

# Appendix 4. Drill Geology\_ 2006

Hole ID	dFrom m	dTo m	Mass kg	% Recovery	Radiation cps	Background cps	
Scintillometer Type			Scintillometer Make		"% Aeolian sand, sandy loam"		
% Oxidised sandy clay"	% Mottled sandy clay	% Granite	% Nodular calcrete	% Calcrete	% Sand unit	% Sandy clay	
% Basal sand	% Reduced		Wet/Dry	Comment	% Clay	Secondary U	
Oxidised/Reduced						Carbon	
nwe573	0.0	1.0	1.8	13	100	100	Total count gamma
SRAT	80	20					
red-brn	20						
nwe573	1.0	2.0	6	45	100	100	Total count gamma
SRAT			100				
red-brn	20						
nwe573	2.0	3.0	5	37	100	100	Total count gamma
SRAT			100				
crm	30						
nwe573	3.0	4.0	6.5	49	100	100	Total count gamma
SRAT					100		
gry-grn	70						
nwe573	4.0	5.0	6	45	120	100	Total count gamma
SRAT					100		
gry-grn	70				w		
nwe573	5.0	6.0	5.2	39	180	100	Total count gamma
SRAT					100		
gry-grn	70				w		
nwe573	6.0	7.0	6.5	49	140	100	Total count gamma
SRAT					50		50
gry-grn	70				w		
nwe573	7.0	8.0	5.4	40	100	100	Total count gamma
SRAT							100
gry-grn	70				w		
nwe574	0.0	1.0	0.5	4	100	135	Total count gamma
SRAT	100						
red-brn	15						
nwe574	1.0	2.0	4	30	100		Total count gamma
SRAT			40	60			
crm-wht	40						
nwe574	2.0	3.0	5.8	43	100		Total count gamma
SRAT			40	60			
crm-wht	40						
nwe574	3.0	4.0	5.5	41	100		Total count gamma
SRAT					100		
crm-wht	70						
nwe574	4.0	5.0	5.8	43	350		Total count gamma
SRAT					100		
gry-grn	80						
nwe574	5.0	6.0	5.4	40	140		Total count gamma
SRAT					100		
gry-grn	80						
nwe574	6.0	7.0	4.1	31	120		Total count gamma
SRAT					100		
gry-grn	80						
nwe574	7.0	8.0	4.4	33	110		Total count gamma
SRAT					100		
gry-grn	80				w		
nwe574	8.0	9.0	4.2	31	110		Total count gamma
SRAT					100		
gry-grn	80				w		
nwe574	9.0	10.0	5.2	39	140		Total count gamma
SRAT							100
red-brn	70				w		
nwe575	0.0	1.0	1.4	10	100	100	Total count gamma
SRAT	100						
red-brn	15						
nwe575	1.0	2.0	3.6	27	100	100	Total count gamma
SRAT			70	30			
crm	40						
nwe575	2.0	3.0	3.4	25	100	100	Total count gamma
SRAT			70	30			

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crm	40						
nwe575	3.0	4.0	3.4	25	100	100	Total count gamma
SRAT			10		90		
gry-grn	60						
nwe575	4.0	5.0	3	22	100	100	Total count gamma
SRAT					100		
gry-grn	70						
nwe575	5.0	6.0	4.5	34	150	100	Total count gamma
SRAT					100		
gry-grn	80						
nwe575	6.0	7.0	3.8	28	140	100	Total count gamma
SRAT					100		
gry-grn	80				w		
nwe575	7.0	8.0	6	45	100	100	Total count gamma
SRAT					100		
gry-grn	80						
nwe575	8.0	9.0	5	37	110	100	Total count gamma
SRAT					100		
gry-grn	80						
nwe575	9.0	10.0	4.8	36	100	100	Total count gamma
SRAT							100
red-brn	70						
nwe576	0.0	1.0	0.9	7	100	100	Total count gamma
SRAT							
red-brn	15						
nwe576	1.0	2.0	2.4	18	100	100	Total count gamma
SRAT			70	30			
crm	40						
nwe576	2.0	3.0	3.5	26	100	100	Total count gamma
SRAT			70	30			
crm	40						
nwe576	3.0	4.0	3.5	26	120	100	Total count gamma
SRAT			10		90		
gry-grn	60						
nwe576	4.0	5.0	5.4	40	145	100	Total count gamma
SRAT			10		90		
gry-grn	65						
nwe576	5.0	6.0	5.6	42	155	100	Total count gamma
SRAT					100		
gry-grn	75						
nwe576	6.0	7.0	7.4	55	150	100	Total count gamma
SRAT					100		
gry-grn	80						
nwe576	7.0	8.0	5.8	43	110	100	Total count gamma
SRAT					100		
gry-grn	80						
nwe576	8.0	9.0	2.5	19	100	100	Total count gamma
SRAT					80		20
gry-grn	80						
nwe576	9.0	10.0	2.8	21	100	100	Total count gamma
SRAT							100
red-brn	70						
nwe577	0.0	1.0	1.6	12	100	100	Total count gamma
SRAT							
red-brn	30						
nwe577	1.0	2.0	3.2	24	100	100	Total count gamma
SRAT		40		60			
brn-wht	30						
nwe577	2.0	3.0	2.8	21	100	100	Total count gamma
SRAT					85	15	
crm	40						
nwe577	3.0	4.0	3.6	27	100	100	Total count gamma
SRAT					100		
brn	50						
nwe577	4.0	5.0	1.3	10	100	100	Total count gamma
SRAT					100		
crm	70						
nwe577	5.0	6.0	0.8	6	100	100	Total count gamma

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SRAT lt brn 70				50	50		
nwe577 6.0	7.0	4.2	31	150	100	Total count gamma	
SRAT blk-gry 80		10		100			
nwe577 7.0	8.0	4.3	32	100	100	Total count gamma	
SRAT grn-brn 80				100			
nwe577 8.0	9.0	6.2	46	100	100	Total count gamma	
SRAT red-brn 80				100			
nwe578 0.0	1.0	0.7	5	100	100	Total count gamma	
SRAT red-brn 25		75					
nwe578 1.0	2.0	2.8	21	100	100	Total count gamma	
SRAT lt-brn 20		60		40			
nwe578 2.0	3.0	3.6	27	100	100	Total count gamma	
SRAT gry-brn 45				100			
nwe578 3.0	4.0	5.5	41	160	100	Total count gamma	
SRAT gry-brn 45				100			
nwe578 4.0	5.0	6.6	49	185	100	Total count gamma	
SRAT grn-gry 40				100			
nwe578 5.0	6.0	6.5	49	135	100	Total count gamma	
SRAT grn-gry 40		tr		100			
nwe578 6.0	7.0	5.6	42	115	100	Total count gamma	
SRAT grn-gry 70				100			
nwe578 7.0	8.0	2.5	19	100	100	Total count gamma	
SRAT grn-gry 70				100			
nwe578 8.0	9.0	6.4	48	100	100	Total count gamma	
SRAT grn-gry 80				100			
nwe578 9.0	10.0	2.9	22	100	100	Total count gamma	
SRAT red-brn 45				100			100
nwe579 0.0	1.0	1.5	11	100	100	Total count gamma	
SRAT brn 70		30					
nwe579 1.0	2.0	2.2	16	100	100	Total count gamma	
SRAT brn 60		40					
nwe579 2.0	3.0	4.6	34	100	100	Total count gamma	
SRAT grn-brn 45		30	30	40			
NP001 0	0.5	180		70	65	Total count gamma	
SRAT 98		2					
50			Ox	Dry			
NP001 0.5	1	160		70	70	Total count gamma	

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SRAT	70	100	3	Ox	Dry		
NP001 SRAT	1	1.5 100	170 3	Ox	70 Dry	60	Total count gamma
NP001 SRAT	1.5	2		Ox	Dry		Total count gamma
NP001 SRAT	2	2.5 100	140 3	Ox	80 Dry	50	Total count gamma
NP001 SRAT	2.5	3 60	130	40 Ox	300 Dry	45 40	Total count gamma
NP001 SRAT	3	3.5	230	100 Ox	1400 Dry	100	Total count gamma
NP001 SRAT	3.5	4	180	100 Ox	1600 Dry	40 100	Total count gamma
NP001 SRAT	4	4.5	100		600		Total count gamma 100
NP001 SRAT	4.5	5	210	Re	700 Dry		Total count gamma 100
NP001 SRAT	5	5.5	240	Re	800 Wet	60	Total count gamma 100
NP001 SRAT	5.5	6	150	Re	500 Wet	50	Total count gamma 100
NP001 SRAT	6	6.5	240	Re	400 Wet	50	Total count gamma 100
NP001 SRAT	6.5	7	230	Re	350 Wet	50	Total count gamma 50 50
NP001 SRAT	7	7.5	250	Re	800 Wet	55	Total count gamma 80
NP001 SRAT	7.5	8	100	Re	200 Wet	50	Total count gamma 100
NP001 SRAT	8	8.5	558	Ox	180 Wet	50	Total count gamma 100
NP002 SRAT	0 50 50	1 50	330 10	Ox	70 Dry	70	Total count gamma
NP002	1	1.5	130		70	70	Total count gamma

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SRAT	10	15					
	70			Ox	Dry		
NP002	1.5	2	170		80	75	Total count gamma
SRAT		100	15				
	70			Ox	Dry		
NP002	2	2.5	230		100	75	Total count gamma
SRAT		100	15				
	70			Ox	Dry		
NP002	2.5	3	230		90	80	Total count gamma
SRAT		100		20		20	
	60			Ox	Dry		
NP002	3	3.5	280		140	75	Total count gamma
SRAT		100		15		15	
	60			Ox	Dry		
NP002	3.5	4	190		950	85	Total count gamma
SRAT		100					
				Ox	Dry		
NP002	4	4.5	170		1100	90	Total count gamma
SRAT		100					
				Ox	Damp		
NP002	4.5	5	190		1600		Total count gamma
SRAT		Y				100	
				Ox	Damp		
NP002	5	5.5	210		1200		Total count gamma
SRAT						100	
	70			Ox	Damp		
NP002	5.5	6	70		900	90	Total count gamma
SRAT						100	
				Ox	Wet		
NP002	6	6.5	290				Total count gamma
SRAT						15	85
	70			Ox	Wet		
NP002	6.5	7	400		1600	100	Total count gamma
SRAT			Y			70	30
	20			Re	Wet		
NP002	7	7.5	400		250	100	Total count gamma
SRAT		100					
	90			Ox	Wet		
NP002	7.5	8	280		200	80	Total count gamma
SRAT		100					
	90			Ox	Wet		
NP003	0	1	130		90	75	Total count gamma
SRAT		50	10				
	60			Ox	Dry		
NP003	1	1.5	90		90	75	Total count gamma
SRAT		100	20				
	70			Ox	Dry		
NP003	1.5	2	140		160	75	Total count gamma
SRAT		60					
	60			Ox	Dry		
NP003	2	2.5	560		250	80	Total count gamma

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SRAT	40	50		Ox	Dry	40	
NP003 SRAT	2.5	3	210		270	80	Total count gamma
	40	50		Ox	Dry	50	Rubbly caving calcrete
NP003 SRAT	3	3.5	170		280	80	Total count gamma
	70	100		Ox	Dry	50	
NP003 SRAT	3.5	4	330		320	85	Total count gamma
	80	100		Ox	Dry		
NP003 SRAT	4	4.5	270		250	90	Total count gamma
	60			Ox	Dry		
NP003 SRAT	4.5	5	320		300	85	Total count gamma
	60			Ox	Damp	10	90
NP003 SRAT	5	5.5	230		320	80	Total count gamma
	60			Ox	Wet	10	90
NP003 SRAT	5.5	6	120		410	80	Total count gamma
	60			Ox	Wet		100
NP003 SRAT	6	6.5	100		500	80	Total count gamma
	60			Ox	Wet		100
NP003 SRAT	6.5	7	260		520	80	Total count gamma
	60			Ox	Wet		100
NP003 SRAT	7	7.4	280		190	80	Total count gamma
	80	100		Ox	Wet		100
NP004 SRAT	0	0.5	330		85	80	Total count gamma
	50	50	5	Ox	Dry		
NP004 SRAT	0.5	1	300		100		Total count gamma
		100	10	Ox	Dry		
NP004 SRAT	1	1.5	180		120	80	Total count gamma
		70	30	Ox	Dry		
NP004 SRAT	1.5	2	170		9		Total count gamma
				Ox	Dry		
NP004 SRAT	2	2.5	490		260		Total count gamma
		100		Ox	Dry		"Lost depth, Hole swelling"
NP004 SRAT	2.5	3	460		270		Total count gamma
		100		Ox	Dry		Excess sample pollution
NP004	3	3.5	290		320		Total count gamma

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SRAT		100					
				Ox	Dry		
NP004 SRAT	3.5	4 100	270		290	90	Total count gamma
				Ox	Dry		
NP004 SRAT	4	4.5	220		260		Total count gamma 100
				Ox	Dry		
NP004 SRAT	4.5	5	230		400		Total count gamma 100
				Ox	Dry		
NP004 SRAT	5	5.5	360		350		Total count gamma 100
				Ox	Dry		
NP004 SRAT	5.5	6	300		200	85	Total count gamma 100
				Ox	Dry		
NP004 SRAT	6	6.5	410		700		Total count gamma 100
			Y	Re	Dry		
NP004 SRAT	6.5	7	120		250		Total count gamma 100
				Ox	Dry		
NP004 SRAT	7	7.5	170		150	85	Total count gamma 100
				Ox	Dry		
NP004 SRAT	7.5	8 100	170		100	85	Total count gamma
				Ox	Dry		
NP005 SRAT	0 50	1 50	360		110	90	Total count gamma
				Ox	Dry		
NP005 SRAT	1	1.5 100	200		120		Total count gamma
				Ox	Dry		
NP005 SRAT	1.5	2 100	240 20		150		Total count gamma
				Ox	Dry		
NP005 SRAT	2	2.5 100	330 20		170	90	Total count gamma
				Ox	Dry		
NP005 SRAT	2.5	3 100	290 10		160		Total count gamma
				Ox	Dry		
NP005 SRAT	3	3.5	400		430	90 70	Total count gamma 30
	25			Ox	Dry		
NP005 SRAT	3.5	4 100	240		200		Total count gamma
				Ox	Dry		
NP005	4	4.5	280		250		Total count gamma

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SRAT							100
			Y	Ox	Dry		
NP005 SRAT	4.5	5	320		320	5	Total count gamma 95
			Y	Ox	Dry		
NP005 SRAT	5	5.5	300		180		Total count gamma 100
			Y	Ox	Wet		
NP005 SRAT	5.5	6	520		240	85	Total count gamma 100
	90		Y	Re	Wet		Dense Clay (carb.)
NP005 SRAT	6	6.5	430		520	95	Total count gamma 100
	80		Y	Re	Wet		Dense Clay (carb.)
NP005 SRAT	6.5	7 100	350		250	100	Total count gamma
				Ox	Wet		
NP006 SRAT	0 50	1 50	290 15		100	90	Total count gamma
				Ox	Dry		
NP006 SRAT	1	1.5 50	160 50		160		Total count gamma
				Ox	Dry		Rubbly silc/calcr (caving?)
NP006 SRAT	1.5	2 50	270 50		250	80	Total count gamma
				Ox	Dry		Rubbly silc/calcrete
NP006 SRAT	2	2.5 30	490 70		220	90	Total count gamma
				Ox	Dry		Hard grinding (silcrete)
NP006 SRAT	2.5	3 70	490 30		220		Total count gamma
				Ox	Dry	2 runs	
NP006 SRAT	3	3.5 90	390 10		190		Total count gamma
				Ox	Dry		
NP006 SRAT	3.5 100	4	600		600		Total count gamma
				Ox	Dry	2 runs	
NP006 SRAT	4 75	4.5	400		370		Total count gamma 30
			Y	Ox	Wet		
NP006 SRAT	4.5	5	260		180	80	Total count gamma 50
			Y	Re	Wet		
NP006 SRAT	5	5.5	180		150		Total count gamma 100
	90		Y	Re	Wet		
NP006 SRAT	5.5	6	500		500		Total count gamma 100
	90		Y	Re	Wet		
NP006	6	6.5	460		250		Total count gamma



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SRAT	90		Y	Re	Wet	100	
NP006 SRAT	6.5	7 100	320		150		Total count gamma
	90			Ox	Wet		
NP006 SRAT	7	7.5 100	180		200		Total count gamma
				Ox	Wet		
NP007 SRAT	0	1	400		100	80	Total count gamma
				Ox	Dry		
NP007 SRAT	1	1.5 100	230		180	85	Total count gamma
				Ox	Dry		
NP007 SRAT	1.5	2 100	280 15		140		Total count gamma
				Ox	Dry		
NP007 SRAT	2	2.5 100	300		180	90	Total count gamma
				Ox	Dry		
NP007 SRAT	2.5	3 50 Y	300 50		700	90	Total count gamma
				Ox	Dry		Grinding on silcrete
NP007 SRAT	3	3.5 90	290 10		670		Total count gamma
				Ox	Dry		
NP007 SRAT	3.5	4	370		360	90	Total count gamma 100
				Re	Dry		
NP007 SRAT	4	4.5	410		780		Total count gamma 100
			Y	Re	Dry		
NP007 SRAT	4.5	5	490		400	90	Total count gamma 100
			Y	Re	Wet		
NP007 SRAT	5	5.4 Y	330 Y		1200	100	Total count gamma 100
				Re	Wet		Abundant 2nd U
NP007 SRAT	5.4	6.2	910		300		Total count gamma 100
				Ox	Wet		
NP007 SRAT	6	6.5 100	530		400		Total count gamma
				Ox	Wet		
NP008 SRAT	0	1 100	370 10		100	90	Total count gamma
				Ox	Dry		
NP008 SRAT	1	1.5 100	220		120	90	Total count gamma
				Ox	Dry		
NP008	1.5	2	190		120		Total count gamma

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SRAT		100					
				Ox	Dry		
NP008 SRAT	2	2.5 100	200 20		200	90	Total count gamma
				Ox	Dry		
NP008 SRAT	2.5	3 100	240		100		Total count gamma
				Ox	Dry		
NP008 SRAT	3	3.5 100	290		120	90	Total count gamma
				Ox	Dry		
NP008 SRAT	3.5	4 100	160		900	90	Total count gamma
				Ox	Dry		
NP008 SRAT	4	4.5 100	250		800	90	Total count gamma
				Ox	Dry		
NP008 SRAT	4.5	5 100	450		200		Total count gamma
				Ox	Wet		
NP008 SRAT	5	5.5	230		240		Total count gamma 100
				Ox	Wet		
NP008 SRAT	5.5	6	350		300	100	Total count gamma 100
				Ox	Wet		
NP008 SRAT	6	6.5	270		300		Total count gamma 100
				Ox	Wet		
NP008 SRAT	6.5	7 100	530		520	100	Total count gamma
	70			Ox	Wet		
NP008 SRAT	7	7.7 100	540		280		Total count gamma
	70			Ox	Wet		
NP008 SRAT	7.7	8.7 100	240		150	100	Total count gamma
	70			Ox	Wet		
NP008 SRAT	8.7	9.3 100	410		170	100	Total count gamma
	70			Ox	Wet		
NP008 SRAT	9.3	9.8 100	630		150	100	Total count gamma
				Ox	Wet		
NP009 SRAT	0 15	1 100	420 30		110	90	Total count gamma
				Ox	Dry		
NP009 SRAT	1	1.5 100	200 20		110	90	Total count gamma
				Ox	Dry		
NP009	1.5	2	310		160		Total count gamma

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SRAT		100	30	Ox	Dry		
NP009 SRAT	2	2.5 100	270 20	Ox	Dry	160	80 Total count gamma
NP009 SRAT	2.5	3 100	410 10	Ox	Dry	320	90 Total count gamma
NP009 SRAT	3	3.5 100	370 4	Ox	Dry		2 runs cavings? Total count gamma
NP009 SRAT	3.5	4 100	330	Ox	Dry	290	80 Total count gamma
NP009 SRAT	4	4.5	370	Ox	Dry	290	Total count gamma 30 70
NP009 SRAT	4.5	5	420	Ox	Wet	500	Total count gamma 100
NP009 SRAT	5	5.5 Y	260 Y	Ox	Wet	800	90 Total count gamma 30 70
NP009 SRAT	5.5	6 100	260	Ox	Wet	580	85 Total count gamma
NP009 SRAT	6	6.8 50 Y	420	Ox	Wet	1200	95 Total count gamma 50
NP009 SRAT	6.8	7.8 100	420	Ox	Wet	280	95 Total count gamma
NP009 SRAT	7.8	8.4 100	260	Ox	Wet	250	Total count gamma
NP009 SRAT	8.4	8.8 100	260	Ox	Wet	200	80 Total count gamma
NP009 SRAT	8.8	9.7 100	390	Ox	Wet	180	80 Total count gamma
NP010 SRAT	0 20	1 80	420 5	Ox	Dry	90	80 Total count gamma
NP010 SRAT	1	1.5 100	190 10	Ox	Dry	120	Total count gamma
NP010 SRAT	1.5	2 100	260 30	Ox	Dry	120	85 Total count gamma
NP010	2	2.5	280			100	90 Total count gamma

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SRAT	100	20	Ox	Dry			
NP010 SRAT	2.5	3	220	115		Total count gamma	
	60	100	5	Ox	Dry		
NP010 SRAT	3	3.5	480	90	90	Total count gamma	
	60	100		Ox	Damp		
NP010 SRAT	3.5	4	270	105	90	Total count gamma	
	50	100		Ox	Damp		
NP010 SRAT	4	4.5	280	250	80	Total count gamma	
	60	100		Ox	Damp		
NP010 SRAT	4.5	5	450	1100	85	Total count gamma	
	50	Y	Y	Ox	Wet	100	
NP010 SRAT	5	5.5	240	2200	95	Total count gamma	
		Y		Ox	Wet	Abundant 2nd U	100
NP010 SRAT	5.5	6	290	800	90	Total count gamma	
		Y	Y	Ox	Wet	100	
NP010 SRAT	6	7.2	400	600	80	Total count gamma	
		100		Ox	Wet		
NP010 SRAT	7.2	7.6	260	320	90	Total count gamma	
		100		Ox	Wet		
NP010 SRAT	7.6	8.2	250	260		Total count gamma	
		100		Ox	Wet		
NP010 SRAT	8.2	8.9	260	200	90	Total count gamma	
		100		Ox	Wet		
NP010 SRAT	8.9	10.1	440	160		Total count gamma	
		100		Ox	Wet		
NP011 SRAT	0	1	250	90	75	Total count gamma	
	20	80	25	Ox	Dry		
NP011 SRAT	1	1.5	110	80	75	Total count gamma	
		100	20	Ox	Dry		
NP011 SRAT	1.5	2	150	85	75	Total count gamma	
		100	20	Ox	Dry	silcrete rubble	
NP011 SRAT	2	2.5	250	80	75	Total count gamma	
		100	15	Ox	Dry	grinding (over recovered?)	
NP011	2.5	3	280	85	65	Total count gamma	

# Appendix 4. Drill Geology\_ 2006

SRAT		100	10	Ox	Dry	over recovered?	
NP011 SRAT	3	3.5 100	520	Ox	Dry	over recovered?	Total count gamma
NP011 SRAT	3.5	4 100	260	Ox	Dry		Total count gamma
NP011 SRAT	4	4.5 100	320	Ox	Dry		Total count gamma
NP011 SRAT	4.5	5 100 Y	350	Ox	Dry		Total count gamma
NP011 SRAT	5	5.5	330	Ox	Wet	20	Total count gamma 80
NP011 SRAT	5.5	6	390	Ox	Wet		Total count gamma 100
NP011 SRAT	6	6.5	260	Ox	Wet		Total count gamma 100
NP011 SRAT	6.5	7	270	Ox	Wet		Total count gamma 100
NP011 SRAT	7	7.5 100	250	Ox	Wet		Total count gamma
NP011 SRAT	7.5	8.8 100	260	Ox	Wet		Total count gamma
NP011 SRAT	8.8	9.5 100	240	Ox	Wet		Total count gamma
NP012 SRAT	0 20	1 80	250 5	Ox	Dry	85	Total count gamma 80
NP012 SRAT	1 70	1.5 100	220 15	Ox	Dry	100	Total count gamma 80
NP012 SRAT	1.5 70	2 100	220 25	Ox	Dry	170	Total count gamma
NP012 SRAT	2 70	2.5 100	270 25	Ox	Dry	160	Total count gamma 80
NP012 SRAT	2.5 60	3 100	230 10	Ox	Dry	160	Total count gamma 80
NP012	3	3.5	270			100	Total count gamma 80

# Appendix 4. Drill Geology\_ 2006

SRAT	40			5 Ox	Dry	60 mostly sand	
NP012 SRAT	3.5	4	250	10 Ox	140		Total count gamma
	40				Damp	60 mostly sand	
NP012 SRAT	4	4.5 65	260	15 Ox	350	80	Total count gamma
	60				Damp	20	
NP012 SRAT	4.5	5	330		600	80	Total count gamma
	80			Ox	Damp	100	
NP012 SRAT	5	5.5	310		500	80	Total count gamma
	80			Ox	Damp	100	
NP012 SRAT	5.5	6	190		210	80	Total count gamma
	90			Ox	Wet	100	
NP012 SRAT	6	7	430		600		Total count gamma
	90			Ox	wet	100	
NP012 SRAT	7	7.6 100	290		570	85	Total count gamma
	70			Ox	Wet		
NP012 SRAT	7.6	7.9 100	210		280	80	Total count gamma
	70			Ox	Wet		
NP012 SRAT	7.9	8.5	290		470	90	Total count gamma
	80			Ox	wet	2 runs	
NP012 SRAT	8.5	9	170		180	80	Total count gamma
	80			Ox	Wet		
NP012 SRAT	9	9.9	230		150		Total count gamma
	80			Ox	Wet		
NP013 SRAT	0 20 70	1 80	190 20		90	80	Total count gamma
				Ox	Dry		
NP013 SRAT	1	1.5 100	150 20		90	75	Total count gamma
	70			Ox	Dry		
NP013 SRAT	1.5	2 100	180 30		100	80	Total count gamma
	50			Ox	Dry	Rubbly silcrete	
NP013 SRAT	2	2.5 100	180 30		100		Total count gamma
	50			Ox	Dry		
NP013 SRAT	2.5	3 100	460 15		300	90	Total count gamma
	70			Ox	Dry	"Over recovered, rubbly	
NP013 SRAT	3	3.5	220		240	80	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	50	80	5	Ox	Dry	5	20	
NP013 SRAT	3.5	4	320		280	80	Total count gamma	
	50	80		Ox	Dry		20	
NP013 SRAT	4	4.5	180		160	80	Total count gamma	
	50	80		Ox	Damp		20	
NP013 SRAT	4.5	5	260		120	80	Total count gamma	
	70	100		Ox	Damp			
NP013 SRAT	5	5.5	150		100	80	Total count gamma	
	70			Ox	Wet		100	
NP013 SRAT	5.5	6	330		90	75	Total count gamma	
	70			Ox	Wet		100	
NP013 SRAT	6	6.5	270		1000	80	Total count gamma	
	80		Y	Re	Wet		100	
NP013 SRAT	6.5	7	200		420	80	Total count gamma	
	80			Ox	Wet	2 runs	100	
NP013 SRAT	7	7.7	300		240	80	Total count gamma	
	100			Ox	Wet			
NP013 SRAT	7.7	8.1	250		160	80	Total count gamma	
	100			Ox	Wet			
NP013 SRAT	8.1	9.1	250		110	75	Total count gamma	
	100			Ox	Wet			
NP013 SRAT	9.1	9.7	190		100	75	Total count gamma	
	100			Ox	Wet			
NP013 SRAT	9.7	10.5	320		100	75	Total count gamma	
	100			Ox	Wet			
NP014 SRAT	0	1	240		80	80	Total count gamma	
	20			Ox	Dry			
NP014 SRAT	1	1.5	190		70	70	Total count gamma	
	100	25		Ox	Dry			
NP014 SRAT	1.5	2	260		80	75	Total count gamma	
	50	100	30	Ox	Dry			
NP014 SRAT	2	2.5	200		80	75	Total count gamma	
	50	80	20	Ox	Dry	Tr Green		
NP014	2.5	3	410		100	80	Total count gamma	

# Appendix 4. Drill Geology\_ 2006

SRAT	70	90	10	Ox	Dry	10	
NP014 SRAT	3	3.5	270		140	80	Total count gamma
	80	100 Y		Ox	Dry		
NP014 SRAT	3.5	4	270		110	80	Total count gamma
	80	100 Y		Ox	Dry		
NP014 SRAT	4	4.5	230		150	90	Total count gamma
	25	30 Y		2 Ox	wet	2	70
NP014 SRAT	4.5	4.9	200		120		Total count gamma
	30	30		Ox	wet		70
NP014 SRAT	4.9	5.3	170		400	90	Total count gamma
	55			Ox	wet		20 80
NP014 SRAT	5.3	5.9	330		430	95	Total count gamma
	75			Ox	wet		100
NP014 SRAT	5.9	6.6	450		500	90	Total count gamma
	65			Ox	wet	2 runs	100
NP014 SRAT	6.6	7.3	260		250	95	Total count gamma
	60	80		Ox	wet		20
NP014 SRAT	7.3	7.8	290		150	90	Total count gamma
	60	100		Ox	wet		dense clay
NP014 SRAT	7.8	8.7	240		170	90	Total count gamma
	20			Ox	wet		100 clayey sand (basal)
NP014 SRAT	8.7	9.2	320		100	90	Total count gamma
	25			Ox	wet		100 clayey sand
NP014 SRAT	9.2	9.7	320		110	90	Total count gamma
	35			Ox	wet		100 "clayey sand, rounded qz grit
(fall down or reworked basement?)"							
NP015 SRAT	0	1	190		65	65	Total count gamma
	20	80	15				
				Ox	Dry		
NP015 SRAT	1	1.5	150		75	70	Total count gamma
		100	20				
				Ox	Dry		
NP015 SRAT	1.5	2	200		70	70	Total count gamma
	50	100	35				
				Ox	Dry		
NP015 SRAT	2	2.5	390		75	70	Total count gamma
	50	100	20				
				Ox	Dry	2 runs	
NP015	2.5	3	170		110		Total count gamma



# Appendix 4. Drill Geology\_ 2006

SRAT	100						
	60			Ox	Dry		
NP015	3	3.5	280		125	70	Total count gamma
SRAT	60	90		10		10	
				Ox	Damp		
NP015	3.5	4	350		750	80	Total count gamma
SRAT	50	90		15		15	
		Y		Ox	Damp		
NP015	4	4.5	300		600	75	Total count gamma
SRAT	30	20				70	
		Y		Ox	Damp		
NP015	4.5	5	300		860	80	Total count gamma
SRAT	40	Y				60	40
				Ox	Wet		
NP015	5	5.5	370		470		Total count gamma
SRAT	70	100					
				Ox	Wet		
NP015	5.5	6	230		300	80	Total count gamma
SRAT	70	100					
				Ox	Wet		
NP015	6	6.5	400		300		Total count gamma
SRAT	80	100					
				Ox	Wet	2 runs	
NP015	6.5	7.5	370		150	80	Total count gamma
SRAT	80	100					
				Ox	Wet	mottled colour RB	5
NP015	7.5	8	340		240	75	Total count gamma
SRAT	80	100					
				Ox	Wet		
NP015	8	9.3	420		150	80	Total count gamma
SRAT	80	100					
				Ox	Wet		
NP015	9.3	10.1	340		100	70	Total count gamma
SRAT	80	100					
				Ox	Wet		
NP016	0	1	130		75	75	Total count gamma
SRAT	20	80	15				
				Ox	Dry		
NP016	1	1.5	160		85	80	Total count gamma
SRAT		100	20				
				Ox	Dry		
NP016	1.5	2	130		80	75	Total count gamma
SRAT		100	20				
				Ox	Dry		
NP016	2	2.5	110		90	75	Total count gamma
SRAT		100					
				Ox	Dry		
NP016	2.5	3	290		90		Total count gamma
SRAT	40	85				15	
				Ox	Dry		
NP016	3	3.5	180		85	80	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	40			Ox	Dry	50	50	
NP016 SRAT	3.5	4	250		140	75	Total count gamma	
	40	50		Ox	Dry		50	
NP016 SRAT	4	4.5	290		110	75	Total count gamma	
	40	50		Ox	Dry		50	
NP016 SRAT	4.5	5	290		150	75	Total count gamma	
	25			Ox	Wet		80	20
NP016 SRAT	5	5.5	300		110	75	Total count gamma	
	65	80		Ox	Wet		20	
NP016 SRAT	5.5	6.2	450		250	80	Total count gamma	
	70	100		Ox	Wet			
NP016 SRAT	6.2	6.5	280		110	75	Total count gamma	
	60	100		Ox	Wet		sticky mottled clay (dense)	
NP016 SRAT	6.5	6.7	290		360	75	Total count gamma	
	80	100		Ox	Wet			
NP016 SRAT	6.7	7.2	350		200	75	Total count gamma	
	80	100		Ox	Damp		moist only	
NP016 SRAT	7.2	7.9	430		130	75	Total count gamma	
	80	100		Ox	Damp			
NP016 SRAT	7.9	8.5	310		100	75	Total count gamma	
	80	100		Ox	Damp			
NP016 SRAT	8.5	8.9	210		100	75	Total count gamma	
	80	100		Ox	Damp			
NP016 SRAT	8.9	10.2	360		115	80	Total count gamma	
	100			Ox	Damp			
NP017 SRAT	0	1	230		70	70	Total count gamma	
	20	80	15	Ox	Dry			
NP017 SRAT	1	1.5	150		75	70	Total count gamma	
	60	100	20	Ox	Dry			
NP017 SRAT	1.5	2	140		75	70	Total count gamma	
	60	100	20	Ox	Dry			
NP017 SRAT	2	2.5	350		70	70	Total count gamma	
	60	100	30	Ox	Dry		(2 runs) caving?	
NP017	2.5	3	260		70	70	Total count gamma	

# Appendix 4. Drill Geology\_ 2006

SRAT	70	100	5	5	Dry	5	minor LtGr
NP017	3	3.5	240	5	80	70	Total count gamma
SRAT	50	100		5	Dry	5	clayey sand
NP017	3.5	4	300	5	500	75	Total count gamma
SRAT	50	100		5	Dry	5	clayey sand
NP017	4	4.5	380	25	700	80	Total count gamma
SRAT	50	75		25	Dry	25	
NP017	4.5	4.9	220	10	500	80	Total count gamma
SRAT	70	90		10	Wet	10	
NP017	4.9	5.5	250		430	80	Total count gamma
SRAT	60	100		Ox	Wet		
NP017	5.5	6.1	250		350	80	Total count gamma
SRAT	70	100		Ox	Wet		
NP017	6.1	6.8	340		430	80	Total count gamma
SRAT	70	100		Ox	Wet		
NP017	6.8	7	260		500	80	Total count gamma
SRAT	70	100		Ox	Wet		
NP017	7	7.8	310		200	80	Total count gamma
SRAT	70	100		Ox	Wet		
NP017	7.8	8.4	290		180	80	Total count gamma
SRAT	70	100		Ox	Dry		
NP017	8.4	9.5	330		120	80	Total count gamma
SRAT	70	100		Ox	Dry		
NP018	0	1	200		75	75	Total count gamma
SRAT	20	80	10	Ox	Dry		
NP018	1	1.5	110		75	75	Total count gamma
SRAT		100	15	Ox	Dry		
NP018	1.5	2	140		80	75	Total count gamma
SRAT		100	30	Ox	Dry		
NP018	2	2.5	340		75	75	Total count gamma
SRAT		100	20	Ox	Dry		2 runs (caving?)
NP018	2.5	3	180		80	75	Total count gamma
SRAT	60	100	5	Ox	Dry		
NP018	3	3.5	230		160	75	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	100						
	70			Ox	Damp		
NP018	3.5	3.8	220		140	80	Total count gamma
SRAT	70	100		Ox	Damp		
NP018	3.8	4.5	310		1400	80	Total count gamma
SRAT	30	60		Ox	Damp	40	abundant 2nd U pellets
NP018	4.5	5	250		800	80	Total count gamma
SRAT	60	80		Ox	wet	20	abundant 2nd U
NP018	5	5.5	300		400		Total count gamma
SRAT	70	100		Ox	wet		
NP018	5.5	5.9	350		500	80	Total count gamma
SRAT	70	100		Ox	wet		dense clay
NP018	5.9	6.5	310		150	80	Total count gamma
SRAT	70	100		Ox	wet		dense clay
NP018	6.5	7.4	270		200	80	Total count gamma
SRAT	80	100		Ox	wet		dense clay
NP018	7.4	8.3	290		190		Total count gamma
SRAT	80	100		Ox	wet		dense clay
NP018	8.3	8.8	290		200	80	Total count gamma
SRAT	80	100		Ox	wet		2 runs
NP018	9	9.8	110		150	80	Total count gamma
SRAT	50			Ox	wet	100	2 runs
NP019	0	1	190		250	80	Total count gamma
SRAT	10	90	30	Ox	Dry		
NP019	1	1.5	220		350	80	Total count gamma
SRAT		100	30	Ox	Dry		
NP019	1.5	2	210		370	90	Total count gamma
SRAT		100	30	Ox	Dry		
NP019	2	2.5	240		190	90	Total count gamma
SRAT		100	10	Ox	Dry		Tr. lt green
NP019	2.5	3	220		470	85	Total count gamma
SRAT		70		30	Dry	30	
NP019	3	3.5	260		950	90	Total count gamma
SRAT	60	Y		100	Dry	100	
NP019	3.5	4	250		740	90	Total count gamma

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SRAT	50	100 Y		Ox	Dry		
NP019 SRAT	4	4.5 100	300		350	95	Total count gamma
	60			Ox	Damp		
NP019 SRAT	4.5	5 100	230		150	90	Total count gamma
	70			Ox	wet		dense clay
NP019 SRAT	5	5.4 100	320		300	95	Total count gamma
	80			Ox	wet		dense clay
NP019 SRAT	5.4	6.1 100	420		380	90	Total count gamma
	80			Ox	wet		dense clay
NP019 SRAT	6.1	6.9 100	540		220	90	Total count gamma
	80			Ox	wet		mottled transition
NP019 SRAT	6.9	7.5 100	280		150	90	Total count gamma
	80			Ox	wet		
NP019 SRAT	7.5	8 100	140		120	85	Total count gamma
	80			Ox	Dry		
NP019 SRAT	8	8.6 100	290		190	90	Total count gamma
	80			Ox	Dry		
NP019 SRAT	8.6	9.2 100	110		150	90	Total count gamma
	80			Ox	Dry		
NP020 SRAT	0	1 85	300 10		80	80	Total count gamma
	15			Ox	Dry		
NP020 SRAT	1	1.5 100	150 20		120	80	Total count gamma
	50			Ox	Dry		
NP020 SRAT	1.5	2 100	120 30		200	80	Total count gamma
	50			Ox	Dry		
NP020 SRAT	2	2.5	310 30		180	80	Total count gamma
	60			Ox	Dry		2 runs
NP020 SRAT	2.5	3 70	330		150	90	Total count gamma
	60			30 Ox	Dry	30	fall down
NP020 SRAT	3	3.5 30	250		550	90 70	Total count gamma
	60			70 Ox	Damp		
NP020 SRAT	3.5	4 100 Y	260		900	90	Total count gamma
	50			Ox	Damp		
NP020	4	4.5	270		250	90	Total count gamma

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SRAT	50	100 Y		Ox	Damp		
NP020 SRAT	4.5	5 100	240		240	90	Total count gamma
	60			Ox	Wet		
NP020 SRAT	5	5.9 100	410		250	90	Total count gamma
	60			Ox	Wet		
NP020 SRAT	5.9	6.7 100	470		200	90	Total count gamma
	70			Ox	Wet		
NP020 SRAT	6.7	7.3 100	310		250		Total count gamma
	70			Ox	Wet		
NP020 SRAT	7.3	7.7 100	200		190	100	Total count gamma
	80			Ox	Wet	mottled	
NP020 SRAT	7.7	8.5 100	160		200	90	Total count gamma
	80			Ox	Wet	mottled	
NP020 SRAT	8.5	8.8 100	260		180	90	Total count gamma
	80			Ox	Wet	3 runs	
NP020 SRAT	8.8	9 100	50		180	90	Total count gamma
	80			Ox	Wet	2 runs; too hard (abandon)	
NP021 SRAT	0	1 85	230 10		100	80	Total count gamma
	15			Ox	Dry		
NP021 SRAT	1	1.5 100	80 20		100	75	Total count gamma
				Ox	Dry		
NP021 SRAT	1.5	2 100	210 10		80	70	Total count gamma
				Ox	Dry		
NP021 SRAT	2	2.5 100	220		80	70	Total count gamma
	70			Ox	Dry		
NP021 SRAT	2.5	3 100	300		90	80	Total count gamma
	70			Ox	Dry		
NP021 SRAT	3	3.5 85	260 15				Total count gamma
	70			Ox	Dry		
NP021 SRAT	3.5	4 95	280 5		110	80	Total count gamma
	70			Ox	Wet		
NP021 SRAT	4	4.5 95	390 5		370		Total count gamma
	70			Ox	Wet		
NP021	4.5	5	180		270	80	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	40			Ox	Wet	sandy	100	
NP021	5	5.5	410			670	Total count gamma	
SRAT	70		Y	Re	Wet	compact carb clay	40 60	
NP021	5.5	5.7	340			470	80 Total count gamma	
SRAT	70		Y	Re	Wet	brown mottles	100	
NP021	5.7	6.7	460			550	80 Total count gamma	
SRAT	80			Re	Wet	dense clay	100	
NP021	6.7	7.2	400			290	80 Total count gamma	
SRAT	80	40		Ox	Wet	dense clay	60	
NP021	7.2	7.5	280			200	80 Total count gamma	
SRAT	80	100		Ox	Wet			
NP021	7.5	8.6	250			260	80 Total count gamma	
SRAT	80	100		Ox	Wet	2 runs		
NP021	8.6	8.9	30				Total count gamma	
SRAT	80			Ox	Wet	2 runs; too hard (abandon)		
NP022	0	1	320			80	75 Total count gamma	
SRAT	15	85	20	Ox	Dry			
NP022	1	1.5	240			80	75 Total count gamma	
SRAT		100	30	Ox	Dry			
NP022	1.5	2	280			100	75 Total count gamma	
SRAT		100	30	Ox	Dry			
NP022	2	2.5	240			95	75 Total count gamma	
SRAT	50	100	10	Ox	Dry			
NP022	2.5	3	280			80	75 Total count gamma	
SRAT	50	100	5	Ox	Dry			
NP022	3	3.5	320			80	75 Total count gamma	
SRAT	50	100		Ox	Dry			
NP022	3.5	4	270			140	75 Total count gamma	
SRAT	50	100		Ox	Damp			
NP022	4	4.5	300			130	75 Total count gamma	
SRAT	50	100		Ox	Damp			
NP022	4.5	5	420			200	80 Total count gamma	
SRAT	50	100		Ox	Damp			
NP022	5	5.5	210			850	Total count gamma	

# Appendix 4. Drill Geology\_ 2006

SRAT	60	100	Y	Re	Wet		
NP022 SRAT	5.5	6	340		550	80	Total count gamma
	60	100	Y	Re	Wet	2 runs	
NP022 SRAT	6	7	450		500	80	Total count gamma
	70	100	Y	Re	Wet		
NP022 SRAT	7	7.3	140		200		Total count gamma
	80	100		Ox	Wet		
NP022 SRAT	7.3	7.8	210		160	80	Total count gamma
	80	100		Ox	Wet		
NP022 SRAT	7.8	8.2	110		170	80	Total count gamma
	80	100		Ox	Wet		
NP022 SRAT	8.2	8.5	100		160	80	Total count gamma
	70	100		Ox	Wet		
NP022 SRAT	8.5	10.1	290		190	80	Total count gamma
	45	100		Ox	Wet		sandy basal unit
NP023 SRAT	0	1	300		70	65	Total count gamma
	15	85	4	Ox	Dry		
NP023 SRAT	1	1.5	100		75	65	Total count gamma
			20	Ox	Dry		
NP023 SRAT	1.5	2	210		105	65	Total count gamma
	50		30	Ox	Dry		
NP023 SRAT	2	2.5	320		105	65	Total count gamma
	50	Y	30	Ox	Dry		some caving?
NP023 SRAT	2.5	3	260		85	70	Total count gamma
	60	90		Ox	Dry	10	
NP023 SRAT	3	3.5	250		100	70	Total count gamma
	60	100		Ox	Damp		
NP023 SRAT	3.5	4	220		500	80	Total count gamma
	60	100		Ox	Damp		
NP023 SRAT	4	4.5	270		650	80	Total count gamma
	65	30		70 Ox	Damp	70	
NP023 SRAT	4.5	5	250		1150	80	Total count gamma
	70	100		Ox	Damp		very damp
NP023	5	5.5	260		700	80	Total count gamma



# Appendix 4. Drill Geology\_ 2006

SRAT	100						
	70			Ox	Wet		
NP023	5.5	6.2	230		450	80	Total count gamma
SRAT	70	100		Ox	Wet		
NP023	6.2	6.5	135		380	80	Total count gamma
SRAT	70	100		Ox	Wet		
NP023	6.5	7.1	250		500	80	Total count gamma
SRAT	70	100		Ox	Wet		
NP023	7.1	7.5	340		250	80	Total count gamma
SRAT	70	100		Ox	Wet		
NP023	7.5	7.9	180		200	80	Total count gamma
SRAT		100		Ox	Wet		"sloppy sample, 2 runs"
NP023	7.9	8.3	90				Total count gamma
SRAT		100		Ox	Wet		low recovery
NP024	0	1	340		65	65	Total count gamma
SRAT	15	85	15	Ox	Dry		
NP024	1	1.5	160		70	65	Total count gamma
SRAT	45	100	20	Ox	Dry		
NP024	1.5	2	160		80	70	Total count gamma
SRAT	45	100	30	Ox	Dry		
NP024	2	2.5	530		130	80	Total count gamma
SRAT	45	100	35	Ox	Dry		2 runs and cavings
NP024	2.5	3	280		350	80	Total count gamma
SRAT	50	70		30 Ox	Dry	30	
NP024	3	3.5	330		190	80	Total count gamma
SRAT	60	100		Ox	Dry		
NP024	3.5	4	210		100	80	Total count gamma
SRAT	60	100		Ox	Dry		
NP024	4	4.5	260		210	80	Total count gamma
SRAT	60	100		Ox	Wet		
NP024	4.5	5	430		600	80	Total count gamma
SRAT	60	100		Ox	Wet		
NP024	5	5.5	280		1400	80	Total count gamma
SRAT	70	100	Y	Ox	Wet		tr spotty carbon
NP024	5.5	6	255		180	80	Total count gamma

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SRAT	75	100		Ox	Wet		
NP024 SRAT	6	6.5 100	360		200	80	Total count gamma
	75			Ox	Wet		
NP024 SRAT	6.5	7.5 100	340		300	80	Total count gamma
	75			Ox	Wet		
NP024 SRAT	7.5	8 100	200		200	80	Total count gamma
	80			Ox	Wet		"loose, underweight returns"
NP024 SRAT	8	8.4 100	230		160	80	Total count gamma
	80			Ox	Wet		
NP024 SRAT	8.4	9 100	70		120	80	Total count gamma
	80			Ox	Wet		
NP024 SRAT	9	9.3 100	230		220	75	Total count gamma
	80			Ox	Wet		3 runs low recy each time
NP025 SRAT	0	1 50	170 10		65	65	Total count gamma
				Ox	Dry		
NP025 SRAT	1	1.5 100	170 20		75	70	Total count gamma
				Ox	Dry		
NP025 SRAT	1.5	2 100	230 10		80	70	Total count gamma
				Ox	Dry		
NP025 SRAT	2	2.5 100	260		75	70	Total count gamma
	65			Ox	Dry		
NP025 SRAT	2.5	3 95	300		150	70 5	Total count gamma
	65			5 Ox	Dry		
NP025 SRAT	3	3.5 95	260		250	70 5	Total count gamma
	65			5 Ox	Dry		
NP025 SRAT	3.5	4 100	280		300	70	Total count gamma
	70			Ox	Damp		
NP025 SRAT	4	4.5 30	340		300	75	Total count gamma
	25			Ox	Damp	70	
NP025 SRAT	4.5	5 100 Y	270		1350	70	Total count gamma
	55			Ox	Wet		
NP025 SRAT	5	5.5 50 Y	290 Y		1200	70	Total count gamma
	60			Ox	Wet	50	
NP025	5.5	5.9	300		1050	85	Total count gamma

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SRAT	50					20	50
	55		Y	Ox	Wet	2 runs	spotty carbon
NP025	5.9	6.9	580		320	85	Total count gamma
SRAT	75	80		Y	Ox	Wet	spotty carbon
NP025	6.9	7.9	400		280	80	Total count gamma
SRAT	80	100			Ox	Wet	
NP025	7.9	8.5	330		160	85	Total count gamma
SRAT	80	100			Ox	Wet	
NP025	8.5	9.1	360		175	80	Total count gamma
SRAT	80	100			Ox	Wet	
NP025	9.1	9.7	180		150	80	Total count gamma
SRAT	80	100			Ox	Wet	
NP025	9.7	10.7	180		160	80	Total count gamma
SRAT	80	100			Ox	Wet	
NP026	0	1	180		75	70	Total count gamma
SRAT	30	70	3		Ox	Dry	
NP026	1	1.5	220		75	65	Total count gamma
SRAT		100	30		Ox	Dry	
NP026	1.5	2	170		75	65	Total count gamma
SRAT		100	20		Ox	Dry	
NP026	2	2.5	180		75	65	Total count gamma
SRAT	40	70			Ox	Dry	30
NP026	2.5	3	540		80	70	Total count gamma
SRAT	55	100			Ox	Dry	
NP026	3	3.5	320		170	70	Total count gamma
SRAT	35	50			Ox	Dry	50
NP026	3.5	4	330		420	70	Total count gamma
SRAT	35	50			Ox	Dry	50
NP026	4	4.5	300		230	70	Total count gamma
SRAT	35	50			Ox	Damp	50
NP026	4.5	5	360		220	80	Total count gamma
SRAT	55	100			Ox	Damp	
NP026	5	5.5	300		500	80	Total count gamma
SRAT	60	100			Ox	Damp	
NP026	5.5	6.1	410		700	80	Total count gamma

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SRAT	100						
	60			Ox	Wet		
NP026	6.1	6.6	300		380	80	Total count gamma
SRAT	70	100		Ox	Wet		
NP026	6.6	7.3	260		180	80	Total count gamma
SRAT	80	100	Y	Ox	Wet		mottled dense
NP026	7.3	7.9	230		130	80	Total count gamma
SRAT	80	100		Ox	Wet		mottled dense
NP026	7.9	8.5	280		140	80	Total count gamma
SRAT	80	100		Ox	Wet		
NP026	8.5	8.8	270		130	80	Total count gamma
SRAT	80	100		Ox	Wet		
NP026	8.8	9.3	100		100	80	Total count gamma
SRAT	80	100		Ox	Wet		
NP027	0	1	240		70	65	Total count gamma
SRAT	40	60		Ox	Dry		
NP027	1	1.5	160		70	70	Total count gamma
SRAT		100	30	Ox	Dry		
NP027	1.5	2	160		70	70	Total count gamma
SRAT	50	100	30	Ox	Dry		
NP027	2	2.5	500		65	60	Total count gamma
SRAT	50	100	30	Ox	Dry		2 runs
NP027	2.5	3	340		70	60	Total count gamma
SRAT	50	100	10	Ox	Dry		
NP027	3	3.5	270		130	70	Total count gamma
SRAT	30	10		Ox	Dry		70
NP027	3.5	4	240		420	70	Total count gamma
SRAT	45	60		Ox	Dry		40
NP027	4	4.5	420		3000	70	Total count gamma
SRAT	50	20		80		80	
		Y		Ox	Dry		
NP027	4.5	5	250		1800	80	Total count gamma
SRAT	70	20		80		80	
		Y		Ox	Damp		
NP027	5	5.5	230		1500	80	Total count gamma
SRAT	75	100		Ox	Wet		dense clay
		Y					
NP027	5.5	6	360		1100	80	Total count gamma

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SRAT	100						
	80			Ox	wet	dense clay	
NP027	6	6.5	310		880	80	Total count gamma
SRAT	80	100		Ox	wet	dense clay	
NP027	6.5	7	310		480	80	Total count gamma
SRAT	80	100		Ox	wet	dense clay	
NP027	7	7.3	520		400	100	Total count gamma
SRAT	90	100		Ox	wet	dense clay	
NP027	7.3	8	400		220	100	Total count gamma
SRAT	90	100		Ox	wet	dense clay	
NP027	8	8.6	180		200	100	Total count gamma
SRAT	90	100		Ox	wet	dense clay	
NP027	8.6	9.1	390		250	110	Total count gamma
SRAT	90	100		Ox	wet	dense clay	
NP028	0	1	330		70	65	Total count gamma
SRAT	50			Ox	Dry	20	30
NP028	1	1.5	90		80	70	Total count gamma
SRAT				30 Ox	Dry	30	
NP028	1.5	2	100		80	65	Total count gamma
SRAT	50			Ox	Dry	40	20
NP028	2	2.5	360		80	65	Total count gamma
SRAT	60			Ox	Dry	20	20
						2 runs	
NP028	2.5	3	320		80	70	Total count gamma
SRAT	70			Ox	Dry		30
NP028	3	3.5	340		190	70	Total count gamma
SRAT	65			Ox	Damp	5	30
NP028	3.5	4	260		220	70	Total count gamma
SRAT	60			Ox	Damp		40
NP028	4	4.5	260		850	70	Total count gamma
SRAT	60		Y	Re	Damp		40
NP028	4.5	5	210		720	70	Total count gamma
SRAT	70		Y	Re	Damp		30
NP028	5	5.5	300		620	70	Total count gamma
SRAT	70		Y	Re	Damp		30
NP028	5.5	6	220		320	80	Total count gamma

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SRAT	70			Re	Wet		30		
NP028 SRAT	6	7.1	570		200	80	Total count gamma 20		
	80			Ox	Wet				
NP028 SRAT	7.1	8	430		150	80	Total count gamma 20		
	80			Ox	Wet	mottled RB	5		
NP028 SRAT	8	8.5	180		150	80	Total count gamma		
	80			Ox	Wet	mottled RB	5		
NP028 SRAT	8.5	9.1	240		150	80	Total count gamma		
	80			Ox	Wet				
NP028 SRAT	9.1	9.6	290		130	80	Total count gamma		
	80			Ox	Wet				
NP028 SRAT	9.6	10.4	330		120	80	Total count gamma		
	80			Ox	Dry				
NP029 SRAT	0	1	360		65	65	Total count gamma 20		
	50			Ox	Dry	10			
NP029 SRAT	1	1.5	90		70	65	Total count gamma 20		
				Ox	Dry	20			
NP029 SRAT	1.5	2	80		75	65	Total count gamma 20		
	50			Ox	Dry	30			
NP029 SRAT	2	2.5	370		75	65	Total count gamma 20		
	30			Ox	Dry	50			
NP029 SRAT	2.5	3	250		100	70	Total count gamma 30		
	50			Ox	Dry	20			
NP029 SRAT	3	3.5	220		280	80	Total count gamma 30		
	50			Ox	Dry	20			
NP029 SRAT	3.5	4	320		1400	80	Total count gamma 20		
	70			Ox	Damp	10			
NP029 SRAT	4	4.5	290		1000	80	Total count gamma 15		
	80			Ox	Damp	5			
NP029 SRAT	4.5	5	180		1450	80	Total count gamma 10		
	80			Ox	Damp				
NP029 SRAT	5	5.5	230		800	80	Total count gamma		
	70			Ox	Wet				
NP029	5.5	6	320		500	80	Total count gamma		

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SRAT	70			Ox	Wet		
NP029 SRAT	6	6.5	390		350	80	Total count gamma
	80			Ox	Wet		
NP029 SRAT	6.5	7.1	260		250	80	Total count gamma
	80			Ox	Wet		
NP029 SRAT	7.1	7.5	280		300	80	Total count gamma
	80			Ox	Wet	mottled	
NP029 SRAT	7.5	8.3	180		180	80	Total count gamma
	80			Ox	Wet	mottled	
NP029 SRAT	8.3	8.9	150		150	80	Total count gamma
	70			Ox	Wet		
NP029 SRAT	8.9	9.4	140		160	80	Total count gamma
	70			Ox	Wet		
NP029 SRAT	9.4	10	250		150	80	Total count gamma
	70			Ox	Wet		
NP030 SRAT	0	1	190		65	65	Total count gamma
				Ox	Dry		
NP030 SRAT	1	1.5	80		70	65 20	Total count gamma
				Ox	Dry		
NP030 SRAT	1.5	2	180		70	65 50	Total count gamma
	30			Ox	Dry	10	
NP030 SRAT	2	2.5	130		70	65 40	Total count gamma
	30			Ox	Dry		
NP030 SRAT	2.5	3	240		75	70 30	Total count gamma
	50			Ox	Dry		
NP030 SRAT	3	3.5	230		110	80 15	Total count gamma
	55			Ox	Dry		
NP030 SRAT	3.5	4	210		1200	80 5	Total count gamma
	55			Ox	Dry		
NP030 SRAT	4	4.5	310		4000	80 15	Total count gamma
	70	Y		Ox	Dry		
NP030 SRAT	4.5	5	370		3500	100	Total count gamma
	60	Y		Ox	Damp	abundant 2nd U	
NP030	5	5.5	310		1900	100	Total count gamma

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SRAT	60	Y	Y	Ox	Wet		20	
NP030 SRAT	5.5	6	210		900	100	Total count gamma	20
	60		Y	Re	Wet			
NP030 SRAT	6	6.5	330		800	110	Total count gamma	15
	60			Re	Wet			
NP030 SRAT	6.5	7	150		400	110	Total count gamma	
	70			Ox	Wet			
NP030 SRAT	7	7.7	320		350	110	Total count gamma	
	80			Ox	Wet	mottled		
NP030 SRAT	7.7	8.3	200		280	110	Total count gamma	
	80			Ox	Wet			
NP030 SRAT	8.3	8.8	180		250	110	Total count gamma	
	75			Ox	Wet			
NP030 SRAT	8.8	9.3	170		230	110	Total count gamma	
	75			Ox	Wet			
NP030 SRAT	9.3	9.7	130		200	110	Total count gamma	
	75			Ox	Wet			
NP030 SRAT	9.7	10.3	230		200	110	Total count gamma	
	75			Ox	Wet			
NP031 SRAT	0	1	250		70	70	Total count gamma	10
				Ox	Dry			
NP031 SRAT	1	1.5	110		70	65	Total count gamma	25
				Ox	Dry			
NP031 SRAT	1.5	2	160		75	70	Total count gamma	30
				Ox	Dry			
NP031 SRAT	2	2.5	180		75	70	Total count gamma	25
				Ox	Dry			
NP031 SRAT	2.5	3	190		125	70	Total count gamma	15
	600			Ox	Dry			20
NP031 SRAT	3	3.5	290		160	75	Total count gamma	5
	65			Ox	Damp			25
NP031 SRAT	3.5	4	380		650	75	Total count gamma	5
	75			Ox	Damp			20
NP031	4	4.5	430		420	75	Total count gamma	



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SRAT	75			Ox	Damp		
NP031 SRAT	4.5	5	300		440	80	Total count gamma
	75			Ox	Damp		
NP031 SRAT	5	5.5	240		300	80	Total count gamma
	75		Y	Re	Wet		
NP031 SRAT	5.5	6	140		300	80	Total count gamma
	75		Y	Re	Wet		
NP031 SRAT	6	6.5	220		280	80	Total count gamma 30
	50			Ox	Wet	sandy	
NP031 SRAT	6.5	7	150		250	80	Total count gamma
	75			Ox	Wet		
NP031 SRAT	7	7.5	270		350	85	Total count gamma 55
	30			Ox	Wet	loose sand layer	
NP031 SRAT	7.5	8.1	160		270	85	Total count gamma
	80			Ox	Wet	over mottled clay	
NP031 SRAT	8.1	8.5	140		200	85	Total count gamma
	80			Ox	Wet		
NP031 SRAT	8.5	9.1	220		150	80	Total count gamma
	80			Ox	Wet		
NP031 SRAT	9.1	9.5	130		120	75	Total count gamma
	80			Ox	Wet		
NP031 SRAT	9.5	9.9	220		130	80	Total count gamma
	80			Ox	Wet	2 runs	
NP032 SRAT	0	1	250		70	5	Total count gamma
				Ox	Dry		
NP032 SRAT	1	1.5	90		70	20	Total count gamma
				Ox	Dry		
NP032 SRAT	1.5	2	130		70	30	Total count gamma
				Ox	Dry		
NP032 SRAT	2	2.5	420		75	40	Total count gamma
				Ox	Dry	2 runs	
NP032 SRAT	2.5	3	270		150	10	Total count gamma 40
	50			Ox	Dry	sandy	
NP032	3	3.5	290		330		Total count gamma

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SRAT	60			Ox	Dry	20	
NP032 SRAT	3.5	4	450		1250		Total count gamma
o/night fall down	50	Y		Ox	Damp	10	2nd U on calc rocks; some
NP032 SRAT	4	4.5	190		1440		Total count gamma
	60			Ox	Wet		
NP032 SRAT	4.5	5	340		800		Total count gamma
	65			Ox	Wet		
NP032 SRAT	5	5.5	340		800		Total count gamma
	65			Ox	Wet	20	
NP032 SRAT	5.5	6	240		620		Total count gamma
	65			Ox	Wet		
NP032 SRAT	6	6.5	280		740		Total count gamma
	65			Ox	Wet		
NP032 SRAT	6.5	7	150		610		Total count gamma
	65		Y	Ox	Wet	GA 3	
NP032 SRAT	7	7.5	470		680		Total count gamma
	75	Y		Ox	Wet		
NP032 SRAT	7.5	8	330		300		Total count gamma
	75			Ox	Wet		
NP032 SRAT	8	8.5	120		150		Total count gamma
	75			Ox	Wet		
NP032 SRAT	8.5	9	190		140		Total count gamma
	75			Ox	Wet		
NP032 SRAT	9.6	10.1	110		130		Total count gamma
	75			Ox	Wet		
NP033 SRAT	0	1	420				Total count gamma
				Ox	Dry		
NP033 SRAT	1	1.5	200		75	70	Total count gamma
				Ox	Dry	35	
NP033 SRAT	1.5	2	240		115	70	Total count gamma
				Ox	Dry	40	
NP033 SRAT	2	2.5	290		150	70	Total count gamma
				Ox	Dry	40	
NP033	2.5	3	330		100	70	Total count gamma

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SRAT	40			Ox	Dry	30 sandy	40	
NP033 SRAT	3	3.5	220		160	70	Total count gamma	25
	60			Ox	Dry			
NP033 SRAT	3.5	4	390		1350	80	Total count gamma	
	70			Ox	Damp			
NP033 SRAT	4	4.5	410		1600	90	Total count gamma	20
	60		Y	Ox	Damp			
NP033 SRAT	4.5	5	360		2100	90	Total count gamma	20
	60	Y	Y	Ox	Damp			
NP033 SRAT	5	5.5	410		850	90	Total count gamma	
	60		Y	Ox	Wet			
NP033 SRAT	5.5	6	250		600	90	Total count gamma	
	60			Ox	Wet			
NP033 SRAT	6	6.5	240		380	90	Total count gamma	
	60			Ox	Wet			
NP033 SRAT	6.5	7.2	390		440	90	Total count gamma	
	70			Ox	Wet			
NP033 SRAT	7.2	7.5	180		350	90	Total count gamma	
	75			Ox	Wet	mottled		
NP033 SRAT	7.5	8.3	230		200	90	Total count gamma	
	75			Ox	Wet			
NP033 SRAT	8.3	8.7	140		120	80	Total count gamma	
	60			Ox	Wet	"sloppy returns, 2 runs"		
NP033 SRAT	8.7	9.5	120		120	80	Total count gamma	
	60			Ox	Wet	low recovery		
NP033 SRAT	9.5	10.1	130		120	80	Total count gamma	
	60			Ox	Wet	"sandy, 2 runs"		
NP034 SRAT	0 40	1	360		70	65 5	Total count gamma	
				Ox	Dry			
NP034 SRAT	1	1.5	130		75	75 20	Total count gamma	
				Ox	Dry			
NP034 SRAT	1.5	2	280		70	70 25	Total count gamma	
				Ox	Dry			
NP034	2	2.5	230		80	70	Total count gamma	

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SRAT	40			Ox	Dry	25	25	
NP034 SRAT	2.5	3	280		85	70	Total count gamma	
	40			Ox	Dry	5	30	
NP034 SRAT	3	3.5	290		280	80	Total count gamma	
	50			Ox	Dry	5		
NP034 SRAT	3.5	4	240		600	80	Total count gamma	
	50			Ox	Dry			
NP034 SRAT	4	4.5	270		1300	80	Total count gamma	
	50			Ox	Damp			
NP034 SRAT	4.5	5	240		860	80	Total count gamma	
	50			Ox	Damp			
NP034 SRAT	5	5.5	330		600	80	Total count gamma	
	60			Ox	Wet			
NP034 SRAT	5.5	6	150		820	80	Total count gamma	
	60			Ox	Wet			
NP034 SRAT	6	6.4	170		500	80	Total count gamma	
	60			Ox	Wet			
NP034 SRAT	6.4	7.2	420		650	80	Total count gamma	
	60			Ox	Wet			
NP034 SRAT	7.2	7.6	60		320	80	Total count gamma	
	70			Ox	Wet			
NP034 SRAT	7.6	8.3	320		200	80	Total count gamma	
	80			Ox	Wet			
NP034 SRAT	8.3	8.8	290		200	80	Total count gamma	
	80			Ox	Wet		sandy variable	
NP034 SRAT	8.8	9.8	250		130	80	Total count gamma	
	60			Ox	Wet		recoverys	
NP034 SRAT	9.8	10.4	50		100	80	Total count gamma	
	50			Ox	Wet			
NP035 SRAT	0	1	330		70	70	Total count gamma	
	80			Ox	Dry	20		
NP035 SRAT	1	1.5	220		75	70	Total count gamma	
				Ox	Dry	25		
NP035	1.5	2	240		70	70	Total count gamma	

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SRAT				Ox	Dry		
NP035 SRAT	2	2.5	250		80	70	Total count gamma
				Ox	Dry	25	
NP035 SRAT	2.5	3	330		75	70	Total count gamma
	60			Ox	Dry	10	30
NP035 SRAT	3	3.5	370		100	70	Total count gamma
	60			Ox	Dry		30
NP035 SRAT	3.5	4	380		1050	80	Total count gamma
	60			Ox	Dry		30
NP035 SRAT	4	4.5	380		1900	90	Total count gamma
	60			Ox	Damp		
NP035 SRAT	4.5	5	230		1100	90	Total count gamma
	70			Ox	Damp		
NP035 SRAT	5	5.5	410		950	100	Total count gamma
	70			Ox	Damp		
NP035 SRAT	5.5	6	120		750	100	Total count gamma
	70			Ox	Damp		
NP035 SRAT	6	6.7	480		950	100	Total count gamma
	75			Ox	Damp		
NP035 SRAT	6.7	7	110		290	90	Total count gamma
	75			Ox	Damp		
NP035 SRAT	7	7.5	270		300	95	Total count gamma
	75			Ox	Damp		RB 5
NP035 SRAT	7.5	8	240		200	100	Total count gamma
	75			Ox	Damp		
NP035 SRAT	8	8.5	280		180	100	Total count gamma
	75			Ox	Damp		
NP035 SRAT	8.5	9	310		160	100	Total count gamma
				Ox	Damp		
NP035 SRAT	9	10	280		150	100	Total count gamma
				Ox	Damp		
NP036 SRAT	0	1	290		75	70	Total count gamma
	100			Ox	Dry		
NP036	1	1.5	180		75	70	Total count gamma

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SRAT							
				Ox	Dry		
NP036 SRAT	1.5	2	210		75	70 40	Total count gamma
				Ox	Dry		
NP036 SRAT	2	2.5	210		75	70 40	Total count gamma
				Ox	Dry		
NP036 SRAT	2.5	3	460		70	70 40	Total count gamma
				Ox	Dry	cavings?	
NP036 SRAT	3	3.5	310		100	70 5	Total count gamma
	60			Ox	Dry		30
NP036 SRAT	3.5	4	290		260	70	Total count gamma
	50			Ox	Dry	sandy	40
NP036 SRAT	4	4.5	310		230	70	Total count gamma
	50			Ox	Dry	sandy	40
NP036 SRAT	4.5	5	290		250	70	Total count gamma
	60			Ox	Dry	sandy	40
NP036 SRAT	5	5.5	330		730	75	Total count gamma
	60			Ox	wet	sandy	30
NP036 SRAT	5.5	6	260		780	80	Total count gamma
	60			Ox	wet	sandy	30
NP036 SRAT	6	6.5	190		250	80	Total count gamma
	70			Ox	wet		25
NP036 SRAT	6.5	7.6	420		230	80	Total count gamma
	70			Ox	wet	mottled	
NP036 SRAT	7.6	8.6	530		200	80	Total count gamma
	80			Ox	wet		
NP036 SRAT	8.6	9.2	200		160	80	Total count gamma
	70			Ox	wet		
NP036 SRAT	9.2	9.9	130		260	80	Total count gamma
	70			Ox	wet		
NP036 SRAT	9.9	10.4	160		310	80	Total count gamma
	70			Ox	wet	sandy clay	
NP037 SRAT	0	1	240		75	70 10	Total count gamma
				Ox	Dry		
NP037	1	1.5	220		85	70	Total count gamma

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SRAT							
				Ox	Dry		
NP037 SRAT	1.5	2	190		160	70	Total count gamma
				Ox	Dry	45	
NP037 SRAT	2	2.5	210		100	70	Total count gamma
				Ox	Dry	35	
NP037 SRAT	2.5	3	410		120	70	Total count gamma
	60			Ox	Dry	10	30
NP037 SRAT	3	3.5	340		460	70	Total count gamma
	60			Ox	Dry	5	30
NP037 SRAT	3.5	4	380		800	70	Total count gamma
	60			Ox	Damp		30
NP037 SRAT	4	4.5	270		1750	90	Total count gamma
	20	Y		Ox	Damp		70 2nd U clots
NP037 SRAT	4.5	5	350		770	80	Total count gamma
	20	Y		Ox	Wet		70
NP037 SRAT	5	5.5	330		620	80	Total count gamma
	40			Ox	Wet		60
NP037 SRAT	5.5	6	250		400	80	Total count gamma
	55			Ox	Wet		40
NP037 SRAT	6	6.4	210		500	80	Total count gamma
	55			Ox	Wet		40
NP037 SRAT	6.4	7	340		340	80	Total count gamma
	55			Ox	Wet		40
NP037 SRAT	7	8.1	620		350	80	Total count gamma
	70			Ox	Wet		mottled
NP037 SRAT	8.1	8.6	250		150	80	Total count gamma
	75			Ox	Wet		
NP037 SRAT	8.6	9.1	180		200	80	Total count gamma
	75			Ox	Wet		
NP037 SRAT	9.1	9.6	260		180	80	Total count gamma
	75			Ox	Wet		
NP037 SRAT	9.6	10.2	190		130	80	Total count gamma
	75			Ox	Wet		
NP038	0	1	360		85	70	Total count gamma

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SRAT	90						
				Ox	Dry	10	
NP038 SRAT	1	1.5	160		110	70	Total count gamma
				Ox	Dry	25	
NP038 SRAT	1.5	2	170		100	70	Total count gamma
				Ox	Dry	35	
NP038 SRAT	2	2.5	280		100	70	Total count gamma
	50			Ox	Dry	40	
NP038 SRAT	2.5	3	430		100	70	Total count gamma
	50			Ox	Dry	20	
NP038 SRAT	3	3.5	260		100	70	Total count gamma
	65			Ox	Dry	2 runs	
NP038 SRAT	3.5	4	300		160	70	Total count gamma
	65			Ox	Dry		
NP038 SRAT	4	4.5	240		150	70	Total count gamma
	50			Ox	Dry	40	
NP038 SRAT	4.5	5	300		940	80	Total count gamma
	55	Y		Ox	Damp	35	
NP038 SRAT	5	5.5	280		700	80	Total count gamma
	60			Ox	wet	30	
NP038 SRAT	5.5	6	330		500	80	Total count gamma
	60			Ox	wet		
NP038 SRAT	6	6.5	270		290	80	Total count gamma
	60			Ox	wet		
NP038 SRAT	6.5	7.1	150		200	80	Total count gamma
	70			Ox	wet		
NP038 SRAT	7.1	7.6	370		200	80	Total count gamma
	70			Ox	wet		
NP038 SRAT	7.6	8.2	360		150	80	Total count gamma
	75			Ox	wet	mottled	
NP038 SRAT	8.2	8.6	150		150	80	Total count gamma
	75			Ox	wet	mottled	
NP038 SRAT	8.6	9.1	140		140	80	Total count gamma
	65			Ox	wet	mottled	
NP038	9.1	9.5	260		130	80	Total count gamma



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SRAT	70			Ox	Wet	just fall down?	
NP038 SRAT	9.5	10.3	350		130	80	Total count gamma
	70			Ox	Wet		
NP039 SRAT	0	1	380		85	70 10	Total count gamma
				Ox	Dry		
NP039 SRAT	1	1.5	310		85	70 20	Total count gamma
				Ox	Dry		
NP039 SRAT	1.5	2	320		95	70 30	Total count gamma
				Ox	Dry		
NP039 SRAT	2	2.5	250		110	70 30	Total count gamma
				Ox	Dry		
NP039 SRAT	2.5	3	310		110	70 10	Total count gamma
	60			Ox	Dry		30
NP039 SRAT	3	3.5	300		210	70 5	Total count gamma
	60			Ox	Damp		30
NP039 SRAT	3.5	4	240		210	80	Total count gamma
	60			Ox	Damp		30
NP039 SRAT	4	4.5	290		600	80	Total count gamma
	60			Ox	Damp		30
NP039 SRAT	4.5	5	380		620	80	Total count gamma
	65			Ox	Damp		
NP039 SRAT	5	5.5	390		400	80	Total count gamma
	70		Y	Re	Dry	"carb, compact clay"	
NP039 SRAT	5.5	6	280		220	80	Total count gamma
	70		Y	Ox	Wet		
NP039 SRAT	6	6.5	250		150	80	Total count gamma
	70			Ox	Wet		
NP039 SRAT	6.5	7.2	410		150	80	Total count gamma
	70			Ox	Wet		20
NP039 SRAT	7.2	7.5	230		200	80	Total count gamma
	70			Ox	Wet		
NP039 SRAT	7.5	8.4	250		150	80	Total count gamma
	75			Ox	Wet		
NP039	8.4	9	210		120	80	Total count gamma

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SRAT	75			Ox	Wet		
NP039 SRAT	9	9.5	130		100	80	Total count gamma
				Ox	Wet		
NP039 SRAT	9.5	10.3	310		125	80	Total count gamma
				Ox	Wet	2 runs	
NP040 SRAT	0 80	1	330		75	70 10	Total count gamma
				Ox	Dry		
NP040 SRAT	1	1.5	190		70	70 30	Total count gamma
				Ox	Dry		
NP040 SRAT	1.5	2	300		90	70 20	Total count gamma
				Ox	Dry		
NP040 SRAT	2	2.5	300		75	70 20	Total count gamma
	50			Ox	Dry		
NP040 SRAT	2.5	3	330		80	70 15	Total count gamma
	50			Ox	Dry		
NP040 SRAT	3	3.5	370		160	70 5	Total count gamma
	50			Ox	Dry		
NP040 SRAT	3.5	4	320		730	70	Total count gamma 30
	50			Ox	Dry		
NP040 SRAT	4	4.5	340		1800	70	Total count gamma 40
	50	Y	Y	Ox	Dry		
NP040 SRAT	4.5	5	380		680	70	Total count gamma
	60			Ox	Damp		
NP040 SRAT	5	5.5	260		280	70	Total count gamma
	60			Ox	Damp		
NP040 SRAT	5.5	6	370		200	80	Total count gamma
	70		Y	Ox	Wet	spotty carbon	
NP040 SRAT	6	6.5	180		700	80	Total count gamma
	70			Ox	Wet		
NP040 SRAT	6.5	7.1	300		750	80	Total count gamma 30
	50			Ox	Wet	sandy	
NP040 SRAT	7.1	7.5	260		260	80	Total count gamma 70
	20			Ox	Wet	sand	
NP040	7.5	8	350		200	80	Total count gamma

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SRAT	50			Ox	Wet	sand over clay	
NP040 SRAT	8	9	350		200	80	Total count gamma
	70			Ox	Wet		
NP040 SRAT	9	10	300		180	80	Total count gamma
	70			Ox	Wet	caving?	
NP040 SRAT	9.4	10	160		100	80	Total count gamma
	70			Ox	Wet		
NP040 SRAT	10	10.4	350		180	80	Total count gamma
	70			Ox	Wet	caving?	
NP041 SRAT	0	1	330		200	90	Total count gamma
	70			Ox	Dry	25	
NP041 SRAT	1	1.5	210		170	80	Total count gamma
				Ox	Dry	30	
NP041 SRAT	1.5	2	150		300	80	Total count gamma
				Ox	Dry	20	
NP041 SRAT	2	2.5	250		320	80	Total count gamma
	60	Y		Ox	Dry	5	
NP041 SRAT	2.5	3	230		280	90	Total count gamma
	60			Ox	Dry		
NP041 SRAT	3	3.5	250		320	90	Total count gamma
	60			Ox	Dry	5	
NP041 SRAT	3.5	4	180		600	90	Total count gamma
	60			Ox	Dry		
NP041 SRAT	4	4.5	270		700	100	Total count gamma
	60			Ox	Dry		
NP041 SRAT	4.5	5	230		600	90	Total count gamma
	60		Y	Ox	Damp		
NP041 SRAT	5	5.5	280		400	90	Total count gamma
	65		Y	Re	Damp	minor carbon	
NP041 SRAT	5.5	6	300		1150	90	Total count gamma
	65		Y	Re	Damp	minor carbon	
NP041 SRAT	6	6.5	480		600	90	Total count gamma
	65		Y	Re	Wet	minor carb	
NP041	6.5	7.2	330		1500	90	Total count gamma

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SRAT	65		Y	Re	Wet	minor carb	
NP041 SRAT	7.2	8	250		260	90	Total count gamma
	70			Ox	Wet		
NP041 SRAT	8	8.5	240		220	90	Total count gamma
	70			Ox	Wet	mottled	
NP041 SRAT	8.5	9	380		250	90	Total count gamma
	75			Ox	Wet		
NP041 SRAT	9	10	440		190	90	Total count gamma
	75			Ox	Wet	2 runs	
NP041 SRAT	10	11	420		140	90	Total count gamma
	75			Ox	Wet		
NP042 SRAT	0	1	380		80	75	Total count gamma
	80			Ox	Dry	5	
NP042 SRAT	1	1.5	250		200	75	Total count gamma
				Ox	Dry	25	
NP042 SRAT	1.5	2	190		500	80	Total count gamma
				Ox	Dry	25	
NP042 SRAT	2	2.5	220		420	80	Total count gamma
				Ox	Dry	15	
NP042 SRAT	2.5	3	240		400	80	Total count gamma
	60			Ox	Dry	5	
NP042 SRAT	3	3.5	190		600	90	Total count gamma
	60			Ox	Dry		
NP042 SRAT	3.5	4	230		850	90	Total count gamma
	60			Ox	Dry		
NP042 SRAT	4	4.5	310		1050	90	Total count gamma
	60			Ox	Dry		
NP042 SRAT	4.5	5	330		550	90	Total count gamma
	60			Ox	Damp		
NP042 SRAT	5	5.5	330		500	100	Total count gamma
	60			Ox	Damp		
NP042 SRAT	5.5	6	230		340	90	Total count gamma
	50			Ox	Wet	20	
NP042	6	6.5	360		1500	100	Total count gamma

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SRAT	50		Y	Ox	Wet	30 minor carb	
NP042 SRAT	6.5	7	220		1000	100	Total count gamma
	50		Y	Ox	Wet	30 minor carb	
NP042 SRAT	7	7.8	190		900	100	Total count gamma
	20			Ox	Wet	80 sandy	
NP042 SRAT	7.8	8.3	270		250	90	Total count gamma
	70			Ox	Wet	30 sand over clay	
NP042 SRAT	8.3	8.9	220		180	100	Total count gamma
	70			Ox	Wet		
NP042 SRAT	8.9	9.2	220		180	100	Total count gamma
	75			Ox	Wet		
NP042 SRAT	9.2	9.5	150		150	100	Total count gamma
	75			Ox	Wet		
NP042 SRAT	9.5	10.3	220		150	95	Total count gamma
				Ox	Wet		
NP043 SRAT	0 90	1	340		80	75 5	Total count gamma
				Ox	Dry		
NP043 SRAT	1	1.5	140		110	80 20	Total count gamma
				Ox	Dry		
NP043 SRAT	1.5	2	150		280	80 30	Total count gamma
				Ox	Dry		
NP043 SRAT	2	2.5	210		270	80 30	Total count gamma
				Ox	Dry		
NP043 SRAT	2.5	3	290		150	80 10	Total count gamma
				Ox	Dry		
NP043 SRAT	3	3.5	250		380	80 5	Total count gamma
	60			Ox	Dry		
NP043 SRAT	3.5	4	230		500	80	Total count gamma
	60			Ox	Dry		
NP043 SRAT	4	4.5	240		540	80	Total count gamma
	60			Ox	Dry		
NP043 SRAT	4.5	5	340		630	80	Total count gamma
	60			Ox	Damp		
NP043	5	5.5	210		830	80	Total count gamma

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SRAT	30	Y		Ox	Damp	60	
NP043 SRAT	5.5	6	160		1000	100	Total count gamma 60
	30	Y	Y	Ox	Wet		
NP043 SRAT	6	6.5	170		950	100	Total count gamma
	60	Y	Y	Ox	Wet		
NP043 SRAT	6.5	6.8	210		920	100	Total count gamma
	70		Y	Ox	Wet		
NP043 SRAT	6.8	8.3	320		1150	100	Total count gamma
	50			Ox	Wet		"sandy over red clay, 2 runs"
NP043 SRAT	8.3	9	340		250	95	Total count gamma
	75			Ox	Wet		red br clay
NP043 SRAT	9	10	170		230	95	Total count gamma
	75			Ox	Wet		hole collapsing
NP044 SRAT	0 100	1	350		80	80	Total count gamma
				Ox	Dry		
NP044 SRAT	1	1.5	170		170	80 25	Total count gamma
				Ox	Dry		
NP044 SRAT	1.5	2	140		150	80 30	Total count gamma
				Ox	Dry		
NP044 SRAT	2	2.5	120		110	80 25	Total count gamma
				Ox	Dry		
NP044 SRAT	2.5	3	220		150	80 10	Total count gamma
	60			Ox	Dry		
NP044 SRAT	3	3.5	290		400	90 5	Total count gamma
	60			Ox	Dry		
NP044 SRAT	3.5	4	220		700	90	Total count gamma
	60			Ox	Dry		
NP044 SRAT	4	4.5	230		750	90	Total count gamma
	60			Ox	Dry		
NP044 SRAT	4.5	5	300		910	90	Total count gamma
	60			Ox	Dry		
NP044 SRAT	5	5.5	260		1200	90	Total count gamma
	60			Ox	Damp		
NP044	5.5	6	190		470	100	Total count gamma

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SRAT	35			Ox	Damp	65	
NP044 SRAT	6	6.5	160		400	95	Total count gamma 70
	30		Y	Ox	Wet		
NP044 SRAT	6.5	7	220		440	95	Total count gamma 50
	50		Y	Re	Wet		common carbon
NP044 SRAT	7	7.5	300		540	100	Total count gamma
	65		Y	Re	Wet		minor carbon
NP044 SRAT	7.5	8.3	290		220	100	Total count gamma 80
	15		Y	Re	Wet		carb sand over red clay
NP044 SRAT	8.3	8.8	220		230	100	Total count gamma
	70			Ox	Wet		red br clay
NP044 SRAT	8.8	9.3	180		190	100	Total count gamma
	80			Ox	Wet		
NP044 SRAT	9.3	9.6	280		160	100	Total count gamma
	80			Ox	Wet		2 runs
NP044 SRAT	9.6	10	180		150	95	Total count gamma
				Ox	Wet		
NP045 SRAT	0	1	240		75	70	Total count gamma
	90			Ox	Dry	10	
NP045 SRAT	1	1.5	130		80	75	Total count gamma
				Ox	Dry	30	
NP045 SRAT	1.5	2	110		75	75	Total count gamma
				Ox	Dry	30	
NP045 SRAT	2	2.5	330		75	70	Total count gamma
				Ox	Dry	40	
NP045 SRAT	2.5	3	280		100	75	Total count gamma
				Ox	Dry	10	
NP045 SRAT	3	3.5	220		100	75	Total count gamma
				Ox	Dry	10	
NP045 SRAT	3.5	4	330		380	80	Total count gamma
	60			Ox	Dry		
NP045 SRAT	4	4.5	250		480	80	Total count gamma
	60	Y		Ox	Dry	5	
NP045	4.5	5	350		900	80	Total count gamma

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SRAT	60	Y		Ox	Damp		
NP045	5	5.5	350		1000	80	Total count gamma
SRAT	60	Y	Y	Ox	Damp	trace carbon	
NP045	5.5	5.8	140		600	80	Total count gamma
SRAT	30	Y		Ox	Wet	sandy	60
NP045	5.8	6.8	380		350	80	Total count gamma
SRAT	60			Ox	Wet		40
NP045	6.8	7.5	370		1300	90	Total count gamma
SRAT	55		Y	Ox	Wet	tr-minor carbon	
NP045	7.5	8.1	170		450	90	Total count gamma
SRAT	50			Ox	Wet		
NP045	8.1	8.5	150		130	90	Total count gamma
SRAT	60			Ox	Wet		
NP045	8.5	9.1	350		170	80	Total count gamma
SRAT	75			Ox	Wet	mottled	
NP045	9.1	9.9	320		240	80	Total count gamma
SRAT	75			Ox	Wet		
NP046	0	1	320		85	75	Total count gamma
SRAT	80			Ox	Dry	15	
NP046	1	1.5	110		85	75	Total count gamma
SRAT				Ox	Dry	25	
NP046	1.5	2	120		85	75	Total count gamma
SRAT				Ox	Dry	25	
NP046	2	2.5	170		85	75	Total count gamma
SRAT				Ox	Dry	15	
NP046	2.5	3	360		100	80	Total count gamma
SRAT				Ox	Dry	10	
NP046	3	3.5	260		700	80	Total count gamma
SRAT	60			Ox	Dry	10	
NP046	3.5	4	180		860	80	Total count gamma
SRAT	60			Ox	Dry	5	
NP046	4	4.5	240		690	80	Total count gamma
SRAT	60			Ox	Dry	5	
NP046	4.5	5	390		950	90	Total count gamma



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SRAT	60	Y		Ox	Damp	5	tr 2nd U smears
NP046 SRAT	5	5.5	140		1400	90	Total count gamma
	60			Ox	Wet		
NP046 SRAT	5.5	6	100		400	90	Total count gamma
	60			Ox	Wet		
NP046 SRAT	6	6.7	230		600	90	Total count gamma
	60			Ox	Wet		
NP046 SRAT	6.7	7.3	280		380	90	Total count gamma
	70			Ox	Wet		
NP046 SRAT	7.3	7.6	130		250	90	Total count gamma
	70		Y	Re	Wet		carbonaceous clay
NP046 SRAT	7.6	8.1	190		180	90	Total count gamma
	50		Y	Re	Wet	50	carb clay over reduced sand
NP046 SRAT	8.1	8.6	170		180	90	Total count gamma
	70			Ox	Wet		"mottled, oxid basement clay"
NP046 SRAT	8.6	9.3	340		220	90	Total count gamma
	80			Ox	Wet		
NP046 SRAT	9.3	9.9	160		140	90	Total count gamma
	80			Ox	Wet		
NP047 SRAT	0	1	270		100	75	Total count gamma
	90			Ox	Dry	10	
NP047 SRAT	1	1.5	140		100	75	Total count gamma
				Ox	Dry	20	
NP047 SRAT	1.5	2	170		150	75	Total count gamma
				Ox	Dry	20	
NP047 SRAT	2	2.5	150		200	75	Total count gamma
				Ox	Dry	15	
NP047 SRAT	2.5	3	350		300	75	Total count gamma
				Ox	Dry	20	
NP047 SRAT	3	3.5	250		300	75	Total count gamma
	60			Ox	Dry	5	
NP047 SRAT	3.5	4	170		630	80	Total count gamma
	60	Y		Ox	Dry	5	"tr 2nd U on calcete; hard,
grinding"							
NP047	4	4.5	200		1200	80	Total count gamma

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SRAT	60	Y		Ox	Dry		
NP047 SRAT	4.5	5	190		2000	80	Total count gamma
	60	Y		Ox	Dry	5	tr 2nd U on calcrete; grinding
NP047 SRAT	5	5.5	260		3500	90	Total count gamma
	60			Ox	Wet	5	
NP047 SRAT	5.5	6	330		3000	100	Total count gamma
	60	Y		Ox	Wet	5	2nd U in clay; grinding
NP047 SRAT	6	6.6	130		1100	100	Total count gamma
	60	Y		Ox	Wet		
NP047 SRAT	6.6	6.9	110		470	100	Total count gamma
	60		Y	Re	Wet	30	very carbonaceous clay
NP047 SRAT	6.9	7.5	320		470	100	Total count gamma
	60		Y	Re	Wet	20	carb over oxid/mottled clay
NP047 SRAT	7.5	8	340		560	100	Total count gamma
	60		Y	Re	Wet	40	
NP047 SRAT	8	8.9	500		300	100	Total count gamma
	80			Ox	Wet		
NP047 SRAT	8.9	9.5	100		200	100	Total count gamma
	80			Ox	Wet		
NP047 SRAT	9.5	10.3	630		200	100	Total count gamma
	80			Ox	Wet		
NP048 SRAT	0	1	400		85	75	Total count gamma
	90			Ox	Dry	5	
NP048 SRAT	1	1.5	80		80	75	Total count gamma
				Ox	Dry	15	
NP048 SRAT	1.5	2	150		85	75	Total count gamma
				Ox	Dry	30	
NP048 SRAT	2	2.5	270		95	80	Total count gamma
				Ox	Dry	20	2 runs
NP048 SRAT	2.5	3	230		300	80	Total count gamma
		Y		Ox	Dry	10	tr 2nd U pellets
NP048 SRAT	3	3.5	280		800	80	Total count gamma
				Ox	Dry	5	
NP048	3.5	4	160		1400	80	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	60			Ox	Dry	5	
NP048 SRAT	4	4.5	250		2000	80	Total count gamma
	60			Ox	Dry	5	
NP048 SRAT	4.5	5	300		1700	100	Total count gamma
	60	Y		Ox	Dry		
NP048 SRAT	5	5.5	220		1650	100	Total count gamma
	60	Y	Y	Ox	Damp		
NP048 SRAT	5.5	6	140		840	100	Total count gamma
	60			Ox	Wet		
NP048 SRAT	6	6.5	300		630	100	Total count gamma
	30	Y	Y	Re	Wet	50	
NP048 SRAT	6.5	7.2	330		280	100	Total count gamma
	60		Y	Re	Wet	20	
NP048 SRAT	7.2	7.8	350		520	100	Total count gamma
	60		Y	Ox	Wet	40	
NP048 SRAT	7.8	8.4	300		230	100	Total count gamma
	70			Ox	Wet		
NP048 SRAT	8.4	8.9	70		210	100	Total count gamma
	80			Ox	Wet		
NP048 SRAT	8.9	10	280		150	110	Total count gamma
	80			Ox	Wet		
NP048 SRAT	10	10.6	160		130	110	Total count gamma
	80			Ox	Wet	sandy	
NP049 SRAT	0	1	260		80	80	Total count gamma
	90			Ox	Dry	5	
NP049 SRAT	1	1.5	220		80	80	Total count gamma
				Ox	Dry	10	
NP049 SRAT	1.5	2	190		75	75	Total count gamma
				Ox	Dry	20	
NP049 SRAT	2	2.5	170		85	80	Total count gamma
	60			Ox	Dry	10	
NP049 SRAT	2.5	3	260		90	80	Total count gamma
	60			Ox	Dry	10	
NP049	3	3.5	160		420	80	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	60			Ox	Dry		
NP049 SRAT	3.5	4	220		690	80	Total count gamma
	60			Ox	Dry		
NP049 SRAT	4	4.5	250		600	80	Total count gamma
	60	Y		Ox	Dry	sandy	30
NP049 SRAT	4.5	5	330		560	80	Total count gamma
	60			Ox	Dry		
NP049 SRAT	5	5.5	310		500	80	Total count gamma
	60	Y	Y	Ox	Dry		
NP049 SRAT	5.5	6	200		900	80	Total count gamma
	60	Y		Re	Wet	2nd U common	
NP049 SRAT	6	6.5	320		290	80	Total count gamma
	60			Re	Wet		20
NP049 SRAT	6.5	7.2	260		180	80	Total count gamma
	20		Y	Re	Wet	carbonaceous sand	60
NP049 SRAT	7.2	7.6	150		160	80	Total count gamma
	50			Ox	Wet		30
NP049 SRAT	7.6	8.1	180		120	80	Total count gamma
	60			Ox	Wet		10
NP049 SRAT	8.1	8.5	150		140	80	Total count gamma
	70			Ox	Wet		
NP049 SRAT	8.5	9	210		160	80	Total count gamma
	75			Ox	Wet		
NP049 SRAT	9	9.7	190		310	80	Total count gamma
	75			Ox	Wet		
NP049 SRAT	9.7	10	20		120	80	Total count gamma
	50			Ox	Wet	sandy(reworked?) basement	
NP050 SRAT	0	1	390		95	80	Total count gamma
				Ox	Dry		
NP050 SRAT	1	1.5	200		180	80	Total count gamma
				Ox	Dry	20	
NP050 SRAT	1.5	2	220		130	80	Total count gamma
				Ox	Dry	30	
NP050	2	2.5	140		100	80	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT							
				Ox	Dry	15	
NP050 SRAT	2.5	3	220		250	80	Total count gamma
	60			Ox	Dry	10	
NP050 SRAT	3	3.5	260		1000	80	Total count gamma
	60			Ox	Dry	10	
NP050 SRAT	3.5	4	110		600	80	Total count gamma
	60			Ox	Dry	5	
NP050 SRAT	4	4.5	200		450	80	Total count gamma
	60			Ox	Damp	5	
NP050 SRAT	4.5	5	230		450	80	Total count gamma
	60			Ox	Damp	5	
NP050 SRAT	5	5.5	250		380	80	Total count gamma
	60			Ox	Damp		
NP050 SRAT	5.5	6	190		460	80	Total count gamma
	60			Ox	Wet		
NP050 SRAT	6	6.5	290		300	80	Total count gamma
	60		Y	Re	Wet	30	
NP050 SRAT	6.5	7	260		1150	100	Total count gamma
	60		Y	Re	Wet	common carbon	
NP050 SRAT	7	7.4	150		380	100	Total count gamma
	30		Y	Re	Wet	60 common carbon	
NP050 SRAT	7.4	7.9	180		220	100	Total count gamma
	50		Y	Re	Wet	50 minor carbon	
NP050 SRAT	7.9	8.5	210		150	100	Total count gamma
	60			Ox	Wet	20	
NP050 SRAT	8.5	9	140		150	100	Total count gamma
	80			Ox	Wet		
NP050 SRAT	9	9.5	80		130	100	Total count gamma
	80			Ox	Wet		
NP050 SRAT	9.5	10	100		130	100	Total count gamma
	80			Ox	Wet		
NP051 SRAT	0	1	260		85	80	Total count gamma
				Ox	Dry	10	
NP051	1	1.5	160		110	80	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT							
				Ox	Dry		
NP051 SRAT	1.5	2	160		160	80 20	Total count gamma
				Ox	Dry		
NP051 SRAT	2	2.5	90		125	80 20	Total count gamma
				Ox	Dry		
NP051 SRAT	2.5	3	140		100	80 15	Total count gamma
	60			Ox	Dry		weights understated
NP051 SRAT	3	3.5	150		160	80 10	Total count gamma
	60			Ox	Dry		
NP051 SRAT	3.5	4	140		150	80 5	Total count gamma
	60			Ox	Dry		
NP051 SRAT	4	4.5	180		500	80 5	Total count gamma
	60			Ox	Damp		
NP051 SRAT	4.5	5	330		800	80	Total count gamma
	60			Ox	Damp		
NP051 SRAT	5	5.5	250		620	80	Total count gamma
	60			Ox	Damp		
NP051 SRAT	5.5	6	150		450	80	Total count gamma
	60			Re	Wet		
NP051 SRAT	6	6.5	230		150	90	Total count gamma
	30		Y	Re	Wet		70 very carb sand
NP051 SRAT	6.5	7	80		420	90	Total count gamma
	60		Y	Re	Wet		20
NP051 SRAT	7	7.5	110		500	95	Total count gamma
	50		Y	Re	Wet		40
NP051 SRAT	7.5	8	80		150	95	Total count gamma
	30		Y	Re	Wet		70
NP051 SRAT	8	8.5	100		150	95	Total count gamma
	70		Y	Re	Wet		
NP051 SRAT	8.5	9	250		130	95	Total count gamma
	80			Re	Wet		
NP051 SRAT	9	9.7	100		120	90	Total count gamma
	80			Ox	Wet		
NP051	9.7	10	70		100	95	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	80			Ox	Wet		
NP052 SRAT	0	1	200		85	90	Total count gamma
				Ox	Dry	5	
NP052 SRAT	1	1.5	130		100	10	Total count gamma
				Ox	Dry		
NP052 SRAT	1.5	2	210		100	30	Total count gamma
				Ox	Dry		
NP052 SRAT	2	2.5	220		130	20	Total count gamma
		Y		Ox	Dry	2nd u pellets	
NP052 SRAT	2.5	3	170		110	10	Total count gamma
				Ox	Dry		
NP052 SRAT	3	3.5	220		210	5	Total count gamma
	60			Ox	Dry		
NP052 SRAT	3.5	4	150		400	5	Total count gamma
	60			Ox	Dry		
NP052 SRAT	4	4.5	160		1000	5	Total count gamma
	60			Ox	Damp		
NP052 SRAT	4.5	5	270		1100		Total count gamma
	60			Ox	Damp	30	
NP052 SRAT	5	5.5	110		1500		Total count gamma
	60			Ox	Wet	30	
NP052 SRAT	5.5	6	150		1300		Total count gamma
	60		Y	Ox	Wet	30	
NP052 SRAT	6	6.5	180		200		Total count gamma
	60		Y	Ox	Wet	40	
NP052 SRAT	6.5	7	110		180		Total count gamma
	60			Re	Wet		
NP052 SRAT	7	7.5	90		140		Total count gamma
	60			Ox	Wet	20	
NP052 SRAT	7.5	8	270		180		Total count gamma
	80			Ox	Wet	mottled clay	
NP052 SRAT	8	8.5	140		200		Total count gamma
	80			Ox	Wet		
NP052	8.5	9.8	340		130		Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	80			Ox	Wet		
NP052 SRAT	9.8	10.3	70		100		Total count gamma
	70			Ox	Wet		
NP053 SRAT	0	1	230		75	75	Total count gamma
	70			Ox	Dry	5	
NP053 SRAT	1	1.5	200		80	75	Total count gamma
				Ox	Dry	30	
NP053 SRAT	1.5	2	230		120	75	Total count gamma
				Ox	Dry	30	
NP053 SRAT	2	2.5	170		125	75	Total count gamma
				Ox	Dry	5	2nd u pellet
NP053 SRAT	2.5	3	220		530	75	Total count gamma
		Y		Ox	Dry		
NP053 SRAT	3	3.5	190		1600	75	Total count gamma
	60			Ox	Dry		
NP053 SRAT	3.5	4	240		600	75	Total count gamma
	60			Ox	Dry		
NP053 SRAT	4	4.5	280		550	80	Total count gamma
	60		Y	Re	Dry		
NP053 SRAT	4.5	5	220		650	80	Total count gamma
	60		Y	Re	Dry		
NP053 SRAT	5	5.5	140		500	80	Total count gamma
	60			Re	Wet		
NP053 SRAT	5.5	6	230		500	80	Total count gamma
	60			Ox	Wet		
NP053 SRAT	6	6.5	170		300	80	Total count gamma
	60			Ox	Wet		
NP053 SRAT	6.5	7	230		300	80	Total count gamma
	60			Ox	Wet		
NP053 SRAT	7	7.3	90		1300	80	Total count gamma
	20	Y		Ox	Wet	"sand, loose"	80
NP053 SRAT	7.3	7.8	60		300	80	Total count gamma
	40			Ox	Wet	sandy	60
NP053	7.8	8.4	180		300	80	Total count gamma



# Appendix 4. Drill Geology\_ 2006

SRAT	80			Ox	Wet		
NP053 SRAT	8.4	9.4	440		200	80	Total count gamma
	80			Ox	Wet		
NP053 SRAT	9.4	9.6	130		150	80	Total count gamma
				Ox	Wet		
NP054 SRAT	0	1	230		75	75	Total count gamma
	90			Ox	Dry	5	
NP054 SRAT	1	1.5	120		75	75	Total count gamma
				Ox	Dry	30	
NP054 SRAT	1.5	2	140		70	70	Total count gamma
				Ox	Dry	30	
NP054 SRAT	2	2.5	160		70	70	Total count gamma
				Ox	Dry	30	
NP054 SRAT	2.5	3	140		70	70	Total count gamma
				Ox	Dry	25	
NP054 SRAT	3	3.5	270		70	70	Total count gamma
	50			Ox	Dry	70	mostly sand
NP054 SRAT	3.5	4	330		120	70	Total count gamma
	60	Y		Ox	Damp		clay
NP054 SRAT	4	4.5	250		950	70	Total count gamma
	10	Y		Ox	Damp	10	80
NP054 SRAT	4.5	5	320		1300	70	Total count gamma
	20		Y	Ox	Damp		70
NP054 SRAT	5	5.5	190		500	70	Total count gamma
	60		Y	Re	Wet		
NP054 SRAT	5.5	6	280		300	70	Total count gamma
	70		Y	Re	Wet		carbonaceous clay
NP054 SRAT	6	6.5	170		350	70	Total count gamma
	70			Re	Wet		
NP054 SRAT	6.5	7	160		300	70	Total count gamma
	70			Ox	Wet		20
NP054 SRAT	7	7.5	260		300	70	Total count gamma
	70			Ox	Wet		
NP054	7.5	8	190		160	70	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	60			Ox	Wet	sandy	20
NP054 SRAT	8	8.5	510		190	70	Total count gamma
	70			Ox	Wet		
NP054 SRAT	8.5	9.5	160		130	70	Total count gamma
	80			Ox	Wet		
NP054 SRAT	9.5	10.2	70		130	70	Total count gamma
	80			Ox	Wet	sandy slush	
NP055 SRAT	0	1	210		70	70	Total count gamma
	90			Ox	Dry	10	
NP055 SRAT	1	1.5	130		70	70	Total count gamma
				Ox	Dry	35	
NP055 SRAT	1.5	2	140		80	70	Total count gamma
				Ox	Dry	35	
NP055 SRAT	2	2.5	320		75	70	Total count gamma
				Ox	Dry	30	
NP055 SRAT	2.5	3	330		80	70	Total count gamma
				Ox	Dry	30	
NP055 SRAT	3	3.5	250		200	70	Total count gamma
	20			Ox	Dry	10	60
NP055 SRAT	3.5	4	310		1600	70	Total count gamma
	20			Ox	Damp		60
NP055 SRAT	4	4.5	290		2100	70	Total count gamma
	20	Y		Ox	Dry	80	lumpy 2nd U
NP055 SRAT	4.5	5	320		2500	170	Total count gamma
	20	Y		Ox	Wet	80	abund 2nd U
NP055 SRAT	5	5.5	250		1200	150	Total count gamma
	40			Ox	Wet	50	
NP055 SRAT	5.5	6	180		1100	120	Total count gamma
	60	Y		Re	Wet	30	carbonaceous clay
NP055 SRAT	6	6.5	150		400	100	Total count gamma
	60			Re	Wet	30	
NP055 SRAT	6.5	7	180		650	100	Total count gamma
	60	Y		Ox	Wet	20	lumpy 2nd U
NP055	7	7.5	150		320	100	Total count gamma

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SRAT	50			Ox	Wet	sandy	40	
NP055 SRAT	7.5	8.1	270		250	100	Total count gamma	10
	75			Ox	Wet			
NP055 SRAT	8.1	8.7	230		210	100	Total count gamma	
	80			Ox	Wet	2 runs		
NP055 SRAT	8.7	9.2	210		200	100	Total count gamma	
	80			Ox	Wet	2 runs		
NP055 SRAT	9.2	10.4	190		170	95	Total count gamma	
	80			Ox	Wet			
NP056 SRAT	0	1	230		75	70	Total count gamma	
	90			Ox	Dry	10		
NP056 SRAT	1	2	410		80	70	Total count gamma	
				Ox	Dry	29	1.5-2.0 in with 1-1.5	
NP056 SRAT	2	2.5	210		600	70	Total count gamma	
				Ox	Dry	30	this is 2-2.5	
NP056 SRAT	2.5	3					Total count gamma	
				Ox	Dry	30		
NP056 SRAT	3	3.5	210		2000	80	Total count gamma	
		Y		Ox	Dry	40	2nd U on calcrete	
NP056 SRAT	3.5	4	170		2700	80	Total count gamma	
		Y		Ox	Dry	35	2nd U on calcrete (abundant)	
NP056 SRAT	4	4.5	170		2600	80	Total count gamma	
		Y		Ox	Wet	60	calcrete blocky	
NP056 SRAT	4.5	5	230		2150	80	Total count gamma	
	60			Ox	Wet	40	grinding on calcrete	
NP056 SRAT	5	5.5	340		1100	80	Total count gamma	
	70		Y	Re	Wet	20		
NP056 SRAT	5.5	6	230		900	80	Total count gamma	
	60		Y	Re	Wet	20	carbonaceous clay	GA
NP056 SRAT	6	6.5	230		1600	80	Total count gamma	
	60	Y	Y	Re	Wet	10	carbonaceous clay	
NP056 SRAT	6.5	7	270		940	80	Total count gamma	
	70			Re	Wet			
NP056	7	7.5	400		970	90	Total count gamma	

# Appendix 4. Drill Geology\_ 2006

SRAT	70			Ox	wet	(silcrete fall down?)	
NP056 SRAT	7.5	8	300		760	90	Total count gamma
	70			Ox	wet		
NP056 SRAT	8	8.5	380		380	90	Total count gamma
	80			Ox	wet		
NP056 SRAT	8.5	9	270		230	90	Total count gamma
	80			Ox	wet		
NP056 SRAT	9	9.5	400		150	90	Total count gamma
	80			Ox	wet	sandy	20
NP056 SRAT	9.5	10	260		180	90	Total count gamma
	70			Ox	wet		20
NP056 SRAT	10	10.4	380		150	90	Total count gamma
		Y		Ox	wet	+ contamin: calcr	
NP057 SRAT	0	1	370		80	75	Total count gamma
				Ox	Dry	6	
NP057 SRAT	1	1.5	170		85	75	Total count gamma
				Ox	Dry	30	
NP057 SRAT	1.5	2	80				Total count gamma
				Ox	Dry	25	
NP057 SRAT	2	2.5	160		80	75	Total count gamma
				Ox	Dry	15	
NP057 SRAT	2.5	3	240		90	75	Total count gamma
	20			Ox	Dry	20	70
NP057 SRAT	3	3.5	260		145	80	Total count gamma
	20			Ox	Dry		80
NP057 SRAT	3.5	4	260		150	80	Total count gamma
	20			Ox	Damp		80
NP057 SRAT	4	4.5	250		100	80	Total count gamma
	20			Ox	Damp		80
NP057 SRAT	4.5	5	310		1200	80	Total count gamma
	40			Ox	wet		60
NP057 SRAT	5	5.5	230		2500	80	Total count gamma
	50			Ox	wet		50
NP057	5.5	6	120		2000	80	Total count gamma

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SRAT	60			Ox	Wet	20	
NP057 SRAT	6	6.5	200		600	80	Total count gamma 35
	60			Ox	Wet		
NP057 SRAT	6.5	7	200		250	80	Total count gamma
	60			Ox	Wet		
NP057 SRAT	7	7.5	160		350	80	Total count gamma
	60			Ox	Wet		minor red br
NP057 SRAT	7.5	8.2	280		260	80	Total count gamma
	80			Ox	Wet		2 runs
NP057 SRAT	8.2	8.8	180		120	80	Total count gamma
	80			Ox	Wet		
NP057 SRAT	8.8	9.1	130		130	80	Total count gamma
	80			Ox	Wet		
NP057 SRAT	9.1	10.1	170		120	80	Total count gamma
	70			Ox	Wet		
NP058 SRAT	0	1	230		70	70	Total count gamma
	80			Ox	Dry	5	
NP058 SRAT	1	1.5	130		70	70	Total count gamma
				Ox	Dry	30	
NP058 SRAT	1.5	2	170		75	70	Total count gamma
				Ox	Dry	35	
NP058 SRAT	2	2.5	180		70	70	Total count gamma
				Ox	Dry	30	
NP058 SRAT	2.5	3	250		70	70	Total count gamma
	20			Ox	Dry	30	80
NP058 SRAT	3	3.5	200		85	70	Total count gamma
	20			Ox	Dry	5	80
NP058 SRAT	3.5	4	200		320	70	Total count gamma
	20			Ox	Damp		70
NP058 SRAT	4	4.5	260		470	70	Total count gamma
	60			Ox	Wet		20
NP058 SRAT	4.5	5	250		1000	70	Total count gamma
	60			Ox	Wet		
NP058	5	5.5	150		820	70	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	60		Y	Ox	Wet		
NP058 SRAT	5.5	6	300		600	70	Total count gamma
	60			Ox	Wet		
NP058 SRAT	6	6.5	240		500	70	Total count gamma
	60			Ox	Wet		
NP058 SRAT	6.5	7	260		740	70	Total count gamma
	60			Ox	Wet		
NP058 SRAT	7	7.5	230		200	70	Total count gamma
	60			Ox	Wet		
NP058 SRAT	7.5	8	350		150	70	Total count gamma
	70			Ox	Wet		
NP058 SRAT	8	9	200		200	70	Total count gamma
	80			Ox	Wet		
NP058 SRAT	9	9.6	190		130	70	Total count gamma
	80			Ox	Wet		
NP058 SRAT	9.6	10.3	190		120	70	Total count gamma
	80			Ox	Wet		
NP059 SRAT	0	1	190		65	65	Total count gamma
	80			Ox	Dry	5	
NP059 SRAT	1	1.5	200		70	65	Total count gamma
				Ox	Dry	30	
NP059 SRAT	1.5	2	170		70	65	Total count gamma
				Ox	Dry	30	
NP059 SRAT	2	2.5	260		70	65	Total count gamma
				Ox	Dry	10	80
NP059 SRAT	2.5	3	190		70	65	Total count gamma
				Ox	Dry	10	80
NP059 SRAT	3	3.5	310		80	65	Total count gamma
				Ox	Dry	10	70
NP059 SRAT	3.5	4	220		150	70	Total count gamma
				Ox	Damp	10	70
NP059 SRAT	4	4.5	200		770	70	Total count gamma
				Ox	Wet		50
NP059	4.5	5	370		480	70	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT							
				Ox	wet	60 (big sample)	
NP059 SRAT	5	5.5	220		420	70	Total count gamma
				Ox	wet		
NP059 SRAT	5.5	6	200		350	70	Total count gamma
			Y	Ox	wet	40	
NP059 SRAT	6	6.8	320		1200	70	Total count gamma
				Ox	wet		
NP059 SRAT	6.8	7.2	130		800	70	Total count gamma
				Ox	wet		
NP059 SRAT	7.2	7.5	40		200	70	Total count gamma
				Ox	wet		
NP059 SRAT	7.5	8	310		170	70	Total count gamma
				Ox	wet		
NP059 SRAT	8	9	280				Total count gamma
				Ox	wet		
NP059 SRAT	9	10.1	280		280		Total count gamma
				Ox	wet	(big sample)	
NP060 SRAT	0 80	1	230		70	60 10	Total count gamma
				Ox	Dry		
NP060 SRAT	1	1.5	140		75	65 30	Total count gamma
				Ox	Dry		
NP060 SRAT	1.5	2	140		80	65 30	Total count gamma
				Ox	Dry		
NP060 SRAT	2	2.5	140		80	65 30	Total count gamma
				Ox	Dry		
NP060 SRAT	2.5	3	380		80	65 20	Total count gamma
				Ox	Dry		
NP060 SRAT	3	3.5	160		140	70 10	Total count gamma
	20			Ox	Dry	20	
NP060 SRAT	3.5	4	230		410	70	Total count gamma
	30			Ox	Damp	30	
NP060 SRAT	4	4.5	110		750	70 10	Total count gamma
	60			Ox	wet	grinding	60
NP060	4.5	5	310		550	70	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	70			Ox	wet	(dry) clay	70		
NP060 SRAT	5	5.5	230		1300	70	Total count gamma		
	70	Y		Ox	wet	(dry)	70		
NP060 SRAT	5.5	5.9	130		900	70	Total count gamma		
	60			Ox	wet		60		
NP060 SRAT	5.9	6.1	80		270	70	Total count gamma		
	60			Ox	wet	small sample	60		
NP060 SRAT	6.1	6.5	450		550	70	Total count gamma		
	60			Ox	wet	big sample	60		
NP060 SRAT	6.5	7.2	310		190	70	Total count gamma		
	80			Ox	wet		80		
NP060 SRAT	7.2	8.6	260		190	70	Total count gamma		
	80			Ox	wet		80		
NP060 SRAT	8.6	9.2	240		250	70	Total count gamma		
	80			Ox	wet		80		
NP060 SRAT	9.2	9.8	150		200	70	Total count gamma		
	80			Ox	wet		80		
NP060 SRAT	9.8	10.3	120		150	70	Total count gamma		
	80			Ox	wet		80		
NP061 SRAT	0	1	190		70	70	Total count gamma		
	80			Ox	Dry	10			
NP061 SRAT	1	1.5	180		70	70	Total count gamma		
				Ox	Dry	20			
NP061 SRAT	1.5	2	130		70	70	Total count gamma		
				Ox	Dry	25			
NP061 SRAT	2	2.5	160		70	70	Total count gamma		
				Ox	Dry	20			
NP061 SRAT	2.5	3	200		80	70	Total count gamma		
				Ox	Dry	10			
NP061 SRAT	3	3.5	230		150	70	Total count gamma		
	30			Ox	Damp	5	30		
NP061 SRAT	3.5	4	220		700	70	Total count gamma		
	50			Ox	Damp		50		
NP061	4	4.5	240		380	70	Total count gamma		



# Appendix 4. Drill Geology\_ 2006

SRAT	50			Ox	Damp	50	
NP061 SRAT	4.5	5	250		400	70	Total count gamma 60
	60			Ox	Damp		
NP061 SRAT	5	5.5	180		620	70	Total count gamma 60
	60		Y	Re	Wet		GA 3
NP061 SRAT	5.5	6	160		350	70	Total count gamma 60
	60		Y	Re	Wet		v-carb seams
NP061 SRAT	6	6.6	310		200	70	Total count gamma 60
	60			Re	Wet		
NP061 SRAT	6.6	7	110		290	70	Total count gamma 60
	60			Ox	Wet		
NP061 SRAT	7	7.5	90		200	70	Total count gamma 60
	60			Ox	Wet		
NP061 SRAT	7.5	8	220		150	70	Total count gamma 75
	75			Ox	Wet		
NP061 SRAT	8	8.5	120		130	70	Total count gamma 75
	75			Ox	Wet		
NP061 SRAT	8.5	8.9	100		130	70	Total count gamma 70
	70			Ox	Wet	2 runs	
NP061 SRAT	8.9	9.8	280		120	70	Total count gamma 70
	70			Ox	Wet		
NP061 SRAT	9.8	10.2	110		120	70	Total count gamma 70
	70			Ox	Wet		
NP062 SRAT	0	1	240		75	70	Total count gamma 5
	80			Ox	Dry		
NP062 SRAT	1	1.5	130			30	Total count gamma
				Ox	Dry		
NP062 SRAT	1.5	2	120		70	70	Total count gamma 35
				Ox	Dry		
NP062 SRAT	2	2.5	120		70	70	Total count gamma 30
				Ox	Dry		
NP062 SRAT	2.5	3	410		900	70	Total count gamma 10
				Ox	Dry		white calcrete + sand
NP062	3	3.5	250		300	70	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	40			Ox	Dry	5	50	
NP062 SRAT	3.5	4	170		310	70	Total count gamma	50
	40			Ox	Dry			
NP062 SRAT	4	4.5	210		300	70	Total count gamma	70
	30			Ox	Damp			
NP062 SRAT	4.5	5	340		350	70	Total count gamma	50
	40			Ox	Damp	10		
NP062 SRAT	5	5.5	180		310	70	Total count gamma	
	60			Ox	Wet			
NP062 SRAT	5.5	6	210		700	70	Total count gamma	
	60	Y	Y	Re	Wet			
NP062 SRAT	6	6.5	190		450	70	Total count gamma	
			Y	Re	Wet			
NP062 SRAT	6.5	7	350		250	70	Total count gamma	
			Y	Re	Wet			
NP062 SRAT	7	7.6	180		900	80	Total count gamma	15
	60	Y		Re	Wet	2nd U in sand		
NP062 SRAT	7.6	8.3	130		160	75	Total count gamma	
	80			Re	Wet			
NP062 SRAT	8.3	8.7	250		170	80	Total count gamma	
	80			Re	Wet			
NP062 SRAT	8.7	9.5	270		140	80	Total count gamma	
	80			Re	Wet			
NP062 SRAT	9.5	10.4	340		140	80	Total count gamma	
				Re	Wet			
NP063 SRAT	0	1	400		75	70	Total count gamma	10
	80			Ox	Dry			
NP063 SRAT	1	1.5	250		70	70	Total count gamma	20
				Ox	Dry			
NP063 SRAT	1.5	2	80		70	70	Total count gamma	10
				Ox	Dry			
NP063 SRAT	2	2.5	90		75	70	Total count gamma	15
				Ox	Dry	sst		
NP063	2.5	3	170		180	70	Total count gamma	

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SRAT				Ox	Dry		
NP063 SRAT	3	3.5	220		350	70	Total count gamma
				Ox	Dry		
NP063 SRAT	3.5	4	160		2160	70	Total count gamma
	50	Y		Ox	Dry	10	2nd U on calcrete
NP063 SRAT	4	4.5	200		3500	70	Total count gamma
	50	Y		Ox	Damp	35	2nd U common
NP063 SRAT	4.5	5	310		3000	70	Total count gamma
	50	Y		Ox	wet	45	2nd U (rare)
NP063 SRAT	5	5.5	180		1050	70	Total count gamma
	60	Y		Ox	wet	20	
NP063 SRAT	5.5	6	190		3000	70	Total count gamma
	60	Y		Ox	wet	5	2nd U
NP063 SRAT	6	6.5	190		1050	70	Total count gamma
	60			Ox	wet		
NP063 SRAT	6.5	7	200		600	70	Total count gamma
	60			Ox	wet		mottled grgy and red brown
NP063 SRAT	7	7.8	490		470	70	Total count gamma
	70			Ox	wet		
NP063 SRAT	7.8	8.3	270		250	70	Total count gamma
	80			Ox	wet		big sample
NP063 SRAT	8.3	9	330		180	70	Total count gamma
	80			Ox	wet		
NP063 SRAT	9	9.9	190		190	70	Total count gamma
	80			Ox	wet		
NP064 SRAT	0	1	260		70	70	Total count gamma
	80			Ox	Dry	5	
NP064 SRAT	1	1.5	170		80	70	Total count gamma
				Ox	Dry	20	
NP064 SRAT	1.5	2	190		85	70	Total count gamma
				Ox	Dry	30	
NP064 SRAT	2	2.5	280		80	70	Total count gamma
				Ox	Dry	20	
NP064	2.5	3	360		350	70	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT				Ox	Dry	25	white calcrete layer
NP064 SRAT	3	3.5	230		950	70	Total count gamma
	25			Ox	Dry	70	
NP064 SRAT	3.5	4	190		900	70	Total count gamma
	35			Ox	Dry	10 50	white calcrete layer
NP064 SRAT	4	4.5	190		620	70	Total count gamma
	50			Ox	Dry	30	
NP064 SRAT	4.5	5	190		420	70	Total count gamma
	60			Ox	Dry		
NP064 SRAT	5	5.5	280		380	70	Total count gamma
	60			Ox	Wet		
NP064 SRAT	5.5	6	270		900	70	Total count gamma
	70		Y	Re	Wet		
NP064 SRAT	6	6.5	260		550	70	Total count gamma
	70		Y	Re	Wet		
NP064 SRAT	6.5	6.9	280		400	70	Total count gamma
	70		Y	Re	Wet		carb clay
NP064 SRAT	6.9	7.5	330		300	70	Total count gamma
	70			Re	Wet		some pink br clay
NP064 SRAT	7.5	8.4	390		240	70	Total count gamma
	80			Ox	Wet		
NP064 SRAT	8.4	9	340		200	70	Total count gamma
	80			Ox	Wet		
NP064 SRAT	9	9.5	300		160	70	Total count gamma
	80			Ox	Wet		
NP064 SRAT	9.5	10.2	400		170	70	Total count gamma
	80			Ox	Wet		
NP065 SRAT	0	1	240		95	65 60	Total count gamma
				Ox	Dry	30	
NP065 SRAT	1	1.5	140		170	65 90	Total count gamma
				Ox	Dry		
NP065 SRAT	1.5	2	130			90	Total count gamma
				Ox	Dry		
NP065	2	2.5	270		120	65	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	20			Ox	Dry	40	40
NP065 SRAT	2.5	3	240		220	65	Total count gamma
	40			Ox	Dry	10	60
NP065 SRAT	3	3.5	370		950	80	Total count gamma
	60	Y		Ox	Dry	40	2nd u on calcrete
NP065 SRAT	3.5	4	180		400	80	Total count gamma
	60			Ox	Dry		
NP065 SRAT	4	4.5	130		1150	80	Total count gamma
	60			Ox	Dry		
NP065 SRAT	4.5	5	300		800	80	Total count gamma
	30			Ox	Damp		60
NP065 SRAT	5	5.5	250		1200	80	Total count gamma
	50			Ox	Wet		50
NP065 SRAT	5.5	6	220		1440	80	Total count gamma
	60			Ox	Wet		
NP065 SRAT	6	6.5	360		680	80	Total count gamma
	60			Ox	Wet		
NP065 SRAT	6.5	7	180		540	80	Total count gamma
	60			Ox	Wet		
NP065 SRAT	7	7.6	250		400	80	Total count gamma
	60			Ox	Wet		mottled
NP065 SRAT	7.6	8	180		220	80	Total count gamma
	70			Ox	Wet		
NP065 SRAT	8	8.6	200		200	80	Total count gamma
	80			Ox	Wet		
NP065 SRAT	8.6	9	310		200	80	Total count gamma
	80			Ox	Wet		
NP065 SRAT	9	9.6	140		210	80	Total count gamma
	80			Ox	Wet		
NP065 SRAT	9.6	10	120		180	80	Total count gamma
	80			Ox	Wet		
NP066 SRAT	0	1	370		75	75	Total count gamma
	80			Ox	Dry	5	
NP066	1	1.5	200		75	75	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT							
				Ox	Dry		
NP066 SRAT	1.5	2	170		75	75 25	Total count gamma
				Ox	Dry		
NP066 SRAT	2	2.5	200		75	75 10	Total count gamma
				Ox	Dry		80
NP066 SRAT	2.5	3	280		75	75	Total count gamma
				Ox	Dry	all sand	80
NP066 SRAT	3	3.5	320		150	75	Total count gamma
				Ox	Dry	all sand	80
NP066 SRAT	3.5	4	250		420	75	Total count gamma
				Ox	Dry	all sand	80
NP066 SRAT	4	4.5	230		300	75	Total count gamma
	40			Ox	Damp	all sand	60
NP066 SRAT	4.5	5	250		300	80	Total count gamma
	20			Ox	Damp		70
NP066 SRAT	5	5.5	250		900	80	Total count gamma
	30			Ox	wet		60
NP066 SRAT	5.5	6	200		480	80	Total count gamma
	50		Y	Re	wet		50
NP066 SRAT	6	6.2	250		700	80	Total count gamma
	60		Y	Re	wet	carbonaceous clay	15
NP066 SRAT	6.2	6.6	320		320	80	Total count gamma
	60			Re	wet	very compact	
NP066 SRAT	6.6	7.5	260		200	80	Total count gamma
	60			Ox	wet		
NP066 SRAT	7.5	8	110		140	80	Total count gamma
	70			Ox	wet	"mottled, small sample"	
NP066 SRAT	8	8.7	600		150	80	Total count gamma
	80			Ox	wet		
NP066 SRAT	9.2	10.2	360		160	80	Total count gamma
	80			Ox	wet	big sample	
NP067 SRAT	0	1	300		70	70	Total count gamma
	70			Ox	Dry	massive calcrete	25
NP067	1	1.5	220		75	70	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT							
				Ox	Dry	60	massive calcrete
NP067	1.5	2	180		75	65	Total count gamma
SRAT				Ox	Dry	60	
NP067	2	2.5	300		70	65	Total count gamma
SRAT				Ox	Dry	60	
NP067	2.5	3	180		70	65	Total count gamma
SRAT				Ox	Dry	30	60
NP067	3	3.5	310		70	65	Total count gamma
SRAT	60			Ox	Dry		30
NP067	3.5	4	170		200	65	Total count gamma
SRAT				Ox	Dry		80
NP067	4	4.5	260		730	65	Total count gamma
SRAT				Ox	Dry		80
NP067	4.5	5	300		300	65	Total count gamma
SRAT	60			Ox	Damp		30
NP067	5	5.5	190		350	65	Total count gamma
SRAT	50			Ox	wet		50
NP067	5.5	6	230		500	65	Total count gamma
SRAT	50			Ox	wet		50
NP067	6	6.5	200		500	65	Total count gamma
SRAT	50		Y	Re	wet		50 carb sand/clay
NP067	6.5	7	260		370	65	Total count gamma
SRAT	50		Y	Re	wet		50
NP067	7	7.5	170		420	65	Total count gamma
SRAT	60		Y	Re	wet		40
NP067	7.5	8.2	360		280	65	Total count gamma
SRAT	80			Re	wet		mottled
NP067	8.2	8.5	170		150	65	Total count gamma
SRAT	80			Ox	wet		
NP067	8.5	8.8	260		140	65	Total count gamma
SRAT	80			Ox	wet		
NP067	8.8	10.1	170		160	65	Total count gamma
SRAT	80			Ox	wet		
NP067	9.5	10.3	300		220	65	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	80			Ox	Wet		
NP068 SRAT	0 80	1	300		70	65 5	Total count gamma
				Ox	Dry		
NP068 SRAT	1	1.5	160		75	65 10	Total count gamma
				Ox	Dry		
NP068 SRAT	1.5	2	180		70	65 15	Total count gamma
				Ox	Dry		
NP068 SRAT	2	2.5	170		70	65 10	Total count gamma
	30			Ox	Dry		60
NP068 SRAT	2.5	3	210		80	65	Total count gamma
	40			Ox	Dry		50
NP068 SRAT	3	3.5	240		85	65	Total count gamma
	30			Ox	Damp		60
NP068 SRAT	3.5	4	180		750	65	Total count gamma
	25			Ox	Damp		70
NP068 SRAT	4	4.5	220		2300	65	Total count gamma
	50			Ox	Damp		50
NP068 SRAT	4.5	5	50		2000	65	Total count gamma
	40			Ox	wet		60 small sample?
NP068 SRAT	5	5.5	210		680	65	Total count gamma
	60			Ox	wet		40
NP068 SRAT	5.5	6	190		1000	65	Total count gamma
	60		Y	Re	wet		30
NP068 SRAT	6	6.5	330		480	75	Total count gamma
	60		Y	Re	wet		30
NP068 SRAT	6.5	7	220		350	75	Total count gamma
	60		Y	Re	wet		
NP068 SRAT	7	7.3	140		280	75	Total count gamma
	60			Ox	wet		mottled (or mixed with crap from
7-7.5) NP068 SRAT	7.3	8	490		200	75	Total count gamma
	70			Ox	wet		
NP068 SRAT	8	8.5	260		180	75	Total count gamma
	80			Ox	wet		
NP068	8.5	9.9	240		200	80	Total count gamma



# Appendix 4. Drill Geology\_ 2006

SRAT	80			Ox	Wet		
NP069 SRAT	0 70	1	190		65	65 15	Total count gamma
				Ox	Dry		
NP069 SRAT	1	1.5	210		70	65 25	Total count gamma
				Ox	Dry		
NP069 SRAT	1.5	2	230		80	65 25	Total count gamma
				Ox	Dry		
NP069 SRAT	2	2.5	210		80	65 5	Total count gamma 60
				Ox	Dry		minor LtGrGy clay
NP069 SRAT	2.5	3	290		85	70	Total count gamma 50
	40			Ox	Dry		
NP069 SRAT	3	3.5	270		105	70	Total count gamma
	50			Ox	Dry		
NP069 SRAT	3.5	4	250		240	70	Total count gamma
	60			Ox	Damp		
NP069 SRAT	4	4.5	80		1360	70 10	Total count gamma 70
	20	Y		Ox	wet		"small sample, grinding"
NP069 SRAT	4.5	5	210		1050	70	Total count gamma
	60			Ox	wet		
NP069 SRAT	5	5.5	250		800	70	Total count gamma
	60		Y	Ox	wet		
NP069 SRAT	5.5	6	300		320	70	Total count gamma
	70		Y	Re	wet		carb clay
NP069 SRAT	6	6.5	370		500	70	Total count gamma
	60		Y	Re	wet		"carb clay, 2 runs"
NP069 SRAT	6.5	7	210		390	70	Total count gamma
	60		Y	Re	wet		carb clay
NP069 SRAT	7	7.4	280		300	70	Total count gamma
	70			Ox	Dry		
NP069 SRAT	7.4	8	310		200	70	Total count gamma
	80			Ox	wet		mixed/mottled
NP069 SRAT	8	8.5	210		170	65	Total count gamma
	80			Ox	wet		
NP069	8.5	9	130		150	65	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	80			Ox	wet	2 runs	
NP069 SRAT	9	9.3	20		120	65	Total count gamma
	80			Ox	wet	"hard/ low recy, 2 runs"	
NP070 SRAT	0	1	240		65	65	Total count gamma
				Ox	Dry	10	
NP070 SRAT	1	1.5	130		65	65	Total count gamma
				Ox	Dry	25	
NP070 SRAT	1.5	2	200		65	65	Total count gamma
				Ox	Dry	25	
NP070 SRAT	2	2.5	120		70	65	Total count gamma
				Ox	Dry	20	
NP070 SRAT	2.5	3	230		65	65	Total count gamma
				Ox	Dry	10	
NP070 SRAT	3	3.5	220		80	70	Total count gamma
	50			Ox	Dry		
NP070 SRAT	3.5	4	220		3700	70	Total count gamma
	30	Y		Ox	Damp	60	Abundant dissemin 2nd U
NP070 SRAT	4	4.5	270		700	70	Total count gamma
	20			Ox	wet	70	sand
NP070 SRAT	4.5	5	230		860	70	Total count gamma
	40			Ox	wet	50	silcrete layer
NP070 SRAT	5	5.5	220		600	70	Total count gamma
	30	Y		Ox	wet	60	
NP070 SRAT	5.5	6	200		340	70	Total count gamma
	40			Ox	wet	50	
NP070 SRAT	6	6.5	120		400	70	Total count gamma
	40			Ox	wet	50	
NP070 SRAT	6.5	7	230		1000	70	Total count gamma
	30		Y	Ox	wet	60	sl carb sand
NP070 SRAT	7	7.5	340		350	70	Total count gamma
	70			Ox	wet		compact clay
NP070 SRAT	7.5	8	240		240	70	Total count gamma
	80			Ox	wet		mottled or mixed on top
NP070	8	8.3	60		190	70	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	80			Ox	Wet		
NP070 SRAT	8.3	8.9	140		120	70	Total count gamma
	80			Ox	Wet		
NP070 SRAT	8.9	9.2	80		140	70	Total count gamma
	80			Ox	Wet		low recovery
NP071 SRAT	0	1	340		70	65	Total count gamma
	80			Ox	Dry	5	
NP071 SRAT	1	1.5	180		85	65	Total count gamma
				Ox	Dry	30	soft powdery
NP071 SRAT	1.5	2	160		100	65	Total count gamma
				Ox	Dry	30	clacrete
NP071 SRAT	2	2.5	160		170	70	Total count gamma
				Ox	Dry	30	
NP071 SRAT	2.5	3	190		100	70	Total count gamma
				Ox	Dry	10	70
NP071 SRAT	3	3.5	180		120	70	Total count gamma
	10			Ox	Dry		80
NP071 SRAT	3.5	4	260		140	70	Total count gamma
	15			Ox	Dry		80
NP071 SRAT	4	4.5	240		1200	70	Total count gamma
	50	Y		Ox	Wet		50
NP071 SRAT	4.5	5	310		1800	70	Total count gamma
	40	Y		Ox	Damp	10	50
NP071 SRAT	5	5.5	300		2100	70	Total count gamma
	40	Y		Ox	Wet		60
NP071 SRAT	5.5	6	210		530	70	Total count gamma
	30			Ox	Wet		70
NP071 SRAT	6	6.6	190		340	70	Total count gamma
	30			Ox	Wet		70
NP071 SRAT	6.6	7.1	240		170	70	Total count gamma
	50			Ox	Wet		50
NP071 SRAT	7.1	7.8	300		250	70	Total count gamma
	70			Ox	Wet		20
NP071	7.8	8.2	150		150	70	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	70			Ox	Wet		
NP071 SRAT	8.2	8.6	120		130	70	Total count gamma
	70			Ox	Wet		
NP071 SRAT	8.6	9	210		140	70	Total count gamma
	70			Ox	Wet	2 runs	
NP071 SRAT	9	9.6	450		150	70	Total count gamma
	70			Ox	Wet	2 runs	
NP071 SRAT	9.6	10.1	190		130	70	Total count gamma
	70			Ox	Wet	2 runs	
NP072 SRAT	0	1	250		70	65	Total count gamma
	60			Ox	Dry	15	
NP072 SRAT	1	1.5	130		90	70	Total count gamma
				Ox	Dry	25	
NP072 SRAT	1.5	2	150		80	70	Total count gamma
				Ox	Dry	30	
NP072 SRAT	2	2.5	360		70	70	Total count gamma
				Ox	Dry	25	
NP072 SRAT	2.5	3	210		85	70	Total count gamma
				Ox	Dry	10	
NP072 SRAT	3	3.5	260		90	70	Total count gamma
	10			Ox	Dry	80	
NP072 SRAT	3.5	4	290		180	70	Total count gamma
	30			Ox	Dry	50	
NP072 SRAT	4	4.5	280		760	70	Total count gamma
	50	Y		Ox	Damp	5	40
						2nd u on calcrete	
NP072 SRAT	4.5	5	320		850	70	Total count gamma
	50			Re	Damp	40	
NP072 SRAT	5	5.5	210		400	70	Total count gamma
	40			Ox	Damp	50	
NP072 SRAT	5.5	6	230		800	70	Total count gamma
	35			Ox	Wet	55	
NP072 SRAT	6	6.6	220		450	70	Total count gamma
	50			Ox	Wet	40	
NP072	6.6	7	220		300	70	Total count gamma

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SRAT	60			Ox	Wet	30	
NP072 SRAT	7	7.5	250		200	70	Total count gamma 40
	55			Ox	Wet		
NP072 SRAT	7.5	8	200		200	70	Total count gamma
	70			Ox	Wet		
NP072 SRAT	8	8.5	180		170	70	Total count gamma
	70			Ox	Wet		
NP072 SRAT	8.5	9	180		190	70	Total count gamma
	70			Ox	Wet		
NP072 SRAT	9	9.5	180		150	70	Total count gamma
	70			Ox	Wet		
NP072 SRAT	9.5	10.1	320		170	70	Total count gamma
	70			Ox	Wet		
NP073 SRAT	0	1	340		65	65	Total count gamma
	80			Ox	Dry	5	powdery calcrete
NP073 SRAT	1	1.5	190		65	65	Total count gamma
				Ox	Dry	15	
NP073 SRAT	1.5	2	170		65	65	Total count gamma
				Ox	Dry	15	
NP073 SRAT	2	2.5	140		65	65	Total count gamma
				Ox	Dry	10	
NP073 SRAT	2.5	3	200		65	65	Total count gamma
				Ox	Dry	20	
NP073 SRAT	3	3.5	190		65	65	Total count gamma
				Ox	Dry	30	rocky calcrete/silcrete;
grinding NP073 SRAT	3.5	4	250		95	65	Total count gamma
				Ox	Dry	35	rocky clacrete/silcrete;
grinding NP073 SRAT	4	4.5	350		250	70	Total count gamma
				Ox	Damp	10	80
						10% sst	
NP073 SRAT	4.5	5	280		250	70	Total count gamma
	35			Ox	Wet		54
NP073 SRAT	5	5.5	260		580	70	Total count gamma
	50	Y		Ox	Wet		40
NP073	5.5	6	220		440	70	Total count gamma

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SRAT	50		Y	Ox	Wet	30	
NP073 SRAT	6	6.5	240		370	70	Total count gamma 45
	50			Ox	Wet		
NP073 SRAT	6.5	6.8	130		190	70	Total count gamma
	50		Y	Ox	Wet		
NP073 SRAT	6.8	7.5	370		200	70	Total count gamma
	60		Y	Ox	Wet		
NP073 SRAT	7.5	8	240		190	70	Total count gamma
	70			Ox	Wet		
NP073 SRAT	8	8.5	260		150	70	Total count gamma
	70			Ox	Wet		
NP073 SRAT	8.5	9	270		120	70	Total count gamma
	70			Ox	Wet		
NP073 SRAT	9	9.5	230		120	70	Total count gamma
	70			Ox	Wet		
NP073 SRAT	9.5	10	100		130	70	Total count gamma
	70			Ox	Wet		"low recy, 2 runs, hard"
NP074 SRAT	0	1	230		65	65	Total count gamma
	60			Ox	Dry	15	
NP074 SRAT	1	1.5	200		65	65	Total count gamma
				Ox	Dry	55	rubbly 1~3
NP074 SRAT	1.5	2	140		65	65	Total count gamma
				Ox	Dry	55	black Mn stain
NP074 SRAT	2	2.5	120		65	65	Total count gamma
				Ox	Dry	35	black Mn stain
NP074 SRAT	2.5	3	310		65	65	Total count gamma
				Ox	Dry	30	70
NP074 SRAT	3	3.5	210		70	65	Total count gamma
				Ox	Dry		70
NP074 SRAT	3.5	4	240		70	65	Total count gamma
				Ox	Dry		80
NP074 SRAT	4	4.5	330		95	65	Total count gamma
				Ox	Dry		80
NP074	4.5	5	290		550	70	Total count gamma

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SRAT	20			Ox	Damp	80	
NP074 SRAT	5	5.5	300		700	70	Total count gamma 40
	60		Y	Ox	Wet	spotty carbon	
NP074 SRAT	5.5	6	250		400	70	Total count gamma 30
	60			Ox	Wet		
NP074 SRAT	6	6.5	70		430	70	Total count gamma 40
	50		Y	Ox	Wet	spotty carbon	
NP074 SRAT	6.5	7	50		150	70	Total count gamma
	50			Ox	Wet		
NP074 SRAT	7	7.5	180		120	70	Total count gamma 40
	50			Ox	Wet		
NP074 SRAT	7.5	8	170		120	70	Total count gamma
	70			Ox	Wet		
NP074 SRAT	8	8.6	150		110	70	Total count gamma
	70			Ox	Wet		
NP074 SRAT	8.6	9	170		120	70	Total count gamma
	70			Ox	Wet		
NP074 SRAT	9	9.5	230		120	70	Total count gamma
	70			Ox	Wet	2 runs	
NP074 SRAT	9.5	10	220		100	70	Total count gamma
	70			Ox	Wet	"2 runs, common yellow limonitic stains"	
NP075 SRAT	0	1	210		65	65	Total count gamma
	80			Ox	Dry		
NP075 SRAT	1	1.5	70		60	60	Total count gamma
				Ox	Dry	20	
NP075 SRAT	1.5	2	190		70	65	Total count gamma
				Ox	Dry	30	
NP075 SRAT	2	2.5	160		70	65	Total count gamma
				Ox	Dry	20	
NP075 SRAT	2.5	3	200		65	65	Total count gamma
				Ox	Dry	15	
NP075 SRAT	3	3.5	240		75	65	Total count gamma
				Ox	Dry	10	
NP075	3.5	4	230		330	70	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	40			Ox	Dry	5	50	
NP075 SRAT	4	4.5	280		1600	70	Total count gamma	
	40	Y		Ox	Dry	20	50	calcrete/ silcrete
NP075 SRAT	4.5	5	260		5600	70	Total count gamma	
	30	Y		Ox	wet	2nd U	70	comm
NP075 SRAT	5	5.5	390		2500	70	Total count gamma	
	50	Y		Ox	wet	2nd U	50	comm
NP075 SRAT	5.5	6	240		1300	70	Total count gamma	
	40	Y		Ox	wet	60	"comm, dissem carbon"	
NP075 SRAT	6	6.5	150		900	70	Total count gamma	
	50	Y	Y	Ox	wet	50		
NP075 SRAT	6.5	6.9	290		380	70	Total count gamma	
	60			Ox	wet	30		
NP075 SRAT	6.9	7.5	240		220	70	Total count gamma	
	70			Ox	wet	20	sand over red clay	
NP075 SRAT	7.5	8	100		250	70	Total count gamma	
	70			Ox	wet		small sample	
NP075 SRAT	8	8.5	220		300	70	Total count gamma	
	70			Ox	wet		2 runs	
NP075 SRAT	8.5	9	170		370	70	Total count gamma	
	70			Ox	wet		"4 runs, too hard..stop"	
NP076 SRAT	0	1	320		65	65	Total count gamma	
	80			Ox	Dry	2		
NP076 SRAT	1	1.5	180		70	65	Total count gamma	
				Ox	Dry	15		
NP076 SRAT	1.5	2	130		75	65	Total count gamma	
				Ox	Dry	10		
NP076 SRAT	2	2.5	230		80	65	Total count gamma	
				Ox	Dry	15		
NP076 SRAT	2.5	3	180		80	65	Total count gamma	
				Ox	Dry	20		
NP076 SRAT	3	3.5	230		170	70	Total count gamma	
	40			Ox	Dry	20		
NP076	3.5	4	240		190	70	Total count gamma	



# Appendix 4. Drill Geology\_ 2006

SRAT	20			Ox	Dry	20	70	
						20%	sst.	
NP076	4	4.5	240		660	70	Total count gamma	
SRAT	20			Ox	Dry	15	70	
						15%	sst.	
NP076	4.5	5	290		500	70	Total count gamma	
SRAT				Ox	Wet		100	
NP076	5	5.5	300		350	70	Total count gamma	
SRAT	50		Y	Re	Wet		30	
NP076	5.5	6	210		240	70	Total count gamma	
SRAT	40		Y	Re	Wet		50	
NP076	6	6.5	220		220	70	Total count gamma	
SRAT	50	Y	Y	Re	Wet		40	
NP076	6.5	6.9	380		130	70	Total count gamma	
SRAT	60		Y	Re	Wet		40	
NP076	6.9	7.5	310		120	70	Total count gamma	
SRAT	70			Ox	Wet		15	"clay, sand over red clay"
NP076	7.5	8.4	340		150	70	Total count gamma	
SRAT	70			Ox	Wet			
NP076	8.4	9	140		120	70	Total count gamma	
SRAT	70			Ox	Wet			
NP076	9	10	240		150	70	Total count gamma	
SRAT	70			Ox	Wet		3 runs	
NP077	0	1	260		65	65	Total count gamma	
SRAT	20			Ox	Dry	70	rubbly calcrete	
NP077	1	1.5	220		65	65	Total count gamma	
SRAT				Ox	Dry	40		
NP077	1.5	2	200		65	65	Total count gamma	
SRAT				Ox	Dry	40		
NP077	2	2.5	190		80	65	Total count gamma	
SRAT				Ox	Dry	20		
NP077	2.5	3	230		100	65	Total count gamma	
SRAT	30			Ox	Dry	10	silcrete	
NP077	3	3.5	210		120	70	Total count gamma	
SRAT	30			Ox	Dry	15	15% sst grinding	
NP077	3.5	4	200		1600	70	Total count gamma	

# Appendix 4. Drill Geology\_ 2006

SRAT	10	Y		Ox	wet	15	90	nuggetty sandst - carnotite
concretions								
NP077	4	4.5	220		4500	70		Total count gamma
SRAT	15	Y		Ox	wet	25	80	2nd U comm; hard sst
NP077	4.5	5	320		3000	70		Total count gamma
SRAT	20	Y	Y	Ox	wet	5	80	2nd U comm; carb at base
NP077	5	5.5	210		1200	70		Total count gamma
SRAT	25	Y		Re	wet		60	tr 2nd U
NP077	5.5	6	190		1200	70		Total count gamma
SRAT	35	Y		Re	wet		60	occas. lumpy 2nd U
NP077	6	6.5	180		700	70		Total count gamma
SRAT	40		Y	Re	wet		60	
NP077	6.5	13.5	260		530	70		Total count gamma
SRAT	60			Re	wet		30	
NP077	7	7.5	220		800	70		Total count gamma
SRAT	20			Re	wet		80	all contamin? Could be all
cavings								
NP077	7.5	8	270		240	70		Total count gamma
SRAT	70			Ox	wet		30	"some sand contamin, 70% red
clay 30% caving sand? Tape to 6.7 only"								
NP077	8	8.5	290		220	70		Total count gamma
SRAT	70			Ox	wet			all good sample
NP077	8.5	9	300		350	70		Total count gamma
SRAT	80			Ox	wet			all good sample
NP077	9	9.5	230		380	70		Total count gamma
SRAT	80			Ox	wet			
NP077	9.5	10	70		330	70		Total count gamma
SRAT	70			Ox	wet			"small sample, no recy on last 2
runs, 3 runs total"								
NP078	0	1	220		70	70		Total count gamma
SRAT	30			Ox	Dry		30	
NP078	1	1.5	220		75	70		Total count gamma
SRAT				Ox	Dry		20	
NP078	1.5	2	190		75	70		Total count gamma
SRAT				Ox	Dry		10	
NP078	2	2.5	180		100	70		Total count gamma
SRAT	40	Y		Ox	Dry	10		2nd U on calcrete
NP078	2.5	3	200		300	70		Total count gamma

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SRAT	50			Ox	Dry	25	
NP078 SRAT	3	3.5	300		630	70	Total count gamma
	60	Y		Ox	Dry	25	2nd u on calcrete
NP078 SRAT	3.5	4	280		1500	70	Total count gamma
	60	Y		Ox	Damp	20	
NP078 SRAT	4	4.5	220		860	70	Total count gamma
	60	Y		Ox	Damp	10	
NP078 SRAT	4.5	5	310		500	70	Total count gamma
	60			Ox	Damp	5	
NP078 SRAT	5	5.5	300		660	70	Total count gamma
	60			Ox	Damp		
NP078 SRAT	5.5	6	200		600	70	Total count gamma
	40	Y	Y	Ox	Wet	60	
NP078 SRAT	6	6.4	130		300	70	Total count gamma
	40			Ox	Wet	60	
NP078 SRAT	6.4	7	120		150	70	Total count gamma
	50	Y		Re	Wet	50	
NP078 SRAT	7	7.8	330		130	70	Total count gamma
	30			Ox	Wet	70	2 runs
NP078 SRAT	7.8	9	410		500	70	Total count gamma
	70			Ox	Wet		grey sd-clay over red clay
NP078 SRAT	9	9.5	270		160	70	Total count gamma
	70			Ox	Wet		
NP078 SRAT	9.5	10.2	210		160	70	Total count gamma
				Ox	Wet		2 runs
NP079 SRAT	0	1	200		70	65	Total count gamma
	80			Ox	Dry	5	
NP079 SRAT	1	1.5	120		75	65	Total count gamma
				Ox	Dry	20	
NP079 SRAT	1.5	2	170		70	65	Total count gamma
				Ox	Dry	20	
NP079 SRAT	2	2.5	180		65	65	Total count gamma
				Ox	Dry	25	
NP079	2.5	3	370		70	65	Total count gamma

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SRAT	40			Ox	Dry	10 2 runs	
NP079 SRAT	3	3.5	220		250	70	Total count gamma
	10			Ox	Dry	10 10% silcrete	90
NP079 SRAT	3.5	4	170		500	70	Total count gamma
	60			Ox	Dry		20
NP079 SRAT	4	4.5	230		870	70	Total count gamma
	60	Y		Ox	Dry		20
NP079 SRAT	4.5	5	300		1650	70	Total count gamma
	60	Y		Ox	Damp		20
NP079 SRAT	5	5.5	260		1400	70	Total count gamma
	60	Y		Ox	Damp		20
NP079 SRAT	5.5	6	310		400	70	Total count gamma
	70			Ox	Wet		
NP079 SRAT	6	6.5	200		160	70	Total count gamma
	30	Y		Re	Wet		70
NP079 SRAT	6.5	7	140		700	70	Total count gamma
	60	Y		Re	Wet		
NP079 SRAT	7	7.5	230		320	70	Total count gamma
	60			Re	Wet		
NP079 SRAT	7.5	8.3	330		150	70	Total count gamma
	70			Re	Wet		
NP079 SRAT	8.3	9.1	440		250	70	Total count gamma
	80			Ox	Wet		
NP079 SRAT	9.1	9.6	270		120	70	Total count gamma
				Ox	Wet		
NP079 SRAT	9.6	10	110		100	70	Total count gamma
				Ox	Dry		
NP080 SRAT	0	1	200		70	65	Total count gamma
	90			Ox	Dry	5	
NP080 SRAT	1	1.5	120		65	65	Total count gamma
				Ox	Dry	15	
NP080 SRAT	1.5	2	100		70	65	Total count gamma
				Ox	Dry	25	
calcrete rock							platey lumps of (layered)
NP080	2	2.5	240		70	65	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT							
				Ox	Dry	25	platey calcrete rock
NP080 SRAT	2.5	3	220		75	65	Total count gamma
				Ox	Dry	10	
NP080 SRAT	3	3.5	230		500	70	Total count gamma
	30			Ox	Dry	5	60
						5%	silcrete
NP080 SRAT	3.5	4	250		3000	70	Total count gamma
		Y		Ox	Damp		80
NP080 SRAT	4	4.5	240		1100	70	Total count gamma
	50	Y		Ox	Damp		30
NP080 SRAT	4.5	5	250		850	70	Total count gamma
	50			Ox	Wet		30
NP080 SRAT	5	5.5	200		450	70	Total count gamma
	60			Ox	Wet		
NP080 SRAT	5.5	6	230		400	70	Total count gamma
	60	Y	Y	Ox	Wet		
NP080 SRAT	6	6.6	280		900	70	Total count gamma
	50		Y	Re	Wet		40
							GA 3
NP080 SRAT	6.6	7	270		2200	70	Total count gamma
	40		Y	Re	Wet		60
							v carbonaceous sand
NP080 SRAT	7	7.52	330		500	70	Total count gamma
	50		Y	Re	Wet		50
NP080 SRAT	7.5	8.5	420		200	70	Total count gamma
	70			Re	Wet		half red brown clay
NP080 SRAT	8.5	9	230		150	70	Total count gamma
	70			Ox	Wet		
NP080 SRAT	9	9.6	150		160	70	Total count gamma
				Ox	Wet		2 runs
NP081 SRAT	0	1	250		70	65	Total count gamma
	80			Ox	Dry	20	
NP081 SRAT	1	1.5	210		70	65	Total count gamma
				Ox	Dry	20	
NP081 SRAT	1.5	2	200		100	65	Total count gamma
		Y		Ox	Dry	15	on calcrete
NP081	2	2.5	140		150	70	Total count gamma

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SRAT							
				Ox	Dry		
NP081 SRAT	2.5	3	190		800	70	Total count gamma
	50			Ox	Dry	10	
NP081 SRAT	3	3.5	290		900	70	Total count gamma
	60			Ox	Dry		
NP081 SRAT	3.5	4	280		950	70	Total count gamma
	50			Ox	Dry	50	
NP081 SRAT	4	4.5	240		1000	70	Total count gamma
	50			Ox	Dry	20	grinding on rock
NP081 SRAT	4.5	5	370		400	70	Total count gamma
	70	Y	Y	Ox	Dry		
NP081 SRAT	5	5.5	110		170	70	Total count gamma
	70			Ox	Dry		small sample
NP081 SRAT	5.5	6.2	190		230	70	Total count gamma
	70			Ox	Dry		
NP081 SRAT	6.2	6.5	190		250	70	Total count gamma
	70		Y	Re	Dry		
NP081 SRAT	6.5	7	250		500	70	Total count gamma
	70		Y	Re	Dry		
NP081 SRAT	7	7.5	190		280	70	Total count gamma
	50			Ox	Dry	50	
NP081 SRAT	7.5	8.1	330		150	70	Total count gamma
	70			Ox	Dry	30	
NP081 SRAT	8.1	9.2	330		150	70	Total count gamma
	80			Ox	Dry		big sample
NP081 SRAT	9.2	9.7	180		100	70	Total count gamma
	80			Ox	Dry		
NP082 SRAT	0	1	200		65	65	Total count gamma
	80			Ox	Dry	5	
NP082 SRAT	1	1.5	130		65	65	Total count gamma
				Ox	Dry	15	
NP082 SRAT	1.5	2	140		70	65	Total count gamma
				Ox	Dry	10	
NP082	2	2.5	210		70	65	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT							
				Ox	Dry		
NP082 SRAT	2.5	3	250		70	65 20	Total count gamma
				Ox	Dry	platey calc-silcrete rubble	
NP082 SRAT	3	3.5	270		90	65 20	Total count gamma
				Ox	Dry		
NP082 SRAT	3.5	4	340		150	65 20	Total count gamma
	40			Ox	Dry	60	
NP082 SRAT	4	4.5	290		180	65	Total count gamma
				Ox	Dry		
NP082 SRAT	4.5	5	440		400	65	Total count gamma
	50			Ox	Damp	2 runs	50
NP082 SRAT	5	5.5	300		390	70	Total count gamma
	60		Y	Ox	Dry	spotty carbon	
NP082 SRAT	5.5	6	240		550	70	Total count gamma
	30	Y	Y	Re	Wet	2nd U common	70
NP082 SRAT	6	6.5	250		770	70	Total count gamma
	20		Y	Re	Wet	spotty carbon	80
NP082 SRAT	6.5	7	260		400	70	Total count gamma
	50		Y	Re	Wet	spotty	50
NP082 SRAT	7	7.5	360		220	70	Total count gamma
	50			Re	Wet	half sand over clay	50
NP082 SRAT	7.5	8	210		150	70	Total count gamma
	30			Re	Wet	mostly sand (contam?)	70
NP082 SRAT	8	8.5	450		130	70	Total count gamma
	80			Ox	Wet		
NP082 SRAT	8.5	9.5	240		100	70	Total count gamma
	80			Ox	Wet		
NP082 SRAT	9.5	10	290		100	70	Total count gamma
	80			Ox	Dry		
NP083 SRAT	0 80	1	260		70	65 10	Total count gamma
				Ox	Dry		
NP083 SRAT	1	1.5	220		65	65 25	Total count gamma
				Ox	Dry		
NP083	1.5	2	220		75	65	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT							
				Ox	Dry		
NP083 SRAT	2	2.5	220		80	65 25	Total count gamma
				Ox	Dry		
NP083 SRAT	2.5	3	320		80	65 25	Total count gamma
				Ox	Dry		
NP083 SRAT	3	3.5	300		100	70 10	Total count gamma
				Ox	Dry		
NP083 SRAT	3.5	4	300		650	70 10	Total count gamma
	40			Ox	Dry		
NP083 SRAT	4	4.5	290		2200	70	Total count gamma
	40	Y		Ox	Dry		
NP083 SRAT	4.5	5	250		1150	70	Total count gamma
	50			Ox	Dry		
NP083 SRAT	5	5.5	330		900	70	Total count gamma
	50			Ox	Dry		
NP083 SRAT	5.5	6	470		950	80	Total count gamma
	50	Y		Ox	Dry	2nd U minor	
NP083 SRAT	6	6.6	400		1000	80	Total count gamma
	50	Y		Ox	Damp		50
NP083 SRAT	6.6	7	370		550	80	Total count gamma
	50		Y	Re	Wet		50
NP083 SRAT	7	7.8	450		220	80	Total count gamma
	50		Y	Re	Wet		50
NP083 SRAT	7.8	8.4	360		150	80	Total count gamma
	70			Ox	Wet		"half red base clay, mottled
limonitic, in-situ lateritic clay"							
NP083 SRAT	8.4	9	270		150	80	Total count gamma
	70			Ox	Wet		
NP084 SRAT	0 90	1	410		70	65	Total count gamma
				Ox	Dry		
NP084 SRAT	1	1.5	270		100	70 20	Total count gamma
				Ox	Dry		
NP084 SRAT	1.5	2	230		160	70 25	Total count gamma
				Ox	Dry		
NP084	2	2.5	260		220	70	Total count gamma



# Appendix 4. Drill Geology\_ 2006

SRAT						30	60
				Ox	Dry		
NP084 SRAT	2.5	3	140		190	70	Total count gamma
	25			Ox	Dry	15	60
NP084 SRAT	3	3.5	220		440	70	Total count gamma
		Y		Ox	Dry	60	"rubbly, 2nd U on calcrete"
NP084 SRAT	3.5	4	290		800	70	Total count gamma
	20	Y		Ox	Dry	30	50
NP084 SRAT	4	4.5	360		980	70	Total count gamma
				Ox	Dry	30	70
							silcrete and calcrete
NP084 SRAT	4.5	5	380		800	70	Total count gamma
	60			Ox	Dry		
NP084 SRAT	5	5.5	320		950	70	Total count gamma
	60			Ox	Wet		
NP084 SRAT	5.5	6	290		420	70	Total count gamma
	60	Y		Re	Wet		mod. carbonaceous
NP084 SRAT	6	6.6	250		440	70	Total count gamma
	60	Y		Re	Wet		
NP084 SRAT	6.6	7	220		200	70	Total count gamma
	50	Y		Re	Wet		40
NP084 SRAT	7	7.7	360		700	70	Total count gamma
	40	Y		Re	Wet		60
							mod. Carbonaceous
NP084 SRAT	7.7	8.2	320		150	70	Total count gamma
	30			Re	Wet		70
							coarse sand clay
NP084 SRAT	8.2	8.7	340		150	70	Total count gamma
	70			Ox	Wet		some pallid limonitic clay
NP084 SRAT	8.7	9.2	230		120	70	Total count gamma
	70			Ox	Wet		
NP084 SRAT	9.2	9.8	170		120	70	Total count gamma
	70			Ox	Wet		
NP084 SRAT	9.8	10.5	70		110	70	Total count gamma
	50			Ox	Wet		small sample (sandy)
NP085 SRAT	0	1	450		70	65	Total count gamma
	80			Ox	Dry	5	
NP085	1	1.5	230		70	65	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT							
				Ox	Dry	30	
NP085 SRAT	1.5	2	210		75	65 25	Total count gamma
				Ox	Dry		
NP085 SRAT	2	2.5	220		90	65 15	Total count gamma
				Ox	Dry		
NP085 SRAT	2.5	3	270		130	70 10	Total count gamma
				Ox	Dry		
NP085 SRAT	3	3.5	220		160	70 5	Total count gamma
	40			Ox	Dry		
NP085 SRAT	3.5	4	240		450	70	Total count gamma
	60			Ox	Dry		abt calcite crystal overgrowths
NP085 SRAT	4	4.5	280		720	70	Total count gamma
	60	Y		Ox	Dry		abt calcite crystal overgrowths
NP085 SRAT	4.5	5	300		500	70	Total count gamma
	60			Ox	Damp		
NP085 SRAT	5	5.5	220		400	70	Total count gamma
	60			Ox	Damp		
NP085 SRAT	5.5	6.1	370		550	70	Total count gamma
	70			Ox	Damp		
NP085 SRAT	6.1	6.6	270		500	70	Total count gamma
	70		Y	Ox	Damp		
NP085 SRAT	6.6	7.1	250		700	70	Total count gamma
	50		Y	Ox	wet	40	spotty carbon
NP085 SRAT	7.1	8	500		250	80	Total count gamma
	60		Y	Re	wet	30	carbonaceous clay
NP085 SRAT	8	8.7	390		150	80	Total count gamma
	50		Y	Ox	wet	40	
NP085 SRAT	8.7	9.2	310		180		Total count gamma
	70			Ox	wet		
NP086 SRAT	0	1	350		65	65 70	Total count gamma
	20			Ox	Dry		rubbly calcrete
NP086 SRAT	1	1.5	200		70	65 70	Total count gamma
				Ox	Dry		rubbly calcrete
NP086	1.5	2	190		85	65	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT							
				Ox	Dry	60	rubbly calcrete
NP086 SRAT	2	2.5	210		95	65	Total count gamma
				Ox	Dry	10	
NP086 SRAT	2.5	3	210		90	65	Total count gamma
	40			Ox	Dry	60	
NP086 SRAT	3	3.5	230		100	65	Total count gamma
	40			Ox	Dry	10	60
							10% silcrete
NP086 SRAT	3.5	4	270		100	65	Total count gamma
	40			Ox	Dry	10	60
							10% silcrete
NP086 SRAT	4	4.5	340		90	65	Total count gamma
	20			Ox	wet	40	40
							40% silcrete
NP086 SRAT	4.5	5	400		160	70	Total count gamma
	60			Ox	wet		40
NP086 SRAT	5	5.5	310		320	70	Total count gamma
	60			Ox	wet		
NP086 SRAT	5.5	6	160		230	70	Total count gamma
	50			Ox	wet		50
NP086 SRAT	6	6.5	400		200	70	Total count gamma
	60			Ox	wet		40
NP086 SRAT	6.5	7	250		100	70	Total count gamma
	60			Ox	wet		20
NP086 SRAT	7	8	510		1100	70	Total count gamma
	60		Y	Re	wet		minor carb
NP086 SRAT	8	8.5	350		120	70	Total count gamma
	40			Re	wet		60
NP086 SRAT	8.5	9.1	410		150	70	Total count gamma
	70			Ox	wet		
NP086 SRAT	9.1	9.7	320		150	70	Total count gamma
	70			Ox	wet		2 runs
NP086 SRAT	9.7	10.4	60		100	70	Total count gamma
	50			Ox	wet		
NP087 SRAT	0	1	350		65	65	Total count gamma
	80			Ox	Dry	10	
NP087	1	1.5	190		65	65	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT							
				Ox	Dry		
NP087 SRAT	1.5	2	280		70	65 40	Total count gamma
				Ox	Dry		
NP087 SRAT	2	2.5	350		80	65 30	Total count gamma
				Ox	Dry		
NP087 SRAT	2.5	3	350		110	65 30	Total count gamma
				Ox	Dry	30% silcrete	
NP087 SRAT	3	3.5	170		180	70 20	Total count gamma
				Ox	Dry		
NP087 SRAT	3.5	4	250		550	70 10	Total count gamma
				Ox	Dry		
NP087 SRAT	4	4.5	270		700	70	Total count gamma
	60			Ox	Dry		
NP087 SRAT	4.5	5	160		730	70	Total count gamma
	50			Ox	Dry		
NP087 SRAT	5	5.5	400		650	70	Total count gamma
	60			Ox	Dry		
NP087 SRAT	5.5	6	290		700	70 10	Total count gamma
	30	Y		Ox	wet	2nd U common	
NP087 SRAT	6	6.5	140		540	70	Total count gamma
	40			Ox	wet	60	
NP087 SRAT	6.5	7	310		500	700	Total count gamma
	60	Y		Re	wet		
NP087 SRAT	7	7.5	190		200	70	Total count gamma
	60	Y		Re	wet	40	carbonaceous clay/sand
NP087 SRAT	7.5	8	330		130	70	Total count gamma
	30	Y		Re	wet	70	carbonaceous sand
NP087 SRAT	8	8.5	390		170	70	Total count gamma
	70			Ox	wet	20	
NP087 SRAT	8.5	9	180		180	70	Total count gamma
	70			Ox	wet		
NP087 SRAT	9	9.5	240		130	70	Total count gamma
	50			Ox	wet	50	sandy
NP087	9.5	10.3	390		130	70	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	50			Ox	Wet	sandy	50
NP088 SRAT	0 70	1	460		70	70 20	Total count gamma
				Ox	Dry		
NP088 SRAT	1	1.5	200		90	30	Total count gamma
				Ox	Dry		
NP088 SRAT	1.5	2	280		150	70 40	Total count gamma
				Ox	Dry		
NP088 SRAT	2	2.5	150		170	60	Total count gamma
				Ox	Dry		
NP088 SRAT	2.5	3	190		130	70 60	Total count gamma
		Y		Ox	Dry		
NP088 SRAT	3	3.5	160		180	60	Total count gamma
				Ox	Dry		
NP088 SRAT	3.5	4	180		170	70 20	Total count gamma
	60			Ox	Dry		
NP088 SRAT	4	4.5	250		220		Total count gamma
	60			Ox	Dry		
NP088 SRAT	4.5	5	400		250	70	Total count gamma
	60			Ox	Damp		
NP088 SRAT	5	5.5	310		180		Total count gamma 70
	30			Ox	Wet		
NP088 SRAT	5.5	6	210		250	70	Total count gamma 70
	30	Y		Ox	Wet		
NP088 SRAT	6	6.5	190		350		Total count gamma 70
	30	Y		Ox	Wet		
NP088 SRAT	6.5	7.2	380		290	70	Total count gamma 60
	40	Y	Y	Ox	Wet		
NP088 SRAT	7.2	7.7	300		150		Total count gamma 60
	30		Y	Re	Wet		
NP088 SRAT	7.7	8.7	360		120	70	Total count gamma 40
	60			Re	Wet	sand + carb clay over red clay	
NP088 SRAT	8.8	9.3	250		100		Total count gamma
				Ox	Wet		
NP088	9.3	10	320		100	70	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	70			Ox	wet	2 runs	
NP089 SRAT	0 60	1	350		70	70 30	Total count gamma
				Ox	Dry		
NP089 SRAT	1	1.5	190		65	65 40	Total count gamma
				Ox	Dry		
NP089 SRAT	1.5	2	180		100	70 40	Total count gamma
				Ox	Dry		
NP089 SRAT	2	2.5	250		110	70 20	Total count gamma
	60			Ox	Dry		
NP089 SRAT	2.5	3	260		130	70	Total count gamma
	60			Ox	Dry		
NP089 SRAT	3	3.5	240		600	70	Total count gamma
	60			Ox	Dry		
NP089 SRAT	3.5	4	250		500	70	Total count gamma
	60	Y		Ox	Dry		
NP089 SRAT	4	4.5	210		400	70	Total count gamma
	60	Y		Ox	wet	very fine calcite crystal	
NP089 SRAT	4.5	5	260		230	70	Total count gamma
	60			Ox	wet		
NP089 SRAT	5	5.5	220		220	70	Total count gamma
	60			Ox	wet		
NP089 SRAT	5.5	6	210		350	70	Total count gamma
	60	Y	Y	Ox	wet		
NP089 SRAT	6	6.5	380		450	70	Total count gamma
	60	Y	Y	Ox	wet		
NP089 SRAT	6.5	7.1	320		270	70	Total count gamma
	60		Y	Re	wet	20 carbonaceous clay	
NP089 SRAT	7.1	7.7	330		130	70	Total count gamma
	60		Y	Re	wet	mod carb clay	
NP089 SRAT	7.7	8.4	360		120	70	Total count gamma
	70			Ox	wet	ltgyyell/redbr at base limonitic	
NP089 SRAT	8.4	9.3	330		120	70	Total count gamma
	70			Ox	wet		
NP089	9.3	10.2	390		120	70	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	70			Ox	wet	2 runs	
NP090 SRAT	0 60	1	350		70	65 30	Total count gamma
				Ox	Dry		
NP090 SRAT	1	1.5	170		80	65 40	Total count gamma
				Ox	Dry		
NP090 SRAT	1.5	2	170		100	65 40	Total count gamma
				Ox	Dry		
NP090 SRAT	2	2.5	180		100	70 40	Total count gamma
				Ox	Dry		
NP090 SRAT	2.5	3	190		100	70 20	Total count gamma
				Ox	Dry		
NP090 SRAT	3	3.5	220		100	70	Total count gamma
	50			Ox	Dry		
NP090 SRAT	3.5	4	260		180	70	Total count gamma
	60			Ox	Dry		
NP090 SRAT	4	4.5	320		620	70	Total count gamma
	60			Ox	Dry		
NP090 SRAT	4.5	5	170		800	70	Total count gamma
	60			Ox	wet		
NP090 SRAT	5	5.5	150		720	70	Total count gamma
	60		Y	Ox	wet		
NP090 SRAT	5.5	6	290		800	70	Total count gamma
	60	Y	Y	Ox	wet		
NP090 SRAT	6	6.5	190		1000	70	Total count gamma
	60	Y	Y	Ox	wet	mod carbonaceous	
NP090 SRAT	6.5	7	270		300	70	Total count gamma
	60		Y	Re	wet		
NP090 SRAT	7	7.6	340		500	70	Total count gamma
	50			Re	wet	50	
NP090 SRAT	7.6	8	250		150	70	Total count gamma
	60			Ox	wet	40	sand over gy pallid clay
NP090 SRAT	8	8.8	370		160	70	Total count gamma
	70			Ox	wet		
NP090	8.8	9.8	280		120	70	Total count gamma

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SRAT	70			Ox	wet	red brown clay
NP090 SRAT	9.8	10.3	80		110	70 Total count gamma
				Ox	wet	sandy paleosol or saprolite
NP091 SRAT	0	1	290		65	65 Total count gamma
	60			Ox	Dry	30
NP091 SRAT	1	1.5	190		70	65 Total count gamma
				Ox	Dry	70
NP091 SRAT	1.5	2	140		70	65 Total count gamma
				Ox	Dry	70
NP091 SRAT	2	2.5	260		75	65 Total count gamma
				Ox	Dry	70
NP091 SRAT	2.5	3	260		110	65 Total count gamma
				Ox	Dry	40
NP091 SRAT	3	3.5	290		1800	70 Total count gamma
				Ox	Dry	30
NP091 SRAT	3.5	4.5	180		1300	70 Total count gamma
				Ox	Dry	lost half a metre here
NP091 SRAT	4.5	5	360		840	70 Total count gamma
	60			Ox	Damp	40
NP091 SRAT	5	5.5	300		1200	70 Total count gamma
	60			Ox	wet	30
NP091 SRAT	5.5	6	320		800	70 Total count gamma
	70		Y	Re	wet	carbonaceous clay
NP091 SRAT	6	6.5	360		420	70 Total count gamma
	70		Y	Re	wet	
NP091 SRAT	6.5	7	360		250	70 Total count gamma
	70		Y	Re	wet	
NP091 SRAT	7	7.5	440		700	70 Total count gamma
	70		Y	Re	wet	
NP091 SRAT	7.5	8	320		160	70 Total count gamma
	60			Ox	wet	40
NP091 SRAT	8	8.5	160		120	70 Total count gamma
	70			Ox	wet	
NP091	8.5	9	150		120	70 Total count gamma



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SRAT	70			Ox	Wet		
NP091 SRAT	9	9.5	310		120	70	Total count gamma
	70			Ox	Wet		
NP091 SRAT	9.5	10.4	130		140	70	Total count gamma
				Ox	Wet		
NP092 SRAT	0	1	330		70	65	Total count gamma
	60			Ox	Dry	30	
NP092 SRAT	1	1.5	220		85	65	Total count gamma
				Ox	Dry	70	
NP092 SRAT	1.5	2	120		80	65	Total count gamma
				Ox	Dry	60	
NP092 SRAT	2	2.5	200		75	65	Total count gamma
				Ox	Dry	60	
NP092 SRAT	2.5	3	360		70	65	Total count gamma
				Ox	Dry	60	
NP092 SRAT	3	3.5	350		100	70	Total count gamma
				Ox	Dry	70	
NP092 SRAT	3.5	4	320		350	70	Total count gamma
	70			Ox	Dry	30	Mn O2 stain
NP092 SRAT	4	4.5	320		250	70	Total count gamma
	70			Ox	Dry	30	
NP092 SRAT	4.5	5	280		210	70	Total count gamma
	70			Ox	Dry	20	
NP092 SRAT	5	5.5	200		300	70	Total count gamma
	60			Ox	Dry		
NP092 SRAT	5.5	6	340		600	70	Total count gamma
	50			Ox	Damp		
NP092 SRAT	6	6.5	280		550	70	Total count gamma
	30		Y	Re	Wet	60	
NP092 SRAT	6.5	7.1	210		160	70	Total count gamma
	60		Y	Re	Wet		
NP092 SRAT	7.1	7.5	180		250	70	Total count gamma
	50		Y	Re	Wet	40	
NP092	7.5	8	190		150	70	Total count gamma

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SRAT	60			Re	Wet	red at base	
NP092 SRAT	8	8.7	410		400	70	Total count gamma
	70			Ox	Wet	some contam at top	
NP092 SRAT	8.7	9.2	330		180	70	Total count gamma
	70			Ox	Wet		
NP092 SRAT	9.2	9.5	130		170	70	Total count gamma
	50			Ox	Wet	sandy	50
NP092 SRAT	9.5	10	140		150	70	Total count gamma
	50			Ox	Wet	sandy	50
NP093 SRAT	0	1	320		65	65	Total count gamma
	80			Ox	Dry	10	
NP093 SRAT	1	1.5	230		65	65	Total count gamma
				Ox	Dry	40	
NP093 SRAT	1.5	2	150		65	65	Total count gamma
				Ox	Dry	40	
NP093 SRAT	2	2.5	240		65	65	Total count gamma
				Ox	Dry	40	
NP093 SRAT	2.5	3	270		150	65	Total count gamma
	30			Ox	Dry	30	
NP093 SRAT	3	3.5	250		530	65	Total count gamma
	30	Y		Ox	Dry	20	
NP093 SRAT	3.5	4	280		1800	65	Total count gamma
	30	Y		Ox	Damp	20	50
						20%	silcrete sst
NP093 SRAT	4	4.5	280		1400	70	Total count gamma
	20	Y		Ox	Wet	20	60
NP093 SRAT	4.5	5	190		420	70	Total count gamma
	20			Ox	Wet	10	70
NP093 SRAT	5	5.5	250		300	70	Total count gamma
	60			Ox	Wet		
NP093 SRAT	5.5	6	300		270	70	Total count gamma
	60			Ox	Wet		
NP093 SRAT	6	6.5	250		900	70	Total count gamma
	15	Y		Ox	Wet		80
						2nd u	clots in sand
NP093	6.5	7	320		330	70	Total count gamma

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SRAT	40	Y		Ox	Wet		
NP093 SRAT	7	7.4	180		800	70	Total count gamma
	60			Ox	Wet		
NP093 SRAT	7.4	8	420		180	70	Total count gamma
	50			Ox	Wet		50
NP093 SRAT	8	8.4	250		300	70	Total count gamma
	60			Ox	Wet		"2 runs, hard"
NP093 SRAT	8.4	8.6	60		200	70	Total count gamma
				Ox	Wet		"too hard, low recy"
NP094 SRAT	0	1	310		65	65	Total count gamma
	70			Ox	Dry	20	
NP094 SRAT	1	1.5	150		70	65	Total count gamma
				Ox	Dry	30	
NP094 SRAT	1.5	2	160		65	65	Total count gamma
				Ox	Dry	70	
NP094 SRAT	2	2.5	300		70	65	Total count gamma
				Ox	Dry	70	
NP094 SRAT	2.5	3	300		65	65	Total count gamma
				Ox	Dry	50	
NP094 SRAT	3	3.5	250		75	65	Total count gamma
				Ox	Dry	20	
NP094 SRAT	3.5	4	290		90	65	Total count gamma
	40			Ox	Dry	20	
NP094 SRAT	4	4.5	350		200	70	Total count gamma
	40			Ox	Damp	15	
NP094 SRAT	4.5	5	280		140	70	Total count gamma
	70			Ox	Wet	15	
NP094 SRAT	5	5.5	360		100	70	Total count gamma
	50			Ox	Wet		50
NP094 SRAT	5.5	6	280		300	70	Total count gamma
	60		Y	Re	Wet		40
NP094 SRAT	6	6.5	250		120	70	Total count gamma
	60		Y	Re	Wet		30
NP094	6.5	7	250		100	70	Total count gamma

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SRAT	60		Y	Re	Wet	10	
NP094 SRAT	7	7.5	190		120	70	Total count gamma 10
	60			Ox	Wet		
NP094 SRAT	7.5	8	280		600	70	Total count gamma 40
	60	Y		Ox	Wet		spotty 2nd U in sand
NP094 SRAT	8	8.4	210		180	70	Total count gamma
				Ox	Dry		"Sand contam, hard"
NP095 SRAT	0 60	1	370		65	65 30	Total count gamma
				Ox	Wet		
NP095 SRAT	1	1.5	130		65	65 40	Total count gamma
				Ox	Dry		
NP095 SRAT	1.5	2	210		60	60 40	Total count gamma
				Ox	Dry		
NP095 SRAT	2	2.5	190		60	60 40	Total count gamma
				Ox	Dry		
NP095 SRAT	2.5	3	200		60	60 40	Total count gamma
				Ox	Dry		
NP095 SRAT	3	3.5	210		60	60 40	Total count gamma
				Ox	Dry		blk stain
NP095 SRAT	3.5	4	480		70	60 20	Total count gamma
				Ox	Dry		"2 runs, grinding"
NP095 SRAT	4	4.5	210		70	60 25	Total count gamma 80
				Ox	Dry		20%sst
NP095 SRAT	4.5	5	380		70	60	Total count gamma 70
	30			Ox	Damp		
NP095 SRAT	5	5.5	290		150	60	Total count gamma
	60			Ox	Wet		
NP095 SRAT	5.5	6	270		180	70	Total count gamma
	60		Y	Ox	Wet		
NP095 SRAT	6	6.5	240		260	70	Total count gamma
	60		Y	Re	Wet		v. carb clay/sand
NP095 SRAT	6.5	7	150		100	70	Total count gamma
	60			Re	Wet		
NP095	7	7.5	190		80	70	Total count gamma

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SRAT	60			Re	Wet	Red at base	
NP095 SRAT	7.5	8	160		100	70	Total count gamma 30
	50			Ox	Wet	"2 runs, sand	contam on top"
NP095 SRAT	8	8.1	50		100	70	Total count gamma
	50			Ox	Wet	hard	
NP096 SRAT	0	1	280		65	65	Total count gamma
	70			Ox	Dry	15	
NP096 SRAT	1	1.5	220		65	65	Total count gamma
				Ox	Dry	30	
NP096 SRAT	1.5	2	230		70	65	Total count gamma
				Ox	Dry	30	2 runs
NP096 SRAT	2	2.5	190		70	65	Total count gamma
				Ox	Dry	30	
NP096 SRAT	2.5	3	330		70	65	Total count gamma
				Ox	Dry	40	2 runs
NP096 SRAT	3	3.5	200		65	65	Total count gamma
				Ox	Dry	20	silcrete
NP096 SRAT	3.5	4	220		100	65	Total count gamma
				Ox	Dry	20	
NP096 SRAT	4	4.5	340		720	70	Total count gamma
	60	Y		Ox	Damp	20	
NP096 SRAT	4.5	5	340		520	70	Total count gamma
	50			Ox	Damp	40	
NP096 SRAT	5	5.5	220		200	70	Total count gamma
	60			Ox	Damp		
NP096 SRAT	5.5	6	150		300	70	Total count gamma
	50			Ox	Damp	50	
NP096 SRAT	6	6.5	190		500	70	Total count gamma
	60	Y	Y	Ox	Damp	sl. Carb	
NP096 SRAT	6.5	7.2	190		170	70	Total count gamma
	60			Ox	Damp		
NP096 SRAT	7.2	7.7	200		130	70	Total count gamma
	30			Ox	Damp	60	
NP096	7.7	8.4	380		150	70	Total count gamma

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SRAT	70			Ox	Damp	half red clay base	
NP096 SRAT	8.4	9	390		200	70	Total count gamma
	70			Ox	Damp	mottled pallid	
NP096 SRAT	9	9.5	80		120	70	Total count gamma
	70			Ox	Damp	"hard, mottled pallid"	
NP096 SRAT	9.5	10	270		150	70	Total count gamma
	70			Ox	Damp	"2 runs, hard, mottled pallid"	
NP097 SRAT	0	1	370		70	65	Total count gamma
	80			Ox	Dry	10	
NP097 SRAT	1	1.5	60		70	65	Total count gamma
				Ox	Dry	50	
NP097 SRAT	1.5	2	70		65	65	Total count gamma
				Ox	Dry	50	
NP097 SRAT	2	2.5	260		65	65	Total count gamma
				Ox	Dry	50	
NP097 SRAT	2.5	3	270		65	65	Total count gamma
				Ox	Dry	60	
NP097 SRAT	3	3.5	350		70	65	Total count gamma
	20			Ox	Dry	25	60
NP097 SRAT	3.5	4	180		80	65	Total count gamma
	30			Ox	Dry		50
NP097 SRAT	4	4.5	250		750	70	Total count gamma
	60			Ox	Dry		
NP097 SRAT	4.5	5	370		500	70	Total count gamma
	60			Ox	Damp		
NP097 SRAT	5	5.5	310		520	70	Total count gamma
	60			Ox	wet		
NP097 SRAT	5.5	6	230		650	70	Total count gamma
	60			Ox	wet		
NP097 SRAT	6	7.2	220		430	70	Total count gamma
	60	Y		Ox	wet	lost half metre	40
NP097 SRAT	7.2	7.7	230		400	70	Total count gamma
	30			Ox	wet		60
NP097	7.7	8.5	190		700	70	Total count gamma

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SRAT	70			Ox	wet	half sand over red clay	
NP097	8.5	9	260		120	70	Total count gamma
SRAT	70			Ox	wet		
NP097	9	9.6	390		150	70	Total count gamma
SRAT	70			Ox	wet	weathered granite textured	
saprolite							
NP097	9.6	10.1	320		180	70	Total count gamma
SRAT	70			Ox	wet	weathered granite textured	
saprolite							
NP098	0	1	360		70	65	Total count gamma
SRAT	80			Ox	Dry	15	
NP098	1	1.5	100		70	65	Total count gamma
SRAT				Ox	Dry	40	
NP098	1.5	2	240		70	65	Total count gamma
SRAT				Ox	Dry	40	
NP098	2	2.5	120		70	65	Total count gamma
SRAT				Ox	Dry	40	
NP098	2.5	3	350		70	65	Total count gamma
SRAT				Ox	Dry	40	
NP098	3	3.5	150		80	65	Total count gamma
SRAT	60			Ox	Dry	10	
NP098	3.5	4	250		140	70	Total count gamma
SRAT	60			Ox	Dry		
NP098	4	4.5	320		800	70	Total count gamma
SRAT	40	Y		Ox	Dry	15	45
						15% sst	
NP098	4.5	5	200		800	70	Total count gamma
SRAT	60			Ox	wet		
NP098	5	5.5	160		1000	70	Total count gamma
SRAT	60			Ox	wet		
NP098	5.5	6	110		200	70	Total count gamma
SRAT	60			Ox	wet		
NP098	6	6.5	200		150	70	Total count gamma
SRAT	60			Ox	wet		
NP098	6.5	7	130		100	70	Total count gamma
SRAT	60			Ox	wet		
NP098	7	7.6	350		190	70	Total count gamma

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SRAT	60			Ox	Wet		
NP098 SRAT	7.6	8	210		180	70	Total count gamma
	70			Ox	Wet		
NP098 SRAT	8	8.5	230		150	70	Total count gamma
	70			Ox	Wet		weathered granite textured
saprolite NP098 SRAT	8.5	9.2	410		130	70	Total count gamma
	70			Ox	Wet		
NP098 SRAT	9.2	9.7	240		100	70	Total count gamma
	70			Ox	Dry		
NP099 SRAT	0	1	350		65	65	Total count gamma
	90			Ox	Dry	10	
NP099 SRAT	1	1.5	100		65	65	Total count gamma
				Ox	Dry	50	rubbly
NP099 SRAT	1.5	2	110		65	65	Total count gamma
				Ox	Dry	60	rubbly
NP099 SRAT	2	2.5	90		65	65	Total count gamma
				Ox	Dry	60	rubbly
NP099 SRAT	2.5	3	160		65	65	Total count gamma
				Ox	Dry	60	rubbly
NP099 SRAT	3	3.5	150		60	60	Total count gamma
				Ox	Dry	50	rubbly
NP099 SRAT	3.5	4	290		60	60	Total count gamma
				Ox	Dry	20	60
NP099 SRAT	4	4.5	270		210	70	Total count gamma
	60			Ox	Dry		
NP099 SRAT	4.5	5	300		700	70	Total count gamma
	60			Ox	Dry		
NP099 SRAT	5	5.5	220		450	70	Total count gamma
	60			Ox	Dry		30
NP099 SRAT	5.5	6	160		550	70	Total count gamma
	60	Y		Ox	Wet		
NP099 SRAT	6	6.5	210		260	70	Total count gamma
	60		Y	Ox	Wet		
NP099	6.5	7	160		200	70	Total count gamma



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SRAT	60			Ox	Wet		
NP099 SRAT	7	7.5	280		150	70	Total count gamma 10
	60			Ox	Wet	20% red?	
NP099 SRAT	7.5	8.4	240		190	70	Total count gamma
	70			Ox	Wet		
NP099 SRAT	8.4	8.9	100		120	70	Total count gamma
	70			Ox	Wet		
NP099 SRAT	8.9	9	60		110	70	Total count gamma 40
NP100 SRAT	40			Ox	Wet	"hard; no penetration, sand	
NP100 SRAT	0	1	410		65	65	Total count gamma
	90			Ox	Dry	10	
NP100 SRAT	1	1.5	120		65	65	Total count gamma
				Ox	Dry	30	
NP100 SRAT	1.5	2	130		65	65	Total count gamma
				Ox	Dry	40	
NP100 SRAT	2	2.5	120		70	65	Total count gamma
				Ox	Dry	20	
NP100 SRAT	2.5	3	120		80	65	Total count gamma
				Ox	Dry	10	
NP100 SRAT	3	3.5	200		70	65	Total count gamma
	50			Ox	Dry	10	50
NP100 SRAT	3.5	4	210		100	65	Total count gamma
	40			Ox	Dry		
NP100 SRAT	4	4.5	180		300	70	Total count gamma
	50			Ox	Dry		
NP100 SRAT	4.5	5	250		500	70	Total count gamma
	30			Ox	Damp	70	70
NP100 SRAT	5	5.5	160		700	70	Total count gamma
	35			Ox	Wet		65
NP100 SRAT	5.5	6	230		920	70	Total count gamma
	40	Y	Y	Ox	Wet		60
NP100 SRAT	6	6.5	180		500	70	Total count gamma
	50			Ox	Wet		40
NP100	6.5	7	120		380	70	Total count gamma

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SRAT	60			Ox	Wet	40	
NP100 SRAT	7	7.5	250		220	70	Total count gamma 50
	50			Ox	Wet		
NP100 SRAT	7.5	8.2	200		300	70	Total count gamma 10
	70			Ox	Wet		
NP100 SRAT	8.2	8.8	210		170	70	Total count gamma
				Ox	Wet	2 runs	
NP100 SRAT	8.8	9	60		130		Total count gamma
				Ox	Wet	too hard- stop	
NP101 SRAT	0	1	400		85	70	Total count gamma
	70			Ox	Dry	15	
NP101 SRAT	1	1.5	150		70	70	Total count gamma
				Ox	Dry	60	
NP101 SRAT	1.5	2	90		70	70	Total count gamma
				Ox	Dry	60	
NP101 SRAT	2	2.5	220		130	70	Total count gamma
				Ox	Dry	60	
NP101 SRAT	2.5	3	210		150	70	Total count gamma
				Ox	Dry	20	
NP101 SRAT	3	3.5	350		100	70	Total count gamma
				Ox	Dry	20	
NP101 SRAT	3.5	4	240		100	70	Total count gamma
	30			Ox	Dry	60	
NP101 SRAT	4	4.5	190		300	70	Total count gamma
	40			Ox	Dry	60	
NP101 SRAT	4.5	5	300		440	70	Total count gamma
	50			Ox	Dry	50	
NP101 SRAT	5	5.5	230		420	70	Total count gamma
	60		Y	Re	Dry		mod. carbonaceous
NP101 SRAT	5.5	6	150		250	70	Total count gamma
	60		Y	Re	Dry	40	mod. carbonaceous
NP101 SRAT	6	6.5	180		220	70	Total count gamma
	30	Y		Re	Dry	60	
NP101	6.5	7	150		100	70	Total count gamma

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SRAT	60			Ox	Dry	30	
NP101 SRAT	7	7.6	200		550	70	Total count gamma 60
	30			Ox	Dry		
NP101 SRAT	7.6	8	200		320	70	Total count gamma 20
	70			Ox	Dry		half grgy sand over red brown
clay NP101 SRAT	8	8.5	140		130	70	Total count gamma
	70			Ox	Dry		
NP101 SRAT	8.5	9	100		140	70	Total count gamma
	70			Ox	Dry		
NP101 SRAT	9	9.5	170		130	70	Total count gamma
	70			Ox	Dry		
NP102 SRAT	0	1	340		70	70	Total count gamma
	70			Ox	Dry	15	
NP102 SRAT	1	1.5	60		65	65	Total count gamma
				Ox	Dry	40	
NP102 SRAT	1.5	2	170		65	65	Total count gamma
				Ox	Dry	60	
NP102 SRAT	2	2.5	100		70	65	Total count gamma
				Ox	Dry	60	
NP102 SRAT	2.5	3	170		70	65	Total count gamma
				Ox	Dry	40	
NP102 SRAT	3	3.5	250		70	65	Total count gamma
				Ox	Damp		
NP102 SRAT	3.5	4	260		130	65	Total count gamma 60
	40			Ox	Damp		
NP102 SRAT	4	4.5	250		900	70	Total count gamma 40
	50			Ox	Damp		
NP102 SRAT	4.5	5	160		700	70	Total count gamma 40
	60			Ox	wet		
NP102 SRAT	5	5.5	130		320	70	Total count gamma
	60		Y	Ox	wet		
NP102 SRAT	5.5	6	210		220	70	Total count gamma
	60		Y	Re	wet		v. carb clay
NP102	6	6.5	230		150	70	Total count gamma

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SRAT	60		Y	Re	Wet	mod. carb clay	
NP102 SRAT	6.5	7	220		250	70	Total count gamma
	60		Y	Re	Wet	mod. carb clay	
NP102 SRAT	7	7.5	230		250	70	Total count gamma 40
	50		Y	Re	Wet		
NP102 SRAT	7.5	8	160		250	70	Total count gamma 30
	70			Re	Wet		
NP102 SRAT	8	8.8	340		200	70	Total count gamma
	70			Ox	Wet	minor contamin	
NP102 SRAT	8.8	9.5	250		180	70	Total count gamma
	70			Ox	Wet		
NP102 SRAT	9.5	10.6	260		150	70	Total count gamma
	70			Ox	Dry		
NP103 SRAT	0 60	1	330		70	65 30	Total count gamma
				Ox	Dry		
NP103 SRAT	1	1.5	100		65	65 60	Total count gamma
				Ox	Dry		
NP103 SRAT	1.5	2	100		65	65 60	Total count gamma
				Ox	Dry		
NP103 SRAT	2	2.5	130		65	65 70	Total count gamma
				Ox	Dry		
NP103 SRAT	2.5	3	350		70	65 60	Total count gamma
				Ox	Dry	2 runs	
NP103 SRAT	3	3.5	100		65	65	Total count gamma 40
	50			Ox	Dry		
NP103 SRAT	3.5	4	140		100	65	Total count gamma
	60			Ox	Dry		
NP103 SRAT	4	4.5	160		150	70	Total count gamma
	60			Ox	Dry		
NP103 SRAT	4.5	5	160		300	70	Total count gamma
	60			Ox	Wet		
NP103 SRAT	5	5.5	150		500	70	Total count gamma 40
	60	Y		Ox	Wet	fine sand	
NP103	5.5	6	210		550	70	Total count gamma

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SRAT	60		Y	Re	Wet		
NP103 SRAT	6	6.5	230		160	70	Total count gamma
	60		Y	Re	Wet		
NP103 SRAT	6.5	7.2	460		200	70	Total count gamma
	40		Y	Re	Wet	sand	60
NP103 SRAT	7.2	7.6	130		150	70	Total count gamma
	90			Ox	Wet	3/4 red clay	
NP103 SRAT	7.6	8.1	160		150	70	Total count gamma
	90			Ox	Wet		
NP103 SRAT	8.1	8.8	130		130	70	Total count gamma
	90			Ox	Wet		
NP103 SRAT	8.8	9.4	150		150	70	Total count gamma
	90			Ox	Wet		
NP103 SRAT	9.4	9.9	50		150	70	Total count gamma
	90			Ox	Wet		
NP104 SRAT	0	1	270		60	60	Total count gamma
	70			Ox	Dry	20	
NP104 SRAT	1	1.5	120		65	60	Total count gamma
				Ox	Dry	70	
NP104 SRAT	1.5	2	130		70	65	Total count gamma
				Ox	Dry	70	
NP104 SRAT	2	2.5	160		65	65	Total count gamma
				Ox	Dry	70	
NP104 SRAT	2.5	3	220		70	65	Total count gamma
				Ox	Dry	70	
NP104 SRAT	3	3.5	150		70	65	Total count gamma
				Ox	Dry	60	
NP104 SRAT	3.5	4	190		75	65	Total count gamma
				Ox	Damp	30	
NP104 SRAT	4	4.5	270		80	65	Total count gamma
	60			Ox	Damp	10	
NP104 SRAT	4.5	5	210		120	70	Total count gamma
	60			Ox	Wet		
NP104	5	5.5	130		200	70	Total count gamma

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SRAT	60			Ox	Wet		
NP104 SRAT	5.5	6	130		100	70	Total count gamma
	60		Y	Ox	Wet		
NP104 SRAT	6	6.5	100		100	70	Total count gamma
	60		Y	Re	Wet		mod. carb clay
NP104 SRAT	6.5	7	170		200	70	Total count gamma
	60		Y	Re	Wet		v. carb clay
NP104 SRAT	7	7.5	180		220	70	Total count gamma
partly basement"	70			Ox	Wet		"multi colour, mixed mottled,
NP104 SRAT	7.5	8	240		140	70	Total count gamma
partly basement"	80			Ox	Wet		"multi colour, mixed mottled,
NP104 SRAT	8	8.5	110		120	70	Total count gamma
	80			Re	Wet		
NP104 SRAT	8.5	9	110		110	70	Total count gamma
	80			Ox	Wet		
NP104 SRAT	9	9.5	200		140	70	Total count gamma
	80			Ox	Wet		
NP105 SRAT	0	1	390		60	60	Total count gamma
	70			Ox	Dry	20	
NP105 SRAT	1	1.5	120		60	60	Total count gamma
				Ox	Dry	60	
NP105 SRAT	1.5	2	130		60	60	Total count gamma
				Ox	Dry	70	
NP105 SRAT	2	2.5	140		60	60	Total count gamma
				Ox	Dry	70	
NP105 SRAT	2.5	3	220		60	60	Total count gamma
				Ox	Dry	60	
NP105 SRAT	3	3.5	170		70	60	Total count gamma
				Ox	Dry	40	MnO2 stain
NP105 SRAT	3.5	4	170		70	60	Total count gamma
				Ox	Dry	40	
NP105 SRAT	4	4.5	290		75	60	Total count gamma
	60			Ox	Wet	10	
NP105	4.5	5	240		70	60	Total count gamma

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SRAT	50			Ox	Wet	50	
NP105 SRAT	5	5.5	120		80	60	Total count gamma 70
	20			Ox	Wet		
NP105 SRAT	5.5	6	220		600	70	Total count gamma 50
	50		Y	Re	Wet	v. carb	
NP105 SRAT	6	6.5	140		500	70	Total count gamma
	60		Y	Re	Wet	v. carb	
NP105 SRAT	6.5	7	100		280	70	Total count gamma
	60		Y	Re	Wet	v. carb	
NP105 SRAT	7	7.5	280		220	70	Total count gamma
	60			Re	Wet		
NP105 SRAT	7.5	8	250		300	70	Total count gamma
	70			Re	Wet	1/2 red base	
NP105 SRAT	8	8.5	100		120	70	Total count gamma
	70			Ox	Wet	mottled	
NP105 SRAT	8.5	9	180		150	70	Total count gamma
	80			Ox	Wet		
NP105 SRAT	9	9.5	100		120	70	Total count gamma
	80			Ox	Wet		
NP106 SRAT	0 40	1	390		80	65 50	Total count gamma
				Ox	Dry	rubbly calcrete	
NP106 SRAT	1	1.5	90		70	65 100	Total count gamma
				Ox	Dry	rubbly calcrete	
NP106 SRAT	1.5	2	100		70	65 100	Total count gamma
				Ox	Dry	rubbly calcrete	
NP106 SRAT	2	2.5	260		65	65 100	Total count gamma
				Ox	Dry	"2 runs, rubbly calcrete"	
NP106 SRAT	2.5	3	330		65	65 70 40	Total count gamma
				Ox	Dry	"2 runs, rubbly calcrete"	
NP106 SRAT	3	3.5	150		85	65 20	Total count gamma 60
				Ox	Dry		
NP106 SRAT	3.5	4	170		200	70	Total count gamma 60
	20			Ox	Dry		
NP106	4	4.5	260		100	70	Total count gamma

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SRAT	60			Ox	Dry		40
NP106 SRAT	4.5	5	230		380	70	Total count gamma 50
	50			Ox	Dry		
NP106 SRAT	5	5.5	240		200	70	Total count gamma 60
	30			Ox	Wet		
NP106 SRAT	5.5	6	310		150	70	Total count gamma 40
	60			Ox	Wet		
NP106 SRAT	6	6.5	130		290	70	Total count gamma 20
	60		Y	Re	Wet		mod carb clay
NP106 SRAT	6.5	7	210		250	70	Total count gamma
	60		Y	Re	Wet		carb clay
NP106 SRAT	7	7.7	380		220	70	Total count gamma
	60		Y	Re	Wet		carb clay
NP106 SRAT	7.7	8.2	310		150	70	Total count gamma
	70			Ox	Wet		mixed colour clays
NP106 SRAT	8.2	8.7	320		150	70	Total count gamma
	70			Ox	Dry		2 runs
NP107 SRAT	0	1	290		60	60	Total count gamma
	50			Ox	Dry	40	
NP107 SRAT	1	1.5	100		60	60	Total count gamma
				Ox	Dry	80	
NP107 SRAT	1.5	2	240		60	60	Total count gamma
				Ox	Dry	70	
NP107 SRAT	2	2.5	200		60	60	Total count gamma
				Ox	Dry	50	50
NP107 SRAT	2.5	3	130		80	60	Total count gamma
				Ox	Dry	30	
NP107 SRAT	3	3.5	140		100	60	Total count gamma
	20			Ox	Dry		60
NP107 SRAT	3.5	4	180		100	60	Total count gamma
	20			Ox	Dry		60
NP107 SRAT	4	4.5	180		100	60	Total count gamma
	50			Ox	Dry		50
NP107	4.5	5	180		120	60	Total count gamma



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SRAT	50			Ox	Dry	50	
NP107 SRAT	5	5.5	170		100	60	Total count gamma 50
	50			Ox	Dry		
NP107 SRAT	5.5	6	270		120	60	Total count gamma 50
	50			Ox	Dry		
NP107 SRAT	6	6.5	290		110	60	Total count gamma
	60		Y	Re	Wet		carbonaceous
NP107 SRAT	6.5	7	240		100	60	Total count gamma 40
	50			Re	Wet		
NP107 SRAT	7	7.5	290		100	60	Total count gamma 60
	40			Re	Wet		
NP107 SRAT	7.5	8.4	320		150	60	Total count gamma 20
	60			Ox	Wet		1/2 grgy over red br
NP107 SRAT	8.4	9.2	220		150	60	Total count gamma
	70			Ox	Wet		
NP108 SRAT	0	1	370		60	60	Total count gamma
	50			Ox	Dry	40	
NP108 SRAT	1	1.5	200		60	60	Total count gamma
				Ox	Dry	70	
NP108 SRAT	1.5	2	140		60	60	Total count gamma
				Ox	Dry	70	
NP108 SRAT	2	2.5	140		70	60	Total count gamma
				Ox	Dry	60	
NP108 SRAT	2.5	3	260		80	60	Total count gamma
				Ox	Dry	20	
NP108 SRAT	3	3.5	210		200	60	Total count gamma
	50			Ox	Dry		
NP108 SRAT	3.5	4	190		2000	70	Total count gamma
	60	Y		Ox	Dry		2nd U common
NP108 SRAT	4	4.5	160		1200	70	Total count gamma
	60	Y		Ox	Dry		
NP108 SRAT	4.5	5	240		1000	70	Total count gamma
	60			Ox	Damp		
NP108	5	5.5	120		400	70	Total count gamma

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SRAT	60			Ox	Wet	40	
NP108 SRAT	5.5	6	230		300	70	Total count gamma 60
	40		Y	Ox	Wet		
NP108 SRAT	6	6.5	200		160	70	Total count gamma 60
	40		Y	Re	Wet	mod carb	
NP108 SRAT	6.5	7.1	210		100	70	Total count gamma 60
	40		Y	Re	Wet	mod carb	
NP108 SRAT	7.1	7.5	300		330	70	Total count gamma 90
	10			Ox	Wet	coarse clean yell sand	
NP108 SRAT	7.5	8	190		180	70	Total count gamma 40
clay NP108 SRAT	60			Ox	Wet	orbr sand over mottled basement	
	8	9	170		150	70	Total count gamma
	70			Ox	Wet		
NP108 SRAT	9	9.3	140		140	70	Total count gamma
	70			Ox	Wet		
NP108 SRAT	9.3	9.7	260		150	70	Total count gamma
	70			Ox	Dry		
NP109 SRAT	0	1	380		60	60	Total count gamma
	60			Ox	Dry	30	
NP109 SRAT	1	1.5	80		60	60	Total count gamma
				Ox	Dry	70	
NP109 SRAT	1.5	2	120		60	60	Total count gamma
				Ox	Dry	80	
NP109 SRAT	2	2.5	250		65	60	Total count gamma
				Ox	Dry	80	
NP109 SRAT	2.5	3	170		70	60	Total count gamma
				Ox	Dry	30	
NP109 SRAT	3	3.5	190		75	60	Total count gamma
	30			Ox	Dry	20	
NP109 SRAT	3.5	4	220		80	60	Total count gamma
	60			Ox	Dry		
NP109 SRAT	4	4.5	220		120	60	Total count gamma
	60			Ox	Dry		
NP109	4.5	5	240		500	60	Total count gamma

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SRAT	60			Ox	Dry		
NP109 SRAT	5	5.5	190		220	60	Total count gamma
	60			Ox	Dry		
NP109 SRAT	5.5	6	210		220	60	Total count gamma
	60			Ox	Wet		
NP109 SRAT	6	6.5	240		160	60	Total count gamma
	60		Y	Re	Wet		mod carb
NP109 SRAT	6.5	7	120		100	60	Total count gamma
	50		Y	Re	Wet		v. carb
NP109 SRAT	7	7.6	220		480	60	Total count gamma
	10			Ox	Wet		80 clean sand
NP109 SRAT	7.6	8	210		180	60	Total count gamma
	70			Ox	Wet		30 Fe-mottled gy clay (dense)
NP109 SRAT	8	8.5	250		130	60	Total count gamma
	70			Ox	Wet		Fe-mottled gy clay (dense)
NP109 SRAT	8.5	9.3	200		140	60	Total count gamma
	80			Ox	Wet		grades to red brown
NP109 SRAT	9.3	9.6	80		100	60	Total count gamma
				Ox	Wet		2 runs
NP110 SRAT	0	1	400		60	60	Total count gamma
	60			Ox	Dry	30	
NP110 SRAT	1	1.5	130		65	60	Total count gamma
				Ox	Dry	70	
NP110 SRAT	1.5	2	200		60	60	Total count gamma
				Ox	Dry	70	
NP110 SRAT	2	2.5	170		60	60	Total count gamma
				Ox	Dry	40	
NP110 SRAT	2.5	3	200		80	60	Total count gamma
	20			Ox	Dry	10	70
NP110 SRAT	3	3.5	160		95	60	Total count gamma
	60			Ox	Damp	10	
NP110 SRAT	3.5	4	270		400	60	Total count gamma
	60	Y		Ox	Damp		
NP110	4	4.5	240		570	60	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	60			Ox	Damp		
NP110 SRAT	4.5	5	300		620	60	Total count gamma
	60			Ox	Damp		
NP110 SRAT	5	5.5	270		680	60	Total count gamma
	50			Ox	Wet		40
NP110 SRAT	5.5	6	290		320	60	Total count gamma
	50		Y	Ox	Wet		40
NP110 SRAT	6	6.5	260		300	60	Total count gamma
	30		Y	Ox	Wet		60
NP110 SRAT	6.5	7	290		150	60	Total count gamma
	40			Re	Wet		50
NP110 SRAT	7	7.7	280		700	60	Total count gamma
	15			Ox	Wet		80
NP110 SRAT	7.7	8.1	340		160	60	Total count gamma
	70			Ox	Wet		20
NP110 SRAT	8.1	8.6	270		140	60	Total count gamma
	70			Ox	Wet		mottled
NP110 SRAT	8.6	9.3	260		150	60	Total count gamma
	70			Ox	Wet		
NP110 SRAT	9.3	9.7	150		160	60	Total count gamma
	70			Ox	Wet		2 runs
NP111 SRAT	0 60	1	390		60	60 30	Total count gamma
				Ox	Dry		
NP111 SRAT	1	1.5	210		65	60 60	Total count gamma
				Ox	Dry		
NP111 SRAT	1.5	2	340		60	60 60	Total count gamma
				Ox	Dry		
NP111 SRAT	2	2.5	200		65	60 60	Total count gamma
				Ox	Dry		
NP111 SRAT	2.5	3	250		75	60 20	Total count gamma
	30			Ox	Dry		50
NP111 SRAT	3	3.5	220		65	60 10	Total count gamma
	40			Ox	Dry		50
NP111	3.5	4	260		80	60	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	50			Ox	Dry	10	40	
NP111 SRAT	4	4.5	300		620	60	Total count gamma	
	60			Ox	Dry			
NP111 SRAT	4.5	5	350		2000	60	Total count gamma	
	30			Ox	Dry		70	
NP111 SRAT	5	5.5	320		700	70	Total count gamma	
	40			Ox	Wet		60	
NP111 SRAT	5.5	6	220		550	70	Total count gamma	
	40			Ox	Wet		60	
NP111 SRAT	6	6.5	300		360	70	Total count gamma	
	40			Ox	Wet		60	
NP111 SRAT	6.5	7	300		280	70	Total count gamma	
	40			Ox	Wet		60	
NP111 SRAT	7	7.5	300		350	70	Total count gamma	
	30			Ox	Wet		70	
NP111 SRAT	7.5	8	320		220	80	Total count gamma	
	20			Ox	Wet		80	
NP111 SRAT	8	8.7	200		160	80	Total count gamma	
	70			Ox	Wet			
NP111 SRAT	8.7	9	190		140	80	Total count gamma	
	70			Ox	Wet			
NP111 SRAT	9	9.3	50		110	80	Total count gamma	
	50			Ox	Wet		"2 runs, sandy contam?"	
NP112 SRAT	0	1	460		60	65	Total count gamma	
	80			Ox	Dry	10		
NP112 SRAT	1	1.5	180		70	65	Total count gamma	
				Ox	Dry	60		
NP112 SRAT	1.5	2	200		70	65	Total count gamma	
				Ox	Dry	60		
NP112 SRAT	2	2.5	220		65	65	Total count gamma	
				Ox	Dry	40	50	
NP112 SRAT	2.5	3	260		90	65	Total count gamma	
				Ox	Dry	10	50	
NP112	3	3.5	220		80	65	Total count gamma	

# Appendix 4. Drill Geology\_ 2006

SRAT	40			Ox	Dry	10	50	
NP112 SRAT	3.5	4	240		90	65	Total count gamma	40
	60			Ox	Dry			
NP112 SRAT	4	4.5	270		200	65	Total count gamma	40
	60			Ox	Dry			
NP112 SRAT	4.5	5	250		500	65	Total count gamma	
	60			Ox	Dry			
NP112 SRAT	5	5.5	190		430	70	Total count gamma	
	60			Ox	Wet			
NP112 SRAT	5.5	6	240		460	70	Total count gamma	
	60			Ox	Wet			
NP112 SRAT	6	6.5	260		250	70	Total count gamma	
	60	Y		Ox	Wet			
NP112 SRAT	6.5	7	270		150	70	Total count gamma	60
	30			Ox	Wet			
NP112 SRAT	7	7.5	390		100	70	Total count gamma	60
	20			Ox	Wet			
NP112 SRAT	7.5	8	330		220	70	Total count gamma	10
	70			Ox	Wet	half red clay		
NP112 SRAT	8	8.5	310		300	70	Total count gamma	
	70			Ox	Wet			
NP112 SRAT	8.5	9.4	300		180	70	Total count gamma	
	70			Ox	Wet			
NP112 SRAT	9.4	9.9	280		140	70	Total count gamma	
	70			Ox	Dry			
NP113 SRAT	0	1	470		65	65	Total count gamma	2
	90			Ox	Dry			
NP113 SRAT	1	1.5	210		65	65	Total count gamma	5
				Ox	Dry			
NP113 SRAT	1.5	2	140		65	65	Total count gamma	20
				Ox	Dry			
NP113 SRAT	2	2.5	120		65	65	Total count gamma	40
				Ox	Dry			60
NP113	2.5	3	240		70	65	Total count gamma	

# Appendix 4. Drill Geology\_ 2006

SRAT				Ox	Dry	30 MnO2 stain	60
NP113 SRAT	3	3.5	250		80	65	Total count gamma 60
				Ox	Dry		
NP113 SRAT	3.5	4	350		250	65	Total count gamma
	60			Ox	Dry		
NP113 SRAT	4	4.5	280		980	65 15	Total count gamma 40
	60			Ox	Dry		
NP113 SRAT	4.5	5	390		1600	70 5	Total count gamma
	60	Y		Ox	Dry		
NP113 SRAT	5	5.5	220		550	70	Total count gamma 50
	50		Y	Ox	Wet		
NP113 SRAT	5.5	6	230		280	70	Total count gamma 30
	60			Ox	Wet		
NP113 SRAT	6	6.5	220		230	70	Total count gamma
	60			Ox	Wet		
NP113 SRAT	6.5	7.1	320		150	70	Total count gamma 60
	40			Ox	Wet		
NP113 SRAT	7.1	7.5	180		130	70	Total count gamma 60
	30			Ox	Wet		
NP113 SRAT	7.5	8	280		380	70	Total count gamma 60
	40			Ox	Wet		
NP113 SRAT	8	8.5	300		150	70	Total count gamma
	70			Ox	Wet		
NP113 SRAT	8.5	9	380		150	70	Total count gamma
	70			Ox	Wet		
NP113 SRAT	9	9.5	250		150	70	Total count gamma
	70			Ox	Wet		
NP113 SRAT	9.5	10	150		100	70	Total count gamma
	70			Ox	Wet		
NP114 SRAT	0 80	1	470		70	65 10	Total count gamma
				Ox	Dry		
NP114 SRAT	1	1.5	170		60	60 60	Total count gamma
				Ox	Dry		
NP114	1.5	2	170		60	60	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT				Ox	Dry	70	
NP114 SRAT	2	2.5	300	Ox	Dry	60	Total count gamma
						70	
				Ox	Dry	2 runs	
NP114 SRAT	2.5	3	280		60	60	Total count gamma
				Ox	Dry	70	
						2 runs	
NP114 SRAT	3	3.5	220		60	60	Total count gamma
				Ox	Dry	20	60
NP114 SRAT	3.5	4	320		130	60	Total count gamma
				Ox	Dry	20	
						grinding	
NP114 SRAT	4	4.5	330		420	60	Total count gamma
				Ox	Dry	20	80
NP114 SRAT	4.5	5	350		700	60	Total count gamma
	30			Ox	Dry	15	70
NP114 SRAT	5	5.5	320		350	60	Total count gamma
	60			Ox	Wet		40
NP114 SRAT	5.5	6	310		320	60	Total count gamma
	50			Ox	Wet		50
NP114 SRAT	6	6.5	330		400	60	Total count gamma
	50			Ox	Wet		50
NP114 SRAT	6.5	7	260		150	60	Total count gamma
	60			Ox	Wet		
NP114 SRAT	7	7.3	110		100	70	Total count gamma
	60			Ox	Wet	2 runs	
NP114 SRAT	7.3	8	300		200	70	Total count gamma
	70			Ox	Wet	30	
saprolite						1/2 purple gybr granitic	
NP114 SRAT	8	8.5	160		120	70	Total count gamma
	70			Ox	Wet		saprolite
NP114 SRAT	8.5	9.5	280		100	70	Total count gamma
	70			Ox	Wet		saprolite
NP115 SRAT	0	1	540		65	60	Total count gamma
	80			Ox	Dry	5	
						soil	
NP115 SRAT	1	1.5	110		60	60	Total count gamma
				Ox	Dry	70	
						rubbly calcrete	
NP115	1.5	2	230		65	60	Total count gamma



# Appendix 4. Drill Geology\_ 2006

SRAT							
				Ox	Dry	70 silcrete	
NP115 SRAT	2	2.5	170		65	60 70 silcrete	Total count gamma
				Ox	Dry		
NP115 SRAT	2.5	3	180		70	60 60 silcrete	Total count gamma
				Ox	Dry		
NP115 SRAT	3	3.5	170		80	60 40 MnO2 stain (black)	Total count gamma
				Ox	Dry		
NP115 SRAT	3.5	4	370		110	60 10 70 5% silcrete	Total count gamma
	20			Ox	Dry		
NP115 SRAT	4	4.5	260		100	60 5 90 5% silcrete	Total count gamma
	10			Ox	Dry		
NP115 SRAT	4.5	5	340		900	70 90	Total count gamma
	10			Ox	wet		
NP115 SRAT	5	5.5	320		600	70 60	Total count gamma
	40			Ox	wet	sand/clay	
NP115 SRAT	5.5	6	260		500	70 70	Total count gamma
	30			Ox	wet	loose~compact	
NP115 SRAT	6	6.5	360		180	70 70	Total count gamma
	30			Ox	wet		
NP115 SRAT	6.5	7	240		180	70 40	Total count gamma
	60			Ox	wet		
NP115 SRAT	7	7.5	340		150	70 50	Total count gamma
	50			Ox	wet		
NP115 SRAT	7.5	8	260		160	70 70	Total count gamma
	30			Ox	wet	brown mottles	
NP115 SRAT	8	8.5	260		100	70	Total count gamma
	70			Ox	wet	saprolite	
NP115 SRAT	8.5	9	320		110	70	Total count gamma
	70			Ox	wet	saprolite	
NP115 SRAT	9	9.7	360		100	70	Total count gamma
	70			Ox	wet	granitic gneiss saprolite	
NP116 SRAT	0 70	1	400		70	65 15	Total count gamma
				Ox	Dry		
NP116	1	1.5	150		70	65	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT							
				Ox	Dry	70	
NP116 SRAT	1.5	2	190		70	65 70	Total count gamma
				Ox	Dry		
NP116 SRAT	2	2.5	250		65	65 70	Total count gamma
				Ox	Dry		
NP116 SRAT	2.5	3	250		70	65 40	Total count gamma
				Ox	Dry		
NP116 SRAT	3	3.5	240		70	65 10	Total count gamma
				Ox	Dry		
NP116 SRAT	3.5	4	360		180	70 10	Total count gamma
				Ox	Dry	10% sst	
NP116 SRAT	4	4.5	330		1100	70 10	Total count gamma
	20	Y		Ox	Damp	10% sst	80
NP116 SRAT	4.5	5	340		850	70	Total count gamma
	50			Ox	Damp		50
NP116 SRAT	5	5.5	240		800	70	Total count gamma
	40			Ox	Damp		60
NP116 SRAT	5.5	6	300		600	70	Total count gamma
	30			Ox	wet	fine gr sand	70
NP116 SRAT	6	6.5	290		260	70	Total count gamma
	40			Ox	wet	lt br base	60
NP116 SRAT	6.5	7	190		120	70	Total count gamma
	30			Ox	wet		70
NP116 SRAT	7	7.5	270		600	70	Total count gamma
	30			Ox	wet	fine gr sand	70
NP116 SRAT	7.5	8	220		350	70	Total count gamma
	20			Ox	wet	4/5 sand over red clay	80
NP116 SRAT	8	8.5	250		250	70	Total count gamma
	70			Ox	wet		
NP117 SRAT	0 80	1	360		60	60 10	Total count gamma
				Ox	Dry		
NP117 SRAT	1	1.5	170		65	60 70	Total count gamma
				Ox	Dry		
NP117	1.5	2	130		65	60	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT							
				Ox	Dry	70	
NP117 SRAT	2	2.5	160		60	60	Total count gamma
				Ox	Dry	70	
NP117 SRAT	2.5	3	140		75	60	Total count gamma
				Ox	Dry	50	
NP117 SRAT	3	3.5	200		70	60	Total count gamma
				Ox	Dry	30	MnO2 stain
NP117 SRAT	3.5	4	320		100	60	Total count gamma
				Ox	Dry	30	grinding on rocks
NP117 SRAT	4	4.5	6		240	800	Total count gamma
		Y		Ox	Dry	30	80 grinding; 2nd U pellets
NP117 SRAT	4.5	5	230		400	60	Total count gamma
				Ox	wet	90	coarse sand
NP117 SRAT	5	5.5	300		350	60	Total count gamma
	40			Ox	wet	60	
NP117 SRAT	5.5	6	220		500	70	Total count gamma
	30			Ox	wet	70	fine sand
NP117 SRAT	6	6.5	400		450	70	Total count gamma
	40			Ox	wet	60	
NP117 SRAT	6.5	7	140		360	70	Total count gamma
	50			Ox	wet	50	
NP117 SRAT	7	7.5	260		160	70	Total count gamma
	50			Ox	wet	50	
NP117 SRAT	7.5	8	170		120	70	Total count gamma
	20			Ox	wet	80	
NP117 SRAT	8	8.5	230		80	70	Total count gamma
	10			Ox	wet	90	coarse sand; red clay at base
NP117 SRAT	8.5	9	300		200	70	Total count gamma
	70			Ox	wet		
NP117 SRAT	9	9.5	190		180	70	Total count gamma
	70			Ox	wet		
NP118 SRAT	0	1	360		65	65	Total count gamma
	70			Ox	Dry	20	
NP118	1	1.5	120		60	60	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT							
				Ox	Dry	60	
NP118 SRAT	1.5	2	90		65	60 70	Total count gamma
				Ox	Dry		
NP118 SRAT	2	2.5	330		60	60 60 2 runs	Total count gamma
				Ox	Dry		
NP118 SRAT	2.5	3	180		60	60 40	Total count gamma
				Ox	Dry		
NP118 SRAT	3	3.5	220		60	60 20	Total count gamma
				Ox	Dry		
NP118 SRAT	3.5	4	250		70	60 30 70	Total count gamma
				Ox	Dry	MnO2 stain	
NP118 SRAT	4	4.5	320		380	60 20 60	Total count gamma
	40			Ox	Dry	MnO2 stain	
NP118 SRAT	4.5	5	270		130	70	Total count gamma
	10			Ox	Wet	coarse sand	
NP118 SRAT	5	5.5	360		370	70	Total count gamma
	30			Ox	Wet	brown mottles	
NP118 SRAT	5.5	6	270		270	70	Total count gamma
	40			Ox	Wet		
NP118 SRAT	6	6.5	320		360	70	Total count gamma
	30			Ox	Wet	coarse sand	
NP118 SRAT	6.5	7	210		220	70	Total count gamma
	50			Ox	Wet	br mottling	
NP118 SRAT	7	7.5	260		160	70	Total count gamma
	50			Ox	Wet	br streaking	
NP118 SRAT	7.5	8	170		120	70	Total count gamma
	20			Ox	Wet	c sand	
NP118 SRAT	8	8.5	240		150	70	Total count gamma
	70			Ox	Wet	1/2 red clay	
NP118 SRAT	8.5	9	200		150	70	Total count gamma
	70			Ox	Wet		
NP118 SRAT	9	9.5	160		160	70	Total count gamma
	70			Ox	Wet		
NP119	0	1	470		75	70	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	80						
				Ox	Dry		
NP119 SRAT	1	1.5	250		80	70	Total count gamma
				Ox	Dry	20	
NP119 SRAT	1.5	2	170		70	70	Total count gamma
				Ox	Dry	20	
NP119 SRAT	2	2.5	200		65	65	Total count gamma
				Ox	Dry	20	
NP119 SRAT	2.5	3	200		70	65	Total count gamma
				Ox	Dry	20	
NP119 SRAT	3	3.5	240		75	65	Total count gamma
				Ox	Dry	40	
NP119 SRAT	3.5	4	380		1700	70	Total count gamma
	50	Y		Ox	Dry	2nd u	50
NP119 SRAT	4	4.5	270		2500	70	Total count gamma
	30	Y		Ox	Dry	10	60
NP119 SRAT	4.5	5	100		400	70	Total count gamma
	10			Ox	wet		90
NP119 SRAT	5	5.5	420		600	70	Total count gamma
	30	Y		Ox	wet		70
NP119 SRAT	5.5	6	300		370	70	Total count gamma
	60	Y		Ox	wet		30
NP119 SRAT	6	6.5	340		320	70	Total count gamma
	70	Y		Ox	wet		30
NP119 SRAT	6.5	7	230		200	70	Total count gamma
	30			Ox	wet		70
NP119 SRAT	7	7.5	250		140	70	Total count gamma
	60			Ox	wet		30
NP119 SRAT	7.5	8	270		330	70	Total count gamma
	60			Ox	wet		30
NP119 SRAT	8	8.5	260		150	70	Total count gamma
	60			Ox	wet		40
NP120 SRAT	0	1	400		60	60	Total count gamma
	70			Ox	Dry	20	
NP120	1	1.5	110		65	65	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT							
				Ox	Dry	60	
NP120 SRAT	1.5	2	130		70	65	Total count gamma
				Ox	Dry	70	
NP120 SRAT	2	2.5	240		60	60	Total count gamma
				Ox	Dry	80	
NP120 SRAT	2.5	3	250		60	60	Total count gamma
				Ox	Dry	70	
NP120 SRAT	3	3.5	300		90	65	Total count gamma
	50			Ox	Dry		
NP120 SRAT	3.5	4	250		450	70	Total count gamma
	60			Ox	Dry		
NP120 SRAT	4	4.5	340		880	70	Total count gamma
	50	Y		Ox	Dry	10	30
NP120 SRAT	4.5	5	430		900	70	Total count gamma
	60			Ox	Dry		40
NP120 SRAT	5	5.5	260		1300	80	Total count gamma
	60			Ox	wet		
NP120 SRAT	5.5	6.4	450		250	80	Total count gamma
	20			Ox	wet		80
NP120 SRAT	6.4	7	360		200	80	Total count gamma
	60			Ox	wet		
NP120 SRAT	7	7.7	390		150	80	Total count gamma
	50	Y		Ox	wet		50
NP120 SRAT	7.7	8.4	350		100	80	Total count gamma
	20			Ox	wet		80
NP120 SRAT	8.4	9.1	250		190	80	Total count gamma
	70			Ox	Dry		
NP120 SRAT	9.1	9.5	100		120	80	Total count gamma
	70			Ox	Dry		
NP121 SRAT	0	1	380		70	70	Total count gamma
				Ox	Dry	100	
NP121 SRAT	1	1.5	190		70	70	Total count gamma
				Ox	Dry	100	
NP121	1.5	2	360		90	70	Total count gamma
							(caving collar)

# Appendix 4. Drill Geology\_ 2006

SRAT				Ox	Dry	100 "2 runs, (caving collar)"	
NP121 SRAT	2	2.5	310		200	70 80	Total count gamma
				Ox	Dry	2 runs	
NP121 SRAT	2.5	3	230		230	70 40	Total count gamma
				Ox	Dry	powdery	
NP121 SRAT	3	3.5	250		180	70 10	Total count gamma
				Ox	Dry	powdery;sandy	
NP121 SRAT	3.5	4	280		280	70 10	Total count gamma
				Ox	Dry		
NP121 SRAT	4	4.5	370		200	70 20	Total count gamma
				Ox	Damp	20% silcrete	
NP121 SRAT	4.5	5	210		130	70	Total count gamma
	40			Ox	Wet		60
NP121 SRAT	5	5.5	350		110	70	Total count gamma
	60			Ox	Wet		30
NP121 SRAT	5.5	6	340		130	70	Total count gamma
	60			Ox	Wet		
NP121 SRAT	6	6.5	250		380	70	Total count gamma
	50			Ox	Wet		40
NP121 SRAT	6.5	7	220		400	70	Total count gamma
	60			Ox	Wet		
NP121 SRAT	7	7.5	280		120	70	Total count gamma
	60			Ox	Wet		
NP121 SRAT	7.5	8	190		100	70	Total count gamma
	60		Y	Ox	Wet	mod. carb	
NP121 SRAT	8	8.3	160		90	70	Total count gamma
	20			Ox	Wet		70
NP121 SRAT	8.3	8.9	440		180	70	Total count gamma
	70			Ox	Wet		
NP121 SRAT	8.9	9.5	320		110	70	Total count gamma
	70			Ox	Wet	2 runs	
NP121 SRAT	9.5	9.9	20		100	70	Total count gamma
	40			Ox	Wet	mostly crap	
NP122	0	1	500		150	70	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT						100 rubbly calcrete
				Ox	Dry	
NP122	1	1.5	220		150	70 Total count gamma
SRAT						100
				Ox	Dry	(nodular)
NP122	1.5	2	370		180	70 Total count gamma
SRAT						100
				Ox	Dry	(nodular)
NP122	2	2.5	280		100	70 Total count gamma
SRAT						100
				Ox	Dry	(nodular)
NP122	2.5	3	340		100	70 Total count gamma
SRAT						70
				Ox	Dry	(nodular)
NP122	3	3.5	160		85	70 Total count gamma
SRAT						40
				Ox	Dry	60
NP122	3.5	4	270		90	70 Total count gamma
SRAT						20
				Ox	Dry	60
NP122	4	4.5	290		130	70 Total count gamma
SRAT						10
	10			Ox	Dry	70
NP122	4.5	5	330		130	70 Total count gamma
SRAT						20
				Ox	wet	80
						20%silcrete
NP122	5	5.5	110		140	70 Total count gamma
SRAT						40
	60			Ox	wet	
NP122	5.5	6	300		100	70 Total count gamma
SRAT						50
	50			Ox	wet	
NP122	6	6.5	340		120	70 Total count gamma
SRAT						50
	50			Ox	wet	
NP122	6.5	7	300		420	70 Total count gamma
SRAT						50
	50	Y		Ox	wet	
NP122	7	7.5	350		300	70 Total count gamma
SRAT						40
	60		Y	Re	wet	mod. carb
NP122	7.5	8	290		120	70 Total count gamma
SRAT						50
	50	Y	Y	Re	wet	
NP122	8	8.5	310		90	70 Total count gamma
SRAT						
	60			Re	wet	20% pallid Fe mod carb - mottled
NP122	8.5	9	410		120	70 Total count gamma
SRAT						
	70			Re	wet	10% pallid over rich red
NP122	9	9.5	380		100	70 Total count gamma



# Appendix 4. Drill Geology\_ 2006

SRAT	70			Ox	Wet		
NP122 SRAT	9.5	9.8	120		100	70	Total count gamma
	70			Ox	Wet		
NP123 SRAT	0	1	420		70	65	Total count gamma
				Ox	Dry	100	rubbly calcrete
NP123 SRAT	1	1.5	110		65	65	Total count gamma
				Ox	Dry	100	(nodular)
NP123 SRAT	1.5	2	150		100	65	Total count gamma
				Ox	Dry	100	(nodular)
NP123 SRAT	2	2.5	300		100	65	Total count gamma
				Ox	Dry	100	(nodular)
NP123 SRAT	2.5	3	270		70	65	Total count gamma
				Ox	Dry	70	30
NP123 SRAT	3	3.5	210		110	65	Total count gamma
				Ox	Dry	20	80
NP123 SRAT	3.5	4	290		150	70	Total count gamma
	10			Ox	Dry	15	80
NP123 SRAT	4	4.5	270		100	70	Total count gamma
	15			Ox	Dry	5	80
NP123 SRAT	4.5	5	310		320	70	Total count gamma
	25			Ox	Wet	15	60
NP123 SRAT	5	5.5	320		400	70	Total count gamma
	60	Y		Ox	Wet		br mottling
NP123 SRAT	5.5	6	180		180	70	Total count gamma
	60			Ox	Wet		
NP123 SRAT	6	6.5	370		180	70	Total count gamma
	60			Ox	Wet		
NP123 SRAT	6.5	7	260		550	70	Total count gamma
	60	Y		Ox	Wet		sand
NP123 SRAT	7	7.5	400		80	70	Total count gamma
	60			Ox	Wet		
NP123 SRAT	7.5	8	300		80	70	Total count gamma
	30			Ox	Wet		c sand loose
NP123	8	8.5	380		190	70	Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	70			Ox	wet	pallid clay over red clay
NP123 SRAT	8.5	8.9	140		130	70 Total count gamma
	70			Ox	wet	2 runs
NP124 SRAT	0	1	420		60	60 Total count gamma
				Ox	Dry	100 rubbly calcrete
NP124 SRAT	1	1.5	230		60	60 Total count gamma
				Ox	Dry	100 (caving) 2 runs
NP124 SRAT	1.5	2	210		60	60 Total count gamma
				Ox	Dry	100 (caving) 2 runs
NP124 SRAT	2	2.5	400		60	60 Total count gamma
				Ox	Dry	100 "(caving) 2 runs, hard"
NP124 SRAT	2.5	3	360		60	60 Total count gamma
				Ox	Dry	100 "3 runs, caving, hard"
NP124 SRAT	3	3.5	260		65	60 Total count gamma
				Ox	Dry	80 "3 runs, 20% silc grinding"
NP124 SRAT	3.5	4	350		120	60 Total count gamma
				Ox	Dry	50 "50% silcrete, hard"
NP124 SRAT	4	4.5	240		90	60 Total count gamma
				Ox	Damp	50 50% silcrete
NP124 SRAT	4.5	5	150		85	60 Total count gamma
				Ox	wet	60 60% silcrete
NP124 SRAT	5	5.5	300		100	60 Total count gamma
	40			Ox	wet	20 20% silcrete
NP124 SRAT	5.5	6	440		180	70 Total count gamma
	60			Ox	wet	10 40
NP124 SRAT	6	6.5	440		360	70 Total count gamma
	60	Y		Ox	wet	40
NP124 SRAT	6.5	7	300		300	70 Total count gamma
	70			Ox	wet	64
NP124 SRAT	7	7.5	210		120	70 Total count gamma
	40	Y		Re	wet	60 mod. carb
NP124 SRAT	7.5	8	290		100	70 Total count gamma
	40			Ox	wet	60
NP124	8	8.5	300		90	70 Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	80			Ox	wet	pale gy - yell stained
NP124 SRAT	8.5	9	390		120	70 Total count gamma
	70			Ox	wet	clay over red clay
NP124 SRAT	9	9.4	230		120	70 Total count gamma
	70			Ox	wet	
NP125 SRAT	0	1	400		85	70 Total count gamma
				Ox	Dry	100
NP125 SRAT	1	1.5	180		75	70 Total count gamma
				Ox	Dry	60 40
NP125 SRAT	1.5	2	150		75	70 Total count gamma
				Ox	Dry	40 60
NP125 SRAT	2	2.5	130		70	70 Total count gamma
				Ox	Dry	30 70
NP125 SRAT	2.5	3	260		80	70 Total count gamma
	20			Ox	Dry	20 60
NP125 SRAT	3	3.5	220		75	70 Total count gamma
	70			Ox	Damp	30 30% silcrete
NP125 SRAT	3.5	4	220		90	70 Total count gamma
				Ox	wet	30 70 30% silcrete
NP125 SRAT	4	4.5	320		100	70 Total count gamma
	60			Ox	wet	10 30 10% silcrete
NP125 SRAT	4.5	5	290		80	70 Total count gamma
	60			Ox	wet	30
NP125 SRAT	5	5.5	200		100	70 Total count gamma
	60		Y	Ox	wet	30
NP125 SRAT	5.5	6	220		100	70 Total count gamma
	40			Ox	wet	60
NP125 SRAT	6	6.5	280		100	70 Total count gamma
	30			Ox	wet	60
NP125 SRAT	6.5	7	250		80	70 Total count gamma
	10			Ox	wet	90
NP125 SRAT	7	7.5	300		100	70 Total count gamma
	80			Ox	wet	pallid clay
NP125	7.5	8	410		90	70 Total count gamma

# Appendix 4. Drill Geology\_ 2006

SRAT	80			Ox	Wet	mottled red and ?Fe stone looks
like dk red clay with radiating 'starburst' calcite XLS throughout (very hard)						
NP125 SRAT	8	8.5	290		100	70 Total count gamma
	80			Ox	Wet	tr blk FeOx
NP126 SRAT	0	1	600		120	60 Total count gamma
				Ox	Dry	100 powdery calcrete
NP126 SRAT	1	1.5	170		100	60 Total count gamma
				Ox	Dry	100 powdery calcrete
NP126 SRAT	1.5	2	170		100	60 Total count gamma
				Ox	Dry	90 powdery clacrete
NP126 SRAT	2	2.5	230		100	60 Total count gamma
				Ox	Dry	50 powdery clacrete
NP126 SRAT	2.5	3	220		90	60 Total count gamma
	20			Ox	Dry	30 40
NP126 SRAT	3	3.5	330		90	60 Total count gamma
	20			Ox	Dry	40 50
NP126 SRAT	3.5	4	300		110	60 Total count gamma
	20			Ox	Dry	30 50
NP126 SRAT	4	4.5	420		500	60 Total count gamma
	60			Ox	Damp	
NP126 SRAT	4.5	5	310		200	70 Total count gamma
	60			Ox	Wet	
NP126 SRAT	5	5.5	380		150	70 Total count gamma
	60		Y	Ox	Wet	
NP126 SRAT	5.5	6	220		550	70 Total count gamma
	40		Y	Ox	Wet	60 sand
NP126 SRAT	6	6.5	240		180	70 Total count gamma
	40			Re	Wet	60
NP126 SRAT	6.5	7	260		160	70 Total count gamma
	30			Ox	Wet	60
NP126 SRAT	7	7.5	210		100	70 Total count gamma
	20			Ox	Wet	80
NP126 SRAT	7.5	8	260		100	70 Total count gamma
	80			Ox	Wet	10 coarse loose sand (top)

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NP126 SRAT	8 70	8.5	320	Ox	130 Wet	70	Total count gamma
NP126 SRAT	8.5 70	9	340	Ox	100 Wet	70	Total count gamma
NP126 SRAT	9 70	9.2	140	Ox	100 Dry	70	Total count gamma
NP127 SRAT	0 50	1	330	Ox	55 Dry	55 30	Total count gamma
NP127 SRAT	1	1.5	200	Ox	60 Dry	55 60	Total count gamma
NP127 SRAT	1.5	2	100	Ox	60 Dry	55 70	Total count gamma
NP127 SRAT	2	2.5	220	Ox	60 Dry	55 60	Total count gamma
NP127 SRAT	2.5	3	290	Ox	60 Dry	55 70 3 runs	Total count gamma
NP127 SRAT	3	3.5	220	Ox	60 Dry	55 70	Total count gamma
NP127 SRAT	3.5	4	300	Ox	70 Dry	55 60	Total count gamma
NP127 SRAT	4	4.5	160	Ox	65 Dry	55 20 '	Total count gamma
NP127 SRAT	4.5 60	5	330	Ox	80 Dry	55	Total count gamma
NP127 SRAT	5 60	5.5	240	Ox	90 Dry	60	Total count gamma
NP127 SRAT	5.5 60	6	280	Ox	95 Dry	60	Total count gamma
NP127 SRAT	6 60	6.5	230	Ox	190 Wet	60	Total count gamma 30
NP127 SRAT	6.5 30	7	280	Ox	10 Wet	60	Total count gamma 70
NP127 SRAT	7 40	7.5	230	Ox	100 Wet	60	Total count gamma 60

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NP127 SRAT	7.5 30	8	260	Ox	950 wet	60	Total count gamma 70
NP127 SRAT	8 40	8.5	160	Ox	90 Dry	60	Total count gamma 60
NP128 SRAT	0 50	1	370	Ox	65 Dry	60 25	Total count gamma
NP128 SRAT	1	1.5	100	Ox	65 Dry	60 40	Total count gamma
NP128 SRAT	1.5	2	130	Ox	65 Dry	60 60	Total count gamma
NP128 SRAT	2	2.5	240	Ox	70 Dry	60 70	Total count gamma
NP128 SRAT	2.5	3	300	Ox	80 Dry	60 70	Total count gamma hard silcrete band
NP128 SRAT	3	3.5	400	Ox	75 Dry	60 60	Total count gamma 3 runs
NP128 SRAT	3.5	4	230	Ox	70 Dry	60 40	Total count gamma 2 runs
NP128 SRAT	4 30	4.5	210	Ox	80 Dry	60 20	Total count gamma 40
NP128 SRAT	4.5 60	5	220	Ox	100 Dry	60	Total count gamma
NP128 SRAT	5 60	5.5	250	Ox	100 Wet	60	Total count gamma
NP128 SRAT	5.5 30	6	250	Ox	110 Wet	60	Total count gamma 70
NP128 SRAT	6 30	6.5	270	Ox	100 Wet	60	Total count gamma 70
NP128 SRAT	6.5 50	7	100 Y	Ox	480 Wet	60	Total count gamma 50 mod. carb
NP128 SRAT	7 60	7.5	230	Ox	200 Wet	60	Total count gamma 40
NP128 SRAT	7.5 60	8	100	Ox	270 Wet	60	Total count gamma 30

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NP128 SRAT	8	8.5				Total count gamma
basement"	70			Ox	wet	"pallid and red br clay,
NP129 SRAT	0	1	300		75	60 Total count gamma
				Ox	Dry	100 hard bouldery
NP129 SRAT	1	1.5	190		75	60 Total count gamma
				Ox	Dry	100 calcrete and powder
NP129 SRAT	1.5	2	240		90	60 Total count gamma
				Ox	Dry	100 calcrete and powder
NP129 SRAT	2	2.5	210		90	60 Total count gamma
				Ox	Dry	100 calcrete and powder
NP129 SRAT	2.5	3	300		75	60 Total count gamma
				Ox	Dry	100 calcrete and powder
NP129 SRAT	3	3.5	200		65	60 Total count gamma
				Ox	Dry	90 powdery clacrete and clay
NP129 SRAT	3.5	4	250		70	60 Total count gamma
	60			Ox	Dry	20 20
NP129 SRAT	4	4.5	330		75	60 Total count gamma
	30			Ox	Damp	15 50 15% silcrete
NP129 SRAT	4.5	5	160		80	60 Total count gamma
	20			Ox	wet	30 50 30% silcrete
NP129 SRAT	5	5.5	280		110	60 Total count gamma
	30			Ox	wet	50 20 "hard, 50% silcrete"
NP129 SRAT	5.5	6	270		120	60 Total count gamma
	30			Ox	wet	10 60 10% silcrete
NP129 SRAT	6	6.5	310		100	60 Total count gamma
	60			Ox	wet	
NP129 SRAT	6.5	7	410		80	60 Total count gamma
	40		Y	Ox	wet	60
NP129 SRAT	7	7.5	250		200	60 Total count gamma
	20			Ox	wet	70
NP129 SRAT	7.5	8	380		80	60 Total count gamma
	20			Ox	wet	70
NP130 SRAT	0	1	410		55	55 Total count gamma
	50			Ox	Dry	40

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NP130 SRAT	1	1.5	270	Ox	Dry	55 55 50	Total count gamma
NP130 SRAT	1.5	2	250	Ox	Dry	65 55 60	Total count gamma
NP130 SRAT	2	2.5	210	Ox	Dry	300 60 70	Total count gamma
NP130 SRAT	2.5	3	260	Ox	Dry	500 60 60	Total count gamma
NP130 SRAT	3	3.5	270	Ox	Dry	700 60 30	Total count gamma 30
NP130 SRAT	3.5	4	260	Ox	Dry	1650 60	Total count gamma
NP130 SRAT	4	4.5	300	Ox	Dry	1200 60 30	Total count gamma 40
NP130 SRAT	30			Ox	Dry	30% silcrete	
NP130 SRAT	4.5	5	310	Ox	Dry	950 60 10	Total count gamma 60
NP130 SRAT	30	Y		Ox	Dry	2nd U pellets	
NP130 SRAT	5	5.5	210	Ox	Wet	1000 60	Total count gamma 70
NP130 SRAT	20	Y		Ox	Wet		
NP130 SRAT	5.5	6	190	Ox	Wet	450 60	Total count gamma 60
NP130 SRAT	40	Y		Ox	Wet	2nd U common	
NP130 SRAT	6	6.5	250	Ox	Wet	350 60	Total count gamma 40
NP130 SRAT	60			Ox	Wet		
NP130 SRAT	6.5	6.7	210	Ox	Wet	280 60	Total count gamma 40
NP130 SRAT	60			Ox	Wet		
NP130 SRAT	6.7	6.8	250	Ox	Wet	200 60	Total count gamma 30
NP130 SRAT	60			Ox	Wet	green and grbr	
NP130 SRAT	6.8	8	340	Ox	Wet	100 60	Total count gamma 80
NP130 SRAT	20			Ox	Wet		
NP131 SRAT	0 80	1	480	Ox	Dry	60 60 10	Total count gamma
NP131 SRAT	1	1.5	270	Ox	Dry	60 60 40	Total count gamma 2 runs
NP131 SRAT	1.5	2	230	Ox	Dry	60 60 60	Total count gamma 2 runs



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NP131 SRAT	2	2.5	260	Ox	Dry	65 60 60	Total count gamma
NP131 SRAT	2.5 60	3	270	Ox	Dry	60 60 30	Total count gamma
NP131 SRAT	3 60	3.5	340	Ox	Dry	65 60 10 2 runs	Total count gamma
NP131 SRAT	3.5 60	4	360	Ox	Damp	65 60 15	Total count gamma 25
NP131 SRAT	4 40	4.5	350	Ox	Wet	80 60 20	Total count gamma 45
NP131 SRAT	4.5 15	5	410	Ox	Wet	100 60 5	Total count gamma 80
NP131 SRAT	5 10	5.5	390	Ox	Wet	180 60	Total count gamma 90
NP131 SRAT	5.5 90	6	450	Ox	Wet	1400 60 10	Total count gamma
NP131 SRAT	6 10	6.5	390	Ox	Wet	900 60 5	Total count gamma 90
NP131 SRAT	6.5 40	7	360	Ox	Wet	200 60	Total count gamma 60 limonitic stain
NP131 SRAT	7 40	7.5	410	Ox	Wet	200 60	Total count gamma 60
NP131 SRAT	7.5 30	8	460	Ox	Wet	200 60	Total count gamma 60 coarse-granule sand over clay
NP131 SRAT	8 70	8.4		Ox	Wet		Total count gamma on base
NP132 SRAT	0 60	1	500	Ox	Dry	65 60 30	Total count gamma
NP132 SRAT	1	1.5	330	Ox	Dry	65 65 60	Total count gamma
NP132 SRAT	1.5	2	360	Ox	Dry	65 60 60	Total count gamma
NP132 SRAT	2	2.5	380	Ox	Dry	65 60 60	Total count gamma

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NP132 SRAT	2.5	3	300		65	60 50	Total count gamma
				Ox	Dry		
NP132 SRAT	3	3.5	230		60	60 40	Total count gamma
				Ox	Dry		
NP132 SRAT	3.5	4	310		65	60 30	Total count gamma
	20			Ox	Dry		
NP132 SRAT	4	4.5	350		150	60 40	Total count gamma
	20	Y		Ox	Damp		
NP132 SRAT	4.5	5	370		180	60	Total count gamma
	10			Ox	wet	coarse loose sand	90
NP132 SRAT	5	5.5	380		500	60	Total count gamma
	10			Ox	wet	coarse loose sand	90
NP132 SRAT	5.5	6	380		700	60	Total count gamma
	40			Ox	wet		60
NP132 SRAT	6	6.5	410		300	60	Total count gamma
	30			Ox	wet		70
NP132 SRAT	6.5	7	410		130	60	Total count gamma
	30			Ox	wet		60
NP132 SRAT	7	7.5	300		130	60	Total count gamma
	60			Ox	wet		30
NP132 SRAT	7.5	8	390		200	60	Total count gamma
	50			Ox	wet		50
NP132 SRAT	8	8.4	240		100	60	Total count gamma
	30			Ox	wet	coarse loose sand	70
NP132 SRAT	8.4	9					Total count gamma
				Ox	wet	pallid grey/redbr clay	
NP133 SRAT	0 70	1	510		65	60 25	Total count gamma
				Ox	Dry		
NP133 SRAT	1	1.5	240		60	60 40	Total count gamma
				Ox	Dry		
NP133 SRAT	1.5	2	300		60	60 40	Total count gamma
				Ox	Dry		
NP133 SRAT	2	2.5	250		60	55 40	Total count gamma
				Ox	Dry		

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NP133 SRAT	2.5	3	280		60	55 40	Total count gamma
				Ox	Dry	sl MnO2 stain (black)	
NP133 SRAT	3	3.5	210		60	55 40	Total count gamma
				Ox	Dry	mod MnO2 stain	
NP133 SRAT	3.5	4	310		65	55 60	Total count gamma
				Ox	Dry		
NP133 SRAT	4	4.5	390		150	55 40 60	Total count gamma
				Ox	Damp	40% silcrete	
NP133 SRAT	4.5	5	410		100	60	Total count gamma
	30			Ox	Wet	70	
NP133 SRAT	5	5.5	260		420	60	Total count gamma
	60			Ox	Wet	30	
NP133 SRAT	5.5	6	380		900	60	Total count gamma
	55			Ox	Wet	45	
NP133 SRAT	6	6.5	300		700	60	Total count gamma
	35			Ox	Wet	65	
NP133 SRAT	6.5	7	240		200	60	Total count gamma
	15			Ox	Wet	80	
						coarse loose sand	
NP133 SRAT	7	7.1	310		260	60	Total count gamma
	60			Ox	Wet	40	
NP133 SRAT	7.1	8	420		100	60	Total count gamma
	60			Ox	Wet	40	
NP133 SRAT	8	8.5	160		70	60	Total count gamma
	30			Ox	Wet	70	
						0.5 run only taken	
NP134 SRAT	0 80	1	550		65	60 15	Total count gamma
				Ox	Dry		
NP134 SRAT	1	1.5	290		65	60 40	Total count gamma
				Ox	Dry		
NP134 SRAT	1.5	2	170		60	60 70	Total count gamma
				Ox	Dry		
NP134 SRAT	2	2.5	300		60	60 70	Total count gamma
				Ox	Dry		
NP134 SRAT	2.5	3	280		60	60 70	Total count gamma
				Ox	Dry		

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NP134 SRAT	3	3.5	260	Ox	Dry	70 60 60	Total count gamma
NP134 SRAT	3.5	4	490	Ox	Dry	210 60 20	Total count gamma
NP134 SRAT	4	4.5	340	Ox	Dry	1200 60 20	Total count gamma
NP134 SRAT	4.5	5	450	Ox	Wet	500 60	Total count gamma
NP134 SRAT	5	5.5	430	Ox	Wet	200 60	Total count gamma
NP134 SRAT	5.5	6	470	Ox	Wet	170 60	Total count gamma
NP134 SRAT	6	6.5	300	Ox	Wet	120 60	Total count gamma
NP134 SRAT	6.5	7	320	Ox	Wet	80 60	Total count gamma
NP134 SRAT	7	7.6	420	Ox	Wet	800 60	Total count gamma
NP134 SRAT	7.6	8.2	360	Ox	Wet	140 60	Total count gamma
NP135 SRAT	0 50	1	570	Ox	Dry	60 60 30	Total count gamma
NP135 SRAT	1	1.5	260	Ox	Dry	60 60 60	Total count gamma
NP135 SRAT	1.5	2	320	Ox	Dry	60 60 60	Total count gamma
NP135 SRAT	2	2.5	320	Ox	Dry	60 60 60	Total count gamma
NP135 SRAT	2.5	3	430	Ox	Dry	70 60 70	Total count gamma
NP135 SRAT	3	3.5	300	Ox	Dry	85 60 60	Total count gamma
NP135 SRAT	3.5	4	370	Ox	Dry	200 60 10	Total count gamma

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NP135 SRAT	4	4.5	220	350	60	Total count gamma 70
	30			Ox	Dry	
NP135 SRAT	4.5	5	390	380	60	Total count gamma 35
	40			Ox	Damp	
NP135 SRAT	5	5.5	290	200	600	Total count gamma 60
	40			Ox	Wet	
NP135 SRAT	5.5	6	340	160	60	Total count gamma 70
	30			Ox	Wet	
NP135 SRAT	6	6.5	400	330	60	Total count gamma 80
	20			Ox	Wet	
NP135 SRAT	6.5	7	450	160	60	Total count gamma 60
	40			Ox	Wet	
NP135 SRAT	7	7.9	380	960	60	Total count gamma 60
	40			Ox	Wet	
NP135 SRAT	7.9	8.3	100	200	60	Total count gamma
	60			Ox	Wet	1/5 sand (could be fall down)
4/5 red clay - sand weight only						
NP136 SRAT	0	1	710	65	65	Total count gamma
	50			Ox	Dry	
NP136 SRAT	1	1.5	290	80	60	Total count gamma
				Ox	Dry	100
NP136 SRAT	1.5	2	290	70	60	Total count gamma
				Ox	Dry	100
NP136 SRAT	2	2.5	280	70	60	Total count gamma
				Ox	Dry	100
NP136 SRAT	2.5	3	300	70	60	Total count gamma
				Ox	Dry	100
NP136 SRAT	3	3.5	240	65	60	Total count gamma
				Ox	Dry	40
\						
NP136 SRAT	3.5	4	290	70	60	Total count gamma
	20			Ox	Dry	50
NP136 SRAT	4	4.5	370	90	60	Total count gamma
	20			Ox	Damp	60
NP136 SRAT	4.5	5	460	150	60	Total count gamma
	40			Ox	Damp	60

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NP136 SRAT	5	5.5	450		150	60	Total count gamma 70
	30			Ox	wet		v fine med sand
NP136 SRAT	5.5	6	460		250	60	Total count gamma 70
	30			Ox	wet		v fine med sand
NP136 SRAT	6	6.5	200		400	60	Total count gamma 80
	10			Ox	wet		
NP136 SRAT	6.5	7	360		100	60	Total count gamma
	60			Ox	Wet		
NP136 SRAT	7	7.5	350		700	60	Total count gamma 60
	40			Ox	wet		
NP136 SRAT	7.5	8	280		400	60	Total count gamma 70
	10			Ox	wet		"1/2 sed, 1/2 red clay"
NP137 SRAT	0	1	660		350	60	Total count gamma 70
	20			Ox	Dry		
NP137 SRAT	1	1.5	380		230	60	Total count gamma 100
				Ox	Dry		powdery clacrete cuttings
NP137 SRAT	1.5	2.5	360		160	60	Total count gamma 100
				Ox	Dry		"lost 0.5m, powdery"
NP137 SRAT	2.5	3	300		100	60	Total count gamma 100
				Ox	Dry		powdery
NP137 SRAT	3	3.5	210		90	60	Total count gamma 80
	20			Ox	Dry		
NP137 SRAT	3.5	4	350		90	60	Total count gamma 20
	30			Ox	Dry		50
NP137 SRAT	4	4.5	390		200	60	Total count gamma 20
	30			Ox	Dry		50
NP137 SRAT	4.5	5	340		180	60	Total count gamma 20
	10			Ox	Dry		70
NP137 SRAT	5	5.5	350		200	60	Total count gamma 70
	30			Ox	Dry		
NP137 SRAT	5.5	6	430		700	60	Total count gamma 70
	30			Ox	wet		
NP137 SRAT	6	6.5	290		1200	60	Total count gamma 70
	30		Y	Re	Wet		

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NP137 SRAT	6.5	7.1	320		200	60	Total count gamma 60
	30		Y	Re	wet		carb sand on br clay
NP137 SRAT	7.1	7.5	380		300	60	Total count gamma 70
	30			Ox	wet		
NP137 SRAT	7.5	8	440		400	60	Total count gamma 30
base	60			Ox	wet		Tr purple br clay- saprolite @
NP138 SRAT	0	1	600		65	60	Total count gamma 60
				Ox	Dry		
NP138 SRAT	1	1.5	280		60	55	Total count gamma 100
				Ox	Dry		
NP138 SRAT	1.5	2	330		60	60	Total count gamma 100
				Ox	Dry		
NP138 SRAT	2	2.5	260		60	60	Total count gamma 100
				Ox	Dry		
NP138 SRAT	2.5	3	310		60	55	Total count gamma 80
				Ox	Dry		
NP138 SRAT	3	3.5	240		90	60	Total count gamma 60
				Ox	Dry		
NP138 SRAT	3.5	4	380		120	60	Total count gamma 60
	20			Ox	Dry		
NP138 SRAT	4	4.5	360		160	60	Total count gamma 40
	30			Ox	wet		
NP138 SRAT	4.5	5	370		1500	60	Total count gamma 30
	40	Y		Ox	wet	30	2nd U common
NP138 SRAT	5	5.5	340		1200	60	Total count gamma 10
	30			Ox	wet		
NP138 SRAT	5.5	6	380		800	60	Total count gamma 70
	30			Ox	wet		v f-m sand
NP138 SRAT	6	6.5	370		750	60	Total count gamma 60
	30			Ox	wet		
NP138 SRAT	6.5	7	240		270	60	Total count gamma 30
	70			Ox	wet		
NP138 SRAT	7	7.5	430		230	60	Total count gamma 40
	60			Ox	wet		

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NP138 SRAT	7.5	8	390		400	60	Total count gamma
	30			Ox	wet	60	all granite saprolite
NP138 SRAT	8	8.6					Total count gamma
	40			Ox	Dry		all granite saprolite
NP139 SRAT	0	1	510		60	60	Total count gamma
	30			Ox	Dry	60	
NP139 SRAT	1	1.5	280		60	60	Total count gamma
				Ox	Dry	100	
NP139 SRAT	1.5	2	270		65	60	Total count gamma
				Ox	Dry	100	
NP139 SRAT	2	2.5	350		60	60	Total count gamma
				Ox	Dry	100	
NP139 SRAT	2.5	3	280		65	60	Total count gamma
				Ox	Dry	100	
NP139 SRAT	3	3.5	290		100	60	Total count gamma
				Ox	Dry	100	hard silcr. band
NP139 SRAT	3.5	4	330		90	60	Total count gamma
				Ox	Dry	100	hard silcr. band
NP139 SRAT	4	4.5	300		600	60	Total count gamma
	20			Ox	Dry	50	30 hard silc
NP139 SRAT	4.5	5	480		1200	60	Total count gamma
	60	Y		Ox	Dry	20	20 2nd U minor
NP139 SRAT	5	5.5	280		650	60	Total count gamma
	40		Y	Re	Dry	60	carbonaceous spots
NP139 SRAT	5.5	6	320		500	60	Total count gamma
	30	Y		Ox	Dry	60	VF-F sand
NP139 SRAT	6	6.5	290		230	60	Total count gamma
	25			Ox	Dry	60	
NP139 SRAT	6.5	7	430		180	60	Total count gamma
	50			Ox	Dry	50	
NP139 SRAT	7	7.5	440		420	60	Total count gamma
	60			Ox	Dry	30	
NP139 SRAT	7.5	8.4	230		150	60	Total count gamma
				Ox	Dry		"1/2 sediment, 1/2 purple saprolite"



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NP140 SRAT	0 40	1	490		60	60 40	Total count gamma
				Ox	Dry		
NP140 SRAT	1	1.5	270		70	60 100	Total count gamma
				Ox	Dry		
NP140 SRAT	1.5	2	290		70	60 100	Total count gamma
				Ox	Dry		
NP140 SRAT	2	3	410		65	60 100	Total count gamma
				Ox	Dry		
NP140 SRAT	3	3.5	230		70	60 20	Total count gamma
	20			Ox	Dry	60	
NP140 SRAT	3.5	4	360		150	60 20	Total count gamma
	20			Ox	Dry	60	
NP140 SRAT	4	4.5	320		150	60 20	Total count gamma
	15			Ox	Dry	80	
NP140 SRAT	4.5	5	370		650	60	Total count gamma
	15			Ox	Dry	80	
NP140 SRAT	5	5.5	380		770	60	Total count gamma
	20			Ox	Dry	70	
NP140 SRAT	5.5	6	300		800	60	Total count gamma
	20		Y	Re	wet	mod. carb	70
NP140 SRAT	6	6.5	290		300	60	Total count gamma
	60			Ox	wet	30	
NP140 SRAT	6.5	7.1	280		180	60	Total count gamma
	50			Ox	wet	40	
NP140 SRAT	7.1	7.5	420		200	60	Total count gamma
	40			Ox	wet	60	
NP140 SRAT	7.5	8.3	260		170	60	Total count gamma
	30			Ox	wet	70	
						90% sed 10% red clay	
NP141 SRAT	0 40	1	570		70	60 60	Total count gamma
				Ox	Dry		
NP141 SRAT	1	1.5	180		65	60 100	Total count gamma
				Ox	Dry		
NP141 SRAT	1.5	2	150		70	65 100	Total count gamma
				Ox	Dry		

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NP141 SRAT	2	2.5	280		65	60	Total count gamma
				Ox	Dry	100 MnO2 stain	
NP141 SRAT	2.5	3	230		65	60	Total count gamma
				Ox	Dry	80	40
NP141 SRAT	3	3.5	230		150	60	Total count gamma
				Ox	Dry	70	30
NP141 SRAT	3.5	4	230		65	60	Total count gamma
				Ox	Dry	60	
NP141 SRAT	4	4.5	210		70	60	Total count gamma
				Ox	Dry	40	
NP141 SRAT	4.5	5	360		150	60	Total count gamma
	50			Ox	Dry	10	50
NP141 SRAT	5	5.5	410		240	60	Total count gamma
	60			Ox	Dry		40
NP141 SRAT	5.5	6	330		420	60	Total count gamma
	60			Ox	Damp		40
NP141 SRAT	6	6.5	330		320	60	Total count gamma
	50			Ox	wet		50
NP141 SRAT	6.5	7	220		230	60	Total count gamma
	60			Ox	wet		30
NP141 SRAT	7	7.5	300		450	60	Total count gamma
	40			Ox	wet		60
NP141 SRAT	7.5	8.1	190		350	60	Total count gamma
	30			Ox	wet	4/5 sed; 1/5 Dk red clay	70
NP142 SRAT	0	1	430		80	65	Total count gamma
	30			Ox	Dry	60	
NP142 SRAT	1	1.5	120		75	65	Total count gamma
				Ox	Dry	100	
NP142 SRAT	1.5	2	280		70	65	Total count gamma
				Ox	Dry	100	
NP142 SRAT	2	2.5	290		75	65	Total count gamma
				Ox	Dry	100	
NP142 SRAT	2.5	3	310		75	65	Total count gamma
	20			Ox	Dry	60	25

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NP142 SRAT	3	3.5	190		70	65	Total count gamma
	20			Ox	Dry	20	60
NP142 SRAT	3.5	4	200		70	65	Total count gamma
	30			Ox	Dry	10	60
NP142 SRAT	4	4.5	190		80	65	Total count gamma
	40			Ox	Dry	10	60
NP142 SRAT	4.5	5	320		300	65	Total count gamma
	50			Ox	Dry	10	40
NP142 SRAT	5	5.5	410		300	65	Total count gamma
	60			Ox	Dry	10	30
NP142 SRAT	5.5	6	300		320	65	Total count gamma
	60		Y	Ox	Dry		30
NP142 SRAT	6	6.5	270		300	65	Total count gamma
	60			Ox	Wet		30
NP142 SRAT	6.5	7	150		150	65	Total count gamma
	30		Y	Re	Wet	mod. carb	60
NP142 SRAT	7	7.8	450		350	65	Total count gamma
	40		Y	Re	Wet	mod. carb	60
NP142 SRAT	7.8	8	50				Total count gamma
	60			Ox	Wet	40% sand 60% red clay	40
NP143 SRAT	0	1	440		50	50	Total count gamma
	30			Ox	Dry	70	
NP143 SRAT	1	1.5	190		50	50	Total count gamma
				Ox	Dry	100	
NP143 SRAT	1.5	2	230		55	50	Total count gamma
				Ox	Dry	100	
NP143 SRAT	2	2.5	230		60	50	Total count gamma
				Ox	Dry	40	60
NP143 SRAT	2.5	3	260		70	55	Total count gamma
				Ox	Dry	30	70
NP143 SRAT	3	3.5	280		80	55	Total count gamma
	20			Ox	Dry	30	50
NP143 SRAT	3.5	4	280		2800	60	Total count gamma
	50	Y		Ox	Dry	10	40

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NP143 SRAT	4	4.5	240		1500	70	Total count gamma
	10	Y		Re	Dry	10	80 abundant 2nd U
NP143 SRAT	4.5	5	180		470	70	Total count gamma
				Re	Dry	90	loose ox sand
NP143 SRAT	5	5.5	220		600	70	Total count gamma
	60			Re	Dry	30	
NP143 SRAT	5.5	6	190		400	70	Total count gamma
	50			Re	Dry	40	
NP143 SRAT	6	6.5	310		300	70	Total count gamma
	70			Re	Dry	20	heavy clay
NP143 SRAT	6.5	7	200		280		Total count gamma
	70			Re	Dry	20	
NP143 SRAT	7	7.5	310		180	70	Total count gamma
	70			Re	Dry		tr red clay at base
NP143 SRAT	7.5	8					Total count gamma
	70			Ox	Wet		
NP144 SRAT	0	1	450		50	50	Total count gamma
	30			Ox	Dry	60	
NP144 SRAT	1	1.5	280		70	50	Total count gamma
				Ox	Dry	100	
NP144 SRAT	1.5	2	170		60	50	Total count gamma
				Ox	Dry	100	
NP144 SRAT	2	2.5	250		60	50	Total count gamma
				Ox	Dry	40	60
NP144 SRAT	2.5	3	210		60	50	Total count gamma
	10			Ox	Dry	40	50
NP144 SRAT	3	3.5	280		120	60	Total count gamma
	20	Y		Ox	Damp	10	80 tr 2nd U on silcrete
NP144 SRAT	3.5	4	270		120	60	Total count gamma
	10			Ox	Damp	20	70
NP144 SRAT	4	4.5	240		90	60	Total count gamma
	10			Ox	Wet	90	
NP144 SRAT	4.5	5	240		600	60	Total count gamma
	20			Ox	Wet	80	

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NP144 SRAT	5	5.5	300		320	60	Total count gamma 40
	60			Ox	Wet		
NP144 SRAT	5.5	6	350		290	60	Total count gamma 20
	60			Ox	Wet		
NP144 SRAT	6	6.5	240		550	60	Total count gamma 30
	60			Ox	Wet		
NP144 SRAT	6.5	7.2	460		120	60	Total count gamma
	60			Ox	Wet	2 runs	
NP145 SRAT	0	1	500		75	70	Total count gamma
	70			Ox	Dry	30	
NP145 SRAT	1	1.5	310		85	70	Total count gamma
				Ox	Dry	100	
NP145 SRAT	1.5	2	200		80	70	Total count gamma
				Ox	Dry	100	
NP145 SRAT	2	2.5	200		130	70	Total count gamma
				Ox	Dry	40	60
NP145 SRAT	2.5	3	210		600	70	Total count gamma
	10	Y		Ox	Dry	30	60
NP145 SRAT	3	3.5	250		1300	70	Total count gamma
	20	Y		Ox	Dry	10	70
NP145 SRAT	3.5	4	220		2000	70	Total count gamma
	10	Y		Ox	Dry	10	80
NP145 SRAT	4	4.5	330		800	70	Total count gamma
	20	Y		Ox	Dry	10	70
NP145 SRAT	4.5	5	290		500	70	Total count gamma
	30	Y		Ox	Dry		70
NP145 SRAT	5	5.5	270		520	70	Total count gamma
	40			Ox	Wet		60
NP145 SRAT	5.5	6	250		550	70	Total count gamma
	60			Ox	Wet		30
NP145 SRAT	6	6.5	260		420	70	Total count gamma
	50			Ox	Wet		40
NP145 SRAT	6.5	7	260		220	70	Total count gamma
	60			Ox	Wet		

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NP145 SRAT	7 60	7.5 Y	410		180	70	Total count gamma
				Ox	Wet		
NP145 SRAT	7.5 60	8.5	320				Total count gamma
				Y	Re	Wet	carbonaceous clay
NP145 SRAT	8.5 50	9	440		110		Total count gamma
				Ox	Wet		1/3 carb sand 2/3 brown clay
NP146 SRAT	0 40	1	610		80	60 40	Total count gamma
				Ox	Dry		
NP146 SRAT	1	1.5	230		120	60 100	Total count gamma
				Ox	Dry		
NP146 SRAT	1.5	2	310		200	60 100	Total count gamma
				Ox	Dry		
NP146 SRAT	2 30	2.5	230		550	60 70	Total count gamma
				Ox	Dry		
NP146 SRAT	2.5 40	3	170		1050	60 40	Total count gamma
				Ox	Dry		30
NP146 SRAT	3 40	3.5	170		3500	60 40	Total count gamma
		Y		Ox	Dry		30
NP146 SRAT	3.5 60	4	340		4000	60 20	Total count gamma
				Ox	Dry		20
NP146 SRAT	4 60	4.5	430		1700	60 20	Total count gamma
				Ox	Damp		20
NP146 SRAT	4.5 30	5	320		400	60	Total count gamma
				Ox	Wet		70
NP146 SRAT	5 40	5.5	330		400	60	Total count gamma
				Ox	Wet		60
NP146 SRAT	5.5 70	6	390		300	60	Total count gamma
				Ox	Wet		30
NP146 SRAT	6 60	6.5	320		400	60	Total count gamma
			Y	Re	Wet		30
							mod sl carb
NP146 SRAT	6.5 70	7	370		250	60	Total count gamma
			Y	Re	Wet		30
							carbonaceous clay
NP146 SRAT	7 60	7.5	360		210	60	Total count gamma
			Y	Ox	Wet		30

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NP146 SRAT	7.5 60	8	330		140	60	Total count gamma
				Ox	Wet		
NP146 SRAT	8 70	8.5	480		150	60	Total count gamma
				Ox	Wet	sed + br Ferr clay	
NP146 SRAT	8.5 70	9					Total count gamma
				Ox	Wet		
NP147 SRAT	0 50	1	490		55	55 50	Total count gamma
				Ox	Dry		
NP147 SRAT	1	1.5	190		80	60 100	Total count gamma
				Ox	Dry		
NP147 SRAT	1.5	2	200		90	60 100	Total count gamma
				Ox	Dry		
NP147 SRAT	2	2.5	300		90	60 100	Total count gamma
				Ox	Dry		
NP147 SRAT	2.5	3	330		80	60 100	Total count gamma
				Ox	Dry	20	
NP147 SRAT	3	3.5	220		70	60 60 40	Total count gamma
				Ox	Dry	hard silcrete	
NP147 SRAT	3.5	4	330		80	60 40 60	Total count gamma
				Ox	Dry	hard silcrete	
NP147 SRAT	4	4.5	490		80	60 30 70	Total count gamma
				Ox	Dry		
NP147 SRAT	4.5 20	5	270		200	60 30 50	Total count gamma
				Ox	Damp		
NP147 SRAT	5 40	5.5	240		700	60 20 40	Total count gamma
				Ox	Wet		
NP147 SRAT	5.5 60	6	230		350	60 30	Total count gamma
				Ox	Wet		
NP147 SRAT	6 50	6.5	290		560	60 50	Total count gamma
				Ox	Wet		
NP147 SRAT	6.5 40	7	190		600	60 60	Total count gamma
		Y	Y	Ox	Wet	carb sand. 2nd u lump	
NP147 SRAT	7 40	7.5	360		900	60 60	Total count gamma
		Y	Re	Wet	carb sand		

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NP147 SRAT	7.5 40	8.3	430			220	60	Total count gamma 60
	granitic saprolite		Y	Re	wet			carb sand/clay. Tr basal
NP148 SRAT	0 50	1	500			60	60 50	Total count gamma
				Ox	Dry			
NP148 SRAT	1	1.5	180			70	60 100	Total count gamma
				Ox	Dry			
NP148 SRAT	1.5	2	250			75	60 100	Total count gamma
				Ox	Dry			
NP148 SRAT	2	2.5	260			80	60 100	Total count gamma
				Ox	Dry			
NP148 SRAT	2.5	3	390			75	60 100	Total count gamma
				Ox	Dry			"4 runs, rubbly silcrete (hard)"
NP148 SRAT	3	3.5	280			70	60 100	Total count gamma
				Ox	Dry			rubbly silcrete (hard)
NP148 SRAT	3.5 20	4	360			70	60 30	Total count gamma 60
				Ox	Dry			
NP148 SRAT	4 10	4.5	280			90	60 10	Total count gamma 80
				Ox	Dry			
NP148 SRAT	4.5 40	5	380			500	60 10	Total count gamma 50
				Ox	Damp			
NP148 SRAT	5 60	5.5	310			700	60	Total count gamma
		Y		Ox	Damp			minor 2nd U
NP148 SRAT	5.5 50	6	240			400	60	Total count gamma 30
				Ox	Damp			
NP148 SRAT	6 30	6.5	330			1400	60	Total count gamma 70
			Y	Re	Damp			spotty carbon
NP148 SRAT	6.5 20	7	150			500	60	Total count gamma 70
			Y	Re	Damp			spotty carbon
NP148 SRAT	7 40	7.5	370			650	60	Total count gamma 60
			Y	Re	Damp			v. carb sand/clay
NP148 SRAT	7.5 60	7.7	130			850	60	Total count gamma 40
		Y		Ox	Damp			1/3 carb clay over 2/3 gr
NP149 SRAT	0 40	1	610			65	60 50	Total count gamma
				Ox	Dry			



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NP149 SRAT	1	1.5	160	Ox	Dry	70 60 100	Total count gamma
NP149 SRAT	1.5	2	360	Ox	Dry	70 60 100	Total count gamma
NP149 SRAT	2	2.5	330	Ox	Dry	100 60 70 30	Total count gamma hard (grinding) silcrete
NP149 SRAT	2.5	3	300	Ox	Dry	140 60 20	Total count gamma
NP149 SRAT	3	3.5	310	Ox	Dry	1700 60 20	Total count gamma
NP149 SRAT	3.5	4	280	Ox	Dry	1100 60 10 40	Total count gamma
NP149 SRAT	4	4.5	230	Ox	Damp	3500 60 10 40	Total count gamma
NP149 SRAT	4.5	5	460	Ox	Damp	1400 60	Total count gamma
NP149 SRAT	5	5.5	220	Ox	Damp	750 60	Total count gamma
NP149 SRAT	5.5	6	390	Ox	Damp	800 60 60	Total count gamma
NP149 SRAT	6	6.5	380	Ox	wet	600 20 60	Total count gamma
NP149 SRAT	6.5	7	260	Ox	wet	250 60	Total count gamma
NP149 SRAT	7	7.5	340	Ox	wet	160 60	Total count gamma
NP149 SRAT	7.5	8.4	100	Ox	wet	170 60 30	Total count gamma
NP150 SRAT	0	1	500	Ox	Dry	70 60 20	Total count gamma
NP150 SRAT	1	1.5	240	Ox	Dry	80 60 100	Total count gamma
NP150 SRAT	1.5	2	180	Ox	Dry	80 60 100	Total count gamma

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NP150 SRAT	2	2.5	260	85	60	Total count gamma
				Ox	Dry	100 silcrete (grinding)
NP150 SRAT	2.5	3	260	700	60	Total count gamma
	20			Ox	Dry	30 40 silcrete (grinding)
NP150 SRAT	3	3.5	210	800	60	Total count gamma
	30	Y		Ox	Dry	20 40
NP150 SRAT	3.5	4	220	900	60	Total count gamma
	30	Y		Ox	Dry	20 50
NP150 SRAT	4	4.5	310	1500	60	Total count gamma
	40			Ox	Dry	60
NP150 SRAT	4.5	5	350	2500	60	Total count gamma
	50	Y		Ox	Dry	50
NP150 SRAT	5	5.5	360	1000	60	Total count gamma
	30	Y		Ox	Wet	60 2nd U common
NP150 SRAT	5.5	6	220	950	60	Total count gamma
	30	Y		Ox	Wet	65
NP150 SRAT	6	6.5	350	500	60	Total count gamma
	60			Ox	Wet	30
NP150 SRAT	6.5	7	200	700	60	Total count gamma
	30			Ox	Wet	70
NP150 SRAT	7	7.5	190	300	60	Total count gamma
	50	Y		Re	Wet	50 sl carb
NP150 SRAT	7.5	8	120	120	60	Total count gamma
	60			Ox	Wet	20 1/4 sed 1/4 pallid qz clay 1/2
NP151 SRAT	0	1	630	60	60	Total count gamma
	30			Ox	Dry	60
NP151 SRAT	1	1.5	250	60	60	Total count gamma
				Ox	Dry	100
NP151 SRAT	1.5	2	230	60	60	Total count gamma
				Ox	Dry	100 powdery calcrete
NP151 SRAT	2	2.5	310	60	60	Total count gamma
	10			Ox	Dry	90
NP151 SRAT	2.5	3	200	60	60	Total count gamma
	10			Ox	Dry	90 minor blk MnO2 stain

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NP151 SRAT	3	3.5	230		70	60	Total count gamma
	10			Ox	Dry	90	
NP151 SRAT	3.5	4	290		60	60	Total count gamma
	10			Ox	Dry	90	
NP151 SRAT	4	4.5	180		60	60	Total count gamma
	10			Ox	Damp	90	
NP151 SRAT	4.5	5	300		70	60	Total count gamma
	20			Ox	Wet	60	10
NP151 SRAT	5	5.5	240		95	60	Total count gamma
	30			Ox	Wet	30	40
NP151 SRAT	5.5	6	320		130	60	Total count gamma
	60		Y	Re	Wet	mod carb	40
NP151 SRAT	6	6.5	280		150	60	Total count gamma
	60		Y	Re	Wet	mod carb	40
NP151 SRAT	6.5	7	190		70	60	Total count gamma
	60		Y	Re	Wet	carb clay	30
NP151 SRAT	7	7.5	360		300	60	Total count gamma
	50		Y	Re	Wet	sl carb	50
NP151 SRAT	7.5	8.4	280		150	60	Total count gamma
	60			Ox	Wet	1/4 red clay	20
NP152 SRAT	0	1	560		60	60	Total count gamma
	40			Ox	Dry	60	
NP152 SRAT	1	1.5	240		60	60	Total count gamma
				Ox	Dry	100	
NP152 SRAT	1.5	2	180		60	60	Total count gamma
				Ox	Dry	100	
NP152 SRAT	2	2.5	220		70	60	Total count gamma
				Ox	Dry	100	
NP152 SRAT	2.5	3	220		70	60	Total count gamma
				Ox	Dry	100	
NP152 SRAT	3	3.5	160		70	60	Total count gamma
				Ox	Dry	70	30
NP152 SRAT	3.5	4	210		80	60	Total count gamma
				Ox	Dry	70	30

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NP152 SRAT	4	4.5	260		75	60	Total count gamma
				Ox	Dry	70	20
NP152 SRAT	4.5	5	340		70	60	Total count gamma
	10			Ox	wet	60	20
NP152 SRAT	5	5.5	150		80	60	Total count gamma
	60			Ox	wet	40	
NP152 SRAT	5.5	6	330		120	60	Total count gamma
	60		Y	Ox	wet	sl carb	40
NP152 SRAT	6	6.5	320		230	60	Total count gamma
	60		Y	Ox	wet	carb clay	20
NP152 SRAT	6.5	7	370		320	60	Total count gamma
	70		Y	Ox	wet	v carb clay	
NP152 SRAT	7	7.5	330		120	60	Total count gamma
	70		Y	Ox	wet	v carb clay	
NP152 SRAT	7.5	8	180		200	60	Total count gamma
	70			Ox	wet	4/5 sed ;1/5 red clay	
NP153 SRAT	0	1	410		60	60	Total count gamma
				Ox	Dry	60	
NP153 SRAT	1	1.5	220		55	55	Total count gamma
				Ox	Dry	100	
NP153 SRAT	1.5	2	200		55	55	Total count gamma
				Ox	Dry	100	
NP153 SRAT	2	2.5	260		55	55	Total count gamma
				Ox	Dry	100	
NP153 SRAT	2.5	3	300		55	50	Total count gamma
				Ox	Dry	80	20
NP153 SRAT	3	3.5	210		60	55	Total count gamma
				Ox	Dry	60	40
NP153 SRAT	3.5	4	280		70	55	Total count gamma
	20			Ox	Dry	20	60
NP153 SRAT	4	4.5	310		70	55	Total count gamma
	30			Ox	Dry	10	60
NP153 SRAT	4.5	5	400		80	55	Total count gamma
	40			Ox	Dry	10	50

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NP153 SRAT	5	5.5	300		70	55	Total count gamma
	40			Ox	Dry	10	50
NP153 SRAT	5.5	6	300		150	60	Total count gamma
	30		Y	Ox	Dry		70
							mod carb sand
NP153 SRAT	6	6.5	270		100	60	Total count gamma
	40		Y	Re	Dry		60
							v carb sand
NP153 SRAT	6.5	7.2	460		300	60	Total count gamma
	50		Y	Re	Dry		50
							v carb sand
NP153 SRAT	7.2	7.8	380		220	60	Total count gamma
	40		Y	Re	Dry		60
							v carb sand
NP153 SRAT	7.5	8.7					Total count gamma
	40						
	70			Ox	Dry		90% red clay
NP154 SRAT	0	1	570		55	55	Total count gamma
				Ox	Dry	50	
NP154 SRAT	1	1.5	100		65	55	Total count gamma
				Ox	Dry	100	
NP154 SRAT	1.5	2	240		85	55	Total count gamma
		Y		Ox	Dry	100	
							tr 2nd u on calcrete
NP154 SRAT	2	2.5	210		90	55	Total count gamma
				Ox	Dry	100	
NP154 SRAT	2.5	3	180		75	55	Total count gamma
				Ox	Dry	100	
NP154 SRAT	3	3.5	250		85	55	Total count gamma
				Ox	Dry	60	40
NP154 SRAT	3.5	4	330		300	55	Total count gamma
	20			Ox	Dry	40	40
NP154 SRAT	4	4.5	290		300	55	Total count gamma
	20			Ox	Dry	20	60
NP154 SRAT	4.5	5	430		300	55	Total count gamma
	40			Ox	Damp	10	50
NP154 SRAT	5	5.5	260		250	55	Total count gamma
	50			Ox	Wet		50
NP154 SRAT	5.5	6	330		400	55	Total count gamma
	50	Y	Y	Re	Wet		mod carb

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NP154 SRAT	6	6.7	440		150	55	Total count gamma 50
	50		Y	Re	wet	v carb	
NP154 SRAT	6.7	7.2	310		320	55	Total count gamma 20
	60		Y	Re	wet	v carb clay	
NP154 SRAT	7.2	7.7	310		190	55	Total count gamma 60
	30		Y	Re	Dry	carb sand	
NP154 SRAT	7.7	8.5					Total count gamma
	70			Ox	Wet		
NP155 SRAT	0	1	510		55	50	Total count gamma 95
				Ox	Dry		
NP155 SRAT	1	1.5	230		75	55	Total count gamma 100
				Ox	Dry		
NP155 SRAT	1.5	2	170		80	55	Total count gamma 100
				Ox	Dry		
NP155 SRAT	2	2.5	180		70	55	Total count gamma 100
				Ox	Dry		
NP155 SRAT	2.5	3	240		80	55	Total count gamma 100
				Ox	Dry		
NP155 SRAT	3	3.5	250		100	60	Total count gamma 100
				Ox	Dry		
NP155 SRAT	3.5	4	400		120	60	Total count gamma 80 20
				Ox	Dry		
NP155 SRAT	4	4.5	250		80	60	Total count gamma 60 30
	10			Ox	Damp		
NP155 SRAT	4.5	5	280		80	60	Total count gamma 70 20
	10			Ox	wet		
NP155 SRAT	5	5.5	210		220	60	Total count gamma 50 30
	20		Y	Ox	wet	sl carb	
NP155 SRAT	5.5	6	380		300	60	Total count gamma
	70		Y	Re	wet	dense carb clay	
NP155 SRAT	6	6.5	330		200	60	Total count gamma
	70		Y	Re	wet	mod carb clay	
NP155 SRAT	6.5	7	100		90	60	Total count gamma
	60		Y	Re	wet	mod carb clay	

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NP155 SRAT	7	7.5	360		100	60	Total count gamma
	60			Re	Wet		
NP155 SRAT	7.5	8	100		90	60	Total count gamma
	60			Ox	wet	40	1/2 sed 1/2 red clay
NP156 SRAT	0	1	430		75	65	Total count gamma
				Ox	Dry	100	rubbly calcrete powdery
NP156 SRAT	1	1.5	210		80	65	Total count gamma
				Ox	Dry	100	"2 runs, rubbly calcrete and
powdery cuttings"							
NP156 SRAT	1.5	2	200		80	65	Total count gamma
				Ox	Dry	100	"2 runs, rubbly calcrete and
powdery cuttings"							
NP156 SRAT	2	2.5	300		85	60	Total count gamma
				Ox	Dry	100	"2 runs, rubbly calcrete and
powdery cuttings"							
NP156 SRAT	2.5	3	220		75	65	Total count gamma
				Ox	Dry	100	"2 runs, rubbly calcrete and
powdery cuttings"							
NP156 SRAT	3	3.5	200		70	65	Total count gamma
	40			Ox	Dry	40	20
						2 runs	
NP156 SRAT	3.5	4	220		80	70	Total count gamma
	30			Ox	Dry	30	40
						silcrete rubble	
NP156 SRAT	4	4.5	240		150	70	Total count gamma
	30			Ox	Damp	30	40
NP156 SRAT	4.5	5	250		500	70	Total count gamma
	30			Ox	wet	20	50
NP156 SRAT	5	5.5	310		400	70	Total count gamma
	40			Ox	wet	10	60
NP156 SRAT	5.5	6	240		400	70	Total count gamma
	40			Ox	wet		60
NP156 SRAT	6	6.5	300		450	70	Total count gamma
	40			Re	wet		60
						mod carb	
NP156 SRAT	6.5	7	150		320	70	Total count gamma
	60		Y	Ox	wet		40
						sl carb	
NP156 SRAT	7	7.5	280		250	70	Total count gamma
	60		Y	Ox	wet		30
NP156 SRAT	7.5	8	330		150	70	Total count gamma
	60			Ox	wet		40

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NP156 SRAT	8	8.8	75				Total count gamma
	70			Ox	wet	all lat clay	
NP157 SRAT	0	1	590		70	65	Total count gamma
	100			Ox	Dry	soil	
NP157 SRAT	1	1.5	170		65	65	Total count gamma
	40			Ox	Dry	20 30 (?) soil and rubble	
NP157 SRAT	1.5	2	140		70	65	Total count gamma
				Ox	Dry	40	
NP157 SRAT	2	2.5	160		70	65	Total count gamma
	10			Ox	Dry	60 30	
NP157 SRAT	2.5	3	230		70	65	Total count gamma
	10			Ox	Dry	50 40	
NP157 SRAT	3	3.5	140		70	65	Total count gamma
	10			Ox	Dry	50 40	
						platey silcrete slabs	
NP157 SRAT	3.5	4	250		150	65	Total count gamma
	10			Ox	Dry	50 40	
NP157 SRAT	4	4.5	210		160	70	Total count gamma
	20			Ox	Dry	20 60	
NP157 SRAT	4.5	5	320		180	70	Total count gamma
	25			Ox	Dry	70	
NP157 SRAT	5	5.5	270		200	70	Total count gamma
	30			Ox	Dry	50	
NP157 SRAT	5.5	6	310		350	70	Total count gamma
	50			Ox	Damp	40	
NP157 SRAT	6	6.5	250		340	70	Total count gamma
	70		Y	Re	wet	20 v . carb clay	
NP157 SRAT	6.5	7.1	190		600	70	Total count gamma
	40			Re	wet	60	
NP157 SRAT	7.1	7.5	210		450	70	Total count gamma
	30			Ox	wet	70	
NP157 SRAT	7.5	8	200		120	70	Total count gamma
	40			Ox	wet	60 grit at base	
NP157 SRAT	8	8.4	60		100	70	Total count gamma
	70			Ox	wet	20 1/2 sed 1/2 red clay	



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NP158 SRAT	0 40	1	490	Ox	Dry	65 65 60	Total count gamma "calcrete, soft"
NP158 SRAT	1	1.5	170	Ox	Dry	65 100	Total count gamma powdery
NP158 SRAT	1.5	2	280	Ox	Dry	70 100	Total count gamma
NP158 SRAT	2	2.5	150	Ox	Dry	65 100	Total count gamma
NP158 SRAT	2.5 10	3	130	Ox	Dry	65 60	Total count gamma 30
NP158 SRAT	3 30	3.5	140	Ox	Dry	65 30	Total count gamma 40
NP158 SRAT	3.5 20	4	120	Ox	Dry	90 40	Total count gamma 40 grinding
NP158 SRAT	4 10	4.5	240	Ox	Dry	80 65 20	Total count gamma 70
NP158 SRAT	4.5 30	5	330	Ox	Wet	150 70	Total count gamma 70
NP158 SRAT	5 40	5.5	250	Ox	Wet	200 70	Total count gamma 60
NP158 SRAT	5.5 30	6	310	Ox	Wet	400 60	Total count gamma 70
NP158 SRAT	6 30	6.5	250	Ox	Wet	170 60	Total count gamma 70 blk specs carb?
NP158 SRAT	6.5 40	7	100	Ox	Wet	120 60	Total count gamma 60
NP158 SRAT	7 30	7.5	90	Ox	Wet	110 60	Total count gamma 70
NP158 SRAT	7.5 30	8	190	Ox	Wet	230 60	Total count gamma 70 crs sand
NP158 SRAT	8 70	8.4	30	Ox	Wet	100 60	Total count gamma 30
NP159 SRAT	0 80	1	480	Ox	Dry	60 60 20	"1/3 ltgy sapr or sed, 2/3 red Total count gamma

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NP159 SRAT	1	1.5	200		60	60	Total count gamma
	10			Ox	Dry	60	30
NP159 SRAT	1.5	2	180		95	60	Total count gamma
	10			Ox	Dry	60	30
NP159 SRAT	2	2.5	140		70	60	Total count gamma
				Ox	Dry	80	
NP159 SRAT	2.5	3	220		70	60	Total count gamma
				Ox	Dry	80	
NP159 SRAT	3	3.5	250		80	60	Total count gamma
	10			Ox	Dry	40	50
NP159 SRAT	3.5	4	330		1050	60	Total count gamma
	10	Y		Ox	Dry	40	50
						2nd u on silcrete	
NP159 SRAT	4	4.5	190		1750	60	Total count gamma
	10	Y		Ox	Dry	40	50
NP159 SRAT	4.5	5	290		800	60	Total count gamma
	10			Ox	Dry	20	70
NP159 SRAT	5	5.5	240		650	60	Total count gamma
	30			Ox	wet		60
NP159 SRAT	5.5	6	270		620	60	Total count gamma
	30			Ox	wet		70
NP159 SRAT	6	6.5	220		680	60	Total count gamma
	20		Y	Ox	wet		80
						sl. Carb	
NP159 SRAT	6.5	6.9	130		180	60	Total count gamma
	10			Ox	wet		80
NP159 SRAT	6.9	7.5	250		130	60	Total count gamma
	20			Ox	wet		80
						pink br grit at base	
NP159 SRAT	7.5	8	200		550	60	Total count gamma
	30			Ox	wet		70
NP159 SRAT	8	8.4	50		130	60	Total count gamma
	70			Ox	wet		30
						"1/2 sed, 1/2 red clay"	
NP160 SRAT	0	1	430		60	60	Total count gamma
	80			Ox	Dry	20	
NP160 SRAT	1	1.5	130		55	55	Total count gamma
				Ox	Dry	60	

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NP160 SRAT	1.5	2	100		55	55 70	Total count gamma
				Ox	Dry		
NP160 SRAT	2	2.5	240		55	55 60	Total count gamma
				Ox	Dry		
NP160 SRAT	2.5	3	220		60	60 40	Total count gamma
	20			Ox	Dry		40
NP160 SRAT	3	3.5	240		55	55 20	Total count gamma
	20			Ox	Dry		60
NP160 SRAT	3.5	4	270		500	60 20	Total count gamma
	20	Y		Ox	Dry	2nd u on calcrete	60
NP160 SRAT	4	4.5	340		1600	60 10	Total count gamma
	60			Ox	Damp		30
NP160 SRAT	4.5	5	240		2500	60	Total count gamma
	60			Ox	Damp		40
NP160 SRAT	5	5.5	190		4400	60	Total count gamma
	30	Y		Ox	wet	2nd u on sand	70
NP160 SRAT	5.5	6	340		1200	60	Total count gamma
	30			Ox	wet		60
NP160 SRAT	6	6.5	180		600	80	Total count gamma
	30			Ox	wet		70
NP160 SRAT	6.5	7	200		750	80	Total count gamma
	40			Ox	wet		60
NP160 SRAT	7	7.5	270		640	80	Total count gamma
	60			Ox	wet		40
NP160 SRAT	7.5	8.5	350		400	90	Total count gamma
	30			Ox	wet	90% sed 10% red clay (all	70
NP161 SRAT	0	1	360		55	55 50	Total count gamma
	50			Ox	Dry		
NP161 SRAT	1	1.5	170		70	55 70	Total count gamma
				Ox	Dry	rubbly	
NP161 SRAT	1.5	2	260		90	55 70	Total count gamma
				Ox	Dry	calcrete	
NP161 SRAT	2	2.5	240		100	60 70	Total count gamma
				Ox	Dry		

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NP161 SRAT	2.5	3	200		85	60 50	Total count gamma 50
				Ox	Dry		
NP161 SRAT	3	3.5	160		70	60 50	Total count gamma 50
				Ox	Dry		
NP161 SRAT	3.5	4	150		70	60 40	Total count gamma 40
	20			Ox	Dry		
NP161 SRAT	4	4.5	180		80	60 40	Total count gamma 40
	20			Ox	Dry		
NP161 SRAT	4.5	5	350		1700	80 10	Total count gamma 20
	60			Ox	Dry		
NP161 SRAT	5	5.5	330		1400	80	Total count gamma 20
	60	Y		Ox	Damp		
NP161 SRAT	5.5	6	210		740	80	Total count gamma 20
	70	Y		Ox	Wet		
NP161 SRAT	6	6.5	160		850	80	Total count gamma 50
	50	Y		Ox	Wet		
NP161 SRAT	6.5	7	250		300	70	Total count gamma 60
	40			Ox	Wet		
NP161 SRAT	7	7.5	190		400	70	Total count gamma 60
	40			Ox	Wet		
NP161 SRAT	7.5	8	310		500	70	Total count gamma 40
	60			Ox	Wet	brown mottling	
NP161 SRAT	8	8.5	40		200	70	Total count gamma 30
	70			Ox	Wet	1/3 sed (weighed) 2/3 saprolite	
NP162 SRAT	0 20	1	290		60	60 80	Total count gamma
				Ox	Dry		
NP162 SRAT	1	1.5	200		60	60 100	Total count gamma
				Ox	Dry		
NP162 SRAT	1.5	2	230		60	60 100	Total count gamma
				Ox	Dry		
NP162 SRAT	2	2.5	190		60	60 100	Total count gamma
				Ox	Dry		
NP162 SRAT	2.5	3	220		80	70 100	Total count gamma
				Ox	Dry		

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NP162 SRAT	3	3.5	290	Ox	Dry	95 80 60	Total count gamma 40
NP162 SRAT	3.5	4	240	Ox	Dry	200 80 60	Total count gamma 40
NP162 SRAT	4	4.5	210	Ox	Dry	950 80 50	Total count gamma 50
NP162 SRAT	4.5	5	210	Ox	Dry	2200 100 60	Total count gamma
NP162 SRAT	5	5.5	360	Ox	Dry	3200 100	Total count gamma 40
NP162 SRAT	5.5	6	120	Ox	Dry	950 100	Total count gamma 40
NP162 SRAT	6	6.5	290	Ox	Dry	1200 100	Total count gamma 80
NP162 SRAT	6.5	7	70	Re	Dry	200 100	Total count gamma 80
NP162 SRAT	7	7.5	90	Re	Dry	140 100	Total count gamma 70
NP162 SRAT	7.5	8	390	Ox	Dry	400 100	Total count gamma 70
NP162 SRAT	8	9					Total count gamma
NP162 SRAT	100	70		Ox	Dry		big sample all saprolite
NP163 SRAT	0	1	410	Ox	Dry	140 60 90	Total count gamma
NP163 SRAT	1	1.5	160	Ox	Dry	100 70 100	Total count gamma
NP163 SRAT	1.5	2	100	Ox	Dry	100 70 100	Total count gamma
NP163 SRAT	2	2.5	180	Ox	Dry	100 70 100	Total count gamma
NP163 SRAT	2.5	3	130	Ox	Dry	100 70 100	Total count gamma
NP163 SRAT	3	3.5	200	Ox	Dry	90 70 60	Total count gamma 30

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NP163 SRAT	3.5	4	120	80	70	Total count gamma 60
	20			Ox	Dry	
NP163 SRAT	4	4.5	260	95	70	Total count gamma 40
	30			Ox	Dry	
NP163 SRAT	4.5	5	250	200	70	Total count gamma 20
	60			Ox	Damp	
NP163 SRAT	5	5.5	260	180	70	Total count gamma 20
	70			Ox	wet	dense ltgr clay
NP163 SRAT	5.5	6	220	130	70	Total count gamma 20
	70			Ox	wet	
NP163 SRAT	6	6.5	150	130	70	Total count gamma 70
	30			Ox	wet	basal loose sand
NP163 SRAT	6.5	7	210	200	70	Total count gamma 60
	40			Ox	wet	
NP163 SRAT	7	7.5	150	120	70	Total count gamma 50
	50			Ox	wet	
NP163 SRAT	7.5	8	240	90	70	Total count gamma 70
	30			Ox	wet	
NP163 SRAT	8	8.6		100	70	Total count gamma 20
	70			Ox	wet	10% sed; 90%red br saprolite
NP164 SRAT	0	1	420	170	80	Total count gamma 100
				Ox	Dry	outcropping calcrete
NP164 SRAT	1	1.5	150	100	70	Total count gamma 100
				Ox	Dry	
NP164 SRAT	1.5	2	180	100	70	Total count gamma 100
				Ox	Dry	nodular powdery
NP164 SRAT	2	2.5	110	80	70	Total count gamma 100
				Ox	Dry	nodular powdery
NP164 SRAT	2.5	3	150	80	70	Total count gamma 100
				Ox	Dry	nodular powdery
NP164 SRAT	3	3.5	110	80	70	Total count gamma 100
				Ox	Dry	nodular powdery
NP164 SRAT	3.5	4	190	80	70	Total count gamma 60
	10			Ox	Dry	30

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NP164 SRAT	4	4.5	280		80	70	Total count gamma
	10			Ox	Damp	40	30 silcrete rocky
NP164 SRAT	4.5	5	190		80	70	Total count gamma
	10			Ox	Damp	70	20 sil calc layer rocky
NP164 SRAT	5	5.5	190		70	70	Total count gamma
	10			Ox	wet	80	80 sst sand rocky
NP164 SRAT	5.5	6	300		80	70	Total count gamma
	20			Ox	wet	70	70 dense fine sand (green)
NP164 SRAT	6	6.5	350		300	70	Total count gamma
	30			Ox	wet	60	60
NP164 SRAT	6.5	7	210		500	70	Total count gamma
	40			Ox	wet	60	60
NP164 SRAT	7	7.5	240		320	70	Total count gamma
	60			Ox	wet	40	40
NP164 SRAT	7.5	8	21		150	70	Total count gamma
	40			Ox	wet	60	60 basal sand
NP164 SRAT 100	8	8.5			120		Total count gamma
		70			Ox	wet	all granite saprolite
NP165 SRAT	0	1	520		100	60	Total count gamma
	20			Ox	Dry	70	
NP165 SRAT	1	1.5	230		95	60	Total count gamma
				Ox	Dry	100	
NP165 SRAT	1.5	2	190		85	60	Total count gamma
				Ox	Dry	100	
NP165 SRAT	2	2.5	180		80	60	Total count gamma
				Ox	Dry	100	
NP165 SRAT	2.5	3	130		80	60	Total count gamma
				Ox	Dry	100	
NP165 SRAT	3	3.5	230		80	60	Total count gamma
				Ox	Dry	100	
NP165 SRAT	3.5	4	270		75	60	Total count gamma
				Ox	Dry	80	20
NP165 SRAT	4	4.5	320		70	60	Total count gamma
				Ox	Dry	70	30 "silcrete, rocky"

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NP165 SRAT	4.5	5	300		400	60	Total count gamma
	10			Ox	Damp	10	80
NP165 SRAT	5	5.5	450		520	70	Total count gamma
	40			Ox	Wet		60
NP165 SRAT	5.5	6	400		600	70	Total count gamma
	60			Ox	Wet		50
NP165 SRAT	6	6.5	280		400	70	Total count gamma
	50			Ox	Wet		50
NP165 SRAT	6.5	7	290		320	70	Total count gamma
	40			Ox	Wet		60
							spotty blk (carb?)
NP165 SRAT	7	7.5	210		150	70	Total count gamma
	50			Ox	Wet		40
NP165 SRAT	7.5	8	270		200	60	Total count gamma
	40			Ox	Wet		60
							loose sand basal
NP165 SRAT	8	8.7					Total count gamma
	70			Ox	Wet		20
8-8.1m)							10% sand (only sampled at
NP166 SRAT	0	1	560		60	60	Total count gamma
	15			Ox	Dry	85	
NP166 SRAT	1	1.5	180		70	60	Total count gamma
				Ox	Dry	100	
NP166 SRAT	1.5	2	180		60	60	Total count gamma
				Ox	Dry	100	
NP166 SRAT	2	2.5	220		65	60	Total count gamma
				Ox	Dry	100	
NP166 SRAT	2.5	3	160		65	60	Total count gamma
				Ox	Dry	100	
NP166 SRAT	3	3.5	220		65	60	Total count gamma
				Ox	Dry	100	
NP166 SRAT	3.5	4	370		60	60	Total count gamma
				Ox	Dry	60	40
NP166 SRAT	4	4.5	410		60	60	Total count gamma
	10			Ox	Damp	70	20
							"rubbly, rocky"
NP166 SRAT	4.5	5	380		90	60	Total count gamma
	10			Ox	Wet	40	50
							silcrete rubbly



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NP166 SRAT	5	5.5	280		250	60	Total count gamma
	20	Y		Ox	wet	10	70
						coarse green/ orange sand	
NP166 SRAT	5.5	6	310		240	60	Total count gamma
	30			Ox	wet		70
NP166 SRAT	6	6.5	330		200	60	Total count gamma
	25	Y		Ox	wet		70
NP166 SRAT	6.5	7	300		230	60	Total count gamma
	30			Ox	wet		70
NP166 SRAT	7	7.5	210		210	60	Total count gamma
	35			Ox	wet		60
NP166 SRAT	7.5	8	270		700	60	Total count gamma
	35			Ox	wet		65
NP166 SRAT	8	8.5					Total count gamma
	70			Ox	wet		"sand only sampled, 1/4 sand,
3/4 red clay"							
NP167 SRAT	0	1	460		55	55	Total count gamma
	20			Ox	Dry	80	
NP167 SRAT	1	1.5	220		60	55	Total count gamma
				Ox	Dry	100	
NP167 SRAT	1.5	2	290		55	55	Total count gamma
				Ox	Dry	100	
NP167 SRAT	2	2.5	310		55	50	Total count gamma
				Ox	Dry	100	
NP167 SRAT	2.5	3	190		60	50	Total count gamma
				Ox	Dry	90	10
NP167 SRAT	3	3.5	180		55	50	Total count gamma
				Ox	Dry	80	20
NP167 SRAT	3.5	4	300		80	50	Total count gamma
	20			Ox	Dry	10	40
NP167 SRAT	4	4.5	420		70	50	Total count gamma
	25			Ox	Damp		70
NP167 SRAT	4.5	5	250		100	50	Total count gamma
	10			Ox	Damp		90
						loose c	sand
NP167 SRAT	5	5.5	340		160	50	Total count gamma
	10			Ox	wet		90
						loose c	gr sand

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NP167 SRAT	5.5 20	6	350	Ox	200 Wet	50	Total count gamma 70
NP167 SRAT	6 40	6.5	270	Ox	300 Wet	60	Total count gamma 60
NP167 SRAT	6.5 40	7	300	Ox	120 Wet	60	Total count gamma 60
NP167 SRAT	7 30	7.5	270	Ox	250 Wet	60	Total count gamma 70
NP167 SRAT	7.5 40	8	300	Ox	300 Wet	60	Total count gamma 60
NP167 SRAT 100	8	8.8 70			Ox Wet		Total count gamma all granite saprolite
NP168 SRAT	0 40	1	390	Ox	50 Dry	50 60	Total count gamma
NP168 SRAT	1	1.5	140	Ox	50 Dry	50 100	Total count gamma
NP168 SRAT	1.5	2	240	Ox	55 Dry	50 100	Total count gamma
NP168 SRAT	2	2.5	210	Ox	55 Dry	50 100	Total count gamma
NP168 SRAT	2.5	3	360	Ox	55 Dry	50 100	Total count gamma
NP168 SRAT	3 10	3.5	340	Ox	55 Dry	50 90	Total count gamma 22
NP168 SRAT	3.5 10	4	320	Ox	70 Dry	50 10	Total count gamma 80
NP168 SRAT	4 10	4.5	190	Ox	80 Dry	50 20	Total count gamma 70
NP168 SRAT	4.5 10	5	230	Ox	70 Damp	50 10	Total count gamma 80 minor sst
NP168 SRAT	5 30	5.5	360	Ox	350 Wet	50	Total count gamma 70
NP168 SRAT	5.5 30	6 Y	330	Ox	620 Wet	60	Total count gamma 60 2nd U tr

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NP168 SRAT	6	6.5	310		280	60	Total count gamma 50
	50			Ox	Wet		
NP168 SRAT	6.5	7	140		200	60	Total count gamma 30
	60		Y	Ox	wet	sl. carb	
NP168 SRAT	7	7.5	360		130	60	Total count gamma 25
	60			Ox	wet		
NP168 SRAT	7.5	8	240		120	60	Total count gamma 40
	60			Ox	wet	c sand basal	
NP168 SRAT	8	8.5					Total count gamma 20
	70			Ox	wet	1/3 loose gy sand 2/3 pink br	
granitic saprolite							
NP169 SRAT	0	1	340		50	50	Total count gamma 100
				Ox	Dry	bouldery calcrete	
NP169 SRAT	1	1.5	170		50	50	Total count gamma 100
				Ox	Dry		
NP169 SRAT	1.5	2	140		60	50	Total count gamma 100
				Ox	Dry		
NP169 SRAT	2	2.5	200		65	50	Total count gamma 100
				Ox	Dry		
NP169 SRAT	2.5	3	190		60	50	Total count gamma 100
				Ox	Dry		
NP169 SRAT	3	3.5	350		60	50	Total count gamma 100
				Ox	Dry		
NP169 SRAT	3.5	4	310		55	50	Total count gamma 100
				Ox	Dry		
NP169 SRAT	4	4.5	290		70	50	Total count gamma 60
				Ox	Dry	grinding	
NP169 SRAT	4.5	5	490		70	50	Total count gamma 30
	10			Ox	Damp	grinding (silcrete)	
NP169 SRAT	5	5.5	360		350	50	Total count gamma 50
	50			Ox	Wet		
NP169 SRAT	5.5	6	220		260	50	Total count gamma 60
	40			Ox	Wet		
NP169 SRAT	6	6.5	230		380	50	Total count gamma 50
	50			Ox	Wet		

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NP169 SRAT	6.5 60	7	390	Ox	Wet	300 50	Total count gamma 30
NP169 SRAT	7 60	7.5	190	Ox	wet	120 50	Total count gamma 40 sand at base
NP169 SRAT	7.5 60	8 Y	300	Ox	wet	390 50	Total count gamma 30 Tr 2nd U on clay
NP169 SRAT	8 30	8.7	210	Ox	wet	75 50	Total count gamma 70 Tr granitic saprolite at base
NP170 SRAT	0 20	1	470	Ox	Dry	50 50 80	Total count gamma 80 surf soil infiltrating
NP170 SRAT	1	1.5	180	Ox	Dry	50 50 90	Total count gamma 90 cavernous calcrete
NP170 SRAT	1.5	2	170	Ox	Dry	80 50 100	Total count gamma 100
NP170 SRAT	2	2.5	180	Ox	Dry	110 50 100	Total count gamma 100
NP170 SRAT	2.5	3	190	Ox	Dry	150 50 100	Total count gamma 100
NP170 SRAT	3	3.5	160	Ox	Dry	180 50 100	Total count gamma 100
NP170 SRAT	3.5	4	280	Ox	Dry	150 50 50	Total count gamma 50
NP170 SRAT	4	4.5	430	Ox	Damp	500 50 50	Total count gamma 40 grinding silcrete
NP170 SRAT	4.5	5 Y	280	Ox	wet	1500 50 60	Total count gamma 40 grinding
NP170 SRAT	5 10	5.5	350	Ox	wet	950 50 30	Total count gamma 60 silcrete and sd
NP170 SRAT	5.5 40	6 Y	410	Ox	wet	620 50	Total count gamma 60 sl. carb
NP170 SRAT	6 60	6.5	200	Ox	wet	470 50	Total count gamma 40
NP170 SRAT	6.5 60	7	270	Ox	wet	260 60	Total count gamma 40

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NP170 SRAT	7	7.5	260		210	6	Total count gamma 50
	50			Ox	wet		
NP170 SRAT	7.5	8	400		400	60	Total count gamma 70
	30	Y		Ox	wet	2nd U on sand	
NP170 SRAT	8	8.5	250		170	60	Total count gamma 60
	40			Ox	wet	4/5 sed 1/5 red clay	
NP171 SRAT	0	1	480		60	55	Total count gamma 100
				Ox	Dry	very hard silc-calcrete	
NP171 SRAT	1	1.5	340		65	55	Total count gamma 100
				Ox	Dry	some cavings	
NP171 SRAT	1.5	2	310		60	55	Total count gamma 100
				Ox	Dry	3 runs some cavings	
NP171 SRAT	2	2.5	300		75	55	Total count gamma 100
				Ox	Dry	"4 runs, some cavings"	
NP171 SRAT	2.5	3	250		90	55	Total count gamma 100
				Ox	Dry	3 runs some cavings	
NP171 SRAT	3	3.5	290		75	55	Total count gamma 90
				Ox	Dry	4 runs grinding (silcrete)	
NP171 SRAT	3.5	4	380		100	55	Total count gamma 90
				Ox	Dry	3 runs grinding	
NP171 SRAT	4	4.5	470		110	50	Total count gamma 60
				Ox	Damp	40	
NP171 SRAT	4.5	5	400		120	50	Total count gamma 50
	10			Ox	wet	40	
NP171 SRAT	5	5.5	310		850	50	Total count gamma 70
	30	Y		Ox	wet	2nd U minor	
NP171 SRAT	5.5	6	320		470	50	Total count gamma 50
	50	Y		Ox	wet		
NP171 SRAT	6	6.5	230		570	50	Total count gamma 40
	60	Y		Ox	wet	2nd U on silc	
NP171 SRAT	6.5	7	270		320	50	Total count gamma 30
	60			Ox	wet		
NP171 SRAT	7	7.5	230		350	50	Total count gamma 30
	60	Y		Ox	wet	2nd U on silcrete fall down	

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NP171 SRAT	7.5	8	300		350	50	Total count gamma 60
	35			Ox	Wet		
NP171 SRAT	8	8.5	200		110	50	Total count gamma 70
	20			Ox	Wet	4/5 sediment ;1/5 red clay	
(sediment only weighed sample) NP172 SRAT	0	1	550		100	100	Total count gamma
				Ox	Dry		
NP172 SRAT	1	1.5	190		85		Total count gamma
				Ox	Dry		
NP172 SRAT	1.5	2	270		100		Total count gamma
				Ox	Wet		
NP172 SRAT	2	2.5	180		100		Total count gamma
				Ox	Wet		
NP172 SRAT	2.5	3	50		100		Total count gamma
				Ox	Wet		
NP172 SRAT	3	3.5	250		80		Total count gamma
				Ox	Wet		
NP172 SRAT	3.5	4	70		100		Total count gamma
				Ox	Wet		
NP172 SRAT	4	4.5	40		100		Total count gamma
				Ox	Wet		
NP172 SRAT	4.5	5	240		120		Total count gamma
				Ox	Wet		
NP172 SRAT	5	5.5	190		100		Total count gamma
				Ox	Wet		
NP172 SRAT	5.5	6	220		110		Total count gamma
				Ox	Wet		
NP172 SRAT	6	6.4	190		200	100	Total count gamma
				Ox	Wet	2/3 sed 1/3 red clay	
NP173 SRAT	0	1	490		55	50	Total count gamma
	20			Ox	Dry	80	
NP173 SRAT	1	1.5	180		50	50	Total count gamma
				Ox	Dry	80	
NP173 SRAT	1.5	2	220		50	50	Total count gamma
				Ox	Dry	100	

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NP173 SRAT	2	2.5	210	Ox	Dry	50 50 100	Total count gamma
NP173 SRAT	2.5	3	250	Ox	Dry	55 50 100	Total count gamma
NP173 SRAT	3	3.5	320	Ox	Dry	60 60 60	Total count gamma
NP173 SRAT	20			Ox	Dry		20
NP173 SRAT	3.5	4	450	Ox	Dry	60 60 20	Total count gamma
NP173 SRAT	20			Ox	Dry		60 grinding on silcrete
NP173 SRAT	4	4.5	290	Ox	Dry	70 60 10	Total count gamma
NP173 SRAT	10			Ox	Dry		80
NP173 SRAT	4.5	5	300	Ox	Damp	300 60 10	Total count gamma
NP173 SRAT	10			Ox	Damp		80
NP173 SRAT	5	5.5	340	Ox	Damp	330 60 10	Total count gamma
NP173 SRAT	10	Y		Ox	Damp		80
NP173 SRAT	5.5	6	350	Ox	wet	400 60 10	Total count gamma
NP173 SRAT	10	Y		Ox	wet		80
NP173 SRAT	6	6.5	100	Ox	wet	300 60 10	Total count gamma
NP173 SRAT	20			Ox	wet		70
NP173 SRAT	6.5	7	390	Ox	wet	600 60 10	Total count gamma
NP173 SRAT	30	Y		Ox	wet		60 2nd u on silcrete
NP173 SRAT	7	7.5	230	Ox	wet	460 60	Total count gamma
NP173 SRAT	50			Ox	wet		50
NP173 SRAT	7.5	8	240	Ox	wet	350 60	Total count gamma
NP173 SRAT	30			Ox	wet		70 coarse basal sand
NP173 SRAT	8	8.5	130	Ox	wet	720 60	Total count gamma
NP173 SRAT	50	Y		Ox	wet		50 1/2 sed 1/2 red clay
NP174 SRAT	0	1	490	Ox	Dry	55 50 60	Total count gamma
NP174 SRAT	20			Ox	Dry		20
NP174 SRAT	1	1.5	140	Ox	Dry	50 50 70	Total count gamma
NP174 SRAT	10			Ox	Dry		10
NP174 SRAT	1.5	2	170	Ox	Dry	50 50 70	Total count gamma
NP174 SRAT	10			Ox	Dry		20
NP174 SRAT	2	2.5	250	Ox	Dry	50 50 20	Total count gamma
NP174 SRAT				Ox	Dry		80 silcrete

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NP174 SRAT	2.5	3	280	Ox	Dry	75 50 20 silcrete	Total count gamma 80
NP174 SRAT	3	3.5	260	Ox	Dry	90 50 10 silcrete	Total count gamma 90
NP174 SRAT	3.5	4	270	Ox	Dry	90 50 10	Total count gamma 90
NP174 SRAT	4	4.5	330	Ox	Dry	1400 50 2nd U common	Total count gamma 90
NP174 SRAT	4.5	5	300	Ox	Wet	300 50	Total count gamma 80
NP174 SRAT	5	5.5	360	Ox	Wet	430 50	Total count gamma 60
NP174 SRAT	5.5	6	230	Ox	Wet	100 50	Total count gamma 65
NP174 SRAT	6	6.5	310	Ox	Wet	100 50	Total count gamma 65
NP174 SRAT	6.5	7	250	Ox	Wet	200 50	Total count gamma 80
NP174 SRAT	7	7.6	70	Ox	Wet	50 50	Total count gamma
saprolite NP175 SRAT	0	1	450	Ox	Dry	45 45 80 (B/g is 55cps outside bucket)	Total count gamma
NP175 SRAT	1	1.5	230	Ox	Dry	45 45 100	Total count gamma
NP175 SRAT	1.5	2	460	Ox	Dry	50 50 100 3 runs	Total count gamma
NP175 SRAT	2	2.5	290	Ox	Dry	55 50 100	Total count gamma
NP175 SRAT	2.5	3	210	Ox	Dry	55 50 60	Total count gamma 40
NP175 SRAT	3	3.5	310	Ox	Dry	55 50 30 silcrete	Total count gamma 60
NP175 SRAT	3.5	4	260	Ox	Dry	60 50 40 silcrete	Total count gamma 60



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NP175 SRAT	4	4.5	520		70	50	Total count gamma
	10			Ox	wet	40	50
							silcrete
NP175 SRAT	4.5	5	190		70	50	Total count gamma
				Ox	wet	30	70
							loose sand
NP175 SRAT	5	5.5	400		190	50	Total count gamma
	10			Ox	wet		85
							loose sand
NP175 SRAT	5.5	6	330		100	50	Total count gamma
	40			Ox	wet		60
NP175 SRAT	6	6.5	390		110	50	Total count gamma
	50			Ox	wet		50
NP175 SRAT	6.5	7	290		100	50	Total count gamma
	50			Ox	wet		50
NP175 SRAT	7	7.5	250		70	50	Total count gamma
	60			Ox	wet		30
NP175 SRAT	7.5	8	250		55	50	Total count gamma
	60			Ox	wet		40
NP175 SRAT	8	8.3					Total count gamma
	70			Ox	wet		1/5 sand 4/5 red clay
NP176 SRAT	0	1	430		50	50	Total count gamma
				Ox	Dry	100	
							soft powdery
NP176 SRAT	1	1.5	190		55	50	Total count gamma
				Ox	Dry	100	
							calcrete
NP176 SRAT	1.5	2	140		55	50	Total count gamma
				Ox	Dry	100	
							calcrete
NP176 SRAT	2	2.5	140		60	50	Total count gamma
				Ox	Dry	100	
							calcrete
NP176 SRAT	2.5	3	130		60	50	Total count gamma
				Ox	Dry	100	
							calcrete
NP176 SRAT	3	3.5	260		60	50	Total count gamma
				Ox	Dry	100	
NP176 SRAT	3.5	4	210		55	50	Total count gamma
				Ox	Dry	80	20
							silcrete 10%
NP176 SRAT	4	4.5	350		65	50	Total count gamma
	10			Ox	Dry	10	80
							silcrete 10%

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NP176 SRAT	4.5	5	280	Ox	Dry	95 50 10 sst 10%	Total count gamma 80 blk stain (Mn 02)
NP176 SRAT	5	5.5	210	Ox	Damp	200 50 10	Total count gamma 90
NP176 SRAT	5.5	6	230	Ox	Damp	170 50	Total count gamma 90
NP176 SRAT	6	6.5	250	Ox	Damp	220 55	Total count gamma 70
NP176 SRAT	6.5	7	410	Ox	Damp	600 55	Total count gamma 50
NP176 SRAT	7	7.5	200	Ox	Wet	270 55	Total count gamma 40
NP176 SRAT	7.5	8	100	Ox	Wet	600 55	Total count gamma 50
NP176 SRAT	8	8.6	300	Ox	Wet	250 55	Total count gamma 70
NP177 SRAT	0	1	460	Ox	Dry	110 75 100	Total count gamma
NP177 SRAT	1	1.5	170	Ox	Dry	100 75 100	Total count gamma
NP177 SRAT	1.5	2	100	Ox	Dry	100 75 100	Total count gamma
NP177 SRAT	2	2.5	130	Ox	Dry	100 75 100	Total count gamma
NP177 SRAT	2.5	3	210	Ox	Dry	80 70 100	Total count gamma
NP177 SRAT	3	3.5	170	Ox	Dry	70 70 100	Total count gamma
NP177 SRAT	3.5	4	340	Ox	Dry	65 65 90	Total count gamma 10
NP177 SRAT	4	4.5	310	Ox	Dry	70 70 80	Total count gamma 20
NP177 SRAT	4.5	5	270	Ox	Damp	100 70 5 sst	Total count gamma 95

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NP177 SRAT	5	5.5	320		110	70	Total count gamma 70
	30			Ox	Damp		
NP177 SRAT	5.5	6	270		130	65	Total count gamma 60
	40			Ox	Wet		
NP177 SRAT	6	6.5	210		210	70	Total count gamma 50
	50			Ox	Wet		
NP177 SRAT	6.5	7	180		210	70	Total count gamma 30
	60			Ox	Wet		
NP177 SRAT	7	7.5	320		220	70	Total count gamma 40
	60			Ox	Wet		
NP177 SRAT	7.5	8	180		130	70	Total count gamma
	70			Ox	Wet		
NP177 SRAT	8	8.5	100		80	70	Total count gamma 80
	20			Ox	Wet	4/5 sand (loose) over 1/5 clay	
sap NP178 SRAT	0	1	440		50	50	Total count gamma 100
				Ox	Dry		
NP178 SRAT	1	1.5	170		5	50	Total count gamma 100
				Ox	Dry		
NP178 SRAT	1.5	2	170		60	50	Total count gamma 100
				Ox	Dry		
NP178 SRAT	2	2.5	140		60	50	Total count gamma 100
				Ox	Dry		
NP178 SRAT	2.5	3	140		60	55	Total count gamma 100
				Ox	Dry		
NP178 SRAT	3	3.5	150		60	55	Total count gamma 100
				Ox	Dry		
NP178 SRAT	3.5	4	210		65	55	Total count gamma 80
				Ox	Dry	20	
NP178 SRAT	4	4.5	240		90	60	Total count gamma 70
	15			Ox	Dry	15	
NP178 SRAT	4.5	5	270		1250	60	Total count gamma 80
	15			Ox	Dry	5	
NP178 SRAT	5	5.5	290		850	60	Total count gamma 80
	15			Ox	Dry		

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NP178 SRAT	5.5	6	310		950	60	Total count gamma 80
	15	Y		Ox	wet	2nd U Tr	
NP178 SRAT	6	6.5	220		1200	70	Total count gamma 70
	30	Y	Y	Ox	wet	2nd U minor; sl. carb	
NP178 SRAT	6.5	7	230		1000	70	Total count gamma 70
	30			Re	wet		
NP178 SRAT	7	7.5	210		450	70	Total count gamma 30
	60			Ox	wet		
NP178 SRAT	7.5	8	120		220	70	Total count gamma 50
	50			Ox	wet		
NP178 SRAT	8	8.5	90		160	70	Total count gamma 70
	30			Ox	wet	1/2 sed ;1/2 pink br clay sapr	
NP179 SRAT	0	1	460		200	60	Total count gamma 100
		Y		Ox	Dry	2nd U Tr	
NP179 SRAT	1	1.5	100		120	60	Total count gamma 100
				Ox	Dry		
NP179 SRAT	1.5	2	110		100	60	Total count gamma 100
				Ox	Dry		
NP179 SRAT	2	2.5	140		100	60	Total count gamma 100
				Ox	Dry		
NP179 SRAT	2.5	3	190		100	60	Total count gamma 100
				Ox	Dry		
NP179 SRAT	3	3.5	170		70	60	Total count gamma 90
				Ox	Dry	rubblly calcrete	10
NP179 SRAT	3.5	4	310		70	60	Total count gamma 30
				Ox	Dry	silcrete	70
NP179 SRAT	4	4.5	240		70	60	Total count gamma 15
	15			Ox	Damp		70
NP179 SRAT	4.5	5	310		160	60	Total count gamma 10
	10			Ox	Damp	sst	80
NP179 SRAT	5	5.5	370		170	60	Total count gamma 10
	10			Ox	wet		80
NP179 SRAT	5.5	6	280		120	60	Total count gamma 15
	15			Ox	wet		70

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NP179 SRAT	6	6.5	370		110	60	Total count gamma 65
	35			Ox	Wet		
NP179 SRAT	6.5	7	310		120	60	Total count gamma 30
	60			Ox	Wet		
NP179 SRAT	7	7.5	230		120	60	Total count gamma 50
	50			Ox	Wet		
NP179 SRAT	7.5	8	250		150	60	Total count gamma 50
	50			Ox	Wet	3/4 sand c gr over....	
NP179 SRAT	8	8.7	130		170	60	Total count gamma 60
	30			Ox	Wet	1/4 red clay sapr	
NP180 SRAT	0	1	420		50	45	Total count gamma 100
				Ox	Dry		
NP180 SRAT	1	1.5	110		60	50	Total count gamma 100
				Ox	Dry		
NP180 SRAT	1.5	2	110		75	50	Total count gamma 100
				Ox	Dry		
NP180 SRAT	2	2.5	100		60	50	Total count gamma 100
				Ox	Dry		
NP180 SRAT	2.5	3	150		60	50	Total count gamma 100
				Ox	Dry		
NP180 SRAT	3	3.5	250		60	50	Total count gamma 100
				Ox	Dry		
NP180 SRAT	3.5	4	200		60	50	Total count gamma 70
				Ox	Dry		
NP180 SRAT	4	4.5	310		60	50	Total count gamma 80
				Ox	Dry	10 sand + sst/silcrete	
NP180 SRAT	4.5	5	240		260	50	Total count gamma 90
	10			Ox	Damp		
NP180 SRAT	5	5.5	210		820	50	Total count gamma 70
	30			Ox	Damp		
NP180 SRAT	5.5	6	250		700	50	Total count gamma 20
	70			Ox	Wet		
NP180 SRAT	6	6.5	230		520	50	Total count gamma 20
	60			Ox	Wet		

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NP180 SRAT	6.5	7	260		680	50	Total count gamma 20
	70			Ox	Wet		
NP180 SRAT	7	7.5	200		300	50	Total count gamma 30
	70			Ox	Wet		
NP180 SRAT	7.5	8	230		120	50	Total count gamma 20
	70	Y	Y	Ox	Wet		2nd u in clay; sl carb
NP180 SRAT	8	8.5	190		530	50	Total count gamma 50
	50			Ox	Wet		basal loose sand
NP180 SRAT	8.5	9.1	280		170	50	Total count gamma
				Ox	Wet		altered granite gneiss/saprolite
(biotite rich) NP181 SRAT	0	1	410		250	60 100	Total count gamma
				Ox	Dry		
NP181 SRAT	1	1.5	110		150	65 100	Total count gamma
				Ox	Dry		
NP181 SRAT	1.5	2	120		100	60 100	Total count gamma
				Ox	Dry		
NP181 SRAT	2	2.5	110		100	60 100	Total count gamma
				Ox	Dry		
NP181 SRAT	2.5	3	210		100	60 100	Total count gamma
		Y		Ox	Dry		
NP181 SRAT	3	3.5	130		70	70 90	Total count gamma 10
				Ox	Dry		silcrete Tr
NP181 SRAT	3.5	4	220		80	70 80	Total count gamma 20
				Ox	Dry		silcrete Tr
NP181 SRAT	4	4.5	140		70	70 10	Total count gamma 80
				Ox	Dry		
NP181 SRAT	4.5	5	270		250	70 10	Total count gamma 70
	20			Ox	Damp		
NP181 SRAT	5	5.5	340		1300	90	Total count gamma 70
	30			Ox	Damp		
NP181 SRAT	5.5	6	120		1100	90	Total count gamma 60
	40	Y		Ox	Wet		
NP181 SRAT	6	6.5	330		900	90	Total count gamma 30
	60			Ox	Wet		

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NP181 SRAT	6.5 40	7	210	Ox	Wet	500	Total count gamma 60
NP181 SRAT	7 40	7.5	120	Y Re	Wet	470	Total count gamma 60 mod. carb
NP181 SRAT	7.5 60	8	180	Y Re	Wet	400	Total count gamma 40 v. carb
NP181 SRAT	8 30	8.5		Re	Wet		Total count gamma carb sand
NP181 SRAT	8.5 70	9.2		Ox	Damp		Total count gamma pink purple saprolite
NP182 SRAT	0 20	1	490	Ox	Dry	90 60 80	Total count gamma
NP182 SRAT	1	1.5	120	Ox	Dry	110 60 100	Total count gamma
NP182 SRAT	1.5	2	140	Ox	Dry	120 60 100	Total count gamma
NP182 SRAT	2	2.5	190	Ox	Dry	100 70 100	Total count gamma
NP182 SRAT	2.5	3	180	Ox	Dry	90 70 100	Total count gamma
NP182 SRAT	3	3.5	280	Ox	Dry	80 70 90	Total count gamma 10
NP182 SRAT	3.5 10	4	320	Ox	Dry	80 70 30	Total count gamma 60
NP182 SRAT	4 20	4.5	360	Ox	Dry	400 70 20	Total count gamma 60
NP182 SRAT	4.5 60	5	330	Y Ox	Dry	2500 70	Total count gamma 30 2nd U common
NP182 SRAT	5 60	5.5	1300	Y Ox	Dry	1300 70	Total count gamma 30
NP182 SRAT	5.5 60	6	280	Ox	Wet	520 80	Total count gamma 30
NP182 SRAT	6 50	6.5	270	Ox	Wet	550 80	Total count gamma 50

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NP182 SRAT	6.5 50	7	180		Ox	Wet	320 80	Total count gamma 50
NP182 SRAT	7 40	7.5	160	Y	Re	Wet	200 80	Total count gamma 60 mod. carb
NP182 SRAT	7.5 40	8	300	Y	Re	Wet	480 80	Total count gamma 60 sl. carb
NP182 SRAT	8 30	8.6	170		Ox	Wet	280 80	Total count gamma 70 basal sand. Tr saprolite
NP183 SRAT	0 7	1	480		Ox	Dry	60 60 30	Total count gamma
NP183 SRAT	1	1.5	130		Ox	Dry	60 60 100	Total count gamma
NP183 SRAT	1.5	2	230		Ox	Dry	70 60 100	Total count gamma
NP183 SRAT	2	2.5	190		Ox	Dry	70 60 100	Total count gamma
NP183 SRAT	2.5	3	240		Ox	Dry	65 60 100	Total count gamma
NP183 SRAT	3	3.5	360		Ox	Dry	70 60 70	Total count gamma 30
NP183 SRAT	3.5	4	170		Ox	Dry	70 60 20 30%sst	Total count gamma 70
NP183 SRAT	4 20	4.5	280		Ox	Damp	70 60	Total count gamma 70
NP183 SRAT	4.5 40	5	340		Ox	Damp	220 60	Total count gamma 50
NP183 SRAT	5 10	5.5	360		Ox	Damp	300 60	Total count gamma 90
NP183 SRAT	5.5 40	6	140		Ox	Wet	200 60	Total count gamma 60 fine sand
NP183 SRAT	6 35	6.5	350		Ox	Wet	200 60	Total count gamma 65 fine sand
NP183 SRAT	6.5 40	7	300	Y	Ox	Wet	250 60	Total count gamma 60 fine sand



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NP183 SRAT	7	7.5	260		130	60	Total count gamma 50
	50		Y	Ox	wet	fine sand	
NP183 SRAT	7.5	8	70		80	60	Total count gamma 60
	30			Ox	wet		
NP183 SRAT	8	8.3	100		80	60	Total count gamma 70
	20			Ox	wet	2/3 sand 1/3 pink br sapr	
NP184 SRAT	0	1	590		60	60	Total count gamma 90
	10			Ox	Dry		
NP184 SRAT	1	1.5	220		50	60	Total count gamma 100
				Ox	Dry		
NP184 SRAT	1.5	2	210		60	60	Total count gamma 100
				Ox	Dry		
NP184 SRAT	2	2.5	220		60	60	Total count gamma 100
				Ox	Dry		
NP184 SRAT	2.5	3	290		60	60	Total count gamma 30
				Ox	Dry		
NP184 SRAT	3	3.5	260		60	60	Total count gamma 30
				Ox	Dry	silcrete	
NP184 SRAT	3.5	4	290		65	60	Total count gamma 20
				Ox	Dry	silcrete	
NP184 SRAT	4	4.5	330		65	60	Total count gamma 30
	30			Ox	Dry	hard silcrete grinding	
NP184 SRAT	4.5	5	360		100	60	Total count gamma 20
	30			Ox	Dry		
NP184 SRAT	5	5.5	370		130	60	Total count gamma 50
	40			Ox	Dry		
NP184 SRAT	5.5	6	280		240	60	Total count gamma 60
	40			Ox	wet		
NP184 SRAT	6	6.5	280		600	60	Total count gamma 80
	20			Ox	wet		
NP184 SRAT	6.5	7	270		250	60	Total count gamma 70
	30			Ox	wet	coarse sand	
NP184 SRAT	7	7.5	280		370	60	Total count gamma 40
	50		Y	Re	wet	mod carb	

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NP184 SRAT	7.5	8	120		200		Total count gamma 40
	50			Ox	Wet		
NP184 SRAT	8	8.5	90		100		Total count gamma 30
	60			Ox	wet	1/2 sed	;1/2 pink clay sap
NP185 SRAT	0	1	450		70	50	Total count gamma 100
				Ox	Dry		
NP185 SRAT	1	1.5	170		70	55	Total count gamma 100
				Ox	Dry		
NP185 SRAT	1.5	2	130		90	50	Total count gamma 100
				Ox	Dry		
NP185 SRAT	2	2.5	190		80	50	Total count gamma 100
				Ox	Dry		
NP185 SRAT	2.5	3	240		70	50	Total count gamma 100
				Ox	Dry		
NP185 SRAT	3	3.5	350		65	50	Total count gamma 70
				Ox	Dry		
NP185 SRAT	3.5	4	350		70	55	Total count gamma 50
				Ox	Dry	50	
NP185 SRAT	4	4.5	440		80	55	Total count gamma 50
	20			Ox	Damp	50 grinding	30
NP185 SRAT	4.5	5	300		70	50	Total count gamma 30
	10			Ox	Damp	30 silcrete 30%	60
NP185 SRAT	5	5.5	230		70	50	Total count gamma 80
	10	Y		Ox	Damp		
NP185 SRAT	5.5	6	250		120	50	Total count gamma 80
	10			Ox	Damp		
NP185 SRAT	6	6.5	320		110	50	Total count gamma 80
	10	Y		Re	Damp	mod carb	
NP185 SRAT	6.5	7	200		160	50	Total count gamma 90
	10	Y		Ox	Damp	sl. carb	
NP185 SRAT	7	7.5	170		90	50	Total count gamma 70
	30			Ox	Damp		
NP185 SRAT	7.5	8	280		400	50	Total count gamma 90
	10			Ox	Damp	coarse sand	

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NP185 SRAT	8	8.5	120		200		Total count gamma 60
	40			Ox	Damp	50% sed	clay; 50% red br
NP186 SRAT	0	1	400		100	50	Total count gamma 100
				Ox	Dry		
NP186 SRAT	1	1.5	150		90	50	Total count gamma 100
				Ox	Dry		
NP186 SRAT	1.5	2	190		80	50	Total count gamma 100
				Ox	Dry		
NP186 SRAT	2	2.5	240		90	50	Total count gamma 100
				Ox	Dry		
NP186 SRAT	2.5	3	290		80	100	Total count gamma
				Ox	Dry		
NP186 SRAT	3	3.5	390		60	50	Total count gamma 70
				Ox	Dry	silcrete	30
NP186 SRAT	3.5	4	280		80		Total count gamma 80
				Ox	Dry	sst 20%	
NP186 SRAT	4	4.5	260		120		Total count gamma 80
				Ox	Damp	sst 20%	
NP186 SRAT	4.5	5	290		90	50	Total count gamma 90
				Ox	Damp	sst 10%	
NP186 SRAT	5	5.5	240		90		Total count gamma 90
				Ox	Damp		
NP186 SRAT	5.5	6	280		80	60	Total count gamma 90
				Ox	Wet		
NP186 SRAT	6	6.5	350		80		Total count gamma 80
	10			Ox	Wet		
NP186 SRAT	6.5	7	150		160	50	Total count gamma 80
	20			Ox	Wet		
NP186 SRAT	7	7.5	180		180	50	Total count gamma 80
	20			Ox	Wet		
NP186 SRAT	7.5	8	100		500		Total count gamma 80
	20			Ox	Wet		
NP186 SRAT	8	8.5	160		480	50	Total count gamma 80
	20			Ox	Wet		

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NP186 SRAT	8.5	8.9	200		280	Total count gamma
				Ox	wet	4/5 sed 1/5 red clay
NP187 SRAT	0	1	410		70	60 100
				Ox	Dry	Total count gamma
NP187 SRAT	1	1.5	120		80	60 100
				Ox	Dry	Total count gamma
NP187 SRAT	1.5	2	140		90	60 100
				Ox	Dry	Total count gamma
NP187 SRAT	2	2.5	190		100	60 100
				Ox	Dry	Total count gamma
NP187 SRAT	2.5	3	200		85	60 100
				Ox	Dry	Total count gamma
NP187 SRAT	3	3.5	150		70	60 100
				Ox	Dry	Total count gamma
NP187 SRAT	3.5	4	290		70	60 20
	10			Ox	Dry	Total count gamma 60
NP187 SRAT	4	4.5	200		75	60 10
	10			Ox	Damp	Total count gamma 70
NP187 SRAT	4.5	5	220		350	60
	20	Y		Ox	Damp	Total count gamma 70
NP187 SRAT	5	5.5	210		130	60
	20	Y		Ox	Damp	Total count gamma 70
NP187 SRAT	5.5	6	230		120	60
	30			Ox	Damp	Total count gamma 70
NP187 SRAT	6	6.5	230		150	60
	30			Ox	wet	Total count gamma 70
NP187 SRAT	6.5	7	300		190	60
	40	Y		Re	wet	carb sand 60
NP187 SRAT	7	7.5	150		150	60
	40			Ox	wet	Total count gamma 60
NP187 SRAT	7.5	8	280		130	60
	30			Ox	wet	Total count gamma 70
NP187 SRAT	8	8.6	190		90	60
	30			Ox	wet	3/4 sed (sand) 1/4 red clay 70

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NP188 SRAT	0	1	460		90	50 100	Total count gamma
				Ox	Dry		
NP188 SRAT	1	1.5	100		85	100	Total count gamma
				Ox	Dry		
NP188 SRAT	1.5	2	100		95	100	Total count gamma
				Ox	Dry		
NP188 SRAT	2	2.5	160		100	50 100	Total count gamma
				Ox	Dry		
NP188 SRAT	2.5	3	280		100	90	Total count gamma 10
				Ox	Dry		
NP188 SRAT	3	3.5	160		150	50 30	Total count gamma 60
				Ox	Dry		
NP188 SRAT	3.5	4	220		200	50 10	Total count gamma 80
				Ox	Dry	silcrete 10%	
NP188 SRAT	4	4.5	200		500	50	Total count gamma 80
	10	Y		Ox	Dry		
NP188 SRAT	4.5	5	200		380	60	Total count gamma 80
	15			Ox	Dry		
NP188 SRAT	5	5.5	250		450		Total count gamma 80
	20			Ox	Dry		
NP188 SRAT	5.5	6	220		600	60	Total count gamma 70
	25			Ox	Dry	black spotty stain	
NP188 SRAT	6	6.5	260		570	65	Total count gamma 40
	60	Y		Ox	Wet	2nd U common	
NP188 SRAT	6.5	7	160		220		Total count gamma 50
	50	Y		Re	Wet	sl. carb	
NP188 SRAT	7	7.5	240		100	70	Total count gamma 40
	60	Y		Re	Wet	mod. carb	
NP188 SRAT	7.5	8	280		300	70	Total count gamma 60
	30			Ox	Wet		
NP188 SRAT	8	8.5					Total count gamma
	70			Ox	Wet	v poor recovery	
NP189 SRAT	0	1	480		50	50 100	Total count gamma
				Ox	Dry		

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NP189 SRAT	1	1.5	160	Ox	Dry	55 50 100	Total count gamma
NP189 SRAT	1.5	2	120	Ox	Dry	70 50 100	Total count gamma
NP189 SRAT	2	2.5	190	Ox	Dry	80 50 100	Total count gamma
NP189 SRAT	2.5	3	230	Ox	Dry	100 50 90	Total count gamma 10
NP189 SRAT	3	3.5	220	Ox	Dry	90 50 90	Total count gamma 10
NP189 SRAT	3.5	4	240	Ox	Dry	370 60 20	Total count gamma 70
NP189 SRAT	4	4.5	230	Ox	Dry	1450 60	Total count gamma 70
NP189 SRAT	20	Y		Ox	Dry	2nd U Tr	
NP189 SRAT	4.5	5	190	Ox	Dry	850 60	Total count gamma 70
NP189 SRAT	20			Ox	Dry		
NP189 SRAT	5	5.5	230	Ox	Dry	580 60	Total count gamma 70
NP189 SRAT	30			Ox	Dry		
NP189 SRAT	5.5	6	280	Ox	Damp	500 60	Total count gamma 60
NP189 SRAT	35			Ox	Damp		
NP189 SRAT	6	6.5	240	Ox	wet	280 60	Total count gamma 70
NP189 SRAT	25	Y		Ox	wet	sl. carb	
NP189 SRAT	6.5	7	240	Re	wet	120 60	Total count gamma 70
NP189 SRAT	30	Y		Re	wet	v. carb	
NP189 SRAT	7	7.5	230	Re	wet	130 60	Total count gamma 70
NP189 SRAT	30	Y		Re	wet	v. carb	
NP189 SRAT	7.5	8	280	Ox	wet	90 60	Total count gamma 60
NP189 SRAT	40			Ox	wet		
NP189 SRAT	8	8.7		Ox	wet		Total count gamma
NP189 SRAT				Ox	wet	all base clay	
NP190 SRAT	0	1	320	Ox	Dry	80 60 100	Total count gamma
NP190 SRAT				Ox	Dry	soft powdery	
NP190 SRAT	1	1.5	70	Ox	Dry	70 100	Total count gamma
NP190 SRAT				Ox	Dry		

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NP190 SRAT	1.5	2	60		85	60 100	Total count gamma
				Ox	Dry		
NP190 SRAT	2	2.5	170		80	60 100	Total count gamma
				Ox	Dry		
NP190 SRAT	2.5	3	220		70	60 100	Total count gamma
				Ox	Dry		
NP190 SRAT	3	3.5	240		70	100	Total count gamma
				Ox	Dry		
NP190 SRAT	3.5	4	230		65	50 100	Total count gamma
				Ox	Dry	siliceous calcrete	
NP190 SRAT	4	4.5	340		80	40	Total count gamma
				Ox	Damp	60	
NP190 SRAT	4.5	5	390		180	50 40	Total count gamma
	10			Ox	Wet	50	
NP190 SRAT	5	5.5	140		800		Total count gamma
	30	Y		Ox	Wet	63	
NP190 SRAT	5.5	6	210		350		Total count gamma
	20			Ox	Wet	80	
NP190 SRAT	6	6.5	240		320	50	Total count gamma
	30	Y	Y	Re	Wet	70	
						v carb sand	
NP190 SRAT	6.5	7	270		200	50	Total count gamma
	60		Y	Re	Wet	30	
						mod. Carb	
NP190 SRAT	7	7.5	270		220	50	Total count gamma
	60		Y	Re	Wet	30	
						mod. Carb	
NP190 SRAT	7.5	8	200		100	50	Total count gamma
	30		Y	Re	Wet	70	
						mod. Carb sand	
NP190 SRAT	8	8.5	240		80		Total count gamma
	40			Re	Wet	60	
NP190 SRAT	8.5	8.6					Total count gamma
	70			Ox	Dry		
NP191 SRAT	0 70	1	480		50	50 30	Total count gamma
				Ox	Dry	70% Soil	
NP191 SRAT	1	1.5	190		60	55 90	Total count gamma
				Ox	Dry		

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NP191 SRAT	1.5	2	150		65	55 100	Total count gamma
				Ox	Dry		
NP191 SRAT	2	2.5	230		60	55 100	Total count gamma
				Ox	Dry		
NP191 SRAT	2.5	3	390		65	55 40 60	Total count gamma
				Ox	Dry	Silcrete 40%	
NP191 SRAT	3	3.5	400		200	55 10 80	Total count gamma
	10			Ox	Dry	Loose Sand	
NP191 SRAT	3.5	4	320		1000	55 90	Total count gamma
	10			Ox	Dry	Loose Sand	
NP191 SRAT	4	4.5	270		1100	55 80	Total count gamma
	20	Y		Ox	Dry	Tr 2nd U	
NP191 SRAT	4.5	5	2900		600	55 70	Total count gamma
	25	Y		Ox	Dry	Tr 2nd U	
NP191 SRAT	5	5.5	380		630	60 70	Total count gamma
	30			Ox	wet	sl carb	
NP191 SRAT	5.5	6	250		400	60 70	Total count gamma
	30			Ox	wet	sl carb	
NP191 SRAT	6	6.5	280		460	65 60	Total count gamma
	40			Ox	wet		
NP191 SRAT	6.5	7	420		370	60 65	Total count gamma
	35			Ox	wet		
NP191 SRAT	7	7.5	200		400	30	Total count gamma
	70			Ox	wet	"3/5 Sand, 2/5 Red clay"	
NP192 SRAT	0 60	1	510		65	50 40	Total count gamma
				Ox	Dry		
NP192 SRAT	1	1.5	230		80	50 100	Total count gamma
				Ox	Dry		
NP192 SRAT	1.5	2	180		170	50 100	Total count gamma
				Ox	Dry		
NP192 SRAT	2	2.5	210		100	55 50	Total count gamma
				Ox	Dry		
NP192 SRAT	2.5	3	300		85	50 25 65	Total count gamma
	10			Ox	Dry	Silcrete 20%	



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NP192 SRAT	3	3.5	280		75	50	Total count gamma 85
	10			Ox	Dry	5	Loose Sand
NP192 SRAT	3.5	4	310		250	50	Total count gamma 85
	10			Ox	Dry		Loose Sand Damp
NP192 SRAT	4	4.5	290		800	50	Total count gamma 80
	15	Y		Ox	Dry		
NP192 SRAT	4.5	5	330		1200	50	Total count gamma 75
	25	Y		Ox	Dry		2nd U common
NP192 SRAT	5	5.5	360		800	50	Total count gamma 75
	25	Y		Ox	Wet		
NP192 SRAT	5.5	6	240		650	60	Total count gamma 70
	30	Y	Y	Re	Wet		V Carbonaceous
NP192 SRAT	6	6.5	290		260	65	Total count gamma 65
	35	Y		Ox	Wet		
NP192 SRAT	6.5	7	430		800	70	Total count gamma 80
	20			Ox	Wet		
NP192 SRAT	7	7.5	200		370	65	Total count gamma 70
	30			Ox	Wet		"4/5 Sand (Coarse), 1/5 Red clay"
NP193 SRAT	0	1	470		60	50	Total count gamma 60
	40			Ox	Dry		
NP193 SRAT	1	1.5	160		70	50	Total count gamma 100
				Ox	Dry		
NP193 SRAT	1.5	2	100		65	55	Total count gamma 100
				Ox	Dry		
NP193 SRAT	2	2.5	210		75	55	Total count gamma 100
				Ox	Dry	100	Silcrete 30%
NP193 SRAT	2.5	3	240		80	55	Total count gamma 10
	10			Ox	Dry		
NP193 SRAT	3	3.5	260		100	55	Total count gamma 80
	10			Ox	Damp		Damp
NP193 SRAT	3.5	4	240		95	60	Total count gamma 80
	10			Ox	Damp		
NP193 SRAT	4	4.5	190		550	50	Total count gamma 90
	10			Ox	Damp		

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NP193 SRAT	4.5	5	260		2000	50	Total count gamma 90
	10	Y		Ox	Damp		2nd Uranium Pellets common
NP193 SRAT	5	5.5	290		1200	80	Total count gamma 80
	20	Y		Ox	Dry		2nd Uranium Pellets; mod. carb
NP193 SRAT	5.5	6	240		680	80	Total count gamma 70
	30		Y	Re	Wet		very carb
NP193 SRAT	6	6.5	240		620	80	Total count gamma 70
	30			Ox	Wet		sl. Carb
NP193 SRAT	6.5	7	300		480	80	Total count gamma 60
	40			Ox	Wet		
NP193 SRAT	7	7.6	250		200	75	Total count gamma 70
	30			Ox	Wet		"9/10 Sand, 1/10 Red clay"
NP194 SRAT	0	1	390		60	55	Total count gamma 50
	50			Ox	Dry		
NP194 SRAT	1	1.5	100		55	50	Total count gamma 70
	10			Ox	Dry		20
NP194 SRAT	1.5	2	100		60	55	Total count gamma 60
	10			Ox	Dry		30
NP194 SRAT	2	2.5	210		65	55	Total count gamma 60
	10			Ox	Dry		30
NP194 SRAT	2.5	3	290		70	55	Total count gamma 20
	10			Ox	Dry		70
NP194 SRAT	3	3.5	270		95	55	Total count gamma 10
	10			Ox	Dry		80
NP194 SRAT	3.5	4	260		250	55	Total count gamma 90
	10			Ox	Dry		10% sst; Damp
NP194 SRAT	4	4.5	180		120	55	Total count gamma 90
				Ox	Dry		Loose Sand
NP194 SRAT	4.5	5	330		500	55	Total count gamma 85
	10	Y		Ox	Dry		2nd Uranium Trace ; Very Damp
NP194 SRAT	5	5.5	260		450	55	Total count gamma 80
	20		Y	Re	Dry		Mod. Carb.
NP194 SRAT	5.5	6	170		300	55	Total count gamma 55
	45		Y	Re	Dry		Mod. Carb.

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NP194 SRAT	6	6.5	350		350	55	Total count gamma 60
	40			Ox	Dry	sl carb	
NP194 SRAT	6.5	7	140		110	55	Total count gamma 75
	25			Ox	Dry		
NP194 SRAT	7	7.4	70		180	55	Total count gamma 50
	50			Ox	Dry	"1/2 Sand, 1/2 Red clay"	
NP195 SRAT	0	1	460		70	55	Total count gamma 50
	50			Ox	Dry		
NP195 SRAT	1	1.5	150		65	55	Total count gamma 100
				Ox	Dry		
NP195 SRAT	1.5	2	170		80	55	Total count gamma 100
				Ox	Dry	Rock-Hard silcrete 15%	
NP195 SRAT	2	2.5	280		95	55	Total count gamma 30
				Ox	Dry	Rock-Hard silcrete 15%	
NP195 SRAT	2.5	3	160		120	55	Total count gamma 10
	10			Ox	Dry	sst 15%	
NP195 SRAT	3	3.5	240		90	55	Total count gamma 90
	10			Ox	Dry	2nd Uranium Trace; sst 15%	
NP195 SRAT	3.5	4	230		100	55	Total count gamma 90
	10			Ox	Damp	sst 10%; Damp	
NP195 SRAT	4	4.5	270		600	55	Total count gamma 90
	10			Ox	Damp	sst 10%;Damp	
NP195 SRAT	4.5	5	270		700	55	Total count gamma 80
	20	Y		Ox	Damp	2nd Uranium trace; Spotty Blk	
Carbon? NP195 SRAT	5	5.5	250		260	55	Total count gamma 70
	30	Y		Ox	Dry	sl. carb	
NP195 SRAT	5.5	6	220		200	55	Total count gamma 60
	40			Ox	wet		
NP195 SRAT	6	6.5	140		400	55	Total count gamma 65
	35			Ox	wet		
NP195 SRAT	6.5	7	150		500	55	Total count gamma 60
	40	Y		Ox	wet	"2/5 Red Brown Clay, 3/5 sand +	
2nd U in sand" NP196 SRAT	0	1	440		70	55	Total count gamma 60
	40			Ox	Dry		

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NP196 SRAT	1	1.5	190		70	55 80	Total count gamma
	10			Ox	Dry		
NP196 SRAT	1.5	2	100		70	60 70	Total count gamma
	10			Ox	Dry		
NP196 SRAT	2	2.5	220		70	60 30	Total count gamma
	15			Ox	Dry		40
NP196 SRAT	2.5	3	190		80	60	Total count gamma
	25			Ox	Dry	SST 20%	60
NP196 SRAT	3	3.5	270		100	60	Total count gamma
	15			Ox	Dry	SST 15%	80
NP196 SRAT	3.5	4	280		1050	60	Total count gamma
	20			Ox	Dry	SST10%	70
NP196 SRAT	4	4.5	140		450	60	Total count gamma
	25			Ox	Dry	sst10%	70
NP196 SRAT	4.5	5	360		400	60	Total count gamma
	35			Ox	Damp	Damp	60
NP196 SRAT	5	5.5	210		210	60	Total count gamma
	35			Re	Damp	sl carb	65
NP196 SRAT	5.5	6	200		220	60	Total count gamma
	25			Re	wet		70
NP196 SRAT	6	6.5	260		300	60	Total count gamma
	30			Ox	wet		70
NP196 SRAT	6.5	7.3	210		180	60	Total count gamma
	45			Ox	wet	4/5 Sand	55
NP197 SRAT	0 70	1	490		70	55 30	Total count gamma
				Ox	Dry		
NP197 SRAT	1	1.5	170		70	55 50	Total count gamma
	20			Ox	Dry		20
NP197 SRAT	1.5	2	130		70	60 50	Total count gamma
	20			Ox	Dry	Grinding; 10% silcrete	20
NP197 SRAT	2	2.5	190		70	60 50	Total count gamma
	20			Ox	Dry	Grinding ;20% silcrete	20
NP197 SRAT	2.5	3	220		65	60	Total count gamma
	10			Ox	Dry		70

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NP197 SRAT	3	3.5	290		70	60	Total count gamma 70
	20			Ox	Dry		
NP197 SRAT	3.5	4	280		270	60	Total count gamma 80
	15			Ox	Dry	sst 10%	
NP197 SRAT	4	4.5	170		250	60	Total count gamma 85
	10			Ox	Dry	sst 5%	
NP197 SRAT	4.5	5	260		1100	60	Total count gamma 70
	25	Y		Ox	Dry	2nd Uranium minor; sl carb	
NP197 SRAT	5	5.5	280		1300	60	Total count gamma 65
	35	Y	Y	Re	Dry	2nd Uranium; very carb	
NP197 SRAT	5.5	6	230		650	60	Total count gamma 65
	35		Y	Re	Wet	very carb	
NP197 SRAT	6	6.5	310		320	60	Total count gamma 75
	25			Ox	Wet		
NP197 SRAT	6.5	7	330		1200	60	Total count gamma 70
	30	Y		Ox	Wet	2nd Uranium Trace	
NP197 SRAT	7	7.5	190		360	60	Total count gamma 20
	60			Ox	Wet	Light Pink Carb Clay???	
NP197 SRAT	7.5	8.2	200		270	70	Total count gamma
	70			Ox	Wet		
NP198 SRAT	0	1	550		75	55	Total count gamma
	40			Ox	Dry	60	
NP198 SRAT	1	1.5	150		70	60	Total count gamma
				Ox	Dry	70	
NP198 SRAT	1.5	2	120		75		Total count gamma
				Ox	Dry	70	
NP198 SRAT	2	2.5	200		70	60	Total count gamma
				Ox	Dry	40	60
NP198 SRAT	2.5	3	150		70	60	Total count gamma
	20			Ox	Dry	10	70
NP198 SRAT	3	3.5	180		120	60	Total count gamma
	40			Ox	Dry		60
NP198 SRAT	3.5	4	280		480		Total count gamma
	25			Ox	Dry		75

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NP198 SRAT	4	4.5	240		550	65	Total count gamma 75
	25			Ox	Dry		Blk (Carb) Stain
NP198 SRAT	4.5	5	260		500		Total count gamma 60
	40			Ox	Dry		
NP198 SRAT	5	5.5	250		470	65	Total count gamma 50
	50			Ox	wet		Slight Carbon wet
NP198 SRAT	5.5	6	270		380	60	Total count gamma 60
	40		Y	Re	Wet		Mod. Carbon
NP198 SRAT	6	6.5	230		150	70	Total count gamma 50
	50			Ox	Wet		
NP198 SRAT	6.5	7	330		950	80	Total count gamma 75
	25			Ox	Wet		
NP198 SRAT	7	7.6	130		280	70	Total count gamma 75
	25			Ox	Wet		"4/5 Sand (Very Carb), 1/5
NP199 SRAT	0	1	430		85	60	Total count gamma 50
				Ox	Dry		
NP199 SRAT	1	1.5	120		75		Total count gamma 70
				Ox	Dry		
NP199 SRAT	1.5	2	120		85	60	Total count gamma 70
				Ox	Dry		Silcrete
NP199 SRAT	2	2.5	210		100	10	Total count gamma 70
				Ox	Dry		Silcrete
NP199 SRAT	2.5	3	160		120	60	Total count gamma 70
	15			Ox	Dry	10	
NP199 SRAT	3	3.5	190		400		Total count gamma 70
	20			Ox	Dry	10	
NP199 SRAT	3.5	4	270		650		Total count gamma 65
	35			Ox	Dry		
NP199 SRAT	4	4.5	250		600		Total count gamma 65
	35			Ox	Dry		Very Fine Lath - crystal
NP199 SRAT	4.5	5	270		530		Total count gamma 60
	40		Y	Re	Dry		Mod Carb
NP199 SRAT	5	5.5	250		420	70	Total count gamma 40
	60		Y	Re	Wet		Very Carb

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NP199 SRAT	5.5	6	260		200		Total count gamma 40
	60		Y	Re	wet	Mod Carb	
NP199 SRAT	6	6.5	220		50		Total count gamma 35
	65	Y		ox	wet	2nd Uranium Minor	
NP199 SRAT	6.5	7	170		460	75	Total count gamma 50
	50			ox	wet	slight Carb	
NP199 SRAT	7	7.5	70		130		Total count gamma 70
	30			ox	wet	slight Carb	
NP199 SRAT	7.5	7.8	200		170	70	Total count gamma 70
	30			ox	wet	1/5 Sand (slight Carb)	
NP200 SRAT	0	1	490		75	60	Total count gamma 50
	50			ox	Dry		
NP200 SRAT	1	1.5	200		120	60	Total count gamma 60
				ox	Dry		
NP200 SRAT	1.5	2	190		200		Total count gamma 60
	20	Y		ox	Dry	20	2nd Uranium on silcrete
NP200 SRAT	2	2.5	220		290	60	Total count gamma 70
	15	Y		ox	Dry	20	2nd Uranium on silcrete
NP200 SRAT	2.5	3	170		250	60	Total count gamma 70
	20			ox	Dry	10	
NP200 SRAT	3	3.5	230		370	60	Total count gamma 70
	20			ox	Dry	10	
NP200 SRAT	3.5	4	210		500		Total count gamma 70
	20			ox	Dry	10	
NP200 SRAT	4	4.5	160		800	70	Total count gamma 70
	25	Y		ox	Dry	10	2nd Uranium Trace (granule)
NP200 SRAT	4.5	5	280		750		Total count gamma 70
	30			ox	Dry		
NP200 SRAT	5	5.5	250		300	70	Total count gamma 65
	35		Y	Re	wet	Mod. Carb	
NP200 SRAT	5.5	6	220		120	70	Total count gamma 60
	40			ox	wet	slight Carb	
NP200 SRAT	6	6.5	320		600	70	Total count gamma 70
	25			ox	wet	slight Carb	

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NP200 SRAT	6.5	7	230		720	70	Total count gamma 65
	35		Y	Re	Wet		Very Carb
NP200 SRAT	7	7.5	150		500	80	Total count gamma 80
	20		Y	Re	Wet		Mod. Carb
NP200 SRAT	7.5	8	60		100	80	Total count gamma 35
	65			Ox	Wet		"1/3 Sand, 2/3 pallid/Red clay"
NP201 SRAT	0	1	540		70	55	Total count gamma 30
	70			Ox	Dry		
NP201 SRAT	1	1.5	180		70	55	Total count gamma 70
	20			Ox	Dry		
NP201 SRAT	1.5	2	140		75	55	Total count gamma 40
	30			Ox	Dry		
NP201 SRAT	2	2.5	130		80	55	Total count gamma 20
	30			Ox	Dry		
NP201 SRAT	2.5	3	110		60	55	Total count gamma 30
	20			Ox	Dry		
NP201 SRAT	3	3.5	170		65		Total count gamma 30
	20			Ox	Dry		
NP201 SRAT	3.5	4	260		300		Total count gamma 10
	40			Ox	Dry		Grinding
NP201 SRAT	4	4.5	190		370	60	Total count gamma 40
	40			Ox	Dry		
NP201 SRAT	4.5	5	290		500		Total count gamma 20
	20			Ox	Dry		
NP201 SRAT	5	5.5	310		330	60	Total count gamma 60
	40			Ox	Dry		
NP201 SRAT	5.5	6	160		250		Total count gamma 65
	35	Y		Ox	Wet		2nd Uranium Trace
NP201 SRAT	6	6.5	340		450	60	Total count gamma 65
	35	Y		Ox	Wet		2nd Uranium Minor
NP201 SRAT	6.5	7	170		120	60	Total count gamma 60
	40		Y	Re	Wet		Mod. Carb
NP201 SRAT	7	7.5	110		100	60	Total count gamma 80
	20			Ox	Wet		



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NP201 SRAT	7.5 70	8.4	190		180	60	Total count gamma
				Ox	wet	All Red Brown Clay	
NP202 SRAT	0 50	1	480		95	60	Total count gamma
				Ox	Dry	50	
NP202 SRAT	1 30	1.5	210		180	60	Total count gamma
				Ox	Dry		
NP202 SRAT	1.5 30	2	130		250	60	Total count gamma
				Ox	Dry	60	
NP202 SRAT	2 30	2.5	120		630	60	Total count gamma
		Y		Ox	Dry	2nd Uranium - Common On Calcrete	
NP202 SRAT	2.5 30	3	200		720	70	Total count gamma
		Y		Ox	Dry	70 2nd Uranium - Common	
NP202 SRAT	3 15	3.5	290		370	70	Total count gamma
				Ox	Dry	60 25	
NP202 SRAT	3.5 20	4	290		400	70	Total count gamma
				Ox	Dry	20 60	
NP202 SRAT	4 30	4.5	190		500	30	Total count gamma
				Ox	Dry	40 Silcrete	
NP202 SRAT	4.5 20	5	260		450	80	Total count gamma
				Ox	Dry	20 60 sst 15%	
NP202 SRAT	5 40	5.5	300		360	70	Total count gamma
				Ox	Dry	50	
NP202 SRAT	5.5 30	6	260		360	60	Total count gamma
		Y		Ox	Dry	2nd Uranium Damp	
NP202 SRAT	6 30	6.5	200		310	80	Total count gamma
		Y		Ox	wet	70 2nd Uranium Wet	
NP202 SRAT	6.5 40	7	170		770	80	Total count gamma
		Y	Y	Re	wet	60 2nd Uranium; Very Carb	
NP202 SRAT	7 35	7.5	200		400	80	Total count gamma
			Y	Re	wet	65 Mod. Carb	
NP202 SRAT	7.5 80	8.1	110		150	80	Total count gamma
				Ox	wet	20 "4/5 Carb Sand, 1/5 Red clay"	
NP203 SRAT	0 70	1	470		65	60	Total count gamma
				Ox	Dry	30	

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NP203 SRAT	1	1.5	160		65	60	Total count gamma
	20			Ox	Dry	50	30
NP203 SRAT	1.5	2			180	75	Total count gamma
	20			Ox	Dry	50	30
NP203 SRAT	2	2.5	190		70	60	Total count gamma
	20			Ox	Dry	50	30
NP203 SRAT	2.5	3	210		95	60	Total count gamma
	20	Y		Ox	Dry	50	30
		calcrete/silcrete					2nd Uranium trace on
NP203 SRAT	3	3.5	220		95	60	Total count gamma
	20			Ox	Dry	10	70
							10% silcrete
NP203 SRAT	3.5	4	240		180	60	Total count gamma
	30			Ox	Dry		70
NP203 SRAT	4	4.5	250		260	60	Total count gamma
	30			Ox	Dry		70
							Damp
NP203 SRAT	4.5	5	260		300	55	Total count gamma
	35			Ox	Dry		65
							Damp
NP203 SRAT	5	5.5	370		270		Total count gamma
	25			Ox	Dry		75
							"5% sst, black staining"
GA NP203 SRAT	3						
	5.5	6	190		310	60	Total count gamma
	20			Ox	wet		80
							slight Carb
NP203 SRAT	6	6.5	250		330	60	Total count gamma
	25			Ox	wet		75
							slight Carb
NP203 SRAT	6.5	7	410		900	75	Total count gamma
	40		Y	Ox	wet		60
							Mod. Carbon
NP203 SRAT	7	7.5	300		1200	70	Total count gamma
	30		Y	Re	wet		70
							Loose Basal Sand; Mod. Carb
NP203 SRAT	7.5	8	150		250	60	Total count gamma
	15			Ox	wet		85
							"Coarse loose sand, slight carb"
NP203 SRAT	8	8.8	200		190	70	Total count gamma
	70			Ox	wet		
							All pallid over red brown clay
NP204 SRAT	0	1	360		60	55	Total count gamma
	50			Ox	Dry	50	
							"4 Digs..each 1/2m ""Running""
nodular NP204 SRAT	1	1.5	150		70	55	Total count gamma
	30			Ox	Dry	60	
							"4 Digs each 1/2 m ""Running""
							nodular - rubbly calcrete"

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NP204	1.5	2	150	70	55	Total count gamma
SRAT					70	20
	10			Ox	Dry	"4 Digs each 1/2m ""Running""
nodular	-	rubbly calcrete"				
NP204	2	2.5	170	75	55	Total count gamma
SRAT					70	20
	10			Ox	Dry	"4 Digs each 1/2m ""Running""
nodular	-	rubbly calcrete"				
NP204	2.5	3	240	70	55	Total count gamma
SRAT					70	20
	10			Ox	Dry	"4 Digs each 1/2m ""Running""
nodular	-	rubbly calcrete"				
NP204	3	3.5	170	80	60	Total count gamma
SRAT					20	70
	10			Ox	Dry	Sandstone + silcrete
NP204	3.5	4	290	100	55	Total count gamma
SRAT					5	90
	10			Ox	Dry	Sandstone 40%
NP204	4	4.5	230	95	55	Total count gamma
SRAT						100
				Ox	Dry	Sandstone 30%
NP204	4.5	5	390	110	55	Total count gamma
SRAT						100
				Ox	Dry	Sandstone 20%
NP204	5	5.5	150	300	60	Total count gamma
SRAT						100
				Ox	Dry	Sandstone 20%
NP204	5.5	6	300	3400		Total count gamma
SRAT						100
		Y		Ox	wet	2nd Uranium Abundant. Wet
NP204	6	6.5	110	1300	65	Total count gamma
SRAT						90
	10	Y		Ox	wet	2nd Uranium Abundant. Wet
NP204	6.5	7	230	570	65	Total count gamma
SRAT						90
	10			Ox	wet	
NP204	7	7.5	270	340	60	Total count gamma
SRAT						80
	20			Ox	wet	
NP204	7.5	8	300	400	60	Total count gamma
SRAT						80
	20	Y		Ox	wet	2nd Uranium Trace
NP204	8	8.7	420	350	60	Total count gamma
SRAT						40
	60			Ox	wet	3/5 sand over mottled clay-sap
NP205	0	1	520	55	55	Total count gamma
SRAT	30				70	
				Ox	Dry	4 Digs
NP205	1	1.5	260	60	55	Total count gamma
SRAT					90	
				Ox	Dry	Powdery (4 Digs)
NP205	1.5	2	220	60	55	Total count gamma
SRAT					90	
				Ox	Dry	Calcrete

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NP205 SRAT	2	2.5	250	60	100	Total count gamma
				Ox	Dry	Calcrete
NP205 SRAT	2.5	3	270	65	55	Total count gamma
				Ox	Dry	100 Calcrete
NP205 SRAT	3	3.5	330	65	55	Total count gamma
				Ox	Dry	70 30
NP205 SRAT	3.5	4	370	75		Total count gamma
				Ox	Dry	100 Sandstone - silcrete 30%
NP205 SRAT	4	4.5	260	130	55	Total count gamma
				Ox	Dry	100 Sandstone 30%
NP205 SRAT	4.5	5	280	110	60	Total count gamma
	10			Ox	Dry	90 Sandstone 20% GA 3
NP205 SRAT	5	5.5	240	550	55	Total count gamma
		Y		Ox	Dry	100 "2nd Uranium, Loose Damp Sand"
GA NP205 SRAT	3	6	310	170	60	Total count gamma
	5.5			Ox	Wet	90
NP205 SRAT	6	6.5	270	210	50	Total count gamma
	10			Ox	Wet	90
NP205 SRAT	6.5	7	260	110		Total count gamma
	10			Ox	Wet	90
NP205 SRAT	7	7.5	300	180	50	Total count gamma
	15			Ox	Wet	85
NP205 SRAT	7.5	8	210	200	60	Total count gamma
	15			Ox	Wet	85
NP205 SRAT	8	8.5	240	500		Total count gamma
	60			Ox	Wet	30 1/2 Sand-Clay + 1/2 Mottled clay
sap + trace 2nd Uranium?						
NP206 SRAT	0	1	480	55	55	Total count gamma
	10			Ox	Dry	90
NP206 SRAT	1	1.5	160	50	50	Total count gamma
				Ox	Dry	100
NP206 SRAT	1.5	2	200	55	55	Total count gamma
				Ox	Dry	100
NP206 SRAT	2	2.5	190	60	55	Total count gamma
				Ox	Dry	100

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NP206 SRAT	2.5	3	150	65	55	Total count gamma
				Ox	Dry	100
NP206 SRAT	3	3.5	270	60	55	Total count gamma
	10			Ox	Dry	20 70 Sandstone 20%
NP206 SRAT	3.5	4	260	95	55	Total count gamma
	15			Ox	Dry	10 75 Sandstone 15%
NP206 SRAT	4	4.5	240	340	55	Total count gamma
	10			Ox	Dry	90 Sandstone 15%
NP206 SRAT	4.5	5	190	230	55	Total count gamma
		Y		Ox	Dry	100 2nd Uranium pellets
NP206 SRAT	5	5.5	240	700		Total count gamma
		Y		Ox	Dry	100 2nd Uranium minor
NP206 SRAT	5.5	6	160	250	55	Total count gamma
	10	Y		Ox	Wet	90 2nd Uranium Trace Wet
NP206 SRAT	6	6.5	150	280	55	Total count gamma
	15	Y		Ox	Wet	85 2nd Uranium Wet
NP206 SRAT	6.5	7	260	150	55	Total count gamma
	20			Ox	Wet	80
NP206 SRAT	7	7.5	210	170	60	Total count gamma
	20			Ox	Wet	80 C-VC Sand
NP206 SRAT	7.5	8	140	90	55	Total count gamma
	15			Ox	Wet	85 C-VC Sand
NP206 SRAT	8	8.8	210	250	55	Total count gamma
	70			Ox	Wet	95% Mottled Red Brown Gritty
Clay - Sap NP207 SRAT	0 40	1	390	60	55	Total count gamma
				Ox	Dry	60
NP207 SRAT	1	1.5	150	55		Total count gamma
				Ox	Dry	100
NP207 SRAT	1.5	2	100	55	55	Total count gamma
				Ox	Dry	100
NP207 SRAT	2	2.5	150	55		Total count gamma
				Ox	Dry	100
NP207 SRAT	2.5	3	220	60	55	Total count gamma
				Ox	Dry	100

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NP207 SRAT	3	3.5	200	60	55	Total count gamma
				Ox	Dry	30 70 20% Sandstone
NP207 SRAT	3.5	4	170	60	55	Total count gamma
	10			Ox	Dry	90 20% Sandstone
NP207 SRAT	4	4.5	330	70	50	Total count gamma
				Ox	Dry	100 30% Sandstone
NP207 SRAT	4.5	5	250	75		Total count gamma
	10			Ox	Dry	90 Damp
NP207 SRAT	5	5.5	160	70	55	Total count gamma
				Ox	Dry	100
NP207 SRAT	5.5	6	230	80	55	Total count gamma
	10			Ox	Wet	90
NP207 SRAT	6	6.5	230	270	55	Total count gamma
	15			Ox	Wet	85
NP207 SRAT	6.5	7	280	95	50	Total count gamma
	15			Ox	Wet	85
NP207 SRAT	7	7.5	260	230	55	Total count gamma
	15			Ox	Wet	85 Brown Mottling
NP207 SRAT	7.5	8	160	150	55	Total count gamma
	15			Ox	Wet	85
NP207 SRAT	8	8.7	180	120		Total count gamma
	60			Ox	Wet	"1/3 Sand, 2/3 red brown greitty
NP208 SRAT	0	1	470	70	65	Total count gamma
	80			Ox	Dry	20
NP208 SRAT	1	1.5	110	60	60	Total count gamma
				Ox	Dry	30 Calcrete
NP208 SRAT	1.5	2	110	65	60	Total count gamma
				Ox	Dry	60
NP208 SRAT	2	2.5	120	60	60	Total count gamma
				Ox	Dry	70
NP208 SRAT	2.5	3	130	70	60	Total count gamma
				Ox	Dry	100
NP208 SRAT	3	3.5	250	70	60	Total count gamma
	10			Ox	Dry	10 80 Sandstone/Silcrete 30%

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NP208 SRAT	3.5	4	250	130	60	Total count gamma 100
				Ox	Dry	Sandstone 30%
NP208 SRAT	4	4.5	140	130	60	Total count gamma 100
				Ox	Dry	Sandstone 30% Damp
NP208 SRAT	4.5	5	160	120	60	Total count gamma 100
				Ox	Dry	Sandstone 30% Damp
NP208 SRAT	5	5.5	220	120	60	Total count gamma 85
	15			Ox	Dry	Damp
NP208 SRAT	5.5	6	200	110	60	Total count gamma 85
	15			Ox	Wet	
NP208 SRAT	6	6.5	290	130	60	Total count gamma 75
	25			Ox	Wet	
NP208 SRAT	6.5	7	270	1000		Total count gamma 60
	40			Ox	Wet	
NP208 SRAT	7	7.5	240	520	60	Total count gamma 60
	40			Ox	Wet	
NP208 SRAT	7.5	8	60	200		Total count gamma 70
	30			Ox	Wet	Very Low Recovery
NP208 SRAT	8	8.8	220	150	65	Total count gamma
	70			Ox	Wet	All Dark Red Brown Clay
NP209 SRAT	0	1	410	65	60	Total count gamma 70
	30			Ox	Dry	
NP209 SRAT	1	1.5	100	60	60	Total count gamma 100
				Ox	Dry	Powdery
NP209 SRAT	1.5	2	80	60	60	Total count gamma 100
				Ox	Dry	Calcrete
NP209 SRAT	2	2.5	210	60	60	Total count gamma 100
				Ox	Dry	
NP209 SRAT	2.5	3	290	65		Total count gamma
				Ox	Dry	
NP209 SRAT	3	3.5	320	80		Total count gamma 70
				Ox	Dry	Sandstone 20%
NP209 SRAT	3.5	4	270	180	60	Total count gamma 100
				Ox	Dry	Sandstone 10% Damp

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NP209 SRAT	4	4.5	330	420	60	Total count gamma 100
			Ox	Dry	Sandstone 10% Wet	GA
NP209 SRAT	4.5	5	350	300	60	Total count gamma 90
	10		Ox	Wet	Wet	
NP209 SRAT	5	5.5	380	200	60	Total count gamma 100
			Ox	Wet		
NP209 SRAT	5.5	6	300	280	60	Total count gamma 60
	40		Ox	Wet		
NP209 SRAT	6	6.5	310	250	55	Total count gamma 30
	60		Ox	Wet		
NP209 SRAT	6.5	7	270	700	60	Total count gamma 60
	40		Ox	Wet		
NP209 SRAT	7	7.5	180	400	60	Total count gamma 70
	30		Ox	Wet		
NP209 SRAT	7.5	8.2	170	180	60	Total count gamma 30
	50		Ox	Wet	1/2 Sand; 1/2 Limonitic Red Clay	
NP210 SRAT	0	1	470	60	60	Total count gamma
	50		Ox	Dry	50	
NP210 SRAT	1	1.5	260	60	60	Total count gamma
			Ox	Dry	100 Powdery	
NP210 SRAT	1.5	2	190	55	55	Total count gamma
			Ox	Dry	100 Calcrete	
NP210 SRAT	2	2.5	240	55	55	Total count gamma
			Ox	Dry	100 Calcrete	
NP210 SRAT	2.5	3	270	60	60	Total count gamma
			Ox	Dry	100 Calcrete	
NP210 SRAT	3	3.5	330	60	60	Total count gamma
			Ox	Dry	100 Calcrete	
NP210 SRAT	3.5	4	300	60	60	Total count gamma
		Y	Ox	Dry	80 2nd Uranium on Silcrete	20
NP210 SRAT	4	4.5	280	450	60	Total count gamma
	10		Ox	Dry	30 "Grinding, Very Damp"	60
NP210 SRAT	4.5	5	330	130	55	Total count gamma
	15		Ox	Wet	15 Sandstone 10%	70



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NP210 SRAT	5	5.5	410		120	60	Total count gamma 80
	20			Ox	Wet		
NP210 SRAT	5.5	6	340		95	60	Total count gamma 40
	60			Ox	Wet		
NP210 SRAT	6	6.5	330		100	55	Total count gamma 30
	60			Ox	Wet		
NP210 SRAT	6.5	7	280		550	60	Total count gamma 40
	60			Ox	Wet		
NP210 SRAT	7	7.5	230		220	60	Total count gamma 40
	50			Ox	Wet		C-Grannule Sand Seam
NP210 SRAT	7.5	8	340		700	60	Total count gamma 60
	40			Ox	Wet		
NP210 SRAT	8	8.5	220		130	55	Total count gamma 20
	70			Ox	Wet		1/4 Grannule Sand On 3/4 clay
Sap NP211 SRAT	0	1	490		150	55	Total count gamma
	10			Ox	Dry	90	
NP211 SRAT	1	1.5	240		150	60	Total count gamma
				Ox	Dry	100	2nd Uranium Trace
NP211 SRAT	1.5	2	180		110	60	Total count gamma
				Ox	Dry	100	
NP211 SRAT	2	2.5	190		110	60	Total count gamma
				Ox	Dry	100	
NP211 SRAT	2.5	3	300		95	55	Total count gamma
				Ox	Dry	100	
NP211 SRAT	3	3.5	340		110		Total count gamma
				Ox	Dry	100	Rocky - Siliceous Calcrete
NP211 SRAT	3.5	4	350		210	60	Total count gamma
				Ox	Dry	100	Grinding - Siliceous Calcrete
NP211 SRAT	4	4.5	360		250	55	Total count gamma
				Ox	Wet	40	60 Sandstone 30%
NP211 SRAT	4.5	5	200		380	60	Total count gamma
				Ox	Wet	40	60 Sandstone 30%
NP211 SRAT	5	5.5	280		250	60	Total count gamma
				Ox	Wet	30	70 Sandstone 20%

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NP211 SRAT	5.5 35	6	340		Ox	Wet	60 Total count gamma 65
NP211 SRAT	6 50	6.5 Y	320		Ox	Wet	370 55 Total count gamma 50 2nd Uranium; slight Carb
NP211 SRAT	6.5 60	7	170		Ox	Wet	400 55 Total count gamma 30
NP211 SRAT	7 50	7.5 Y	220		Re	Wet	300 55 Total count gamma 50 Mod. Carb
NP211 SRAT	7.5 60	8	210		Ox	Wet	200 60 Total count gamma 30
NP211 SRAT	8 40	8.6 Y	270		Re	Wet	180 Total count gamma 60 1/2 Mod. Carbon. Sand over
NP211 SRAT	8.5	9			Ox	Wet	Total count gamma "1/2 Dk yellow grey granite
saprolite, soft" NP212 SRAT	0 10	1	520		Ox	Dry	65 55 Total count gamma 90 Nodular to rubbly calcrete
NP212 SRAT	1	1.5	380		Ox	Dry	65 Total count gamma 100 Powdery
NP212 SRAT	1.5	2	260		Ox	Dry	65 60 Total count gamma 100 Powdery
NP212 SRAT	2	2.5	240		Ox	Dry	65 60 Total count gamma 100 Powdery
NP212 SRAT	2.5	3	270		Ox	Dry	60 55 Total count gamma 100 Powdery
NP212 SRAT	3 10	3.5	250		Ox	Dry	60 60 Total count gamma 90
NP212 SRAT	3.5 30	4	260		Ox	Dry	150 60 Total count gamma 60 10
NP212 SRAT	4 60	4.5 Y	310		Ox	Dry	1100 40 Total count gamma 2nd Uranium common
NP212 SRAT	4.5 70	5	340		Ox	Wet	1950 wet Total count gamma 30
NP212 SRAT	5 60	5.5	380		Ox	Wet	1050 60 Total count gamma 40

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NP212 SRAT	5.5 40	6	220	Ox	Wet	670 55	Total count gamma 60
NP212 SRAT	6 70	6.5	290	Ox	Wet	400 60	Total count gamma 30
NP212 SRAT	6.5 60	7	320	Ox	Wet	450 60	Total count gamma 40
NP212 SRAT	7 50	7.5	250	Ox	Wet	250 60	Total count gamma 50 Slight Carb
NP212 SRAT	7.5 40	8	220	Ox	Wet	200 60	Total count gamma 60 Slight Carb
NP212 SRAT	8 70	8.8	210	Ox	Wet	230 60	Total count gamma 10 "Clayey Sand Or Saprolite On
Top, Basal Granite Saprolite c.f. NP-211"							
NP213 SRAT	0	1	470	Ox	Dry	55 55 100	Total count gamma 100 Rubbly Calcrete
NP213 SRAT	1	1.5	360	Ox	Dry	55 55 100	Total count gamma 100 Caving
NP213 SRAT	1.5	2	220	Ox	Dry	50 100	Total count gamma 100
NP213 SRAT	2	2.5	290	Ox	Dry	55 55 100	Total count gamma 100 (Dense)/Heavy
NP213 SRAT	2.5	3	410	Ox	Dry	60 55 100	Total count gamma 100 (Dense)/Heavy
NP213 SRAT	3 15	3.5	350	Ox	Dry	60 55 70	Total count gamma 15
NP213 SRAT	3.5 10	4	350	Ox	Dry	70 55 5	Total count gamma 85
NP213 SRAT	4 35	4.5	290	Ox	Dry	820	Total count gamma 65 2nd Uranium Common
NP213 SRAT	4.5 60	5	440	Ox	Dry	6500 70	Total count gamma 40 2nd Uranium Abundant; Very Damp
NP213 SRAT	5 35	5.5	300	Ox	Dry	2500	Total count gamma 65 2nd Uranium Common; Very Damp
NP213 SRAT	5.5 25	6	270	Ox	Wet	730 70	Total count gamma 75 2nd Uranium trace;

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NP213 SRAT	6	6.5	270		600	70	Total count gamma 70
	30			Ox	Wet		
NP213 SRAT	6.5	7	300		800	65	Total count gamma 50
	50		Y	Re	Wet	Mod. Carb	
NP213 SRAT	7	7.5	180		750	70	Total count gamma 60
	40		Y	Re	Wet	Mod. Carb	
NP213 SRAT	7.5	8	170		350	70	Total count gamma 70
	30		Y	Re	Wet	v. carb	
NP213 SRAT 90	8	8.5					Total count gamma 20
		70			Ox	Wet	
NP214 SRAT	0	1	460		300	80	Total count gamma
				Ox	Dry	100 High B/G	
NP214 SRAT	1	1.5	90		180	80	Total count gamma
				Ox	Dry	100 Powdery	
NP214 SRAT	1.5	2	230		200	75	Total count gamma
				Ox	Dry	100 Calcrete	
NP214 SRAT	2	2.5	130		150	75	Total count gamma
				Ox	Dry	100	
NP214 SRAT	2.5	3	290		120	80	Total count gamma
				Ox	Dry	100	
NP214 SRAT	3	3.5	250		110	70	Total count gamma
				Ox	Dry	100 Grinding	
NP214 SRAT	3.5	4	360		100	70	Total count gamma
	15			Ox	Dry	70	15
NP214 SRAT	4	4.5	290		90	70	Total count gamma
	25			Ox	Dry	Damp	75
NP214 SRAT	4.5	5	280		210	70	Total count gamma
	20			Ox	Wet	80 Sandstone 5% Very Damp	
NP214 SRAT	5	5.5	380		150	70	Total count gamma
	60			Ox	Wet	40	
NP214 SRAT	5.5	6	340		230	70	Total count gamma
	60	Y		Ox	Wet	30 2nd Uranium Trace	
NP214 SRAT	6	6.5	300		390	70	Total count gamma
	70			Ox	Wet	20	

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NP214 SRAT	6.5 60	7	230		170 70	Total count gamma 40
				Ox	Wet	
NP214 SRAT	7 60	7.5	230		170 70	Total count gamma 40
				Ox	Wet	
NP214 SRAT	7.5 50	8	200		460 70	Total count gamma 50
				Ox	Wet	
NP214 SRAT	8 60	8.5	270		370 70	Total count gamma
				Ox	Wet	Granite Saprolite
Biotite/Kfeldsp NP215 SRAT	0 40	1	520		60 60 60	Total count gamma
				Ox	Dry	
NP215 SRAT	1	1.5	170		55 55 100	Total count gamma
				Ox	Dry	
NP215 SRAT	1.5	2	140		50 55 100	Total count gamma
				Ox	Dry	
NP215 SRAT	2	2.5	170		60 60 100	Total count gamma
				Ox	Dry	
NP215 SRAT	2.5	3	260		60 60 100	Total count gamma
				Ox	Dry	
NP215 SRAT	3 15	3.5	290		60 55 75	Total count gamma 10
				Ox	Dry	
NP215 SRAT	3.5 20	4	260		70 60 15	Total count gamma 65
				Ox	Dry	Sandstone 10%
NP215 SRAT	4 20	4.5	180		60 55 80	Total count gamma 80
				Ox	Wet	Sandstone 20% Very Damp
NP215 SRAT	4.5 25	5	250		150 60 75	Total count gamma 75
				Ox	Wet	Sandstone 20%
NP215 SRAT	5 40	5.5	310		270 60 60	Total count gamma 60
				Ox	Wet	
NP215 SRAT	5.5 50	6	290		300 55 50	Total count gamma 50
				Ox	Wet	
NP215 SRAT	6 50	6.5	230		400 60 50	Total count gamma 50
				Ox	Wet	
NP215 SRAT	6.5 60	7	270		250 60 40	Total count gamma 40
				Ox	Wet	

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NP215 SRAT	7	7.5	210		600	55	Total count gamma 60
	40		Y	Re	Wet		Mod. carbon
NP215 SRAT	7.5	8	300		200	55	Total count gamma 30
	60		Y	Re	Wet		Mod. carbon
NP215 SRAT	8	8.5	180		140	55	Total count gamma
	60			Ox	Wet		"2/3 Sand, slight Carbon, 1/3 saprolite"
NP216 SRAT	0	1	460		60	55	Total count gamma
	30			Ox	Dry	70	
NP216 SRAT	1	1.5	220		55		Total count gamma
				Ox	Dry	70	
NP216 SRAT	1.5	2	160		60	50	Total count gamma
				Ox	Dry	70	
NP216 SRAT	2	2.5	180		70	50	Total count gamma
				Ox	Dry	100	
NP216 SRAT	2.5	3	260		70		Total count gamma
				Ox	Dry	100	
NP216 SRAT	3	3.5	310		65	55	Total count gamma
	15			Ox	Dry	180	5
NP216 SRAT	3.5	4	250		65	50	Total count gamma
	10			Ox	Dry		90 Sandstone 10% Damp
NP216 SRAT	4	4.5	220		65		Total count gamma
	10			Ox	Dry		90 Sandstone 20% Damp
NP216 SRAT	4.5	5	200		190	50	Total count gamma
	10			Ox	Wet		90 Sandstone 15% Damp
NP216 SRAT	5	5.5	260		270	50	Total count gamma
	40			Ox	Wet		60 Damp
NP216 SRAT	5.5	6	350		260	50	Total count gamma
	40			Ox	Wet		60 Damp
NP216 SRAT	6	6.5	260		400	50	Total count gamma
	35			Ox	Wet		65
NP216 SRAT	6.5	7	250		410	50	Total count gamma
	30			Ox	Wet		70
NP216 SRAT	7	7.5	190		150	50	Total count gamma
	40		Y	Re	Wet		60 Mod. Carb

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NP216 SRAT	7.5 35	8	170		120	50	Total count gamma 65
				Ox	wet	slight Carb	
NP216 SRAT	8 35	8.5	230		80		Total count gamma 65
				Ox	wet	slight Carb	
NP216 SRAT	8.5 70	9	270		100	50	Total count gamma
				Ox	wet	All clay - saprolite( granitic)	
NP217 SRAT	0 70	1	490		70		Total count gamma
				Ox	Dry	30	
NP217 SRAT	1	1.5	190		65		Total count gamma
				Ox	Dry	80	
NP217 SRAT	1.5 30	2	190		70	50 70	Total count gamma
				Ox	Dry		
NP217 SRAT	2 40	2.5	220		60	50 60	Total count gamma
				Ox	Dry		
NP217 SRAT	2.5 30	3	220		65	50 70	Total count gamma
				Ox	Dry		
NP217 SRAT	3 30	3.5	250		70	50 10	Total count gamma 60
				Ox	Dry		
NP217 SRAT	3.5	4	210		65		Total count gamma 100
				Ox	Dry	sandstone 15%	
NP217 SRAT	4 10	4.5	240		75	50	Total count gamma 90
		Y		Ox	Dry	2nd Uranium	
NP217 SRAT	4.5 20	5	290		1000	55	Total count gamma 80
				Ox	Dry	Grinding	GA 3
NP217 SRAT	5 30	5.5	300		650	55	Total count gamma 70
				Ox	wet		GA 3
NP217 SRAT	5.5 40	6	380		240	60	Total count gamma 60
				Ox	wet		GA 3
NP217 SRAT	6 50	6.5	270		200	60	Total count gamma 50
				Ox	wet		GA 3
NP217 SRAT	6.5 40	7	360		150	60	Total count gamma 60
				Ox	wet		
NP217 SRAT	7 50	7.5	220		210	60	Total count gamma 50
				Ox	wet	slight Carbon	

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NP217 SRAT	7.5 30	8	350	Ox	100 Wet	60	Total count gamma 70
NP217 SRAT	8 70	8.6	310	Ox	100 wet	1/3 Sand; 2/3 Clay sap	Total count gamma
NP218 SRAT	0	1	450	Ox	50 Dry	55 100	Total count gamma
NP218 SRAT	1	1.5	180	Ox	60 Dry	55 100	Total count gamma
NP218 SRAT	1.5	2	190	Ox	60 Dry	55 100	Total count gamma
NP218 SRAT	2	2.5	210	Ox	65 Dry	100	Total count gamma
NP218 SRAT	2.5	3	260	Ox	70 Dry	55 100	Total count gamma
NP218 SRAT	3	3.5	240	Ox	60 Dry	55 100	Total count gamma
NP218 SRAT	3.5 15	4	260	Ox	60 Dry	55 80	Total count gamma 5
NP218 SRAT	4 15	4.5	290	Ox	75 Dry	55 5 Damp	Total count gamma 80
NP218 SRAT	4.5 20	5	260	Ox	85 Dry	55 Damp	Total count gamma 80
NP218 SRAT	5 30	5.5	300	Ox	100 Dry	55 Very Damp	Total count gamma 70
NP218 SRAT	5.5 40	6	240	Ox	95 wet	55	Total count gamma 60
NP218 SRAT	6 40	6.5	260	Ox	95 wet	55	Total count gamma 60
NP218 SRAT	6.5 15	7	260	Ox	75 wet	55 Coarse granule sand	Total count gamma 85
NP218 SRAT	7 50	7.5	190	Ox	85 wet	50 slight carb	Total count gamma 50
NP218 SRAT	7.5 50	8	250	Ox	110 wet	50	Total count gamma 50



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NP218 SRAT	8	8.5	110		90	50	Total count gamma 85
	15			Ox	Wet		Coarse sand (Loose)
NP218 SRAT	8.5	9	190		100	50	Total count gamma 20
	70			Ox	Wet		1/5 Sand; 4/5 Red Clay-saprolite
NP219 SRAT	0	1	360		60	55	Total count gamma 100
				Ox	Dry		Rocky Calcrete
NP219 SRAT	1	1.5	290		65	55	Total count gamma 100
				Ox	Dry		Rocky Calcrete
NP219 SRAT	1.5	2	240		70	55	Total count gamma 100
				Ox	Dry		Powdery Calcrete
NP219 SRAT	2	2.5	210		100	55	Total count gamma 100
				Ox	Dry		Powdery Calcrete
NP219 SRAT	2.5	3	230		95	60	Total count gamma 100
				Ox	Dry		Powdery Calcrete
NP219 SRAT	3	3.5	260		70	55	Total count gamma 100
				Ox	Dry		Powdery Calcrete
NP219 SRAT	3.5	4	260		70	55	Total count gamma 100
				Ox	Dry		Powdery Calcrete
NP219 SRAT	4	4.5	320		75	55	Total count gamma 100
				Ox	Dry		Silicif. Calcrete
NP219 SRAT	4.5	5	430		70	50	Total count gamma 15
	15			Ox	Dry	70	5% Rock Very Damp
NP219 SRAT	5	5.5	290		160	50	Total count gamma 80
	20			Ox	Wet		5% Rock
NP219 SRAT	5.5	6	150		100	55	Total count gamma 75
	25			Ox	Wet		
NP219 SRAT	6	6.5	150		120	50	Total count gamma 60
	40			Ox	Wet		
NP219 SRAT	6.5	7	280		90	50	Total count gamma 75
	25			Ox	Wet		
NP219 SRAT	7	7.5	140		70	50	Total count gamma 70
	30			Ox	Wet		
NP219 SRAT	7.5	8	350		80	50	Total count gamma 50
	50			Ox	Wet		

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NP219 SRAT	8 40	8.5	180	Ox	60 Wet	50	Total count gamma 60
NP219 SRAT	8.5 60	9.1	180	Ox	70 wet	55	Total count gamma 40
clay-saprolite NP220 SRAT	0	1	460	Ox	65 Dry	50 100	Total count gamma
NP220 SRAT	1	1.5	210	Ox	65 Dry	100	Total count gamma
NP220 SRAT	1.5	2	160	Ox	70 Dry	55 100	Total count gamma
NP220 SRAT	2	2.5	140	Ox	80 Dry	55 100	Total count gamma
NP220 SRAT	2.5	3	210	Ox	80 Dry	55 100	Total count gamma
NP220 SRAT	3 5	3.5	310	Ox	90 Dry	50 90	Total count gamma 5
NP220 SRAT	3.5	4	240	Ox	80 Dry	50 100	Total count gamma
NP220 SRAT	4 40	4.5	190	Ox	120 Dry	55 40	Total count gamma 20
NP220 SRAT	4.5 50	5	230	Ox	450 Dry	50	Total count gamma 50
NP220 SRAT	5 30	5.5	200	Ox	130 Dry		Total count gamma 70
NP220 SRAT	5.5 40	6	210	Ox	200 Dry	50	Total count gamma 60
NP220 SRAT	6 50	6.5	240	Ox	180 Wet	55	Total count gamma 50
NP220 SRAT	6.5 50	7	320	Ox	130 Wet	55	Total count gamma 50
NP220 SRAT	7 30	7.5	280	Ox	110 Wet	50	Total count gamma 70
NP220 SRAT	7.5 35	8	180	Ox	120 Wet	60	Total count gamma 65
							Coarse sand; slight Carb

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NP220 SRAT	8	8.5	210		80	55	Total count gamma 80
	20			Ox	wet		slight Carb
NP220 SRAT	8.5	9.1	100		120	60	Total count gamma 60
	40			Ox	wet		2/3 Sand; 1/3 Red Clay (not sap)
NP221 SRAT	0	1	360		200	55	Total count gamma 100
				Ox	Dry		
NP221 SRAT	1	1.5	100		180	50	Total count gamma 100
				Ox	Dry		
NP221 SRAT	1.5	2	150		100	55	Total count gamma 100
				Ox	Dry		
NP221 SRAT	2	2.5	160		110	55	Total count gamma 100
				Ox	Dry		
NP221 SRAT	2.5	3	200		100	50	Total count gamma 100
				Ox	Dry		
NP221 SRAT	3	3.5	190		100	50	Total count gamma 100
				Ox	Dry		
NP221 SRAT	3.5	4	260		85		Total count gamma 100
				Ox	Dry		
NP221 SRAT	4	4.5	250		130	50	Total count gamma 40
	40			Ox	Dry	20	
NP221 SRAT	4.5	5	190		500		Total count gamma 50
	50	Y		Ox	Dry		2nd Uranium Trace; Damp
NP221 SRAT	5	5.5	200		250	55	Total count gamma 30
	60			Ox	Dry		Damp
NP221 SRAT	5.5	6	250		300	55	Total count gamma 30
	60			Ox	Dry		Damp
NP221 SRAT	6	6.5	190		360	60	Total count gamma 60
	40			Ox	Dry		
NP221 SRAT	6.5	7	250		300	60	Total count gamma 50
	50		Y	Ox	wet		Mod Carb GA 3
NP221 SRAT	7	7.5	280		310	60	Total count gamma 50
	50		Y	Ox	wet		Very Carb
NP221 SRAT	7.5	8	180		150	60	Total count gamma 70
	30		Y	Ox	wet		Mod. Carb

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NP221 SRAT	8 25	8.5	280		80	60	Total count gamma 75
				Ox	Wet		
NP221 SRAT	8.5 70	9	70		100		Total count gamma
				Ox	wet	90% Red Clay	
NP222 SRAT	0	1	400		70	55 100	Total count gamma
				Ox	Dry		
NP222 SRAT	1	1.5	180		70	55 100	Total count gamma
				Ox	Dry		
NP222 SRAT	1.5	2	160		70	55 100	Total count gamma
				Ox	Dry		
NP222 SRAT	2	2.5	120		100	60 100	Total count gamma
				Ox	Dry		
NP222 SRAT	2.5	3	160		100	60 100	Total count gamma
				Ox	Dry		
NP222 SRAT	3	3.5	270		100	60 100	Total count gamma
				Ox	Dry		
NP222 SRAT	3.5	4	250		110	60 100	Total count gamma
				Ox	Dry		
NP222 SRAT	4 20	4.5	230		100	60 30	Total count gamma 50
				Ox	Dry		
NP222 SRAT	4.5 30	5	270		170	60 5	Total count gamma 65
				Ox	Dry		
NP222 SRAT	5 30	5.5	190		250	60	Total count gamma 70
				Ox	Dry	Damp	
NP222 SRAT	5.5 30	6	210		290	60	Total count gamma 70
				Ox	Dry	Damp	
NP222 SRAT	6 35	6.5	240		600	70	Total count gamma 65
				Ox	wet	Slight Carb	
NP222 SRAT	6.5 30	7	260		270	60	Total count gamma 70
				Ox	wet	Slight Carb	
NP222 SRAT	7 30	7.5	190		170	60	Total count gamma 70
			Y	Re	wet	Very Carb	
NP222 SRAT	7.5 30	8	90		100	60	Total count gamma 70
				Ox	wet	Low Recy. Slight Carb	

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NP222 SRAT	8	8.5	320		90	60	Total count gamma 75
	25			Ox	wet	All sand	
NP222 SRAT	8.5	9.4			100	60	Total count gamma
	70			Ox	Dry	Dark Red Brown Clay	
NP223 SRAT	0	1	530		60	60	Total count gamma
				Ox	Dry	100	
NP223 SRAT	1	1.5	200		65	55	Total count gamma
				Ox	Dry	100	
NP223 SRAT	1.5	2	200		95	55	Total count gamma
				Ox	Dry	100	
NP223 SRAT	2	2.5	160		90	55	Total count gamma
				Ox	Dry	100	
NP223 SRAT	2.5	3	150		120	50	Total count gamma
				Ox	Dry	100	
NP223 SRAT	3	3.5	270		95	50	Total count gamma
				Ox	Dry	100	
NP223 SRAT	3.5	4	250		80	55	Total count gamma
	10			Ox	Dry	80	10
NP223 SRAT	4	4.5	280		200	60	Total count gamma
	60			Ox	Dry	25	15
NP223 SRAT	4.5	5	290		1400	60	Total count gamma
	60			Ox	Dry	15	25
							Trace 2nd Uranium
NP223 SRAT	5	5.5	240		650	60	Total count gamma
	40			Ox	Dry		60
NP223 SRAT	5.5	6	220		620	60	Total count gamma
	40			Ox	Dry		60
NP223 SRAT	6	6.5	290		380	60	Total count gamma
	30			Ox	Dry		70
							Very Damp
NP223 SRAT	6.5	7	140		130	60	Total count gamma
	15			Ox	wet		85
NP223 SRAT	7	7.5	160		200	60	Total count gamma
	50		Y	Re	wet		50
							Mod. Carb
NP223 SRAT	7.5	8	280		100	60	Total count gamma
	40			Ox	Damp		60
							slight Carb

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NP223 SRAT	8	8.5	180		90	60	Total count gamma 80
	20			Ox	wet	slight Carb	
NP223 SRAT	8.5	9.1	140		90		Total count gamma 20
	70			Ox	wet	3/5 Sed (Clay); 2/5 Pallid + Dk	
Red Brown Clay NP224 SRAT	0	1	450		70	50	Total count gamma 100
				Ox	Dry		
NP224 SRAT	1	1.5	120		90	50	Total count gamma 100
				Ox	Dry		
NP224 SRAT	1.5	2	160		100	55	Total count gamma 100
				Ox	Dry		
NP224 SRAT	2	2.5	150		100		Total count gamma 100
				Ox	Dry		
NP224 SRAT	2.5	3	140		90		Total count gamma 100
				Ox	Dry		
NP224 SRAT	3	3.5	360		80		Total count gamma 100
				Ox	Dry		
NP224 SRAT	3.5	4	270		65	50	Total count gamma 100
				Ox	Dry		
NP224 SRAT	4	4.5	250		80		Total count gamma 70
	70			Ox	Dry		
NP224 SRAT	4.5	5	310		500		Total count gamma 80
	80			Ox	Dry		
NP224 SRAT	5	5.5	280		550		Total count gamma 50
	50			Ox	Dry	Very Damp	
NP224 SRAT	5.5	6	210		600	50	Total count gamma 50
	50			Ox	wet		
NP224 SRAT	6	6.5	210		300	60	Total count gamma 60
	40			Ox	wet		
NP224 SRAT	6.5	7	360		240	60	Total count gamma 50
	50		Y	Re	wet	Very Carb	
NP224 SRAT	7	7.5	250		160	60	Total count gamma 40
	60			Ox	wet		
NP224 SRAT	7.5	8	130		110	60	Total count gamma 50
	50			Ox	wet	slight Carb	

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NP224 SRAT	8 50	8.5	350		100	Total count gamma 50
			Y	Re	Wet	Mod. Carb
NP224 SRAT	8.5 80	9.2	170		80	60 Total count gamma
				Ox	wet	1/3 Sed.; 2/3 Red Clay
NP225 SRAT	0 20	1	420		50	55 Total count gamma
				Ox	Dry	80
NP225 SRAT	1	1.5	290		45	50 Total count gamma
				Ox	Dry	100
NP225 SRAT	1.5	2	230		40	50 Total count gamma
				Ox	Dry	100
NP225 SRAT	2	2.5	250		55	100 Total count gamma
				Ox	Dry	
NP225 SRAT	2.5	3	220		70	100 Total count gamma
				Ox	Dry	
NP225 SRAT	3	3.5	280		70	55 Total count gamma
				Ox	Dry	100
NP225 SRAT	3.5	4	300		75	50 Total count gamma
				Ox	Dry	100
NP225 SRAT	4	4.5	400		250	100 Total count gamma
				Ox	Dry	
NP225 SRAT	4.5 50	5	190		700	40 Total count gamma
				Ox	Dry	
NP225 SRAT	5 60	5.5	340		1050	Total count gamma 20
				Ox	Dry	
NP225 SRAT	5.5 50	6	310		320	65 Total count gamma
				Ox	Dry	50
NP225 SRAT	6 60	6.5	240		180	70 Total count gamma
				Ox	Wet	40
NP225 SRAT	6.5 50	7	250		120	70 Total count gamma
				Ox	wet	50
						Slight Carb
NP225 SRAT	7 65	7.5	250		150	70 Total count gamma
				Ox	wet	35
NP225 SRAT	7.5 40	8	330		180	70 Total count gamma
				Ox	Wet	60

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NP225 SRAT	8 40	8.5	190		120 Ox Wet	70 60	Total count gamma
NP225 SRAT	8.5 70	9			Ox Wet		Total count gamma
NP226 SRAT	0 20	1	500		50 Ox Dry	55 80	All Dark Red Brown Clay (Not Total count gamma
NP226 SRAT	1	1.5	280		55 Ox Dry	100	Total count gamma
NP226 SRAT	1.5	2	220		55 Ox Dry	100	Total count gamma
NP226 SRAT	2	2.5	250		55 Ox Dry	100	Total count gamma
NP226 SRAT	2.5	3	370		50 Ox Dry	50 100	Total count gamma
NP226 SRAT	3	3.5	390		50 Ox Dry	50 100	Total count gamma
NP226 SRAT	3.55 10	4.05	400		55 Ox Dry	10 80	Total count gamma Silcrete 15%
NP226 SRAT	4 10	4.5	340		60 Ox Dry	55 90	Total count gamma Silcrete 15% Damp
NP226 SRAT	4.5 25	5	420		95 Ox Wet	50 75	Total count gamma Silcrete - Hard
NP226 SRAT	5 60	5.5 Y	320		950 Ox Wet	55 30	Total count gamma 2nd Uranium Trace
NP226 SRAT	5.5 50	6	70		200 Ox Wet	55 50	Total count gamma Low Recy.
NP226 SRAT	6 50	6.5	290		150 Ox Wet	55 50	Total count gamma
NP226 SRAT	6.5 40	7	300 Y	Re	100 Wet	50 60	Total count gamma Mod. Carb
NP226 SRAT	7 50	7.5	220		110 Ox Wet	50 50	Total count gamma Slight Carb
NP226 SRAT	7.5 35	8	370		95 Ox Wet		Total count gamma 65



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NP226 SRAT	8 30	8.5	270		100	50	Total count gamma 70
				Ox	Wet		
NP226 SRAT	8.5 70	9	250		100		Total count gamma 20
				Ox	wet	1/2 Sand; 1/2 Red Brown Clay	
NP227 SRAT	0 70	1	570		55	55	Total count gamma
				Ox	Dry		
NP227 SRAT	1	1.5	210		60	55 170	Total count gamma
				Ox	Dry		
NP227 SRAT	1.5	2	210		55		Total count gamma
				Ox	Dry	70	
NP227 SRAT	2	2.5	240		60	55 70	Total count gamma
				Ox	Dry		
NP227 SRAT	2.5	3	240		50		Total count gamma
				Ox	Dry	100	
NP227 SRAT	3 20	3.5	280		60		Total count gamma 10
				Ox	Dry	70	
NP227 SRAT	3.5 20	4	370		75	60 70	Total count gamma
				Ox	Dry		
NP227 SRAT	4 50	4.5	320		300		Total count gamma
				Ox	Dry	50	
NP227 SRAT	4.5 40	5	330		1700	60 40	Total count gamma 15
		Y		Ox	Dry	2nd Uranium - common	
NP227 SRAT	5 40	5.5	280		700	70	Total count gamma 60
				Ox	wet	Very Damp	
NP227 SRAT	5.5 50	6	130		770		Total count gamma 50
				Ox	wet		
NP227 SRAT	6 60	6.5	320		360	70	Total count gamma 30
				Ox	wet		
NP227 SRAT	6.5 40	7	200		570	70	Total count gamma 60
				Ox	wet		
NP227 SRAT	7 50	7.5	260		500		Total count gamma 50
		Y		Re	wet	Very Carb	
NP227 SRAT	7.5 50	8	220		300	75	Total count gamma 50
				Ox	wet		

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NP227 SRAT	8 60	8.5	220		200	75	Total count gamma 40
				Ox	Wet		
NP227 SRAT	8.5 70	9	270		150		Total count gamma
				Ox	Wet		All granitic clay - saprolite
NP228 SRAT	0 40	1	480		55	50 60	Total count gamma
				Ox	Dry		
NP228 SRAT	1	1.5	230		55	50 100	Total count gamma
				Ox	Dry		
NP228 SRAT	1.5	2	240		55	55 100	Total count gamma
				Ox	Dry		
NP228 SRAT	2	2.5	230		55	55 100	Total count gamma
				Ox	Dry		
NP228 SRAT	2.5	3	250		60	50 100	Total count gamma
				Ox	Dry		
NP228 SRAT	3	3.5	280		60	50 100	Total count gamma
				Ox	Dry		
NP228 SRAT	3.5 20	4	330		60	50 70	Total count gamma
				Ox	Dry		
NP228 SRAT	4 20	4.5	230		70		Total count gamma 80
				Ox	Dry		Sandstone 10%
NP228 SRAT	4.5 30	5	380		70	50	Total count gamma 70
				Ox	Dry		
NP228 SRAT	5 50	5.5	350		80	50	Total count gamma 50
				Ox	Wet		
NP228 SRAT	5.5 40	6	140		85	50	Total count gamma 60
				Ox	Wet		GA 3
NP228 SRAT	6 60	6.5	330		90	50	Total count gamma 30
				Ox	Damp		
NP228 SRAT	6.5 60	7	360		450	50	Total count gamma 30
				Ox	Damp		Slight Carb
NP228 SRAT	7 50	7.5	400		1000	55	Total count gamma 50
			Y	Re	Wet		Very Carb
NP228 SRAT	7.5 50	8.2	300		270	60	Total count gamma 50
				Ox	Wet		2/3 sed; 1/3 Granitic saprolite

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NP229 SRAT	0 40	1	530		130	50 80	Total count gamma
				Ox	Dry		
NP229 SRAT	1	1.5	230		120	50 100	Total count gamma
				Ox	Dry		
NP229 SRAT	1.5	2	240		100	50 100	Total count gamma
				Ox	Dry		
NP229 SRAT	2	2.5	140		100	55 100	Total count gamma
				Ox	Dry		
NP229 SRAT	2.5 20	3	250		85	50 80	Total count gamma
				Ox	Dry		
NP229 SRAT	3 20	3.5	320		85	60 80	Total count gamma
				Ox	Dry		
NP229 SRAT	3.5 30	4	320		90	60 10	Total count gamma 60
				Ox	Dry	Silcrete 20%; Damp	
NP229 SRAT	4 40	4.5	180		95	60 10	Total count gamma 50
				Ox	Dry	Silcrete 10%; Damp	
NP229 SRAT	4.5 40	5	290		180	60	Total count gamma 60
				Ox	Dry	Damp	
NP229 SRAT	5 35	5.5	340		200	60	Total count gamma 65
				Ox	Wet	Damp	
NP229 SRAT	5.5 50	6	320		130	60	Total count gamma 50
				Ox	Wet	Damp	
NP229 SRAT	6 60	6.5	270		100	60	Total count gamma 40
				Ox	Wet		
NP229 SRAT	6.5 60	7	340		160	60	Total count gamma 40
				Ox	Wet	Slight Carb	
NP229 SRAT	7 60	7.5	290		130	60	Total count gamma 40
			Y	Re	Wet	Carbon	
NP229 SRAT	7.5 50	8.1	250		100	60	Total count gamma 50
				Ox	Wet	4/5 Sand; 1/5 Purple Brown; Clay	
Sap NP230 SRAT	0 30	1	410		50	60 60	Total count gamma
				Ox	Dry		
NP230 SRAT	1	1.5	260		55	100	Total count gamma
				Ox	Dry		

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NP230 SRAT	1.5	2	180	60	60	Total count gamma
				ox	Dry	100
NP230 SRAT	2	2.5	270	100	100	Total count gamma
				ox	Dry	
NP230 SRAT	2.5	3	250	110	60	Total count gamma
				ox	Dry	100
NP230 SRAT	3	3.5	270	90	30	Total count gamma
	40			ox	Dry	30
NP230 SRAT	3.5	4	320	100	65	Total count gamma
	40			ox	Dry	20
NP230 SRAT	4	4.5	240	120	10	Total count gamma
	60			ox	Dry	30
NP230 SRAT	4.5	5	330	300	60	Total count gamma
	60			ox	Dry	40
NP230 SRAT	5	5.5	260	500		Total count gamma
	50			ox	Dry	50
NP230 SRAT	5.5	6	290	750	60	Total count gamma
	35			ox	Dry	65
NP230 SRAT	6	6.5	240	580	70	Total count gamma
	30			ox	wet	70
NP230 SRAT	6.5	7	280	850	70	Total count gamma
	30			ox	wet	70
NP230 SRAT	7	7.5	180	180	70	Total count gamma
	30			ox	wet	70
NP230 SRAT	7.5	8	200	110	65	Total count gamma
	30			ox	wet	70
NP230 SRAT	8	8.6	140	120	60	Total count gamma
	70			ox	wet	All Granitic Saprolite Purple
Brown NP231 SRAT	0	1	460	60	50	Total count gamma
	20			ox	Dry	80
NP231 SRAT	1	1.5	160	55	55	Total count gamma
				ox	Dry	100
NP231 SRAT	1.5	2	210	60	55	Total count gamma
				ox	Dry	100

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NP231 SRAT	2	2.5	190		75	55 100	Total count gamma
				Ox	Dry		
NP231 SRAT	2.5	3	220		75	55 100	Total count gamma
				Ox	Dry		
NP231 SRAT	3	3.5	290		65	55 80	Total count gamma 15
	10			Ox	Dry	20% silcrete	
NP231 SRAT	3.5	4	340		65	60 40	Total count gamma 35
	20			Ox	Dry	20% silcrete	
NP231 SRAT	4	4.5	370		65	60 40	Total count gamma 35
	20			Ox	Dry	20% silcrete; Damp	
NP231 SRAT	4.5	5	440		200		Total count gamma 55
	35			Ox	Dry	10% silcrete; Damp	
NP231 SRAT	5	5.5	290		250	60	Total count gamma 55
	40			Ox	Dry	5% silcrete; Damp	
NP231 SRAT	5.5	6	290		220		Total count gamma 50
	50			Ox	Dry	5% silcrete; Damp	
NP231 SRAT	6	6.5	320		290	60	Total count gamma 55
	45			Ox	Dry		
NP231 SRAT	6.5	7	240		640		Total count gamma 60
	40			Ox	wet	slight Carb	
NP231 SRAT	7	7.5	220		300	55	Total count gamma 50
	50			Ox	wet	slight Carb	
NP231 SRAT	7.5	8	170		110		Total count gamma 30
	60			Ox	wet		
NP231 SRAT	8	9.1	340		120	60 70	Total count gamma
				Ox	wet	Micaceous Clay (Some Pink Brown)	
NP232 SRAT	0	1	400		50	55	Total count gamma
				Ox	Dry		
NP232 SRAT	1	1.5	110		55	55 100	Total count gamma
				Ox	Dry		
NP232 SRAT	1.5	2	180		55	55 100	Total count gamma
				Ox	Dry		
NP232 SRAT	2	2.5	100		70	55 100	Total count gamma
				Ox	Dry		

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NP232 SRAT	2.5	3	270		70		Total count gamma
				Ox	Dry	100	
NP232 SRAT	3	3.5	280		65	55	Total count gamma
	10			Ox	Dry	50	40
NP232 SRAT	3.5	4	380		70	55	Total count gamma
	10			Ox	Dry	50	40
NP232 SRAT	4	4.5	110		100		Total count gamma
				Ox	Dry		Silcrete; Very Hard Slow
Grinding. Hole abandoned NP233 SRAT	0	1	430		50	50	Total count gamma
				Ox	Dry	100	
NP233 SRAT	1	1.5	190		60		Total count gamma
				Ox	Dry	100	
NP233 SRAT	1.5	2	200			50	Total count gamma
				Ox	Dry	100	
NP233 SRAT	2	2.5	180		70		Total count gamma
				Ox	Dry	100	
NP233 SRAT	2.5	3	230		65	50	Total count gamma
				Ox	Dry	100	Sandstone 10%
NP233 SRAT	3	3.5	340		70	60	Total count gamma
	20			Ox	Dry	50	20
							Sandstone 10%
NP233 SRAT	3.5	4	320		70	55	Total count gamma
	20			Ox	Dry	50	30
							Damp
NP233 SRAT	4	4.5	270		80		Total count gamma
	15			Ox	Dry	5	80
							Sandstone 25% Damp
NP233 SRAT	4.5	5	230		400		Total count gamma
		Y		Ox	Dry	100	100
							Sandstone 20%; 2nd Uranium Trace
NP233 SRAT	5	5.5	280		1050	60	Total count gamma
				Ox	Wet		100
NP233 SRAT	5.5	6	220		500		Total count gamma
	15			Ox	Wet		85
NP233 SRAT	6	6.5	290		300	60	Total count gamma
	30			Ox	Wet		70
NP233 SRAT	6.5	7	60		1100	60	Total count gamma
	40			Ox	Wet		60
							Low Recy

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NP233 SRAT	7 35	7.5	220		350		Total count gamma 65
				Ox	Wet		
NP233 SRAT	7.5 60	8	190		180	60	Total count gamma 40
				Ox	wet		Trace basement clay
NP234 SRAT	0 80	1	450		65	60 20	Total count gamma
				Ox	Dry		
NP234 SRAT	1	1.5	140		60		Total count gamma
				Ox	Dry	60	
NP234 SRAT	1.5	2	150		80	60 100	Total count gamma
				Ox	Dry		
NP234 SRAT	2	2.5	140		70	60 100	Total count gamma
				Ox	Dry		
NP234 SRAT	2.5 20	3	170		85	60 80	Total count gamma
				Ox	Dry		
NP234 SRAT	3 30	3.5	170		80		Total count gamma
				Ox	Dry	70	
NP234 SRAT	3.5 40	4	290		100		Total count gamma
				Ox	Dry	60	
NP234 SRAT	4 60	4.5	220		400	60 40	Total count gamma
				Ox	Dry		
NP234 SRAT	4.5 40	5	200		500		Total count gamma
				Ox	Dry		
NP234 SRAT	5 30	5.5	320		600		Total count gamma 70
				Ox	Dry		
NP234 SRAT	5.5 15	6	300		300	70	Total count gamma 85
				Ox	wet		
NP234 SRAT	6 25	6.5	250		190	70	Total count gamma 75
				Ox	wet		
NP234 SRAT	6.5 10	7	160		180	70	Total count gamma 90
				Ox	wet		
NP234 SRAT	7 30	7.5	190		300	70	Total count gamma 70
				Ox	wet		
NP234 SRAT	7.5 70	8	180		120		Total count gamma 20
				Ox	wet		1/5 Sand; 4/5 Pink Brown Sap

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NP235 SRAT	0 20	1	360		95	65 80	Total count gamma
				Ox	Dry		
NP235 SRAT	1	1.5	180		95	65 100	Total count gamma
				Ox	Dry		
NP235 SRAT	1.5	2	170		95	65 100	Total count gamma
				Ox	Dry		
NP235 SRAT	2	2.5	140		95	65 100	Total count gamma
				Ox	Dry		
NP235 SRAT	2.5	3	220		85	65 100	Total count gamma
				Ox	Dry		
NP235 SRAT	3	3.5	220		85	65 20	Total count gamma 80
				Ox	Dry		
NP235 SRAT	3.5	4	250		2000	80 20	Total count gamma 60
	20	Y		Ox	Dry	2nd uranium on calcrete	
NP235 SRAT	4	4.5	270		1800	100 20	Total count gamma 60
	20	Y		Ox	Dry		
NP235 SRAT	4.5	5	260		2000	100	Total count gamma 80
	20	Y		Ox	Dry	2nd uranium abundant	
NP235 SRAT	5	5.5	250		3500	100	Total count gamma 75
	25			Ox	Wet		
NP235 SRAT	5.5	6	140		950	120	Total count gamma 75
	25			Ox	Wet		
NP235 SRAT	6	6.5	220		380	120 45	Total count gamma
	55			Ox	Wet		
NP235 SRAT	6.5	7	250		250	110	Total count gamma 60
	40			Ox	Wet		
NP235 SRAT	7	7.5	140		500	100	Total count gamma 50
	50			Ox	Wet		
NP235 SRAT	7.5	8	270		200	100	Total count gamma 20
	70			Ox	Wet	1/2 Orange Green Grey Sediment;	
NP236 SRAT	0 20	1	410		65	55 85	Total count gamma
				Ox	Dry		
NP236 SRAT	1	1.5	180		60	100	Total count gamma
				Ox	Dry		



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NP236 SRAT	1.5	2	190	80	55	Total count gamma
				100		
				Ox	Dry	
NP236 SRAT	2	2.5	-140	75	100	Total count gamma
				Ox	Dry	
NP236 SRAT	2.5	3	120	75	60	Total count gamma
				Ox	100	
				Dry		
NP236 SRAT	3	3.5	270	70	40	Total count gamma
	10			Ox	50	
				Dry		
NP236 SRAT	3.5	4	170	95	60	Total count gamma
	20			Ox	20	60
				Dry		
NP236 SRAT	4	4.5	230	520	10	Total count gamma
	20			Ox	70	
				Dry		
NP236 SRAT	4.5	5	250	250	60	Total count gamma
	10			Ox	Damp	90
				Dry		
NP236 SRAT	5	5.5	260	150		Total count gamma
	10			Ox	90	
				Wet		
NP236 SRAT	5.5	6	340	190	60	Total count gamma
	20			Ox	80	
				Wet		
NP236 SRAT	6	6.5	210	300	60	Total count gamma
	50			Ox	50	
				Wet		
NP236 SRAT	6.5	7	260	500	55	Total count gamma
	45			Ox	55	
				Wet		
NP236 SRAT	7	7.5	180	570	60	Total count gamma
	50			Ox	50	
				Wet		
NP236 SRAT	7.5	8	50	90	60	Total count gamma
	40			Ox	60	
				Wet		Low Recy: All Red Brown Clay
NP236 SRAT	8	8.5				Total count gamma
	70			Ox		
				Wet		All red brown clay
NP237 SRAT	0	1	400	60	55	Total count gamma
	20			Ox	80	
				Dry		
NP237 SRAT	1	1.5	270	55	100	Total count gamma
				Ox		
				Dry		
NP237 SRAT	1.5	2	240	55	5	Total count gamma
				Ox	100	
				Dry		

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NP237 SRAT	2	2.5	100		55	55 100	Total count gamma
				Ox	Dry		
NP237 SRAT	2.5	3	190		50	100	Total count gamma
				Ox	Dry		
NP237 SRAT	3	3.5	280		65	55 80	Total count gamma
	10			Ox	Dry	10	
NP237 SRAT	3.5	4	330		95	15	Total count gamma
	25			Ox	Dry	60	
NP237 SRAT	4	4.5	250		90	60	Total count gamma
	15			Ox	Dry	85	
						10% Sandstone	
NP237 SRAT	4.5	5	210		120		Total count gamma
	10			Ox	Dry	90	
NP237 SRAT	5	5.5	180		1000	60	Total count gamma
	10			Ox	Dry	90	
NP237 SRAT	5.5	6	230		1100		Total count gamma
	10	Y		Ox	wet	2nd Uranium	
NP237 SRAT	6	6.5	150		460	60	Total count gamma
	25			Ox	wet	75	
NP237 SRAT	6.5	7	210		170	60	Total count gamma
	25			Ox	wet	75	
NP237 SRAT	7	7.5	150		150	60	Total count gamma
	40			Ox	wet	60	
NP237 SRAT	7.5	8	230		250	60	Total count gamma
	40			Ox	wet	60	
NP237 SRAT	8	8.4	260		130	60	Total count gamma
	70			Ox	wet	10	
						10% Sand; 90% Red Brown Clay	
NP238 SRAT	0 80	1	500		55	55 20	Total count gamma
				Ox	Dry		
NP238 SRAT	1	1.5	170		60	70	Total count gamma
				Ox	Dry		
NP238 SRAT	1.5	2	200		70	55 80	Total count gamma
				Ox	Dry		
NP238 SRAT	2	2.5	250		70	55 80	Total count gamma
				Ox	Dry		

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NP238 SRAT	2.5	3	270		70	55 90	Total count gamma
				Ox	Dry		Silcrete common
NP238 SRAT	3	3.5	270		70	55 60	Total count gamma
	10			Ox	Dry		Silcrete common
NP238 SRAT	3.5	4	430		75		Total count gamma
				Ox	Dry	30	70
NP238 SRAT	4	4.5	470		80	55	Total count gamma
				Ox	Dry		100
							Sandstone 10%
NP238 SRAT	4.5	5	230		85	60	Total count gamma
				Ox	Dry		100
							Sandstone 10% Damp
NP238 SRAT	5	5.5	300		340		Total count gamma
				Ox	Dry		100
							Sandstone 10% Damp
NP238 SRAT	5.5	6	190		350	60	Total count gamma
	35			Ox	Wet		65
NP238 SRAT	6	6.5	310		210	60	Total count gamma
	40			Ox	Wet		60
NP238 SRAT	6.5	7	280		400	60	Total count gamma
	35			Ox	Wet		65
NP238 SRAT	7	7.5	310		300	55	Total count gamma
	35			Ox	Wet		65
							Sub-Vertical Brown Mottling
NP238 SRAT	7.5	8	270		180	60	Total count gamma
	60			Ox	Wet		40
							Sub-Vertical Brown Mottling
NP238 SRAT	8	8.5			100	55	Total count gamma
	70			Ox	Dry		90% Red Brown Clay
NP239 SRAT	0	1	500		60	55	Total count gamma
	10			Ox	Dry	70	"Calcrete/Silcrete + Sand, Clay"
	15						
NP239 SRAT	1	1.5	190		70	55	Total count gamma
	15			Ox	Dry	70	"Calcrete/Silcrete + Sand, Clay"
NP239 SRAT	1.5	2	200		70	55	Total count gamma
	15			Ox	Dry	70	"Calcrete/Silcrete + Sand, Clay"
NP239 SRAT	2	2.5	180		75	60	Total count gamma
	15			Ox	Dry	60	15
							"Calcrete/Silcrete + Sand, Clay"
NP239 SRAT	2.5	3	230		70	60	Total count gamma
	15			Ox	Dry	60	15
							"Calcrete/Silcrete + Sand, Clay"

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NP239 SRAT	3	3.5	310		80	60	Total count gamma
	15			Ox	Dry	60	15
						"Calcrete/Silcrete + Sand, clay"	
NP239 SRAT	3.5	4	350		85	60	Total count gamma
	20			Ox	Dry	20	60
NP239 SRAT	4	4.5	310		80		Total count gamma
	10			Ox	Dry		90
						Damp Sand	
NP239 SRAT	4.5	5	210		100	60	Total count gamma
	10			Ox	Wet		90
NP239 SRAT	5	5.5	250		80	60	Total count gamma
	20			Ox	Wet		80
NP239 SRAT	5.5	6	230		70		Total count gamma
	35			Ox	Wet		65
NP239 SRAT	6	6.5	300		180	60	Total count gamma
	40			Ox	Wet		60
NP239 SRAT	6.5	7	310		110	60	Total count gamma
	35			Ox	Wet		65
NP239 SRAT	7	7.5	150		140	60	Total count gamma
	40			Ox	Wet		60
NP239 SRAT	7.5	8	290		150	60	Total count gamma
	50			Ox	Wet		50
NP239 SRAT	8	8.5	250		90	60	Total count gamma
	70			Ox	Wet		10
Mottled Clay Red Brown						1/5 Coarse Sand; 4/5 Pallid -	
NP240 SRAT	0	1	500		50	50	Total count gamma
	70			Ox	Dry	30	
NP240 SRAT	1	1.5	160		55	50	Total count gamma
	20			Ox	Dry	70	10
NP240 SRAT	1.5	2	250		55	50	Total count gamma
	20			Ox	Dry	70	10
NP240 SRAT	2	2.5	270		60	50	Total count gamma
	10			Ox	Dry	90	
NP240 SRAT	2.5	3	290		60	50	Total count gamma
				Ox	Dry	80	
NP240 SRAT	3	3.5	300		65	55	Total count gamma
				Ox	Dry	100	
						Silcrete 30%	

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NP240 SRAT	3.5	4	280		70	55	Total count gamma
	10			ox	Dry	15	70
						Silcrete	30%
NP240 SRAT	4	4.5	270		80	55	Total count gamma
	10			ox	Dry	90	
						"Sandstone 20%, Damp Sand"	
NP240 SRAT	4.5	5	240		100	55	Total count gamma
	20			ox	Dry	80	
NP240 SRAT	5	5.5	350		150	55	Total count gamma
	45			ox	Wet	55	
NP240 SRAT	5.5	6	290		760	70	Total count gamma
	40			ox	Wet	60	
NP240 SRAT	6	6.5	280		2000	60	Total count gamma
	45			ox	Wet	55	
NP240 SRAT	6.5	7	220		750	60	Total count gamma
	40			ox	Wet	60	
NP240 SRAT	7	7.5	280		210	60	Total count gamma
	50			ox	Wet	50	
NP240 SRAT	7.5	8	290		180		Total count gamma
				ox	Wet	4/5 Sand; 1/5 red clay	
NP241 SRAT	0	1	430		50	50	Total count gamma
	50			ox	Dry	50	
						Nodular Calcrete	
NP241 SRAT	1	1.5	200		50	50	Total count gamma
				ox	Dry	100	
						Powdery Calcrete	
NP241 SRAT	1.5	2	190		60	55	Total count gamma
				ox	Dry	100	
						Powdery Calcrete	
NP241 SRAT	2	2.5	220		55	55	Total count gamma
				ox	Dry	100	
						Powdery Calcrete	
NP241 SRAT	2.5	3	220		55	55	Total count gamma
				ox	Dry	100	
NP241 SRAT	3	3.5	330		60	55	Total count gamma
				ox	Dry	100	
NP241 SRAT	3.5	4	310		95	55	Total count gamma
				ox	Dry	100	
						Silcrete 10%	
NP241 SRAT	4	4.5	400		95		Total count gamma
	30			ox	Dry	70	
						sandstone 20%	

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NP241 SRAT	4.5	5	400		90	55	Total count gamma 70
	30			Ox	Dry		Sandstone 30%; Very Damp
NP241 SRAT	5	5.5	280		380	55	Total count gamma 70
	30			Ox	wet		Sandstone 25%
NP241 SRAT	5.5	6	160		3500	60	Total count gamma 75
	25	Y		Ox	wet		2nd Uranium abundant
NP241 SRAT	6	6.5	350		650	60	Total count gamma 65
	35			Ox	wet		
NP241 SRAT	6.5	7	270		600	60	Total count gamma 50
	50			Ox	wet		
NP241 SRAT	7	7.5	250		350	60	Total count gamma 50
	50			Ox	wet		
NP241 SRAT	7.5	8	390		280	60	Total count gamma 30
	70			Ox	wet		
NP241 SRAT	8	8.5	370		240	60	Total count gamma
	70			Ox	wet		1/2 Sediment; 1/2 Pallid Clay
NP242 SRAT	0	1	370		60	55	Total count gamma
	60			Ox	Dry	40	
NP242 SRAT	1	1.5	100		55	50	Total count gamma
	30			Ox	Dry	60	Indurated Calcareous Rubble
NP242 SRAT	1.5	2	100		55	50	Total count gamma
	30			Ox	Dry	60	Indurated Calcareous Rubble
NP242 SRAT	2	2.5	170		60	50	Total count gamma
	10			Ox	Dry	80	Indurated Calcareous Rubble
NP242 SRAT	2.5	3	230		65	55	Total count gamma
				Ox	Dry	80	
NP242 SRAT	3	3.5	240		65	55	Total count gamma
				Ox	Dry	80	20 Sandstone 20%
NP242 SRAT	3.5	4	210		150	55	Total count gamma
	40			Ox	Dry	60	
NP242 SRAT	4.5	5	190		900	60	Total count gamma
	60			Ox	wet	40	Sandstone 20%
NP242 SRAT	5	6	230		1150	60	Total count gamma
	20			Ox	wet	80	Sandstone 10%

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NP242 SRAT	5.5	6	220		720	60	Total count gamma 80
	20			Ox	Wet		Sandstone 10%
NP242 SRAT	6	7	250		700	60	Total count gamma 80
	20			Ox	Wet		GA 3
NP242 SRAT	6.5	7	170		500	60	Total count gamma 80
	20			Ox	Wet		
NP242 SRAT	7	8	150		500	60	Total count gamma 60
	40			Ox	Wet		
NP242 SRAT	7.5	8	250		200	60	Total count gamma 40
	60			Ox	Wet		
NP242 SRAT	8	8.6	190		140	60	Total count gamma
	70			Ox	Wet		
NP243 SRAT	0	1	340		50	55	Total count gamma
				Ox	Dry	100	
NP243 SRAT	1	1.5	200		50	50	Total count gamma
				Ox	Dry	100	
NP243 SRAT	1.5	2	190		50	50	Total count gamma
				Ox	Dry	100	
NP243 SRAT	2	2.5	110		50	50	Total count gamma
				Ox	Dry	100	
NP243 SRAT	2.5	3	220		60	50	Total count gamma
				Ox	Dry	100	
NP243 SRAT	3	3.5	360		60	55	Total count gamma
				Ox	Dry	30	70 Sandstone 20%
NP243 SRAT	3.5	4	240		85	55	Total count gamma
	20			Ox	Dry		80 Sandstone 20%
NP243 SRAT	4	4.5	150		1250	50	Total count gamma
	40			Ox	Dry		60
NP243 SRAT	4.5	5	230		3050	100	Total count gamma
	35	Y		Ox	Dry		65 2nd Uranium - abundant
NP243 SRAT	5	5.5	300		1900	90	Total count gamma
	25	Y		Ox	Dry		75 Very Damp
NP243 SRAT	5.5	6	160		330	90	Total count gamma
	20			Ox	Wet		80

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NP243 SRAT	6	6.5	50		200	80	Total count gamma 90
	10			Ox	Wet		Very Low Recy.
NP243 SRAT	6.5	7	190		180	90	Total count gamma 85
	15			Ox	Wet		
NP243 SRAT	7	7.5	140		150	80	Total count gamma 70
	30			Ox	Wet		
NP243 SRAT	7.5	8	180		400	90	Total count gamma 30
	60			Ox	Wet		
NP243 SRAT	8	8.4	190		200	90	Total count gamma
	70			Ox	Wet		10% Sand; 90% Red Brown Clay
NP244 SRAT	0	1	420		60	55 100	Total count gamma
				Ox	Dry		
NP244 SRAT	1	1.5	140		100	60 100	Total count gamma
				Ox	Dry		
NP244 SRAT	1.5	2	140		100	60 100	Total count gamma
				Ox	Dry		
NP244 SRAT	2	2.5	180		85	60 100	Total count gamma
				Ox	Dry		
NP244 SRAT	2.5	3	140		75	60 100	Total count gamma
				Ox	Dry		
NP244 SRAT	3	3.5	260		80	60 100	Total count gamma
				Ox	Dry		
NP244 SRAT	3.5	4	340		80	55 60	Total count gamma 30
	10			Ox	Dry		
NP244 SRAT	4	4.5	310		130	60 60	Total count gamma
	40			Ox	Dry		
NP244 SRAT	4.5	5	200		150	60	Total count gamma 40
	60			Ox	Dry		
NP244 SRAT	5	5.5	180		100	60	Total count gamma 85
	15			Ox	Wet		VC. Gr.
NP244 SRAT	5.5	6	110		90	60	Total count gamma 85
	15			Ox	Wet		VC. Gr. Sand
NP244 SRAT	6	6.5	210		100	60	Total count gamma 75
	25			Ox	Wet		VC. Gr. Sand



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NP244 SRAT	6.5	7	170		170	60	Total count gamma
	30			ox	wet	"VC, Gr."	70
NP244 SRAT	7	7.5	120		200	60	Total count gamma
	50			ox	wet		50
NP244 SRAT	7.5	8	210		200	55	Total count gamma
	50			ox	wet		50
NP244 SRAT	8	8.5	250		100	55	Total count gamma
	70			ox	wet	4/5 Clay-Sand; 1/5 Mottled Clay	10
NP245 SRAT	0	1	460		70	50	Total count gamma
				ox	Dry	100	
NP245 SRAT	1	1.5	150		60	50	Total count gamma
				ox	Dry	100	
NP245 SRAT	1.5	2	160		55	50	Total count gamma
				ox	Dry	100	
NP245 SRAT	2	2.5	170		70		Total count gamma
				ox	Dry	100	
NP245 SRAT	2.5	3	210		85	50	Total count gamma
				ox	Dry	100	
NP245 SRAT	3	3.5	140		150	50	Total count gamma
	30			ox	Dry	10	60
NP245 SRAT	3.5	4	390		380	50	Total count gamma
	35			ox	Dry	Damp	65
NP245 SRAT	4	4.5	180		440	50	Total count gamma
	35			ox	Dry		65
NP245 SRAT	4.5	5	210		200	50	Total count gamma
	45			ox	wet		55
NP245 SRAT	5	5.5	240		210	50	Total count gamma
	40			ox	wet		60
NP245 SRAT	5.5	6	190		90	50	Total count gamma
	60			ox	wet		30
NP245 SRAT	6	6.5	220		80	50	Total count gamma
	60			ox	wet		30
NP245 SRAT	6.5	7	190		80	50	Total count gamma
	50			ox	wet	90% Sed; 10% Red Brown Clay	50

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NP246 SRAT	0	1	420	Ox	100 Dry	60 100	Total count gamma
NP246 SRAT	1	1.5	170	Ox	110 Dry	60 100	Total count gamma
NP246 SRAT	1.5	2	120	Ox	100 Dry	60 100	Total count gamma
NP246 SRAT	2	2.5	120	Ox	90 Dry	60 100	Total count gamma
NP246 SRAT	2.5	3	160	Ox	75 Dry	60 100	Total count gamma
NP246 SRAT	3	3.5	160	Ox	75 Dry	100	Total count gamma
NP246 SRAT	3.5	4	230	Ox	70 Dry	50 80	Total count gamma 10
NP246 SRAT	4	4.5	230	Ox	70 Dry	60 30% Rock	Total count gamma 30
NP246 SRAT	4.5	5	160	Ox	100 Dry	50	Total count gamma 90
NP246 SRAT	5	5.5	180	Ox	250 Dry	20% Sandstone	Total count gamma 100
NP246 SRAT	5.5	6	240	Ox	400 Dry	60	Total count gamma 85
NP246 SRAT	6	6.5	230	Ox	680 Wet	70	Total count gamma 80
NP246 SRAT	6.5	7	130	Ox	600 Wet	60	Total count gamma 90
NP246 SRAT	7	7.5	230	Ox	200 Wet	70	Total count gamma 75
NP246 SRAT	7.5	8	160	Ox	190 Wet	70	Total count gamma 30
NP246 SRAT	8	8.5	170	Ox	150 Wet	70	Total count gamma 30
Base NP247 SRAT	0	1	490	Ox	55 Dry	50 100	Trace Pink Brown Clay Sap At Total count gamma

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NP247 SRAT	1	1.5	260		75	50 100	Total count gamma
				Ox	Dry		
NP247 SRAT	1.5	2	150		100	50 100	Total count gamma
				Ox	Dry		
NP247 SRAT	2	2.5	200		80	50 100	Total count gamma
				Ox	Dry		
NP247 SRAT	2.5	3	190		80	50 100	Total count gamma
				Ox	Dry		
NP247 SRAT	3	3.5	290		90	20	Total count gamma 60
	20			Ox	Dry		
NP247 SRAT	3.5	4	250		95		Total count gamma 70
	20			Ox	Dry		
NP247 SRAT	4	4.5	190		180	60	Total count gamma 75
	25			Ox	Dry		
NP247 SRAT	4.5	5	320		480		Total count gamma 70
	30			Ox	Dry		
NP247 SRAT	5	5.5	210		250	60	Total count gamma 50
	50			Ox	Dry	Very Damp	
NP247 SRAT	5.5	6	410		400	60	Total count gamma 60
	40			Ox	Dry	Very Damp	
NP247 SRAT	6	6.5	210		270	60	Total count gamma 60
	40			Ox	Wet		
NP247 SRAT	6.5	7	120		170	60	Total count gamma 20
	70			Ox	Wet		
NP247 SRAT	7	7.5	110		100	60	Total count gamma
	80			Ox	Wet		
NP247 SRAT	7.5	8	320		110	60	Total count gamma 30
	70			Ox	Wet	40% sand; 60% pink brown	
NP248 SRAT	0	1	510		65	55 70	Total count gamma
	30			Ox	Dry	RB 5	
NP248 SRAT	1	1.5	250		70	100	Total count gamma
				Ox	Dry		
NP248 SRAT	1.5	2	130		80	55 100	Total count gamma
				Ox	Dry		

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NP248 SRAT	2	2.5	290	130	100	Total count gamma
			Ox	Dry		
NP248 SRAT	2.5	3	260	110	50 100	Total count gamma
			Ox	Dry		
NP248 SRAT	3	3.5	230	100		Total count gamma 80
	20		Ox	Dry		
NP248 SRAT	3.5	4	250	150		Total count gamma 85
	15		Ox	Dry		
NP248 SRAT	4	4.5	310	120	50	Total count gamma 80
	20		Ox	Dry		
NP248 SRAT	4.5	5	240	270		Total count gamma 80
	20		Ox	Dry		
NP248 SRAT	5	5.5	360	160	50	Total count gamma 90
	10		Ox	Dry		
NP248 SRAT	5.5	6	280	110	55	Total count gamma 80
	20		Ox	Wet		
NP248 SRAT	6	6.5	340	370	60	Total count gamma 70
	30		Ox	Wet		
NP248 SRAT	6.5	7	310	500	60	Total count gamma 60
	40		Ox	Wet	Orange Brown Sand	
NP248 SRAT	7	7.5	190	130	60	Total count gamma 40
	60		Ox	Wet		
NP248 SRAT	7.5	8	220	100	55	Total count gamma
	70		Ox	Wet	3/5 Clay Sed.; 2/5	
NP249 SRAT	0	1	430	240	55 100	Total count gamma
			Ox	Dry		
NP249 SRAT	1	1.5	260	170	100	Total count gamma
			Ox	Dry		
NP249 SRAT	1.5	2	160	130	55 100	Total count gamma
			Ox	Dry		
NP249 SRAT	2	2.5	220	140	60 100	Total count gamma
			Ox	Dry		
NP249 SRAT	2.5	3	260110	60	100	Total count gamma
			Ox	Dry		

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NP249 SRAT	3	3.5	270	100	80	Total count gamma 20
			Ox	Dry		
NP249 SRAT	3.5	4	320	80	60	Total count gamma 50
	20		Ox	Dry	20	
NP249 SRAT	4	4.5	220	80		Total count gamma 100
			Ox	Dry		
NP249 SRAT	4.5	5	290	1000	60	Total count gamma 70
	30		Ox	Dry		
NP249 SRAT	5	5.5	300	800		Total count gamma 70
	30		Ox	Dry		
NP249 SRAT	5.5	6	360	350	60	Total count gamma 70
	30		Ox	Dry		
NP249 SRAT	6	6.5	320	200		Total count gamma 60
	40		Ox	Dry		
NP249 SRAT	6.5	7	260	300	65	Total count gamma 40
	60		Ox	wet	Slight Carb	
NP249 SRAT	7	7.5	340	400	65	Total count gamma 60
	40		Ox	wet	Slight Carb	
NP249 SRAT	7.5	8	210	200	60	Total count gamma 50
	50		Ox	wet		
NP249 SRAT	8	8.5	310	180	60	Total count gamma
			Ox	wet	"1/5 Clay Sed.; 4/5 Micaceous	
Green Brown Red.; Saprolite, granitic"						
NP250 SRAT	0	1	440	50	55	Total count gamma 100
			Ox	Dry	100	
NP250 SRAT	1	1.5	230	55		Total count gamma 100
			Ox	Dry		
NP250 SRAT	1.5	2	260	60	55	Total count gamma 100
			Ox	Dry	100	
NP250 SRAT	2	2.5	210	65		Total count gamma 100
			Ox	Dry		
NP250 SRAT	2.5	3	180	80	55	Total count gamma 100
			Ox	Dry	100	
NP250 SRAT	3	3.5	210	75		Total count gamma 30
			Ox	Dry	170	Sandstone 20%

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NP250 SRAT	3.5	4	320	70	55	Total count gamma
				70	30	
			Ox	Dry		Sandstone 15%
NP250 SRAT	4	4.5	300	80	70	Total count gamma
	20		Ox	Dry	10	""Sandy"" Calcrete"
NP250 SRAT	4.5	5	250	80	50	Total count gamma
	40		Ox	Dry	10	
NP250 SRAT	5	5.5	330	200	60	Total count gamma
	40		Ox	Dry	60	
NP250 SRAT	5.5	6	250	550	60	Total count gamma
	50		Ox	Wet	50	
NP250 SRAT	6	6.5	270	160	50	Total count gamma
	50		Ox	Wet	50	
NP250 SRAT	6.5	7	370	100	50	Total count gamma
	30		Ox	Wet	70	
NP250 SRAT	7	7.5	210	300	50	Total count gamma
	50		Ox	Wet	50	Slight Carb
NP250 SRAT	7.5	8	140	80	50	Total count gamma
	30		Ox	Wet	70	VC Sand
NP250 SRAT	8	8.5	220	120	50	Total count gamma
	70		Ox	Wet		90% Clay Sap
NP251 SRAT	0	1	470	50	55	Total count gamma
			Ox	Dry	100	
NP251 SRAT	1	1.5	250	50		Total count gamma
			Ox	Dry	100	
NP251 SRAT	1.5	2	200	60	55	Total count gamma
			Ox	Dry	100	
NP251 SRAT	2	2.5	260	60		Total count gamma
			Ox	Dry	100	
NP251 SRAT	2.5	3	180	70	50	Total count gamma
			Ox	Dry	100	
NP251 SRAT	3	3.5	260	70	90	Total count gamma
			Ox	Dry	10	Sandstone 10%
NP251 SRAT	3.5	4	270	90	55	Total count gamma
			Ox	Dry	50	50

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NP251 SRAT	4	4.5	320		160		Total count gamma 100
				Ox	Dry		Sandstone 10%
NP251 SRAT	4.5	5	280		500		Total count gamma 90
	10			Ox	Dry		
NP251 SRAT	5	5.5	260		2100	60	Total count gamma 65
	30	Y		Ox	Dry		2nd Uranium - common
NP251 SRAT	5.5	6	270		600		Total count gamma 60
	40			Ox	Wet		
NP251 SRAT	6	6.5	170		380	70	Total count gamma 60
	40			Ox	Wet		
NP251 SRAT	6.5	7	340		160	70	Total count gamma 50
	50			Ox	Wet		
NP251 SRAT	7	7.5	100		160		Total count gamma 70
	30		Y	Re	Wet		Mod. Carb
NP251 SRAT	7.5	8	130		110	65	Total count gamma 70
	30			Ox	Wet		
NP251 SRAT	8	8.5	220		160	60	Total count gamma 10
	70			Ox	Wet		10% Sandy; 90% Dark Pink Brown
Granitic Clay Saprolite							
NP252 SRAT	0	1	4700		50	55	Total count gamma 100
				Ox	Dry		
NP252 SRAT	1	1.5	160		50	55	Total count gamma 100
				Ox	Dry		
NP252 SRAT	1.5	2	120		60	55	Total count gamma 100
				Ox	Dry		
NP252 SRAT	2	2.5	220		60	55	Total count gamma 100
				Ox	Dry		
NP252 SRAT	2.5	3	240		60	55	Total count gamma 100
				Ox	Dry		
NP252 SRAT	3	3.5	230		70	55	Total count gamma 40
				Ox	Dry		
NP252 SRAT	3.5	4	280		80	55	Total count gamma 100
				Ox	Dry		Clean Qz Sand
NP252 SRAT	4	4.5	240		250	60	Total count gamma 85
	15			Ox	Dry		

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NP252 SRAT	4.5	5	280		1100		Total count gamma 60
	40	Y		Ox	Dry	2nd Uranium Minor	
NP252 SRAT	5	5.5	2800		670	55	Total count gamma 75
	25			Ox	Dry		
NP252 SRAT	5.5	6	290		1050	60	Total count gamma 30
	60			Ox	Dry	Very Damp	
NP252 SRAT	6	6.5	160		700		Total count gamma 50
	50			Ox	Dry	Very Damp	
NP252 SRAT	6.5	7	210		330	65	Total count gamma 50
	50		Y	Re	Wet	Mod. Carb	
NP252 SRAT	7	7.5	310		200	65	Total count gamma 30
	60			Ox	Wet		
NP252 SRAT	7.5	8.2	330		350	65	Total count gamma 60
	40			Ox	Wet	70% Sand; 30% Pallid-white	
Granite-Saprolite Trace Yellow							
NP253 SRAT	0	1	350		120	55	Total count gamma 100
				Ox	Dry		
NP253 SRAT	1	1.5	190		100	50	Total count gamma 100
				Ox	Dry		
NP253 SRAT	1.5	2	180		100	55	Total count gamma 100
				Ox	Dry		
NP253 SRAT	2	2.5	160		100	55	Total count gamma 100
				Ox	Dry		
NP253 SRAT	2.5	3	230		90	55	Total count gamma 100
				Ox	Dry		
NP253 SRAT	3	3.5	270		90	50	Total count gamma 70
				Ox	Dry		
NP253 SRAT	3.5	4	180		70	55	Total count gamma 85
	15			Ox	Dry		
NP253 SRAT	4	4.5	210		200		Total count gamma 80
	20			Ox	Dry	Grinding On Silcrete	
NP253 SRAT	4.5	5	210		180	55	Total count gamma 50
	50			Ox	Dry	20% Silcrete (Pink Grey)	
NP253 SRAT	5	5.5	310		240	55	Total count gamma 30
	60			Ox	Wet		



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NP253 SRAT	5.5 70	6	130		100 Ox Wet	55	Total count gamma 20
NP253 SRAT	6 60	6.5	240		100 Ox Wet	60	Total count gamma 30
NP253 SRAT	6.5 40	7	100		1400 Y Re Wet	50	Total count gamma 60 Patchy Carbon
NP253 SRAT	7 40	7.5	110		100 Ox Wet	55	Total count gamma 60
NP253 SRAT	7.5 40	8	170		500 Ox Wet	55	Total count gamma 60
NP253 SRAT	8	8.5					Total count gamma
Saprolite NP254 SRAT	0	1	370		Ox Dry	Very Low Recy. Micaceous Granite	
					50 Ox Dry	50 100	Total count gamma
NP254 SRAT	1	1.5	130		55 Ox Dry	55 100	Total count gamma
NP254 SRAT	1.5	2	160		50 Ox Dry	50 100	Total count gamma
NP254 SRAT	2	2.5	190		65 Ox Dry	55 100	Total count gamma
NP254 SRAT	2.5	3	170		60 Ox Dry	55 100	Total count gamma
NP254 SRAT	3	3.5	220		60 Ox Dry	55 50	Total count gamma 50
NP254 SRAT	3.5 10	4	250		65 Ox Dry		Total count gamma 90
NP254 SRAT	4 10	4.5	160		65 Ox Dry	50	Total count gamma 90
NP254 SRAT	4.5 60	5	360		180 Ox Dry		Total count gamma 30 Grinding Silcrete (Pink Grey)
NP254 SRAT	5 40	5.5	220		120 Ox Dry	55	Total count gamma 60
NP254 SRAT	5.5 50	6	150		100 Ox Wet	55	Total count gamma 50

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NP254 SRAT	6	6.5	140		65	55	Total count gamma 40
	60			Ox	Wet		
NP254 SRAT	6.5	7	100		70	55	Total count gamma 80
	20			Ox	Damp	Slight Carb	
NP254 SRAT	7	7.5	110		70	50	Total count gamma 65
	35			Ox	Wet		
NP254 SRAT	7.5	8	70		900		Total count gamma 75
	25			Ox	Wet	Low Recy.	
NP254 SRAT	8	8.5	60		50	50	Total count gamma 80
	20			Ox	Damp	Low (60%) Recy. Clay	
NP255 SRAT	0	1	350		60	50	Total count gamma 70
				Ox	Dry		
NP255 SRAT	1	1.5	130		50	50	Total count gamma 100
				Ox	Dry		
NP255 SRAT	1.5	2	200		50	50	Total count gamma 100
				Ox	Dry		
NP255 SRAT	2	2.5	180		55	50	Total count gamma 100
				Ox	Dry		
NP255 SRAT	2.5	3	270		55	50	Total count gamma 100
				Ox	Dry		
NP255 SRAT	3	3.5	420		65	50	Total count gamma 100
				Ox	Dry		
NP255 SRAT	3.5	4	290		65	50	Total count gamma 20
	20			Ox	Dry		
NP255 SRAT	4	4.5	310		60	55	Total count gamma 90
				Ox	Dry		
NP255 SRAT	4.5	5	500		65	55	Total count gamma 80
	15			Ox	Wet	Hard Rock; Silcrete	GA
NP255 SRAT	5	5.5	350		65	55	Total count gamma 60
	40			Ox	Wet		
NP255 SRAT	5.5	6	240		60	55	Total count gamma 60
	40			Ox	Wet		
NP255 SRAT	6	6.5	270		65	55	Total count gamma 50
	50			Ox	Wet	Slight Carb	

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NP255 SRAT	6.5	7	300		85	55	Total count gamma 40
	60			Ox	Wet		
NP255 SRAT	7	7.5	300		95	55	Total count gamma 30
	60			Ox	Wet	Slight Carb	
NP255 SRAT	7.5	8	360		75	50	Total count gamma
				Ox	Wet		
NP255 SRAT	8	8.5	180		65	50	Total count gamma
				Ox	Wet	Sediment only sampled/ weighed;	
2/3 Sed.; 1/3 Red Clay NP256 SRAT	0	1	520		55	55 100	Total count gamma
				Ox	Dry		
NP256 SRAT	1	1.5	500		60	50 100	Total count gamma
				Ox	Dry		
NP256 SRAT	1.5	2	300		60	50 100	Total count gamma
				Ox	Dry		
NP256 SRAT	2	2.5	310		75	50 100	Total count gamma
				Ox	Dry		
NP256 SRAT	2.5	3	330		80	50 100	Total count gamma
				Ox	Dry		
NP256 SRAT	3	3.5	370		75	50 100	Total count gamma
				Ox	Dry		
NP256 SRAT	3.5	4	360		80	55 50	Total count gamma 50
				Ox	Dry		
NP256 SRAT	4	4.5	240		400	55 10	Total count gamma 70
	20			Ox	Dry		
NP256 SRAT	4.5	5	260		850	60	Total count gamma 50
	50			Ox	Dry		
NP256 SRAT	5	5.5	380		460	60	Total count gamma 40
	60			Ox	Dry		
NP256 SRAT	5.5	6	330		220	60	Total count gamma 70
	30			Ox	Dry		
NP256 SRAT	6	6.5	410		110	60	Total count gamma 30
	60			Ox	Dry		
NP256 SRAT	6.5	7	340		90	50	Total count gamma 75
	25			Ox	Wet		

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NP256 SRAT	7	7.5	220		100	55	Total count gamma 30
	60			Ox	wet		Slight Carb
NP256 SRAT	7.5	8	210		220	60	Total count gamma 50
	50			Ox	wet		Slight Carb
NP256 SRAT	8	8.5	240		100	50	Total count gamma 60
	40			Ox	wet		VC Granule Sand
NP256 SRAT	8.5	9	260		180		Total count gamma 5
	70			Ox	wet		90% Dark Red Brown Clay
NP257 SRAT	0	1	550		80	55	Total count gamma 100
				Ox	Dry		
NP257 SRAT	1	1.5	320		75		Total count gamma 100
				Ox	Dry		
NP257 SRAT	1.5	2	310		110	50	Total count gamma 100
				Ox	Dry		
NP257 SRAT	2	2.5	230		110	50	Total count gamma 100
				Ox	Dry		
NP257 SRAT	2.5	3	340		100	50	Total count gamma 100
				Ox	Dry		
NP257 SRAT	3	3.5	370		90		Total count gamma 100
				Ox	Dry		
NP257 SRAT	3.5	4	280		90		Total count gamma 30
	20			Ox	Dry	50	
NP257 SRAT	4	4.5	250		200	50	Total count gamma 60
	20			Ox	Dry	20	
NP257 SRAT	4.5	5	480		270		Total count gamma 50
	50	Y		Ox	Dry		2nd Uranium Trace
NP257 SRAT	5	5.5	300		300		Total count gamma 70
	30			Ox	Dry		
NP257 SRAT	5.5	6	330		380	50	Total count gamma 70
	30			Ox	Dry		
NP257 SRAT	6	6.5	410		330		Total count gamma 60
	40			Ox	Dry		
NP257 SRAT	6.5	7	260		200	50	Total count gamma 70
	30			Ox	wet		

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NP257 SRAT	7 40	7.5	290		150	55	Total count gamma 60
				Ox	Wet		
NP257 SRAT	7.5 40	8	210		150	50	Total count gamma 60
			Y	Re	wet	Very	Carbon
NP257 SRAT	8 40	8.5	290		90	50	Total count gamma 60
				Ox	wet	slilght	Carbon
NP257 SRAT	8.5 70	9.2	350		100	50	Total count gamma
				Ox	wet	2/5 Sed; 3/5	Red Brown Clay
NP258 SRAT	0	1	510		95	75 100	Total count gamma
				Ox	Dry		
NP258 SRAT	1	1.5	440		140	75 100	Total count gamma
				Ox	Dry		
NP258 SRAT	1.5	2	270		110	75 100	Total count gamma
				Ox	Dry		
NP258 SRAT	2	2.5	230		120	75 100	Total count gamma
				Ox	Dry		
NP258 SRAT	2.5	3	260		120	75 100	Total count gamma
				Ox	Dry		
NP258 SRAT	3	3.5	300		110	75 100	Total count gamma
				Ox	Dry		
NP258 SRAT	3.5	4	330		100	75 100	Total count gamma
				Ox	Dry		
NP258 SRAT	4	4.5	420		100	75 100	Total count gamma
				Ox	Dry		
NP258 SRAT	4.5 30	5	420		100	20	Total count gamma 50
				Ox	Dry		
NP258 SRAT	5 30	5.5	200		100		Total count gamma 70
				Ox	Dry		
NP258 SRAT	5.5 35	6	250		220	75	Total count gamma 65
				Ox	Dry		
NP258 SRAT	6 40	6.5	450		200		Total count gamma 60
				Ox	Dry	Very	Damp
NP258 SRAT	6.5 50	7	260		120	75	Total count gamma 50
				Ox	wet	slight	Carb

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NP258 SRAT	7 60	7.5	260		120	75	Total count gamma 40
				Ox	wet	Mod. Carb	
NP258 SRAT	7.5 60	8	160		100	75	Total count gamma 40
				Ox	wet	Slight Carb	
NP258 SRAT	8 50	8.5	200		90	80	Total count gamma
			Y	Ox	wet	Mod. Carb	
NP258 SRAT	8.5 25	9	270		90	80	Total count gamma 75
			Y	Ox	wet		
NP259 SRAT	0 20	1	520		50	50 80	Total count gamma
				Ox	Dry		
NP259 SRAT	1	1.5	350		50	50 100	Total count gamma
				Ox	Dry		
NP259 SRAT	1.5	2	210		50		Total count gamma
				Ox	Dry	100	
NP259 SRAT	2	2.5	210		60	50 100	Total count gamma
				Ox	Dry		
NP259 SRAT	2.5	3	260		60		Total count gamma
				Ox	Dry	100	
NP259 SRAT	3 20	3.5	280		60	55 60	Total count gamma 20
				Ox	Dry		
NP259 SRAT	3.5	4	320		60		Total count gamma
				Ox	Dry	20	80
NP259 SRAT	4	4.5	230		75		Total count gamma
				Ox	Dry		100
NP259 SRAT	4.5 25	5	310		95	55	Total count gamma 75
				Ox	Dry		
NP259 SRAT	5 30	5.5	320		200		Total count gamma 70
				Ox	Dry		
NP259 SRAT	5.5 40	6	380		320		Total count gamma 60
				Ox	Dry		
NP259 SRAT	6 40	6.5	330		600	60	Total count gamma 60
				Ox	Dry	Very Damp	
NP259 SRAT	6.5 25	7	400		300	50	Total count gamma 75
				Ox	wet	Slight Carb	

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NP259 SRAT	7	7.5	140		200		Total count gamma 30
	60			Ox	wet	slight Carb	
NP259 SRAT	7.5	8	180		500	50	Total count gamma 50
	50			Ox	wet	slight Carb	
NP259 SRAT	8	8.5	250		120		Total count gamma 70
	30		Y	Re	wet	Mod. Carb	
NP259 SRAT	8.5	9.3	410		120		Total count gamma
	70			Ox	wet	All Granite Saprolite	
NP260 SRAT	0	1	510			55	Total count gamma
	3			Ox	Dry	70	
NP260 SRAT	1	1.5	310			55	Total count gamma
				Ox	Dry	100	
NP260 SRAT	1.5	2	310		100	55	Total count gamma
				Ox	Dry	100	
NP260 SRAT	2	2.5	220		110		Total count gamma
				Ox	Dry	100	
NP260 SRAT	2.5	3	250		90	50	Total count gamma
				Ox	Dry	100	
NP260 SRAT	3	3.5	250		75	55	Total count gamma
				Ox	Dry	100	
NP260 SRAT	3.5	4	360		80		Total count gamma 70
	30			Ox	Dry		
NP260 SRAT	4	4.5	290		370		Total count gamma 70
	30			Ox	Dry		
NP260 SRAT	4.5	5	410		760	60	Total count gamma 70
	30	Y		Ox	Dry	2nd Uranium trace	
NP260 SRAT	5	5.5	320		1100		Total count gamma
	65			Ox	Dry	35	
NP260 SRAT	5.5	6	430		520		Total count gamma 60
	40			Ox	Dry		
NP260 SRAT	6	6.5	350		570	80	Total count gamma 50
	50			Ox	Dry	slight Carbon; Very Damp	
NP260 SRAT	6.5	7	280		940	80	Total count gamma 60
	40			Ox	wet		

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NP260 SRAT	7 35	7.5	340		360 Ox Wet	80 65	Total count gamma
NP260 SRAT	7.5 40	8	140		400 Ox Wet	80 low Recy.	Total count gamma
NP260 SRAT	8 70	8.5	350		180 Ox Wet		Total count gamma
Granitic Sprolrite							1/5 Clay Sed.; 4/5 Purple Grey
NP261 SRAT	0 20	1	460		60 Ox Dry	55 80	Total count gamma
NP261 SRAT	1	1.5	320		65 Ox Dry	50 Sandy	Total count gamma
NP261 SRAT	1.5	2	210		65 Ox Dry	55 40 Occ silcrete	Total count gamma
NP261 SRAT	2	2.5	280		65 Ox Dry	40 60	Total count gamma
NP261 SRAT	2.5	3	210		75 Ox Dry	55 40 60	Total count gamma
NP261 SRAT	3 15	3.5	280		150 Ox Dry	50 85	Total count gamma
NP261 SRAT	3.5 20	4 Y	300		680 Ox Dry	70 85 2nd Uranium trace	Total count gamma
NP261 SRAT	4 50	4.5 Y	410		4000 Ox Dry	15 30 "2nd Uranium Abundant, Damp"	Total count gamma
NP261 SRAT	4.5 60	5 Y	280		1600 Ox Wet	60 20 2nd Uranium common	Total count gamma
NP261 SRAT	5 50	5.5 Y	300		650 Ox Wet	50 2nd Uranium common	Total count gamma
NP261 SRAT	5.5 45	6 Y	290		1050 Ox Wet	70 55 2nd Uranium trace	Total count gamma
NP261 SRAT	6 50	6.5	250		770 Ox Wet	80 50 Slight carb	Total count gamma
NP261 SRAT	6.5 40	7	290		520 Ox Wet	100 60 Slight carb	Total count gamma
NP261 SRAT	7 60	7.5	370		650 Re Wet	100 40 very carb	Total count gamma



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NP261 SRAT	7.5 70	8	110		220	95	Total count gamma
				Ox	wet		Lateritic Paleosol
NP262 SRAT	0 30	1	490		100	70 70	Total count gamma
				Ox	Dry		Silty Sandy
NP262 SRAT	1	1.5	290		120	70	Total count gamma
				Ox	Dry		Calcareous
NP262 SRAT	1.5	2	220		75	55 70	Total count gamma
				Ox	Dry		Calcareous
NP262 SRAT	2	2.5	260		75	70	Total count gamma
				Ox	Dry		Calcareous
NP262 SRAT	2.5	3	270		159	79 80	Total count gamma
				Ox	Dry		Calcareous
NP262 SRAT	3	3.5	400		110		Total count gamma
				Ox	Dry		100
NP262 SRAT	3.5 10	4	420		320	70	Total count gamma
				Ox	Dry		90
NP262 SRAT	4 15	4.5 Y	330		2600	90	Total count gamma
				Ox	wet		85 Abundant 2nd Uranium in
NP262 SRAT	4.5 35	5 Y	490		3200	90	Total count gamma
				Ox	wet		65 Abundant 2nd Uranium in sand
NP262 SRAT	5 60	5.5	480		1200	70	Total count gamma
			Y	Re	wet		40 2nd Uranium minor; mod. carb
NP262 SRAT	5.5 70	6	389		1050	90	Total count gamma
				Ox	wet		20
NP262 SRAT	6 60	6.5	400		950	100	Total count gamma
				Ox	wet		40
NP262 SRAT	6.5 50	7	250		700	100	Total count gamma
				Ox	wet		50
NP262 SRAT	7	8	330		320	90	Total count gamma
				Ox	wet		1/2 Clay Sed; 1/2 Red Brown Clay