

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Surface altitudes were levelled using a Topcon GTS-210 total station and tied to bench marks. In a few instances this was not possible due to changes in landuse; surface altitude of these cores, marked ‘*’, refers to LiDAR elevation data. All bed thickness measurements are taken from the surface. Sediments are massive unless otherwise indicated.

Core: A1		
N: 51° 27.762'	W :002° 47.826'	Surface altitude (m OD): 7.227
Bed Thickness (m)	Description	
>1.19	Red brown silty sandy topsoil	

Core: A2		
N: 51° 27.749'	E: 002° 47.820'	Surface altitude (m OD): 6.354
Bed Thickness (m)	Description	
0.40	Red brown silty sandy topsoil. Gradational boundary	
0.08	Grey clay, lenses of coarse sand. Sharp boundary	
0.06	Greyish brown clay. Sharp boundary	
0.07	Light yellowish brown silty sandy clay. Sharp boundary	
>0.23	Yellowish red stony (flint) silty clay, poorly sorted	

Core: A3		
N: 51° 27.737'	W: 002° 47.812'	Surface altitude (m OD): 5.635
Bed Thickness (m)	Description	
0.17	Red brown silty sandy topsoil. Gradational boundary	
0.12	Red clayey silt. Gradational boundary	
0.05	Dark brown peaty clay. Gradational boundary	
0.06	Dark grey clayey silt. Sharp boundary	
0.05	Dark brown peaty clay. Gradational boundary	
0.04	Grey sandy clayey silt. Gradational boundary	
0.13	Light grey clayey silt. Gradational boundary	
0.29	Pale brown fine sand. Gradational boundary	
>0.07	Yellowish red silty sand	

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Core: A4		
N: 51° 27.724'	W: 002° 47.803'	Surface altitude (m OD): 5.255
Bed Thickness (m)	Description	
0.18	Red brown silty sandy topsoil. Sharp boundary	
0.10	Light grey clay. Sharp boundary	
0.42	Peat. Sharp boundary	
0.48	Bluish grey sandy clay with woody plant remains. Sharp boundary	
>0.08	Light brownish grey sand	
Core: A5		
N: 51° 27.712'	W: 002° 47.793'	Surface altitude (m OD): 5.222
Bed Thickness (m)	Description	
0.36	Red brown silty sandy topsoil. Sharp boundary	
0.06	Bluish grey clay. Sharp boundary	
0.06	Dark brown peaty clay. Sharp boundary	
0.24	Dark brown peaty clay, orange mottles. Gradational boundary	
0.11	Peat. Sharp boundary	
0.32	Very dark brown silty clay. Sharp boundary	
>0.06	Bluish grey clay	
Core: A6		
N: 51° 27.703'	W: 002° 47.780'	Surface altitude (m OD): 5.203
Bed Thickness (m)	Description	
0.30	Red brown silty sandy topsoil. Sharp boundary	
0.10	Dark bluish grey clay with orange and blue mottles. Sharp boundary	
0.09	Very dark grey clay. Gradational boundary	
0.28	Dark yellowish brown sandy clay with rootlets. Gradational boundary	
0.31	Black peaty clay with fine rootlets. Sharp boundary	
>0.08	Dark greenish grey clay	
Core: A7		
N: 51° 27.758'	W: 002° 47.846'	Surface altitude (m OD): 7.087
Bed Thickness (m)	Description	
>0.76	Red brown silty sandy topsoil	

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Core: A8		
N: 51° 27.746'	W: 002° 47.838'	Surface altitude (m OD): 6.264
Bed Thickness (m)	Description	
0.36	Red brown silty sandy topsoil. Gradational boundary	
0.45	Very pale brown silt with orange mottles. Gradational boundary	
>0.81	Orangish red silt becoming clayey with occasional stones and vertical grey and red streaks	
Core: A9		
N: 51° 27.732'	W: 002° 47.832'	Surface altitude (m OD): 5.744
Bed Thickness (m)	Description	
0.18	Red brown silty sandy topsoil. Gradational boundary	
0.12	Light grey silty clay. Gradational boundary	
0.48	Light yellowish brown sand with shell fragments. Sharp boundary	
0.44	Red sandy silt, becoming sandier towards base. Gradational boundary	
>0.36	Reddish yellow sandy silt	
Core: A10		
N: 51° 27.720'	W: 002° 47.826'	Surface altitude (m OD): 5.265
Bed Thickness (m)	Description	
0.38	Reddish brown clayey silty topsoil. Sharp boundary	
0.24	Grey clay. Sharp boundary	
0.52	Peat. Sharp boundary	
>0.24	Grey silty sand	
Core: A11		
N: 51° 27.707'	W: 002° 47.818'	Surface altitude (m OD) 5.169
Bed Thickness (m)	Description	
0.16	Reddish brown clayey silt. Sharp boundary	
0.26	Olive brown clayey silt with orange mottles. Sharp boundary	
>2.12	Peat	

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Core: A12		
N: 51° 27.694'	W: 002° 47.810'	Surface altitude (m OD): 5.106
Bed Thickness (m)	Description	
0.28	Red brown sandy silt. Sharp boundary	
0.06	Dark reddish grey clayey silt. Sharp boundary	
0.51	Peat. Sharp boundary	
>0.55	Very dark grey coarse sand	
Core: A13		
N: 51° 27.690'	W: 002° 47.806'	Surface altitude (m OD): 5.183
Bed Thickness (m)	Description	
0.16	Dark reddish brown sandy silt. Sharp boundary	
>0.03	Very dark grey silty coarse sand	
Core: A14		
N: 51° 27.753'	W: 002° 47.866'	Surface altitude (m OD): 7.266
Bed Thickness (m)	Description	
0.80	Red brown silty topsoil. Gradational boundary	
0.10	Brown silty sand. Sharp boundary	
>0.09	Yellowish brown silty sand	
Core: A15		
N: 51° 27.741'	W: 002° 47.853'	Surface altitude (m OD): 6.154
Bed Thickness (m)	Description	
>0.35	Red brown sandy silty topsoil with manganese nodules	
Core: A16		
N: 51° 27.727'	W: 002° 47.853'	Surface altitude (m OD): 5.712
Bed Thickness (m)	Description	
0.47	Red brown clayey silt. Gradational boundary	
0.09	Greenish grey clayey silt. Sharp boundary	
0.19	Peat. Sharp boundary	
0.53	Very dark grey peaty clayey silt with roots. Sharp boundary	
>0.82	Light brown becoming strong brown fine sand containing plant fragments and angular stones, including flint fragments	

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Core: A17		
N: 51° 27.715'	W: 002° 47.846'	Surface altitude (m OD): 5.498
Bed Thickness (m)	Description	
0.36	Red brown silty sand. Gradational boundary	
0.37	Grey clayey silt with orange mottles and manganese nodules. Sharp boundary	
0.61	Very dark brown woody peat. Sharp boundary	
0.24	Dark reddish grey clay containing large wood fragment. Sharp boundary	
>0.01	Grey Clayey silt	
Core: A18		
N: 51° 27.703'	W: 002° 47.838'	Surface altitude (m OD): 5.306
Bed Thickness (m)	Description	
0.32	Red brown sandy silt. Sharp boundary	
0.12	Reddish brown clayey silt. Sharp boundary	
0.06	Dark brown clayey silt. Sharp boundary	
>0.78	Very woody peat	
Core: A19		
N: 51° 27.691'	E: 002° 47.832'	Surface altitude (m OD): 5.160
Bed Thickness (m)	Description	
0.22	Red brown clayey silt. Sharp boundary	
0.16	Grey clayey silt with orange mottles containing roots. Sharp boundary	
0.04	Very dark grey peaty clayey silt. Boundary unclear	
0.90	Peat. Gradational boundary	
>0.07	Dark grey silty sand	
Core: B1		
N: 51° 27.721'	W: 002° 47.899'	Surface altitude (m OD): 5.525
Bed Thickness (m)	Description	
0.29	Reddish brown sandy silt. Sharp boundary	
0.24	Greenish grey clayey silt with orange mottles. Sharp boundary	
0.36	Dark reddish brown clayey silt, slightly peaty. Sharp boundary	
0.26	Light brownish grey sand. Sharp boundary	
0.35	Brown fine sand. Sharp boundary	
>0.36	Yellowish red sand with rare stones (flint)	

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Core: B2		
N: 51° 27.710'	W: 002° 47.891'	Surface altitude (m OD): 5.359
Bed Thickness (m)	Description	
0.31	Dark reddish brown clayey silt. Sharp boundary	
0.12	Greenish grey clay with orange mottles. Sharp boundary	
>0.76	Woody peat	
Core: B3		
N: 51° 27.697'	W: 002° 47.884'	Surface altitude (m OD): 5.033
Bed Thickness (m)	Description	
0.23	Dark reddish brown silty sand. Gradational boundary	
0.25	Very dark grey silt, peaty. Sharp boundary	
1.01	Peat. Sharp boundary	
>0.05	Very dark grey peaty sand	
Core: B4		
N: 51° 27.683'	W: 002° 47.876'	Surface altitude (m OD): 5.116
Bed Thickness (m)	Description	
0.20	Dark reddish brown clayey silt. Sharp boundary	
0.15	Very dark grey peaty silty clay. Sharp boundary	
>1.26	Peat	
Core: B5		
N: 51° 27.670'	W: 002° 47.870'	Surface altitude (m OD): 5.098
Bed Thickness (m)	Description	
0.19	Dark reddish brown clayey silt. Sharp boundary	
0.15	Very dark grey peaty clayey silt. Sharp boundary	
0.03	Strong brown silt. Sharp boundary	
>1.78	Peat	

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Core: B6		
N: 51° 27.658'	W: 002° 47.861'	Surface altitude (m OD): 5.053
Bed Thickness (m)	Description	
0.26	Peat. Sharp boundary	
0.13	Very dark grey peaty clayey sand. Sharp boundary	
>1.50	Peat	
Core: B7		
N: 51° 27.717'	W: 002° 47.920'	Surface altitude (m OD): 5.677
Bed Thickness (m)	Description	
0.20	Red brown sandy silt. Sharp boundary	
0.30	Greenish grey clayey silt with orange mottles. Sharp boundary	
0.49	Peat. Sharp boundary	
0.21	Light brownish grey very fine sand. Sharp boundary	
>0.27	Red stony silt	
Core: B8		
N: 51° 27.705'	W: 002° 47.910'	Surface altitude (m OD): 5.396
Bed Thickness (m)	Description	
0.17	Dark reddish brown clayey silt. Sharp boundary	
0.29	Greenish grey clayey silt with orange mottles. Sharp boundary	
0.47	Peat. Sharp boundary	
0.06	Reddish brown clayey silt. Sharp boundary	
>0.81	Woody peat	
Core: B9		
N: 51° 27.691'	W: 002° 47.902'	Surface altitude (m OD): 5.165
Bed Thickness (m)	Description	
0.16	Dark reddish brown clayey silt. Sharp boundary	
0.26	Very dark greenish grey clay with orange mottles. Sharp boundary	
>1.78	Peat	

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Core: B10		
N: 51° 27.679'	W: 002° 47.898'	Surface altitude (m OD): 5.191
Bed Thickness (m)	Description	
0.30	Dark reddish brown clayey silt. Sharp boundary	
2.18	Peat. Sharp boundary	
>0.11	Very dark grey peaty coarse sand	
Core: B11		
N: 51° 27.666'	W: 002° 47.894'	Surface altitude (m OD): 5.125
Bed Thickness (m)	Description	
0.20	Dark reddish brown clayey silt. Sharp boundary	
1.63	Peat. Sharp boundary	
>0.73	Grey peaty sand	
Core: B12		
N: 51° 27.654'	W: 002° 47.892'	Surface altitude (m OD): 4.918
Bed Thickness (m)	Description	
0.13	Dusky red silty sandy topsoil. Sharp boundary	
>2.63	Peat	
Core: B13		
N: 51° 27.710'	W: 002° 47.941'	Surface altitude (m OD): 5.518
Bed Thickness (m)	Description	
0.28	Dark reddish brown clayey silt. Sharp boundary	
0.20	Grey green clayey silt with orange mottles. Sharp boundary	
0.17	Very dusky red clayey silt. Sharp boundary	
1.09	Peat. Sharp boundary	
>0.30	Pale brown very fine sand	

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Core: B14		
N: 51° 27.699'	W: 002° 47.938'	Surface altitude (m OD): 5.311
Bed Thickness (m)	Description	
0.37	Dark reddish grey clayey silt with dark orange mottles. Sharp boundary	
1.71	Peat. Sharp boundary	
>0.21	Very dark grey peaty sand	
Core: B15		
N: 51° 27.683'	W: 002° 47.934'	Surface altitude (m OD): 5.141
Bed Thickness (m)	Description	
0.21	Dark reddish brown clayey silt. Sharp boundary	
0.14	Grey green clayey silt with orange mottles. Sharp boundary	
1.68	Peat. Sharp boundary	
>0.13	Grey peaty sand	
Core: B16		
N: 51° 27.674'	W: 002° 47.923'	Surface altitude (m OD): 5.155
Bed Thickness (m)	Description	
0.39	Dark reddish brown clayey silt. Sharp boundary	
>1.98	Peat	
Core: B17		
N: 51° 27.661'	W: 002° 47.917'	Surface altitude (m OD): 5.045
Bed Thickness (m)	Description	
2.46	Peat. Sharp boundary	
>0.23	Pale brown coarse sand with shell fragments	
Core: B18		
N: 51° 27.706'	W: 002° 47.963'	Surface altitude (m OD): 5.347
Bed Thickness (m)	Description	
2.28	Peat. Sharp boundary	
0.08	Grey peaty sand. Sharp boundary	
0.34	Light yellowish brown very fine sand. Sharp boundary	
>0.38	Reddish yellow sandy silt	

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Core: B19		
N: 51° 27.691'	W: 002° 47.954'	Surface altitude (m OD): 5.341
Bed Thickness (m)	Description	
0.34	Dark reddish brown silt. sharp boundary	
0.57	Peat. Sharp boundary	
0.03	Dark greyish brown clayey silt with dark orange mottles. Sharp boundary	
>1.53	Peat	
Core: B20		
N: 51° 27.679'	W: 002° 47.948'	Surface altitude (m OD): 5.134
Bed Thickness (m)	Description	
0.18	Dark reddish brown sandy silt. Sharp boundary	
1.90	Peat. Sharp boundary	
>0.43	Very dark grey peaty coarse sand	
Core: B21		
N: 51° 27.667'	E: 002° 47.948'	Surface altitude (m OD): 5.088
Bed Thickness (m)	Description	
0.31	Dark reddish brown sandy silt. Sharp boundary	
2.28	Peat. Sharp boundary	
>0.09	Grey fine sand	
Core: B22		
N: 51° 27.654'	W: 002° 47.936'	Surface altitude (m OD): 5.050
Bed Thickness (m)	Description	
2.75	Peat. Sharp boundary	
>0.15	Grey fine sand	
Core: B23		
N: 51° 27.716'	W: 002° 47.986'	Surface altitude (m OD): 5.533
Bed Thickness (m)	Description	
0.88	Green grey clayey silt with orange mottles. Sharp boundary	
>1.37	Peat	

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Core: B24		
N: 51° 27.702'	W: 002° 47.982'	Surface altitude (m OD): 5.336
Bed Thickness (m)	Description	
0.28	Dark reddish brown clayey silt. Sharp boundary	
1.04	Peat	
0.07	Not recovered	
>0.79	Peat	
Core: B25		
N: 51° 27.691'	W: 002° 47.975'	Surface altitude (m OD): 5.345
Bed Thickness (m)	Description	
0.31	Dark reddish brown clayey silt. Sharp boundary	
1.83	Peat. Sharp boundary	
>0.15	Black sandy peat	
Core: B26		
N: 51° 27.676'	W: 002° 47.972'	Surface altitude (m OD): 5.124
Bed Thickness (m)	Description	
0.31	Dark reddish brown clayey silt. Sharp boundary	
0.66	Peat	
0.03	Not recovered	
1.35	Peat. Sharp boundary	
>0.10	Grey fine sand	
Core: B27		
N: 51° 27.661'	W: 002° 47.963'	Surface altitude (m OD): 5.045
Bed Thickness (m)	Description	
0.23	Red brown sandy silt. Sharp boundary	
>2.70	Peat	
Core: B28		
N: 51° 27.649'	W: 002° 47.959'	Surface altitude (m OD): 5.013
Bed Thickness (m)	Description	
2.58	Peat. Sharp boundary	
>0.22	Grey very fine sand	

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Core: B29		
N: 51° 27.720'	W: 002° 47.988'	Surface altitude (m OD): 5.567
Bed Thickness (m)	Description	
0.40	Green grey clayey silt with orange mottles. Sharp boundary	
>0.07	Peat	
Core: B30		
N: 51° 27.720'	W: 002° 47.963'	Surface altitude (m OD): 5.575
Bed Thickness (m)	Description	
0.22	Dark reddish brown silty sand. Sharp boundary	
0.46	Greenish grey clayey silt with orange mottles. Sharp boundary	
>0.62	Peat	
Core: B31		
N: 51° 27.717'	W: 002° 47.947'	Surface altitude (m OD): 5.637
Bed Thickness (m)	Description	
0.17	Reddish brown silty sand. Sharp boundary	
0.18	Greenish grey clayey silt. Sharp boundary	
1.35	Peat. Sharp boundary	
0.06	Light yellowish brown very fine sand. Sharp boundary	
>0.16	Red silty sand containing shell fragments	
Core: B32		
N: 51° 27.721'	W: 002° 47.923'	Surface altitude (m OD): 5.804
Bed Thickness (m)	Description	
0.38	Reddish brown silty sand. Sharp boundary	
0.46	Greenish grey clayey silt with orange mottles. Sharp boundary	
>0.13	Light yellowish brown very fine sand	
Core: B33		
N: 51° 27.727'	W: 002° 47.903'	Surface altitude (m OD): 5.860
Bed Thickness (m)	Description	
>0.31	Reddish brown sandy silt	

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Core: C1		
N: 51° 27.715'	W: 002° 48.014'	Surface altitude (m OD): 5.383
Bed Thickness (m)	Description	
>0.18	Dark brown sandy silt	
Core: C2		
N: 51° 27.702'	W: 002° 48.009'	Surface altitude (m OD): 5.318
Bed Thickness (m)	Description	
0.44	Dark reddish brown sandy silt, locally very stony. Sharp boundary	
0.65	Peat	
0.18	Not recovered	
0.14	Peat	
0.21	Not recovered	
0.96	Peat. Sharp boundary	
0.07	Dark grey peaty coarse sand. Sharp boundary	
>0.13	Light brown fine sand	
Core: C3		
N: 51° 27.687'	W: 002° 48.005'	Surface altitude (m OD): 5.249
Bed Thickness (m)	Description	
0.28	Dark reddish brown sandy silt. Sharp boundary	
>2.01	Peat	
Core: C4		
N: 51° 27.675'	W: 002° 48.001'	Surface altitude (m OD): 5.173
Bed Thickness (m)	Description	
0.35	Dark reddish brown sandy silt. Sharp boundary	
>2.18	Peat	

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Core: C5		
N: 51° 27.661'	W: 002° 47.998'	Surface altitude (m OD): 5.110
Bed Thickness (m)	Description	
0.30	Dark reddish brown sandy silt. Sharp boundary	
1.80	Peat	
0.30	Not recovered	
0.16	Peat. Sharp boundary	
>0.20	Grey fine sand	
Core: C6		
N: 51° 27.649'	W: 002° 47.996'	Surface altitude (m OD): 4.993
Bed Thickness (m)	Description	
0.27	Dark reddish brown sandy silt. Sharp boundary	
1.53	Peat	
0.12	Not recovered	
0.92	Peat. Sharp boundary	
>0.24	Grey becoming brown fine sand, coarsening downwards. Rare stones. Fine rootlets throughout	
Core: C7		
N: 51° 27.643'	W: 002° 47.993'	Surface altitude (m OD): 5.019
Bed Thickness (m)	Description	
0.49	Dark reddish brown sandy silt. Sharp boundary	
2.09	Peat. Sharp boundary	
0.03	Bluish grey silty clay. Sharp boundary	
0.09	Light brownish grey very fine sand. Sharp boundary	
0.07	Very dark greyish brown silty clay. Sharp boundary	
>0.27	Greyish brown clayey sand, coarsening downwards	

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Core: C8		
N: 51° 27.712'	W: 002° 48.035'	Surface altitude (m OD): 5.435
Bed Thickness (m)	Description	
0.23	Dark reddish brown silt. Sharp boundary	
0.28	Greenish grey clayey silt with orange mottles. Sharp boundary	
1.40	Peat	
0.11	Not recovered	
0.22	Peat. Sharp boundary	
>0.23	Light yellowish brown fine sand, flint and rotten sandstone fragments	
Core: C9		
N: 51° 27.699'	W: 002° 48.030'	Surface altitude (m OD): 5.316
Bed Thickness (m)	Description	
0.28	Dark reddish brown sandy silt. Sharp boundary	
1.08	Peat	
0.12	Not recovered	
>0.55	Peat	
Core: C10		
N: 51° 27.686'	W: 002° 48.024'	Surface altitude (m OD): 5.256
Bed Thickness (m)	Description	
0.17	Dark reddish brown sandy silt. Sharp boundary	
2.16	Peat. Sharp boundary	
>0.02	Grey fine sand	
Core: C11		
N: 51° 27.673'	W: 002° 48.017'	Surface altitude (m OD): 5.128
Bed Thickness (m)	Description	
0.32	Dark reddish brown sandy silt. Sharp boundary	
1.54	Peat	
0.29	Not recovered	
>0.28	Peat	

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Core: C12		
N: 51° 27.659'	W: 002° 48.015'	Surface altitude (m OD): 5.086
Bed Thickness (m)	Description	
0.40	Reddish brown sandy silt. Sharp boundary	
2.50	Peat. Sharp boundary	
0.09	Dark greyish brown sandy silt. Sharp boundary	
>0.09	Grey fine sand	
Core: C13		
N: 51° 27.645'	W: 002° 48.008'	Surface altitude (m OD): 4.987
Bed Thickness (m)	Description	
0.20	Dark reddish brown sandy silt. Sharp boundary	
2.41	Peat. Sharp boundary	
0.02	Bluish grey marly silt. Sharp boundary	
0.09	Brown very fine sand. Sharp boundary	
0.05	Very dark grey silty clay. Sharp boundary	
>0.12	Light brown silt containing plant remains	
Core: C14		
N: 51° 27.640'	W: 002° 48.009'	Surface altitude (m OD): 4.922
Bed Thickness (m)	Description	
0.27	Dark reddish brown sandy silt. Sharp boundary	
2.21	Peat. Sharp boundary	
0.04	Light brownish grey silty clay	
0.10	Dark greyish brown fine sand containing plant remains. Sharp boundary	
0.03	Very dark greyish brown silty clay containing plant remains. Sharp boundary	
>0.27	Bluish grey and brown laminations of silty sand and fine sand containing fine rootlets	
Core: C15		
N: 51° 27.709'	W: 002° 48.055'	Surface altitude (m OD): 5.250
Bed Thickness (m)	Description	
0.29	Dusky red sandy silt. Sharp boundary	
0.42	Dark reddish brown clayey silt. Sharp boundary	
>1.01	Peat	

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Core: C16		
N: 51° 27.693'	W: 002° 48.051'	Surface altitude (m OD): 5.287
Bed Thickness (m)	Description	
0.28	Dark reddish brown sandy silt. Sharp boundary	
1.77	Peat. Sharp boundary	
>0.02	Black peaty medium sand	
Core: C17		
N: 51° 27.681'	W: 002° 48.045'	Surface altitude (m OD): 5.179
Bed Thickness (m)	Description	
0.66	Dark reddish brown sandy silt. Sharp boundary	
1.29	Peat. Sharp boundary	
0.07	Black peaty sand	
>0.48	Light reddish brown medium sand, occasional stones	
Core: C18		
N: 51° 27.665'	W: 002° 48.039'	Surface altitude (m OD): 5.152
Bed Thickness (m)	Description	
0.31	Dark reddish brown sandy silt. Sharp boundary	
2.15	Peat. Sharp boundary	
>0.04	Light brown fine sand	
Core: C19		
N: 51° 27.654'	W: 002° 48.035'	Surface altitude (m OD): 5.020
Bed Thickness (m)	Description	
0.32	Dark reddish brown silt. Sharp boundary	
2.57	Peat. Sharp boundary	
0.13	Light yellowish brown silt. Sharp boundary	
>0.04	Grey medium sand containing plant fragments	

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Core: C20		
N: 51° 27.638'	W: 002° 48.034'	Surface altitude (m OD): 4.961
Bed Thickness (m)	Description	
0.24	Dark reddish brown sandy silt. Sharp boundary	
2.50	Peat. Sharp boundary	
0.04	Light brownish grey silt. Sharp boundary	
0.04	Light brown sand	
0.04	Very dark greyish brown sandy silt. Sharp boundary	
0.06	Brown silty sand. Sharp boundary	
0.01	Bluish grey marly silt	
>0.23	Brown fine sand, fining upwards	
Core: C21		
N: 51° 27.720'	W: 002° 48.081'	Surface altitude (m OD): 5.479
Bed Thickness (m)	Description	
0.71	Dusky red sandy silt, becoming black. Sharp boundary	
>1.20	Peat	
Core: C22		
N: 51° 27.707'	W: 002° 48.078'	Surface altitude (m OD): 5.260
Bed Thickness (m)	Description	
0.40	Dusky red sandy silt. Sharp boundary	
1.63	Peat. Sharp boundary	
>0.05	Greyish brown medium sand	
Core: C23		
N: 51° 27.693'	W: 002° 48.076'	Surface altitude (m OD): 5.200
Bed Thickness (m)	Description	
0.23	Dusky red sandy silt. Sharp boundary	
1.76	Peat. Sharp boundary	
>0.50	Black peaty medium sand containing fragment of greyish brown sandstone	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: C24		
N: 51° 27.677'	W: 002° 48.073'	Surface altitude (m OD): 5.162
Bed Thickness (m)	Description	
0.43	Dark reddish brown sandy silt. Sharp boundary	
>1.63	Peat	
Core: C25		
N: 51° 27.663'	W: 002° 48.071'	Surface altitude (m OD): 5.036
Bed Thickness (m)	Description	
0.36	Dusky red sandy silt. Sharp boundary	
2.38	Peat. Sharp boundary	
>0.19	Grey medium sand	
Core: C26		
N: 51° 27.650'	W: 002° 48.069'	Surface altitude (m OD): 4.945
Bed Thickness (m)	Description	
0.41	Dusky red sandy silt. Sharp boundary	
2.12	Peat. Sharp boundary	
0.04	Very pale brown silt. Sharp boundary	
0.09	Dark brown fine sand. Sharp boundary	
0.12	Laminations of dark brown marly silt and light brownish grey organic-rich fine sand. Sharp boundary	
0.03	Grey medium sand	
>0.12	Black peaty sand, possibly contaminated	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: C27

N: 51° 27.636'

W: 002° 48.068'

Surface altitude (m OD): 4.907

Bed Thickness (m)

Description

0.16

Dark reddish brown sandy silt. Sharp boundary

2.27

Peat. Sharp boundary

0.02

Grey marly silt. Sharp boundary

0.05

Bluish grey marly clay. Sharp boundary

0.14

Light brownish grey to dark brown silt containing organic fragments. Sharp boundary

0.06

Light brownish grey fine sand containing organic fragments. Sharp boundary

0.02

Yellowish brown sandy silt containing organic fragments. Sharp boundary

0.04

Grey fine sand containing organic fragments. Sharp boundary

0.04

Yellowish brown sandy silt containing organic fragments. Sharp boundary

>0.11

Light brownish grey medium sand

Core: C28

N: 51° 27.628'

W: 002° 48.069'

Surface altitude (m OD): 4.932

Bed Thickness (m)

Description

2.49

Peat. Sharp boundary

0.04

Light bluish grey marly silt. Sharp boundary

0.09

Light brownish grey very fine sand. Sharp boundary

0.08

Very dark greyish brown sandy silt containing organic fragments. Sharp boundary

0.22

Light bluish grey becoming light olive brown sandy silt containing organic fragments. Sharp boundary

>0.06

Brown medium sand

Core: C29

N: 51° 27.720'

W: 002° 48.102'

Surface altitude (m OD): 5.434

Bed Thickness (m)

Description

0.89

Dark reddish brown sandy silt. Sharp boundary

>0.89

Peat

Core: C30

N: 51° 27.707'

W: 002° 48.102'

Surface altitude (m OD): 5.274

Bed Thickness (m)

Description

0.32

Dark reddish brown sandy silt. Sharp boundary

1.81

Peat. Sharp boundary

>0.04

Yellow medium sand

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: C31		
N: 51° 27.694'	W: 002° 48.104'	Surface altitude (m OD): 5.162
Bed Thickness (m)	Description	
0.22	Dark reddish brown sandy silt. Sharp boundary	
0.91	Peat	
0.22	Not recovered	
0.66	Peat. Sharp boundary	
0.10	Grey medium sand. Sharp boundary	
>0.58	Very pale brown becoming yellowish brown coarse sand, coarsening upwards. Contains rare small stones and shell fragments	
Core: C32		
N: 51° 27.679'	W: 002° 48.103'	Surface altitude (m OD): 5.120
Bed Thickness (m)	Description	
0.32	Dark reddish brown sandy silt. Sharp boundary	
>2.08	Peat	
Core: C33		
N: 51° 27.667'	W: 002° 48.103'	Surface altitude (m OD): 5.018
Bed Thickness (m)	Description	
0.36	Dark reddish brown sandy silt. Sharp boundary	
>2.11	Peat	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: C34

N: 51° 27.649'

Bed Thickness (m)

Bed Thickness (m)	Description	Surface altitude (m OD): 5.902
0.18	Dusky red sandy silt. Sharp boundary	
1.81	Peat. Sharp boundary	
0.06	Yellowish brown very fine sand containing many fine rootlets. Very 'spongy' texture. Sharp boundary	
0.32	Peat. Sharp boundary	
0.03	Dark yellowish brown fine sand. Sharp boundary	
0.29	Peat. Sharp boundary	
0.03	Very pale brown very fine sand. Sharp boundary	
0.11	Greyish brown becoming dark greyish brown silt. Sharp boundary	
0.02	Grey fine sand. Sharp boundary	
0.14	Laminations of grey silt with brown upward fining very fine sand containing plant fragments. Sharp boundary	
>0.06	Grey coarse sand	

Core: C35

N: 51° 27.638'

Bed Thickness (m)

Bed Thickness (m)	Description	Surface altitude (m OD): 4.898
0.26	Dark reddish brown sandy silt. Sharp boundary	
1.57	Peat	
0.44	Not recovered	
0.11	Peat. Sharp boundary	
0.05	Light grey silt. Sharp boundary	
0.14	Dark brown clayey silt. Sharp boundary	
0.26	Laminations of light olive brown silt and bluish grey fine sand containing very fine rootlets. Sharp boundary	
>0.10	Light yellowish brown medium sand containing fine rootlets and shell fragments	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: C36		
N: 51° 27.624'	W: 002° 48.098'	Surface altitude (m OD): 4.812
Bed Thickness (m)	Description	
2.49	Peat. Sharp boundary	
0.07	Light brownish grey marly silt containing plant fragments. Sharp boundary	
0.03	Grey marly silt containing plant fragments. Sharp boundary	
0.10	Greyish brown very fine sand containing plant fragments. Sharp boundary	
0.09	Dark brown silt containing abundant rootlets and plant fragments. Sharp boundary	
0.26	Light olive brown clayey silt containing very fine rootlets. Sharp boundary	
>0.03	Light yellowish brown medium sand containing very fine rootlets and shell fragments	
Core: D1		
N: 51° 27.722'	W: 002° 48.182'	Surface altitude (m OD): 5.711
Bed Thickness (m)	Description	
0.45	Brown silty sand. Sharp boundary	
0.23	Dark grey silt. Sharp boundary	
>0.82	Peat	
Core: D2		
N: 51° 27.706'	W: 002° 48.175'	Surface altitude (m OD): 5.180
Bed Thickness (m)	Description	
0.40	Dark reddish brown sandy silt. Sharp boundary	
1.22	Peat. Sharp boundary	
0.06	Dark grey clayey silt. Sharp boundary	
>0.26	Light yellowish brown fine sand	
Core: D3		
N: 51° 27.717'	W: 002° 48.221'	Surface altitude (m OD): 5.521
Bed Thickness (m)	Description	
0.65	Brown sandy silt. Sharp boundary	
0.15	Dark grey silt. Sharp boundary	
>0.44	Peat	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: D4 N: 51° 27.704' Bed Thickness (m) 0.41 0.91 0.18 0.32 >0.05	W: 002° 48.215' Description Brown sandy silt. Sharp boundary Peat Not recovered Peat. Sharp boundary Very dark grey very fine sand	Surface altitude (m OD): 5.243
Core: D5 N: 51° 27.721' Bed Thickness (m) >0.41	W: 002° 48.260' Description Peat	Surface altitude (m OD): 7.221
Core: D6 N: 51° 27.705' Bed Thickness (m) 0.88 >0.08	W: 002° 48.248' Description Peat. Sharp boundary Brown fine sand	Surface altitude (m OD): 5.570
Core: D7 N: 51° 27.720' Bed Thickness (m) >0.48	W: 002° 48.271' Description Peat	Surface altitude (m OD): 7.137
Core: D8 N: 51° 27.705' Bed Thickness (m) >1.46	W: 002° 48.268' Description Peat	Surface altitude (m OD): 5.657
Core: D9 N: 51° 27.703' Bed Thickness (m) >0.89	W: 002° 48.297' Description Peat	Surface altitude (m OD): 5.705

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: D10 N: 51° 27.695' Bed Thickness (m) >0.12	W: 002° 48.294' Description Peat	Surface altitude (m OD): 5.605
Core: E1 N: 51° 27.683' Bed Thickness (m) 1.97 >0.11	W: 002° 48.156' Description Peat. Sharp boundary Light reddish brown fine sand containing very small stones and shell fragments	Surface altitude (m OD): 4.972
Core: E2 N: 51° 27.671' Bed Thickness (m) 2.57 >0.04	W: 002° 48.149' Description Peat. Sharp boundary Grey coarse sand	Surface altitude (m OD): 4.862
Core: E3 N: 51° 27.660' Bed Thickness (m) 0.18 2.18 0.06 0.05 0.04 0.02 0.03 0.12 >0.12	W: 002° 48.142' Description Dark reddish brown sandy silt. sharp boundary Peat. Sharp boundary Dark greyish brown silt. Sharp boundary Very dark grey very fine sand. Sharp boundary Laminations of brown fine sand and grey silty sand containing plant fragments and rootlets. Sharp boundary Dark brown silty clay containing abundant plant fragments. Sharp boundary Greyish brown coarse sand. Sharp boundary Light yellowish brown upward coarsening very coarse sand containing small stones. Sharp boundary Pinkish grey stony upward coarsening fine sand with orange mottles. Contains very rotten shell fragments	Surface altitude (m OD): 4.853

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: E4		
N: 51° 27.645'	W: 002° 48.135'	Surface altitude (m OD): 4.840
Bed Thickness (m)	Description	
0.18	Dark reddish brown sandy silt. Sharp boundary	
2.29	Peat. Sharp boundary	
0.29	Dark greyish brown becoming light brownish grey organic-rich silt. Sharp boundary	
0.11	Brown organic-rich silt. Sharp boundary	
>0.05	Light brownish grey medium sand containing very fine rootlets	
Core: E5		
N: 51° 27.632'	W: 002° 48.128'	Surface altitude (m OD): 4.916
Bed Thickness (m)	Description	
2.49	Peat. Sharp boundary	
0.08	Light grey marly silt containing plant fragments. Sharp boundary	
0.15	Dark greyish brown becoming light brownish grey organic-rich silt. Sharp boundary	
0.32	Laminations of brown organic-rich silt with bluish grey silty sand	
>0.07	Light brownish grey medium sand containing fine rootlets	
Core: E6		
N: 51° 27.617'	W: 002° 48.122'	Surface altitude (m OD): 4.889
Bed Thickness (m)	Description	
2.34	Peat. Sharp boundary	
0.05	Light bluish grey marly silt containing plant fragments. Sharp boundary	
0.20	Greyish brown very fine sand containing plant fragments. Sharp boundary	
0.08	Brown organic-rich silt. Sharp boundary	
>0.24	Laminations of light yellowish brown organic-rich silt with light brownish grey silty clay	
Core: E7		
N: 51° 27.694'	W: 002° 48.173'	Surface altitude (m OD): 5.022
Bed Thickness (m)	Description	
1.97	Peat. Sharp boundary	
>0.50	Light brown becoming reddish yellow fine sand with rare angular stones	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: E8		
N: 51° 27.679'	W: 002° 48.167'	Surface altitude (m OD): 4.968
Bed Thickness (m)	Description	
1.96	Peat. Sharp boundary	
>0.26	Light brown medium sand with rare small stones	
Core: E9		
N: 51° 27.670'	W: 002° 48.162'	Surface altitude (m OD): 4.943
Bed Thickness (m)	Description	
2.09	Peat. Sharp boundary	
>0.15	Dark grey medium sand	
Core: E10		
N: 51° 27.656'	W: 002° 48.157'	Surface altitude (m OD): 4.843
Bed Thickness (m)	Description	
1.07	Peat	
0.41	Not recovered	
0.48	Peat. Sharp boundary	
0.02	Light yellowish brown organic-rich silt. Sharp boundary	
0.44	Peat. Sharp boundary	
0.08	Grey fine sand. Sharp boundary	
>0.19	Brown organic-rich fine sand	
Core: E11		
N: 51° 27.644'	W: 002° 48.153'	Surface altitude (m OD): 4.873
Bed Thickness (m)	Description	
2.63	Peat. Sharp boundary	
0.06	Light grey marly clay. Sharp boundary	
0.11	Dark greyish brown silty clay. Sharp boundary	
0.04	Dark brown organic-rich silt. Sharp boundary	
>0.32	Light brownish grey silt with reddish yellow mottles	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: E12		
N: 51° 27.631'	W: 002° 48.148'	Surface altitude (m OD): 4.907
Bed Thickness (m)	Description	
2.52	Peat. Sharp boundary	
0.05	Bluish grey marly silty clay. Sharp boundary	
0.19	Greyish brown becoming very dark greyish brown organic-rich upward fining fine to very fine sand containing fine rootlets. Sharp boundary	
>0.34	Light brownish grey organic-rich upward fining sand	
Core: E13		
N: 51° 27.619'	W: 002° 48.141'	Surface altitude (m OD): 4.874
Bed Thickness (m)	Description	
2.44	Peat. Sharp boundary	
0.06	Bluish grey marly silt. Sharp boundary	
0.09	Greyish brown silt. Sharp boundary	
0.03	Grey very fine sand. Sharp boundary	
0.07	Very dark greyish brown organic-rich silt. Sharp boundary	
0.23	Light olive brown organic-rich upward fining silty sand. Sharp boundary	
>0.12	Greyish brown very fine sand	
Core: E14		
N: 51° 27.611'	W: 002° 48.133'	Surface altitude (m OD): 4.886
Bed Thickness (m)	Description	
1.96	Peat	
0.30	Not recovered	
0.43	Peat. Sharp boundary	
0.03	Bluish grey marly clayey silt. Sharp boundary	
0.14	Greyish brown very fine sand containing plant fragments. Sharp boundary	
0.12	Very dark greyish brown organic-rich very fine sand. Sharp boundary	
>0.28	Light olive brown organic-rich silt	
Core: E15		
N: 51° 27.692'	W: 002° 48.209'	Surface altitude (m OD): 5.014
Bed Thickness (m)	Description	
1.49	Peat. Sharp boundary	
>0.32	Very dark grey peaty coarse sand containing plant fragments	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: E16 N: 51° 27.678' Bed Thickness (m) >2.08	W: 002° 48.202' Description Peat	Surface altitude (m OD): 5.009
Core: E17 N: 51° 27.667' Bed Thickness (m) 2.35 0.06 >0.40	W: 002° 48.194' Description Peat. Sharp boundary Grey clay. Sharp boundary Dark greyish brown medium sand	Surface altitude (m OD): 5.010
Core: E18 N: 51° 27.653' Bed Thickness (m) 2.71 >0.34	W: 002° 48.187' Description Peat. Sharp boundary Greyish brown silty clay	Surface altitude (m OD): 4.948
Core: E19 N: 51° 27.641' Bed Thickness (m) 2.51 0.04 0.11 >0.20	W: 002° 48.176' Description Peat. Sharp boundary Greyish brown silt. Sharp boundary Very dark grey organic-rich silt. Sharp boundary Greyish brown organic-rich silty clay	Surface altitude (m OD): 4.945

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: E20		
N: 51° 27.628'	W: 002° 48.168'	Surface altitude (m OD): 4.874
Bed Thickness (m)	Description	
2.53	Peat. Sharp boundary	
0.03	Grey silt. Sharp boundary	
0.01	Bluish grey organic rich silt. Sharp boundary	
0.10	Dark greyish brown silt. Sharp boundary	
0.05	Very dark greyish brown silty sand. Sharp boundary	
0.17	Greyish brown organic-rich silt with yellowish red mottles. Sharp boundary	
0.14	Light olive brown organic-rich silt. Sharp boundary	
>0.01	Greyish brown medium sand	
Core: E21		
N: 51° 27.615'	W: 002° 48.161'	Surface altitude (m OD): 4.941
Bed Thickness (m)	Description	
2.47	Peat. Sharp boundary	
0.15	Dark greyish brown silt with rootlets. Sharp boundary	
0.06	Very dark greyish brown organic-rich silt. Sharp boundary	
>0.25	Greyish brown organic-rich silt	
Core: E22		
N: 51° 27.599'	W: 002° 48.151'	Surface altitude (m OD): 4.925
Bed Thickness (m)	Description	
2.41	Peat. Sharp boundary	
0.06	Bluish grey clay. Sharp boundary	
0.16	Dark greyish brown silt containing plant fragments. Sharp boundary	
0.06	Dark brown organic-rich silt. Sharp boundary	
0.19	Brown organic-rich silt. Sharp boundary	
0.14	Light olive brown organic-rich clay. Sharp boundary	
0.01	Grey medium sand. Sharp boundary	
>0.05	Light olive brown organic-rich clay	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: F1 N: 51° 27.680' Bed Thickness (m) >2.18	W: 002° 48.225' Description Peat	Surface altitude (m OD): 5.122
Core: F2 N: 51° 27.667' Bed Thickness (m) 2.04 0.05 >0.11	W: 002° 48.216' Description Peat. Sharp boundary Dark grey silty sand. Sharp boundary Grey coarse sand, coarsening upwards	Surface altitude (m OD): 5.039
Core: F3 N: 51° 27.654' Bed Thickness (m) 2.66 0.05 >0.19	W: 002° 48.207' Description Peat. Sharp boundary Dark greyish brown silt. Sharp boundary Very dark greyish brown peaty silt	Surface altitude (m OD): 5.004
Core: F4 N :51° 27.641' Bed Thickness (m) 2.46 0.08 0.07 0.25 >0.02	W: 002° 48.202' Description Peat. Sharp boundary Greyish brown clay. Sharp boundary Dark greyish brown organic-rich silt. Sharp boundary Light brownish grey organic-rich silt. Sharp boundary Brown coarse sand	Surface altitude (m OD): 4.928
Core: F5 N: 51° 27.627' Bed Thickness (m) 2.42 0.02 0.10 >0.30	W: 002° 48.191' Description Peat. Sharp boundary Grey silt. sharp boundary Greyish brown organic-rich silt. Sharp boundary Light brownish grey organic-rich silt	Surface altitude (m OD): 4.946

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: F6		
N: 51° 27.616'	W: 002° 48.185'	Surface altitude (m OD): 4.930
Bed Thickness (m)	Description	
2.48	Peat. Sharp boundary	
0.06	Light grey silt. Sharp boundary	
0.13	Light brownish grey silt. Sharp boundary	
0.06	Brown sandy silt with rootlets. Sharp boundary	
0.17	Light yellowish brown organic-rich silt. Sharp boundary	
>0.08	Light olive brown organic-rich silt	
Core: F7		
N: 51° 27.604'	W: 002° 48.177'	Surface altitude (m OD): 4.941
Bed Thickness (m)	Description	
2.44	Peat. Sharp boundary	
0.04	Bluish grey clayey silt. Sharp boundary	
0.16	Greyish brown becoming dark grey silt containing some plant fragments and rootlets. Sharp boundary	
0.08	Brown silt. Sharp boundary	
>0.13	Light brownish grey organic-rich silt	
Core: F8		
N: 51° 27.677'	W: 002° 48.247'	Surface altitude (m OD): 5.137
Bed Thickness (m)	Description	
>1.98	Peat	
Core: F9		
N: 51° 27.663'	W: 002° 48.242'	Surface altitude (m OD): 5.091
Bed Thickness (m)	Description	
2.41	Peat. Sharp boundary	
>0.09	Grey clayey silt	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: F10		
N: 51° 27.651'	W: 002° 48.233'	Surface altitude (m OD): 5.001
Bed Thickness (m)	Description	
2.71	Peat. Sharp boundary	
0.10	Grey clayey silt. Sharp boundary	
0.06	Very dark grey organic-rich silt with rare stones. Sharp boundary	
0.13	Olive brown organic-rich silt. Sharp boundary	
>0.08	Dark grey medium sand containing rootlets	
Core: F11		
N: 51° 27.638'	W: 002° 48.226'	Surface altitude (m OD): 4.995
Bed Thickness (m)	Description	
2.63	Peat. Sharp boundary	
0.01	Light grey marly clay. Sharp boundary	
0.17	Dark greyish brown silt containing rootlets. Sharp boundary	
0.18	Yellowish brown organic-rich silt. Sharp boundary	
>0.01	Grey medium sand	
Core: F12		
N: 51° 27.625'	W: 002° 48.219'	Surface altitude (m OD): 4.957
Bed Thickness (m)	Description	
2.47	Peat. Sharp boundary	
0.33	Greyish brown clayey silt containing rootlets. Sharp boundary	
0.12	Light olive brown organic-rich silt. Sharp boundary	
>0.01	Greyish brown fine sand	
Core: F13		
N: 51° 27.613'	W: 002° 48.211'	Surface altitude (m OD): 4.986
Bed Thickness (m)	Description	
2.48	Peat. Sharp boundary	
0.13	Grey clayey silt. Sharp boundary	
0.05	Dark grey silt containing rootlets. Sharp boundary	
0.08	Grey silt with plant fragments. Sharp boundary	
0.33	Light olive brown organic-rich silt. Sharp boundary	
>0.08	Greyish brown fine sand containing rootlets	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: F14		
N: 51° 27.601'	W: 002° 48.205'	Surface altitude (m OD): 5.026
Bed Thickness (m)	Description	
2.57	Peat. Sharp boundary	
0.03	Light bluish grey clayey silt. Sharp boundary	
0.10	Greyish brown silt containing rootlets. Sharp boundary	
0.11	Dark greyish brown silt with plant fragments. Sharp boundary	
>0.26	Light olive brown organic-rich silt	
Core: F15		
N: 51° 27.672'	W: 002° 48.269'	Surface altitude (m OD): 5.132
Bed Thickness (m)	Description	
>2.34	Peat	
Core: F16		
N: 51° 27.661'	W: 002° 48.269'	Surface altitude (m OD): 5.131
Bed Thickness (m)	Description	
>2.58	Peat	
Core: F17		
N: 51° 27.648'	W: 002° 48.262'	Surface altitude (m OD): 5.038
Bed Thickness (m)	Description	
2.54	Peat. Sharp boundary	
0.08	Dark greyish brown silt containing rootlets. Sharp boundary	
0.16	Very dark greyish brown organic-rich silt. Sharp boundary	
0.04	Black peaty coarse sand. Sharp boundary	
>0.26	Greyish brown coarse sand	
Core: F18		
N: 51° 27.635'	W: 002° 48.252'	Surface altitude (m OD): 5.001
Bed Thickness (m)	Description	
2.79	Peat. Sharp boundary	
0.16	Light brownish grey silt. sharp boundary	
0.05	Very dark greyish brown organic-rich silt. Sharp boundary	
0.33	Greyish brown upward coarsening well sorted coarse sand containing rare round stones and common shell fragments. Sharp boundary	
>0.03	Bluish grey very fine sand	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: F19		
N: 51° 27.622'	W: 002° 48.244'	Surface altitude (m OD): 4.985
Bed Thickness (m)	Description	
2.51	Peat. Sharp boundary	
0.09	Greyish brown silt containing rootlets. Sharp boundary	
0.07	Dark brown organic-rich silt containing rootlets. Sharp boundary	
0.05	Grey silt containing rootlets. Sharp boundary	
0.21	Light olive brown organic-rich silt. Sharp boundary	
>0.01	Light brownish grey fine sand	
Core: F20		
N: 51° 27.610'	W: 002° 48.235'	Surface altitude (m OD): 4.935
Bed Thickness (m)	Description	
2.45	Peat. Sharp boundary	
0.04	Light grey marly clayey silt containing rootlets. Sharp boundary	
0.08	Greyish brown silt containing plant fragments. Sharp boundary	
0.16	Very dark greyish brown organic-rich silt. Sharp boundary	
0.12	Light brownish grey organic-rich silt. Sharp boundary	
0.20	Light olive brown organic-rich silt. Sharp boundary	
>0.14	Grey upward coarsening very fine to medium sand containing shell fragments	
Core: F21		
N: 51° 27.599'	W: 002° 48.226'	Surface altitude (m OD): 4.954
Bed Thickness (m)	Description	
2.67	Peat. Sharp boundary	
0.05	Light grey marly clayey silt containing rootlets. Sharp boundary	
0.13	Greyish brown silt containing plant fragments. Sharp boundary	
0.05	Very dark greyish brown organic-rich silt. Sharp boundary	
>0.26	Light olive brown organic-rich silt	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: F22		
N: 51° 27.586'	W: 002° 48.217'	Surface altitude (m OD): 5.032
Bed Thickness (m)	Description	
2.52	Peat. Sharp boundary	
0.08	Light grey marly clayey silt containing rootlets. Sharp boundary	
0.17	Greyish brown sit containing plant fragments. Sharp boundary	
0.12	Very dark greyish brown organic-rich silt. Sharp boundary	
>0.23	Light olive brown organic-rich silt	
Core: G1		
N: 51° 27.670'	W: 002° 48.321'	Surface altitude (m OD): 5.176
Bed Thickness (m)	Description	
>2.14	Peat	
Core: G2		
N: 51° 27.657'	W: 002° 48.315'	Surface altitude (m OD): 5.178
Bed Thickness (m)	Description	
2.38	Peat. Sharp boundary	
>0.10	Dark grey fine sand	
Core: G3		
N: 51° 27.645'	W: 002° 48.306'	Surface altitude (m OD): 5.112
Bed Thickness (m)	Description	
2.55	Peat. Sharp boundary	
0.09	Very dark grey silt. Sharp boundary	
>0.23	Peat	
Core: G4		
N: 51° 27.633'	W: 002° 48.297'	Surface altitude (m OD): 5.104
Bed Thickness (m)	Description	
2.54	Peat. Sharp boundary	
0.11	Greyish brown silt containing rootlets. Sharp boundary	
0.15	Very dark greyish brown organic-rich silt. Sharp boundary	
0.12	Light olive brown organic-rich silt. Sharp boundary	
>0.07	Greyish brown upward coarsening medium to coarse sand containing shell fragments	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: G5		
N: 51° 27.621'	W: 002° 48.288'	Surface altitude (m OD): 5.055
Bed Thickness (m)	Description	
2.53	Peat. Sharp boundary	
0.08	Greyish brown clayey silt containing rootlets. Sharp boundary	
0.16	Dark greyish brown organic-rich silt. Sharp boundary	
0.27	Olive brown organic-rich silt. Sharp boundary	
>0.12	Dark brown clayey silt	
Core: G6		
N: 51° 27.608'	W: 002° 48.279'	Surface altitude (m OD): 5.077
Bed Thickness (m)	Description	
2.57	Peat. Sharp boundary	
0.16	Greyish brown silty clay containing rootlets. Sharp boundary	
0.27	Very dark greyish brown organic-rich silt. Sharp boundary	
>0.32	Light olive brown organic-rich silt	
Core: G7		
N: 51° 27.595'	W: 002° 48.271'	Surface altitude (m OD): 5.034
Bed Thickness (m)	Description	
2.37	Peat. Sharp boundary	
0.07	Grey clay. Sharp boundary	
0.15	Light brownish grey silt containing rootlets. Sharp boundary	
0.10	Dark greyish brown silt containing plant fragments. Sharp boundary	
0.32	Light olive brown organic-rich silt. Sharp boundary	
0.10	Bluish grey medium sand. Sharp boundary	
>0.10	Pinkish grey medium sand	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: G8		
N: 51° 27.585'	W: 002° 48.261'	Surface altitude (m OD): 5.029
Bed Thickness (m)	Description	
2.50	Peat. Sharp boundary	
0.04	Light grey marly clay containing rootlets. Sharp boundary	
0.11	Light brownish grey clayey silt containing occasional plant fragments. Sharp boundary	
0.14	Dark greyish brown organic-rich silt. Sharp boundary	
0.32	Light olive brown organic-rich silt. Sharp boundary	
0.12	Bluish grey medium sand. Sharp boundary	
0.09	Pinkish grey very stony shelly medium sand. Sharp boundary	
0.18	Bluish grey matrix supported sandy gravel. Sharp boundary	
>0.20	Greyish brown clay	
Core: G9		
N: 51° 27.574'	W: 002° 48.250'	Surface altitude (m OD): 4.988
Bed Thickness (m)	Description	
2.52	Peat. Sharp boundary	
0.06	Light grey marly silty clay. Sharp boundary	
0.14	Light brownish grey silt containing rootlets. Sharp boundary	
0.14	Dark greyish brown sandy silt containing plant fragments. Sharp boundary	
>0.35	Light olive brown organic-rich silty clay	
Core: H1		
N: 51° 27.630'	W: 002° 48.015'	Surface altitude (m OD): 5.025
Bed Thickness (m)	Description	
2.42	Peat. Sharp boundary	
0.04	Light bluish grey marly clay containing rootlets. Sharp boundary	
0.08	Greyish brown silt. Sharp boundary	
0.08	Very dark grey silt containing rootlets. Sharp boundary	
0.24	Light olive brown organic-rich silt. Sharp boundary	
>0.16	Greyish brown well sorted fine sand	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H2

N: 51° 27.615'

Bed Thickness (m)

2.56
0.09
0.08
0.05
0.01
0.06
0.04
0.10
>0.07

W: 002° 48.005'

Description

Peat. Sharp boundary
Greyish brown silt containing rootlets. Sharp boundary
Very dark grey silt containing plant fragments. Sharp boundary
Grey clayey silt with common plant fragments. Sharp boundary
Bluish grey silt with abundant plant fragments. Sharp boundary
Grey clayey silt with common plant fragments. Sharp boundary
Light brownish grey silt containing plant fragments. Sharp boundary
Light olive brown silt containing abundant organic material. Sharp boundary
Light brownish grey well sorted medium sand containing plant fragments

Surface altitude (m OD): 5.012

Core: H3

N: 51° 27.605'

Bed Thickness (m)

2.47
0.06
0.12
0.18
0.19
0.34
0.01
0.17
0.05
0.14
>0.04

W: 002° 47.997'

Description

Peat. Sharp boundary
Bluish grey clay. Sharp boundary
Greyish brown very fine sandy silt containing rootlets. Sharp boundary
Very dark grey silt containing rootlets. Sharp boundary
Light olive brown organic-rich silt. Sharp boundary
Grey well sorted medium sand containing rootlets and shell fragments. Sharp boundary
Light grey marly clay. Sharp boundary
Grey well sorted fine sand. Sharp boundary
Grey marly clay. Sharp boundary
Grey marly clayey sand. Sharp boundary
Greenish grey clay

Surface altitude (m OD): 5.064

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H4		
N: 51° 27.593'	W: 002° 48.987'	Surface altitude (m OD): 4.967
Bed Thickness (m)	Description	
2.53	Peat. Sharp boundary	
0.08	Dark bluish grey clay. Sharp boundary	
0.11	Greyish brown silt containing rootlets. Sharp boundary	
0.10	Very dark grey silt containing plant fragments. Sharp boundary	
0.07	Greyish brown organic-rich silt. Sharp boundary	
0.21	Light olive brown organic-rich silt. Sharp boundary	
0.11	Grey well sorted upward fining very fine sand containing rootlets and shell fragments. Sharp boundary	
0.33	Light bluish grey upward coarsening very fine sand. Sharp boundary	
>0.12	Greenish grey very dense massive clay	
Core: H5		
N: 51° 27.575'	W: 002° 47.973'	Surface altitude (m OD): 4.979
Bed Thickness (m)	Description	
2.52	Peat. Sharp boundary	
0.08	Dark bluish grey clay. Sharp boundary	
0.11	Greyish brown silt containing rootlets. Sharp boundary	
0.02	Very dark grey silt containing plant fragments. Sharp boundary	
0.08	Grey silt containing plant fragments. Sharp boundary	
0.01	Dark greyish brown silt containing plant fragments. Sharp boundary	
0.09	Light olive brown organic-rich silt. Sharp boundary	
0.04	Grey clayey silt containing rootlets. Sharp boundary	
0.06	Brownish yellow organic-rich silt. Sharp boundary	
0.20	Grey stony medium sand. Sharp boundary	
>0.44	Light bluish grey very dense massive clay	
Core: H6		
N: 51° 27.563'	W: 002° 47.963'	Surface altitude (m OD): 5.020
Bed Thickness (m)	Description	
2.35	Peat. Sharp boundary	
0.08	Dark bluish grey clay. Sharp boundary	
0.14	Greyish brown very fine sandy silt containing rootlets. Sharp boundary	
0.10	Very dark grey organic-rich silt. Sharp boundary	
0.06	Grey silt containing rootlets. Sharp boundary	
>0.15	Light olive brown organic-rich silt	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H7		
N: 51° 27.551'	W: 002° 47.952'	Surface altitude (m OD): 5.032
Bed Thickness (m)	Description	
2.56	Peat. Sharp boundary	
0.06	Dark bluish grey clay. Sharp boundary	
0.06	Greyish brown sandy silt containing rootlets. Sharp boundary	
0.13	Very dark grey organic-rich silt. Sharp boundary	
0.23	Light olive brown organic-rich silt. Sharp boundary	
>0.41	Light brownish grey upward coarsening silty clay to very stony sand containing shell fragments	
Core: H8		
N: 51° 27.541'	W: 002° 47.943'	Surface altitude (m OD): 4.966
Bed Thickness (m)	Description	
2.47	Peat. Sharp boundary	
0.13	Light brownish grey well sorted very fine sand. Sharp boundary	
>0.14	Very dark grey organic-rich silt	
Core: H9		
N: 51° 27.628'	W: 002° 48.034'	Surface altitude (m OD): 5.073
Bed Thickness (m)	Description	
2.55	Peat. Sharp boundary	
0.01	Bluish grey clay. Sharp boundary	
0.06	Greyish brown silt. Sharp boundary	
0.06	Very dark greyish brown silt containing plant fragments. Sharp boundary	
0.23	Greyish brown organic-rich silt. Sharp boundary	
>0.11	Greyish brown well sorted medium sand containing rootlets	
Core: H10		
N: 51° 27.614'	W: 002° 48.027'	Surface altitude (m OD): 5.007
Bed Thickness (m)	Description	
2.53	Peat. Sharp boundary	
0.04	Very dark bluish grey clay. Sharp boundary	
0.10	Greyish brown silt. Sharp boundary	
0.11	Very dark greyish brown silt containing rootlets. Sharp boundary	
0.20	Light olive brown organic-rich silt. Sharp boundary	
>0.42	Bluish grey medium sand	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H11

N: 51° 27.602'

W: 002° 48.019'

Surface altitude (m OD): 5.070

Bed Thickness (m)

Description

2.49

Peat. Sharp boundary

0.07

Bluish grey clay. Sharp boundary

0.14

Light brownish grey well sorted very fine sand. Sharp boundary

0.10

Very dark greyish brown silt containing plant fragments. Sharp boundary

0.30

Yellowish brown organic-rich silt. Sharp boundary

0.10

Bluish grey well sorted medium sand containing rootlets. Sharp boundary

0.01

Bluish grey clay containing rootlets. Sharp boundary

>0.52

Bluish grey medium sand

Core: H12

N: 51° 27.590'

W: 002° 48.010'

Surface altitude (m OD): 5.007

Bed Thickness (m)

Description

2.57

Peat. Sharp boundary

0.08

Light brownish grey well sorted very fine sand. Sharp boundary

0.11

Very dark greyish brown sit containing plant fragments. Sharp boundary

0.29

Light olive brown organic-rich silt. Sharp boundary

>0.23

Light bluish grey becoming greenish grey fine sand

Core: H13

N: 51° 27.574'

W: 002° 48.000'

Surface altitude (m OD): 5.036

Bed Thickness (m)

Description

2.91

Peat. Sharp boundary

0.04

Very dark bluish grey clay. Sharp boundary

0.17

Dark grey to greyish brown very fine sand containing rootlets. Sharp boundary

0.08

Very dark greyish brown silt containing rootlets. Sharp boundary

0.15

Light yellowish brown organic-rich silt. Sharp boundary

>0.11

Bluish grey matrix-supported gravel of angular and sub-round white stones in a bluish grey sandy matrix

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H14		
N: 51° 27.562'	W: 002° 47.992'	Surface altitude (m OD): 4.985
Bed Thickness (m)	Description	
2.65	Peat. Sharp boundary	
0.01	Grey silt containing shelly fragments. Sharp boundary	
0.02	Very dark grey clay containing rootlets. Sharp boundary	
0.12	Greyish brown very fine sand. Sharp boundary	
0.12	Very dark greyish brown silt containing plant fragments. Sharp boundary	
0.44	Yellowish brown organic-rich silt. Sharp boundary	
>0.14	Bluish grey medium sand containing plant fragments	
Core: H15		
N: 51° 27.548'	W: 002° 47.984'	Surface altitude (m OD): 4.986
Bed Thickness (m)	Description	
2.53	Peat. Sharp boundary	
0.07	Very dark bluish grey clay. Sharp boundary	
0.11	Light brownish grey fine sand. Sharp boundary	
0.11	Very dark greyish brown silt containing plant fragments. Sharp boundary	
0.30	Yellowish brown organic-rich silt. Sharp boundary	
>0.32	Light brownish grey fine sand containing rare stn=ones, rootlets and shell fragments	
Core: H16		
N: 51° 27.536'	W: 002° 47.976'	Surface altitude (m OD): 5.004
Bed Thickness (m)	Description	
2.52	Peat. Sharp boundary	
0.15	Light brownish grey fine sand. Sharp boundary	
>0.07	Very dark greyish brown silt containing plant fragments	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H17		
N: 51° 27.622'	W: 002° 48.058'	Surface altitude (m OD): 5.123
Bed Thickness (m)	Description	
2.68	Peat. Sharp boundary	
0.03	Light bluish grey silty sand containing rootlets. Sharp boundary	
0.12	Greyish brown silty sand containing rootlets. Sharp boundary	
0.03	Very dark greyish brown silt containing rootlets. Sharp boundary	
0.25	Light bluish grey mottles yellowish brown organic-rich silt. Sharp boundary	
>0.09	Light brownish grey fine sand containing rootlets and shell fragments	
Core: H18		
N: 51° 27.610'	W: 002° 48.051'	Surface altitude (m OD): 5.013
Bed Thickness (m)	Description	
2.44	Peat. Sharp boundary	
0.01	Very pale brown clay. Sharp boundary	
0.05	Bluish grey clay. Sharp boundary	
0.13	Greyish brown very fine sand. Sharp boundary	
0.13	Very dark greyish brown silt containing rootlets. Sharp boundary	
0.14	Light olive brown organic-rich silt. Sharp boundary	
0.06	Dark yellowish brown organic-rich silt. Sharp boundary	
>0.14	Greyish brown coarse sand containing abundant shell fragments	
Core: H19		
N: 51° 27.597'	W: 002° 48.044'	Surface altitude (m OD): 5.070
Bed Thickness (m)	Description	
2.51	Peat. Sharp boundary	
0.09	Bluish grey clay containing rootlets. Sharp boundary	
0.11	Greyish brown sandy silt. Sharp boundary	
0.18	Dark brown silt containing plant fragments and abundant rootlets. Sharp boundary	
0.27	Light yellowish brown becoming light olive brown organic-rich silt. Sharp boundary	
>0.54	Light bluish grey fine sand with plant material growing through from above	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H20

N: 51° 27.583'

Bed Thickness (m)

2.53

0.08

0.20

0.10

0.42

>0.63

W: 002° 48.037'

Surface altitude (m OD): 5.013

Description

Peat. Sharp boundary

Bluish grey clay containing rootlets. Sharp boundary

Greyish brown sandy silt containing rootlets. Sharp boundary

Dark brown silt containing abundant rootlets. Sharp boundary

Light yellowish brown becoming light olive brown organic-rich silt. Sharp boundary

Bluish grey fine sand

Core: H21

N: 51° 27.566'

Bed Thickness (m)

2.58

0.09

0.11

0.14

0.14

0.25

0.05

>0.07

W: 002° 48.024'

Surface altitude (m OD): 5.022

Description

Peat. Sharp boundary

Laminated light bluish grey and greyish brown clay. Sharp boundary

Brown silt. Sharp boundary

Dark brown silt containing abundant rootlets. Sharp boundary

Greyish brown organic-rich clay. Sharp boundary

Light olive brown organic-rich silt. Sharp boundary

Greyish brown clay. Sharp boundary

Greyish brown becoming bluish grey fine sand

Core: H22

N: 51° 27.554'

Bed Thickness (m)

2.61

0.10

0.10

0.15

0.17

0.17

>0.15

W: 002° 48.017'

Surface altitude (m OD): 5.033

Description

Peat. Sharp boundary

Bluish grey clay. Sharp boundary

Light greyish brown clay. Sharp boundary

Dark brown silt containing abundant rootlets. Sharp boundary

Light greyish brown clay containing rootlets. Sharp boundary

Light olive brown silt containing abundant plant material. Sharp boundary

Bluish grey fine sand with organic material growing through from above

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H23

N: 51° 27.541'

W: 002° 48.010'

Surface altitude (m OD): 5.015

Bed Thickness (m)

Description

2.61	Peat. Sharp boundary
0.05	Bluish grey clay. Sharp boundary
0.20	Light brownish grey very fine sand. Sharp boundary
0.06	Dark brown silt containing abundant rootlets. Sharp boundary
0.10	Light brownish grey silt. Sharp boundary
0.29	Light olive brown organic-rich silt. Sharp boundary
>0.14	Light bluish grey upward fining sand containing shell fragments and with organic material growing through from above

Core: H24

N: 51° 27.528'

W: 002° 48.003'

Surface altitude (m OD): 5.068

Bed Thickness (m)

Description

2.52	Peat. Sharp boundary
0.10	Bluish grey clay with abundant shell fragments in upper 1 cm. Sharp boundary
0.11	Light brownish grey very fine sand. Sharp boundary
0.13	Dark brown silt containing abundant rootlets. Sharp boundary
0.19	Light olive brown organic-rich silt. Sharp boundary
>0.07	Bluish grey matrix-supported gravel of sub-angular and sub-round stones in a coarse sand matrix

Core: H25

N: 51° 27.617'

W: 002° 48.077'

Surface altitude (m OD): 5.044

Bed Thickness (m)

Description

2.48	Peat. Sharp boundary
0.07	Bluish grey clay. Sharp boundary
0.11	Laminated greyish brown silt with light brownish grey fine sand. Sharp boundary
0.13	Dark brown organic-rich silt. Sharp boundary
0.03	Pale brown silt containing rootlets. Sharp boundary
0.01	Dark brown organic-rich silt. Sharp boundary
0.08	Pale brown silt containing rootlets. Sharp boundary
0.31	Light olive brown organic-rich silt. Sharp boundary
>0.08	Light grey coarse sand with occasional sub-angular stones

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H26

N: 51° 27.605'

Bed Thickness (m)

2.48

0.03

0.15

0.15

0.23

>0.42

W: 002° 48.070'

Description

Peat. Sharp boundary

Bluish grey clay. Sharp boundary

Greyish brown silt containing rootlets. Sharp boundary

Very dark greyish brown silt containing abundant rootlets. Sharp boundary

Olive brown organic-rich silt. Sharp boundary

Bluish grey upward fining medium to fine sand

Surface altitude (m OD): 5.014

Core: H27

N: 51° 27.592'

Bed Thickness (m)

2.58

0.07

0.02

0.18

0.28

>0.19

W: 002° 48.065'

Description

Peat. Sharp boundary

Bluish grey clay. Sharp boundary

Greyish brown silty clay containing plant fragments and rootlets. Sharp boundary

Dark brown silt containing abundant rootlets. Sharp boundary

Light olive brown organic-rich silt. Sharp boundary

Light bluish grey upward coarsening clayey fine sand to fine sand with organic material growing through from above

Surface altitude (m OD): 5.026

Core: H28

N: 51° 27.579'

Bed Thickness (m)

2.44

0.03

0.14

0.14

0.31

>0.67

W: 002° 48.057'

Description

Peat. Sharp boundary

Bluish grey clay. Sharp boundary

Greyish brown silt containing rootlets. Sharp boundary

Dark brown silt containing plant fragments and rootlets. Sharp boundary

Pale brown becoming light olive brown organic-rich silt. Sharp boundary

Light bluish grey fine sand with organic material growing through from above

Surface altitude (m OD): 5.042

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H29

N: 51° 27.567'

W: 002° 48.050'

Surface altitude (m OD): 5.061

Bed Thickness (m)

Description

2.63

Peat. Sharp boundary

0.10

Light bluish grey clay. Sharp boundary

0.11

Pale brown silt containing rootlets. Sharp boundary

0.16

Dark brown silt containing plant fragments and rootlets. Sharp boundary

0.32

Pale brown becoming light olive brown organic-rich silt. Sharp boundary

0.08

Light bluish grey fine sand with organic material growing through from above. Sharp boundary

0.06

Light bluish grey clay. Sharp boundary

>0.04

Light bluish grey medium sand

Core: H30

N: 51° 27.558'

W: 002° 48.042'

Surface altitude (m OD): 5.076

Bed Thickness (m)

Description

2.41

Peat. Sharp boundary

0.05

Bluish grey clay containing shell fragments. Sharp boundary

0.16

Light grey silty sand containing plant fragments. Sharp boundary

0.19

Dark brown silt containing abundant rootlets. Sharp boundary

0.14

Light brownish grey silt containing plant fragments. Gradational boundary

0.16

Light olive brown organic-rich silt. Sharp boundary

>0.09

Light grey fine sand with organic material growing through from above

Core: H31

N: 51° 27.546'

W: 002° 48.035'

Surface altitude (m OD): 5.073

Bed Thickness (m)

Description

2.52

Peat. Sharp boundary

0.07

Bluish grey clay containing shell fragments. Sharp boundary

0.10

Light brownish grey sandy silt containing rootlets. Sharp boundary

0.09

Dark brown silt containing abundant rootlets. Sharp boundary

0.25

Light brownish grey silt containing abundant plant material and a single sub-round limestone clast becoming light olive brown organic-rich silt. Sharp boundary

>0.09

Light grey fine sand with organic material growing through from above

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H32

N: 51° 27.533'

W: 002° 48.030'

Surface altitude (m OD): 5.046

Bed Thickness (m)

Description

2.54

Peat. Sharp boundary with line of shell fragments

0.07

Bluish grey clay. Sharp boundary

0.09

Light brownish grey sandy silt. Sharp boundary

0.11

Dark brown sandy silt, rootlets common. Sharp boundary

0.10

Yellowish brown silt containing shell and plant fragments and rootlets. Sharp boundary

>0.05

Light brownish grey very fine sand

Core: H33

N: 51° 27.520'

W: 002° 48.022'

Surface altitude (m OD): 5.048

Bed Thickness (m)

Description

2.61

Peat. Sharp, concave-up boundary

0.06

Light bluish grey clay containing rotten shells and shell fragments. Sharp boundary

0.07

Light brownish grey fine sand. Gradational boundary

0.09

Dark brown sandy silt containing abundant rootlets. Sharp boundary

0.08

Light brownish grey silt containing abundant plant fragments. Gradational boundary

>0.11

Light olive brown organic-rich silt

Core: H34

N: 51° 27.609'

W: 002° 48.111'

Surface altitude (m OD): 5.062

Bed Thickness (m)

Description

2.40

Peat. Sharp, irregular boundary

0.04

Light bluish grey clay. Gradational boundary

0.17

Greyish brown clay. Sharp boundary

0.10

Dark brown silt, rootlets common. Sharp boundary

0.34

Light yellowish brown organic-rich silt. Sharp boundary

>0.11

Light bluish grey fine sand with organic material growing through from above

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H35

N: 51° 27.506'

Bed Thickness (m)

2.46

0.10

0.13

0.16

0.28

>0.47

W: 002° 48.105'

Description

Peat. Sharp boundary

Bluish grey clay. Sharp boundary

Greyish brown sandy silt. Sharp boundary

Dark brown silty sand containing rootlets. Sharp boundary

Light yellowish brown to light olive brown silt, organics common to organic-rich. Sharp boundary

Bluish grey upward fining medium sand with organic material growing through from above

Surface altitude (m OD): 4.936

Core: H36

N: 51° 27.583'

Bed Thickness (m)

2.54

0.08

0.15

0.01

0.12

0.15

0.16

>0.21

W: 002° 48.095'

Description

Peat. Sharp boundary

Bluish grey clay. Sharp boundary

Greyish brown silty clay containing plant fragments. Sharp boundary

Grey very fine sand. Sharp boundary

Dark brown sandy silt containing rootlets. Sharp boundary

Light brown silt containing plant fragments. Sharp boundary

Light olive brown organic-rich silt. Gradational boundary

Bluish grey fine sand with organic material growing through from above

Surface altitude (m OD): 5.025

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H37

N: 51° 27.571'

Bed Thickness (m)

2.49

0.10

0.16

0.05

0.16

0.02

0.20

>0.32

W: 002° 48.091'

Surface altitude (m OD): 5.055

Description

Peat. Sharp boundary

Dark bluish grey clay. Sharp boundary, marked by a layer of organic material

Greyish brown very fine sand containing rare plant fragments. Sharp boundary

Dark brown silty sand containing abundant rootlets. Sharp boundary

Yellowish brown organic-rich silt. Sharp boundary

Pale brown silt. Sharp boundary

Light olive brown organic-rich silt. Gradational boundary

Bluish grey upward fining medium to very fine sand

Core: H38

N: 51° 27.558'

Bed Thickness (m)

2.59

0.09

0.10

0.20

0.20

0.06

0.08

0.02

0.16

0.08

0.25

>0.05

W: 002° 48.084'

Surface altitude (m OD): 5.084

Description

Peat. Sharp boundary

Bluish grey clay containing shells, shell fragments and plant fragments. Sharp boundary

Light brownish grey silt containing plant fragments. Gradational boundary

Dark brown sandy silt containing plant fragments and abundant rootlets. Sharp boundary

Light yellowish brown organic-rich silt. Gradational boundary

Light olive brown organic-rich silt. Gradational boundary

Yellowish brown silt containing plant fragments. Sharp boundary

Light bluish grey upward fining very fine sand with organic material growing through from above. Gradational boundary

Light bluish grey upward coarsening medium sand. Gradational boundary

Light bluish grey very gritty silty clay. Gradational boundary

Light bluish grey fine sand. Gradational boundary

Very pale brown fine sand

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H39		
N: 51° 27.551'	W: 002° 48.079'	Surface altitude (m OD): 5.091
Bed Thickness (m)	Description	
2.68	Peat. Sharp boundary	
0.09	Bluish grey clay containing shell fragments. Sharp boundary	
0.09	Very pale brown silt containing plant fragments and rootlets. Gradational boundary	
0.07	Greyish brown very fine sand. Gradational boundary	
0.19	Dark brown silt containing abundant rootlets. Gradational boundary	
0.27	Brown to olive brown organic-rich silt. Sharp boundary	
0.11	Light grey upward fining very fine sand. Sharp boundary	
>0.04	Light bluish grey medium sand	
Core: H40		
N: 51° 27.537'	W: 002° 48.072'	Surface altitude (m OD): 5.067
Bed Thickness (m)	Description	
2.62	Peat. Sharp boundary	
0.10	Bluish grey clay containing shell fragments. Sharp boundary	
0.07	Light brownish grey silt containing rootlets. Sharp boundary	
0.11	Greyish brown upward fining medium to very fine sand. Sharp boundary	
0.18	Dark brown silt containing plant fragments and rootlets. Sharp boundary	
0.07	Yellowish brown silt, common plant material. Sharp boundary	
>0.12	Light olive brown organic-rich silt	
Core: H41		
N: 51° 27.524'	W: 002° 48.065'	Surface altitude (m OD): 5.047
Bed Thickness (m)	Description	
2.64	Peat. Sharp boundary	
0.12	Very thinly bedded bluish grey clay and light brownish grey silt. Shell fragments in uppermost clay bed. Sharp boundary	
0.08	Greyish brown silt containing abundant rootlets. Sharp boundary	
0.05	Light brownish grey very fine sand. Gradational boundary	
0.16	Dark brown silt containing abundant rootlets. Sharp boundary	
0.08	Pale brown silt containing abundant rootlets. Gradational boundary	
>0.29	Light olive brown organic-rich silt	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H42

N: 51° 27.512'

Bed Thickness (m)

2.83

0.11

0.12

0.01

0.03

0.07

0.02

0.19

0.38

0.02

0.12

>1.02

W: 002° 48.058'

Description

Peat. Sharp boundary

Bluish grey clay containing shell fragments. Gradational boundary

Greyish brown silt containing plant fragments and rootlets. Sharp boundary

Light brown very fine sand. Sharp boundary

Greyish brown sandy silt containing rootlets. Gradational boundary

Dark greyish brown sandy silt containing abundant rootlets. Sharp boundary

Light brownish grey very fine sand. Sharp boundary

Dark brown silt containing plant fragments and abundant rootlets. Gradational boundary

Light brownish grey sandy silt. Sharp boundary

Light bluish grey to greyish brown very fine sand. Plant material at upper contact. Gradational boundary

Reddish yellow very fine sand. Sharp boundary

Light grey to light bluish grey marly clay with rare sand lenses

Surface altitude (m OD): 5.081

Core: H43

N: 51° 27.504'

Bed Thickness (m)

2.92

0.09

0.08

0.12

0.01

0.37

0.40

0.29

>1.00

W: 002° 48.053'

Description

Peat. Sharp boundary

Light bluish grey clay containing shell fragments. Gradational boundary

Greyish brown clay containing plant fragments. Sharp boundary

Brown silt containing abundant rootlets. Sharp boundary

Grey very fine sand. Sharp boundary

Very dark greyish brown silt containing abundant rootlets. Sharp boundary

Light bluish grey marly silt containing shell fragments. Sharp boundary

Brown silty clay containing plant and shell fragments. Sharp boundary

Light bluish grey dense marly clay containing rare plant material and a single round stone

Surface altitude (m OD): 5.098

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H44

N: 51° 27.602'

Bed Thickness (m)

2.42
0.26
0.05
0.15
0.16
0.09
>0.37

W: 002° 48.128'

Description

Peat. Sharp boundary
Bluish grey clay. Sharp boundary
Greyish brown clay containing plant fragments. Sharp boundary
Brown silt containing rootlets. Sharp boundary
Pale brown silt containing plant fragments. Gradational boundary
Light olive brown organic-rich silt. Sharp boundary
Bluish grey fine sand with clay lens

Surface altitude (m OD): 5.124

Core: H45

N: 51° 27.589'

Bed Thickness (m)

2.47
0.10
0.04
0.20
0.07
0.17
0.21
>0.42

W: 002° 48.122'

Description

Peat. Sharp boundary
Light brownish grey clay. Sharp boundary
Light brownish grey fine sand. Sharp boundary
Dark brown silt containing plant fragments and abundant rootlets. Sharp boundary
Pale brown silt containing plant fragments. Gradational boundary
Light olive brown organic-rich silt. Sharp boundary
Light bluish grey upward coarsening very fine to fine sand. Gradational boundary
Light grey upward coarsening silty sand to very fine sand containing sub-angular limestone and sandstone clasts

Surface altitude (m OD): 5.091

Core: H46

N: 51° 27.574'

Bed Thickness (m)

2.51
0.07
0.11
0.17
0.22
0.08
0.03
>0.13

W: 002° 48.115'

Description

Peat. Sharp boundary
Bluish grey clay. Sharp boundary
Greyish brown clayey silt containing plant fragments. Sharp boundary
Dark brown silt containing plant fragments and abundant rootlets. Sharp boundary
Light olive brown organic-rich silt. Gradational boundary
Grey fine sand with organic material growing through from above. Sharp boundary
Dark greyish brown organic-rich silt. Sharp boundary
Bluish grey fine sand

Surface altitude (m OD): 5.087

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H47

N: 51° 27.564'

Bed Thickness (m)

2.53

0.11

0.14

0.04

0.09

0.17

0.14

>0.22

W: 002° 48.107'

Description

Peat. Sharp boundary

Bluish grey clay containing rootlets. Sharp boundary

Greyish brown clay containing plant fragments. Sharp boundary

Light grey fine sand. Sharp boundary

Dark brown silt containing abundant rootlets. Sharp boundary

Light brownish grey silt containing plant fragments. Sharp boundary

Light olive brown organic-rich silt. Sharp boundary

Light bluish grey medium sand

Surface altitude (m OD): 5.098

Core: H48

N: 51° 27.552'

Bed Thickness (m)

2.55

0.10

0.15

0.02

0.10

0.14

0.05

0.19

>0.58

W: 002° 48.100'

Description

Peat. Sharp boundary

Bluish grey clay containing traces of shell fragments. Gradational boundary

Greyish brown silt containing rootlets. Sharp boundary

Greyish brown very fine sand containing rootlets. Sharp boundary

Dark brown silt containing abundant rootlets. Gradational boundary

Light olive brown silt containing plant fragments. Sharp boundary

Olive brown organic-rich silt. Gradational boundary

Yellowish brown organic-rich silt. Sharp boundary

Light brownish grey upward coarsening very fine to fine sand containing rare plant fragments and angular stones

Surface altitude (m OD): 5.126

Core: H49

N: 51° 27.544'

Bed Thickness (m)

2.68

0.07

0.15

0.05

0.17

0.09

>0.24

W: 002° 48.099'

Description

Peat. Sharp boundary

Bluish grey clay. Gradational boundary

Greyish brown silty clay. Gradational boundary

Greyish brown very fine sand. Sharp boundary

Dark greyish brown silt containing abundant rootlets. Sharp boundary

Pale brown silt containing abundant rootlets. Gradational boundary

Light olive brown organic-rich silt.

Surface altitude (m OD): 5.131

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H50		
N: 51° 27.532'	W: 002° 48.091'	Surface altitude (m OD): 5.097
Bed Thickness (m)	Description	
2.58	Peat. Sharp boundary	
0.11	Bluish grey clay with shell fragments at upper contact. Gradational boundary	
0.19	Greyish brown silty fine sand containing rootlets. Gradational boundary	
0.08	Very dark greyish brown silt containing abundant rootlets. Gradational boundary	
0.09	Greyish brown silt containing rootlets. Sharp boundary	
0.09	Pale brown silt containing few rootlets. Sharp boundary	
0.22	Light olive brown organic-rich silt. Gradational boundary	
>0.30	Light bluish grey to pale brown upward coarsening medium to very fine sand containing occasional sub-angular to sub-round stones	
Core: H51		
N: 51° 27.519'	W: 002° 48.084'	Surface altitude (m OD): 5.077
Bed Thickness (m)	Description	
2.63	Peat. Sharp boundary	
0.11	Bluish grey clay with shell fragments at upper contact. Sharp boundary	
0.04	Light olive brown organic-rich silt. Sharp boundary	
0.08	Greyish brown very fine sand containing rootlets. Gradational boundary	
0.19	Dark greyish brown fine sand containing abundant rootlets. Sharp boundary	
0.06	Light brownish grey clay containing plant and shell fragments. Sharp boundary	
>0.29	Light olive brown organic-rich silt	
Core: H52		
N: 51° 27.506'	W: 002° 48.076'	Surface altitude (m OD): 5.042
Bed Thickness (m)	Description	
2.66	Peat. Sharp boundary	
0.11	Bluish grey clay containing shell fragments. Gradational boundary	
0.05	Light brownish grey clay containing plant fragments. Sharp boundary	
0.01	Brown organic-rich silt. Sharp boundary	
0.20	Brown very fine sand containing rootlets. Sharp boundary	
0.11	Dark greyish brown silt containing abundant rootlets. Sharp boundary	
0.42	Pale brown clayey silt containing plant fragments. Sharp boundary	
0.02	Light bluish grey medium sand with organic material growing through from above. Sharp boundary	
>0.38	Light bluish grey marly clay containing organics growing through from above	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H53

N: 51° 27.499'

W: 002° 48.072'

Surface altitude (m OD): 5.117

Bed Thickness (m)

Description

2.75

Peat. Sharp boundary

0.13

Bluish grey clay containing shells and some plant fragments. Gradational boundary

0.18

Brown clayey silt containing plant fragments and rootlets. Gradational boundary

0.08

Greyish brown very fine sand. Sharp boundary

0.18

Dark greyish brown silt containing abundant rootlets. Gradational boundary

0.16

Light brownish grey sandy silt containing plant fragments. Gradational boundary

0.23

Light olive brown organic-rich silt. Sharp boundary

0.03

Light bluish grey fine sand with organic material growing through from above. Sharp boundary

>1.00

Light bluish grey marly clay

Core: H54

N: 51° 27.596'

W: 002° 48.148'

Surface altitude (m OD): 5.058

Bed Thickness (m)

Description

2.44

Peat. Sharp boundary

0.04

Bluish grey clay. Sharp boundary

0.14

Light brownish grey silt containing plant fragments. Sharp boundary

0.19

Very dark greyish brown silt containing abundant rootlets. Sharp boundary

>0.34

Brownish yellow organic-rich clayey silt

Core: H55

N: 51° 27.584'

W: 002° 48.137'

Surface altitude (m OD): 5.103

Bed Thickness (m)

Description

2.50

Peat. Sharp boundary

0.06

Bluish grey clay. Sharp boundary

0.12

Light brownish grey silt. Sharp boundary

0.14

Very dark greyish brown silt containing plant fragments and abundant rootlets. Sharp boundary

0.31

Brownish yellow organic-rich clayey silt. Sharp boundary

0.29

Light bluish grey fine sand containing plant fragments. Gradational boundary

0.14

Light grey fine sand containing granules and small stones. Sharp boundary

>0.18

Light grey gritty clay

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H56

N: 51° 27.572'

Bed Thickness (m)

2.52

0.07

0.11

0.25

0.29

>0.19

W: 002° 48.128'

Description

Peat. Sharp boundary

Bluish grey clay. Sharp boundary

Light brownish grey silt containing plant fragments. Sharp boundary

Very dark greyish brown silt containing plant fragments and abundant rootlets. Sharp boundary

Light yellowish brown organic-rich silt. Sharp boundary

Light bluish grey fine sand containing plant fragments

Surface altitude (m OD): 5.083

Core: H57

N: 51° 27.561'

Bed Thickness (m)

2.64

0.05

0.16

0.13

0.39

>0.13

W: 002° 48.118'

Description

Peat. Sharp boundary

Bluish grey clay containing plant fragments. Sharp boundary

Light brownish grey very fine sand containing plant fragments. Sharp boundary

Very dark greyish brown silt containing plant fragments and abundant rootlets. Sharp boundary

Brownish yellow organic-rich clay. Sharp boundary

Light bluish grey to bluish grey fine sand containing plant fragments

Surface altitude (m OD): 5.172

Core: H58

N: 51° 27.549'

Bed Thickness (m)

2.57

0.06

0.10

0.26

0.30

0.04

>0.25

W: 002° 48.107'

Description

Peat. Sharp boundary

Bluish grey clay. Sharp boundary

Light brownish grey very fine sand containing plant fragments. Sharp boundary

Very dark greyish brown silt containing plant fragments and abundant rootlets. Sharp boundary

Light yellowish brown organic-rich silt. Sharp boundary

Light bluish grey fine sand containing plant fragments. Gradational boundary

Light grey fine sand containing plant fragments

Surface altitude (m OD): 5.083

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H59

N: 51° 27.589'

Bed Thickness (m)

2.61
0.07
0.20
0.13
>0.09

W: 002° 48.165'

Description

Peat. Sharp boundary
Bluish grey clay. Sharp boundary
Light brownish grey silt containing plant fragments. Sharp boundary
Very dark greyish brown silt containing abundant rootlets. Sharp boundary
Light yellowish brown organic-rich clay

Surface altitude (m OD): 5.076

Core: H60

N: 51° 27.580'

Bed Thickness (m)

2.48
0.08
0.17
0.16
0.30
0.08
0.02
0.07
0.16
>0.22

W: 002° 48.158'

Description

Peat. Sharp boundary
Bluish grey clay. Sharp boundary
Light brownish grey very fine sand containing plant fragments. Sharp boundary
Very dark greyish brown silt containing abundant rootlets. Sharp boundary
Light yellowish brown organic-rich clay. Sharp boundary
Light bluish grey fine sand containing plant fragments. Sharp boundary
Brownish grey fine sand containing plant fragments. Sharp boundary
Light grey fine sand containing plant fragments. Gradational boundary
Light grey matrix-supported gravel of granules and angular and round stones in a sandy matrix. Sharp boundary
Light brownish grey to light grey fine sand

Surface altitude (m OD): 4.989

Core: H61

N: 51° 27.567'

Bed Thickness (m)

2.53
0.08
0.16
0.15
0.26
0.03
0.04
0.08
0.09
>0.05

W: 002° 48.148'

Description

Peat. Sharp boundary
Bluish grey clay containing plant fragments. Sharp boundary
Light brownish grey very fine sand containing plant fragments. Sharp boundary
Very dark greyish brown silt containing plant fragments and abundant rootlets. Sharp boundary
Light yellowish brown organic-rich clay. Sharp boundary
Grey fine sand containing plant fragments. Sharp boundary
Light grey clay. Sharp boundary
Light grey fine sand containing plant fragments. Sharp boundary
Light bluish grey matrix-supported gravel of granules and small stones in a clayey matrix. Sharp boundary
Bluish grey fine sand

Surface altitude (m OD): 5.017

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H62

N: 51° 27.555'

W: 002° 48.139'

Surface altitude (m OD): 5.079

Bed Thickness (m)

Description

2.51	Peat. Sharp boundary
0.08	Bluish grey clay. Sharp boundary
0.19	Light brownish grey silt. Sharp boundary
0.17	Very dark greyish brown silt containing abundant rootlets. Sharp boundary
0.28	Light yellowish brown organic-rich clay. Sharp boundary
0.02	Light bluish grey fine sand containing plant fragments. Sharp boundary
0.04	Light bluish grey clay. Sharp boundary
0.13	Light bluish grey matrix-supported gravel of granules and small stones in a fine sand matrix. Sharp boundary
0.08	Light bluish grey gritty clay. Sharp boundary
>0.10	Very pale brown fine sand containing single angular stone

Core: H63

N: 51° 27.542'

W: 002° 48.131'

Surface altitude (m OD): 4.995

Bed Thickness (m)

Description

2.46	Peat. Sharp boundary
0.39	Bluish grey clay. Sharp boundary
0.13	Light brownish grey silt containing plant fragments. Sharp boundary
0.12	Very dark greyish brown silt containing plant fragments and abundant rootlets. Sharp boundary
0.33	Light yellowish brown organic-rich clay. Sharp boundary
0.33	Light bluish grey to very pale brown fine sand containing plant fragments. Sharp boundary
>0.11	Very pale brown gritty clay

Core: H64

N: 51° 27.583'

W: 002° 48.183'

Surface altitude (m OD): 5.119

Bed Thickness (m)

Description

2.56	Peat. Sharp boundary
0.05	Bluish grey clay. Sharp boundary
0.16	Light brownish grey silt containing plant fragments. Sharp boundary
0.15	Very dark greyish brown silt containing plant fragments and abundant rootlets. Sharp boundary
0.31	Light yellowish brown organic-rich clay. Gradational boundary
>0.43	Very pale brown fine sand with occasional sub-angular stones and occasional plant fragments

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H65

N: 51° 27.571'

W: 002° 48.174'

Surface altitude (m OD): 5.059

Bed Thickness (m)

Description

2.46

Peat. Sharp boundary

0.05

Bluish grey clay containing plant fragments. Sharp boundary

0.24

Light brownish grey very fine sand containing plant fragments. Sharp boundary

0.13

Very dark greyish brown silt containing abundant rootlets. Sharp boundary

0.31

Light yellowish brown organic-rich clay. Sharp boundary

0.02

Bluish grey fine sand. Sharp boundary

0.08

Bluish grey clay. Sharp boundary

0.17

Bluish grey medium sand with granules and small stones. Sharp boundary

0.19

Light grey medium sand. Sharp boundary

>0.40

Light grey clay

Core: H66

N: 51° 27.558'

W: 002° 48.164'

Surface altitude (m OD): 5.089

Bed Thickness (m)

Description

2.52

Peat. Sharp boundary

0.09

Bluish grey clay containing plant fragments. Sharp boundary

0.18

Light brownish grey silt containing plant fragments. Sharp boundary

0.14

Very dark greyish brown silt containing abundant rootlets. Sharp boundary

0.26

Light yellowish brown organic-rich clay. Sharp boundary

>0.39

Bluish grey fine sand with granules and large stones. Contains plant fragments

Core: H67

N: 51° 27.54'

W: 002° 48.153'

Surface altitude (m OD): 5.122

Bed Thickness (m)

Description

2.55

Peat. Sharp boundary

0.09

Light bluish grey silt containing plant fragments. Sharp boundary

0.15

Light brownish grey silt containing plant fragments. Sharp boundary

0.21

Very dark greyish brown silt containing abundant rootlets. Sharp boundary

0.30

Light yellowish brown organic-rich clay. Sharp boundary

0.16

Light bluish grey fine sand with occasional granules. Occasional plant fragments. Sharp boundary

0.07

Light bluish grey matrix-supported gravel of very large angular stones and granules in a sandy matrix. Sharp boundary

0.03

Light grey fine sand. Sharp boundary

>0.20

Light grey clay

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H68

N: 51° 27.539'

W: 002° 48.145'

Surface altitude (m OD): 5.145

Bed Thickness (m)

Description

2.56	Peat. Sharp boundary
0.09	Bluish grey clay. Sharp boundary
0.21	Light brownish grey very fine sand containing fine rootlets. Sharp boundary
0.14	Very dark greyish brown silt containing abundant rootlets. Sharp boundary
0.29	Light yellowish brown organic-rich silt. Sharp boundary
0.04	Light grey fine sand containing plant fragments. Sharp boundary
0.10	Light bluish grey clay. Sharp boundary
0.08	Light bluish grey matrix-supported gravel of granules and round to angular medium stones in a sandy matrix. Sharp boundary
0.13	Light grey fine sand containing plant fragments. Sharp boundary
>0.14	Light grey gritty clay

Core: H69

N: 51° 27.541'

W: 002° 48.103'

Surface altitude (m OD): 5.094

Bed Thickness (m)

Description

2.69	Peat. Sharp boundary
0.07	Bluish grey clay containing plant fragments. Gradational boundary
0.21	Light brownish grey silt containing plant fragments. Gradational boundary
0.16	Very dark greyish brown silt containing abundant rootlets. Sharp boundary
0.31	Light yellowish brown organic-rich clay. Sharp boundary
>0.08	Light grey fine sand

Core: H70

N: 51° 27.533'

W: 002° 48.098'

Surface altitude (m OD): 5.077

Bed Thickness (m)

Description

2.61	Peat. Sharp boundary
0.08	Bluish grey clay containing plant fragments. Sharp boundary
0.10	Light brownish grey very fine sand containing plant fragments. Sharp boundary
0.29	Very dark greyish brown silt containing abundant rootlets. Sharp boundary
>0.31	Light yellowish brown organic-rich clay

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H71

N: 51° 27.520'

Bed Thickness (m)

2.66

0.09

0.23

0.11

0.37

>0.30

W: 002° 48.088'

Surface altitude (m OD): 5.078

Description

Peat. Sharp boundary

Bluish grey clay containing plant fragments. Sharp boundary

Light brownish grey very fine sand containing plant fragments. Sharp boundary

Very dark greyish brown silt containing abundant rootlets. Sharp boundary

Very pale brown organic-rich clay. Sharp boundary

Light bluish grey to light grey clayey fine sand containing plant fragments

Core: H72

N: 51° 27.508'

Bed Thickness (m)

2.64

0.14

0.22

0.19

0.35

0.05

>0.05

W: 002° 48.080'

Surface altitude (m OD): 5.083

Description

Peat. Sharp boundary

Bluish grey clay containing plant fragments. Sharp boundary

Light brownish grey very fine sand, fining upwards to silt. Contains plant fragments. Sharp boundary

Very dark greyish brown silt containing abundant rootlets. Sharp boundary

Very pale brown organic-rich clay. Sharp boundary

Light bluish grey fine sand containing plant fragments. Sharp boundary

Light grey clay

Core: H73

N: 51° 27.540'

Bed Thickness (m)

2.65

0.07

0.19

0.17

0.29

0.15

>0.15

W: 002° 48.127'

Surface altitude (m OD): 5.074

Description

Peat. Sharp boundary

Bluish grey clay containing plant fragments. Sharp boundary

Light brownish grey very fine sand, fining upwards to silt. Contains plant fragments. Sharp boundary

Very dark greyish brown very fine sand containing abundant rootlets. Sharp boundary

Light yellowish brown organic-rich clay. Sharp boundary

Light bluish grey upward coarsening fine sand containing plant fragments. Gradational boundary

Light bluish grey gritty clay containing plant fragments

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H74

N: 51° 27.528'

W: 002° 48.119'

Surface altitude (m OD): 5.062

Bed Thickness (m)

Description

2.61	Peat. Sharp boundary
0.11	Bluish grey clay containing plant fragments. Sharp boundary
0.20	Light brownish grey very fine sand containing plant fragments. Sharp boundary
0.13	Very dark greyish brown silt containing abundant rootlets. Sharp boundary
0.40	Light yellowish brown organic-rich clay. Sharp boundary
0.49	Light bluish grey to light grey upward coarsening fine to medium sand with granules, less common with increased depth. Contains plant fragments. Sharp boundary
>0.06	Light grey gritty clay

Core: H75

N: 51° 27.516'

W: 002° 48.110'

Surface altitude (m OD): 5.072

Bed Thickness (m)

Description

2.59	Peat. Sharp boundary
0.11	Bluish grey clay containing plant fragments. Sharp boundary
0.22	Light brownish grey upward fining very fine sand to clayey silt. Contains rootlets. Sharp boundary
0.16	Very dark greyish brown silt containing abundant rootlets. Sharp boundary
0.33	Very pale brown organic-rich clay. Sharp boundary
>0.24	Light grey fine sand containing plant and shell fragments

Core: H76

N: 51° 27.503'

W: 002° 48.100'

Surface altitude (m OD): 5.029

Bed Thickness (m)

Description

2.54	Peat. Sharp boundary
0.10	Bluish grey clay containing plant fragments. Sharp boundary
0.23	Light brownish grey silt containing plant fragments. Sharp boundary
0.15	Very dark greyish brown silt containing abundant rootlets. Sharp boundary
>0.14	Pale brown organic-rich clay

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H77

N: 51° 27.492'

Bed Thickness (m)

2.51

0.18

0.17

0.22

>0.32

W: 002° 48.092'

Description

Peat. Sharp boundary

Bluish grey clay containing plant fragments. Shell fragments at upper contact. Sharp boundary

Light brownish grey silt containing plant fragments. Sharp boundary

Very dark greyish brown silt containing abundant rootlets. Sharp boundary

Pale brown organic-rich clay

Surface altitude (m OD): 5.078

Core: H78

N: 51° 27.535'

Bed Thickness (m)

2.67

0.11

0.14

0.22

0.27

0.07

0.10

0.05

>0.09

W: 002° 48.145'

Description

Peat. Sharp boundary

Bluish grey clay. Sharp boundary

Light brownish grey silt containing plant fragments. Sharp boundary

Very dark greyish brown silt containing plant fragments and abundant rootlets. Sharp boundary

Light yellowish brown organic-rich clay. Sharp boundary

Light bluish grey clay. Sharp boundary

Light grey medium sand with granules. Contains shell fragments. Sharp boundary

Light yellowish brown fine sand with granules. Contains shell fragments. Sharp boundary

Light grey very gritty clay with granules

Surface altitude (m OD): 5.091

Core: H79

N: 51° 27.523'

Bed Thickness (m)

2.61

0.10

0.21

0.14

0.29

>0.34

W: 002° 48.134'

Description

Peat. Sharp boundary

Bluish grey clay containing plant fragments. Sharp boundary

Light brownish grey upward fining very fine sand to silt containing plant fragments. Sharp boundary

Very dark greyish brown silt containing abundant rootlets. Sharp boundary

Light yellowish brown organic-rich clay. Sharp boundary

Light grey slightly clayey fine sand with granules. Contains plant and shell fragments

Surface altitude (m OD): 5.087

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H80

N: 51° 27.511'

Bed Thickness (m)

2.58

0.11

0.16

0.21

0.38

0.07

0.02

>0.15

W: 002° 48.124'

Description

Peat. Sharp boundary

Bluish grey to very pale brown clay containing plant fragments. Sharp boundary

Light brownish grey upward fining very fine sand to silty clay. Contains plant fragments. Sharp boundary

Very dark greyish brown silt containing abundant rootlets. Sharp boundary

Very pale brown organic-rich clay. Sharp boundary

Light bluish grey marly clay. sharp boundary

Light bluish grey fine sand, occasional granules. Contains plant and shell fragments. Sharp boundary

Light bluish grey gritty clay with occasional granules. Contains plant fragments

Surface altitude (m OD): 5.066

Core: H81

N: 51° 27.499'

Bed Thickness (m)

2.69

0.12

0.18

0.21

0.27

0.03

0.30

0.10

0.04

>0.23

W: 002° 48.113'

Description

Peat. Sharp boundary

Light bluish grey clay containing plant fragments. Sharp boundary

Light brownish grey upward fining very fine sand to silt. Contains plant fragments. Sharp boundary

Very dark greyish brown silt containing abundant rootlets. Sharp boundary

Light yellowish brown organic-rich clay. Sharp boundary

Light bluish grey fine sand containing plant fragments. Sharp boundary

Light bluish grey marly clay. Sharp boundary

Light grey fine sand with occasional granules. Sharp boundary

Dark bluish grey medium sand with occasional granules. Sharp boundary

Light grey gritty clay with occasional granules and a single sub-round limestone pebble

Surface altitude (m OD): 5.111

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: H82

N: 51° 27.489'

Bed Thickness (m)

2.49

0.12

0.06

0.09

0.03

0.25

0.12

0.28

0.06

>0.49

W: 002° 48.104'

Surface altitude (m OD): 5.178

Description

Peat. Sharp boundary

Bluish grey clay containing plant fragments. Sharp boundary

Yellowish brown clay containing plant fragments. Sharp boundary

Brown silt containing rootlets. Sharp boundary

Light brownish grey very fine sand. Sharp boundary

Very dark greyish brown silt containing abundant rootlets. Sharp boundary

Very pale brown silt containing plant fragments. Sharp boundary

Light olive brown organic-rich silt. Sharp boundary

Light bluish grey fine sand containing plant fragments. Sharp boundary

Light bluish grey to light grey marly clay containing plant fragments

Core: J1

N: 51° 27.517'

Bed Thickness (m)

2.64

0.12

0.04

0.33

0.07

>0.34

W: 002° 47.916'

Surface altitude (m OD): 5.257

Description

Peat. Sharp boundary

Bluish grey clay containing plant fragments. Shell fragments at upper contact. Sharp boundary

Light brownish grey fine sand containing rootlets. Sharp boundary

Very dark greyish brown sit containing abundant rootlets

Not recovered

Light yellowish brown organic-rich clay

Core: J2

N: 51° 27.485'

Bed Thickness (m)

>0.28

W: 002° 48.095'

Surface altitude (m OD): 5.496

Description

Peat

Core: J3

N: 51° 27.481'

Bed Thickness (m)

>0.23

W: 002° 48.096'

Surface altitude (m OD): 5.266

Description

Peat

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: K1		
N: 51° 27.347'	W: 002° 47.818'	Surface altitude (m OD): 5.263
Bed Thickness (m)	Description	
>2.39	Peat	
Core: K2		
N: 51° 27.353'	W: 002° 47.829'	Surface altitude (m OD): 5.175
Bed Thickness (m)	Description	
2.55	Peat. Sharp boundary	
0.04	Dark yellowish brown peaty sand. Sharp boundary	
>0.37	Light brownish grey to light bluish grey well sorted medium sand with rotten pebbles. Contains plant and shell fragments	
Core: K3		
N: 51° 27.348'	W: 002° 47.829'	Surface altitude (m OD): 5.192
Bed Thickness (m)	Description	
2.58	Peat. Sharp boundary	
0.25	Light yellowish brown medium sand with occasional granules. Contains shell fragments	
0.06	Not recovered	
>0.06	Light yellowish brown poorly sorted medium sand	
Core: K4		
N: 51° 27.393'	W: 002° 47.880'	Surface altitude (m OD): *4.738
Bed Thickness (m)	Description	
2.93	Peat. Sharp boundary	
0.10	Dark greyish brown silt containing plant fragments. Sharp boundary	
0.09	Dark grey very fine sand. Sharp boundary	
0.19	Very dark greyish brown organic-rich silt. Sharp boundary	
0.12	Light bluish grey coarse sand containing plant and shell fragments. Sharp boundary	
>0.25	Pinkish grey slightly clayey medium to fine sand with occasional granules. Contains shell fragments and rootlets	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: K5		
N: 51° 27.390'	W: 002° 47.880'	Surface altitude (m OD): *4.887
Bed Thickness (m)	Description	
2.95	Peat. Sharp boundary	
0.24	Dark greyish brown very fine sand containing plant fragments	
0.15	Not recovered	
0.09	Light bluish grey coarse sand with occasional granules and a single large limestone clast. Sharp boundary	
>0.27	Light brown medium sand with occasional granules. Contains plant fragments	
Core: K6		
N: 51° 27.378'	W: 002° 47.873'	Surface altitude (m OD): *4.915
Bed Thickness (m)	Description	
2.79	Peat. Sharp boundary	
0.16	Greyish brown very fine sand containing plant fragments. Sharp boundary	
0.19	Very dark grey silt containing plant fragments and abundant rootlets. Sharp boundary	
>0.08	Bluish grey medium sand containing plant fragments	
Core: K7		
N: 51° 27.366'	W: 002° 47.860'	Surface altitude (m OD): 5.132
Bed Thickness (m)	Description	
3.03	Peat. Sharp boundary	
0.22	Greyish brown to dark brown sandy silt containing plant fragments. Sharp boundary	
0.16	Bluish grey medium sand containing plant fragments. Gradational boundary	
>0.06	Light brownish grey medium sand containing shell fragments	
Core: K8		
N: 51° 27.355'	W: 002° 47.852'	Surface altitude (m OD): 5.195
Bed Thickness (m)	Description	
>2.86	Peat	
Core: K9		
N: 51° 27.343'	W: 002° 47.846'	Surface altitude (m OD): 5.207
Bed Thickness (m)	Description	
2.64	Peat. Sharp boundary	
>0.28	Light brownish grey poorly sorted medium sand with abundant granules. Contains plant and shell fragments	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: K10		
N: 51° 27.389'	W: 002° 47.897'	Surface altitude (m OD): 5.121
Bed Thickness (m)	Description	
2.98	Peat. Sharp boundary	
>0.60	Light bluish grey very fine sand containing abundant plant fragments	
Core: K11		
N: 51° 27.376'	W: 002° 47.886'	Surface altitude (m OD): 5.055
Bed Thickness (m)	Description	
3.06	Peat. Sharp boundary	
0.11	Dark grey silt containing abundant plant fragments. Sharp boundary	
0.06	Dark greyish brown silt containing abundant plant fragments. Sharp boundary	
0.09	Very dark greyish brown organic-rich silt. Shell fragments at upper contact. Sharp boundary	
>0.18	Bluish grey coarse sand with single very angular limestone clast. Contains plant fragments	
Core: K12		
N: 51° 27.365'	W: 002° 47.877'	Surface altitude (m OD): 5.168
Bed Thickness (m)	Description	
2.83	Peat. Sharp boundary	
0.07	Light grey silt containing plant fragments. Sharp boundary	
0.06	Dark grey fine sand containing plant fragments. Sharp boundary	
>0.20	Very dark grey organic-rich silt. Contains shell fragments	
Core: K13		
N: 51° 27.354'	W: 002° 47.871'	Surface altitude (m OD): 5.105
Bed Thickness (m)	Description	
2.84	Peat. Sharp boundary	
0.08	Greyish brown upward fining very fine sand to silt. Contains plant fragments. Sharp boundary	
>0.11	Very dark greyish brown organic-rich silt	
Core: K14		
N: 51° 27.339'	W: 002° 47.862'	Surface altitude (m OD): 5.207
Bed Thickness (m)	Description	
2.58	Peat. Sharp boundary	
>0.05	Grey coarse sand	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: K15 N: 51° 27.334' Bed Thickness (m) 2.71 >0.27	W: 002° 47.859' Description Peat. Sharp boundary Greyish brown coarse sand containing plant fragments	Surface altitude (m OD): 5.167
Core: K16 N: 51° 27.334' Bed Thickness (m) 2.60 0.07 0.25 0.15 >0.11	W: 002° 47.841' Description Peat. Sharp boundary Light brownish grey coarse sand. Sharp boundary Yellowish brown coarse sand with single rotten limestone clast. Sharp boundary Strong brown coarse sand. Sharp boundary Brown coarse sand containing shell fragments	Surface altitude (m OD): 5.132
Core: K17 N: 51° 27.312' Bed Thickness (m) 2.32 >0.18	W: 002° 47.823' Description Peat. Sharp boundary Brownish yellow coarse sand with occasional granules	Surface altitude (m OD): 5.044
Core: K18 N: 51° 27.334' Bed Thickness (m) 2.74 >0.17	W: 002° 47.854' Description Peat. Sharp boundary Reddish yellow coarse sand	Surface altitude (m OD): 5.226
Core: K19 N: 51° 27.314' Bed Thickness (m) 1.98 >0.17	W: 002° 47.829' Description Peat. Sharp boundary Brownish yellow coarse sand with occasional granules	Surface altitude (m OD): 5.060

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: K20 N: 51° 27.323' Bed Thickness (m) 2.47 >0.17	W: 002° 47.848' Description Peat. Sharp boundary Brownish yellow medium to coarse sand. Lens of grey sand	Surface altitude (m OD): 5.144
Core: K21 N: 51° 27.308' Bed Thickness (m) 2.09 0.04 >0.12	W: 002° 47.838' Description Peat. Sharp boundary Light yellowish brown coarse sand with occasional granules. Contains shell fragments. Sharp boundary Brownish yellow coarse sand with occasional granules and a small angular stone. Contains shell fragments	Surface altitude (m OD): 5.028
Core: K22 N: 51° 27.329' Bed Thickness (m) 2.65 >0.16	W: 002° 47.871' Description Peat. Sharp boundary Light yellowish brown upward fining coarse to fine sand. Contains plant fragments	Surface altitude (m OD): 5.171
Core: K23 N: 51° 27.318' Bed Thickness (m) 2.72 >0.17	W: 002° 47.866' Description Peat. Sharp boundary Brownish yellow coarse sand with occasional granules	Surface altitude (m OD): 5.139
Core: K24 N: 51° 27.305' Bed Thickness (m) 2.31 0.16 >0.13	W: 002° 47.862' Description Peat. Sharp boundary Brownish yellow medium to coarse sand with occasional granules and rare rotten limestone and sandstone clasts. Sharp boundary Brownish yellow matrix-supported gravel of granules and small sub-angular stones in a sandy matrix	Surface altitude (m OD): 5.115
Core: K25 N: 51° 27.294' Bed Thickness (m) >2.48	W: 002° 47.861' Description Peat	Surface altitude (m OD): *4.856

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: K26

N: 51° 27.284'

Bed Thickness (m)

2.11

0.05

>0.12

W: 002° 47.864'

Description

Peat. Sharp boundary

Black peaty sand. Sharp boundary

Light yellowish brown coarse sand

Surface altitude (m OD): * 4.704

Core: L1

N: 51° 27.622'

Bed Thickness (m)

0.50

0.29

0.06

0.10

0.45

0.34

0.66

0.08

0.12

0.04

0.10

>0.08

W: 002° 47.609'

Description

Topsoil. Contains shell fragments

Light bluish grey clay, becoming mottled yellowish red. Sharp boundary

Peat

Not recovered

Peat

Not recovered

Peat. Sharp boundary

Light bluish grey stiff clay with yellowish red mottles

Not recovered

Greenish grey gritty clay

Not recovered

Greenish grey gritty clay

Surface altitude (m OD): 5.747

Core: L2

N: 51° 27.609'

Bed Thickness (m)

0.29

0.36

0.03

0.03

1.76

0.23

>0.54

W: 002° 47.597'

Description

Topsoil containing shell fragments. Sharp boundary

Light bluish grey stiff clay with yellowish red mottles. Sharp boundary

Peat. Sharp boundary

Bluish grey stiff clay with yellowish red mottles. Sharp boundary

Peat

Not recovered

Bluish grey well sorted clayey medium sand with occasional granules, very rotten, angular limestone clasts and 'ghosts' of limestone clasts

Surface altitude (m OD): 5.547

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: L3		
N: 51° 27.599'	W: 002° 47.588'	Surface altitude (m OD): 5.330
Bed Thickness (m)	Description	
>2.31	Peat	
Core: L4		
N: 51° 27.635'	W: 002° 47.594'	Surface altitude (m OD): 5.550
Bed Thickness (m)	Description	
0.20	Topsoil. Sharp boundary	
0.29	Red clay containing with granules. Sharp boundary	
0.17	Very dark grey stiff clay. Gradational boundary	
0.27	Greenish grey stiff clay. Sharp boundary	
1.21	Peat	
0.13	Not recovered	
>0.71	Bluish grey well sorted fine sand with rare sub-round large limestone clasts	
Core: L5		
N: 51° 27.619'	W: 002° 47.578'	Surface altitude (m OD): 5.380
Bed Thickness (m)	Description	
0.37	Topsoil. Sharp boundary	
1.99	Peat. Sharp boundary	
0.14	Dark bluish grey gritty clay containing plant fragments	
0.33	Not recovered	
0.23	Light bluish grey to dark greenish grey gritty clay with abundant granules and medium stones. Sharp boundary	
>0.18	Brown matrix-supported gravel of granules and round and sub-round medium and large stones in a gritty clay matrix	
Core: L6		
N: 51° 27.610'	W: 002° 47.570'	Surface altitude (m OD): 5.435
Bed Thickness (m)	Description	
0.35	Topsoil. Sharp boundary	
2.23	Peat. sharp boundary	
0.14	Grey to brown fine sand with occasional granules and small to large angular sand stone clasts. Sharp boundary	
>0.21	Brown matrix-supported gravel of granules to large stones in a fine sand matrix	

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Core: L7

N: 51° 27.599'

W: 002° 47.567'

Surface altitude (m OD): 5.325

Bed Thickness (m)

Description

0.08

Topsoil. Sharp boundary

0.10

Dark grey clay with yellowish red mottles. Sharp boundary

1.92

Peat

0.11

Disturbed

0.22

Dark bluish grey gritty clay containing wood fragments

0.38

Disturbed/not recovered

>0.09

Brown matrix-supported gravel of granules and small to medium stones in a sandy matrix

Core: L8

N: 51° 27.637'

W: 002° 47.571'

Surface altitude (m OD): 5.568

Bed Thickness (m)

Description

0.43

Topsoil. Sharp boundary

0.33

Dark grey stiff clay. Sharp boundary

1.45

Peat. Sharp boundary

0.20

Dark grey clayey fine sand containing very fine shell fragments

0.32

Not recovered

0.02

Brown stiff clay. Sharp boundary

>0.22

Greenish grey fine to medium sand with occasional small angular limestone and sandstone clasts. Contains shell fragments

Core: L9

N: 51° 27.622'

W: 002° 47.564'

Surface altitude (m OD): 5.473

Bed Thickness (m)

Description

0.35

Topsoil of bluish grey clay with reddish yellow mottles. Sharp boundary

1.85

Peat

0.04

Disturbed

0.37

Dark bluish grey slightly gritty stiff clay. Contains 3 cm long wood fragment. Sharp boundary

0.37

Greenish grey matrix-supported gravel of granules and small to large stones in a clayey sand matrix with lenses of clay and coarse sand. Contains wood fragment. Sharp boundary

0.08

Bluish grey clayey medium sand containing shell fragments. Sharp boundary

>0.10

Greenish grey silt

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: L10		
N: 51° 27.611'	W: 002° 47.555'	Surface altitude (m OD): 5.388
Bed Thickness (m)	Description	
2.43	Peat. Sharp boundary	
0.41	Bluish grey slightly gritty stiff clay. Sharp boundary	
>0.14	Pale brown fine sand with occasional granules and small stones. Contains abundant shell fragments	
Core: L11		
N: 51° 27.601'	W: 002° 47.548'	Surface altitude (m OD): 5.255
Bed Thickness (m)	Description	
2.27	Peat. Sharp boundary	
0.09	Very dark greyish brown clay containing plant fragments. Sharp boundary	
>0.25	Dark grey well sorted medium sand	
Core: L12		
N: 51° 27.642'	W: 002° 47.551'	Surface altitude (m OD): 5.394
Bed Thickness (m)	Description	
0.27	Topsoil. Sharp boundary	
0.19	Dark grey stiff clay. Sharp boundary	
1.56	Peat. Sharp boundary	
0.08	Very dark greyish brown fine sand containing plant and wood fragments	
0.06	Disturbed	
0.06	Dark grey well sorted fine sand	
0.18	Disturbed	
0.09	Greenish grey well sorted fine sand with occasional medium stones. Sharp boundary	
>0.11	Brown matrix-supported gravel of granules and large stones in a fine sand matrix	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: L13

N: 51° 27.628'

W: 002° 47.541'

Surface altitude (m OD): 5.394

Bed Thickness (m)

Description

0.24

Topsoil. Sharp boundary

1.95

Peat. Sharp boundary

0.19

Greenish grey gritty clay

0.09

Not recovered

0.34

Pale brown matrix-supported gravel of granules and large sub-angular to sub-round stones in a sandy clayey matrix. Sharp boundary

0.14

Pale brown clay with light greenish grey clay streak. Sharp boundary

>0.03

Light brown well sorted medium sand with occasional small stones

Core: L14

N: 51° 27.614'

W: 002° 47.536'

Surface altitude (m OD): 5.413

Bed Thickness (m)

Description

0.14

Topsoil. Sharp boundary

2.32

Peat. Sharp boundary

0.15

Bluish grey dense slightly gritty clay containing wood fragments. Sharp boundary

0.19

Peat. Sharp boundary

0.04

Bluish grey clay. Sharp boundary

>0.07

Pale brown matrix-supported gravel of small to large sub-angular to round stones in a sandy clayey matrix

Core: L15

N: 51° 27.607'

W: 002° 47.532'

Surface altitude (m OD): 5.366

Bed Thickness (m)

Description

2.51

Peat. Sharp boundary

0.12

Bluish grey slightly gritty clay

0.06

Not recovered

0.17

Greenish grey very gritty clay. Sharp boundary

>0.06

Pale brown medium sand

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: L16		
N: 51° 27.648'	W: 002° 47.529'	Surface altitude (m OD): 5.513
Bed Thickness (m)	Description	
0.34	Topsoil. Sharp boundary	
1.51	Peat. Gradational boundary	
0.35	Very dark greyish brown to bluish grey clay containing plant fragments	
0.07	Not recovered	
0.07	Bluish grey to greyish brown clayey sand containing plant fragments, rotten stones and rotten shell fragments.	
	Sharp boundary	
>0.21	Light brownish grey matrix-supported gravel of granules and small to medium angular to round stones in a fine sand matrix	
Core: L17		
N: 51° 27.636'	W: 002° 47.520'	Surface altitude (m OD): 5.459
Bed Thickness (m)	Description	
0.32	Topsoil. Sharp boundary	
0.08	Very dark grey stiff clay. Sharp boundary	
1.64	Peat. Sharp boundary	
>0.21	Light grey clay containing plant and shell fragments	
Core: L18		
N: 51° 27.623'	W: 002° 47.512'	Surface altitude (m OD): 5.431
Bed Thickness (m)	Description	
0.18	Topsoil. Sharp boundary	
>2.48	Peat	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: L19

N: 51° 27.619'

W: 002° 47.508'

Surface altitude (m OD): 5.472

Bed Thickness (m)

Description

2.56	Peat. Sharp boundary
0.10	Very dark bluish grey clay
0.02	Disturbed
0.08	Grey medium sand with occasional small sub-angular and round stones, some rotten. Sharp boundary
0.07	Greenish grey gritty clay
0.04	Not recovered
0.11	Greenish grey slightly gritty clay with single sub-angular small stone. Sharp boundary
0.16	Pinkish grey well sorted medium sand with occasional medium to large stones. Sharp boundary
>0.18	Reddish grey matrix-supported gravel of medium stones in a fine sand matrix. Some greenish grey stones very rotten. Contains very fine shell fragments

Core: L20

N: 51° 27.652'

W: 002° 47.509'

Surface altitude (m OD): 5.525

Bed Thickness (m)

Description

0.34	Topsoil. Sharp boundary
1.58	Peat. Sharp boundary
0.06	Dark grey clay
0.26	Not recovered
0.12	Bluish grey clay. Sharp boundary
>0.25	Light yellowish brown very well sorted fine sand with occasional small to medium stones, some very rotten. Sand becomes light brown then yellowish red with increased depth

Core: L21

N: 51° 27.641'

W: 002° 47.501'

Surface altitude (m OD): 5.502

Bed Thickness (m)

Description

0.20	Topsoil. Sharp boundary
2.07	Peat. Sharp boundary
0.08	Very dark greyish brown clay containing plant fragments. Sharp boundary
0.05	Bluish grey clay containing wood fragment
0.02	Disturbed
0.07	Bluish grey slightly gritty clay
0.04	Disturbed
0.06	Bluish grey slightly gritty clay. Sharp boundary
>0.15	Greyish brown very well sorted medium sand

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: L22

N: 51° 27.629'

Bed Thickness (m)

2.12
0.02
0.33
0.06
0.17
0.03
0.05
>0.26

W: 002° 47.496'

Surface altitude (m OD): 5.491

Description

Peat. Sharp boundary
Very dark greyish brown clay
Not recovered
Very dark greyish brown clay. Sharp boundary
Bluish grey clay. Sharp boundary
Greyish brown fine sand. Sharp boundary
Bluish grey clay. Sharp boundary
Greyish brown well sorted medium sand with occasional granules and small stones

Core: L23

N: 51° 27.617'

Bed Thickness (m)

2.34
0.08
0.31
0.05
>0.08

W: 002° 47.490'

Surface altitude (m OD): 5.369

Description

Peat. Sharp boundary
Dark bluish grey clay containing plant fragments. Sharp boundary
Bluish grey slightly gritty clay. Sharp boundary
Grey well sorted fine sand. Sharp boundary
Pinkish grey matrix-supported gravel of granules and small to large sub-round to round stones in a fine sand matrix. Some rotten stones

Core: L24

N: 51° 27.662'

Bed Thickness (m)

0.20
1.89
0.13
0.02
0.15
0.09
0.16
>0.02

W: 002° 47.490'

Surface altitude (m OD): 5.640

Description

Topsoil. Sharp boundary
Peat. Sharp boundary
Very dark greyish brown clay containing wood fragments
Disturbed
Bluish grey gritty clay containing wood fragments
Not recovered
Bluish grey clay. Sharp boundary
Light reddish brown matrix-supported gravel of small to large sub-angular stones in a sandy matrix

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: L25

N: 51° 27.648'

Bed Thickness (m)

2.19

0.06

0.18

0.27

>0.04

W: 002° 47.482'

Description

Peat

Disturbed

Dark grey clay containing rootlets. Sharp boundary

Bluish grey gritty clay containing plant fragments. Sharp boundary

Light brownish grey fine sand

Surface altitude (m OD): 5.594

Core: L26

N: 51° 27.634'

Bed Thickness (m)

2.72

0.02

0.10

>0.04

W: 002° 47.474'

Description

Peat. Sharp boundary

Bluish grey gritty clay. Sharp boundary

Yellow clay with vertically aligned flint cobble. Sharp boundary

Yellow fine sand

Surface altitude (m OD): 5.564

Core: L27

N: 51° 27.625'

Bed Thickness (m)

2.39

0.07

0.05

0.10

0.25

>0.02

W: 002° 47.470'

Description

Peat. Sharp boundary

Very dark bluish grey slightly gritty clay containing occasional plant fragments

Disturbed

Bluish grey clay with strong brown mottles containing vertically oriented plant stems. Sharp boundary

Pale brown to light brown slightly marly clay. Gradational boundary

Reddish yellow upward fining medium sand with occasional granules

Surface altitude (m OD): 5.308

Core: L28

N: 51° 27.670'

Bed Thickness (m)

1.98

0.12

0.34

>0.14

W: 002° 47.472'

Description

Peat. Sharp boundary

Grey clay containing vertically oriented organics. Gradational boundary

Light brownish grey gritty clay, becoming light yellowish brown with increased depth. Sharp boundary

Yellowish red matrix-supported gravel of granules and small to medium stones in a fine sand matrix

Surface altitude (m OD): 5.709

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: L29		
N: 51° 27.658'	W: 002° 47.462'	Surface altitude (m OD): 5.703
Bed Thickness (m)	Description	
0.13	Peat. Sharp boundary	
0.32	Very dark grey peaty gritty clay with granules and small stones containing shell fragments. Sharp boundary	
0.21	Very dark greyish brown very gritty clay. Sharp boundary marked by line of shells and shell fragments	
0.13	Peat. Sharp boundary	
0.02	Peat with shells. Sharp boundary	
1.96	Peat. Sharp boundary	
>0.01	Grey slightly clayey medium sand with occasional granules	
Core: L30		
N: 51° 27.646'	W: 002° 47.453'	Surface altitude (m OD): 5.781
Bed Thickness (m)	Description	
2.86	Peat. Sharp boundary	
0.06	Bluish black clay. Sharp boundary	
0.38	Light yellowish brown slightly gritty clay with rare small stones. Sharp boundary	
>0.07	Reddish yellow matrix-supported gravel of granules and small stones in a sandy matrix	
Core: L31		
N: 51° 27.633'	W: 002° 47.448'	Surface altitude (m OD): 5.248
Bed Thickness (m)	Description	
2.59	Peat. Sharp boundary	
0.23	Brownish yellow to light yellowish brown gritty clay. Sharp boundary	
>0.06	Light yellowish brown well sorted fine sand containing large shell fragments	
Core: L32		
N: 51° 27.676'	W: 002° 47.453'	Surface altitude (m OD): 5.646
Bed Thickness (m)	Description	
0.55	Peat. Sharp boundary	
0.14	Bluish grey slightly gritty dense clay. Sharp boundary	
1.43	Peat. Sharp boundary	
0.01	Light yellowish brown slightly gritty clay. Sharp boundary	
0.05	Olive yellow fine sand. Sharp boundary	
>0.13	Light yellowish brown clay becoming reddish yellow with increased depth. Large sub-angular stone at core base	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: L33		
N: 51° 27.661'	W: 002° 47.442'	Surface altitude (m OD): 5.789
Bed Thickness (m)	Description	
2.77	Peat. Sharp boundary	
0.04	Sandy peat. Sharp boundary	
0.17	Black muddy clayey peat. Sharp boundary	
>0.14	Grey slightly gritty clay	
Core: L34		
N: 51° 27.449'	W: 002° 47.433'	Surface altitude (m OD): 5.815
Bed Thickness (m)	Description	
0.15	Reddish brown topsoil. Sharp boundary	
2.50	Peat. Sharp boundary	
0.09	Dark grey clayey peat. Sharp boundary	
0.26	Light yellowish brown slightly gritty clay with single very rotten stone. Sharp boundary	
>0.06	Reddish yellow slightly clayey medium sand with occasional granules	
Core: L35		
N: 51° 27.636'	W: 002° 47.424'	Surface altitude (m OD): 5.275
Bed Thickness (m)	Description	
2.05	Peat. Gradational boundary	
0.14	Dark bluish grey organic-rich muddy clay. Sharp boundary	
>0.55	Pale brown slightly gritty clay becoming brownish yellow with increased depth. Contains <i>in situ</i> reed stem	
Core: L36		
N: 51° 27.624'	W: 002° 47.415'	Surface altitude (m OD): 5.425
Bed Thickness (m)	Description	
2.47	Peat	
0.26	Disturbed	
0.19	Light brownish grey slightly gritty clay containing rare plant fragments. Sharp boundary	
>0.13	Light brown medium sand becoming reddish yellow with increased depth. Contains vertically oriented large round stone	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: L37		
N: 51° 27.611'	W: 002° 47.407'	Surface altitude (m OD): 5.418
Bed Thickness (m)	Description	
2.36	Peat. Gradational boundary	
0.06	Dark bluish grey slightly gritty muddy clay containing plant fragments. Sharp boundary	
0.53	Light bluish grey slightly gritty clay with two large sub-angular stones. Sharp boundary	
0.06	Pale brown fine sand with large sub-angular stone at lower contact. Sharp boundary	
>0.07	Dark grey slightly gritty clay	
Core: L38		
N: 51° 27.600'	W: 002° 47.399'	Surface altitude (m OD): 5.502
Bed Thickness (m)	Description	
2.61	Peat. Gradational boundary	
0.20	Dark bluish grey very muddy gritty clay. Sharp boundary	
>0.12	Light olive brown fine sand with large angular stone	
Core: L39		
N: 51° 27.587'	W: 002° 47.392'	Surface altitude (m OD): 5.386
Bed Thickness (m)	Description	
0.50	Peat with large angular stone. Sharp boundary	
0.08	Bluish grey clay with greyish brown mottles. Sharp boundary	
>2.14	Peat	
Core: L40		
N: 51° 27.574'	W: 002° 47.384'	Surface altitude (m OD): 5.311
Bed Thickness (m)	Description	
0.49	Dark greyish brown topsoil. Sharp boundary	
2.33	Peat. Sharp boundary	
0.03	Dark bluish grey clay. Sharp boundary	
0.10	Bluish grey gritty clay. Sharp boundary	
0.11	Bluish grey gritty clay, grittier than overlying bed. Sharp boundary	
0.08	Brown fine sand with occasional granules. Contains very rotten shell fragments. Sharp boundary	
>0.20	Strong brown matrix-supported gravel of granules and small round stones in a sandy matrix	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: L41		
N: 51° 27.561'	W: 002° 47.375'	Surface altitude (m OD): 5.661
Bed Thickness (m)	Description	
>3.22	Peat	
Core: L42		
N: 51° 27.549'	W: 002° 47.368'	Surface altitude (m OD): 5.438
Bed Thickness (m)	Description	
0.47	Peat. Sharp boundary	
0.15	Bluish grey clay. Sharp boundary	
2.35	Peat. Sharp boundary	
0.07	Bluish grey clay containing abundant plant material. Sharp boundary	
0.05	Bluish black clay containing abundant pant material. Sharp boundary	
0.07	Bluish grey clay containing plant material. Sharp boundary	
0.05	Olive gritty clay. Sharp boundary	
>0.15	Grey upward fining medium to fine sand with occasional granules	
Core: L43		
N: 51° 27.544'	W: 002° 47.365'	Surface altitude (m OD): 5.446
Bed Thickness (m)	Description	
0.31	Clayey peat topsoil. Sharp boundary	
0.29	Bluish grey clay. Sharp boundary	
2.34	Peat. Sharp boundary	
0.10	Grey clay. Sharp boundary	
0.02	Grey fine sand. Sharp boundary	
0.05	Grey clay. Sharp boundary	
0.05	Dark grey organic-rich peaty clay. Sharp boundary	
0.06	Greenish grey clay. Sharp boundary	
0.09	Grey fine sand with occasional granules. Contains plant and shell fragments. Sharp boundary	
>0.13	Grey gritty clay	
Core: L44		
N: 51° 27.666'	W: 002° 47.421'	Surface altitude (m OD): 5.319
Bed Thickness (m)	Description	
2.66	Peat. Sharp boundary	
>0.09	Yellow very well sorted medium sand with a single round medium stone	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: L45		
N: 51° 27.654'	W: 002° 47.412'	Surface altitude (m OD): 5.718
Bed Thickness (m)	Description	
2.53	Peat. Sharp boundary	
0.12	Very dark grey organic-rich clayey peaty mud. Sharp boundary	
0.03	Light olive brown clay. Sharp boundary	
0.13	Greyish brown gritty clayey mud. Sharp boundary	
0.12	Yellow well sorted fine sand. Sharp boundary	
>0.20	Reddish yellow matrix-supported gravel of granules and small angular and round stones in a medium to coarse sand matrix	
Core: L46		
N: 51° 27.641'	W: 002° 47.401'	Surface altitude (m OD): 5.669
Bed Thickness (m)	Description	
2.42	Peat. Sharp boundary	
0.33	Light yellowish brown gritty clay. Sharp boundary	
>0.09	Brownish yellow matrix-supported gravel of small stones and a single very large stone in a clayey fine sand matrix	
Core: L47		
N: 51° 27.629'	W: 002° 47.392'	Surface altitude (m OD): 5.775
Bed Thickness (m)	Description	
2.56	Peat. Sharp boundary	
0.17	Dark bluish grey clay containing plant fragments. Sharp boundary	
0.19	Light brownish grey gritty clay. Sharp boundary	
0.14	Brownish yellow matrix-supported gravel of granules and round medium stones in a clayey fine sand matrix. Sharp boundary	
0.11	Brownish yellow gritty clay. Sharp boundary	
0.09	Yellow well sorted fine sand. Gradational boundary	
>0.18	Strong brown upward fining gravelly sand with granules and rare small stones	
Core: L48		
N: 51° 27.617'	W: 002° 47.384'	Surface altitude (m OD): 5.735
Bed Thickness (m)	Description	
2.58	Peat. Sharp boundary	
>0.37	Very dark bluish grey organic-rich gritty clay	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: L49		
N: 51° 27.604'	W: 002° 47.374'	Surface altitude (m OD): 5.698
Bed Thickness (m)	Description	
2.62	Peat. Sharp boundary	
0.24	Dark greyish brown gritty clay, becoming bluish grey with increased depth. Contains abundant plant fragments. Sharp boundary	
0.16	Brownish yellow well sorted medium sand. Sharp boundary	
0.05	Strong brown matrix-supported gravel of granules and well-round small stones in a sandy matrix. Sharp boundary	
0.09	Brownish yellow gritty clay. Gradational boundary	
>0.24	Strong brown clayey sand with occasional granules and well-round small stones	
Core: L50		
N: 51° 27.594'	W: 002° 47.366'	Surface altitude (m OD): 5.747
Bed Thickness (m)	Description	
>2.71	Peat	
Core: L51		
N: 51° 27.581'	W: 002° 47.357'	Surface altitude (m OD): 5.552
Bed Thickness (m)	Description	
2.76	Peat. Sharp boundary	
0.06	Very dark greenish grey gritty clay containing abundant plant fragments. Sharp boundary	
0.24	Greenish grey moderately sorted medium sand with granules. Sharp boundary	
0.19	Bluish grey gritty clay. Sharp boundary	
>0.14	Bluish grey moderately sorted medium sand with small angular stones, becoming brown with increased depth.	
Core: L52		
N: 51° 27.568'	W: 002° 47.349'	Surface altitude (m OD): 5.531
Bed Thickness (m)	Description	
2.91	Peat. Sharp boundary	
>0.19	Very dark bluish grey organic-rich gritty clay	
Core: L53		
N: 51° 27.556'	W: 002° 47.340'	Surface altitude (m OD): 5.506
Bed Thickness (m)	Description	
>2.99	Peat	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: L54

N: 51° 27.649'

Bed Thickness (m)

2.41

0.06

0.04

0.02

0.16

>0.21

W: 002° 47.384'

Surface altitude (m OD): 5.681

Description

Peat. Sharp boundary

Greyish brown slightly gritty clay containing abundant plant fragments. Sharp boundary

Yellow gritty clay. Sharp boundary

Yellow medium sand. Sharp boundary

Yellow gritty clay. Sharp boundary

Brownish yellow poorly sorted medium sand with granules and a single large stone

Core: L55

N: 51° 27.639'

Bed Thickness (m)

2.44

0.10

0.47

0.05

>0.10

W: 002° 47.371'

Surface altitude (m OD): 5.637

Description

Peat. Gradational boundary

Grey muddy clay. Gradational boundary

Light bluish grey gritty clay becoming very pale brown with increased depth. Contains plant fragments. Sharp boundary

Very pale brown well sorted fine sand. Sharp boundary

Yellow matrix-supported gravel of large round stones in a sandy matrix

Core: L56

N: 51° 27.626'

Bed Thickness (m)

2.53

0.26

0.03

0.20

>0.05

W: 002° 47.356'

Surface altitude (m OD): 5.685

Description

Peat. Sharp boundary

Very dark grey gritty muddy clay containing plant fragments. Sharp boundary

Light greenish grey coarse sand containing plant fragments. Sharp boundary

Light greenish grey gritty clay containing plant fragments. Sharp boundary

Light greenish grey poorly sorted fine sand with a single very angular medium stone. Contains plant fragments

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: L57		
N: 51° 27.616'	W: 002° 47.343'	Surface altitude (m OD): 5.608
Bed Thickness (m)	Description	
2.54	Peat. Sharp boundary	
0.32	Dark greyish brown well sorted fine sand with a single sub-angular large stone, becoming greenish grey with increased depth. Contains plant fragments. Sharp boundary	
0.13	Greenish grey gritty clay with occasional small angular stones. Contains plant fragments. Sharp boundary	
>0.12	Greenish grey well sorted fine sand with a single medium stone	
Core: L58		
N: 51° 27.605'	W: 002° 47.332'	Surface altitude (m OD): 5.740
Bed Thickness (m)	Description	
>2.57	Peat	
Core: L59		
N: 51° 27.594'	W: 002° 47.318'	Surface altitude (m OD): 5.661
Bed Thickness (m)	Description	
2.74	Peat. Gradational boundary	
0.18	Light greenish grey gritty clay containing plant fragments	
0.29	Disturbed	
0.08	Not recovered	
0.05	Light greenish grey gritty clay. Sharp boundary	
>0.27	Grey well sorted fine sand with occasional stones. Becomes light grey then yellow then brownish yellow with increased depth	
Core: L60		
N: 51° 27.584'	W: 002° 47.306'	Surface altitude (m OD): 5.539
Bed Thickness (m)	Description	
>2.93	Peat	
Core: L61		
N: 51° 27.577'	W: 002° 47.300'	Surface altitude (m OD): 5.422
Bed Thickness (m)	Description	
>2.99	Peat	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: L62

N: 51° 27.634'

Bed Thickness (m)

2.76

0.04

0.12

0.16

0.03

0.05

0.06

>0.07

W: 002° 47.343'

Description

Peat. Sharp boundary

Bluish grey slightly gritty clay. Sharp boundary

Grey matrix-supported gravel of angular small stones in a very gritty clay matrix. Sharp boundary

Light grey slightly marly gritty clay, becoming very pale brown with increased depth. Sharp boundary

Light grey well sorted very fine sand. Sharp boundary

Very pale brown slightly gritty clay. Sharp boundary

Very pale brown matrix-supported gravel of medium stones in a gritty clay matrix. Sharp boundary

Yellow poorly fine sand with granules

Surface altitude (m OD): 5.586

Core: L63

N: 51° 27.623'

Bed Thickness (m)

>2.42

W: 002° 47.331'

Description

Peat

Surface altitude (m OD): 5.584

Core: L64

N: 51° 27.613'

Bed Thickness (m)

0.15

0.41

1.87

0.08

0.23

0.22

>0.05

W: 002° 47.318'

Description

Peat. Sharp boundary

Bluish grey clay. Sharp boundary

Peat. Sharp boundary

Dark greyish brown muddy gritty clay containing plant fragments. Sharp boundary

Grey gritty clay with a single sub-angular medium stone, becoming light bluish grey with increased depth.

Contains plant fragments. Sharp boundary

Olive fine sand. Sharp boundary

Light greenish grey gritty clay

Surface altitude (m OD): 5.661

Core: L65

N: 51° 27.602'

Bed Thickness (m)

0.36

0.19

2.20

0.27

>0.25

W: 002° 47.304'

Description

Peat. Sharp boundary

Bluish grey clay. Sharp boundary

Peat. Sharp boundary

Dark greyish brown muddy gritty clay containing plant fragments. Sharp boundary

Greenish grey moderately sorted fine to medium sand with rare small pebbles

Surface altitude (m OD): 5.609

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: L66

N: 51° 27.592'

W: 002° 47.290'

Surface altitude (m OD): 5.570

Bed Thickness (m)

Description

0.13

Dark greyish brown topsoil. Sharp boundary

0.16

Bluish grey clay. Sharp boundary

2.53

Peat. Sharp boundary

0.22

Greenish grey muddy gritty clay containing plant fragments

0.15

Not recovered

0.06

Bluish grey gritty clay containing plant fragments. Sharp boundary

>0.03

Well sorted fine sand with rare well-round small stones and occasional plant fragments

Core: L67

N: 51° 27.585'

W: 002° 47.282'

Surface altitude (m OD): 5.373

Bed Thickness (m)

Description

0.15

Dark reddish brown topsoil. Sharp boundary

0.27

Bluish grey clay with reddish yellow mottles. Sharp boundary

2.59

Peat. Sharp boundary

>0.08

Very dark greyish brown peaty coarse sand

Core: L68

N: 51° 27.621'

W: 002° 47.303'

Surface altitude (m OD): 5.706

Bed Thickness (m)

Description

0.36

Dark reddish brown topsoil. Sharp boundary

0.12

Bluish grey clay. Sharp boundary

2.15

Peat.. Sharp boundary

>0.13

dark greyish brown muddy gritty clay containing plant fragments

Core: L69

N: 51° 27.611'

W: 002° 47.289'

Surface altitude (m OD): 5.613

Bed Thickness (m)

Description

0.57

Dark reddish brown topsoil. Sharp boundary

0.17

Bluish grey clay. Sharp boundary

1.98

Peat. Sharp boundary

0.16

Grey muddy clay containing plant fragments. Sharp boundary

0.12

Bluish grey gritty clay containing plant fragments. Sharp boundary

>0.36

Bluish grey poorly sorted upward coarsening medium to coarse sand with rare granules and round medium stones. Becomes light yellowish brown then reddish brown then olive with increased depth

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: L70		
N: 51° 27.601'	W: 002° 47.275'	Surface altitude (m OD): 5.509
Bed Thickness (m)	Description	
0.15	Dark reddish brown topsoil. Sharp boundary	
0.43	Bluish grey clay. Sharp boundary	
>2.26	Peat	
Core: L71		
N: 51° 27.595'	W: 002° 47.265'	Surface altitude (m OD): 5.580
Bed Thickness (m)	Description	
0.38	Dark reddish brown topsoil. Sharp boundary	
0.25	Bluish grey clay with strong brown mottles. Sharp boundary	
>2.67	Peat	
Core: M1		
N: 51° 27.706'	W: 002° 47.670'	Surface altitude (m OD): 5.614
Bed Thickness (m)	Description	
0.52	Dark reddish brown stony topsoil containing shell fragments. Sharp boundary	
0.12	Bluish grey dense clay with reddish yellow mottles. Sharp boundary	
0.30	Peat. Sharp boundary	
0.30	Bluish grey gritty clay containing plant fragments. Sharp boundary	
>0.04	Light brownish grey clayey sand	
Core: M2		
N: 51° 27.695'	W: 002° 47.661'	Surface altitude (m OD): 5.925
Bed Thickness (m)	Description	
>0.40	Dark reddish brown stony topsoil containing shell fragments	
Core: M3		
N: 51° 27.681'	W: 002° 47.649'	Surface altitude (m OD): 5.789
Bed Thickness (m)	Description	
0.45	Very dark greyish brown stony topsoil containing shell fragments. Sharp boundary	
0.17	Bluish grey clay with reddish yellow mottles. Sharp boundary	
0.67	Peat. Sharp boundary	
>0.06	Grey clayey sand with a single large angular stone	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: M4		
N: 51° 27.671'	W: 002° 47.638'	Surface altitude (m OD): 5.745
Bed Thickness (m)	Description	
0.41	Very dark greyish brown stony topsoil containing shell fragments. Sharp boundary	
0.05	Bluish grey clay with reddish yellow mottles. Sharp boundary	
0.88	Peat	
0.13	Not recovered	
>0.24	Light brownish grey gritty clay containing plant fragments	
Core: M5		
N: 51° 27.660'	W: 002° 47.628'	Surface altitude (m OD): 5.706
Bed Thickness (m)	Description	
0.39	Very dark greyish brown topsoil containing shell fragments. Sharp boundary	
0.09	Bluish grey clay with reddish yellow mottles. Sharp boundary	
0.87	Peat	
0.07	Not recovered	
0.08	Bluish grey clay. Gradational boundary	
>1.00	Reddish yellow moderately sorted fine sand	
Core: M6		
N: 51° 27.647'	W: 002° 47.616'	Surface altitude (m OD): 5.789
Bed Thickness (m)	Description	
0.38	Very dark greyish brown topsoil. Sharp boundary	
0.32	Bluish grey clay. Sharp boundary	
0.06	Dark bluish grey clayey peat. Gradational boundary	
>1.43	Peat	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: M7

N: 51° 27.641'

W: 002° 47.611'

Surface altitude (m OD): 5.721

Bed Thickness (m)

Description

0.36	Very dark greyish brown topsoil containing shell fragments. Sharp boundary
0.29	Light brownish grey dense clay containing rotten shells and shell fragments. Sharp boundary
1.57	Peat. Sharp boundary
0.20	Bluish grey gritty clay containing plant fragments. Sharp boundary
0.19	Greenish grey upward fining well sorted fine sand to clayey sand containing plant fragments. Sharp boundary
0.08	Dark grey fine sand with occasional rotten pebbles. Contains plant fragments. Sharp boundary
>0.15	Greenish grey very well sorted fine sand with a single large angular stone

Core: M8

N: 51° 27.712'

W: 002° 47.651'

Surface altitude (m OD): 5.762

Bed Thickness (m)

Description

0.20	Dark reddish brown topsoil. Sharp boundary
0.12	Bluish grey dense clay with reddish yellow mottles. Sharp boundary
0.10	Peat. Sharp boundary
0.34	Bluish grey gritty clay becoming greyish brown with increased depth. Contains plant fragments
0.03	Disturbed
>0.10	Yellowish brown clayey sand

Core: M9

N: 51° 27.700'

W: 002° 47.642'

Surface altitude (m OD): 5.624

Bed Thickness (m)

Description

0.11	Dark reddish brown topsoil. Sharp boundary
0.20	Bluish grey dense clay with reddish yellow mottles. Contains plant fragments. Sharp boundary
0.02	Dark bluish grey dense clay. Sharp boundary
0.55	Peat. Sharp boundary
0.12	Greyish brown fine sand. Sharp boundary
>0.20	Reddish brown clayey fine sand with occasional granules

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: M10

N: 51° 27.687'

W: 002° 47.633'

Surface altitude (m OD): 5.575

Bed Thickness (m)

Description

0.11

Greyish brown topsoil. Sharp boundary

0.21

Bluish grey dense clay with reddish yellow mottles. Sharp boundary

0.56

Peat. Sharp boundary

0.12

Bluish grey gritty clay containing plant fragments. Sharp boundary

>0.33

Light brownish grey clayey fine sand with occasional granules. Contains wood and plant fragments

Core: M11

N: 51° 27.676'

W: 002° 47.624'

Surface altitude (m OD): 5.645

Bed Thickness (m)

Description

0.06

Greyish brown topsoil. Sharp boundary

0.34

Bluish grey dense clay with reddish yellow mottles. Contains plant fragments. Sharp boundary

0.82

Peat. Sharp boundary

0.10

Very dark greyish brown gritty clay containing plant fragments. Sharp boundary

0.07

Greyish brown gritty clay containing plant fragments. Gradational boundary

0.21

Reddish brown clay. Sharp boundary

0.13

Brown moderately sorted medium sand with occasional granules. Sharp boundary

>0.05

Strong brown medium sand with occasional granules and small stones

Core: M12

N: 51° 27.663'

W: 002° 47.614'

Surface altitude (m OD): 5.616

Bed Thickness (m)

Description

0.09

Greyish brown topsoil. Sharp boundary

0.22

Dark grey dense clay becoming bluish grey with reddish yellow mottles with increased depth. Contains plant fragments and abundant shell fragments. Sharp boundary

1.35

Peat. Sharp boundary

0.14

Dark grey gritty clay containing plant fragments

0.07

Not recovered

>0.14

Greenish grey gritty clay containing plant fragments

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: M13		
N: 51° 27.653'	W: 002° 47.605'	Surface altitude (m OD): 5.565
Bed Thickness (m)	Description	
0.09	Dark grey topsoil. Sharp boundary	
0.36	Dark grey dense clay becoming bluish grey with reddish yellow mottles with increased depth. Contains rootlets and abundant shell fragments. Sharp boundary	
>1.57	Peat	
Core: M14		
N: 51° 27.645'	W: 002° 47.600'	Surface altitude (m OD): 5.699
Bed Thickness (m)	Description	
0.26	Greyish brown topsoil containing shell fragments. Sharp boundary	
0.35	Bluish grey dense clay with reddish yellow mottles. Sharp boundary	
>1.66	Peat	
Core: M15		
N: 51° 27.717'	W: 002° 47.632'	Surface altitude (m OD): 5.767
Bed Thickness (m)	Description	
0.13	Greyish brown topsoil. Sharp boundary	
0.14	Bluish grey clay with reddish yellow mottles. Sharp boundary	
0.41	Peat. Sharp boundary	
0.27	Strong brown gritty clay. Sharp boundary	
>0.15	Grey moderately sorted medium sand with strong brown mottles	
Core: M16		
N: 51° 27.706'	W: 002° 47.623'	Surface altitude (m OD): 5.820
Bed Thickness (m)	Description	
0.43	Bluish grey dense clay with reddish yellow mottles. Sharp boundary	
0.28	Peat. Gradational boundary	
0.34	Dark grey gritty clay becoming brown with increased depth. Contains plant fragments	
0.03	Not recovered	
>0.10	Brown gritty clay containing plant fragments	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: M17

N: 51° 27.695'

Bed Thickness (m)

0.05

0.41

0.75

0.07

0.04

>0.14

W: 002° 47.613'

Description

Greyish brown topsoil. Gradational boundary

Bluish grey very dense clay with reddish yellow mottles. Contains rootlets. Sharp boundary

Peat. Sharp boundary

Brown gritty clay. Sharp boundary

Peat. Sharp boundary

Brown gritty clay

Surface altitude (m OD): 5.769

Core: M18

N: 51° 27.682'

Bed Thickness (m)

0.29

0.15

0.86

0.31

>0.25

W: 002° 47.603'

Description

Greyish brown topsoil. Gradational boundary

Bluish grey dense clay. Sharp boundary

Peat. Sharp boundary

Greyish brown gritty clay becoming brown with increased depth. Contains plant fragments. Sharp boundary

Yellowish brown well sorted fine sand containing plant fragments

Surface altitude (m OD): 5.721

Core: M19

N: 51° 27.668'

Bed Thickness (m)

0.23

0.18

1.20

0.16

>0.21

W: 002° 47.595'

Description

Greyish brown topsoil. Sharp boundary

Greenish grey dense clay. Line of shell fragments at upper contact. Sharp boundary

Peat. Sharp boundary

Grey gritty clay containing plant fragments. Sharp boundary

Pale brown well sorted clayey fine sand with occasional granules, very rotten stones and 'ghost' stones.

Contains plant fragments

Surface altitude (m OD): 5.691

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: M20

N: 51° 27.657'

Bed Thickness (m)

0.25

0.18

1.56

0.10

0.03

>0.07

W: 002° 47.586'

Surface altitude (m OD): 5.724

Description

Greyish brown topsoil. Sharp boundary

Grey dense clay. Line of shell fragments at upper contact. Sharp boundary

Peat. Sharp boundary

Greenish grey well sorted fine sand with 'ghost' stones. Contains very rotten shell fragments

Disturbed

Grey poorly sorted fine sand and granules containing rotten shell fragments

Core: M21

N: 51° 27.648'

Bed Thickness (m)

0.26

>0.70

W: 002° 47.580'

Surface altitude (m OD): 5.757

Description

Greyish brown topsoil containing shell fragments. Sharp boundary

Grey dense clay containing shell fragments

Core: M22

N: 51° 27.725'

Bed Thickness (m)

0.18

0.33

0.13

0.23

>0.07

W: 002° 47.613'

Surface altitude (m OD): 5.918

Description

Dark reddish brown topsoil. Sharp boundary

Greenish grey dense clay with reddish yellow mottles. Sharp boundary

Peat. Sharp boundary

Reddish brown upward coarsening well sorted fine sand to moderately sorted slightly clayey medium sand with occasional granules, becoming yellowish brown with increased depth. Sharp boundary

Yellowish red becoming red with increased depth matrix-supported gravel of granules and medium stones in a sandy matrix

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: M23		
N: 51° 27.710'	W: 002° 47.604'	Surface altitude (m OD): 5.899
Bed Thickness (m)	Description	
0.23	Greyish brown topsoil. Sharp boundary	
0.09	Greenish grey dense clay with reddish yellow mottles. Sharp boundary	
0.54	Peat. Sharp boundary	
0.18	Very dark greyish brown gritty clay containing plant fragments. Sharp boundary	
0.05	Light yellowish brown well sorted medium sand. Sharp boundary	
0.07	Light brown matrix-supported gravel of granules and angular medium stones in a sandy matrix	
0.15	Disturbed	
>0.51	Reddish yellow stony fine sand becoming yellow with increased depth. Contains plant fragments	
Core: M24		
N: 51° 27.700'	W: 002° 47.594'	Surface altitude (m OD): 5.898
Bed Thickness (m)	Description	
0.27	Greyish brown topsoil. Sharp boundary	
0.26	Greenish grey dense clay. Sharp boundary	
>0.17	Peat	
Core: M25		
N: 51° 27.687'	W: 002° 47.585'	Surface altitude (m OD): 5.938
Bed Thickness (m)	Description	
0.22	Greyish brown topsoil. Sharp boundary	
0.23	Bluish grey dense clay. Sharp boundary	
1.11	Peat. Sharp boundary	
0.05	Dark greyish brown gritty clay containing plant fragments. Sharp boundary	
>0.25	Light yellowish brown upward fining coarse to fine sand with a single large stone	
Core: M26		
N: 51° 27.675'	W: 002° 47.575'	Surface altitude (m OD): 6.017
Bed Thickness (m)	Description	
0.18	Greyish brown topsoil. Sharp boundary	
0.23	Greenish grey dense clay. Sharp boundary	
1.56	Peat. Sharp boundary	
0.10	Bluish grey clay containing plant fragments. Sharp boundary	
>0.14	Peat	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: M27		
N: 51° 27.663'	W: 002° 47.566'	Surface altitude (m OD): 5.916
Bed Thickness (m)	Description	
0.28	Greyish brown topsoil. Sharp boundary	
0.16	Greenish grey dense clay. Sharp boundary	
1.51	Peat. Sharp boundary	
>0.38	Grey gritty muddy clay becoming pale brown then brown then strong brown with increased depth	
Core: M28		
N: 51° 27.656'	W: 002° 47.560'	Surface altitude (m OD): 5.731
Bed Thickness (m)	Description	
0.22	Greyish brown clayey topsoil containing shell fragments. Sharp boundary	
0.25	Greenish grey dense clay with shell fragments at upper contact. Sharp boundary	
1.03	Peat. Sharp boundary	
>0.47	Dark greyish brown gritty muddy clay containing wood fragments. Becomes dark grey then grey with increased depth	
Core: M29		
N: 51° 27.728'	W: 002° 47.595'	Surface altitude (m OD): 6.398
Bed Thickness (m)	Description	
0.14	Greyish brown clayey topsoil. Sharp boundary	
0.71	Greenish grey dense clay. Sharp boundary	
0.14	Reddish brown gritty clay. Sharp boundary	
>0.07	Red sand with small rotten yellow sandstone clasts	
Core: M30		
N: 51° 27.717'	W: 002° 47.584'	Surface altitude (m OD): 6.010
Bed Thickness (m)	Description	
0.26	Greyish brown clayey, slightly stony topsoil. Sharp boundary	
0.24	Greenish grey dense clay. Sharp boundary	
0.21	Peat. Sharp boundary	
0.09	Brown muddy gritty clay. Sharp boundary	
0.17	Very dark greyish brown clayey sand. Sharp boundary	
>0.04	Weak red gritty clay containing occasional granules	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: M31

N: 51° 27.705'

Bed Thickness (m)

0.18
0.44
0.48
>0.06

W: 002° 47.574'

Description

Greyish brown clayey topsoil. Sharp boundary
Greenish grey dense clay. Sharp boundary
Peat. Sharp boundary
Strong brown well sorted fine sand containing plant fragments

Surface altitude (m OD): 6.032

Core: M32

N: 51° 27.692'

Bed Thickness (m)

0.15
0.42
0.34
0.07
0.44
0.31
0.02
>0.11

W: 002° 47.564'

Description

Greyish brown clayey topsoil. Sharp boundary
Greenish grey dense clay with shell fragments at upper contact. Sharp boundary
Peat. Sharp boundary
Dark grey muddy gritty clay containing plant fragments
Not recovered
Reddish brown poorly sorted fine sand with granules. Sharp boundary
Yellowish red poorly sorted medium sand with occasional granules. Contains shell fragments. Sharp boundary
Yellowish brown matrix-supported gravel of sub-round medium stones in a medium sand matrix

Surface altitude (m OD): 5.935

Core: M33

N: 51° 27.680'

Bed Thickness (m)

0.21
0.80
0.77
0.24
>0.22

W: 002° 47.555'

Description

Greyish brown clayey topsoil. Sharp boundary
Greenish grey dense clay. Sharp boundary
Peat. Sharp boundary
Dark greyish brown gritty muddy clay containing plant and wood fragments. Sharp boundary
Greyish brown fine sand containing wood fragments

Surface altitude (m OD): 6.168

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: M34		
N: 51° 27.669'	W: 002° 47.546'	Surface altitude (m OD): 5.813
Bed Thickness (m)	Description	
0.19	Greyish brown clayey topsoil. Sharp boundary	
0.43	Greenish grey dense clay. Sharp boundary	
1.16	Peat. Sharp boundary	
0.11	Dark greyish brown gritty muddy clay containing plant fragments. Sharp boundary	
>0.23	Greyish brown gritty clay	
Core: M35		
N: 51° 27.662'	W: 002° 47.541'	Surface altitude (m OD): 5.671
Bed Thickness (m)	Description	
0.25	Greyish brown clayey topsoil. Sharp boundary	
0.30	Greenish grey dense clay with mottles. Sharp boundary	
1.42	Peat. Sharp boundary	
>0.12	Dark greyish brown slightly gritty muddy clay containing plant fragments	
Core: M36		
N: 51° 27.735'	W: 002° 47.574'	Surface altitude (m OD): 6.158
Bed Thickness (m)	Description	
0.24	Dark reddish brown clayey stony topsoil. Sharp boundary	
0.27	Dark reddish brown dense fine clayey silty sand. Sharp boundary	
>0.30	Strong brown clayey fine sand with medium sub-angular and rotten limestone clasts and 'ghosts'	
Core: M37		
N: 51° 27.721'	W: 002° 47.566'	Surface altitude (m OD): 6.175
Bed Thickness (m)	Description	
0.24	Dark reddish brown clayey topsoil. Sharp boundary	
0.37	Greenish grey dense clay with orange mottles. Sharp boundary	
0.40	Peat. Sharp boundary	
>0.05	Yellowish red clayey fine sand	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: M38		
N: 51° 27.708'	W: 002° 47.557'	Surface altitude (m OD): 6.177
Bed Thickness (m)	Description	
0.21	Greyish brown clayey topsoil. Sharp boundary	
0.48	Greenish grey dense clay. Sharp boundary	
0.43	Peat. Sharp boundary	
>0.26	Yellowish red well sorted fine sand containing fine rootlets	
Core: M39		
N: 51° 27.696'	W: 002° 47.548'	Surface altitude (m OD): 6.031
Bed Thickness (m)	Description	
0.26	Greyish brown clayey topsoil. Sharp boundary	
0.35	Greenish grey dense clay. Sharp boundary	
0.76	Peat, bluish grey at upper contact. Sharp boundary	
0.29	Very dark greyish brown peaty sand. Sharp boundary	
>0.05	Yellowish brown well sorted fine sand	
Core: M40		
N: 51° 27.684'	W: 002° 47.539'	Surface altitude (m OD): 5.999
Bed Thickness (m)	Description	
0.20	Greyish brown clayey topsoil. Sharp boundary	
0.39	Greenish grey dense clay. Sharp boundary	
1.12	Peat, bluish grey at upper contact. Sharp boundary	
0.15	Grey muddy gritty clay. Sharp boundary	
0.24	Yellowish brown fine sand with a single large angular stone. Sharp boundary	
>0.04	Brownish yellow matrix-supported gravel of granules and small stones in a fine sand matrix	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: M41

N: 51° 27.671'

W: 002° 47.532'

Surface altitude (m OD): 5.637

Bed Thickness (m)

Description

0.21

Very dark greyish brown clayey topsoil. Sharp boundary

0.24

Greenish grey dense clay. Sharp boundary

1.33

Peat, dark bluish grey at upper contact. Sharp boundary

0.13

Very dark grey gritty muddy clay. Sharp boundary

0.16

Dark greyish brown gritty clay containing plant fragments. Sharp boundary

0.09

Light yellowish brown clayey fine sand containing plant fragments. Sharp boundary

0.09

Yellowish red gravel of granules, stones and clayey sand. Sharp boundary

>0.03

Light yellowish brown fine sand

Core: M42

N: 51° 27.666'

W: 002° 47.527'

Surface altitude (m OD): 5.598

Bed Thickness (m)

Description

0.43

Very dark greyish brown clayey peaty topsoil. Sharp boundary

1.37

Peat. Sharp boundary

>0.14

Greyish brown well sorted fine sand containing plant fragments

Core: M43

N: 51° 27.687'

W: 002° 47.525'

Surface altitude (m OD): 5.714

Bed Thickness (m)

Description

0.15

Greyish brown clayey topsoil. Sharp boundary

0.13

Greenish grey dense clay. Sharp boundary

1.40

Peat. Sharp boundary

0.05

Dark greyish brown gritty muddy clay containing plant fragments. Sharp boundary

0.12

Reddish brown fine sand containing shell fragments. Sharp boundary

>0.14

Brown matrix-supported gravel of granules, small and medium angular stones in a fine sand matrix

Core: M44

N: 51° 27.676'

W: 002° 47.516'

Surface altitude (m OD): 5.679

Bed Thickness (m)

Description

0.29

Very dark greyish brown clayey peaty topsoil. Sharp boundary

1.48

Peat. Sharp boundary

>0.21

Grey upward fining moderately sorted medium sand, becoming pink then brownish yellow fine sand with increased depth. Contains a wood fragment in upper 6 cm

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: M45		
N: 51° 27.700'	W: 002° 47.534'	Surface altitude (m OD): 5.951
Bed Thickness (m)	Description	
0.28	Greyish brown clayey topsoil. Sharp boundary	
0.30	Greenish grey dense clay. Sharp boundary	
0.62	Peat. Sharp boundary	
0.02	Grey gritty clay. Sharp boundary	
0.03	Brown well sorted fine sand	
0.08	Not recovered	
>0.09	Brown well sorted fine sand	
Core: N1		
N: 51° 27.341'	W: 002° 47.746'	Surface altitude (m OD): *4.018
Bed Thickness (m)	Description	
0.65	Black/yellowish red peaty fine sand. Sharp boundary	
>1.39	Peat	
Core: N2		
N: 51° 27.332'	W: 002° 47.762'	Surface altitude (m OD): *4.221
Bed Thickness (m)	Description	
1.75	Peat. Sharp boundary	
>0.06	Very dusky red peaty coarse sand	
Core: N3		
N: 51° 27.321'	W: 002° 47.781'	Surface altitude (m OD): *4.164
Bed Thickness (m)	Description	
1.79	Stony peat with lenses of sand. Sharp boundary	
>0.23	Black peaty coarse to medium sand	
Core: N4		
N: 51° 27.313'	W: 002° 47.812'	Surface altitude (m OD): *4.848
Bed Thickness (m)	Description	
1.69	Peat. sharp boundary	
0.15	Black peaty coarse sand. Sharp boundary	
>0.10	Light yellowish brown poorly sorted coarse to fine sand	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: N5 N: 51° 27.296' Bed Thickness (m) 1.46 0.66 >0.22	W: 002° 47.842' Description Black peaty coarse sand. Sharp boundary Peat. Sharp boundary Pale brown poorly sorted coarse sand becoming brownish yellow with increased depth	Surface altitude (m OD): *4.743
Core: N6 N: 51° 27.287' Bed Thickness (m) 2.04 >0.01	W: 002° 47.861' Description Peat. Sharp boundary Dark greyish brown poorly sorted coarse sand	Surface altitude (m OD): *4.666
Core: N7 N: 51° 27.279' Bed Thickness (m) 2.31 >0.02	W: 002° 47.876' Description Peat. Sharp boundary Pale brown poorly sorted coarse sand	Surface altitude (m OD): *4.953
Core: N8 N: 51° 27.273' Bed Thickness (m) >2.32	W: 002° 47.886' Description Peat	Surface altitude (m OD): *4.900
Core: N9 N: 51° 27.269' Bed Thickness (m) 2.32 >0.01	W: 002° 47.903' Description Peat. Sharp boundary Brown poorly sorted coarse sand	Surface altitude (m OD): *5.015

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: P1

N: 51° 27.584'

W: 002° 47.262'

Surface altitude (m OD): 5.569

Bed Thickness (m)

Description

0.18

Dark reddish brown peaty topsoil. Sharp boundary

0.38

Grey clay with strong brown mottles containing roots and an iron concretion. Sharp boundary

>2.68

Peat

Core: P2

N: 51° 27.574'

W: 002° 47.249'

Surface altitude (m OD): 5.462

Bed Thickness (m)

Description

0.18

Dark reddish brown peaty topsoil. Sharp boundary

0.15

Light greenish grey clay with strong brown mottles, becoming greenish grey then bluish grey with increased depth. Contains rootlets and iron concretions. Sharp boundary

2.82

Peat. Sharp boundary

0.03

Very dark bluish grey clay. Sharp boundary

0.62

Dark brown muddy clayey peat containing reed stems and leaves. Sharp boundary

0.03

Dark grey poorly sorted coarse sand with occasional granules. Gradational boundary

>0.06

Yellowish brown matrix-supported gravel of granules and stones in a sandy matrix. Contains shell fragments

Core: P3

N: 51° 27.563'

W: 002° 47.239'

Surface altitude (m OD): 5.493

Bed Thickness (m)

Description

0.20

Dark reddish brown peaty topsoil. Sharp boundary

0.38

Bluish grey clay with strong brown mottles. Contains rootlets. Sharp boundary

2.74

Peat. Sharp boundary

0.08

Light bluish grey clay, becoming gritty with increased depth. Gradational boundary

0.06

Greyish brown medium sand with occasional granules and small pebbles. Contains shell fragments. Sharp boundary

0.07

Light brown gravel of granules and stones. Sharp boundary

0.09

Grey fine sand containing plant fragments and rootlets. Sharp boundary

0.07

Light brown gritty clay. Sharp boundary

>0.10

Light brown gravel of granules and angular stones

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: P4		
N: 51° 27.554'	W: 002° 47.224'	Surface altitude (m OD): 5.407
Bed Thickness (m)	Description	
0.25	Dark reddish grey peaty topsoil. Sharp boundary	
0.11	Bluish grey clay. Sharp boundary	
>2.71	Peat	
Core: P5		
N: 51° 27.543'	W: 002° 47.213'	Surface altitude (m OD): 5.476
Bed Thickness (m)	Description	
0.50	Light brownish grey peaty clay, becoming bluish grey with increased depth. Contains plant fragments and rootlets. Sharp boundary	
2.71	Peat. Gradational boundary	
0.21	Very dark bluish grey peaty clay containing plant fragments and rootlets. Gradational boundary	
0.12	Brown gritty clay containing plant fragments and rootlets. Sharp boundary	
>0.03	Greyish brown well sorted fine sand containing plant and shell fragments	
Core: P6		
N: 51° 27.531'	W: 002° 47.198'	Surface altitude (m OD): 5.496
Bed Thickness (m)	Description	
0.20	Dark reddish grey peaty clayey topsoil. Sharp boundary	
0.31	Bluish grey clay. Sharp boundary	
2.81	Peat. Sharp boundary	
0.05	Dark greyish brown muddy clay. Sharp boundary	
0.10	Brown peat containing plant fragments and rootlets. Gradational boundary	
0.18	Greyish brown gritty muddy clay with granules. Contains plant fragments. Sharp boundary	
>0.20	Light brownish grey well sorted fine sand with occasional granules and small stones. Contains Plant and shell fragments	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: P7

N: 51° 27.520'

W: 002° 47.186'

Surface altitude (m OD): 5.494

Bed Thickness (m)

Description

0.23	Dark reddish grey peaty clay topsoil. Gradational boundary
0.03	Dark greyish brown clayey peat. Sharp boundary
0.16	Bluish grey clay. Sharp boundary
2.42	Peat. Sharp boundary
0.05	Bluish grey clay. Sharp boundary
0.07	Peat. Sharp boundary
0.02	Greyish brown clay. Sharp boundary
0.17	Peat. Sharp boundary
0.13	Dark greyish brown muddy gritty clay containing plant fragments. Sharp boundary
>0.44	Greyish brown, becoming light grey then olive yellow with increased depth, poorly sorted upward coarsening fine to coarse sand with granules and a single large sub-angular flint

Core: P8

N: 51° 27.510'

W: 002° 47.173'

Surface altitude (m OD): 5.532

Bed Thickness (m)

Description

0.23	Dark reddish grey peaty topsoil. Sharp boundary
0.13	Bluish grey clay. Gradational boundary
2.81	Peat. Gradational boundary
0.06	Dark greenish grey peaty clay. Sharp boundary
>0.23	Dark greyish brown, becoming greyish brown then light olive brown with increased depth, upward coarsening moderately sorted medium to coarse sand with granules and small rotten stones. Contains plant fragments

Core: P9

N: 51° 27.497'

W: 002° 47.158'

Surface altitude (m OD): 5.551

Bed Thickness (m)

Description

0.15	Very dark grey peaty topsoil. Sharp boundary
0.04	Dark grey clay. Sharp boundary
3.19	Peat. Sharp boundary
0.14	Greenish grey gritty clay with granules and occasional pebbles. Sharp boundary
0.27	Greyish brown well sorted fine sand, becoming light yellowish brown with increased depth. Sharp boundary
>0.03	Pinkish grey gravel of granules, small stones and fine sand containing shell fragments

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: P10		
N: 51° 27.486'	W: 002° 47.144'	Surface altitude (m OD): 5.550
Bed Thickness (m)	Description	
0.47	Dark reddish brown peaty topsoil. Sharp boundary	
2.54	Peat. Sharp boundary	
0.03	Grey well sorted medium sand containing plant fragments	
0.04	Disturbed	
>0.50	Grey upward coarsening fine sand with rare stones, becoming greyish brown then reddish brown with increased depth. Contains shell fragments	
Core: P11		
N: 51° 27.475'	W: 002° 47.133'	Surface altitude (m OD): 5.612
Bed Thickness (m)	Description	
0.12	Peat. Sharp boundary	
0.04	Greyish brown peaty clay. Sharp boundary	
2.80	Peat. Sharp boundary	
0.16	Bluish grey gritty clay containing plant fragments. Sharp boundary	
0.37	Greyish brown well sorted fine sand, becoming brown with increased depth. Contains plant and shell fragments. Sharp boundary	
>0.06	Olive brown gravel of granules and fine sand. Contains shell fragments	
Core: P12		
N: 51° 27.463'	W: 002° 47.120'	Surface altitude (m OD): 5.505
Bed Thickness (m)	Description	
0.08	Peat. Sharp boundary	
0.04	Greyish brown clay containing roots growing through from above. Sharp boundary	
2.86	Peat. Sharp boundary	
>0.32	Greenish grey upward fining medium to fine sand, becoming light yellowish brown then brown and stony with increased depth	
Core: P13		
N: 51° 27.452'	W: 002° 47.107'	Surface altitude (m OD): 5.619
Bed Thickness (m)	Description	
2.97	Peat. Sharp boundary	
0.36	Brown well sorted medium sand, becoming light olive brown with increased depth. Sharp boundary	
>0.31	Yellowish brown gravel of granules and coarse sand. Contains shell fragments	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: P14		
N: 51° 27.442'	W: 002° 47.097'	Surface altitude (m OD): 5.596
Bed Thickness (m)	Description	
2.56	Peat. Sharp boundary	
0.22	Bluish black gritty clay containing plant fragments. Sharp boundary	
>0.12	Greenish grey clayey medium sand	
Core: P15		
N: 51° 27.432'	W: 002° 47.082'	Surface altitude (m OD): 5.553
Bed Thickness (m)	Description	
2.50	Peat. Sharp boundary	
0.18	Dark grey gritty clay. Sharp boundary	
0.08	Greenish grey upward fining well sorted coarse to medium sand with occasional granules. Sharp boundary	
>0.23	Strong brown matrix-supported gravel of granules and small stones in a fine sand matrix	
Core: P16		
N: 51° 27.421'	W: 002° 47.070'	Surface altitude (m OD): 5.598
Bed Thickness (m)	Description	
>1.91	Peat	
Core: P17		
N: 51° 27.411'	W: 002° 47.041'	Surface altitude (m OD): 5.662
Bed Thickness (m)	Description	
1.47	Peat. Sharp boundary	
>0.52	Greyish brown well-sorted fine sand becomes light brownish grey then brownish yellow with increased depth. Contains plant fragments, rootlets and wood fragments	
Core: P18		
N: 51° 27.415'	W: 002° 47.037'	Surface altitude (m OD): 5.763
Bed Thickness (m)	Description	
0.54	Dark reddish brown peaty topsoil. Gradational boundary	
0.96	Peat. Sharp boundary	
0.24	Grey well sorted clayey fine sand containing plant fragments. Sharp boundary	
0.22	Yellowish brown dense poorly sorted clayey coarse sand. Sharp boundary	
0.08	Olive brown gravel of large stones in a granule matrix. Contains plant fragments. Sharp boundary	
>0.11	Light yellowish brown very dense gritty clay containing plant fragments	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: P19		
N: 51° 27.417'	W: 002° 47.026'	Surface altitude (m OD): 5.649
Bed Thickness (m)	Description	
1.38	Peat. Sharp boundary	
0.18	Dark grey clay containing plant fragments, becoming brown and denser with increased depth	
0.05	Not recovered	
0.06	Light yellowish brown to pale brown very gritty dense clay. Sharp boundary	
0.23	Brownish yellow well sorted fine sand, becoming light brown with increased depth. Sharp boundary	
0.03	Light brown gravel of small angular pebbles in a granule matrix. Sharp boundary	
>0.25	Strong brown fine sand, becoming yellowish red with increased depth. Contains red and grey sandstone 'ghosts'	
Core: P20		
N: 51° 27.412'	W: 002° 47.019'	Surface altitude (m OD): 5.716
Bed Thickness (m)	Description	
0.92	Peat. Sharp boundary	
>0.17	Greyish brown gritty clay containing plant fragments	
Core: P21		
N: 51° 27.402'	W: 002° 47.007'	Surface altitude (m OD): 5.979
Bed Thickness (m)	Description	
0.40	Peat. Sharp boundary	
0.26	Dark greyish brown very gritty clay containing plant and wood fragments	
0.08	Disturbed	
>0.35	Olive well sorted fine sand with red and dark greenish grey stone 'ghosts'	
Core: P22		
N: 51° 27.388'	W: 002° 46.997'	Surface altitude (m OD): 6.873
Bed Thickness (m)	Description	
0.62	Very dark greyish brown peaty sand. Sharp boundary	
>0.08	Brownish yellow well sorted fine sand with rare small stones	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: P23		
N: 51° 27.384'	W: 002° 46.989'	Surface altitude (m OD): 7.478
Bed Thickness (m)	Description	
0.41	Very dark greyish brown gritty peaty clay topsoil. Sharp boundary	
0.21	Dark greyish brown well sorted clayey fine sand with red, grey and yellow stone 'ghosts'. Contains rare rootlets. Sharp boundary	
>0.12	Yellowish brown upward fining well sorted fine sand containing rare very fine rootlets. Becomes gravelly with increased depth, with granules and small round stones	
Core: P24		
N: 51° 27.378'	W: 002° 46.959'	Surface altitude (m OD): 8.514
Bed Thickness (m)	Description	
0.08	Brown gritty clay topsoil. Sharp boundary	
0.62	Reddish brown fine sand, becoming yellowish red with increased depth. Contains abundant rootlets growing through from above. Sharp boundary	
0.11	Brown well sorted clayey very fine sand. Sharp boundary	
0.21	Yellowish brown moderately sorted fine sand. Sharp boundary	
>0.11	Reddish yellow gravel of granules and round small stones in a fine sand matrix. Some granules display a green colour	
Core: Q1		
N: 51° 27.580'	W: 002° 48.206'	Surface altitude (m OD): 5.142
Bed Thickness (m)	Description	
2.55	Peat. Sharp boundary	
0.07	Bluish grey clay. Sharp boundary	
0.10	Greyish brown clay containing plant fragments and rootlets. Sharp boundary	
0.09	Light olive brown very fine sand containing plant fragments. Sharp boundary	
0.14	Dark greyish brown clayey silty mud containing rootlets. Sharp boundary	
>0.30	Light olive brown organic-rich clay	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: Q2

N: 51° 27.566'

Bed Thickness (m)

	W: 002° 48.192'	Surface altitude (m OD): 5.219
	Description	
2.56	Peat. Sharp boundary	
0.08	Bluish grey clay. Sharp boundary	
0.08	Greyish brown gritty clay containing plant fragments and rootlets. Sharp boundary	
0.12	Grey well sorted fine sand containing abundant rootlets. Sharp boundary	
0.09	Dark greyish brown muddy fine sand containing abundant rootlets. Sharp boundary	
0.27	Light olive brown organic-rich clay	
0.08	Not recovered	
0.35	Grey gravel of granules and angular and round small pebbles in a fine sand matrix. Sharp boundary	
0.13	Light grey gritty clay containing plant fragments. Sharp boundary	
0.06	Grey well sorted fine sand containing plant fragments. Gradational boundary	
>0.40	Light bluish grey upward coarsening gritty clay to fine sand with a single vertically-oriented round large pebble. Becomes greenish grey with increased depth	

Core: Q3

N: 51° 27.557'

Bed Thickness (m)

	W: 002° 48.184'	Surface altitude (m OD): 5.157
	Description	
2.51	Peat. Sharp boundary	
0.22	Light bluish grey clay containing a wood fragment, becoming greyish brown clayey silt containing plant fragments with increased depth. Sharp boundary	
0.17	Dark greyish brown silty clay containing rootlets. Sharp boundary	
0.31	Light yellowish brown organic-rich clay, becoming light olive brown with increased depth. Gradational boundary	
>0.20	Bluish grey well sorted fine sand containing plant and shell fragments	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: Q4		
N: 51° 27.546'	W: 002° 48.175'	Surface altitude (m OD): 5.188
Bed Thickness (m)	Description	
2.52	Peat. Sharp, concave-up boundary	
0.06	Bluish grey clay. Sharp boundary	
0.14	Greyish brown gritty clayey silt containing plant fragments. Sharp boundary	
0.04	Dark greyish brown silty clay containing rootlets. Sharp boundary	
0.01	Light brownish grey well sorted fine sand. Sharp boundary	
0.12	Very dark greyish brown silty clay containing plant fragments and rootlets. Sharp boundary	
0.14	Greyish brown organic-rich clay. Sharp boundary	
>0.23	Light olive brown organic-rich clay	
Core: Q5		
N: 51° 27.534'	W: 002° 48.165'	Surface altitude (m OD): 5.167
Bed Thickness (m)	Description	
2.52	Peat. Sharp boundary	
0.09	Bluish grey clay containing rootlets. Sharp boundary	
0.10	Light brownish grey silty clay containing plant fragments. Sharp boundary	
0.06	Greyish brown well sorted fine sand containing plant fragments. Sharp boundary	
0.06	Dark greyish brown silty clayey mud containing plant fragments. Sharp boundary	
0.03	Greyish brown well sorted very fine sand containing plant fragments. Sharp boundary	
0.14	Very dark greyish brown silty clayey mud containing abundant rootlets. Sharp boundary	
0.09	Light yellowish brown organic-rich clay. Sharp boundary	
0.28	Olive brown organic-rich clayey mud. Sharp boundary	
>0.03	Grey clay	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: Q6

N: 51° 27.522'

W: 002° 48.155'

Surface altitude (m OD): 5.142

Bed Thickness (m)

Description

2.49

Peat. Sharp boundary

0.14

Bluish grey clay. Sharp boundary

0.01

Greyish brown muddy clay containing plant fragments. Sharp boundary

0.01

Greenish grey very fine sand containing rootlets. Sharp boundary

0.08

Greyish brown silty sand containing plant fragments. Sharp boundary

0.03

Light brownish grey well sorted fine sand. Sharp boundary

0.17

Dark greyish brown muddy clayey sand containing abundant rootlets. Sharp boundary

0.37

Light brownish grey clay containing plant fragments, becoming light olive brown and organic-rich with increased depth. Sharp boundary

0.34

Grey gritty clay containing rootlets. Sharp boundary

>0.22

Grey poorly sorted fine sand with granules

Core: Q7

N: 51° 27.510'

W: 002° 48.146'

Surface altitude (m OD): 5.208

Bed Thickness (m)

Description

2.73

Peat. Sharp boundary

0.10

Bluish grey clay containing plant fragments. Sharp boundary

0.06

Light brownish grey gritty clay containing plant fragments. Sharp boundary

0.08

Dark greyish brown clay containing plant fragments. Sharp boundary

0.01

Greyish brown well sorted fine sand. Sharp boundary

0.21

Dark greyish brown muddy silty sand containing rootlets. Sharp boundary

0.39

Light olive brown organic-rich clay. Sharp boundary

>0.27

Grey well sorted fine sand containing plant fragments

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: Q8		
N: 51° 27.498'	W: 002° 48.135'	Surface altitude (m OD): 5.107
Bed Thickness (m)	Description	
2.60	Peat. Sharp boundary	
0.09	Greenish grey clay containing plant fragments. Sharp boundary	
0.21	Light brownish grey silty sand containing plant fragments and rootlets. Sharp boundary	
0.20	Dark greyish brown muddy clayey silt containing abundant rootlets. Sharp boundary	
0.30	Light olive brown organic-rich clay. Sharp boundary	
0.41	Grey clay containing plant fragments and rootlets. Sharp boundary	
>0.22	Greenish grey well sorted coarse sand containing plant fragments and rootlets	
Core: Q9		
N: 51° 27.486'	W: 002° 48.125'	Surface altitude (m OD): 5.177
Bed Thickness (m)	Description	
2.51	Peat. Sharp boundary	
0.28	Bluish grey clay containing a single wood fragment. Becomes greyish brown then brown and organic-rich with increased depth. Sharp boundary	
0.11	Dark greyish brown silty mud containing plant fragments. Sharp boundary	
0.22	Dark brown silty sand containing rootlets. Sharp boundary	
0.38	Light olive brown silty clay containing abundant plant fragments. Becomes olive brown with increased depth. Sharp boundary	
0.16	Bluish grey marly clay containing plant fragments. Sharp boundary	
0.15	Light brown poorly sorted coarse sand with granules. Contains plant fragments. Gradational boundary	
>0.28	Light greenish grey dense clay containing plant fragments	
Core: Q10		
N: 51° 27.449'	W: 002° 48.090'	Surface altitude (m OD): 5.287
Bed Thickness (m)	Description	
2.68	Peat. Sharp boundary	
0.25	Light brownish grey gritty clay containing shells at upper contact, plant and shell fragments. Sharp boundary	
0.07	Brownish yellow muddy clay containing plant fragments. Sharp boundary	
0.44	Dark greyish brown muddy clay containing plant fragments and rootlets. Sharp boundary	
0.18	Light yellowish brown organic-rich clay. Gradational boundary	
0.04	Grey fine sand containing plant fragments. Sharp boundary	
>0.10	Greenish grey gritty clay with granules. Contains plant fragments	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: Q11

N: 51° 27.436'

Bed Thickness (m)

2.77

0.13

0.17

0.15

0.28

0.07

0.03

0.06

0.01

0.05

>0.25

W: 002° 48.077'

Description

Peat. Sharp boundary

Dark grey clay containing shells, Shell and plant fragments. Sharp boundary

Light yellowish brown silty clay containing plant and shell fragments. Becomes yellowish brown with increased depth. Sharp boundary

Grey very fine sand containing plant fragments and rootlets. Becomes dark greyish brown with increased depth. Sharp boundary

Dark yellowish brown organic-rich muddy sandy clay. Sharp boundary

Laminations of grey fine sand with light olive brown organic-rich gritty clay. Sharp boundary

Grey well sorted fine sand containing plant fragments and rootlets. Sharp boundary

Greenish grey gritty clay containing plant fragments. Sharp boundary

Greenish grey well sorted very fine sand containing plant fragments. Sharp boundary

Greenish grey gritty clay. Sharp boundary

Dark grey poorly d=sorted coarse sand with granules. Contains shell fragments and rootlets

Surface altitude (m OD): 5.264

Core: Q12

N: 51° 27.424'

Bed Thickness (m)

2.79

0.29

0.02

0.50

0.20

>0.15

W: 002° 48.068'

Description

Peat. Sharp boundary

Grey clay containing shells, shell and plant fragments. Becoming light brownish grey then brown with increased depth. Gradational boundary

Greyish brown well sorted fine sand containing plant fragments and rootlets. Sharp boundary

Dark greyish brown organic-rich muddy clayey sand laminated with organic-free sand. Sharp boundary

Olive brown organic-rich clay. Sharp boundary

Pale brown well sorted very fine sand containing plant fragments. Becomes brownish yellow with increased depth

Surface altitude (m OD): 5.277

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: Q13

N: 51° 27.413'

Bed Thickness (m)

2.84

0.11

0.09

0.01

0.05

0.01

0.05

0.05

0.09

>0.14

W: 002° 48.059'

Description

Peat. Sharp boundary

Grey gritty clay containing shell and plant fragments. Becomes greyish brown with increased depth. Sharp boundary

Light brownish grey clayey very fine sand containing plant fragments. Sharp boundary

Greyish brown well sorted fine sand. Sharp boundary

Dark greyish brown well sorted muddy fine sand containing plant fragments. Sharp boundary

Light brownish grey fine sand. Sharp boundary

Dark greyish brown well sorted fine sand containing plant fragments. Sharp boundary

Grey well sorted fine sand. Sharp boundary

Very dark greyish brown well sorted muddy fine sand containing rootlets. Sharp boundary

Olive brown organic-rich muddy clayey fine sand

Surface altitude (m OD): 5.369

Core: Q14

N: 51° 27.405'

Bed Thickness (m)

2.84

0.23

0.22

>0.06

W: 002° 48.052'

Description

Peat. Sharp boundary

Grey gritty clay with shell fragments at upper contact. Contains plant fragments. Becomes light brownish grey then yellowish brown with increased depth. Sharp boundary

Dark yellowish brown muddy clayey fine sand containing rootlets. Becomes grey and less muddy with increased depth. Sharp boundary

Olive brown organic-rich well sorted fine sand

Surface altitude (m OD): 5.301

Core: Q15

N: 51° 27.393'

Bed Thickness (m)

3.08

0.14

0.03

0.21

0.10

0.16

>0.14

W: 002° 48.041'

Description

Peat. Sharp boundary

Greyish brown muddy clayey fine sand with a line of shell fragments at the upper contact. Becomes brownish yellow with increased depth. Sharp boundary

Brown organic-rich muddy sand. Sharp boundary

Grey muddy clayey sand containing rootlets

Not recovered

Pale brown muddy clayey very fine sand containing abundant rootlets. Sharp boundary

Olive brown organic-rich muddy clayey fine sand

Surface altitude (m OD): 5.442

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: Q16

N: 51° 27.381'

W: 002° 48.032'

Surface altitude (m OD): 5.584

Bed Thickness (m)

Description

3.24	Peat with shell fragments at lower contact. Sharp boundary
0.01	Brown organic-rich clayey sand containing shell fragments
0.21	Not recovered
0.26	Greyish brown muddy clayey fine sand containing plant fragments and rootlets. Sharp boundary
0.15	Light olive brown clayey fine sand containing shell fragments and vertically oriented plant fragments. Sharp boundary
0.17	Dark olive brown well sorted fine sand. Sharp boundary
0.03	Dark grey well sorted fine sand. Sharp boundary
0.11	Dark greenish grey gritty clay becoming less gritty with increased depth. Sharp boundary
>0.18	Dark grey poorly sorted coarse sand with granules and a single angular small stone

Core: Q17

N: 51° 27.368'

W: 002° 48.020'

Surface altitude (m OD): 5.459

Bed Thickness (m)

Description

3.16	Peat becoming yellowish brown with increased depth. Sharp boundary
0.40	Greyish brown muddy clayey fine sand containing vertically oriented plant fragments. Sharp boundary
0.09	Pink clay containing plant and shell fragments. Becomes pale brown with increased depth. Sharp boundary
0.01	Dark greyish brown clay containing rootlets. Sharp boundary
0.13	Greyish brown muddy clay containing plant fragments. Sharp boundary
>0.11	Olive brown organic-rich clay

Core: Q18

N: 51° 27.355'

W: 002° 48.011'

Surface altitude (m OD): 5.544

Bed Thickness (m)

Description

3.15	Peat. Gradational boundary
0.20	Dark grey muddy clayey fine sand containing plant fragments
0.08	Not recovered
0.07	Dark grey fine sand. Sharp boundary
>0.22	Dark greyish brown muddy clayey sand containing plant and shell fragments. Becomes olive brown then olive grey with increased depth

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: Q19		
N: 51° 27.343'	W: 002° 48.001'	Surface altitude (m OD): 5.467
Bed Thickness (m)	Description	
2.93	Peat. Sharp boundary	
0.14	Dark greyish brown well sorted clayey fine sand containing plant fragments and rootlets. Sharp boundary	
0.16	Very dark greenish grey well sorted slightly clayey fine sand containing plant fragments and vertically oriented rootlets. Sharp boundary	
0.31	Light olive brown organic-rich muddy clayey very fine sand containing shell fragments. Sharp boundary	
>0.11	Dark grey to greyish brown gravel of granules and small angular stones in an upward coarsening matrix of medium to coarse sand	
Core: Q20		
N: 51° 27.337'	W: 002° 47.995'	Surface altitude (m OD): 5.480
Bed Thickness (m)	Description	
2.88	Peat. Sharp boundary	
0.16	Very dark greyish brown well sorted very muddy clayey fine sand containing plant fragments and rootlets. Sharp boundary	
0.22	Grey well sorted very fine sand containing vertically oriented plant fragments. Sharp boundary	
>0.14	Light olive brown organic-rich muddy clayey fine sand containing shell fragments and rootlets	
Core: Q21		
N: 51° 27.325'	W: 002° 47.986'	Surface altitude (m OD): 5.439
Bed Thickness (m)	Description	
2.86	Peat. Sharp boundary	
0.12	Dark greyish brown muddy clayey fine sand containing plant and wood fragments. Sharp boundary	
0.04	Grey well sorted fine sand containing plant fragments. Sharp boundary	
0.08	Dark greenish grey slightly muddy fine sand containing vertically oriented plant fragments. Sharp boundary	
0.02	Grey very fine sand. Sharp boundary	
>0.18	Olive brown organic-rich muddy clayey fine sand	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: Q22		
N: 51° 27.313'	W: 002° 47.975'	Surface altitude (m OD): 5.457
Bed Thickness (m)	Description	
2.82	Peat. Sharp boundary	
0.22	Dark greenish grey well sorted slightly clayey very fine sand containing rootlets and vertically oriented plant fragments. Sharp boundary	
0.03	Grey well sorted very fine sand. Sharp boundary	
0.17	Dark grey well sorted slightly clayey fine sand containing plant fragments. Sharp boundary	
>0.12	Dark bluish grey well sorted coarse sand containing rootlets and a single angular stone	
Core: Q23		
N: 51° 27.302'	W: 002° 47.963'	Surface altitude (m OD): 5.476
Bed Thickness (m)	Description	
2.73	Peat. Sharp boundary	
0.24	Dark greyish brown muddy clayey fine sand containing rootlets. Becomes very dark grey with organic fragments with increased depth. Sharp boundary	
0.11	Very dark greyish brown clay containing plant fragments and rootlets	
0.09	Not recovered	
0.20	Dark grey gravel of granules and angular small to medium stones in a coarse sand matrix. Becomes brown with increased depth. Sharp boundary	
>0.10	Light reddish brown well sorted medium sand with rare granules	
Core: Q24		
N: 51° 27.290'	W: 002° 47.953'	Surface altitude (m OD): 5.443
Bed Thickness (m)	Description	
2.58	Peat. Sharp boundary	
>0.11	Greyish brown upward fining coarse to medium sand with a single well round small stone. Contains vertically oriented plant fragments	
Core: Q25		
N: 51° 27.279'	W: 002° 47.940'	Surface altitude (m OD): 5.444
Bed Thickness (m)	Description	
2.46	Peat. Sharp boundary	
0.05	Dark greyish brown muddy clayey fine sand containing plant fragments and rootlets. Sharp boundary	
0.04	Brown well sorted medium sand with some green grains. Contains plant fragments	
0.07	Not recovered	
>0.26	Light brownish grey well sorted medium sand with very dark greenish grey mottles	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: Q26		
N: 51° 27.268'	W: 002° 47.929'	Surface altitude (m OD): 5.442
Bed Thickness (m)	Description	
>2.42	Peat	
Core: R1		
N: 51° 27.264'	W: 002° 47.909'	Surface altitude (m OD): 5.358
Bed Thickness (m)	Description	
1.96	Peat	
0.11	Not recovered	
0.05	Peat. Sharp boundary	
0.04	Yellowish brown well sorted coarse sand. Sharp boundary	
0.01	Grey well sorted very fine sand. Sharp boundary	
>0.11	Yellowish brown well sorted coarse sand with a single round small stone	
Core: R2		
N: 51° 27.260'	W: 002° 47.931'	Surface altitude (m OD): 5.380
Bed Thickness (m)	Description	
2.16	Peat. Sharp boundary	
0.07	Peat thinly interbedded with dark greyish brown very fine sand. Sharp boundary	
0.03	Brown poorly sorted upward coarsening fine to coarse sand. Sharp boundary	
0.03	Peat. Sharp boundary	
0.05	Yellowish brown coarse sand. Sharp boundary	
>0.03	Yellowish brown gravel of granules and broken round stones in a coarse sand matrix	
Core: R3		
N: 51° 27.255'	W: 002° 47.950'	Surface altitude (m OD): 5.388
Bed Thickness (m)	Description	
2.13	Peat. Sharp boundary	
0.05	Brown muddy clayey fine sand containing rootlets. Sharp boundary	
0.02	Grey gritty clay. Sharp boundary	
0.11	Greyish brown moderately sorted medium sand containing plant fragments. Sharp boundary	
0.02	Greyish brown gravel of granules and small stones in a medium sand matrix. Sharp boundary	
>0.03	Greyish brown medium sand	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: R4		
N: 51° 27.248'	W: 002° 48.969'	Surface altitude (m OD): 5.356
Bed Thickness (m)	Description	
>2.00	Peat	
Core: R5		
N: 51° 27.245'	W: 002° 47.981'	Surface altitude (m OD): 5.483
Bed Thickness (m)	Description	
2.25	Peat. Sharp boundary	
0.05	Very dark greyish brown moderately sorted very fine sand containing rootlets. Sharp boundary	
0.08	Peat. Sharp boundary	
0.09	Yellowish brown fine sand with angular granules. Sharp boundary	
0.08	Brown gravel of granules and small angular stones in a medium sand matrix. Sharp boundary	
0.12	Yellowish brown well sorted fine sand with rare angular small stones. Sharp boundary	
0.07	Reddish brown well sorted very dense clayey very fine sand. Sharp boundary	
>0.12	Yellowish brown dense silt with rare granules	
Core: R6		
N: 51° 27.240'	W: 002° 48.006'	Surface altitude (m OD): 5.264
Bed Thickness (m)	Description	
2.11	Peat	
0.21	Not recovered	
0.05	Dark greyish brown gravel of granules and sub-angular medium stones in a medium sand matrix. Sharp boundary	
0.03	Greyish brown well sorted very fine sand. Sharp boundary	
>0.26	Yellowish brown moderately sorted upward fining medium to fine sand with granules. Becomes strong brown with increased depth. Contains vertically oriented plant fragments	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: R7		
N: 51° 27.236'	W: 002° 48.025'	Surface altitude (m OD): 5.291
Bed Thickness (m)	Description	
2.10	Peat. Sharp boundary	
0.13	Very dark greyish brown clay, becoming gritty with increased depth. Contains rootlets. Sharp boundary	
0.01	Brownish yellow coarse sand. Sharp boundary	
0.06	Greyish brown fine sand. Sharp boundary	
0.07	Reddish brown gravel of granules and small stones in a fine sand matrix. Sharp boundary	
>0.11	Brown medium sand	
Core: R8		
N: 51° 27.230'	W: 002° 48.044'	Surface altitude (m OD): 5.230
Bed Thickness (m)	Description	
1.94	Peat. Sharp boundary	
>0.44	Peat thinly interbedded with very dark greyish brown to brown fine sand	
Core: R9		
N: 51° 27.223'	W: 002° 48.064'	Surface altitude (m OD): 5.190
Bed Thickness (m)	Description	
2.01	Peat. Sharp boundary	
0.09	Dark greyish brown well sorted fine sand. Sharp boundary	
>0.16	Brown gravel of granules and small round stones in a coarse sand matrix	
Core: R10		
N: 51° 27.221'	W: 002° 48.073'	Surface altitude (m OD): 5.215
Bed Thickness (m)	Description	
1.85	Peat. Sharp boundary	
>0.31	Yellowish brown moderately sorted medium sand	
Core: S1		
N: 51° 27.231'	W: 002° 48.086'	Surface altitude (m OD): 5.305
Bed Thickness (m)	Description	
>2.40	Peat	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: S2

N: 51° 27.240'

Bed Thickness (m)

2.46

0.21

>0.16

W: 002° 48.103'

Surface altitude (m OD): 5.340

Description

Peat. Sharp boundary

Greyish brown to grey moderately sorted medium sand containing rootlets. Sharp boundary

Peat

Core: S3

N: 51° 27.248'

Bed Thickness (m)

2.65

0.17

0.12

0.10

>0.08

W: 002° 48.120'

Surface altitude (m OD): 5.428

Description

Peat. Sharp boundary

Greyish brown poorly sorted upward fining coarse to medium sand containing plant and wood fragments.

Becomes grey with increased depth. Sharp boundary

Very dark greyish brown organic-rich muddy clay containing shell fragments. Sharp boundary

Brown muddy clay containing rootlets. Becomes olive brown with increased depth. Sharp boundary

Grey clay

Core: S4

N: 51° 27.256'

Bed Thickness (m)

2.87

0.06

0.01

0.25

0.11

0.10

>0.26

W: 002° 48.138'

Surface altitude (m OD): 5.428

Description

Peat. Sharp boundary

Greyish brown fine sand containing plant fragments. Sharp boundary

Grey poorly sorted coarse sand containing plant fragments. Sharp boundary

Dark greyish brown to greyish brown clayey very fine sand containing plant and shell fragments, a wood fragments and rootlets. Becomes light brownish grey and more clayey with increased depth. Sharp boundary

Light olive brown organic-rich muddy clayey very fine sand containing rootlets. Sharp boundary

Reddish yellow gravel of granules and medium sub-angular stones in a fine sand matrix. Contains shell fragments. Sharp boundary

Reddish yellow very dense gritty clay with a single small stone. Contains shell fragments

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: S5

N: 51° 27.265'

Bed Thickness (m)

2.78

0.28

0.18

0.08

0.09

0.08

>0.11

W: 002° 48.158'

Description

Peat. Gradational boundary

Olive brown muddy clay containing plant fragments and rootlets. Sharp boundary

Dark greyish brown well sorted fine sand containing plant and shell fragments. Sharp boundary

Olive organic-rich muddy silty clay with fewer shell fragments than overlying bed. Gradational boundary

Grey clayey sand containing plant fragments. Sharp boundary

Grey well sorted fine sand with occasional granules and a single small angular stone. Sharp boundary

Light grey fine sand

Surface altitude (m OD): 5.425

Core: S6

N: 51° 27.272'

Bed Thickness (m)

2.84

0.07

0.27

0.01

0.07

0.02

>0.06

W: 002° 48.175'

Description

Peat. Gradational boundary

Brown organic-rich clay. Sharp boundary

Olive brown clayey sand containing rootlets, shell fragments and vertically oriented plant fragments. Sharp boundary

Grey clay containing shell fragments. Sharp boundary

Greyish brown muddy clayey fine sand containing rootlets. Sharp boundary

Grey very fine sand containing plant and shell fragments. Sharp boundary

Greyish brown organic-rich muddy clayey sand containing shell fragments

Surface altitude (m OD): 5.511

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: S7

N: 51° 27.278'

Bed Thickness (m)

	W: 002° 48.185'	Surface altitude (m OD): 5.538
	Description	
2.98	Peat. Gradational boundary	
0.28	Greyish brown clay containing plant fragments and rootlets. Sharp boundary	
0.22	Grey well sorted muddy sand containing plant and shell fragments and rootlets. Becomes yellow and more clayey with increased depth. Sharp boundary	
0.02	Brownish yellow organic-rich muddy clay	
0.12	Disturbed	
0.14	Light yellowish brown moderately sorted coarse sand with occasional granules and a single round stone. Sharp boundary	
0.18	Light brown dense fine sand with occasional granules and rotten stone 'ghosts'. Sharp boundary	
0.07	Brown dense gritty clay. Sharp boundary	
0.07	Strong brown clayey fine sand. Sharp boundary	
0.03	Brownish yellow well sorted medium sand with occasional small stones. Sharp boundary	
>0.05	Light yellowish brown gritty clay with occasional granules and a single stone	

Core: S8

N: 51° 27.284'

Bed Thickness (m)

	W: 002° 48.198'	Surface altitude (m OD): 5.459
	Description	
2.89	Peat. Sharp boundary	
0.17	Brown muddy very fine sand containing plant and shell fragments. Sharp boundary	
0.38	Greyish brown silty clay containing plant and wood fragments and rootlets; less plant material than overlying bed. Sharp boundary	
0.01	Bluish grey silt. Sharp boundary	
>0.05	Very dark greyish brown organic-rich clay	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: S9

N: 51° 27.292'

Bed Thickness (m)

2.90

0.18

0.38

0.19

0.04

0.09

0.12

0.08

>0.09

W: 002° 48.215'

Description

Peat. Sharp boundary

Light brownish grey organic-rich clay. Sharp boundary

Greyish brown organic-rich clay. Sharp boundary

Grey clay containing vertically oriented plant fragments. Sharp boundary

Pale brown clay containing rootlets. Sharp boundary

Light yellowish brown gravel of granules and small round stones in an upward fining matrix of sand to gritty clay. Sharp boundary

Brown gravel of granules and a large round stone. Sharp boundary

Reddish yellow medium sand. Gradational boundary

Light brown gritty clay coarsening upwards to clayey sand

Surface altitude (m OD): 5.495

Core: S10

N: 51° 27.298'

Bed Thickness (m)

2.94

0.44

0.02

0.10

0.36

0.11

>0.17

W: 002° 48.231'

Description

Peat with shell at lower contact. Sharp boundary

Pale brown muddy clay containing rootlets and vertically oriented plant fragments. Becomes greyish brown with increased depth. Sharp boundary

Grey fine sand containing plant fragments. Sharp boundary

Dark greyish brown organic-rich muddy clay containing shell fragments and rootlets. Sharp boundary

Light grey clay containing shell fragments and rootlets. Becomes Greyish brown with increased depth. Sharp boundary

Yellow marly clay. Sharp boundary

Light brown gritty clay

Surface altitude (m OD): 5.463

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: S11

N: 51° 27.307'

Bed Thickness (m)

2.85

0.20

0.01

0.34

0.28

0.09

0.06

0.01

0.23

>0.08

W: 002° 48.250'

Description

Peat with shell fragments at lower contact. Sharp boundary

Light brownish grey clay containing plant fragments. Sharp boundary

Greyish brown muddy clay containing plant fragments and rootlets. Sharp boundary

Dark grey muddy clay containing plant fragments. Becomes very dark greyish brown then grey with increased depth. Displays fractures across the width of the core and contains rootlets and vertically oriented plant fragments. Sharp boundary

Light olive brown organic-rich clay containing shell fragments. Sharp boundary

Bluish grey gritty clay containing plant fragments. Sharp boundary

Bluish grey clay. Sharp boundary

Grey fine sand. Sharp boundary

Bluish grey gritty clay containing plant fragments. Sharp boundary

Light brownish grey fine sand containing plant and shell fragments

Surface altitude (m OD): 5.495

Core: S12

N: 51° 27.318'

Bed Thickness (m)

2.77

0.08

0.06

0.10

0.17

0.22

0.22

>0.43

W: 002° 48.269'

Description

Peat with shell fragments at lower contact. Sharp boundary

Grey silt containing plant fragments. Sharp boundary

Pale brown silty clay containing plant fragments. Sharp boundary

Olive brown organic-rich clay containing rootlets. Sharp boundary

Greyish brown clayey silt containing vertically oriented plant fragments, fewer than overlying bed. Sharp boundary

Light grey clay containing vertically oriented plant fragments and rootlets. Becomes light brownish grey with increased depth. Sharp boundary

Light olive brown organic-rich clay containing rootlets. Becomes less organic-rich with increased depth. Sharp boundary

Grey gritty clay containing vertically oriented plant fragments and rootlets. Plant content decreases with increased depth and clay becomes less gritty

Surface altitude (m OD): 5.511

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: S13

N: 51° 27.325'

W: 002° 48.286'

Surface altitude (m OD): 5.476

Bed Thickness (m)

Bed Thickness (m)	Description
2.88	Peat with shell fragments at lower contact. Sharp boundary
0.28	Light brownish grey silty clay containing plant fragments. Becomes light olive brown then olive brown with increased depth. Sharp boundary
0.24	Grey gritty clay containing vertically oriented plant fragments and shell fragments. Sharp boundary
0.10	Pale brown clay with plant fragments. Becomes greyish brown muddy clay containing shell fragments with increased depth. Sharp boundary
0.31	Light olive brown organic-rich clay. Becomes dark greyish brown with rootlets and increasingly clayey with increased depth. Sharp boundary
>0.17	Strong brown well sorted medium sand containing shell fragments

Core: S14

N: 51° 27.335'

W: 002° 48.300'

Surface altitude (m OD): 5.487

Bed Thickness (m)

Bed Thickness (m)	Description
2.80	Peat. Sharp boundary
0.24	Grey silty clay containing shells and shell fragments. Becomes light brownish grey with plant fragments then light olive brown and organic-rich with increased depth. Sharp boundary
0.22	Dark greyish brown clay containing rootlets. Sharp boundary
0.06	Greyish brown organic-rich clay containing shell fragments
0.08	Not recovered
0.24	Greyish brown clay containing rootlets. Sharp boundary
0.10	Light yellowish brown clay. Sharp boundary
0.14	Reddish yellow upward fining fine sand with occasional granules and a single sub-angular stone. Sharp boundary
>0.08	Strong brown medium sand

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: S15

N: 51° 27.338'

W: 002° 48.309'

Surface altitude (m OD): 5.556

Bed Thickness (m)

Description

2.90

Peat with shell fragments at lower contact. Sharp boundary

0.10

Dark greyish brown silty clay containing plant and shell fragments. Sharp boundary

0.16

Light yellowish brown silt containing plant fragments. Sharp boundary

0.15

Olive brown organic-rich muddy clay containing abundant rootlets

0.23

Disturbed

0.06

Light yellowish brown clay containing plant fragments. Sharp boundary

0.08

Very dark greyish brown muddy clay containing abundant rootlets. Sharp boundary

>0.10

Yellow clay

Core: S16

N: 51° 27.346'

W: 002° 48.325'

Surface altitude (m OD): 5.653

Bed Thickness (m)

Description

2.93

Peat. Sharp boundary

0.18

Light yellowish brown clay containing plant and shell fragments. Sharp boundary

0.35

Dark yellowish brown organic-rich muddy clay. Contains vertically oriented plant fragments and rootlets.

Becomes very dark greyish brown with increased depth. Sharp boundary

0.16

Olive brown clay containing vertically oriented plant fragments. Sharp boundary

0.20

Bluish grey gritty clay containing vertically oriented plant fragments. Sharp boundary

0.02

Light grey poorly sorted medium sand containing vertically oriented plant fragments. Sharp boundary

0.04

Grey clay. Sharp boundary

0.06

Grey medium sand containing vertically oriented plant fragments. Sharp boundary

0.10

Brown gravelly sand with small round stones. Contains shell fragments. Sharp boundary

>0.22

Pinkish grey dense gritty clay containing shell fragments

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: S17

N: 51° 27.356'

Bed Thickness (m)

	W: 002° 48.342'	Surface altitude (m OD): 5.499
2.82	Description	
0.20	Peat. Sharp boundary	
	Greyish brown clay containing plant, wood and shell fragments. Becomes light brownish grey then light yellowish brown with increased depth. Sharp boundary	
0.26	Dark yellowish brown clay containing vertically oriented plant fragments and rootlets. Becomes dark greyish brown muddy clay with increased depth. Sharp boundary	
0.25	Light olive brown organic-rich clay. Sharp boundary	
0.06	Greyish brown clay containing plant fragments. Sharp boundary	
0.01	Bluish grey well sorted very fine sand. Sharp boundary	
0.04	Bluish grey gritty clay containing rootlets. Sharp boundary	
0.30	Light brownish grey clay containing shell fragments and rare rootlets. Becomes very pale brown with increased depth. Sharp boundary	
0.09	Strong brown poorly sorted medium sand with a single angular stone. Contains shell fragments. Sharp boundary	
>0.17	Pink very dense gritty clay with a single granule. Contains shell fragments	

Core: S18

N: 51° 27.366'

Bed Thickness (m)

	W: 002° 48.362'	Surface altitude (m OD): 5.583
2.83	Description	
0.15	Peat. Sharp boundary	
	Grey clay containing plant and shell fragments. Becomes light brownish grey with increased depth. Sharp boundary	
0.21	Dark yellowish brown clay containing abundant rootlets. Sharp boundary	
0.08	Dark greyish brown clay containing rootlets and rare shell fragments. Sharp boundary	
0.37	Light brownish grey clay containing abundant plant fragments and rare shell fragments. Becomes light olive brown and organic-rich with increased depth. Sharp boundary	
>0.31	Dark bluish grey clay containing occasional plant fragments	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: S19

N: 51° 27.373'

Bed Thickness (m)

2.78	W: 002° 48.381'	Surface altitude (m OD): 5.494
0.14	Description	
0.13	Peat. Sharp boundary	
0.21	Light brownish grey clay containing plant fragments. Sharp boundary	
0.39	Dark yellowish brown clay containing abundant plant fragments. Sharp boundary	
0.59	Very dark greyish brown muddy clay containing plant fragments and rootlets. Sharp boundary	
0.14	Olive brown organic-rich clay. Sharp boundary	
>0.12	Bluish grey marly clay becoming mottled dark bluish grey with increased depth. Sharp boundary	
	Pinkish grey gravel of round small and medium stones in a fine sand matrix. Sharp boundary	
	Pinkish grey very dense gritty clay with rare granules and rootlets. Becomes less gritty with increased depth	

Core: S20

N: 51° 27.380'

Bed Thickness (m)

2.73	W: 002° 48.392'	Surface altitude (m OD): 5.484
0.11	Description	
0.11	Peat with very small shell fragments at lower contact. Sharp boundary	
0.12	Grey clay containing plant fragments. Sharp boundary	
0.09	Yellowish brown clay containing abundant plant fragments and rootlets. Sharp boundary	
0.17	Dark greyish brown muddy clay containing vertically oriented plant fragments. Sharp boundary	
>0.60	Greyish brown silty very fine sand containing plant fragments and possible seeds/fruits. Sharp boundary	
	Olive brown organic-rich silty clay. Sharp boundary	
	Bluish grey marly clay containing rare rootlets and a wood fragment. Becomes light yellowish brown with increased depth	

Core: S21

N: 51° 27.386'

Bed Thickness (m)

2.82	W: 002° 48.413'	Surface altitude (m OD): 5.567
0.10	Description	
0.11	Peat. Sharp boundary	
0.11	Light brownish grey clay containing plant fragments. Sharp boundary	
0.46	Yellowish brown clay containing rootlets. Becomes dark greyish brown muddy clay containing plant fragments and rootlets with increased depth. Sharp boundary	
>0.56	Brown silty clay containing rootlets. Sharp boundary	
	Very dark greyish brown clay containing rootlets and possible seeds. Becomes olive brown and organic-rich with increased depth. Sharp boundary	
	Light brownish grey marly clay containing vertically oriented plant fragments. Becomes mottled bluish grey with increased depth	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: S22

N: 51° 27.392'

W: 002° 48.422'

Surface altitude (m OD): 5.611

Bed Thickness (m)

Description

2.80	Peat. Sharp boundary
0.07	Light brownish grey clay containing rootlets. Sharp boundary
0.09	Yellowish brown clay containing rootlets. Sharp boundary
0.30	Greyish brown muddy clay containing plant fragments and rootlets. Sharp boundary
0.34	Olive brown organic-rich clay. Sharp boundary
>0.56	Light brownish grey marly clay containing vertically oriented plant fragments. Becomes mottled bluish grey with increased depth

Core: S23

N: 51° 27.396'

W: 002° 48.423'

Surface altitude (m OD): 5.602

Bed Thickness (m)

Description

2.75	Peat. Sharp boundary
0.07	Light grey clay containing plant fragments. Sharp boundary
0.16	Yellowish brown clay containing plant fragments and rootlets. Gradational boundary
0.22	Very dark greyish brown muddy clay containing rootlets. Sharp boundary
0.29	Olive brown clay containing plant fragments and rootlets. Sharp boundary
0.15	Grey marly clay containing rare vertically oriented roots and rootlets. Gradational boundary
>0.34	Pinkish grey clay with orange mottles

Core: S24

N: 51° 27.405'

W: 002° 48.439'

Surface altitude (m OD): 5.513

Bed Thickness (m)

Description

2.74	Peat. Sharp boundary
0.08	Light grey clay containing plant fragments. Sharp boundary
0.05	Dark yellowish brown clay containing plant fragments and rootlets. Sharp boundary
0.29	Dark greyish brown muddy silty clay containing plant fragments and rootlets. Sharp boundary
0.12	Light olive grey clay containing plant fragments. Sharp boundary
0.21	Light olive brown organic-rich clay. Sharp boundary
0.47	Bluish grey marly clay rare vertically oriented plant stems. Becoming light brownish grey then yellowish brown and slightly gritty with increased depth. Sharp boundary
>0.02	Strong brown well sorted fine sand containing shell fragments

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: S25

N: 51° 27.415'

Bed Thickness (m)

2.66	W: 002° 48.454'	Surface altitude (m OD): 5.441
0.03	Description	
0.08	Peat. Sharp boundary	
0.25	Light olive grey clay. Sharp boundary	
0.02	Dark yellowish brown clay. Gradational boundary	
0.58	Very dark greyish brown muddy silty clay containing plant fragments and rootlets. Sharp boundary	
0.35	Grey marly clay containing rootlets. Sharp boundary	
>0.07	Light olive grey clay containing plant fragments becoming light olive brown and organic-rich with increased depth. Sharp boundary	
	Bluish grey slightly gritty clay containing vertically oriented plant stems. Sharp boundary	
	Strong brown very dense gritty clay containing shell fragments	

Core: S26

N: 51° 27.428'

Bed Thickness (m)

2.63	W: 002° 48.468'	Surface altitude (m OD): 5.460
0.06	Description	
0.05	Peat. Sharp boundary	
0.02	Grey clay containing rootlets. Sharp boundary	
0.23	Brown clay containing plant fragments. Sharp boundary	
0.25	Greyish brown clayey very fine sand containing plant fragments and rootlets. Sharp boundary	
0.18	Very dark greyish brown muddy silty clay containing plant fragments and rootlets. Sharp boundary	
0.42	Light yellowish brown clay containing rootlets. Sharp boundary	
>0.09	Olive brown organic-rich clay. Plant fragments are vertically oriented. Sharp boundary	
	Bluish grey slightly gritty marly clay containing vertically oriented plant stems. Sharp boundary	
	Grey moderately sorted fine sand containing very small shell fragments	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: S27

N: 51° 27.433'

W: 002° 48.477'

Surface altitude (m OD): 5.518

Bed Thickness (m)

Bed Thickness (m)	Description
2.61	Peat. Sharp boundary
0.07	Grey clay containing very small plant fragments. Sharp boundary
0.06	Brown clay containing rootlets. Sharp boundary
0.24	Very dark greyish brown muddy silty clay containing plant fragments and rootlets. Sharp boundary
0.48	Light olive grey clay containing plant fragments and rootlets becoming light olive brown and organic-rich with increased depth. Sharp boundary
0.18	Very dark bluish grey gritty clay containing vertically oriented plant fragments. Sharp boundary
0.02	Grey well sorted fine sand containing plant fragments and very small shell fragments. Sharp boundary
0.04	Grey gritty clay containing plant fragments. Sharp boundary
0.01	Grey well sorted fine sand containing plant fragments. Sharp boundary
0.03	Grey clay. Sharp boundary
>0.22	Greyish brown well sorted fine sand with small medium stones. Becomes increasingly clayey with increased depth

Core: S28

N: 51° 27.443'

W: 002° 48.488'

Surface altitude (m OD): 5.590

Bed Thickness (m)

Bed Thickness (m)	Description
2.61	Peat. Sharp boundary
0.06	Blush grey clay. Sharp boundary
0.33	Brown clay containing plant fragments. Becomes dark greyish brown muddy silty clay containing plant fragments and rootlets with increased depth. Sharp boundary
0.35	Light olive grey clay containing plant fragments and rootlets. Becomes olive brown and organic-rich with increased depth
0.03	Disturbed
0.10	Bluish grey gritty clay containing vertically oriented plant fragments. Sharp boundary
0.03	Light bluish grey well sorted clayey fine sand containing vertically oriented plant fragments. Sharp boundary
0.06	Bluish grey clay containing vertically oriented plant fragments. Sharp boundary
0.06	Bluish grey clayey fine sand with a line of small stones and granules at the upper contact. Becomes increasingly clayey with increased depth. Sharp boundary
0.05	Grey clay. Sharp boundary
0.22	Brown well sorted fine sand containing plant fragments and very small shell fragments. Sharp boundary
0.06	Grey gritty clay. Sharp boundary
>0.12	Light brown well sorted clayey fine sand

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: S29

N: 51° 27.454'

W: 002° 48.495'

Surface altitude (m OD): 5.515

Bed Thickness (m)

Bed Thickness (m)	Description
2.54	Peat. Sharp boundary
0.05	Light grey clay. Sharp boundary
0.07	Greyish brown clay containing plant fragments. Gradational boundary
0.24	Very dark greyish brown muddy silty clay containing abundant rootlets. Sharp boundary
0.30	Light brownish grey clay containing plant fragments and rootlets. Becomes Light olive brown and organic-rich with increased depth. Sharp boundary
0.08	Greenish grey slightly gritty clay
0.04	Disturbed
0.01	Grey fine sand. Sharp boundary
0.24	Bluish grey clay with occasional granules containing vertically oriented plant fragments. Becomes grey and increasingly gritty with increased depth. Sharp boundary
0.05	Grey fine sand with granules and small stones. Sharp boundary
>0.18	Greenish grey gritty clay containing very small shell fragments

Core: S30

N: 51° 27.468'

W: 002° 48.506'

Surface altitude (m OD): 5.561

Bed Thickness (m)

Bed Thickness (m)	Description
2.63	Peat. Sharp boundary
0.31	Light olive grey clay becoming light brownish grey containing plant fragments then very dark greyish brown muddy silty clay containing plant fragments and rootlets. Sharp boundary
0.34	Light brownish grey clay containing vertically oriented plant fragments and rootlets. Becomes light olive brown and organic-rich with increased depth. Sharp boundary
0.03	Light bluish grey clay. Sharp boundary
0.31	Grey upward coarsening stony fine sand. Sharp boundary
>0.06	Pinkish grey gritty clay

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: S31

N: 51° 27.477'

Bed Thickness (m)

2.42

0.24

0.03

0.26

0.06

0.12

>0.40

W: 002° 48.516'

Description

Peat. Sharp boundary

Greyish brown muddy clay containing rootlets. Gradational boundary

Very dark greyish brown muddy silty clay containing abundant rootlets. Sharp boundary

Brown clay containing plant fragments. Gradational boundary

Olive grey gritty clay. Gradational boundary

Grey well sorted fine sand. Sharp boundary

Greenish grey gritty clay with occasional granules

Surface altitude (m OD): 5.435

Core: S32

N: 51° 27.496'

Bed Thickness (m)

2.67

0.31

0.22

>0.16

W: 002° 48.534'

Description

Peat. Sharp boundary

Greyish brown muddy clay becoming dark greyish brown containing rootlets. Sharp boundary

Light olive brown muddy clay containing plant fragments and rootlets. Sharp boundary

Grey poorly sorted medium to coarse sand with small angular to very angular stones. Contains vertically oriented rootlets

Surface altitude (m OD): 5.578

Core: S33

N: 51° 27.507'

Bed Thickness (m)

2.70

0.26

0.26

0.44

0.05

0.10

>0.07

W: 002° 48.545'

Description

Peat. Sharp boundary

Greyish brown muddy clay containing rootlets. Becomes dark greyish brown and rootlets become vertically oriented with increased depth. Sharp boundary

Light olive brown organic-rich clay. Sharp boundary

Grey poorly sorted fine sand with occasional granules becoming light brown with rare angular stones with increased depth. Sharp boundary

Light brown gravel of small angular to sub-angular stones in a fine sand matrix. Sharp boundary

Pink fine sand with occasional granules. Contains shell fragments. Sharp boundary

Pink clay containing shell fragments

Surface altitude (m OD): 5.538

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: S34		
N: 51° 27.521'	W: 002° 48.555'	Surface altitude (m OD): 5.612
Bed Thickness (m)	Description	
2.54	Peat. Sharp boundary	
0.07	Greyish brown muddy clay. Sharp boundary	
0.10	Dark greyish brown muddy silty gritty clay containing vertically oriented plant fragments. Sharp boundary	
0.01	Grey very fine sand. Sharp boundary	
0.08	Very dark greyish brown muddy clay containing rootlets. Sharp boundary	
0.27	Light olive brown organic-rich clay. Plant material is vertically oriented. Sharp boundary	
0.53	Bluish grey poorly sorted fine sand containing plant and shell fragments. Becomes light brown and increasingly clayey with increased depth. Gradational boundary	
>0.04	Pink gritty clay	
Core: S35		
N: 51° 27.533'	W: 002° 48.564'	Surface altitude (m OD): 5.628
Bed Thickness (m)	Description	
2.72	Peat. Gradational boundary	
0.07	Dark greyish brown muddy clay containing plant fragments and rootlets. Sharp boundary	
0.01	Grey very fine sand. Sharp boundary	
0.07	Dark greyish brown slightly gritty muddy clay containing rootlets. Sharp boundary	
0.13	Very dark greyish brown muddy clay containing abundant rootlets. Gradational boundary	
0.08	Light olive brown organic-rich clay. Sharp boundary	
0.07	Bluish grey medium sand with occasional granules. Contains shell fragments. Sharp boundary	
0.05	Bluish grey gravel of granules and stones in a fine sand matrix. Sharp boundary	
0.26	Light brown fine sand with occasional granules. Contains shell fragments. Clay content increases with increased depth. Sharp boundary	
>0.02	Yellowish red very gritty clay	
Core: S36		
N: 51° 27.545'	W: 002° 48.574'	Surface altitude (m OD): 5.643
Bed Thickness (m)	Description	
2.76	Peat. Sharp boundary	
0.29	Greyish brown muddy gritty clay containing plant fragments. Becomes dark greyish brown containing plant fragments and rootlets with increased depth. Sharp boundary	
>0.09	Bluish grey poorly sorted medium sand	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: S37		
N: 51° 27.556'	W: 002° 48.584'	Surface altitude (m OD): 5.707
Bed Thickness (m)	Description	
2.72	Peat. Sharp boundary	
>0.26	Dark greyish brown muddy clay containing plant fragments. Becomes very dark greyish brown containing abundant rootlets with increased depth	
Core: S38		
N: 51° 27.569'	W: 002° 48.594'	Surface altitude (m OD): 5.688
Bed Thickness (m)	Description	
2.66	Peat. Sharp boundary	
0.15	Grey slightly gritty clay containing occasional plant fragments. Becomes very dark greyish brown slightly peaty clay with increased depth	
0.04	Disturbed	
0.05	Yellow gritty clay	
0.04	Disturbed	
0.02	Brownish yellow fine sand with occasional granules. Sharp boundary	
0.16	Light reddish brown gravel of sub-angular granules in a fine sand matrix. Contains shell fragments. Sharp boundary	
0.07	Red poorly sorted gravel of granules, small stones and fine sand. Sharp boundary	
0.07	Brown coarse sand. Sharp boundary	
>0.12	Red poorly sorted gravel of granules and round stones in a fine sand matrix	
Core: S39		
N: 51° 27.581'	W: 002° 48.605'	Surface altitude (m OD): 5.742
Bed Thickness (m)	Description	
>2.22	Peat	
Core: S40		
N: 51° 27.593'	W: 002° 48.616'	Surface altitude (m OD): 5.788
Bed Thickness (m)	Description	
2.00	Peat	
0.04	Disturbed	
>0.06	Greyish brown well sorted fine sand becoming light greyish brown with increased depth	

Appendix I: Stratigraphic descriptions of manual cores of Gordano Valley sediments

Core: S41

N: 51° 27.605'

Bed Thickness (m)

1.62

0.22

>0.24

W: 002° 48.625'

Surface altitude (m OD): 5.800

Description

Peat. Sharp boundary

Greyish brown well sorted fine sand containing shell fragments. Becomes light reddish brown with occasional granules then reddish yellow with increased depth. Sharp boundary

Light reddish brown upward coarsening very fine to well sorted fine sand with a single round stone. Becomes clayey with increased depth

Core: S42

N: 51° 27.610'

Bed Thickness (m)

>1.44

W: 002° 48.631'

Surface altitude (m OD): 5.850

Description

Peat