

Sprogge Project: DDH Lithology Sheet

DDH_ID	From	To	Level	Code	Modifier	Colour	Quartz	Feldspar	Lithic	Notes
SP0001	0	3	0	OVb						Casing overburden
SP0001	3	29.3	0	ARGL	Fb	BL GY				a well banded medium blue grey argillite non fissile in core on surface is fissile and called shale. 1 - 6+cm beds of dark blue argillite noncalcareous. At approx 24m the beds begin to become sandier (up to 5% sand frags contact appears to be interfingers over a 10 cm thickness; a very minor # of <1mm pyrite cubes noted
SP0001	29.3	52.5	0	SNDS	M	WT GY	1	0	0	a whitish grey sandstone, massive, fragments 70-90% rounded clear to cloudy quartz, 10% well rounded argillically altered feldspar frags, first metre has up to 30% lithic (argillite frags) in some cases stretched, all fragments .1 to 2mm in size with a few 4mm, overall well sorted a few minor argillite beds at start of section
SP0001	30.5	31.5	1	ARGL	Sd Fb	WT GY BL				sandy FeOx banded argillite band max 10 cm true thickness
SP0001	34.6	35.7	1	ARGL	Fb	BL GY				banded lght drk blue grey argillite
SP0001	40.6	42.2	1	ARGL	Fb	BL GY				banded/bedded (1 cm avg bed thickness) lght drk blue argillite
SP0001	52.5	57.8	0	SNDS	M	OL GR			1	a sandstone at start of section is a lght olive green bleached argillite grading through to fine grained sandstone distinguishing item are stretched & flattened argillite blebs (up to 1 cm thick [avg 2-3mm] by up to 5 cm [avg 1-2 cm] long orientated along foliation they comprise up to 5% of sandstone
SP0001	57.8	107.1	0	SNDS	Mg M	WT TN	1	0	0	med grained sandstone as per 29.3-52.5 initial portion shows some contortion & brecciated
SP0001	57.8	58	1	ARGL		BL GY				thin argillite band
SP0001	60.1	60.5	1	ARGL		BL GY				thin argillite band partly contorted
SP0001	66.1	69.9	1	ARGL		BL GY				thin (<5cm?) band of argillite running sub// to core axis @71.8 another small sliver of argillite
SP0001	98.2	98.7	1	ARGL		BL GY				argillite band

SP0001	98.7	99.8	1	SNDS		WT TN			0	sandstone/stretched argillite blebs up to 0.5cm X 4 cm orientated along fol? Up to 5% of content decreasing down section
SP0001	107.1	172.6	0	ARGL	Fb	BL GY				varialby banded light to dark blue grey argillite, bands/beds avg 1 cm thick up to 10-15cm, some sandier beds which generally show a brownish colour
SP0001	118.7	119.1	1	SNDS		WT TN				sandstone unit
SP0001	126.6	127.3	1	SNDS	Fb	WT TN				sandstone band / interbedded argillite, contorted at start / qtz vns
SP0001	172.6	187.5	0	SNDS	Mg	WT TN				med grained sandstone bedding poorly defined qtz feldspar matrix strong fracturing throughout core partially healed by silica, argillite/siltstone beds 3-30 cm thick ~ 4m apart
SP0001	182.4	183.4	1	SLTS		BF GY				buff grey siltstone bed with brecciated qtz vn healed by hematite alterered sand matrix.
SP0001	185.9	187.1	1	ARGL	Sd	BL GY				sandy argillite bed 30cm true thickness
SP0002	0	3.05	0	OVB						
SP0002	3.05	31.06	0	SNDS	Mb Mg Gu	GY	5	2		95% med grained sandstone 5% interbedded siltstone & argillite; Arg/silt bds generally <15cm thick, red brown (hem) to orange brown (FeOx) partially colouration is due to weathering, sandstone matrix 40% grey qtz & 50% cloudy to pale greenish white feldspar (sericite alt); <10% grey to white qtz Fs clasts; 1-3mm in size, pervasive fracturing is strongly oxidized.
SP0002	11.12	11.79	1	SLTS	Fb Gu	GY				
SP0002	15	25	1	SNDS	Mg Vg	GY	5	2	0	
SP0002	31.06	47	0	ARGL	Fb Sh Gu	DK GY				
SP0002	47	65.1	0	SLTS	Fb St C	GY				
SP0002	65.1	88.7	0	SLTS	Mb Sh Gu	DK GY				
SP0002	66	66.4	1	SNDS	Cg	WT	5			
SP0002	84.3	84.4	1	ARGL						
SP0002	87.6	88.45	1	ARGL	Fb St					
SP0002	88.7	106.8	0	ARGL	Mb St	DK GY				
SP0002	99	106.8	1	ARGL	Mb					
SP0002	106.8	112.1	0	SLTS	Fb Sh Sd Gu	DK GY				
SP0002	112.1	132.4	0	ARGL	Fb St	BK				
SP0002	132.4	168	0	PCGM	M Cg	GY	3	4	0	