

Depth (m)	%	Lithology	Remarks
8	100	<i>Sandstone: 60% Dark yellowish orange, 40% pale yellowish brown, colourless quartz grains, fine to medium grained, rare medium to coarse grains, sub-rounded to rounded grains, moderately well sorted, moderately hard, silica cemented aggregates dominate with minor Fe oxide cement and grain coatings visible, <5% friable quartz grains. Nil visible porosity. Trace moderate brown to yellowish brown varicoloured/layered sandstone aggregates with 20-30% Fe oxide and 10-20% clay matrix, silica cemented, moderately hard to hard, nil visible porosity.</i>	<i>Bottom of Mousehole.</i>
15 (spot)	100	<i>Sandstone: very pale orange grading to greyish orange, occasionally moderate orange pink with patchy Fe staining, predominantly friable to moderately hard, 5% unconsolidated, fine to medium, sub-rounded to rounded, spherical, well sorted, strong siliceous cement, 10-20% argillaceous matrix, poor visible porosity, no fluorescence.</i>	24" Hole to 23.5 m. 20" Conductor set at 23.5 m.
25	98	<i>Sandstone: Very pale orange to pinkish grey, colourless and clear quartz grains, trace reddish Fe oxide staining, predominantly 3-8 mm aggregates with 5-10% friable medium quartz grains, sub-rounded to rounded, moderately well sorted, traces white kaolinitic matrix, poor visual porosity. No fluorescence.</i>	17 ½" Hole 1st full sample (bagged)
	2	<i>Cement contamination – hard blocky cement cuttings.</i>	
40	100	<i>Sandstone: very pale orange, greyish orange, predominantly transparent quartz grains, trace Fe stained quartz, moderately hard sub-blocky cuttings to 8 mm, very fine to fine, rare medium, rounded, spherical, well sorted, 5 – 15% argillaceous matrix, poor visible porosity, no fluorescence.</i>	
55	100	<i>Sandstone: as above, sub-blocky to sub-platy cuttings to 20 mm, no fluorescence.</i>	
70	100	<i>Sandstone: greyish orange aggregates, transparent quartz grains, occasionally translucent, moderately hard aggregates to 10 mm, predominantly very fine to fine, minor medium, rounded to sub-rounded, spherical, moderately to well sorted, siliceous cement, trace to 15% kaolin matrix, poor to fair visible porosity, no fluorescence.</i>	
85	100	<i>Sandstone: greyish orange to moderate yellowish brown, transparent to translucent quartz grains, moderately hard aggregates 6 to 15 mm, very fine to medium grained, rounded to sub-rounded, spherical, moderately to well sorted, strong siliceous cement, 5 to 15% kaolinitic matrix, poor visible porosity, no fluorescence.</i>	
100	100	<i>Sandstone: greyish orange to moderate yellowish brown, transparent quartz grains, rare frosted quartz, trace reddish brown/orange Fe oxide surface staining, 10% silica cemented aggregates with 90% friable quartz grains, fine to medium grained, sub-angular to dominantly sub-rounded and trace rounded, well sorted, trace to 3% white kaolinitic matrix, poor to fair inferred porosity, no fluorescence.</i>	
115	100	<i>Sandstone: light brown to greyish orange, colourless quartz, translucent to minor frosted grains, 80% firm silica cemented</i>	<i>Noted colour change</i>

Depth (m)	%	Lithology	Remarks
		<i>aggregates, 20% friable to loose quartz, fine to medium grained, sub-angular to sub-rounded, well sorted, 2-3% white kaolinitic matrix, trace black sub-vitreous to dull striated carboniferous material, non-calcareous, poor to fair inferred porosity, no fluorescence.</i>	
130	100	<i>Sandstone: as above, no fluorescence.</i>	
145	100	<i>Sandstone: light brown to greyish orange, colourless quartz, translucent to minor frosted grains, 80% firm silica cemented aggregates, 20% friable to loose quartz, fine to medium grained, sub-angular to sub-rounded, well sorted, 2-3% white intergranular kaolinitic matrix, trace moderate red/orange dispersed clays, non-calcareous, poor to fair inferred porosity, no fluorescence.</i>	<i>Appearance of dispersive red/orange clay in sample</i>
160	100	<i>Sandstone: light brown, dark yellowish orange, translucent to transparent quartz grains, 80 friable to moderately hard aggregates, 20% unconsolidated, very fine to fine, rare medium, rounded to sub-rounded, spherical, well sorted, siliceous cement, trace to 5% kaolinite matrix, poor visible porosity, no fluorescence. Estimated 5-10% of sample moderate reddish orange sticky and dispersive clay – washes out of sample.</i>	
175	20	<i>Sandstone: a/a, no fluorescence.</i>	
	80	<i>Siltstone: greyish red purple, moderate reddish brown, pale brown, rare dusky yellow, hard, sub-blocky to sub-platy, minor laminations, arenaceous, common embedded very fine to medium quartz grains, grading to silty Sandstone, trace dark specks.</i>	
190	70	<i>Sandstone: light brown, dusky orange, translucent, transparent, 90% moderate hard to hard, aggregates, 10% unconsolidated, very fine to medium, rounded to sub-rounded, spherical, well sorted, siliceous cement, 5-10% kaolinitic matrix, poor visible porosity, no fluorescence.</i>	
	30	<i>Siltstone: greyish red purple, moderate reddish brown, pale brown, hard, sub-blocky to sub-platy, rare laminations, arenaceous, common embedded very fine to medium quartz grains, grading to silty Sandstone in part, trace dark specks.</i>	
200	60	<i>Sandstone: light brown, dusky orange, translucent, transparent, 90% moderate hard to hard, aggregates, 10% unconsolidated, dominantly very fine grained, rounded to sub-rounded, spherical, well sorted, siliceous cement, trace intergranular kaolinitic matrix, nil visible porosity, no fluorescence.</i>	<i>Spot sample – poor ROP</i>
	40	<i>Siltstone: greyish red purple, moderate reddish brown, pale brown, trace pale green, hard, sub-blocky to sub-platy, rare laminations, 5-10% arenaceous, common embedded very fine to medium quartz grains, grading to silty Sandstone in part, micro-micaceous, trace carbonaceous lithic grains.</i>	
205	70	<i>Sandstone: moderate reddish brown to moderate orange pink to greyish orange, translucent to clear quartz grains, trace pale green (silty sandstone), 90% moderate hard to hard, aggregates, 10% unconsolidated, dominantly very fine to fine grained, subangular to sub-rounded, sub-spherical, well</i>	<i>Noted Siltstone and Sandstone here is Calcareous –</i>

Depth (m)	%	Lithology	Remarks
		<i>sorted, hard siliceous cement, also minor calcareous cement, trace intergranular kaolinitic matrix, nil visible porosity, no fluorescence.</i>	<i>check symbols on log !!!!</i>
	30	<i>Siltstone: moderate red to dusky red, moderate reddish brown, hard, sub-blocky to sub-platy, rare laminations, 10% arenaceous, common embedded very fine to medium quartz grains, grading to silty Sandstone in part, moderately calcareous, micro-micaceous, trace carbonaceous lithic grains.</i>	
220	70	<i>Sandstone: As above</i>	
	30	<i>Siltstone : As above</i>	
235	90	<i>Sandstone: light to moderate red, predominantly translucent, frosted quartz grains, with 20% friable aggregates, 80% unconsolidated, fine to medium, rounded to sub-rounded, spherical, weak siliceous cement, rare authigenic quartz / overgrowths, nil to trace kaolinitic matrix, non-calcareous, rare Fe stained quartz, good visible porosity, no fluorescence.</i>	<i>Losses from 225 metres. Increasing to ~280 bbl/hr at 229m</i>
	10	<i>Siltstone : As above</i>	
250	100	<i>Sandstone: pale yellowish brown, traces dusky yellow, colourless, translucent and occasional frosted quartz, 80% moderately hard silica cemented aggregates, 20% friable quartz, very fine to medium, rounded to sub-rounded, spherical, poor to moderate sorting, nil to trace kaolinitic matrix, non-calcareous, rare Fe stained quartz, very poor visual porosity. 5% bit generated white silica rock flour. No fluorescence</i>	
265	100	<i>Sandstone: pale yellowish brown, traces dusky yellow, minor very dark red tinges, colourless, translucent and occasional frosted quartz, 70% moderately hard silica cemented aggregates, 30% friable quartz, very fine to medium, rounded to sub-rounded, spherical, poor to moderate sorting, nil to trace kaolinitic matrix, non-calcareous, rare Fe stained quartz, very poor visual porosity. 5% bit generated white silica rock flour. No fluorescence</i>	
280	100	<i>Sandstone: pale yellowish brown, minor pale red to moderate red, colourless, translucent and occasionally frosted quartz, 70% friable to moderate hard aggregates, 30% unconsolidated, very fine to medium, rounded to sub-rounded, spherical, poor to moderate sorted, nil to trace kaolinitic matrix, non-calcareous, trace Fe stained quartz, fair visible porosity, trace bit generated silica rock flour. No fluorescence.</i>	
295		<i>As above</i>	
309	100	<i>Sandstone: pale yellowish brown, trace dusky yellow, 5% pale to moderate red, colourless, translucent and minor frosted quartz grains, 80% moderate hard silica cemented aggregates, 20% friable quartz grains, aggregates are very fine to fine with trace fine to medium grains, friable material is very fine to medium, sub-angular to dominantly sub-rounded, spherical, moderate sorting, nil to trace intergranular kaolinitic matrix, non-calcareous, trace Fe stained quartz, poor visual porosity, trace bit generated silica rock flour. No fluorescence.</i>	<i>17 ½" hole TD at 309 m at 11:25 hrs on 28-05-18</i>
310	98	<i>Sandstone: pale yellowish brown, trace pale reddish brown, moderate hard, 5% unconsolidated, very fine to fine, rare</i>	

Depth (m)	%	Lithology	Remarks
		<i>medium, rounded to sub-angular, spherical, moderate sorted, siliceous cement, common authigenic quartz/overgrowths, nil to trace kaolinitic matrix, trace dark lithics, very poor visible porosity, no fluorescence.</i>	
	2	<i>Cement: medium grey, moderate hard, blocky.</i>	
325	100	<i>Sandstone: predominantly pale yellowish brown, trace pale reddish brown, moderate hard, 30% unconsolidated, very fine to medium, rounded to sub-angular, spherical, moderate sorted, siliceous cement, common authigenic quartz/overgrowths, nil matrix, trace dark lithics/specks, very poor visible porosity, no fluorescence.</i>	
	Trace	<i>Cement: as above.</i>	
340	100	<i>Sandstone: predominantly pale yellowish brown, trace pale reddish brown, translucent, rare frosted grains, trace Fe stained grains, moderate hard, 10% unconsolidated, fine to medium, rare coarse, rounded to sub-rounded, spherical, moderate sorted, poor sorted in part, siliceous cement, minor authigenic quartz, nil to 10% kaolinitic matrix, trace dark lithics, trace white bit-generated rock flour, poor visible porosity, no fluorescence.</i>	
355	100	<i>Sandstone: pale yellowish brown, increasing pale reddish brown fraction, trace moderate reddish brown, translucent grains, occasionally transparent grains, rare yellowish and reddish stained grains, moderate hard to hard, 20% unconsolidated, fine to medium, trace coarse, rounded to sub-rounded, spherical, moderate sorted, occasionally poor sorted, siliceous cement, nil to 5% kaolinitic matrix, trace dark lithics, trace white bit-generated rock flour, poor visible porosity, no fluorescence.</i>	Losses ~15 bbl/hr
370	50	<i>Sandstone 1: as above, no fluorescence.</i>	Formation change at ~356 m
	20	<i>Sandstone 2: moderate red to dusky red, moderate hard to hard, very fine to fine, trace medium, rounded to sub-rounded, moderate to well sorted, siliceous cement, 10-15% silty matrix, grading to arenaceous Siltstone, micro-micaceous, trace dark lithics, very poor visible porosity, no fluorescence.</i>	
	30	<i>Claystone: moderate reddish brown, soft amorphous, dispersive, rare micro-mica, trace dark lithics.</i>	
385	30	<i>Sandstone: pale yellowish brown, pale reddish brown, moderate reddish brown, translucent grains, occasionally transparent grains, rare yellowish and reddish stained grains, moderate hard to hard, 30% unconsolidated, fine to medium, trace coarse, rounded to sub-rounded, spherical, moderate sorted, siliceous cement, trace to 5% kaolinitic matrix, trace dark lithics, trace white bit-generated rock flour, poor visible porosity, no fluorescence.</i>	
	40	<i>Siltstone: moderate red to dusky red, moderate hard to hard, sub-blocky to sub-fissile, commonly with 5-20% very fine quartz grains, grading to silty Sandstone, rare micro-mica, rare trace lithics</i>	
	30	<i>Claystone: moderate reddish brown, soft, amorphous,</i>	

Depth (m)	%	Lithology	Remarks
		<i>dispersive, rare firm sub-fissile sub-blocky, abundant very fine quartz, trace micro-mica. Washes out of sample.</i>	
400	40	<i>Sandstone: pale yellowish brown, pale reddish brown, translucent, occasionally transparent, rare yellowish and reddish stained quartz grains, moderate hard, 50% unconsolidated, very fine to medium, rounded to sub-rounded, spherical, moderate sorted, siliceous cement, rare dolomitic cement, trace to 10% silty matrix, trace dark lithics, poor visible porosity, no fluorescence.</i>	Tr dolomitic
	30	<i>Siltstone: as above.</i>	
	30	<i>Claystone: moderate reddish brown, greyish orange pink, soft to firm, amorphous, dispersive in part, common very fine quartz grains, trace micro-mica.</i>	
415	30	<i>Sandstone: Pale yellowish brown, 10% pale reddish brown (Fe oxide stained quartz), colourless, translucent to transparent quartz grains, 60% friable quartz, 40% firm to moderately hard silica cemented aggregates, trace dolomitic cement, fine to medium grained, minor fine to medium and trace coarse grains, sub-angular to sub-rounded, poorly sorted, poor visual porosity, poor to fair inferred porosity, no fluorescence.</i>	
	30	<i>Siltstone: Purplish red to reddish brown, dominantly arenaceous, grades to silty sandstone in part, moderately hard, well indurated, weakly calcareous, blocky to sub-blocky cuttings.</i>	
	40	<i>Claystone: Moderate reddish orange to moderate reddish brown, dominantly dispersive (hydrophilic) clays, 10% soft claystone cuttings, trace to 5% silty quartz, amorphous to sub-blocky, non-calcareous.</i>	
430	30	<i>Sandstone: as above</i>	
	10	<i>Siltstone: as above</i>	
	60	<i>Claystone: as above</i>	Not much sample at shaker – clay dissolution
445	30	<i>Sandstone: Moderate reddish brown to pale reddish brown, reddish orange (Fe oxide) stained translucent quartz grains, dominantly friable very fine to fine and minor medium to coarse grains, 5-10% firm silica cemented aggregates, sub-angular to sub-rounded, poor to moderate sorting, trace dark green mafic fragments (hornblende), poor visual porosity, fair inferred porosity, no fluorescence.</i>	Rusty looking Sst
	10	<i>Siltstone: As above</i>	
	60	<i>Claystone: As above : % Estimation difficult due to clay dissolution.</i>	
460	60	<i>Sandstone: Moderate reddish brown to pale reddish brown, trace reddish pink, reddish orange (Fe oxide) stained translucent quartz grains, dominantly friable very fine to fine and minor medium to coarse grains, 5-10% firm silica cemented aggregates, sub-angular to sub-rounded, moderate sorting, poor visual porosity, fair to good inferred porosity, no fluorescence.</i>	Drill break 463-466 m with losses up to 550 bbl/hr
	20	<i>Claystone: As above</i>	

Depth (m)	%	Lithology	Remarks
	20	<i>Siltstone: As above</i>	
475	100	<i>Sandstone: Moderate reddish brown, dominantly Fe oxide stained friable quartz grains, rare aggregates, poorly consolidated, fine to occasionally medium grained, sub-angular to sub-rounded, well sorted, rare visible cement, nil visible matrix, good visual porosity, no fluorescence.</i>	Continuing loss zone.
490	30	<i>Sandstone: moderate reddish brown, dominantly Fe stained quartz grains (20%) and aggregates (80%), unconsolidated to friable, fine grained, sub-rounded to sub-angular, well sorted, weak siliceous cement, q0-15% silty matrix in part, predominantly poor visible porosity, occasionally good visible porosity, no fluorescence.</i>	Very poor sample quality and quantity due to blinding of shakers.
	40	<i>Siltstone: moderate to dark reddish brown, predominantly arenaceous, grading to silty Sandstone, moderate hard, non-calcareous, blocky to sub-blocky.</i>	
	30	<i>Claystone: moderate reddish orange, dominantly dispersive, (hydrophilic), occasionally very soft amorphous sub-blocky cuttings, trace to 5% silty quartz, non-calcareous.</i>	
505	10	<i>Sandstone: as above, 50% unconsolidated, 50% friable, no fluorescence.</i>	Poor sample quality.
	10	<i>Siltstone: as above.</i>	
	80	<i>Claystone: as above.</i>	
520	5	<i>Sandstone: as above, predominantly unconsolidated, rare slightly calcareous aggregates, no fluorescence.</i>	
	50	<i>Siltstone: moderate red, moderate reddish brown, predominantly arenaceous, grading to silty Sandstone, firm to moderate hard, trace dark lithics, trace to 5% silty quartz grains, blocky to sub-blocky</i>	
	45	<i>Claystone: as above.</i>	
535	5	<i>Sandstone: translucent, transparent, moderate reddish brown stained grains in part, unconsolidated, fine to rare medium, sub-rounded to sub-angular, well sorted, no visible cement, fair inferred porosity, no fluorescence.</i>	Top Upr. Stokes prov. pick: 529 m (ROP reduction) and litho change in 535 m sample
	75	<i>Siltstone: pale reddish brown, moderate red, predominantly arenaceous, grading to silty Sandstone, rare very fine grained pale yellowish brown and greenish grey Sandstone laminations with silty partings in part, firm to moderate hard, trace to 5% very fine quartz grains, sub-blocky to sub-fissile</i>	
	20	<i>Claystone: as above.</i>	
540 Spot		a/a	
548	75	<i>Siltstone: pale reddish brown, moderate red, locally arenaceous, grading to silty Sandstone in part, rare very fine grained pale yellowish brown and greenish grey Sandstone laminations, firm to moderate hard, trace to 5% very fine quartz grains, dominantly sub-fissile</i>	12 ¼" section TD = 548 m FIT: 355psi/12.62 EMW Mud: 8.8 ppg Shoe: 544.8m

Depth (m)	%	Lithology	Remarks
	20	<i>Claystone: moderate reddish orange, dominantly dispersive, (hydrophilic), occasionally very soft, amorphous to sub-blocky cuttings, trace to 5% silty quartz, non-calcareous.</i>	
	5	<i>Sandstone: Light brownish grey, translucent quartz grains, very fine to fine cemented aggregates, sub-angular to sub-rounded, well sorted, firm to moderately hard silica cement, 5% whitish kaolinitic matrix, commonly pulverised to hydrated rock flour, very poor visual porosity. No fluorescence.</i>	
550	98	<i>Siltstone: predominantly dark reddish black, firm to moderately hard, argillaceous, arenaceous in part, minor micro-mica, trace to 2% very fine quartz grains, trace angular grey lithic fragments (reworked?), sub-blocky to sub-fissile.</i>	
	2	<i>Cement: moderate grey, soft to moderate hard, sub-blocky.</i>	
565	95	<i>Siltstone: dark reddish black, firm to moderately hard, argillaceous, arenaceous in part, minor micro-mica, trace to 2% very fine quartz grains, rare embedded Sandstone fragments (reworked?), sub-blocky to sub-fissile.</i>	
	5	<i>Sandstone: medium dark grey, moderate hard to hard, very fine grained, grading to arenaceous Siltstone, dolomitic cement, trace to 2% dark mafic minerals (Hornblende?), platy angular cuttings, nil visible porosity, no fluorescence.</i>	
580	90	<i>Siltstone: as above, predominantly argillaceous.</i>	
	10	<i>Sandstone: medium dark grey, dark greenish grey, moderately hard, very fine to fine, fine to medium in part, grading to and laminated with moderate dark grey arenaceous Siltstone, generally well sorted, dolomitic cement, 5-10% kaolinite matrix, rare micro-mica, trace dark mafic mineral (hornblende?) nil visible porosity, no fluorescence.</i>	
595	90	<i>Siltstone: pale to dark reddish black, rare very dusky red purple, firm to moderately hard, predominantly argillaceous, trace micro-mica, trace dark mafic minerals (Hornblende?) trace embedded fine to medium quartz grains, 10% very fine quartz in part, sub-blocky to sub-fissile.</i>	
	10	<i>Sandstone: as above</i>	
610	80	<i>Siltstone: as above.</i>	
	20	<i>Sandstone: as above.</i>	
625	80	<i>Siltstone: pale to dark reddish brown, rare very dusky red purple, firm to moderately hard, predominantly argillaceous, trace micro-mica, trace hornblende?, trace embedded fine to medium, quartz grains, with 10% very fine quartz in part, slightly calcareous in part, interlaminated with Sandstone, sub-blocky to sub-fissile.</i>	
	20	<i>Sandstone: medium dark grey, dark greenish grey, moderately hard, very fine to fine, trace fine to medium, grading to arenaceous Siltstone, interlaminated with argillaceous Siltstone, well sorted, predominantly dolomitic cement, siliceous cement in part, 5-10% kaolinite matrix, rare micro-mica, trace hornblende?, nil visible porosity, no fluorescence.</i>	

Depth (m)	%	Lithology	Remarks
640	95	<i>Siltstone: pale to dark reddish black, dark greenish grey, firm to moderately hard, predominantly argillaceous, 10% arenaceous and grading to very fine Sandstone, trace micro-mica, trace hornblende(?), slight calcareous in part, sub-blocky to sub-fissile</i>	
	5	<i>Sandstone: moderately dark grey, dark greenish grey, moderately hard, very fine to fine, interlaminated with Siltstone. Well sorted, predominantly dolomitic cement, siliceous cement in part, 5-10% kaolinitic matrix, trace hornblende(?) nil visible porosity, no fluorescence.</i>	
655	90	<i>Siltstone: pale to dark reddish grey thinly interlaminated with minor dark greenish grey, firm to moderately hard, predominantly argillaceous, greenish grey Siltstone is dominantly arenaceous and grades in part to Silty Sandstone, trace micro-mica, trace dark grey mafics, slight calcareous in part, sub-blocky to sub-fissile,</i>	
	10	<i>Sandstone: moderately dark grey, dark greenish grey, moderately hard, very fine to fine and minor Silty Sandstone, interlaminated with Siltstone. Well sorted, predominantly dolomitic cement, siliceous cement in part with silica overgrowths, <5 % kaolinitic matrix, nil visible porosity, no fluorescence.</i>	
670	95	<i>As above</i>	
	5	<i>As above</i>	
685	90	<i>Siltstone: a/a</i>	
	10	<i>Sandstone: a/a</i>	
700	100	<i>Siltstone: Moderate reddish brown to dark reddish brown (90%), greyish green (10%), interlaminated, reddish brown is dominantly argillaceous with traces dark lithic grains and rare lithic quartz, firm to moderately hard, trace dispersive clay, weakly dolomitic, sub-blocky to sub-fissile. Greenish grey is dominantly siliceous/arenaceous grading to silty sandstone in part, trace very fine to fine grained quartz, moderately hard, sub-blocky to sub-fissile</i>	
715	100	<i>As above</i>	
730	100	<i>As above</i>	
745	100	<i>Siltstone: Moderate reddish brown to dark reddish brown (85%), greyish green (15%), interlaminated, reddish brown is dominantly argillaceous with traces dark lithic grains and rare lithic quartz, firm to moderately hard, trace dispersive clay, weakly dolomitic, sub-blocky to sub-fissile. Greenish grey is dominantly siliceous/arenaceous grading to silty sandstone in part, trace very fine to fine grained quartz, moderately hard, sub-blocky to sub-fissile, also weakly dolomitic. No fluorescence.</i>	
760	100	<i>Siltstone: as above</i>	
775	100	<i>Siltstone: as above</i>	
790	100	<i>Siltstone: as above</i>	
805	100	<i>Siltstone: as above.</i>	
	Trace	<i>Dolomite: white to very light grey, sparitic , micritic in part, predominantly crystalline, trace calcite micro-veins (<0.5mm),</i>	

Depth (m)	%	Lithology	Remarks
		<i>moderately hard to hard, sub-blocky.</i>	
812 Spot	98	<i>Siltstone: medium dark grey, moderately reddish brown, argillaceous to arenaceous, moderately hard, slightly calcareous in part, rare lithics, rare micro-mica, sub-fissile to sub-blocky.</i>	Reverse drill break.
	2	<i>Dolomite: as above.</i>	
820	95	<i>Siltstone: medium dark grey (70%), moderately reddish brown (30%), argillaceous, arenaceous in part, moderately hard, slight calcareous in part, grading to silty Dolomite, rare micro-mica, sub-fissile to sub-blocky, angular cuttings.</i>	
	5	<i>Dolomite: as above, silty in part.</i>	
835	95	<i>Siltstone: as above, medium dark grey (60%), moderately reddish brown (40%), trace nodular pyrite.</i>	
	5	<i>Dolomite: as above.</i>	
850	95	<i>Siltstone: medium dark grey (95%) moderately reddish brown (5%), argillaceous, arenaceous in part, moderately hard, slightly calcareous in part, locally grading to silty Dolomite, rare micro-mica, trace nodular pyrite, sub-fissile.</i>	
	5	<i>Dolomite: as above.</i>	
865	95	<i>Siltstone: medium light grey to medium dark grey (95%), moderately reddish brown (5%), argillaceous, moderately calcareous in part, local grading to silty Dolomite, rare micro-mica, trace nodular pyrite, sub-fissile.</i>	
	5	<i>Dolomite: as above.</i>	
870	100	<i>Siltstone: medium light grey to medium dark grey, argillaceous (60%) to arenaceous (40%), lighter fraction moderately calcareous, rare micro-mica, trace nodular pyrite, moderately hard, sub-fissile.</i>	Sampling at 5m intervals (>>ROP for programmed 3m intervals).
875	100	<i>Siltstone: as above.</i>	
880	100	<i>Siltstone: as above.</i>	
885	100	<i>Siltstone: medium light grey, medium dark grey, occasionally light grey and grading to silty Dolomite, argillaceous (60%) to arenaceous (40%), slightly to moderately calcareous, rare micro-mica, trace dark specks, moderately hard, sub-fissile.</i>	
890	100	<i>Siltstone: as above.</i>	
895	98	<i>Siltstone: as above. With rare moderately reddish brown cuttings</i>	
	2	<i>Sandstone: translucent, trsnp, very light grey, predominantly unconsolidated, trace friable, very fine to fine, rare medium, sub-rounded to sub-angular, spherical, weak siliceous cement, dolomitic cement in part, moderately to well sorted, minor quartz overgrowths, poor visible porosity, no fluorescence.</i>	
900	95	<i>Siltstone: as above.</i>	
	5	<i>Sandstone: as above.</i>	
905	90	<i>Siltstone: medium light grey to medium dark grey, predominantly argillaceous, arenaceous in part, grading to silty Dolomite in part, slightly calcareous, rare micro-mica, trace nodular pyrite, moderately hard, sub-fissile</i>	
	10	<i>Sandstone: as above, minor rock flour, trace very dull mineral fluorescence. Common bit generated rock fluorescence.</i>	

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910	85	<i>Siltstone: as above.</i>	
	15	<i>Sandstone: very light grey to light grey aggregates, transparent, occasionally translucent very fine to fine quartz grains, rare medium quartz grains, unconsolidated to friable, sub-rounded to sub-angular, spherical, moderately sorted, dolomitic cement, siliceous cement in part, common overgrowths, trace carb specks, tight visible porosity, poor inferred porosity, trace very dull mineral fluorescence, ~10% bit generated white rock flour.</i>	
915	60	<i>Siltstone: Medium light grey to medium dark grey, greenish grey in part, dominantly siliceous/arenaceous, micro-micaceous, moderately hard, weakly dolomitic, sub-fissile.</i>	5 std WT due to string hanging up.
	40	<i>Sandstone: Very light grey to light grey to slightly greenish grey, 60% firm cemented aggregates, 40% friable quartz grains, very fine to dominantly fine grained, rare medium, sub-angular, poor to moderate sorting, dolomitic cement, some silica overgrowths, 2-5% detrital clay matrix, poor visual, poor to fair inferred porosity. No fluorescence.</i>	Unable to achieve desired build rate
920	70	<i>Sandstone: Very light grey to light grey, trace light green variations, very fine to fine grained, sub-angular to minor sub-rounded, poor to moderate sorted, dolomitic/calcareous cemented aggregates with 2-3% detrital clay matrix, trace mafics, poor visual porosity, poor to occasionally fair inferred porosity. Trace dull yellow mineral fluorescence.</i>	From 915 m able to build again
	30	<i>Siltstone: Greenish grey to medium bluish grey, 5% reddish brown, dominantly siliceous/arenaceous, weak calcareous/dolomitic matrix, micro-micaceous, common traces disseminated pyrite, moderately hard, sub-fissile.</i>	
925	80	<i>As above</i>	
	20	<i>As above</i>	
930	85	<i>Sandstone: Very light grey to light grey, trace light green, very fine to fine grained, sub-angular to minor sub-rounded, poor to moderate sorted, dolomitic/calcareous cemented aggregates with 10% friable quartz grains, 2-3% detrital clay matrix, trace dark green mafics, poor visual porosity, poor to occasionally fair inferred porosity. No fluorescence. Note : 15-20% of sample consists of bit generated silica rock flour.</i>	
	15	<i>Siltstone: Greenish grey to medium bluish grey, 5% reddish brown, dominantly siliceous/arenaceous, rarely grades to silty sandstone, weak calcareous/dolomitic matrix, micro-micaceous, common traces disseminated pyrite, moderately hard, sub-fissile.</i>	
935	80	<i>Sandstone As above</i>	
	20	<i>Siltstone As above</i>	
940	80	<i>Sandstone: very light grey to light grey, friable, very fine to fine grained, sub-angular to occasionally sub-rounded, spherical, moderately sorted, calcareous/dolomitic cement, trace to 5% detrital clay matrix, trace dark green mafic minerals, trace medium to coarse loose quartz, trace dark silty lithics, poor to occasionally fair visible porosity, no fluorescence. 20% bit generated rock flour in sample.</i>	
	20	<i>Siltstone: greenish grey, medium bluish grey, trace reddish</i>	

Depth (m)	%	Lithology	Remarks
		brown, predominantly siliceous/arenaceous, grading to silty Sandstone in part, weakly calcareous/dolomitic, micro-micaceous, trace disseminated pyrite, moderately hard, sub-fissile.	
945	80	Sandstone: as above, no fluorescence.	Common LCM in sample.
	20	Siltstone: as above.	
950	90	Sandstone: as above, no fluorescence.	Very small 'milled' cuttings due to low ROP
	10		
955	85	Sandstone: as above, no fluorescence.	IsoTube taken at 954 m (0.8% peak)
	15	Siltstone: as above.	
960	85	Sandstone: as above, no fluorescence. Sample consists of 20% bit generated rock flour.	
	15	Siltstone: as above	
965	90	Sandstone: as above, no fluorescence.	
	10	Siltstone: greenish grey to dark greenish grey, brownish black, medium bluish grey, predominantly siliceous/arenaceous, grading to silty Sandstone in part, weakly calcareous/dolomitic, micro-micaceous, trace nodular pyrite, moderately hard to hard, sub-fissile.	
970	95	as above, 30% bit generated rock flour, no fluorescence.	
	5	Siltstone: as above.	
975	95	As above	
	5	As above	
980	90	Sandstone: Light grey to medium light grey, translucent, clear and minor frosted quartz, dominantly very fine to minor fine, moderately hard silica cemented aggregates, <10% friable quartz grains, sub-angular to sub-rounded, well sorted, rare clay matrix, trace dark grey to black lithic grains, non-calcareous, very poor visual porosity. No fluorescence. Note 20% white silica rock flour present.	
	10	Siltstone: Medium grey to bluish grey, dominantly siliceous, trace arenaceous grading to silty sandstone, micro-micaceous, moderately hard, non-calcareous, sub-blocky to sub-fissile.	
985	90	As above	
990	100	Sandstone: Sandstone: Light grey to medium light grey, translucent, clear and minor frosted quartz, dominantly very fine to minor fine, moderately hard silica cemented aggregates, <10% friable quartz grains, sub-angular to sub-rounded, well sorted, rare clay matrix, trace dark grey to black lithic grains, non-calcareous, very poor visual porosity. No fluorescence. Note 20% white silica rock flour present.	
	Trace	Siltstone	
995	100	Sandstone : as above	
	Trace	Siltstone: As above	
1000	70	Sandstone: : Light grey to medium light grey, translucent,	Formation

Depth (m)	%	Lithology	Remarks
		<i>clear and minor frosted quartz, dominantly very fine to minor fine, moderately hard silica cemented aggregates, <10% friable quartz grains, sub-angular to sub-rounded, well sorted, rare clay matrix, trace dark grey to black lithic grains, trace carbonate cement, very poor visual porosity. No fluorescence. Note 20-30% white silica rock flour present.</i>	<i>changing (near top of Middle Stairway ?)</i>
	30	<i>Siltstone: Medium light grey to medium grey, dominantly arenaceous, locally grading to silty sandstone, moderately hard, micro-micaceous, weak dolomitic/calcareous matrix, sub-blocky to sub-fissile.</i>	
1005	50	<i>Sandstone: as above.</i>	
	50	<i>Siltstone: as above.</i>	
1010	40	<i>Sandstone: light grey to medium light grey, transparent, translucent, rare frosted grains, friable to moderately hard, very fine to occasionally fine, sub-rounded to sub-angular, spherical, well sorted, siliceous cement, rare dolomitic cement, rare detrital clay matrix, trace lithic grains, very poor visible porosity, no fluorescence. Note 5-10% white silica rock flour present.</i>	
	60	<i>Siltstone: light grey to medium light grey, predominantly arenaceous, in part grading to silty Sandstone, firm to moderately hard, micro-mica, predominantly non calcareous, weakly dolomitic in part, sub-blocky to fissile.</i>	
1015	20	<i>Sandstone: as above, no fluorescence.</i>	
	80	<i>Siltstone: as above.</i>	
1020	5	<i>Sandstone: as above, no fluorescence. Note 10% white silica rock flour.</i>	
	95	<i>Siltstone: medium light grey to medium dark grey, predominantly arenaceous, in part grades to silty Sandstone, firm to moderately hard, micro-micaceous, non-calcareous, sub-blocky to fissile, trace disseminated micro-pyrite.</i>	
1025	30	<i>Sandstone: as above, no fluorescence. Note 20% white silica rock flour.</i>	
	70	<i>Siltstone: as above.</i>	
1030	20	<i>Sandstone: Sandstone: as above, no fluorescence.</i>	
	80	<i>Siltstone: as above.</i>	
1035	20	<i>Sandstone: light grey to medium light grey, friable to moderately hard, very fine to occasionally fine, sub-angular to angular, spherical, well sorted, siliceous cement, Dolomite cement in part, rare localised pyritic cement, trace to 5% detrital clay matrix, trace dark mafic minerals, trace lithics, poor visible porosity, no fluorescence.</i>	
	80	<i>Siltstone: as above.</i>	
1040	10	<i>Sandstone: as above, no fluorescence.</i>	
	90	<i>Siltstone: medium grey to dark grey, arenaceous, argillaceous in part, grading to silty Sandstone, moderately hard, non-calcareous, trace dark mafic minerals, trace brown biotite, trace disseminated micro-pyrite.</i>	
1045	20	<i>Sandstone: as above, no fluorescence.</i>	
	80	<i>Siltstone: as above.</i>	
1050	20	<i>Sandstone: as above, no fluorescence.</i>	
	80	<i>Siltstone: medium dark grey, light grey, occasionally light</i>	

Depth (m)	%	Lithology	Remarks
		<i>brownish grey, moderately hard, predominantly arenaceous, argillaceous in part, common grading to silty Sandstone, slightly calcareous in part, micro-micaceous, trace dark mafic minerals, trace nodular and disseminated pyrite, trace localised dark brown biotite.</i>	
1055	90	<i>Siltstone: medium dark grey to dark grey, minor light grey arenaceous siltstone, firm to moderately hard, micro-micaceous, trace micro-carbonaceous material, non-calcareous, sub-fissile to sub-elongate.</i>	
	10	<i>Sandstone: as above</i>	
1060	90	<i>Siltstone: As above</i>	
	10	<i>Sandstone: as above</i>	
1065	95	<i>Siltstone: As above</i>	
	5	<i>Sandstone: as above</i>	
1070	95	<i>Siltstone: As above</i>	
	5	<i>Sandstone: as above</i>	
1075	95	<i>Siltstone: medium dark grey to dark grey, minor light grey arenaceous siltstone, firm to moderately hard, micro-micaceous, trace micro-carbonaceous material, non-calcareous, sub-fissile to sub-elongate.</i>	
	5	<i>Sandstone: Light grey to medium light grey, firm to moderately hard, very fine to fine grained, sub-angular to sub-rounded, well sorted, moderately hard siliceous cement, 5% kaolinitic matrix, trace mafic grains, non-calcareous, very poor visual porosity, no fluorescence.</i>	
1080	80	<i>Siltstone : as above</i>	
	20	<i>Sandstone: as above</i>	
1085	60	<i>Siltstone: as above</i>	
	40	<i>Sandstone: Light grey to medium light grey, translucent quartz grains, moderately hard silica cemented aggregates, very fine to fine grained, silty in part, sub-angular to sub-rounded, well sorted, occasional thin siltstone laminations, very poor visual porosity. No fluorescence.</i>	
1090	50	<i>Sandstone: As above</i>	
	50	<i>Siltstone: As above</i>	
1094	60	<i>Siltstone: Medium to dark grey, firm to moderately hard, dominantly argillaceous, micro-micaceous, occasional finely disseminated pyrite, thinly interlaminated with silty sandstone, sub-fissile, minor sub-elongate.</i>	Bit Trip 1094m
	40	<i>Sandstone: Light grey to medium light grey, silty to very fine grained, moderately hard, sub-angular to sub-rounded, well sorted, moderately hard silica cement, trace calcareous cement, trace pyrite cement, trace pyrite nodules, occasional siliceous overgrowths, trace to 5% clay matrix, very poor visual porosity, no fluorescence.</i>	
1100	50	<i>As above</i>	
	50	<i>As above</i>	
1105	60	<i>As above</i>	
	40	<i>As above</i>	
1110	70	<i>Sandstone: Light grey to medium light grey, translucent to frosted quartz, dominantly firm to moderately hard silica cemented aggregates with siliceous overgrowths, silty to very</i>	

Depth (m)	%	Lithology	Remarks
		<i>fine, sub-angular to sub-rounded, well sorted, 2-3% clay matrix, trace dark mafic grains, thinly interlaminated with Siltstone, non-calcareous, very poor visual porosity, no fluorescence.</i>	
	30	<i>Siltstone: Medium grey to medium dark grey, dominantly argillaceous, locally siliceous to arenaceous, in part grading to silty sandstone, firm to moderately hard, micro-micaceous, non-calcareous, sub-fissile.</i>	
1115	60	<i>Siltstone: As above</i>	
	40	<i>Sandstone: As above</i>	
1120	70	<i>Siltstone: As above</i>	
	30	<i>Sandstone: As above</i>	
1125	60	<i>Siltstone: Medium grey to medium dark grey, moderately hard, dominantly argillaceous, locally arenaceous grading to and interlaminated with silty sandstone, micro-micaceous, trace micro-carbonaceous, non-calcareous, sub-fissile to fissile.</i>	
	40	<i>Sandstone: light grey to medium light grey, translucent to clear quartz, moderately hard silica cemented aggregates, silty to very fine grained, sub-angular to sub-rounded, well sorted, 2-3% off white kaolinitic matrix, trace pyrite cement, trace biotite, non-calcareous, nil visible porosity, no fluorescence.</i>	
1130	80	<i>Siltstone: as above.</i>	
	20	<i>Sandstone: as above, no fluorescence.</i>	
1135	70	<i>Siltstone: as above.</i>	
	30	<i>Sandstone: as above, no fluorescence.</i>	
1140	80	<i>Siltstone: as above.</i>	
	20	<i>Sandstone: as above, no fluorescence.</i>	
1145	80	<i>Siltstone: medium grey to medium dark grey, predominantly argillaceous, locally arenaceous and grading to silty Sandstone, moderately hard, non-calcareous, micro-micaceous, trace carbonaceous specks, inter-laminated with Sandstone, sub-fissile to fissile.</i>	
	20	<i>Sandstone: light grey to medium light grey, translucent to transparent quartz, moderately hard to hard, very fine, sub-angular to sub-rounded, well sorted, hard siliceous cement, trace pyrite cement, 2-3% clay matrix trace biotite flakes, non-calcareous, nil visible porosity, no fluorescence.</i>	
1150	90	<i>Siltstone: as above.</i>	
	10	<i>Sandstone: as above, no fluorescence.</i>	
1155	80	<i>Siltstone: as above.</i>	
	20	<i>Sandstone: as above, no fluorescence.</i>	
1160	90	<i>Siltstone: medium grey to medium dark grey, moderately hard, argillaceous, arenaceous in part, and grading to/laminated with silty Sandstone, non-calcareous, micro-micaceous, trace carbonaceous specks, sub-fissile to fissile</i>	
	10	<i>Sandstone: light grey to moderately light grey, translucent to transparent grains, moderately hard to hard, very fine, rare fine, sub-rounded to sub-angular, well sorted, siliceous cement, trace pyritic cement in part, 2-5% clay matrix, trace biotite flecks, trace carbonaceous lithics, nil visible porosity,</i>	

Depth (m)	%	Lithology	Remarks
		no fluorescence.	
1165	90	Siltstone: as above.	
	10	Sandstone: as above, no fluorescence.	
1170	95	Siltstone: as above.	
	5	Sandstone: as above, no fluorescence.	
1175	95	Siltstone: as above.	
	5	Sandstone: as above, no fluorescence.	
1180	95	Siltstone: medium grey to dark grey, moderately hard, predominantly argillaceous, arenaceous in part and grading to/laminated with silty Sandstone, non-calcareous, micro-micaceous, trace carbonaceous specks, sub-fissile to fissile	
	5	Sandstone: light grey to medium light grey, translucent to transparent quartz, moderately hard to hard, very fine, sub-rounded to sub-angular, well sorted, siliceous cement, trace localised pyritic cement, 2-5% clay matrix, trace biotite, trace carbonaceous lithics, nil visible porosity, no fluorescence.	
1185	90	Siltstone: as above.	
	10	Sandstone: as above, no fluorescence.	
1190	95	Siltstone: as above.	
	5	Sandstone: as above, no fluorescence.	
1195	95	Siltstone: as above.	
	5	Sandstone: light grey to medium light grey, translucent to transparent quartz grains, moderately hard to hard, very fine to occasionally fine, sub-rounded to sub-angular, well sorted, siliceous cement, trace localised pyritic cement, trace to 2% clay matrix, trace biotite, trace carbonaceous lithics, nil visible porosity, no fluorescence.	
1200	90	Siltstone: medium grey to dark grey, moderately hard to hard, argillaceous to arenaceous, in part grading to and laminated with silty Sandstone, no-calcareous, micro-micaceous, trace carbonaceous specks, trace calcareous vein? fragments, sub-fissile to fissile.	
	10	Sandstone: as above, no fluorescence.	
1205	95	Siltstone: as above.	
	5	Sandstone: as above, no fluorescence.	
1210	20	Sandstone: as above, no fluorescence	
	80	Siltstone: as above	
1215	15	Sandstone: as above, no fluorescence	
	85	Siltstone: as above	
1220	80	Siltstone: Medium grey to medium dark grey, dominantly argillaceous siltstone, moderately hard, micro-micaceous, micro-carbonaceous, non-calcareous, sub-fissile to fissile, no fluorescence.	
	20	Sandstone: Light to medium grey, translucent to clear quartz, dominantly silty to very fine aggregates, moderately hard, siliceous cement, weak calcareous cement, sub-angular to sub-rounded, well sorted, 3-5% clay matrix, trace mica, finely interlaminated with Siltstone, nil to very poor visual porosity. No fluorescence.	
1225	90	As above	
	10	As above	

Depth (m)	%	Lithology	Remarks
1230	90	As above	
	10	As above	
1235	90	Siltstone: Medium dark grey to dark grey, moderately hard, dominantly argillaceous, minor arenaceous siltstone, micro-micaceous, common carbonaceous lithic grains, non-calcareous, sub-fissile to fissile.	
	10	Sandstone: Light to medium grey, translucent to clear quartz, dominantly silty to very fine aggregates, moderately hard, siliceous cement, weak calcareous cement in part, sub-angular to sub-rounded, well sorted, 3-5% kaolinitic matrix, trace mica, finely interlaminated with Siltstone, nil to very poor visual porosity. No fluorescence.	
1240	90	As above	
	10	As above	
1245	90	As above	
	10	As above	
1250	85	As above	
	15	As above	
1255	85	Siltstone: Medium dark grey to dark grey, moderately hard, brittle in part, dominantly argillaceous, minor arenaceous siltstone, micro-micaceous, common carbonaceous lithic grains, interlaminated with sandstone, non-calcareous, sub-fissile to fissile.	
	15	Sandstone: Light to medium grey, translucent to clear quartz, dominantly silty to very fine aggregates, moderately hard, siliceous cement, sub-angular to sub-rounded, well sorted, 3-5% kaolinitic matrix, trace mica, finely interlaminated with Siltstone, nil to very poor visual porosity. No fluorescence	
1260	80	Siltstone: as above	
	20	Sandstone: as above, no fluorescence.	
1265	70	Siltstone: medium dark grey to dark grey, moderately hard, brittle in part, dominantly argillaceous, minor arenaceous, micro-micaceous, common carbonaceous lithics, interlaminated with Sandstone, non-calcareous, sub-fissile to fissile.	
	30	Sandstone: light grey to medium grey, translucent to transparent grains, dominantly silty to very fine grained aggregates, moderately hard, sub-rounded to sub-angular, siliceous cement, 3-5% kaolinitic matrix, trace mica, finely interlaminated with Siltstone, nil to very poor visible porosity, no fluorescence.	
1270	80	Siltstone: as above.	
	20	Sandstone: as above, no fluorescence.	
1275	80	Siltstone: as above.	
	20	Sandstone: light grey to medium grey, translucent to transparent, predominantly silty to very fine grained, moderately hard, sub-rounded to sub-angular, siliceous cement, 2-5% kaolinitic matrix, trace mica, finely interlaminated with Siltstone, nil to very poor visible porosity, no fluorescence.	
1280	85	Siltstone: as above.	
	15	Sandstone: as above, no fluorescence.	

Depth (m)	%	Lithology	Remarks
1285	90	Siltstone: medium dark grey to dark grey, moderately hard to hard, argillaceous, arenaceous in part, micro-micaceous, minor carbonaceous lithics, inter-laminated with Sandstone, non-calcareous, sub-fissile to fissile.	
	10	Sandstone: as above, no fluorescence.	
1290	90	Siltstone: as above.	
	10	Sandstone: as above, no fluorescence.	
1295	80	Siltstone: as above.	
	20	Sandstone: as above, no fluorescence.	
1300	60	Siltstone: medium grey to medium dark grey, moderately hard to hard, argillaceous to arenaceous, micro-micaceous, common carbonaceous lithics, inter-laminated with silty Sandstone, non-calcareous, sub-fissile to fissile.	
	40	Sandstone: light grey to medium grey translucent to transparent grains, predominantly silt to very fine grained aggregates, moderately hard, sub-rounded to sub-angular, predominantly siliceous cement, 2-5% kaolinitic matrix, slightly calcareous in part, trace mica, trace carbonaceous flecks, finely interlaminated with Siltstone, nil to very poor visible porosity, no fluorescence.	
1305	60	Siltstone: as above.	
	40	Sandstone: as above, no fluorescence.	
1310	80	Siltstone: as above.	
	20	Sandstone: as above, no fluorescence.	
1315	80	Siltstone: as above.	
	20	Sandstone: as above, no fluorescence.	
1320	90	Siltstone: as above.	
	10	Sandstone: as above, no fluorescence.	
1325	80	Siltstone: as above.	
	20	Sandstone: as above, no fluorescence.	
1330	85	Siltstone: as above.	
	15	Sandstone: as above, no fluorescence.	
1335	90	Siltstone: as above.	
	10	Sandstone: as above, no fluorescence.	
1340	90	Siltstone: medium grey to medium dark grey, moderately hard to hard, argillaceous to arenaceous, micro-micaceous, common carbonaceous lithics, inter-laminated and in part intergrading with silty Sandstone, non-calcareous, sub-fissile to fissile.	
	10	Sandstone: light grey to medium grey translucent to transparent grains, predominantly silt to very fine grained aggregates, minor very fine to fine, moderately hard, sub-rounded to sub-angular, moderate to well sorted, predominantly siliceous cement, 2-5% kaolinitic matrix, slightly calcareous in part, trace mica, trace mafics, finely interlaminated with Siltstone, nil to very poor visible porosity, no fluorescence	
1345	85	Siltstone: as above.	
	15	Sandstone: as above	
1350	80	Siltstone: as above.	
	20	Sandstone: as above	

Depth (m)	%	Lithology	Remarks
1355	80	Siltstone: as above.	
	20	Sandstone: as above	
1360	85	Siltstone: medium grey to medium dark grey, moderately hard to hard, argillaceous to arenaceous, micro-micaceous, common carbonaceous lithics, inter-laminated and in part intergrading with silty Sandstone, non-calcareous, sub-fissile to fissile.	
	15	light grey to medium grey translucent to transparent grains, predominantly silt to very fine grained aggregates, minor very fine to fine, moderately hard, sub-rounded to sub-angular, moderate to well sorted, predominantly siliceous cement, 2-5% kaolinitic matrix, slightly calcareous in part, trace mica, trace mafics, finely interlaminated with Siltstone, nil to very poor visible porosity, no fluorescence	
1365	90	Siltstone: as above.	
	10	Sandstone: as above, no fluorescence.	
1370	95	Siltstone: as above.	
	5	Sandstone: as above, no fluorescence.	
1375	85	Siltstone: medium grey to medium dark grey, moderately hard to hard, argillaceous to arenaceous, micro-micaceous, common carbonaceous lithics, inter-laminated with and in part grading to silty Sandstone, non-calcareous, sub-fissile to fissile.	
	15	Sandstone: light grey to medium grey, translucent to transparent grains, predominantly light to very fine grained aggregates, minor very fine to fine aggregates, moderately hard, sub-rounded to sub-angular, moderately to well sorted, siliceous cement, 2-5% kaolinitic matrix, slightly calcareous in part, trace mica, trace mafic minerals, finely interlaminated w Sandstone, nil to very poor visible porosity, no fluorescence.	
1380	80	Siltstone: as above.	
	20	Sandstone: as above, no fluorescence.	
1385	85	Siltstone: as above.	
	15	Sandstone: as above, nil-2% kaolinitic matrix, no fluorescence.	
1390	80	Siltstone: as above.	
	20	Sandstone: as above, no fluorescence.	
1395	80	Siltstone: as above.	
	20	Sandstone: as above, no fluorescence.	
1400	90	Siltstone: as above.	
	10	Sandstone: as above, no fluorescence.	
1405	90	Siltstone: as above.	
	10	Sandstone: as above, no fluorescence.	
1410	90	Siltstone: medium grey to medium dark grey, moderately hard to hard, argillaceous to arenaceous, micro-micaceous, common carbonaceous lithics, interlaminated with and grading to silty Sandstone, non-calcareous, sub-fissile to fissile.	
	10	Sandstone: light grey to medium grey, translucent to transparent grains, predominantly light to very fine grained aggregates, minor very fine to fine aggregates, moderately hard, sub-rounded to sub-angular, moderately to well sorted,	

Depth (m)	%	Lithology	Remarks
		siliceous cement, trace to 5% patchy kaolinitic matrix, slightly calcareous in part, trace mica, trace mafic minerals, finely interlaminated with Sandstone, nil to very poor visible porosity, no fluorescence.	
1415	90	Siltstone: as above.	
	10	Sandstone: as above, no fluorescence.	
1420	90	Siltstone: as above.	
	10	Sandstone: as above, no fluorescence	
1425	90	Siltstone: as above.	
	10	Sandstone: as above, no fluorescence	
1430	90	Siltstone: as above.	
	10	Sandstone: as above, no fluorescence	
1435	95	Siltstone: as above.	
	5	Sandstone: as above, no fluorescence	
1440	95	Siltstone : medium grey to medium dark grey, moderately hard to hard, brittle in part, argillaceous to minor arenaceous (10%), micro-micaceous, common carbonaceous lithics, interlaminated with and in part grading to silty Sandstone, trace disseminated micro-pyrite, non-calcareous, sub-fissile to fissile.	
	5	Sandstone: light grey to medium grey, translucent to transparent grains, predominantly silt to very fine grained aggregates, minor very fine to fine aggregates, moderately hard to hard, sub-rounded to sub-angular, moderately to well sorted, hard siliceous cement with silica overgrowths, trace pyrite cement, trace to 5% patchy kaolinitic matrix, calcareous in part, trace mica, trace mafic minerals, finely interlaminated with arenaceous Siltstone, nil to very poor visible porosity, no fluorescence.	
1445	95	Siltstone: as above.	
	5	Sandstone: as above, no fluorescence	
1450	95	Siltstone: as above.	
	5	Sandstone: as above, no fluorescence	
1455	95	Siltstone: as above.	
	5	Sandstone: as above, no fluorescence	
1460	95	Siltstone: as above.	
	5	Sandstone: as above, no fluorescence	
1465	95	Siltstone: as above.	
	5	Sandstone: as above, no fluorescence.	
1470	70	Siltstone: medium grey to medium dark grey, moderately hard to hard, brittle in part, arenaceous to argillaceous, interlaminated with and grading to silty Sandstone, rare disseminated micro-pyrite, non-calcareous, trace brown mica, sub-fissile to fissile.	Sandier
	30	Sandstone: light grey to medium light grey, translucent to transparent, predominantly silt to very fine grained aggregates, minor very fine to fine aggregates, trace medium loose, hard, sub-rounded to angular, moderately to well sorted, hard siliceous cement, rare pyritic cement, common quartz overgrowths, nil to 5% patchy kaolinitic matrix, slightly calcareous in part, trace mica, trace mafic minerals, interlaminated with arenaceous Siltstone, nil to very poor	

Depth (m)	%	Lithology	Remarks
		visible porosity, no fluorescence.	
1475	80	Siltstone: as above.	
	20	Sandstone: as above, no fluorescence.	
1480	60	Siltstone: Medium grey to medium dark grey, dominantly argillaceous, 10% arenaceous grading to silty sandstone, moderately hard to hard, micro-micaceous, trace micro-carbonaceous grains, non-calcareous, sub-fissile to fissile.	
	40	Sandstone: Light grey to medium light grey, translucent to frosted quartz grains, dominantly very fine grained cemented aggregates, rare fine to medium grains, hard silica cement with siliceous overgrowths, minor calcareous cement, trace pyritic cement, occasional fine silty laminae, trace dark mafic grains, nil to very poor visual porosity. No fluorescence.	
1485	60	Siltstone: as above.	
	40	Sandstone: as above	
1490	60	Siltstone: as above.	
	40	Sandstone: as above	
1495	60	Siltstone: as above	
	40	Sandstone: as above	
1498	60	Siltstone: Medium grey to medium dark grey, dominantly argillaceous, 10% arenaceous grading to silty sandstone, thinly interlaminated with silty sandstone, moderately hard to hard, micro-micaceous, trace micro-carbonaceous grains, non-calcareous, sub-fissile to fissile	
	40	Sandstone: Light grey to medium light grey, translucent to frosted quartz grains, dominantly very fine grained cemented aggregates, rare fine to medium friable grains, hard silica cement with siliceous overgrowths, minor calcareous cement, trace pyritic cement, 1-2% white kaolinitic matrix, occasional fine silty laminae, trace dark mafic grains, nil to very poor visual porosity. No fluorescence.	8 1/2" Section TD
1501	40	Sandstone: very light grey to light grey, translucent, transparent quartz grains, predominantly unconsolidated, rare moderately hard aggregates, fine to medium grained, sub-rounded to sub-angular, spherical to sub-spherical, moderately to poorly sorted, siliceous cement, common quartz overgrowths, trace to 5% clay matrix, trace dark mafic minerals, poor visible porosity, poor to fair inferred porosity, no fluorescence.	6 1/8"
	30	Siltstone: as above	
	30	Cement; medium grey, firm to moderately hard, blocky.	
1502 SPOT	40	Sandstone: as above.	Bottoms up.
	30	Siltstone: as above.	
	30	Cement: as above.	
1504	80	Siltstone: Reddish brown to medium dark grey, dominantly argillaceous (some hydration after washing to remove foam), firm to moderately hard, non-calcareous, sub-blocky	* Air Drilling from 1502 m. Lots of foam !
	20	Sandstone: As above	
1507	70	Sandstone: As above	Note : Small cuttings volume, only

Depth (m)	%	Lithology	Remarks
			enough for microscope, none bagged
	30	Siltstone: As above	
1510	70	Sandstone: Light to medium grey, translucent to clear quartz, moderately hard silica cemented very fine to fine grained aggregates, 20% fine to medium poorly consolidated quartz grains, poor visual porosity. No fluorescence	Poor returns
	30	Siltstone: Medium grey to medium dark grey, dominantly argillaceous, 5% arenaceous grading to silty sandstone, moderately hard to hard, micro-micaceous, non-calcareous, sub-fissile to fissile	
1513	90	Sandstone: as above	Poor returns
	10	Siltstone: as above	
1516	95	Sandstone: Light to medium grey, translucent to clear quartz grains, dominantly moderately hard silica cemented very fine to fine grained aggregates, trace calcareous cement, 5-10% fine to medium poorly consolidated sub-angular to sub-rounded quartz grains, poor visual porosity, poor to fair inferred porosity. No fluorescence	Poor returns
	5	Siltstone: as above	
1519		NO SAMPLE	Not even
			enough for microscope
1522	100	Sandstone: Light to medium grey, translucent to clear quartz grains, dominantly moderately hard silica cemented very fine to fine grained aggregates, trace calcareous cement, 5-10% fine to medium poorly consolidated sub-angular to sub-rounded quartz grains, occasional fractured grains, very poor visual porosity, poor inferred porosity. No fluorescence	
1525		NO SAMPLE	
1528	100	Sandstone: as above	
1531	90	Sandstone: as above	
	10	Siltstone: Reddish brown to medium dark grey, dominantly argillaceous, hydrated in part, firm to moderately hard, non-calcareous, sub-blocky	
1534	85	Sandstone: as above	
	15	Siltstone: as above	
1537	85	Sandstone: as above	
	15	Siltstone: as above	
1543	60	Sandstone: Light to medium grey, translucent to clear quartz grains, dominantly moderately hard silica cemented very fine to fine grained aggregates, trace calcareous cement, 5-10% fine to medium poorly consolidated sub-angular to sub-rounded quartz grains, occasional fractured grains, very poor visual porosity, poor inferred porosity. No fluorescence	1 st 6m sample
	40	Siltstone: Medium grey to medium dark grey, dominantly argillaceous, 5% arenaceous grading to silty sandstone, thinly interlaminated with sandstone, moderately hard to hard, micro-micaceous, non-calcareous, sub-fissile to fissile	

Depth (m)	%	Lithology	Remarks
1549	60	Sandstone: as above	
	40	Siltstone: as above	
1555	60	Sandstone: as above	
	40	Siltstone : as above	
1561	40	Sandstone: as above	
	60	Siltstone : as above	
1567	60	Sandstone: as above	
	40	Siltstone: as above	
1573	60	Sandstone: Light to medium grey, translucent to clear quartz grains, dominantly moderately hard silica cemented very fine to fine grained aggregates, trace calcareous cement, 5-10% fine to medium poorly consolidated sub-angular to sub-rounded quartz grains, occasional fractured grains, thin siltstone laminae, very poor visual porosity, poor inferred porosity. No fluorescence	
	40	Siltstone: Medium grey to medium dark grey, dominantly arenaceous grading to silty sandstone, thinly interlaminated with sandstone, moderately hard to hard, micro-micaceous, non-calcareous, sub-fissile to fissile	
1579	30	Sandstone: light to medium grey, translucent to transparent quartz grains, predominantly moderately hard, 5% unconsolidated medium to occasionally fine grains, aggregates predominantly fine grained, sub-rounded to sub-angular, strong siliceous cement, 2-5% kaolinic matrix, very poor visible porosity, poor inferred porosity, no fluorescence.	
	70	Siltstone: as above.	
1585	40	Sandstone: as above	
	60	Siltstone: as above.	
1591	60	Sandstone: light to medium grey, translucent to transparent quartz grains, predominantly moderately hard to hard very fine to medium aggregates, 20% unconsolidated medium to occasionally coarse grains, common fractured quartz, sub-rounded to sub-angular, moderately to poorly sorted, strong siliceous cement, trace to 3% kaolinic matrix, trace dark maf minerals, very poor visible porosity, poor inferred porosity, no fluorescence.	
	40	Siltstone: medium grey to dark grey, dominantly arenaceous and grading to Silty Sandstone, thinly interlaminated with Sandstone, moderately hard to hard, micro-micaceous, non-calcareous, sub-fissile to fissile.	
1597	80	Sandstone: as above.	
	20	Siltstone: as above.	
1603	80	Sandstone: as above.	
	20	Siltstone: as above.	
1609	50	Sandstone: light to medium light grey, predominantly very hard aggregates, trace unconsolidated medium quartz grains, very fine to fine, rare medium, sub-rounded to sub-angular, moderately to poorly sorted, predominantly siliceous cement, trace calcareous cement, trace dark mafic minerals, common silty partings, commonly interlaminated with Siltstone, very poor visible porosity, no fluorescence.	
	50	Siltstone: as above.	

Depth (m)	%	Lithology	Remarks
1615	50	Sandstone: as above.	
	50	Siltstone: as above.	
1621	60	Sandstone: as above.	
	40	Siltstone: as above.	
1627	50	Sandstone: as above	
	50	Siltstone: as above	
1633	50	Sandstone: light grey to medium light grey, transparent to translucent, predominantly very hard, trace unconsolidated medium to coarse quartz grains, very fine to medium aggregates, predominantly sub-rounded to sub-angular, unconsolidated fraction rounded to sub-rounded, moderately to poorly sorted, predominantly siliceous cement, trace calcareous cement, trace to 3% kaolinitic matrix, trace dark mafic mineral, finely interlaminated with Siltstone, very poor visible porosity, no fluorescence.	
	50	Siltstone: dark grey to greyish black, predominantly arenaceous, grading to silty Sandstone in part, thinly interbedded with Sandstone, hard to very hard, micromicaceous, 20% very fine quartz, non-calcareous, sub-fissile to fissile.	
1639	70	Sandstone: light grey to medium light grey, translucent to transparent, 50% hard to very hard, 50% unconsolidated, predominantly very fine to fine, rare medium to coarse, moderately sorted aggregates, poorly sorted unconsolidated fraction, sub-rounded to sub-angular, siliceous cement, rare quartz overgrowths, trace disseminated micro-pyrite, trace dark mafic mineral, interlaminated with Siltstone, very poor visible porosity, poor inferred porosity, no fluorescence.	
	30	Siltstone: as above.	
1645	90	Sandstone: as above.	
	10	Siltstone: as above.	
1651	99	Sandstone: predominantly transparent, translucent unconsolidated quartz grains, rare moderately hard light grey aggregates, fine to medium grained, rare coarse grained, sub-angular, poorly sorted, siliceous cement, trace pyritic cement, poor inferred porosity, no fluorescence.	
	1	Siltstone: as above.	
1657	98	Sandstone: as above.	
	2	Siltstone: as above.	
1663	100	Sandstone: transparent, translucent, predominantly unconsolidated, predominantly fine to medium grained, moderately sorted, siliceous cement, trace pyritic cement, poor to fair inferred porosity, no fluorescence.	
	Trace	Siltstone: as above.	
1669	100	Sandstone: Light grey to light olive grey, translucent, clear and rare frosted quartz grains, trace smoky quartz, dominantly disaggregated grains, trace fractured grains, transparent, translucent, fine to medium grained, moderately sorted, siliceous cement, trace pyritic cement, poor visual, poor to fair inferred porosity, no fluorescence.	
	Tr	Siltstone: dark grey to greyish black, predominantly arenaceous, grading to silty Sandstone in part, thinly	

Depth (m)	%	Lithology	Remarks
		interbedded with Sandstone, hard to very hard, micro-micaceous, 20% silty quartz, non-calcareous, sub-fissile to fissile.	
1675	100	Sandstone: Light grey to light olive grey, translucent to clear and rare frosted quartz grains, predominantly disaggregated quartz grains, fine to dominantly medium grained, 2-3% medium to coarse, sub-angular to angular, moderate sorting, siliceous cement, trace pyritic cement, non-calcareous, nil visible matrix, very poor visual porosity, poor inferred porosity.	30% Fluor: dim pale yellow to orange spotted. Slow dim cut, moderate pale yellow ring residue.
1681	100	Sandstone: as above	25% Fluor a/a
1687	100	Sandstone: as above	10% Fluor a/a
1693	100	Sandstone: as above. Free brownish-black light oil in sample. 100% moderately bright pale blue fluorescence. Instant milky cut fluorescence. Thin bright bluish white film residue.	Free oil in sample
1699	100	Sandstone: as above. Free brownish-black light oil in sample 100% moderately bright pale blue fluorescence. Instant milky cut fluorescence. Thin bright bluish white film residue	Free oil in sample
1705	100	Sandstone: as above. Fluorescence as above. No free oil observed	10% fluor as per 1675 m
NOTE : Fluor described above from 1669-1705 m is likely to be contamination. At this depth, the RCD packer was lubricated and pipe joints were doped externally prior to slide drilling through the packer.			
1711	100	Sandstone: Light grey to light olive grey, translucent to clear and rare frosted quartz grains, predominantly disaggregated quartz grains, fine to dominantly medium grained, 2-3% medium to coarse, sub-angular to angular, moderate sorting, siliceous cement, siliceous overgrowths, trace fractured quartz grains, trace pyritic cement, non-calcareous, nil visible matrix, very poor visual porosity, poor inferred porosity.	
1717	100	Sandstone: as above.	Fluorescence contamination
1723	100	Sandstone: light grey to light olive grey, predominantly unconsolidated translucent to transparent quartz grains, rare frosted quartz, 2% friable aggregates, fine to predominantly medium grained, 2% coarse grained, sub-angular to angular, moderately sorted, siliceous cement, trace pyritic cement, common siliceous overgrowths, nil to 5% kaolinitic matrix, very poor visible and inferred porosity, Fluorescence contamination as above.	
1729	100	Sandstone: as above.	
1735	98	Sandstone: light grey, light olive grey, translucent to transparent, rare frosted quartz grains, predominantly unconsolidated, 2% moderately hard aggregates, predominantly medium grained, rare fine and coarse grained, sub-angular to angular, rare rounded to sub-rounded, moderately to poor sorted, siliceous cement trace pyritic cement, common quartz overgrowths, nil to trace kaolinitic matrix, very poor to poor visible and inferred porosity, no	

Depth (m)	%	Lithology	Remarks
		fluorescence.	
	2	Siltstone: medium grey to dark grey, arenaceous, micro-micaceous, hard to very hard, interlaminated and grading to Siltstone Sandstone, sub-fissile.	
1741	100	Sandstone: light grey, light olive grey, translucent to transparent, rare frosted quartz grains, predominantly unconsolidated, 3% friable to moderately hard aggregates, predominantly fine to medium grained, rare coarse grained, sub-angular to angular, rare rounded to sub-rounded, moderately to poor sorted, siliceous cement trace pyritic cement, common quartz overgrowths, nil to trace kaolinitic matrix, very poor to poor visible and inferred porosity, no fluorescence.	
1747	100	Sandstone: light grey, light olive grey, translucent to transparent, rare frosted quartz grains, predominantly unconsolidated, 10% friable to moderately hard aggregates, predominantly fine to medium grained, rare coarse grained, sub-angular to angular, rare rounded to sub-rounded, moderately to poor sorted, siliceous cement trace pyritic cement, common quartz overgrowths, nil to trace kaolinitic matrix, trace pyrite nodules, very poor to poor visible and inferred porosity, no fluorescence.	
1753	100	Sandstone: light grey to light olive grey, translucent to transparent, rare frosted, predominantly unconsolidated, trace friable aggregates, very fine to medium, rare coarse, sub-angular to angular, moderately to poor sorted, siliceous cement, trace pyrite cement, common quartz overgrowths, nil matrix, common fractured quartz grains, rare pyrite fragments, very poor inferred porosity, no fluorescence.	
1759	100	Sandstone: as above.	
1765	98	Sandstone: light grey to light olive grey, translucent to transparent, rare frosted, 60% unconsolidated, 40% friable to moderately hard aggregates, fine to coarse, sub-angular to angular, poor sorted, siliceous cement, trace kaolinitic matrix, common quartz overgrowths, common fractured quartz, minor pyrite fragments, very poor inferred and visible porosity, no hydrocarbon fluorescence	RCD packer lubricant fluorescence through tray. (sliding)
	2	Siltstone: medium light grey to medium grey, moderately hard, dominantly arenaceous grading to silty/very fine sandstone, micro-micaceous, non-calcareous, thinly interlaminated with sandstone, sub-blocky to sub-fissile.	
1771	100	Sandstone: light grey to light olive grey, translucent to transparent, rare frosted, 2-3% reddish yellow oxide stained quartz grains, 40% disaggregated fine to medium quartz, 60% moderately hard silica cemented aggregates (very fine to coarse), sub-angular to angular, common fractured quartz, poorly sorted, trace kaolinitic matrix, common quartz overgrowths, minor pyrite fragments, very poor inferred and visible porosity, no hydrocarbon fluorescence	
1777	100	Sandstone: light grey to light olive grey, translucent to transparent, rare frosted, 60% unconsolidated, 40% friable to moderately hard aggregates, fine to coarse, sub-angular to	

Depth (m)	%	Lithology	Remarks
		angular, poor sorted, siliceous cement, trace kaolinitic matrix, common quartz overgrowths, common fractured quartz, minor pyrite fragments, very poor inferred and visible porosity, no hydrocarbon fluorescence	
1783	80	Sandstone: as above	
	20	Siltstone: as above	
1789	80	Sandstone: as above	
	20	Siltstone: medium dark grey to dark grey, moderately hard, dominantly arenaceous grading to silty/very fine sandstone, micro-micaceous, non-calcareous, thinly interlaminated with sandstone, sub-blocky to sub-fissile.	
1795	100	Sandstone: light grey to light olive grey, translucent to transparent, 70% disaggregated fine to medium quartz, 30% moderately hard silica cemented aggregates (very fine to coarse), sub-angular to angular, common fractured quartz, poorly sorted, trace kaolinitic matrix in fine aggregates, common quartz overgrowths, occasional pyrite cement and pyrite nodules/fragments, very poor inferred and visible porosity, no hydrocarbon fluorescence	
1801	100	Sandstone: as above, trace yellowish orange stained quartz grains, no fluorescence.	
1807	90	Sandstone: as above.	
	10	Siltstone: medium dark grey to dark grey, trace light brown, moderately hard to hard, dominantly arenaceous, grading to silty/very fine Sandstone, micro-micaceous, non-calcareous, thinly interlaminated with Sandstone, sub-blocky to sub-fissile.	
1813	95	Sandstone: as above	
	5	Siltstone: as above.	
1819	98	Sandstone: light grey to light olive grey, translucent to transparent, 80% disaggregated fine to medium quartz, rare coarse quartz, 20% moderately hard, silica cemented aggregates, (very fine to coarse), sub-angular to angular, common fractured grains, moderately to poor sorted, trace kaolinitic matrix, fine aggregates, common quartz overgrowths, rare pyrite nodules/fragments, very poor visible and inferred porosity, no fluorescence.	
	2	Siltstone: as above.	
1825	100	Sandstone: as above.	
1831	98	Sandstone: light grey, light olive grey, transparent to translucent, 80% disaggregated fine to coarse quartz, 40% moderately hard siliceous cemented aggregates (very fine to medium with rare coarse), sub-angular to angular, common fractured grains, moderately to porosity sorted, trace kaolinitic matrix with finer aggregates, common quartz overgrowths, minor pyrite nodules/fragments, very poor visible and inferred porosity, no fluorescence.	
	2	Siltstone: as above.	
1837	95	Sandstone: as above.	
	5	Siltstone: medium grey, occasionally dark grey, hard arenaceous, micro-micaceous, grading to silty/very fine Sandstone, non-calcareous, thinly interlaminated with	

Depth (m)	%	Lithology	Remarks
		Sandstone.	
1843	95	Sandstone: as above.	
	5	Siltstone: as above.	
1849	90	Sandstone: light grey, light olive grey, transparent, translucent, 20% disaggregated fine to medium, rare coarse, quartz, 80% moderately hard silica cemented aggregates (very fine to medium), sub-angular to angular, common fractured grains, moderately sorted, trace kaolinitic matrix, common quartz overgrowths, rare pyrite nodules/fragments, very poor visible and inferred porosity, no fluorescence.	
	10	Siltstone: as above.	
1855	70	Sandstone: light grey, translucent, transparent quartz, 20% disaggregated fine to medium, rare coarse grained, 80% very fine to fine moderately hard aggregates, sub-angular to angular, siliceous cement, trace to 5% kaolinitic matrix, trace brown biotite, common quartz overgrowths, rare pyrite nodules/fragments, very poor visible/inferred porosity, no fluorescence.	
	30	Siltstone: medium grey to dark grey, moderately hard to hard, arenaceous, micro-micaceous, grading to silty/very fine Sandstone, thinly interlaminated with Sandstone, sub-blocky to sub-fissile.	
1861	90	Sandstone: as above.	
	10	Siltstone: as above.	
1867	80	Sandstone: as above.	
	20	Siltstone: as above.	
1873	80	Sandstone: light grey, light olive grey, translucent to transparent, moderately hard to hard, very fine to medium, rare coarse, moderately to well sorted, sub-angular to angular, siliceous cement, trace to 5% kaolinitic matrix, trace localised greyish orange stained aggregates, common quartz overgrowths, trace brown biotite laths, rare pyrite nodules/fragments, very poor visible porosity, no fluorescence.	
	20	Siltstone: medium grey to dark grey, moderately hard to hard, arenaceous, micro-micaceous, grading to and finely interlaminated with silty/very fine Sandstone, sub-blocky to sub-fissile.	
1879	90	Sandstone: light grey, light olive grey, translucent to transparent, moderately hard to hard, predominantly very fine to fine, grading to arenaceous Siltstone, rare medium to coarse, well sorted, sub-angular to angular, siliceous cement, trace to 5% kaolinitic matrix, trace localised greyish orange stained aggregates, common quartz overgrowths, trace brown biotite laths, rare pyrite nodules/fragments, very poor visible porosity, no fluorescence.	Becoming finer, g/t aren sltst
	10	Siltstone: as above.	
1885	95	Sandstone: Light grey to light olive grey, translucent to clear quartz grains, 40% disaggregated fine to medium to occasionally coarse grains, sub-angular to angular, occasional fractured grains, moderate sorting, 40% very fine to fine grained silica cemented aggregates with silica	

Depth (m)	%	Lithology	Remarks
		overgrowths, hard, 2-5% white kaolinitic matrix, localised pyrite cement and nodules, non-calcareous, no fluorescence, very poor visual porosity.	
	5	Siltstone: as above	
1891	95	Sandstone: as above	
	5	Siltstone: medium grey to dark grey, moderately hard to hard, arenaceous, micro-micaceous, grading to and finely interlaminated with silty/very fine Sandstone, non-calcareous, sub-blocky to sub-fissile.	
1897	100	Sandstone: as above	
		Sandstone: as above	
1903	100	Sandstone: as above	
		Sandstone: as above	
1909	100	Sandstone: Light grey to light olive grey, translucent to clear quartz grains, 60-90% disaggregated fine to medium to occasionally coarse grains, sub-angular to angular, occasional fractured grains, moderate sorting, 10-40% very fine to fine grained silica cemented aggregates with silica overgrowths, hard, 2-5% white kaolinitic matrix, localised pyrite cement and nodules, non-calcareous, no fluorescence, very poor visual porosity.	
1915	100	As above	
1921	100	Sandstone: Light grey to light olive grey, translucent to clear quartz grains, disaggregated medium to coarse grains, sub-angular to angular, common fractured grains and granules, moderate sorting, silica cement and overgrowths evident, hard, rare visible clay matrix, localised pyrite cement and nodules, non-calcareous, no fluorescence, very poor visual porosity.	Wiper Trip 1924 m
1927	100	Sandstone: light grey, light olive grey, translucent to transparent quartz grains, 95% disaggregated fine to coarse grains, sub-angular to angular, common fractured grains, moderately to poor sorted, siliceous cement with quartz overgrowths, 5% hard aggregates, rare clay matrix, locally pyrite cement and nodules, non-calcareous, very poor inferred and visible porosity, no fluorescence.	
1933	100	Sandstone: as above.	
1939	100	Sandstone: light grey, light olive grey, translucent to transparent quartz grains, 70% disaggregated, 30% moderately hard to hard aggregates, fine to coarse, sub-angular to angular, moderately to poor sorted, common fractured grains, siliceous cement with quartz overgrowths, rare clay matrix, localised pyrite cement and nodules, non-calcareous, very poor inferred and visible porosity, no fluorescence.	
	Trace	Siltstone: medium grey to dark grey, moderately hard to hard, arenaceous, micro-micaceous, interlaminated with silty/very fine Sandstone, trace disseminated micro-pyrite, sub-blocky to sub-fissile.	
1945	100	Sandstone: as above.	
	Trace	Siltstone: as above.	
1951	100	Sandstone: predominantly transparent to translucent	

Depth (m)	%	Lithology	Remarks
		disaggregated quartz, trace light grey to light olive grey moderately hard aggregates, fine to coarse, sub-angular to angular, poor sorted, common fractured grains, siliceous cement as quartz overgrowths, trace pyrite cement, non-calcareous, very poor inferred porosity, no fluorescence.	
1957	100	Sandstone: as above, rare pyrite cement/nodules, no fluorescence.	
1963	100	Sandstone: as above, no fluorescence.	
1969	100	Sandstone: as above, no fluorescence.	
1975	100	Sandstone: as above, no fluorescence.	
1981	100	Sandstone: light grey to light olive grey, predominantly transparent to translucent disaggregated fine to medium grained quartz, 10% moderately hard fine grained aggregates, fine to coarse, sub-angular to angular, poor sorted, common fractured grains, siliceous cement as quartz overgrowths, pyrite cement, pyrite infills of micro-fractures evident, non-calcareous, very poor inferred porosity, no fluorescence.	
1987	100	Sandstone: as above, no fluorescence.	Tr reddish brown clay ?
1993	100	Sandstone: as above, no fluorescence.	
1999	100	Sandstone: as above, no fluorescence.	
2005	100	Sandstone: as above, no fluorescence.	
2011	95	Sandstone: as above, no fluorescence.	
2011	5	Siltstone: medium grey to dark grey, moderately hard to hard, arenaceous, micro-micaceous, interlaminated with silty/very fine Sandstone, trace disseminated micro-pyrite, sub-blocky to sub-fissile.	
2017	100	Sandstone: as above, no fluorescence.	
2023	100	Sandstone: light grey to light olive grey, predominantly transparent to translucent disaggregated fine to medium grained quartz, 10% moderately hard fine grained aggregates, fine to coarse, sub-angular to angular, poorly sorted, common fractured grains, siliceous cement as quartz overgrowths, pyrite cement, pyrite infills of micro-fractures evident, non-calcareous, very poor inferred porosity, no fluorescence.	
2029	100	Sandstone: as above, no fluorescence.	
2035	100	Sandstone: as above, no fluorescence.	
2041	100	Sandstone: light olive grey to medium light grey, predominantly transparent to translucent disaggregated fine to medium grained quartz, occasional medium to coarse quartz, 5-10% moderately hard fine grained cemented aggregates, sub-angular to angular, moderate sorting, sorted, common fractured grains, siliceous cement as quartz overgrowths, pyrite cement, pyrite infills of micro-fractures evident, non-calcareous, very poor inferred porosity, no fluorescence.	
2047	100	Sandstone: as above, no fluorescence.	
2053	100	Sandstone: as above, no fluorescence.	
2059	100	Sandstone: as above, no fluorescence.	
2065	100	Sandstone: light olive grey, medium grey, predominantly	

Depth (m)	%	Lithology	Remarks
		transparent to translucent, disaggregated medium to coarse grained, occasionally fine grained quartz, trace fine grained moderately hard to hard aggregates, sub-angular to angular, moderately sorted, common fractured grains, siliceous cement as quartz overgrowths, pyrite cement commonly as infills of healed microfractures, non-calcareous, very poor inferred porosity, no fluorescence.	
2071	100	Sandstone: predominantly fine to medium, rare coarse grained,	
2077	100	Sandstone: light olive grey, medium light grey, predominantly transparent to translucent, predominantly disaggregated fine to medium with rare coarse grained quartz, trace hard silica cemented fine grained aggregates, sub-angular to angular, moderately to well sorted, common fractured grains, siliceous cement as overgrowths, trace pyrite cement, trace pyrite nodular/fragments, pyrite infills of micro-fractures evident, non-calcareous, very poor inferred porosity, no fluorescence.	
	Trace	Siltstone: medium grey to dark grey, moderately hard to hard, arenaceous, micro-micaceous, interlaminated with silty/very fine Sandstone, trace disseminated micro-pyrite, sub-blocky to sub-fissile.	
2083	100	Sandstone: as above.	
2089	100	Sandstone: as above.	
2095	100	Sandstone: light olive grey, medium light grey, predominantly translucent to transparent, disaggregated fine to medium, rare coarse grains, 30% fine grained moderately hard to hard aggregates, sub-angular to angular, moderately to well sorted, common fractured grains, silica cement, common quartz overgrowths, trace pyrite cement and nodules, trace pyritic infills of micro-fractures, non-calcareous, very poor inferred and visible porosity, no fluorescence.	
2101	100	Sandstone: as above, no fluorescence.	
	Trace	Siltstone: as above.	
2107	100	Sandstone: as above, no fluorescence.	
	Trace	Siltstone: as above.	
2113	100	Sandstone: light olive grey, medium light grey, predominantly translucent to transparent, 30% disaggregated fine to medium with rare coarse grains, 70% predominantly fine grained friable to moderately hard aggregates, sub-angular to angular, generally well sorted, common fractured grains, siliceous cement as overgrowths, rare pyrite cement, poor pyrite as infills of micro-fractures, non-calcareous, very poor visible and inferred porosity, no fluorescence.	
	Trace	Siltstone: as above.	
2119	100	Sandstone: as above, no fluorescence.	
2125	100	Sandstone: as above, no fluorescence.	
2131	100	Sandstone: as above, no fluorescence.	
2137	100	Sandstone: light olive grey, medium light grey, translucent, transparent, 10% disaggregated fine to medium grained with rare coarse grains, 90% predominantly fine grained friable aggregates, sub-angular to angular, generally well sorted, common fractured grains, siliceous cement commonly as	

Depth (m)	%	Lithology	Remarks
		quartz overgrowths, rare pyrite cement, trace clay matrix, trace pyrite infills of micro-fractures, non-calcareous, very poor inferred and visible porosity, no fluorescence.	
2143	100	Sandstone: as above, no fluorescence	
2149	100	Sandstone: as above, no fluorescence	
2155	100	Sandstone: light olive grey, medium light grey, translucent, transparent, 80% disaggregated very fine to fine quartz grains, with 5% medium to coarse grains, 20% predominantly very fine to fine grained silica cemented aggregates, friable to firm, sub-angular to angular, generally well sorted, common fractured coarse grains, rare pyrite cement, trace clay matrix, non-calcareous, very poor inferred and visible porosity, no fluorescence.	
2161	100	Sandstone: as above, no fluorescence	
2167	100	Sandstone: as above, no fluorescence	
2173	100	Sandstone: as above, no fluorescence	
2179	100	Sandstone: as above, no fluorescence	
2185	100	Sandstone: light olive grey, medium light grey, translucent, transparent, 80% disaggregated fine quartz grains, with 5% medium to coarse grains, 20% predominantly very fine to fine grained silica cemented aggregates, firm to moderately hard, sub-angular to angular, well sorted, occasional fractured coarse grains, localised pyrite cement and nodules, trace kaolinitic matrix, occasional silty micro-laminae, occasional silty and carbonaceous lithic grains, non-calcareous, very poor visible and inferred porosity, no fluorescence.	
2191	100	As above, no fluorescence	
2197	100	As above, no fluorescence	
2203	100	As above, no fluorescence	
2209	100	As above, no fluorescence	
2215	100	Sandstone: light olive grey, medium light grey, translucent, transparent, 60% disaggregated very fine to fine quartz grains, with 5% medium to coarse grains, 40% predominantly very fine to fine grained silica cemented aggregates, firm to moderately hard, sub-angular to angular, well sorted, occasional fractured coarse grains, localised pyrite cement and nodules, trace kaolinitic matrix, occasional silty micro-laminae, occasional silty and carbonaceous lithic grains, non-calcareous, very poor visible and inferred porosity, no fluorescence.	
2221	100	Sandstone: light olive grey, medium light grey, translucent, transparent, 80% disaggregated very fine to fine quartz with 5% medium to coarse grains, 20% friable to moderately hard aggregates, sub-angular to angular, well sorted, occasional fractured grains, siliceous cement, locally pyrite cement, trace kaolinitic matrix, minor pyrite nodules, trace silty and carbonaceous lithic grains, non-calcareous, very poor visible and inferred porosity, no fluorescence.	
2227	100	Sandstone: as above, 15% medium to coarse, no fluorescence.	
2233	100	Sandstone: as above, no fluorescence.	
2239	100	Sandstone: light olive grey, medium light grey, translucent,	

Depth (m)	%	Lithology	Remarks
		transparent, 80% disaggregated very fine to fine quartz with 5% medium to coarse grains, 20% friable to moderately hard aggregates, sub-angular to angular, well sorted, occasional fractured grains, siliceous cement, locally pyrite cement, trace kaolinitic matrix, minor pyrite nodules, trace silty and carbonaceous lithic grains, non-calcareous, very poor visible and inferred porosity, no fluorescence.	
2245	100	Sandstone: as above, 90% disaggregated, 10% friable aggregates, no fluorescence.	
2251	100	Sandstone: as above, no fluorescence.	
2257	100	Sandstone: light olive grey medium light grey, transparent, translucent, 30% disaggregated very fine to fine with 15% medium to coarse grains, 30% predominantly very fine to friable to moderately hard silica cemented aggregates, sub-angular to angular, moderately to well sorted, occasionally fractured grains, siliceous cement, trace pyrite nodules, trace silty and carbonaceous lithic material, non-calcareous, very poor visible and inferred porosity, no fluorescence.	
2263	100	Sandstone: as above, no fluorescence.	
2269	100	Sandstone: light olive grey medium light grey, transparent, translucent, 30% disaggregated very fine to fine with 20% medium to coarse grains, 30% predominantly very fine to friable to moderately hard silica cemented aggregates, sub-angular to angular, coarser fraction sub-rounded to rounded, moderately to well sorted, occasionally fractured grains, siliceous cement, trace pyrite nodules, trace silty and carbonaceous lithic material, non-calcareous, very poor visible and inferred porosity, no fluorescence.	
2275	100	Sandstone: as above, no fluorescence.	
2281	100	Sandstone: light olive grey, medium light grey, translucent, transparent, 40% disaggregated very fine to medium with 5% coarse grains, generally poor sorted, 60% friable to moderately hard well sorted silica cemented aggregates, sub-rounded to angular, sub-rounded to rounded loose fraction, occasionally fractured grains, siliceous cement, locally pyrite cement, trace kaolinite matrix, trace carbonaceous lithic material, trace silty micro-laminations, non-calcareous, very poor visible and inferred porosity, no fluorescence.	
2287	100	Sandstone: as above, common silty micro-laminations, no fluorescence.	
2293	100	Sandstone: light olive grey, medium light grey to medium grey, translucent, transparent, 40% disaggregated very fine to medium with 5% coarse grains, generally poor sorted, 60% friable to moderately hard well sorted silica cemented aggregates, sub-rounded to angular, sub-rounded to rounded loose fraction, occasionally fractured grains, siliceous cement, locally pyrite cement, trace kaolinite matrix, trace carbonaceous lithic material, common silty micro-laminations and laminations, non-calcareous, very poor visible and inferred porosity, no fluorescence.	
2299	100	Sandstone: light olive grey, medium light grey to medium grey, translucent, transparent, 20% disaggregated fine to	

Depth (m)	%	Lithology	Remarks
		medium with rare coarse grains, moderately sorted, 80% friable to moderately hard well sorted siliceous cemented aggregates, sub-angular to angular, occasionally fractured grains, siliceous cement, locally pyrite cement, trace kaolinitic matrix, rare silty laminations / micro-laminations, trace carbonaceous lithics, non-calcareous, very poor visible and inferred porosity, no fluorescence.	
2305	100	Sandstone: as above, common silty micro-laminations, no fluorescence.	
2311	100	Sandstone: light olive grey, medium light grey to medium grey, translucent, transparent, 40% disaggregated very fine to medium with 5% coarse grains, generally poor sorted, 60% friable to moderately hard well sorted silica cemented very fine to fine aggregates, sub-rounded to angular, sub-rounded to rounded loose fraction, occasional fractured grains, siliceous cement, locally pyrite cement, trace kaolinite matrix, trace carbonaceous lithic material, common silty micro-laminations and laminations, non-calcareous, very poor visible and inferred porosity, no fluorescence.	
2317	95	Sandstone: as above, common silty micro-laminations, no fluorescence.	
	5	Siltstone: Brownish grey to medium-dark grey, moderately hard, predominantly arenaceous grading to silty sandstone, generally disposed as micro-laminae in sandstone, micromicaceous, micro-pyritic, non-calcareous, sub-fissile.	
2323	95	Sandstone: as above, common silty micro-laminations, no fluorescence	
	5	Siltstone: as above	
2329	100	Sandstone: light olive grey, medium light grey to medium grey, translucent, transparent, 20% disaggregated very fine to medium with 5% coarse grains, generally poor sorted, 80% firm to moderately hard well sorted silica cemented very fine to fine aggregates, sub-rounded to angular, sub-rounded loose fraction, occasional fractured grains, siliceous cement, locally pyrite cement and infills in coarser grains, 5-10% kaolinitic matrix, trace carbonaceous lithic material, common silty micro-laminations, non-calcareous, very poor visible and inferred porosity, no fluorescence.	
2335	100	Sandstone: as above, no fluorescence	
2341	100	Sandstone: as above, no fluorescence	
2347	100	Sandstone: as above, no fluorescence	
2353	100	Sandstone: as above, no fluorescence	
2359	100	Sandstone: Medium light grey to light olive grey, translucent to transparent quartz grains, 90% disaggregated very fine to medium with 5% coarse grains, generally moderate sorting, 10% firm to moderately hard well sorted silica cemented very fine to fine aggregates, sub-rounded to angular, sub-rounded loose fraction, occasional fractured grains, siliceous cement, locally pyrite cement and infills in coarser grains, 5-10% kaolinitic matrix, trace carbonaceous lithic material, common silty micro-laminations, non-calcareous, very poor visible and inferred porosity, no fluorescence.	

