509175	7719600	15						X			X			X		X	X					" " "

ARNHEM EXPLORATION & RURAL SERVICES

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WEIGHT: min 500gDATUM: WGS 84/MGA94
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SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE							ROCK*			NOTES *Rock Type s=sed d=dol q=qtz TT = turpentine trees.
				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*		
171426	509200	7719600	15						X			X			X			X							Sandy loam
171427	509225		20						X			X			X	X	X	X							~40% gravel mostly qtz
171428	509250		20						X			X			X	X	X	X							Dol gravel @ 20cm.
171429	509275		20						X			X			X		X	X							<10% gravel @ surface ~30% at depth
171430	509300		20				X					X			X	X	X	X							Minor pe.
171431	509325		25				X					X			X										Minor gravel @ depth.
171432	509350		20						X			X			X		X	X							~10% gravel @ surface.
171433	509375		10				X					X			X		X	X							~90% gravel @ 10cm.
171434	509400		15				X					X			X				X						ss+ (>10%) at depth
171435	509425		25				X			X						X	X	X	X						turpentine trees - disturbed land. in SL
171436	509450		25				X					X				X	X	X	X						~50% gravel disturbed TT
171437	509475	20				X					X				X	X	X	X						~5% gravel @ surface ~50% @ 20cm	
171438	509500	20						X			X			X				X						w/ dol gravel @ 20cm. TT	
171439	509525	20						X			X			X		X								" " "	
171440	Duplicate	171439																							
171441	509550	1	20						X			X			X		X								
171442	509575	7719600	25						X			X			X		X	X							Minor gravel @ surface.
171443	509575	7719550	30						X	X				X		X	X								dol gravel (outcrop 2m away).
171444	509550		15						X	X				X		X	X								" "
171445	509525		20						X			X			X		X	X							dol + minor qtz.
171446	509500		20						X			X			X		X	X							dol + minor qtz. outcrop ~3m away
171447	509475		35				X					X			X				X						
171448	509450		25				X					X			X		X	X							dol + qtz gravel
171449	509425		25				X			X					X	X	X	X							~80% gravel @ surface
171450	509400		7719550	25				X							X	X	X	X							~70% gravel @ surface.

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SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE							NOTES				
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)					ROCK*			*Rock Type s=sed d=dol q=qtz			
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*		SCREE - TYPE*		
171451	509375	7719550	20				X				X				X		X	X							In a sandy loam.	
171452	509350		20					X			X				X		X	X							~ 10% gravel @ surface	
171453	509325		20					X			X				X		X	X							" " mostly qtz.	
171454	509300		20					X			X				X	X	X	X								
171455	509275		20						X			Y			X	X	X	X							~ 20% gravel. TT	
171456	509250		10					X			X				X		X	X							Mainly dtz gravel w/minor sst	
171457	509225		30					X			X				Y	X	X	X							~ 50% gravel. Minor fe +sst	
171458	509200		25				X				X				X	X	X	X							~ 70% " "	
171459	509175		25				X				X				X	X	X	X							~ 30% gravel. Minor dtz + fe	
171460	Duplicate		171459																							
171461	509150			25				X				X				X	X	X	X							~ 80% sst gravel @ 25cm.
171462	509125	15					X				X				X	X	X	X							+ minor cal. TT	
171463	509100	20					X				X				X	X	X	X							~ 70% gravel @ surface. TT	
171464	509075	20							Y			Y			X	X	X	X							~ 40% gravel @ surface TT	
171465	509050	25						X	X						X	X	X	X							~ 80% gravel @ surface TT. Und	
171466	509025	15						X				X			X	X	X	X							~ 20% gravel @ surface TT	
171467	509000	20					X					X			X	X	X	X							~ 50% gravel in sand @ 20cm.	
171468	508975	20					X					X			X	X	X	X							~ 20% gravel.	
171469	508950	25					X					X			X				X						Sandy loam	
171470	508925	30					X					X			X				X						" "	
171471	508900	30				X					X			X				X						" "		
171472	508875	20						X			X				X	X	X	X							~ 60% gravel mostly sst.	
171473	508850	30						X			X				X	X	X	X							~ 30% gravel (w/dol)	
171474	508825	30				X					X				X	X	X	X							~ 40% gravel	
171475	508800	7719550	30				X				X				X	X	X	X							+ cal @ depth. dol @ surface.	

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SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE							ROCK*			NOTES *Rock Type s=sed d=dol q=qtz
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)					ROCK*					
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*		
171501	508200	7719550	35				X					X				X				X					Sandy loam
171502	508175		30				X					X				X				X					" "
171503	508150		30				X					X				X		X		X					" " + minor gravel
171504	508125		30				X					X				X				X					Sandy loam
171505	508100		30				X					X				X				X					" "
171506	508075		30				X					X				X				X					" "
171507	508050		35				X					X				X				X					" "
171508	508025		30				X					X				X				X					" "
171509	508000	7719550	30				X					X				X				X					" "
171510	508000	7719450	30				X					X				X				X					" "
171511	508025		30				X					X				X				X					" "
171512	508050		15				X					X				X				X					" "
171513	508075		15				X					X				X				X					" " TT (few)
171514	508100		20				X					X				X				X					" "
171515	508125		30						X			X				X				X					" " TT (few)
171516	508150		20						X			X				X				X					" " TT (few)
171517	508175		40						X			X				X				X					" "
171518	508200		30						X			X				X				X					" "
171519	508225		30						X			X				X				X					" "
171520	Duplicate	171519																							
171521	508250		25				X					X				X				X					" "
171522	508275		20				X					X				X				X					" "
171523	508300		30				X					X				X				X					" "
171524	508325		20				X					X				X				X					" "
171525	508350	7719450	15				X					X				X				X					" "

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES *Rock Type s=sed d=dol q=qtz			
				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				
171526	508375	7719450	20				X				X				X				X							Sandy loam	
171527	508400		30				X				X						X	X								Minor Q + SILT	
171528	508425		30				X				X			/		/	X	X								✓	
171529	508450		25				X				X			/		/	X	X								✓	
171530	508475		30				X				X						/	X								✓	
171531	508500		30				X				X							X								✓	
171532	508525		35				X				X					X				X							SANDY LOAM
171533	508550		30				X				X							X	X								✓
171534	508575		25				X				X					X			X								✓
171535	508600		30				X				X							X	X								✓
171536	508625		35				X			X							X		X								✓
171537	508650	30				X			X								X	X		/						✓	
171538	508675	35				X			X					/				X								✓	
171539	508700	35				X					X							X								Q + C + Minor L	
171540	Duplicate	171539																								SANDY LOAM + D	
171541	508725		30				X			X							X	X								✓	
171542	508750		30				X			X									X							✓	
171543	508775		30				X				X						/	X	X							✓	
171544	508800		25				X				X					X			X	/							SANDY LOAM
171545	508825		35				X				X					/		X								✓	
171546	508850		30				X				X					X				X							✓
171547	508875		25				X				X					X				X							✓
171548	508900		35				X				X						/	X	X								✓
171549	508925		30				X				X					X					X						Q + MINOR SILT
171550	508950		7719450	40				X				X				X				X							SANDY LOAM

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA

AREA: KURINELLI

DATUM: WGS 84/MGA94

DATE: JULY 2007

TYPE: SOIL

WEIGHT: min 500g

MESH: -2mm

SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						NOTES *Rock Type s=sed d=dol q=qtz			
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)					ROCK*				
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT		OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*
171551	508975	7719450	40				X				X				X			X						SANDY loam
171552	509000		35				X				X				/			X						✓ + SILT
171553	509025		35				X				X							X	X					✓ + Q + D
171554	509050		35				X				X						/	X						✓
171555	509075		20				X				X				X									SANDY loam
171556	509100		35				X				X				X			X						✓
171557	509125		25				X				X				X				/					✓
171558	509150		35				X				X				/		X							✓ + D
171559	509175		35				X				X				X				X					SANDY loam
171560	Duplicate		171559																					
171561	509200			45				X				X				X		/	/					✓
171562	509225	30					X				X						X	X					✓ + D	
171563	509250	35					X				X						/	X					✓	
171564	509275	30					X				X				X				X				✓	
171565	509300	35					X				X				X				X				✓	
171566	509325	30					X				X				X				X				✓	
171567	509350	30					X				X				X			/					✓ + MINOR Q	
171568	509375	30					X				X				X			/					✓	
171569	509400	40					X				X						X	X					✓ + Q + D	
171570	509425	35					X				X				X			/					SANDY loam + MINOR D	
171571	509450	40					X			X					X			/					✓	
171572	509475	30					X				X				/		X						✓ + C + D	
171573	509500	35					X				X						X	/					✓ + D + MINOR Q	
171574	509525	25					X				X				X				/				✓	
171575	509550	7719450		30				X				X			X				X				SANDY loam	

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOIL

AREA: KURINELLI
WEIGHT: min 500g

DATUM: WGS 84/MGA94
MESH: -2mm

DATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE							ROCK*			NOTES *Rock Type s=sed d=dol q=qtz SL = sandy loam.
				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		
171576	509575	7719450	30				X				X			X				X							SANDY loam + MINOR D
171577	509575	7719400	25					X		X				X	X	X	X								Sandy loam w/ ~40% gravel Mostly qtz
171578	509550	1	25				X			X				X			X								SL w/ minor qtz gravel
171579	509525		25				X			X				X			X								SL w/ minor qtz.
171580	Duplicate	171579																							
171581	509500		25					X		X				X		X	X								SL w/ dol @ 25cm w/ minor qtz
171582	509475		20					X		X				X			X								SL w/ ~10% qtz + dol @ 20cm
171583	509450		40				X			X				X				X							SL.
171584	509425		30					X		X				X				X							SL w/ dol @ 30cm.
171585	509400	7719400	30					X		X				X		X									~10% qtz @ surface. dol @ 30cm. minor.
171586	509375		25				X			X				X				X							SL
171587	509350		25				X			X				X				X							SL.
171588	509325		25				X			X				X				X							SL.
171589	509300		30					X		X				X				X							
171590	509275		20				X			X				X			X								SL w/ minor qtz.
171591	509250		30				X			X				X				X							SL
171592	509225		25				X			X				X		X	X								SL w/ qtz + dol @ 30cm.
171593	509200		30				X			X				X			X								Minor qtz, Fe + sst gravel + ~5% qtz at depth
171594	509175		25					X		X				X	X	X	X								~10% gravel.
171595	509150		30				X			X				X				X							w/ dol @ 30cm in SL TT
171596	509125		25				X			X				X	X	X	X								large dol boulders. undulating surface.
171597	509100		35				X			X				X		X	X								dol boulders. dol @ 35cm ~40% TT
171598	509075		30				X			X				X	X	X	X								~40% gravel mostly qtz. minor Fe.
171599	509050	7719400	30					X		X				X	X	X	X								slight undulating surface w/ 20% qtz gravel
171600	Duplicate	171599																							on mounds + 10% in shallow troughs

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

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SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES
				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*	
171601	509025	7719400	25				X					X			X	X	X	X						SANDY loam + qtz + minor pe + sst
171602	509000		20				X					X					X	X						+ minor Qtz + Sst
171603	508975		20				X					X								X				
171604	508950		30				X					X								X				
171605	508925		25				X					X								X				
171606	508900		30				X					X			X					X				" "
171607	508875		25				X		X			X				/	X	X						" " + minor Sst
171608	508850		25				X					X							X					" " + minor Qtz + Sst + Fe
171609	508825		25				X					X			X		X	X						~20% gravel, Mostly qtz in sl
171610	508800		40				X					X			X	X	X	X						~30% gravel in SL at 40cm
171611	508775		30				X			X					X	X	X	X						~40% gravel in SL at 30cm
171612	508750	7719400	20				X			X					X	X	X	X						~60% dol gravel @ 20cm
171613	508725		30				X			X					X	X	X	X						~60% qtz gravel @ 30cm
171614	508700		40				X						X		X	X	X	X		d				d outcrop 4m away weathered d + cal
171615	508675		35						X			X			X	X	X	X		d				d @ 40cm. Qtz + Fe + dol @ surface
171616	508650		30				X			X					X		X			d				d outcrop 5m away, Qtz, Fe + dol @ surface
171617	508625		25				X			X					X	X	X	X		d				dol @ 30cm. weathered
171618	508600		10				X			X					X	X	X	X		d				dol Fe + Qtz @ surface
171619	508575		30				X			X					X	X	X	X						dol outcrop 5m away, dol gravel @ 10cm
171620	Duplicate	171619																						bedrock. Qtz + Fe also at surface
171621	508550		20				X					X			X			X						dol gravel @ 30cm.
171622	508525		20						X			X			X	X		X						Minor qtz.
171623	508500		15						X			X			X	X	X	X						Minor gravel
171624	508475		25				X					X			X	X	X	X						Minor qtz, dol + pe - 30cm dol boulder
171625	508450	7719400	25				X					X			X	X	X	X						~30% gravel in SL.

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES
				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*	
171626	508 425	7719400	20				X					X					X		X	X				SL
171627	508 400		30				X					X				X		X	X	X				Minor gravel in SL
171628	508 375		15				X					X				X				X				SL
171629	508 350		30				X					X				X				X				SL
171630	508 325		30				X					X				X	X	X	X					Qtz, sst + minor pe. ~40% gravel
171631	508 300		35				X					X				X				X				SL
171632	508 275		30				X					X				X				X				SL
171633	508 250		30				X							X		X				X				SL
171634	508 225		30				X					X				X				X				SL
171635	508 200		35				X					X				X				X				SL
171636	508 175		35				X					X				X				X				SL
171637	508 150		30				X					X				X				X				SL
171638	508 125		15				X					X				X				X				SL
171639	508 100		30				X					X				X				X				SL
171640	Duplicate	171639																						
171641	508 075		25				X					X				X				X				SL
171642	508 050		40				X					X				X				X				SL
171643	508 025	7719400	30				X					X								X				SL
171644	508 000	7719400	30				X					X								X				SL
171645	508 000	7719350	30				X					X								X				Sandy loam.
171646	508 025	7719350	20				X					X								X				SL
171647	508 050		30				X					X								X				SL
171648	508 075		35				X					X								X				SL
171649	508 100		30				X					X								X				SL
171650	508 125	7719350	30				X					X								X				SL

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE							NOTES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)					ROCK*			*Rock Type s=sed d=dol q=qtz																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOIL

AREA: KURINELLI
WEIGHT: min 500g

DATUM: WGS 84/MGA94
MESH: -2mm

DATE: JULY 2007
SAMPLER:

[illegible]

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						NOTES				
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)						ROCK*			*Rock Type s=sed d=dol q=qtz	
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*		
171701	509325	7719350	25						X			X				X								SL.	
171702	509350		30						X			X				X		X							Minor gravel in SL.
171703	509375		20						X			X						X	X						" " "
171704	509400		25				X					X						X							SL. w/ very minor qtz @ 25cm.
171705	509425	7719350	20						X			X						X							SL.
171706	509275	7719300	30				X					X						X							dol @ 30cm. in sl
171707	509250		20						X			X				X	X	X	X						~ 30% gravel
171708	509225		25						X			X				X	X	X	X						~ 10% gravel
171709	509200		25						X			X				X			X						~ 20% gravel @ depth dol @ 25cm
171710	509175		20				X					X						X	X	X					~ 40% gravel @ depth dol @ 25cm
171711	509150		20				X					X						X	X	X					~ 40% dol gravel @ 20cm
171712	509125		20				X					X						X	X						~ 30% Qtz + dol gravel @ 20cm
171713	509100		25				X					X				X		X	X		d				~ 80% dol @ depth dol @ surface
171714	509075		25				X					X				X	X	X	X						~ 80% Qtz + minor fc + ss gravel 20% qtz.
171715	509050		30						X			X				X	X	X	X						~ 70% Surface gravel - mostly qtz
171716	509025		20						X			X				X	X	X	X						~ 30% " " "
171717	509000		30						X			X				X	X	X	X						~ 60% " " "
171718	508975		20				X					X				X	X	X	X						" " "
171719	508950		15				X					X				X			X						Roadside. SL w/ minor qtz @ 15cm
171720	Duplicate	171719																							
171721	508925		15				X					X				X			X						Roadside SL w/ ~ 20% Qtz + ss
171722	508900		30				X					X				X			X						SL. w/ minor ss
171723	508875		30		X							X				X			X						SL
171724	508850		35		X							X				X			X						SL.
171725	508825	7719300	30				X					X				X	X		X						SL. Minor gravel.

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE							NOTES		
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)						ROCK*			*Rock Type s=sed d=dol q=qtz
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*	
171726	508800	7719300	20				X					X				X		X	X	X				Minor gravel.
171727	508775		20					X				X				X			X	X				Minor Qtz gravel
171728	508750		30					X				X				X	X	X	X	X				~10% surface gravel. SL w/minor gravel
171729	508725		20				X					X				X	X	X	X					~70% gravel @ 20cm sst + Qtz
171730	508700		20					X				X				X	X	X	X					~60% " " "
171731	508675		35					X				X				X			X					~40% gravel - Qtz, dol @ 35cm.
171732	508650		30					X				X				X	X	X	X					~80% gravel cover (mostly Qtz) dol @ 30cm
171733	508625		25				X			X						X	X	X	X					~20% " " "
171734	508600		25				X			X						X	X	X	X					" " "
171735	508575		25				X			X						X	X	X	X					~80% mixed gravel cover. Same @ 25cm
171736	508550		35					X				X				X			X					~40% gravel @ 35cm Qtz
171737	508525		30					X				X				X		X	X	X				~20% gravel cover Qtz, sst + Fe.
171738	508500		30					X				X				X				X				Roadside.
171739	508475		30					X				X				X				X				Sandy loam.
171740	Duplicate	171739																						
171741	508450		15				X					X				X				X				SL w/sst + Qtz gravel.
171742	508425		25				X					X				X		X	X					Minor gravel @ surface. ~40% @ depth
171743	508400		20				X					X				X		X	X					Sst gravel ~60% w/ ~10% Qtz + <5% Fe.
171744	508375		25					X				X				X				X				Sst + Qtz gravel @ depth
171745	508350		20					X				X				X	X	X	X					~20% gravel @ surface. ~60% @ depth
171746	508325		15				X					X				X		X	X					Roadside ~60% gravel @ depth.
171747	508300		15				X					X				X	X	X	X					~90% gravel @ surface. 60% at depth
171748	508275		30				X					X				X	X	X	X					SL w/ ~20% sst @ depth.
171749	508250		20				X					X				X	X	X	X					~60% sst + Qtz gravel @ depth
171750	508225	7719300	20				X					X				X	X			X				SL w/minor Fe.

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES
				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
171751	508200	7719300	20				X					X			X		X	X						~ 30% gravel (sst + qtz) @ 10cm.
171752	508175		20				X					X			X				X					SL
171753	508150		30						X			X			X				X					SL
171754	508125		20				X					X			X				X					SL
171755	508100		30				X					X			X				X					SL
171756	508075		30				X					X			X				X					SL
171757	508050		50				X					X			X				X					SL
171758	508025		35				X					X			X				X					SL
171759	508000	7719300	45				X					X			X				X					SL
171760	Duplicate	171759																						
171761	508000	7719200	25				X					X			X				X					SL
171762	508025		15				X					X			X				X					SL w/ sst gravel @ 15cm
171763	508050		30				X					X			X				X					SL
171764	508075		10				X					X			X		X	X						Roadside - sst gravel.
171765	508000		20				X					X			X		X	X						" " "
171766	508125		30				X					X			X		X	X						SL w/ sst gravel. dol
171767	508150		25				X					X			X	X	X	X						" " "
171768	508175		25						X			X			X		X	X						Sst gravel w/ minor qtz. snake.
171769	508200		25				X					X			X		X	X						sst gravel ~ 30% @ 25cm.
171770	508225		35				X					X			X				X					SL
171771	508250		30				X					X			X				X					SL w/ minor sst gravel
171772	508275		40				X					X			X		X	X						~ 60% gravel cover. same @ depth.
171773	508300		30				X					X			X		X	X	X					~ 40% gravel cover. same @ depth.
171774	508325		10				X			X					X			X			Q			Huge qtz outcrop. Near Colins hills -
171775	508350	7719200	10				X			X					X			X			Q			" " " related?

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE							NOTES				
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)					ROCK*			*Rock Type s=sed d=dol q=qtz			
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*		SCREE - TYPE*		
171776	508385	7719200	35				X			X					X			X							Qtz gravel ~40%.	
171777	508400		30				X			X					X				X						SL.	
171778	508425		20				X			X					X		X	X							sst, qtz + dol gravel ~30%	
171779	508450		30						X	X					X		X	X	X							Minor gravel.
171780	Duplicate	171779																		d						
171781	508475		30				X			X					X		X	X		d						dol outcrop w/ minor qtz. dol @ 20cm
171782	508500		20				X			X					X		X	X								dol + qtz gravel
171783	508525		40				X			X					X		X	X								dol @ 40cm. dol + qtz gravel @ surface.
171784	508550		30						X	X					X		X	X								dol gravel @ 30cm.
171785	508575		40				X			X					X		X	X		d						outcrop < 2m away
171786	508600		25				X					X			X		X	X								dol + qtz gravel ~50% @ surface
171787	508625		20				X					X			X		X	X		d						dol outcrop < 1m, bedrock @ 20cm. qtz dol
171788	508650		20				X					X			X		X	X								dol boulders. disturbed land. bedrock.
171789	508675		20				X					X			X		X	X		d						dol outcrop < 2m, bedrock @ 20cm.
171790	508700		25				X					X			X		X	X								~30% qtz, sst + dol gravel in SL.
171791	508725		25				X					X			X		X	X								" " " Roadside
171792	508750		30				X					X			X		X	X								Roadside. ~40% sst + qtz gravel.
171793	508775		20				X					X			X		X	X								~70% sst + qtz gravel @ 20cm. sst w/ minor
171794	508800		30				X					X			X		X	X								qtz @ surface.
171795	508825		15				X			X					X		X	X								~40% sst + minor qtz @ surface.
171796	508850		30				X								X		X	X								~60% sst. N-S trending mound. minor qtz
171797	508875		5				X			X					X		X	X								~70% sst " " + minor cal + qtz
171798	508900		30				X			X					X		X	X								S. ~90% sst, cal + qtz. bedrock @ 5cm
171799	508925	7719200	20				X			X					X		X	X	X							~10% sst gravel in SL
171800	Duplicate	171799																								Undulating, PT, disturbed ground

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						NOTES			
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)						ROCK*			*Rock Type s=sed d=dol q=qtz
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*	
171801	508950	7719200	10				✓			×						×		×	×				TT, undulating disturbed land	
171802	508975		15				×			×						×		×	×				disturbed land.	
171803	509000		20				×			×						×			×		Q	Q	Qtz outcrop 3m away.	
171804	509025		10				×			×						×			×		Q	Q	Qtz outcrop 2m away.	
171805	509050		15				×					×				×			×				~20% Qtz gravel - in TT.	
171806	509075		15				×			×						×			×		Q	Q	Qtz outcrop mound	
171807	509000		20				×						×			×			×		Q		Qtz outcrop	
171808	509125		10				×			×						×		×	×				~90% gravel surface cover.	
171809	509150		15				×			×						×		×	×				~50% gravel - Qtz + sst - Cal @ 15cm.	
171810	509175		20						×	×						×	×	×	×				Mostly pisolites + qtz	
171811	509200		20						×	×						×		×	×				Minor gravel in sandy loam	
171812	509225	7719200	20						×	×						×			×			SL		
171813	509225	7719150	20				×			×						×		×			d	dol outcrop < 1m away. weathered dol @ 10cm		
171814	509200		25				×			×						×		×				Qtz + dol gravel. Mostly dol.		
171815	509275		25						×	×						×		×	×			SL.		
171816	509250		20				×					×				×				×		Minor qtz + sst.		
171817	509125		25						×	×						×		×	×			dol outcrop in < 1m.		
171818	509100		20						×	×						×		×	×		d	Qtz + sst gravel ~60% at depth		
171819	509075		20				×						×			×		×	×					
171820	Duplicate		171819																				~80% qtz gravel. Minor sst.	
171821	509050			25				×					×				×		×	×			" " "	
171822	509025		20							×			×				×		×	×			qtz gravel @ 20cm	
171823	509000		20				×						×				×		×	×			Minor gravel @ surface.	
171824	508975	20				×						×				×		×	×			SL		
171825	508950	7719150	30						×	×						×				✓				

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES
				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
171826	508925	7719150	40				X					X				X				X				sl
171827	508900		30				X					X				X		X	X					~60% gravel @ 30cm
171828	508875		30				X					X				X		X	X					Cal. Roadside.
171829	508850		30		X							X				X		X						Cal @ 30cm. Minor sst gravel @ surface
171830	508825		25		X							X				X		X						Cal @ 25cm. ~40% sst gravel @ surface
171831	508800		25		X					X						X		X						" " "
171832	508775		25		X					X						X		X						~40% sst gravel @ 25cm.
171833	508750		20		X							X				X		X		X				Minor sst @ surface
171834	508725		25		X					X						X				X				~20% sst gravel @ 25cm
171835	508700		30				X			5°N						X				X				" " @ 30cm.
171836	508675		30				X					X												" " "
171837	508650		30				X			5°SE						X				X				" " "
171838	508625		30				X					X				X		X	X					dol outcrop close
171839	508600		20				X			5°N						X		X	X					~10% gravel @ surface.
171840	Duplicate	171839																						
171841	508575		25						X	10°N						X		X	X		d			dol gravel + outcrop w/minor qtz.
171842	508550		25						X	15°N						X		X	X		d			" " "
171843	508525		15						X	20°N						X		X	X		d			" " "
171844	508500		20				X			25°N						X		X	X		d			" " "
171845	508475		15				X			45°N						X		X			d			dol outcrop + associated scree
171846	508450		25				X			20°N						X		X	X		d			dol @ 25cm.
171847	508425		30				X			5°NW						X				X				Sandy loam Outcrop ~2m away dol.
171848	508400		20						X	5°W						X	X	X	X					Surface gravel = mix. mostly sst + dol.
171849	508375		25				X					X				X	X	X	X					~20% sst + dol + qtz gravel @ depth.
171850	508350	7719150	25				X			5°N						X		X	X					~10% surface gravel

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES *Rock Type s=sed d=dol q=qtz
				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*	
171851	508325	7719150	15				X			10° N						X	X	X	X					~90% surface gravel, 80% @ depth
171852	508300		20				X					X				X		X	X					~10% surface gravel, 70% @ depth
171853	508275		20				X			X						X		X	X					disturbed ground. Undulating.
171854	508250		30				X			X						X		X	X					" " "
171855	508225		20				X					X				X		X	X					dol @ 20cm
171856	508200		20				X					X				X		X	X					sst gravel ~ 70% @ 20cm.
171857	508175		25						X	5° N						X		X	X					dol @ 25cm
171858	508150		20						X	20° N						X		X	X					~80% sst gravel @ surface depth
171859	508125		30						X	15° N						X				X				~40% sst @ depth
171860	Duplicate	171859																						
171861	508100		30				X			10° N						X		X	X					~40% sst @ depth. Minor qtz @ surface
171862	508075		20				X					X				X		X	X					~40% " " "
171863	508050		20				X					X				X		X	X					" " "
171864	508025		30						X	5° NW						X		X	X					~15% sst in sl @ 30cm
171865	508000		20				X					X				X		X	X					~10% sst in sl @ 20cm
171866	507975		25				X			5° NW						X		X	X					Roadside.
171867	507950		30						X			X				X				X				sl
171868	507925		30				X					X				X		X		X				sl w/ minor sst
171869	507900		15				X					X				X				X				Roadside sl
171870	507875		20				X					X				X				X				sl
171871	507850	7719150	30				X					X				X				X				sl
171872	507850	7719200	30				X					X				X				X				sl
171873	507875		20				X					X				X				X				Roadside sl
171874	507900		30				X					X				X				X				sl
171875	507925	7719200	20				X					X				X				X				sl.

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOIL

AREA: KURINELLI
WEIGHT: min 500g

DATUM: WGS 84/MGA94
MESH: -2mm

DATE: JULY 2007
SAMPLER:

[illegible]

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES *Rock Type s=sed d=dol q=qtz
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)						ROCK*			
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*	
171901	507950	7719550	20				X				X				X		X	X					Minor qtz +sst in SL	
171902	507925		30				X				X				X		X	X					~15% qtz +sst + minor pe.	
171903	507900		20				X				X				X		X	X					~20% qtz +sst gravel w/ minor pe	
171904	507875		20				X				X				X				X				SL.	
171905	507850		20				X				X				X	X	X	X					~20% surface gravel. mostly sst	
171906	507825		20				X				X				X				X				SL.	
171907	507800		30				X				X				X				X				SL w/ ~10% qtz @ 30cm.	
171908	507775		25				X				X				X	X	X	X					Minor ~2% gravel @ surface SL	
171909	507750		25				X				X				X				X				SL	
171910	507725		40				X				X				X				X				SL.	
171911	507700		25				X				X				X				X				SL.	
171912	507675		50				X				X				X				X				SL.	
171913	507650		30				X				X				X		X	X					~40% sst surface gravel.	
171914	507625	20				X				X				X		X	X					~90% surface (sst) gravel w/ minor qtz.		
171915	507600	20				X				X				X		X	X					~60% sst surface gravel w/ minor qtz.		
171916	507575	30				X				X				X		X	X			ssst		~70% sst " " "		
171917	507550	30				X			5°E	X				X		X	X			ssst		~70% sst surface + depth gravel w/ minor		
171918	507525	40				X				X				X		X	X			ssst		" " " " qtz		
171919	507500	35				X			5°W	X				X		X	X			ssst		" " " "		
171920	Duplicate	171919																						
171921	507475		30				X			25°W				X		X	X			ssst		" " "		
171922	507450		25				X				15°NW			X		X	X					~50% surface + depth sst w/ minor		
171923	507425		30				X				15°NW			X		X	X					~50% " " " "		
171924	507400		20				X				5°E			X		X	X					" " " "		
171925	507375	7719550	30				X			20°NE				X		X	X					~60% " " " "		

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES *Rock Type s=sed d=dol q=qtz
				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*	
171926	507350	7719550	40				X			10°N					X		X	X						Undulating surface.
171927	507325		30				X			10°NW					X		X	X						~70% sst @ surface - both - Minor gtz
171928	507300		30				X			10°NW					X		X	X						~30% surface sst, 70% @ depth - minor gtz
171929	507275		30				X					X			X		X	X						" " " "
171930	507250		30				X			25°N					X		X	X						~40% " " " "
171931	507225		30				X							X	X		X	X						~80% " " " "
171932	507200		40				X					X			X		X	X						~70% sst @ depth - minor gtz
171933	507175		25				X					X			X		X	X						~40% sst @ surface w/ minor gtz 60% @ depth
171934	507150		30				X					X			X		X	X						Roadside. ~60% sst gravel @ depth
171935	507125	7719550	30				X					X			X		X	X						Roadside ~40%
171936	507100	7719600	30				X					X			X		X	X						~60% surface sst, + depth - minor gtz
171937	507125		30						X			X			X		X	X						~10% surface sst, in gl
171938	507150		25				X					X			X		X	X						~10% surface gravel. sl @ depth
171939	507175		25				X					X			X				X					" " "
171940	Duplicate	171939																						SL
171941	507200		25				X					X			X				X					SL.
171942	507225		30				X					X			X				X					SL + TT.
171943	507250		40				X					X			X				X					SL + TT.
171944	507275		45						X			X			X				X					SL + TT
171945	507300		45				X					X			X				X					SL + TT.
171946	507325		30				X			10°N					X		X	X						Sst = ~70% surface + depth ~5% gtz
171947	507350		25				X			10°N					X		X	X						~10% surface sst, ~40% @ depth
171948	507375		25				X			10°E					X	X	X	X						~70% surface sst, w/ minor gtz + se. 70% @ depth
171949	507400		25				X			20°E					X	X	X	X						" " "
171950	507425	7719600	30				X			25°E					X	X	X	X						" " "

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE							NOTES		
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)					ROCK*			*Rock Type s=sed d=dol q=qtz	
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*		SCREE - TYPE*
171951	507450	7719600	20				X				X				X		X	X					~ 20% surface sst, ~ 40% @ depth.	
171952	507475		25				X				X				X		X	X					~ 10% gravel	
171953	507500		20				X				X				X		X						~ 20% sst gravel	
171954	507525		20				X				X				X		X						~ 10% gravel	
171955	507550		30				X				X				X				X				SL + TT	
171956	507575		30				X				X				X		X	X					~ 20% gravel @ surface + 40% sst @	
171957	507600		30				X			10°E					X		X	X					depth	
171958	507625		30				X			10°E					X		X	X					~ 60% sst @ depth	
171959	507650		20				X			10°E					X		X	X					~ 50% sst @ surface w/ minor qtz. 60% sst @ depth	
171960	Duplicate		171959																				~ 30% " " " "	
171961	507675		20				X			15°E				X		X	X						~ 30% " " " "	
171962	507700		30		X					20°E				X		X	X						~ 10% surface gravel - 20% sst @ depth	
171963	507725		15		X					30°E				X		X	X						~ 20% " " " " 40% " "	
171964	507750		30				X					X		X	X	X	X						Roadside, TT, ~ 40% sst @ depth.	
171965	507775		20		X							X			X		X	X					" " " "	
171966	507800		20		X							X			X		X	X					" " ~ 20% " " "	
171967	507825		30						X			X			X		X	X					~ 60% surface gravel, 10% @ depth. ~ SL	
171968	507850		20				X					X			X				X				SL	
171969	507875		20				X					X			X		X	X					~ 10% surface gravel 40% sst @ 20cm	
171970	507900		20				X					X			X		X	X					~ 40% surface + 50% sst @ depth	
171971	507925		35				X					X			X				X				SL	
171972	507950		20				X					X			X				X				SL	
171973	507975		7719600	30				X				X			X		X	X					Minor gravel @ surface + depth.	
171974	507975		7719800	20				X				X			X		X	X					~ 15% gravel @ surface + depth	
171975	507950		7719800	20				X			5°E				X	X	X	X					~ 90% surface gravel, + @ depth. Mostly sst	

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA

AREA: KURINELLI

DATUM: WGS 84/MGA94

DATE: JULY 2007

TYPE: SOIL

WEIGHT: min 500g

MESH: -2mm

SAMPLER:

[illegible]

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES *Rock Type s=sed d=dol q=qtz
				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*	
172001	507350	7719800	25				X			10° E					X		X	X						~ 20% gravel mostly sst
172002	507325		20				X			15° NW					X		X	X						~ 20% gravel mostly sst
172003	507300		20				X			25° W					X		X	X						~ 20% gravel @ depth
172004	507275		20				X			10° E					X					X				SL
172005	507250		35				X			10° N					X					X				SL
172006	507225		20	X							X				X					X				SL
172007	507200		10				X			40° E					X		X				st	st		Bedrock @ 10cm sst
172008	507175		20				X				X				X		X		X					Minor gravel. Bedrock @ 20cm
172009	507150		20				X			10° E					X		X	X						Minor qtz. ~ 80% sst
172010	507125		20				X			25° E					X	X	X	X						~ 60% sst @ surface
172011	507100		30				X			20° E					X	X	X	X						" " "
172012	507075		30				X				X				X	X	X	X						~ 80% gravel @ surface
172013	507050	7719800	20				X				X				X	X	X	X						~ 40% gravel
172014	507050	7719850	15				X			10° E					X	X	X	X						~ 20% gravel
172015	507075		30				X			10° E					X	X	X	X						Minor gravel
172016	507000		20				X			10° E					X		X	X						~ 40% gravel mostly sst
172017	507125		15				X			10° E					X		X	X						~ 70% gravel mostly sst
172018	507150		20				X			25° E					X		X	X						" " "
172019	507175		40				X			5° E					X		X	X	X					Minor gravel in SL
172020	Duplicate	172019																						
172021	507200		20	X						15° E					X		X	X			st	st		Outcrop < 2m away ~ 90% sst scree. Bedrock @ 20cm
172022	507225		20				X			35° E					X		X	X						~ 90% sst scree. Minor qtz
172023	507250		30	X							X				X				X					SL
172024	507275		30				X				X				X				X					SL in TT
172025	507300	7719850	10				X				X				X				X					SL in TT

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES *Rock Type s=sed d=dol q=qtz
				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*	
172026	507325	7719850	20				X			25° NW						X		X	X					~ 20% gravel @ depth
172027	507350		30				X			15° NE						X		X	X					~ 80% sst gravel @ depth
172028	507375		25				X			10° NW						X		X	X					~ 80% sst gravel w/ minor qtz
172029	507400		20				X			15° E						X		X	X					Mostly sst. ~ 60% gravel
172030	507425		25				X			5° E						X		X	X					Minor surface gravel ~ 20% @ depth
172031	507450		25				X			5° E						X		X	X					~ 70% gravel mostly sst
172032	507475		25				X			5° N						X		X	X					" " "
172033	507500		20				X			5° E						X		X	X	X				Minor gravel
172034	507525		35				X			5° NE						X		X	X					~ 40% gravel mostly sst
172035	507550		25				X			5° E						X		X	X					~ 20% " " "
172036	507575		20				X			15° NE						X		X	X					~ 40% gravel mostly sst
172037	507600		30				X			15° NE						X		X	X					" " "
172038	507625		25				X			15° NE						X		X	X					" " "
172039	507650		20				X			5° NE						X		X	'					Minor sst @ surface. 40% @ depth
172040	Duplicate	172039					X																	
172041	507675		20				X			20° E						X		X		X				Minor sst
172042	507700		30						X	15° E						X				X				SL w/ minor sst gravel
172043	507725		20				X			20° E						X		X						~ 20% sst gravel
172044	507750		15				X			20° E						X		X						~ " " "
172045	507775		20				X			10° E						X		X		X				~ 40% sst gravel @ 20cm
172046	507800		20				X			15° E						X		X	X					~ 20% gravel
172047	507825		20				X			5° E						X				X				SL w/ minor sst
172048	507850		30				X			5° E						X		X	X					~ 50% gravel mostly sst
172049	507875		10				X					X				X		X	X					" " "
172050	507900	7719850	25				X					X				X				X				SL

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE							ROCK*			NOTES *Rock Type s=sed d=dol q=qtz
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)						ROCK*				
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*		
172051	507925	7719850	30				X				X				X		X	X						Minor gravel in SL.	
172052	507950		30				X				X				X		X	X						" "	
172053	507975	7719850	30				X				X				X		X	X						20% gravel mostly sst in SL	
172054	508150	7720050	30				X				X				X		X	X						~10% surface gravel + ~20% @ depth	
172055	508175		30				X				X				X		X							~10% sst @ 30cm. Minor @ surface	
172056	508200		20				X				X				X		X							"@20cm"	
172057	508225		20				X				X				X		X	X						~20% sst + qtz @ surface	
172058	508250		30					X			X				X		X	X						" "	
172059	508275		25				X				X				X		X	X						" "	* SL w/ ~10% sst + qtz @ 25cm.
172060	Duplicate		172059																						
172061	508300			25				X				X				X		X	X						~30% sst @ 25cm.
172062	508325			30					X			X				X		X	X						~50% sst + 10% qtz @ surface.
172063	508350			15				X				X				X		X	X						~10% sst + qtz @ surface - + depth
172064	508375			45				X				X				X				X					SL w/ minor sst @ 45cm.
172065	508400	25					X				X				X				X					SL	
172066	508425	30					X				X				X		X	X	X						SL w/ ~10% sst
172067	508450	25					X				X				X		X	X							<10% sst + qtz. Mostly sst @ 25cm.
172068	508475	20					X				X				X		X	X							" " " @ 20cm
172069	508500	30					X				X				X		X	X							~40% sst + minor qtz @ surface
172070	508525	30					X				X				X		X	X							Minor qtz + sst @ surface
172071	508550	40				X				X				X		X	X							~20% sst + qtz @ surface.	
172072	508575	40				X				X				X		X	X							~40% surface sst + qtz. <10% @ 40cm	
172073	508600	30				X				X				X		X	X							~15% " " " @ 30cm	
172074	508625	20				X				X				X		X	X							~40% sst @ 20cm. ~30% qtz + sst @ surface	
172075	508650	7720050	20				X			X				X		X	X							Minor gravel @ surface.	

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOIL

AREA: KURINELLI
WEIGHT: min 500g

DATUM: WGS 84/MGA94
MESH: -2mm

DATE: JULY 2007
SAMPLER:

[illegible]

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						NOTES		
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)						ROCK*		
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*
172101	508475	7720100	25				X					X				X		X	X				
172102	508450		25				X					X				X				X			
172103	508425		20				X					X				X		X	X	X			
172104	508400		20				X					X				X				X			
172105	508375		20				X					X				X		X		X			
172106	508350		20				X					X				X	X	X	X				
172107	508325		25				X					X				X				X			
172108	508300		10				X					X				X	X	X	X				
172109	508275		20				X					X				X	X	X	X	X			
172110	508250		25				X					X				X	X	X	X				
172111	508225		20				X					X				X		X	X				
172112	508200		20				X					X				X		X	X				
172113	508175	7720100	20				X					X				X		X	X				
172114	508150	7720100	20				X					X				X		X	X				
172115	508100	7720150	30						X			X				X				X			
172116	508125		20				X					X				X				X			
172117	508150		20				X					X				X				X			
172118	508175		20						X			X				X	X	X	X				
172119	508200		10				X					X				X	X	X	X				
172120	Duplicate	172119																					
172121	508225		20				X					X				X		X	X				
172122	508250		25						X			X				X				X			
172123	508275		25				X					X				X	X	X	X				
172124	508300		20				X					X				X				X			
172125	508325	7720150	25				X					X				X	X	X	X				

*Rock Type s=sed d=dol q=qtz

SL w/ minor sst.

Minor surface sst + qtz.

SL

Minor sst.

~80% sst @ surface.

SL

~80% surface gravel. Mod' sst

Minor surface gravel. sst @ depth

~30% gravel - surface + depth.

~10% surface gravel

~40% surface gravel. Mod' sst

Minor surface gravel.

Roadside. Minor surface gravel

Minor qtz + sst @ depth

~20% sst @ 20cm

Roadside. SL

~50% surface gravel. ~30% @ depth

Minor surface gravel.

SL w/ minor sst.

~15% surface gravel. mostly sst

Minor gravel @ 20cm

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE							NOTES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)					ROCK*		*Rock Type s=sed d=dol q=qtz																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE							NOTES			
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)					ROCK*			*Rock Type s=sed d=dol q=qtz		
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*		
172151	508625	7719100	35				/					/				/									SAND STONE GRAVELS
172152	508600	↓	15				4					/				/									✓ ✓ ROCK IN HOLE
172153	508575		20				✓						/				/								✓ ✓ GRAVELS
172154	508550		15				/						/						X						SAND LOAN
172155	508525		20				/						/				/		/						✓ ✓
172156	508500		25				/						/						/	/					✓ ✓
172157	508475		30				/						/				X								SAND STONE GRAVEL
172158	508450		30				/						/				X								✓ ✓ ✓
172159	508425		30				/						/				X								SAND STONE BEDROCK
172160	Duplicate	172159	✓				/					/				X								✓ ✓ ✓	
172161	508400	7719100	35				/					/				X								SAND LOAN	
172162	508375	↓	30				/					/				X					①			✓ ✓ Small Dol outcrop	
172163	508350		25				/					/							/	/				✓ STONE & GRAVELS	
172164	508325		25				/					/							/	/				✓ ✓ ✓ ✓	
172165	508300		15				/					/							/	/				✓ ✓ ✓ ✓	
172166	508275		✓				/					/							X						SAND STONE in hole GRAVELS
172167	508250		10				/					/				/			X						✓ ✓ ✓ ✓
172168	508225		10				/					/				/			X						✓ ✓ ✓ ✓
172169	508200		15				/					/				/			/						SAND LOAN
172170	508175		20				/					/				/			/						SAND STONE GRAVELS
172171	508150		25				/					/							X						✓ ✓ ✓
172172	508125		25				/					/							X	/					SAND LOAN
172173	508100		20				/					/							X	/					SAND STONE GRAVELS
172174	508075		20				/					/							X						✓ ✓ ✓
172175	508050		20				/					/							X						✓ ✓ ✓

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES *Rock Type s=sed d=dol q=qtz
				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*	
172176	508025	7719100	25				/					/					X							SAND STONE GRAVEL
172177	508000	↓	20				/					/					X					D		POSSIBLE ROCK
172178	507975		30				/					/				X								SAND LOAM
172179	507950		35				/					/				X								SAND STONE GRAVEL
172180	Duplicate	172179	✓				/					/				X								✓ ✓ ✓
172181	507925	7719100	25				/					/				/			/					✓ ✓ ✓
172182	507900	↓	20				/					/				/			/					✓ ✓ ✓
172183	507875		30				/					/				X								✓ ✓ ✓
172184	507850		30				/					/				X								SAND LOAM
172185	507975	7719300	35				/					/				X								✓ ✓
172186	507950	↓	30				/					/				X								✓ ✓
172187	507925		35				/					/				X								✓ ✓
172188	507900		30				/					/				X								✓ ✓
172189	507875		35				/					/				X								✓ ✓
172190	507850		30				/					/				X								✓ ✓
172191	507825		25				/					/				X								✓ ✓
172192	507800		30				/					/				X								✓ ✓
172193	507775		35				/					/				X								✓ ✓
172194	507750		20				/					/				/		/						SAND STONE GRAVEL
172195	507725		25				/					/				/		/						✓ ✓ ✓
172196	507700		30				/					/				X								SAND LOAM
172197	507675		40				/					/				X								✓ ✓
172198	507650		30				/					/				/		/						SAND STONE GRAVEL
172199	507625		30				/					/				/		/						✓ ✓ ✓
172200	Duplicate	172199	30				/					/				/		/						✓ ✓ ✓

DATE: JULY 2007
SAMPLER:

✓✓, silt

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES
				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*	
172251	507500	7719400	35				X					X			X		X	/						Sandy loam, s, g, l
172252	507475		30				X					X			X		X	/						✓ ✓ ✓ ✓ ✓
172253	507450		30				X					X			X		X	/						✓ ✓ ✓ ✓ ✓
172254	507425		35				X					X			X		X	/						✓ ✓ ✓ ✓ ✓
172255	507400		35				X					X			X		X	/						✓ ✓ ✓ ✓ ✓
172256	507375		35				X					X			X									✓ ✓ ✓ ✓ ✓
172257	507350	7719400	30				X					X			X									✓ ✓ ✓ ✓ ✓
172258	507150	7719450	35				X					X			X		/							Sandy loam, s, minor g
172259	507175		35				X					X			X									✓ ✓ ✓ ✓ ✓ minor g
172260	Duplicate	172259																						
172261	507200		35				X					X			X		/							✓ ✓ ✓ ✓ ✓ minor g
172262	507225		35				X					X			X		X	/						✓ ✓ ✓ ✓ ✓
172263	507250		30				X					X			X		X	/						✓ ✓ ✓ ✓ ✓
172264	507275		30				X					X			X		/	/						✓ ✓ ✓ ✓ ✓
172265	507300		35				X					X			X		/	/						Sandy loam, s, minor g
172266	507325		35				X					X			X		/							✓ ✓ ✓ ✓ ✓
172267	507350		30				X					X			X									✓ ✓ ✓ ✓ ✓
172268	507375		35				X					X			X									✓ ✓ ✓ ✓ ✓
172269	507400		35				X					X			X		X	/						✓ ✓ ✓ ✓ ✓
172270	507425		35				X					X			X		/	/						✓ ✓ ✓ ✓ ✓ minor g
172271	507450		30				X					X			X		/	/						✓ ✓ ✓ ✓ ✓
172272	507475		35				X					X			X		/							✓ ✓ ✓ ✓ ✓
172273	507500		35				X					X			X		/							✓ ✓ ✓ ✓ ✓
172274	507525		30				X					X			X									✓ ✓ ✓ ✓ ✓
172275	507550	7719450	30				X					X			X		X	/						✓ ✓ ✓ ✓ ✓

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						NOTES		
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)					ROCK*			*Rock Type s=sed d=dol q=qtz S-silt
172276	507575	7719450	35				X					X			X		/	/	/				Sandy loam, S, g
172277	507600		35				X					X			X		/	/	/				✓ ✓ ✓
172278	507625		35				X					X			X		/	/	/				✓ ✓ ✓
172279	507650		35				X					X			X				/				✓ ✓
172280	Duplicate	172279	30				X					X			X								✓ ✓
172281	507675		30				X					X			X								✓ ✓
172282	507700		30				X					X			X								✓ ✓
172283	507725		30				X					X			X								✓ ✓
172284	507750		30				X					X			X								✓ ✓, silt, minor g
172285	507775		30				X					X			X								✓ ✓, silt
172286	507800		30				X					X			X								✓ ✓, silt
172287	507825		30				X					X			X		/	/					✓ ✓, silt, minor g
172288	507850		30				X					X			X								✓ ✓, minor silt
172289	507875		30				X					X			X								✓ ✓, minor silt
172290	507900		35				X					X			X								✓ ✓
172291	507925		35				X					X			X								✓ ✓
172292	507950		35				X					X			X								✓ ✓
172293	507975	7719450	35				X					X			X								✓ ✓
172294	507975	7719650	20				X					X					X	/					SAND STONE GRAVELS
172295	507950		20				X					X			/		/						✓ ✓
172296	507925		25				X					X			X								SAND LOAM
172297	507900		30				X					X			X		/						SAND STONE GRAVELS
172298	507875		25				X					X			/		/						✓ ✓
172299	507850		20				X					X					X						✓ ✓
172300	Duplicate	172299	20				X					X					X						✓ ✓

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOIL

AREA: KURINELLI
WEIGHT: min 500g

DATUM: WGS 84/MGA94
MESH: -2mm

DATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						NOTES *Rock Type s=sed d=dol q=qtz		
															SOIL (Cross-maj tick-min)					ROCK*			
				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*
172301	507825	7719650	20				X						X									SAND STONE GRAVELS	
172302	507800	↓	30				X						X									SAND LENTH	
172303	507775		35				X						X									✓ ✓	
172304	507750		30				X						X									✓ ✓	
172305	507725		25				X						X		/							SAND STONE GRAVELS	
172306	507700		30				X						X									✓ ✓ ✓	
172307	507675		30				X						X									✓ ✓ ✓	
172308	507650		25				X						X		/							✓ ✓ ✓	
172309	507625		25				X						X		/							✓ ✓ ✓	
172310	507600		25				X						X		/							✓ ✓ ✓	
172311	507575		20				X									X						✓ ✓ ✓	
172312	507550	20				X									X						✓ ✓ ✓		
172313	507525	20				X									X						✓ ✓ ✓		
172314	507500	30				X							X								✓ ✓ ✓		
172315	507475	35				X							X		/							SAND LENTH	
172316	507450	20				X							X									✓ ✓	
172317	507425	20				X									X							SAND STONE GRAVELS	
172318	507400	↓	25				X								X							✓ ✓ ✓	
172319	507375	↓	30				X						X									SAND LENTH	
172320	Duplicate	172319	30				X						X									✓ ✓	
172321	507350	7719650	30				X						X									✓ ✓	
172322	507325	↓	30				X						X									✓ ✓	
172323	507300	↓	30				X						X									✓ ✓	
172324	507275	↓	30				X						X									✓ ✓	
172325	507250	↓	25				X						X			X						SAND STONE GRAVELS	

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA

AREA: KURINELLI

DATUM: WGS 84/MGA94

DATE: JULY 2007

TYPE: SOIL

WEIGHT: min 500g

MESH: -2mm

SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES
				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*	
172326	507225	779650	30				X					X			/		/							SAND LOAM
172327	507200		30				X					X					X							SAND STONE GRAVELS
172328	507175		30				X					X			/		/							✓ ✓ ✓
172329	507150		35				X					X			/		/							✓ ✓ ✓
172330	507125		40				X					X					X							✓ ✓ ✓
172331	507100		25				X					X			/		X							✓ ✓ ✓
172332	507075		20				X					X					X							✓ ✓ ✓
172333	507050		30				X					X			/		X							✓ ✓ ✓
172334	507050	7719760	30		X							X			X									SAND LOAM
172335	507075		35		X							X			X									✓ ✓
172336	507100		25				X					X			X									✓ ✓
172337	507125		25				X					X			X									✓ ✓
172338	507150		20				X					X			X									SAND STONE GRAVELS
172339	507175		15				X					X					X							✓ ✓ ✓
172340	Duplicate	172339	25				X					X					X							✓ ✓ ✓
172341	507200	7719700	25				X					X					X							✓ ✓ ✓
172342	507225		30				X					X					X							✓ ✓ ✓
172343	507250		30				X					X					X							✓ ✓ ✓
172344	507275		30				X					X					X							✓ ✓ ✓
172345	507300		30				X					X				X								SAND LOAM
172346	507325		25				X					X				X								✓ ✓
172347	507350		20				X					X				X								✓ ✓
172348	507375		20				X					X					X							SAND STONE GRAVELS
172349	507400		15				X					X					X							✓ ✓ ✓
172350	507425		25				X					X					X							✓ ✓ ✓

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

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SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES *Rock Type s=sed d=dol q=qtz		
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)						ROCK*					
															LATERITE	WINDBLOWN SAND	GRAVEL DOM PISOLITES	GRAVEL DOM LITHIC	GRAVEL DOM QUARTZ	SMOOTH SAND/SILT	OUTCROP - TYPE*	SUBCROP - TYPE*	SCREE - TYPE*			
172351	507450	7719700	30				X				X				X										SANDSTONE GRAVELS	
172352	507475	↓	20				X				X				X											SAND LOAM
172353	507500		25				X				X							X								SAND STONE GRAVELS
172354	507525		30				X				X				/		X								✓ ✓ ✓	
172355	507550		25				X				X				X										✓ ✓ ✓	
172356	507575		30				X				X				X											SAND LOAM
172357	507600		35				X				X				X											✓ ✓
172358	507625		35				X				X				X											✓ ✓
172359	507650		30				X				X				X											✓ ✓
172360	Duplicate		172359	30				X			X				X											✓ ✓
172361	507675		7719700	30				X			X				X											✓ ✓
172362	507700	↓	25				X				X						X								SANDSTONE GRAVELS in HOLE	
172363	507725		25				X				X						X								✓ ✓ ✓	
172364	507750		25				X				X						X								✓ ✓ ✓	
172365	507775		25				X				X						X								✓ ✓ ✓	
172366	507800		30				X				X				X											SAND LOAM
172367	507825		25				X				X				X											✓
172368	507850		25				X				X						X									SAND STONE GRAVELS
172369	507875		35				X				X						X									✓ ✓
172370	507900		40				X				X						X									✓ ✓
172371	507925		45				X				X						/									SANDY LOAM
172372	507950	30				X				X						X									sandstone gravel	
172373	507975	25				X				X						X									✓ ✓	
172374	507975	7719900	35				X			X					/		/								SANDY LOAM, minor silt	
172375	507950	↓	30				X			X					/		/								✓ ✓ ✓	

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA

TYPE: SOIL

AREA: KURINELLI

WEIGHT: min 500g

DATUM: WGS 84/MGA94

MESH: -2mm

DATE: JULY 2007

SAMPLER: YEAL

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ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE							ROCK*			NOTES *Rock Type s=sed d=dol q=qtz		
				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*				
172401	507350	7719900	30				X				X			X				X								Sandy loam	
172402	507325	400-Duplicate	30				X				X			X				X								✓	
172403	507300		30				X					X			X				X								✓
172404	507275		25				X					X			X				X								✓
172405	507250		40				X					X			X				X								✓
172406	507225		30				X					X			X			X	X	X							✓
172407	507200		35				X					X			X			X	X	X							✓
172408	507175		30				X					X			X			X	X	X							✓
172409	507150		30				X					X			X			X	X	X							✓
172410	507125		25				X					X			X			X	X	X							✓
172411	507100		7719900	30				X				X			X			X	X	X							✓
172412	507400	771950	30				X				X							X								✓	
172413	507425	400-Duplicate	25				X				X							X								SANDY SAND GRAVELS IN HOLE	
172414	507450		20				X					X						X									✓
172415	507475		20				X					X						X									✓
172416	507500		20				X					X						X									✓
172417	507525		20				X					X						X									✓
172418	507550		20				X					X						X									✓
172419	507575		20				X					X						X									✓
172420	Duplicate		172419	20				X				X						X									✓
172421	507600		400-Duplicate	20				X				X						X									✓
172422	507625			25				X					X						X								
172423	507650	10					X					X						X									✓
172424	507675	15					X					X						X									✓
172425	507700	15					X					X						X									✓

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES *Rock Type s=sed d=dol q=qtz L-LAT P-Ps
				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*	
172426	507725	7719950	15				X					X					X		/					SANDSTONE GRAVELS
172427	507730		20				X					X					/		/					SANDSTONE GRAVELS
172428	507775		25				X					X							X					SAND LOAM
172429	507800		30				X					X							X					SAND LOAM
172430	507825		15				X					X					/		/					SANDSTONE GRAVELS
172431	507850		15				X					X					/		/					SANDSTONE GRAVELS
172432	507875		15				X					X					X							SANDSTONE GRAVELS
172433	507900		25				X					X							X					SAND LOAM
172434	507925		20				X					X					X	/						SANDSTONE GRAVELS
172435	507950		25				X					X					/		/					SANDSTONE GRAVELS
172436	507975	7719950	30				X					X							X					SAND LOAM
172437	508000	7720300	30				X					X				X			X					Sand loam, minor silt and q
172438	508025		30				X					X				X	X	/	X					✓ ✓, silt, q, L
172439	508050		25				X					X				X	X	/	X					✓ ✓, silt, q, L
172440	Duplicate	172439																						
172441	508075	7720300	30				X					X				X	/	/	X					✓ ✓
172442	508100		30				X					X				X	/		X					✓ ✓
172443	508125		25				X					X				X	/	/	X					✓ ✓, silt, q
172444	508150		30				X					X				X	/	/	X					✓ ✓, P
172445	508175		25				X					X				X	/	/	X					✓ ✓, silt, minor q
172446	508200		30				X					X				X	/	/	X					✓ ✓, silt, L
172447	508225		25				X					X				X			X					✓ ✓, P, L
172448	508250		25				X					X				X	X	/						✓ ✓, P, L
172449	508275		25				X					X				X	X	/						✓ ✓, silt, P, L
172450	508300		30				X					X				X	X	/						✓ ✓, silt

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES *Rock Type s=sed d=dol q=qtz P-P15
				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*	
172451	508325	7720300	35				X					X			X		X							Sandy loam, minor q, silt
172452	508350		30				X					X			X	X	X							✓ ✓ ✓ ✓
172453	508375		25				X					X			X									✓ ✓ ✓ silt
172454	508400		25				X					X			X		/							✓ ✓ ✓ silt, P
172455	508425		25				X					X			X									✓ ✓ ✓ silt, P
172456	508450		25				X					X			X									✓ ✓ ✓ lat
172457	508475		25				X					X			X		/							✓ ✓ ✓
172458	508500		25				X					X			X									✓ ✓ ✓ minor silt
172459	508525		30				X					X			X	X	/							✓ ✓ ✓
172460	Duplicate	172459													X	X	/	/						✓ ✓ ✓
172461	508550	7720300	25				X					X			X		/							✓ ✓ ✓
172462	508575		30				X					X			X		X							✓ ✓ ✓ IP
172463	508600		25				X					X			X		/							✓ ✓ ✓ minor q
172464	508625		25				X					X			X		/							✓ ✓ ✓ P15
172465	508650		25				X					X			X		/							✓ ✓ ✓
172466	508675		25				X					X			X		/							✓ ✓ ✓
172467	508700		25				X					X			X		X							✓ ✓ ✓
172468	508725		25				X					X			X		/							✓ ✓ ✓
172469	508750		25				X					X			X		X	/						✓ ✓ ✓
172470	508775		25				X					X			X		X							✓ ✓ ✓
172471	508775	7720250	25				X					X			X		/							✓ ✓ ✓
172472	508725		25				X					X			X		/							Sandy loam, silt, q
172473	508775		25				X					X			X		/							✓ ✓ ✓
172474	508625		25				X					X			X		/							✓ ✓ ✓
172475	508575		25				X					X			X		/							Sandy loam

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DATE: JULY 2007

SAMPLER:

[illegible]

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES *Rock Type s=sed d=dol q=qtz
				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*	
172501	508300	7720350	30				X					X				X								Sandy loam, minor silt + q
172502	508325		30				X					X			/	X		/	/					✓ ✓ ✓ ✓ ✓
172503	508350		25				X					X			/	X		/	/					✓ ✓ ✓ ✓ ✓
172504	508375		30				X					X				X		/	/					✓ ✓ ✓ ✓ ✓
172505	508400		25				X					X				X								✓ ✓, minor silt
172506	508425		25				X					X				X		/	/					✓ ✓, silt
172507	508450		30				X					X				X								✓ ✓, ✓
172508	508475		30				X					X				X		/						✓ ✓, minor silt, q
172509	508500		30				X					X			/	X		/	/					Sand loam, silt, q
172510	508525		25				X					X				X								✓ ✓, minor silt, q
172511	508550		25				X					X			/	X		/	/					✓ ✓ ✓ ✓ ✓
172512	508575		30				X					X				X								✓ ✓, minor silt
172513	508600		25				X					X				X								✓ ✓, ✓, minor q
172514	508625		25				X					X				X								✓ ✓, ✓, ✓
172515	508550	7720400	30				X					X				X								✓ ✓, silt, q
172516	508525		30				X					X				X		/	/					✓ ✓, silt, minor q
172517	508500		25				X					X				X								✓ ✓, minor silt, ✓
172518	508475		30				X					X				X								✓ ✓, minor silt + q
172519	508450		25				X					X				X		/	/					✓ ✓ ✓ ✓, minor q
172520	Duplicate	172519																						
172521	508425	7720400	30				X					X				X								✓ ✓, silt, q
172522	508400		30				X					X				X								✓ ✓, ✓
172523	508375		30				X					X				X								✓ ✓, ✓
172524	508350		30				X					X				X								✓ ✓, silt
172525	508325		25				X					X				X		/	/					✓ ✓, minor silt + q

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						NOTES		
				GREY BROWN	LIGHT BROWN	YELLOW BROWN	TAN	ORANGE BROWN	RED BROWN	SLOPE	PLATEAU	FLAT	HILLTOP	GULLY	SOIL (Cross-maj tick-min)			ROCK*			*Rock Type s=sed d=dol q=qtz S-silt		
172526	508300	7720400	30				X					X			X		/				Sandy loam, S, q		
172527	508275		25				X					X			X		/				✓ ✓ ✓		
172528	508250		30				X					X			X		/				✓ ✓ ✓ minor q		
172529	508225		30				X					X			X						✓ ✓		
172530	508200		30				X					X			X		X				✓ ✓ ✓ S, q		
172531	508175		30				X					X			X		/				✓ ✓ ✓ S, q		
172532	508150		25				X					X			X						✓ ✓ ✓ minor S		
172533	508125		25				X					X			X		/				✓ ✓ ✓		
172534	508100		25				X					X			X						✓ ✓ ✓		
172535	508075		25				X					X			X						✓ ✓		
172536	508050		25				X					X			X		/				✓ ✓ ✓		
172537	508025		35				X					X			X		/				✓ ✓ ✓ minor q		
172538	508000		30				X					X			X		/				✓ ✓ ✓		
172539	507975	7720400	35				X					X			X						✓ ✓ ✓		
172540	Duplicate	172539																					
172541	507925	7720450	20						X			X			X		X				dark chocolate brown. SL w/ minor sst @ 20cm		
172542	507950		25						X			X			X		X				SL w/ ~ 10% sst. surface = 20% gravel		
172543	507975		15				X					X			X	X	X				SL w/ ~ 25% sst + qtz. surface = 30% gravel		
172544	508000		20				X					X			X	X	X				Minor surface gravel. ~ 10% @ depth		
172545	508025		25				X					X			X	X	X				~ 20% surface gravel. sst @ depth		
172546	508050		20				X					X			X	X	X				sst @ 20cm. ~ 30% surface gravel		
172547	508075		20				X					X			X						~ 10% surface sst same @ depth		
172548	508100		30				X					X			X						Minor sst in SL		
172549	508125		20				X					X			X		X				Roadside SL w/ sst.		
172550	508150	7720450	20				X					X			X		X				SL w/ ~ 25% sst		

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES *Rock Type s=sed d=dol q=qtz
				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*	
172551	508350	7720150	20				X					X			X		X	X						~10% sst, 5% Qtz in SL - @ surface
172552	508375		20				X					X			X		X	X						<5% sst + qtz in SL
172553	508400		20						X			X			X		X	X						~10% sst + qtz surface gravel
172554	508425		20				X					X			X		X	X						SL.
172555	508450		20						X			X			X		X		X					Minor sst
172556	508475		15				X					X					X	X	X					Minor sst + qtz
172557	508500		20				X					X			X				X					SL.
172558	508525		20				X					X			X		X							<5% sst -
172559	508550		20				X					X			X		X	X	X					<5% sst + qtz in SL
172560	Duplicate	172559																						
172561	508575		30				X					X			X				X					Spinifer SL w/ ~10% sst @ 30cm
172562	508600		30				X					X			X				X					SL w/ ~10% sst @ 30cm.
172563	508625		20				X					X			X		X	X						~10% sst + minor qtz @ surface
172564	508650		25				X					X			X	X	X	X						~20% surface gravel
172565	508675		25				X					X			X		X	X						SL.
172566	508700		30				X					X			X		X	X						<5% sst @ surface.
172567	508725		10				X					X			X		X	X						~20% sst
172568	508750		20				X					X			X		X	X						~40% surface gravel. sst @ 20cm
172569	508775		20				X					X			X	X	X	X						~10% surface gravel sst @ 20cm
172570	508800	7720150	25				X					X			X				X					~20% sst @ 25cm.
172571	508800	7720200	20				X					X			X				X					~30% sst @ 20cm.
172572	508775		10				X					X			X		X		X					Minor sst @ surface. 20% @ depth.
172573	508750		20				X					X			X		X							~10% surface gravel. 25% @ depth.
172574	508725		20				X					X			X	X	X	X						~80% surface gravel 20% @ depth.
172575	508700	7720200	20				X					X			X				X					SL w/ minor sst + qtz.

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOIL

AREA: KURINELLI
WEIGHT: min 500g

DATUM: WGS 84/MGA94
MESH: -2mm

DATE: JULY 2007
SAMPLER:

[illegible]

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOILAREA: KURINELLI
WEIGHT: min 500gDATUM: WGS 84/MGA94
MESH: -2mmDATE: JULY 2007
SAMPLER:

SAMPLE	EAST	NORTH	DEPTH cm	COLOUR (X)						TOPOGRAPHY (X)					SURFACE						ROCK*			NOTES
				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
172601	508100	7720200	20				X					X				X		X	X					~20% surface gravel. sst @ 20cm.
172602	508075		20				X					X				X		X	X					" " "
172603	508050		20				X					X				X		X	X					SL w/sst
172604	508025		20				X					X				X		X	X					SL w/~40% sst
172605	508000	7720200	20				X					X				X		X	X					" " "
172606	508175	7720450	30				X					X				X	X	X	X					~10% surface gravel mostly sst
172607	508200		25				X					X				X	X	X	X					~70% " " "
172608	508225		25				X					X				X	X	X	X					~30% " " "
172609	508250		20				X					X				X	X	X	X					~40% " " "
172610	508275		20				X					X				X	X	X	X					~20% surface gravel = sst + fe.
172611	508300		30				X					X				X		X						Minor qtz surface gravel
172612	508325		20				X					X				X	X	X	X					Mostly sst. ~70% surface gravel
172613	508350		30				X					X				X	X	X	X					~40% surface gravel same @ depth
172614	508375		25				X					X				X	X	X	X					~8% surface gravel. Mostly sst.
172615	508400		25				X					X				X	X	X	X					sst @ 25cm + qtz
172616	508425		25				X					X				X		X	X					sst + qtz @ 25cm
172617	508450		30				X					X				X		X	X					sst + qtz in SL @ 30cm
172618	508475		20				X					X				X	X	X	X					Minor sst + qtz in SL
172619	508500		30				X					X				X		X	X					" " "
172620	Duplicate	172619																						
172621	508525		20				X					X				X	X	X	X					~40% surface gravel
172622	508550	7720450	25				X					X				X		X	X					sst + qtz @ 25cm.
172623	508550	7720500	30				X					X				X		X	X					sst @ 30cm.
172624	508525		20				X					X				X		X	X					sst (minor) in SL @ 20cm
172625	508475	7720500	30				X					X				X		X	X					~20% sst @ 30cm

ARNHEM EXPLORATION & RURAL SERVICES

CLIENT: ARAFURA
TYPE: SOIL

AREA: KURINELLI
WEIGHT: min 500g

DATUM: WGS 84/MGA94
MESH: -2mm

DATE: JULY 2007
SAMPLER:

[illegible]