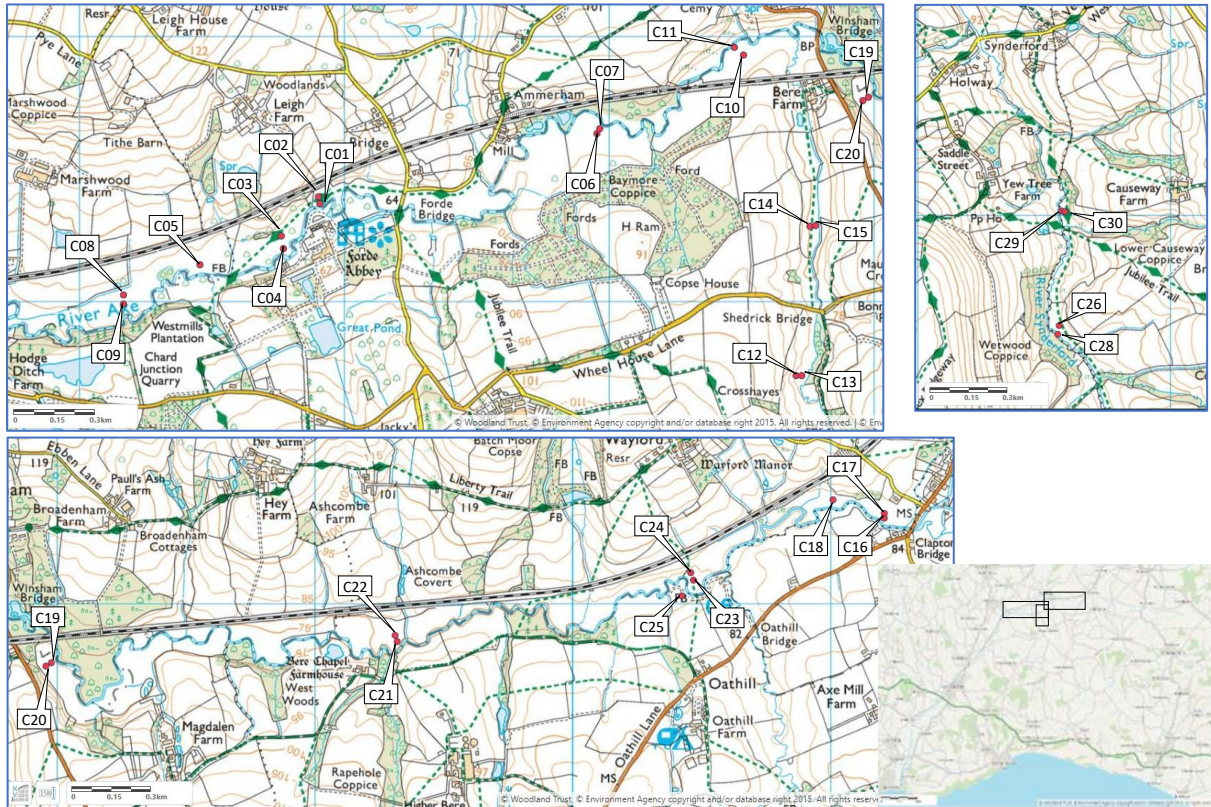


River Axe Soil Profile Cores



Figures: Soil core locations

Core C01

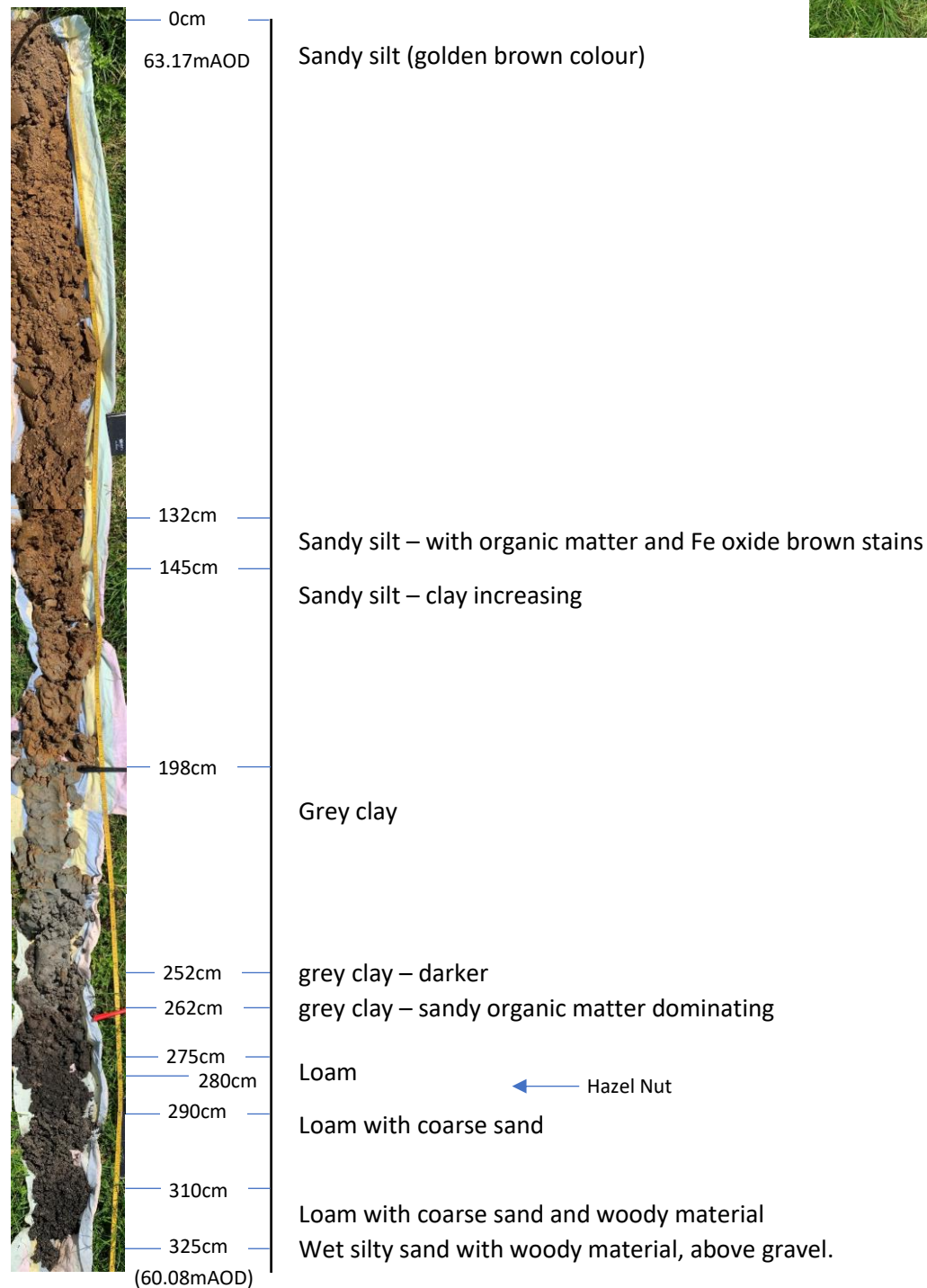
Location Right floodplain in line with upstream of Forde Abbey

Core Type Floodplain

Date and Time 19 July 2023 11:15-13:42

Grid location ST 35906 05368 (acc 4m) ST 35908 05371 (acc 4m)

2m Terrain Elevation 63.17mAOD → Gravel elevation 60.08mAOD



Core C02

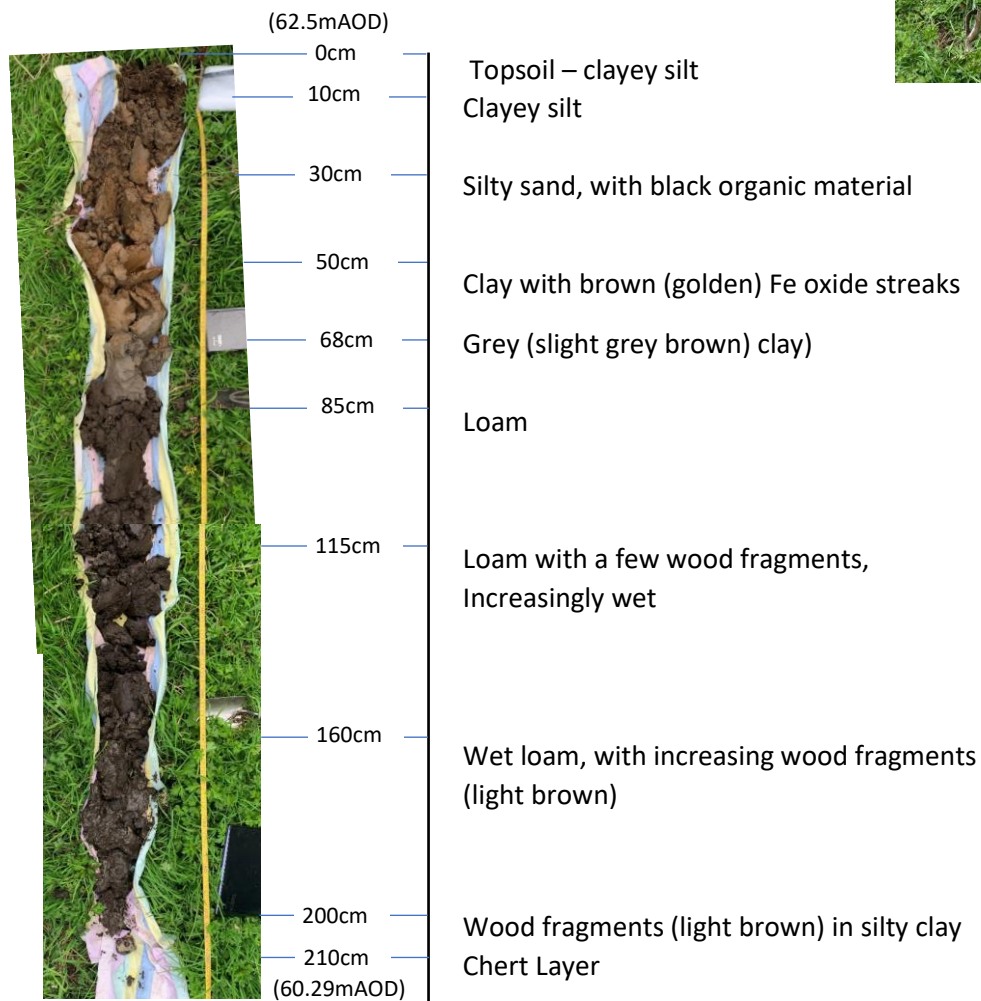
Location Far right floodplain, in line with u/s of Forde Abbey

Core Type Paleochannel (linear depression)

Date and Time 19 July 2023 14:55 – 16:20

Grid location ST 35900 05394 (acc 4m) ST 35894 05396 (acc 6m)

2m Terrain Elevation 62.5mAOD → Gravel elevation 60.29mAOD



Core C03

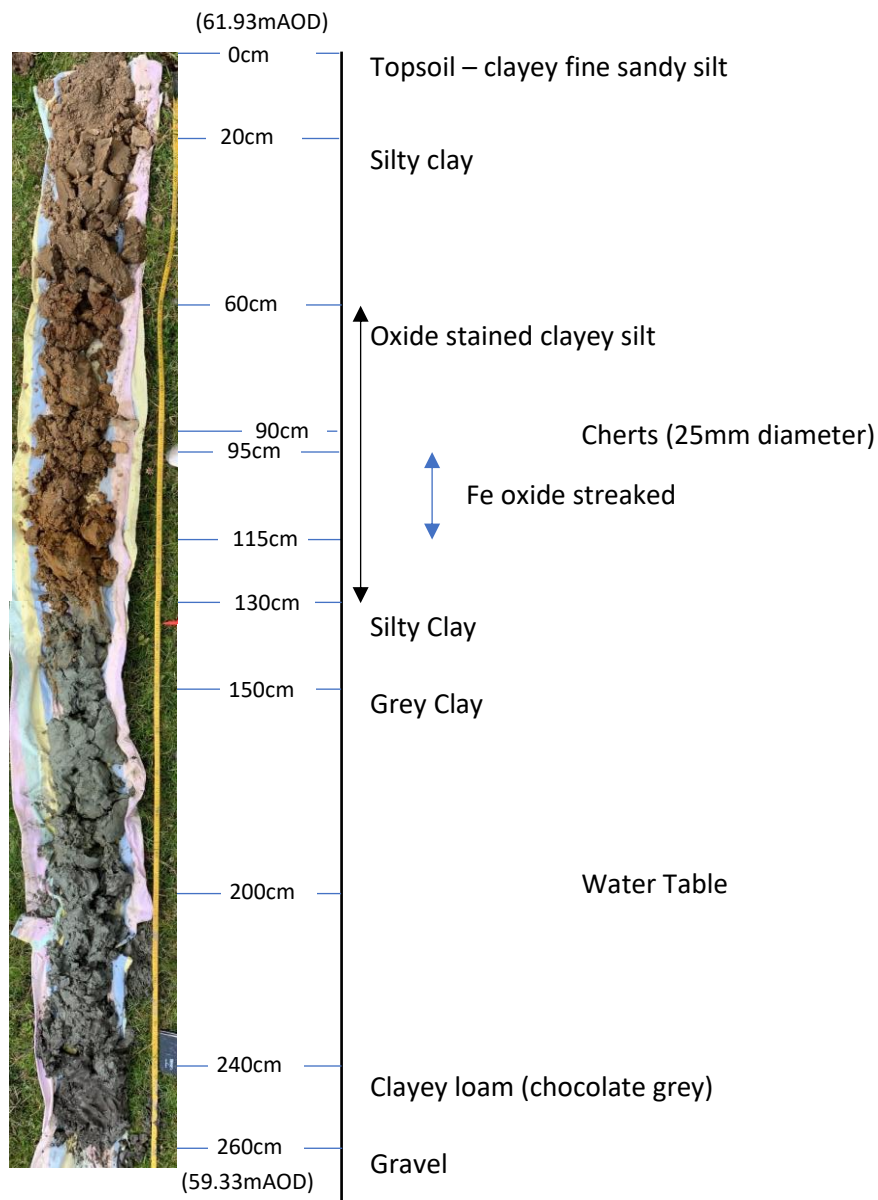
Location Mid-right floodplain, 10-20m u/s of Sawmill Cottage

Core Type Paleochannel

Date and Time 20 July 2023 10:04 – 11:59

Grid location ST 35760 05248 (acc 4m) ST 35761 053246 (acc 6m)

2m Terrain Elevation 61.93mAOD → Gravel elevation 59.33mAOD



Core C04

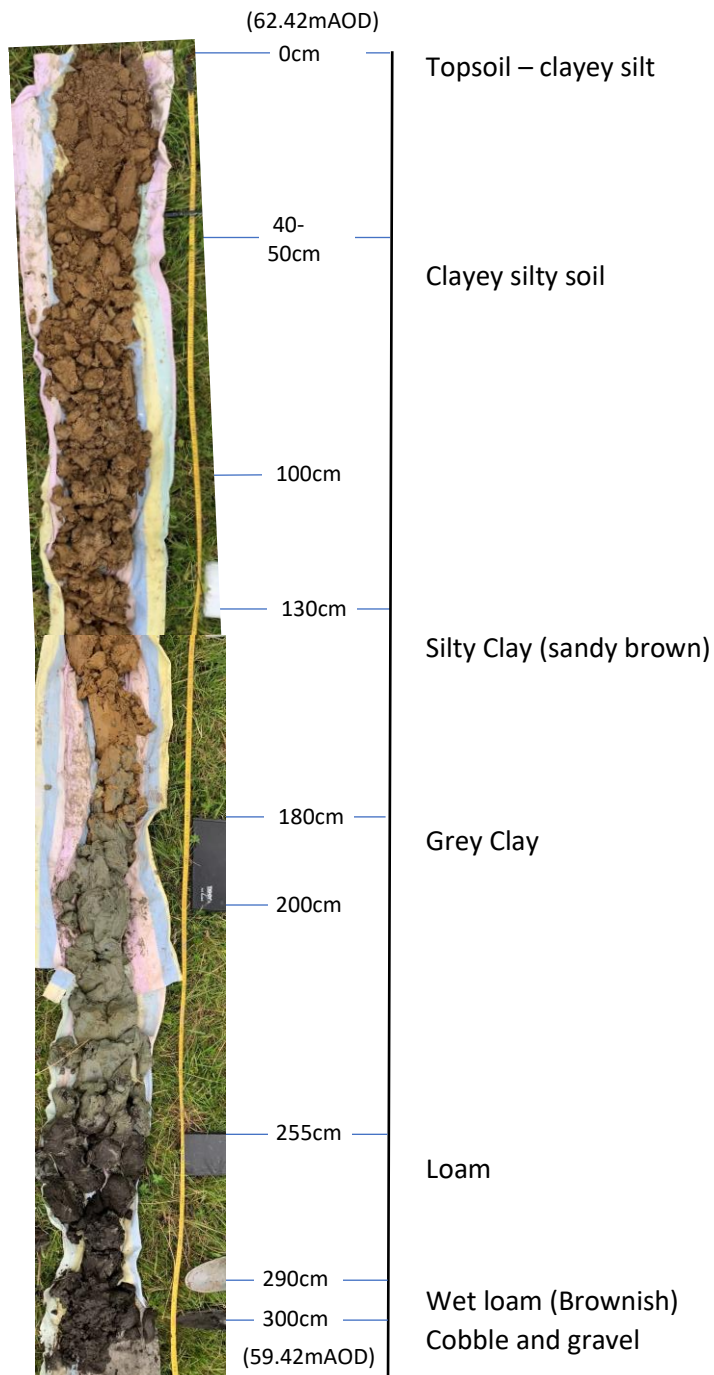
Location R floodplain, 8m into field, 10-20m u/s of Sawmill Cottage

Core Type Floodplain

Date and Time 20 July 2023 13:03 – 15:00

Grid location ST 35771 05200 (acc 5m) ST 35770 05202 (acc 6m)

2m Terrain Elevation 62.42mAOD → Gravel elevation 59.42mAOD



Core C05

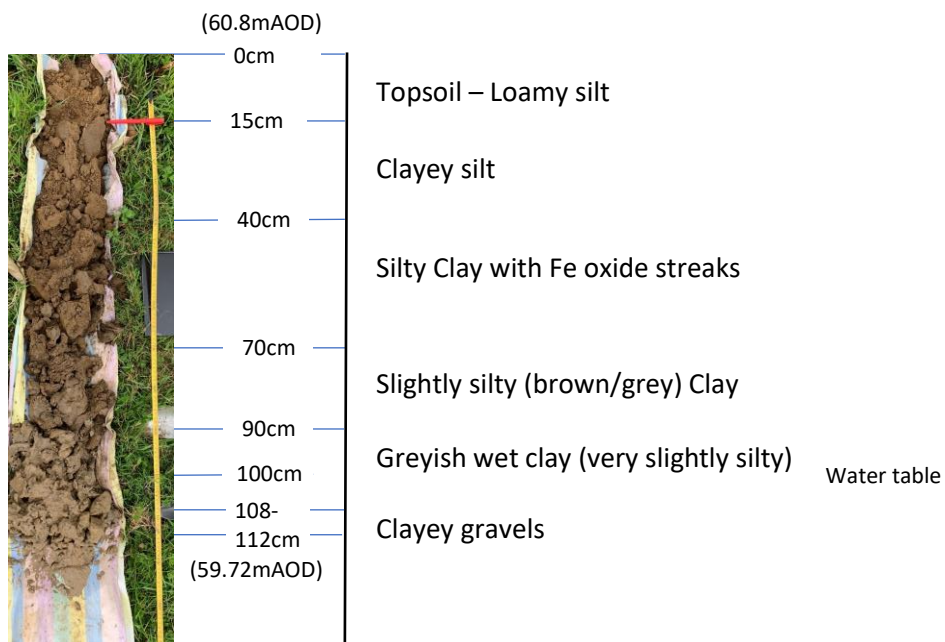
Location R floodplain, depression in field d/s Forde Abbey
between the OxBow and tributary delta

Core Type Floodplain/Tributary's paleochannel

Date and Time 20 July 2023 16:39 –

Grid location ST 35454 05140 (acc 5m) ST 35454 05140 (acc 6m)

2m Terrain Elevation 60.8mAOD → Gravel elevation 59.72mAOD



Core C06

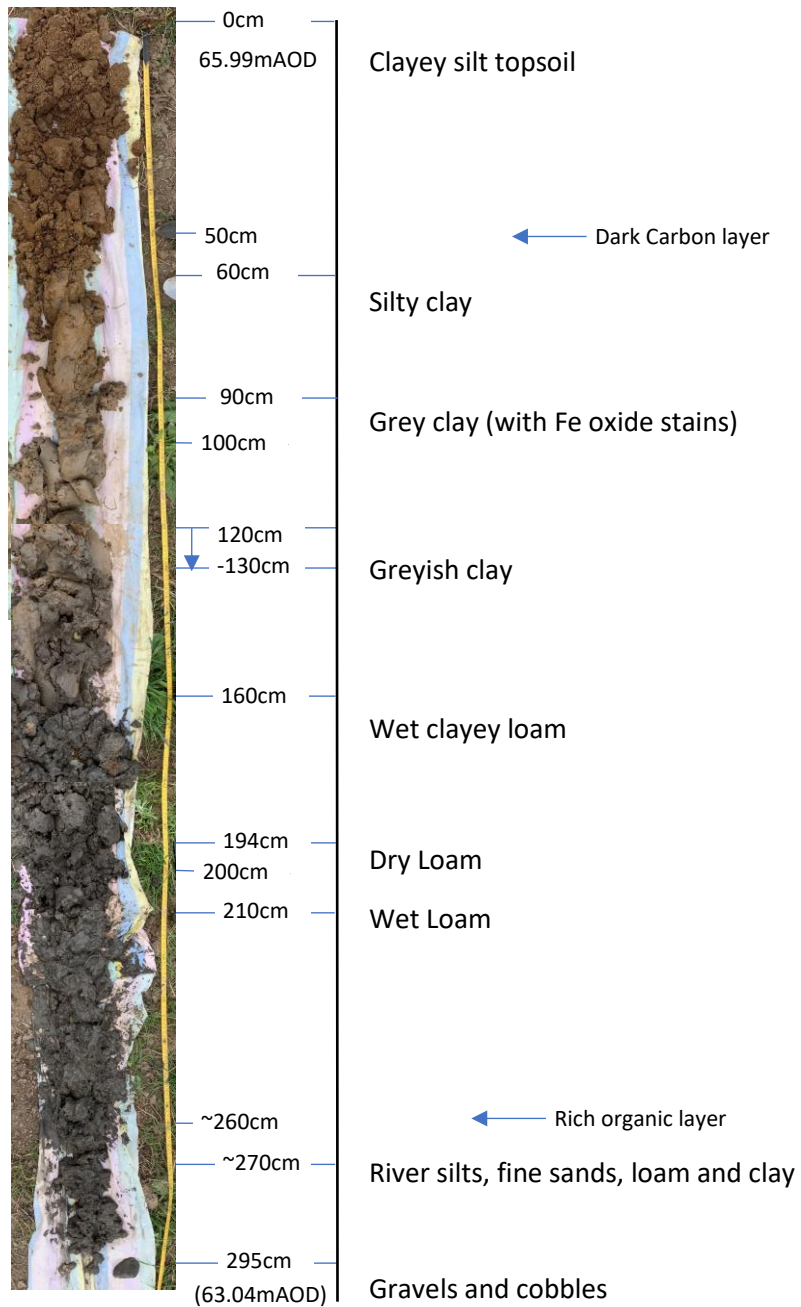
Location Left floodplain u/s and opposite Amerham Mill

Core Type Paleochannel

Date and Time 21 July 2023 10:11-11:45

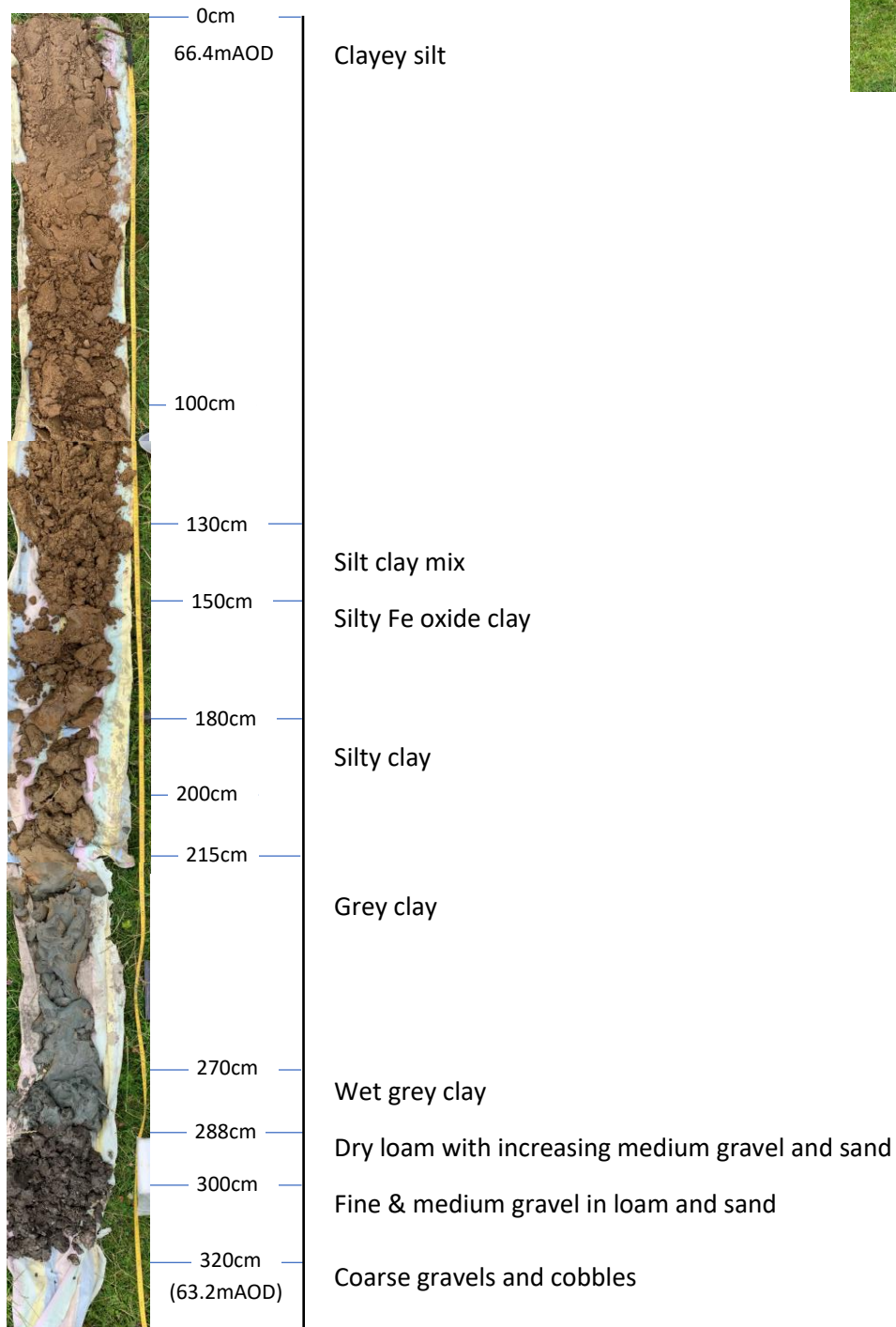
Grid location ST 36952 05634 (acc 4m) ST 36951 05633 (acc 6m)

2m Terrain Elevation 65.99mAOD → Gravel elevation 63.04mAOD



Core C07

Location Left floodplain u/s and opposite Amerham Mill
Core Type Floodplain, between paleochannel and channel
Date and Time 21 July 2023 12:47-14:30
Grid location ST 36962 05652 (acc 4m) ST 36962 05652 (acc 6m)
2m Terrain Elevation 66.4mAOD → Gravel elevation 63.2mAOD



Core C08

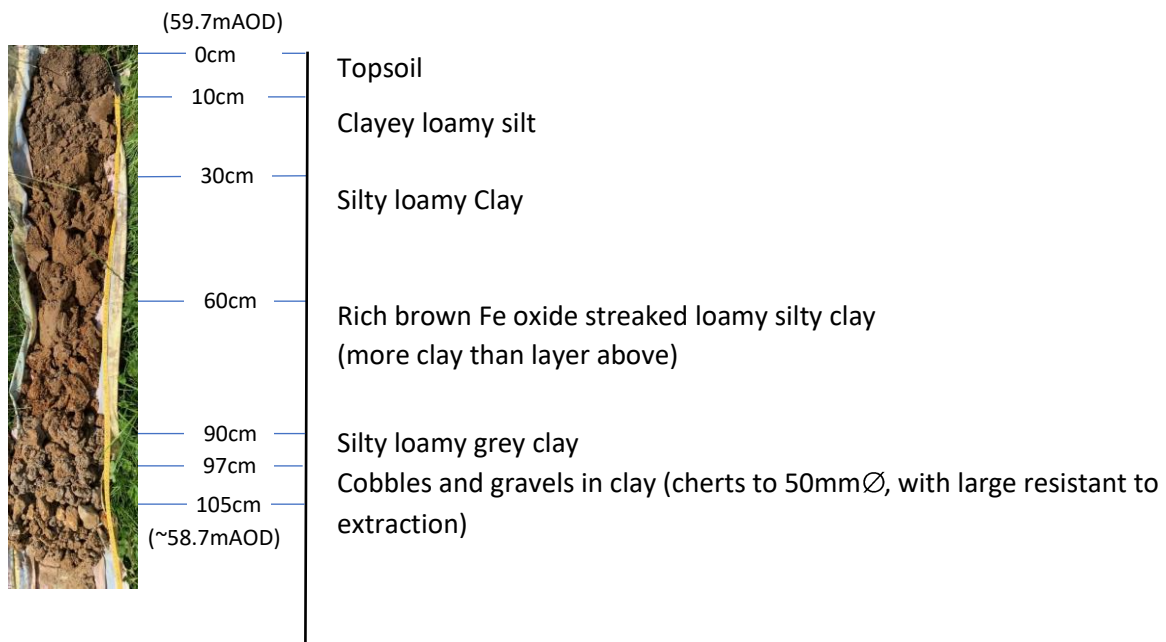
Location 42m west field and ditch line, Hodge Ditch to Forde Abbey

Core Type Paleochannel

Date and Time 1 August 2023 10:34 – 12:30

Grid location ST 35167 05026 (acc 4m) ST 35168 05024 (acc 6m)

2m Terrain Elevation 59.7mAOD → Gravel elevation 58.7mAOD



Core C09

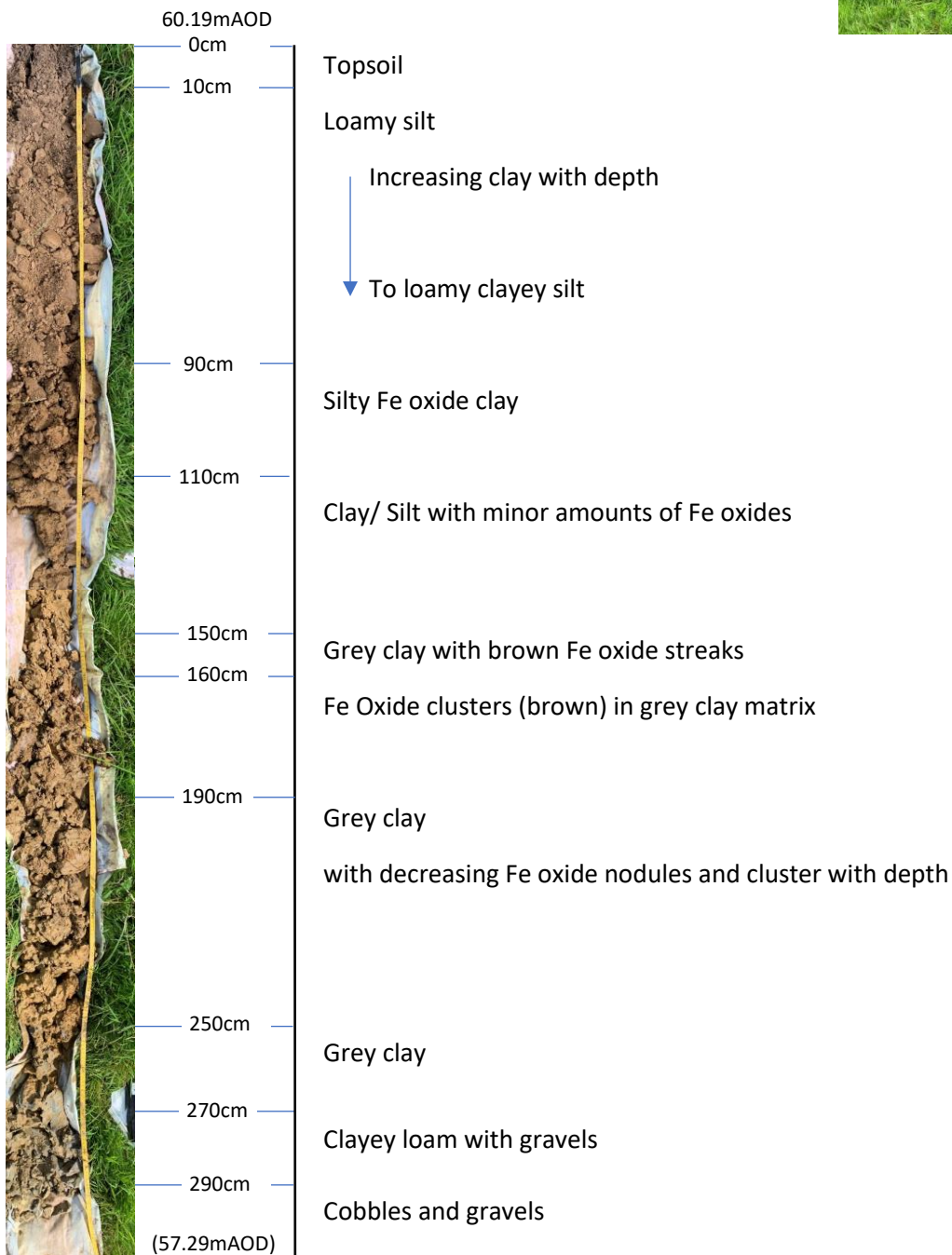
Location 38m N small ox bow, Hodge Ditch to Forde Abbey

Core Type Floodplain, between paleochannel and channel

Date and Time 1 August 2023 13:08 – 15:10

Grid location ST 35168 04992 (acc 5m) ST 35168 04992 (acc 6m)

2m Terrain Elevation 60.19mAOD → Gravel elevation 57.29mAOD



Core C10

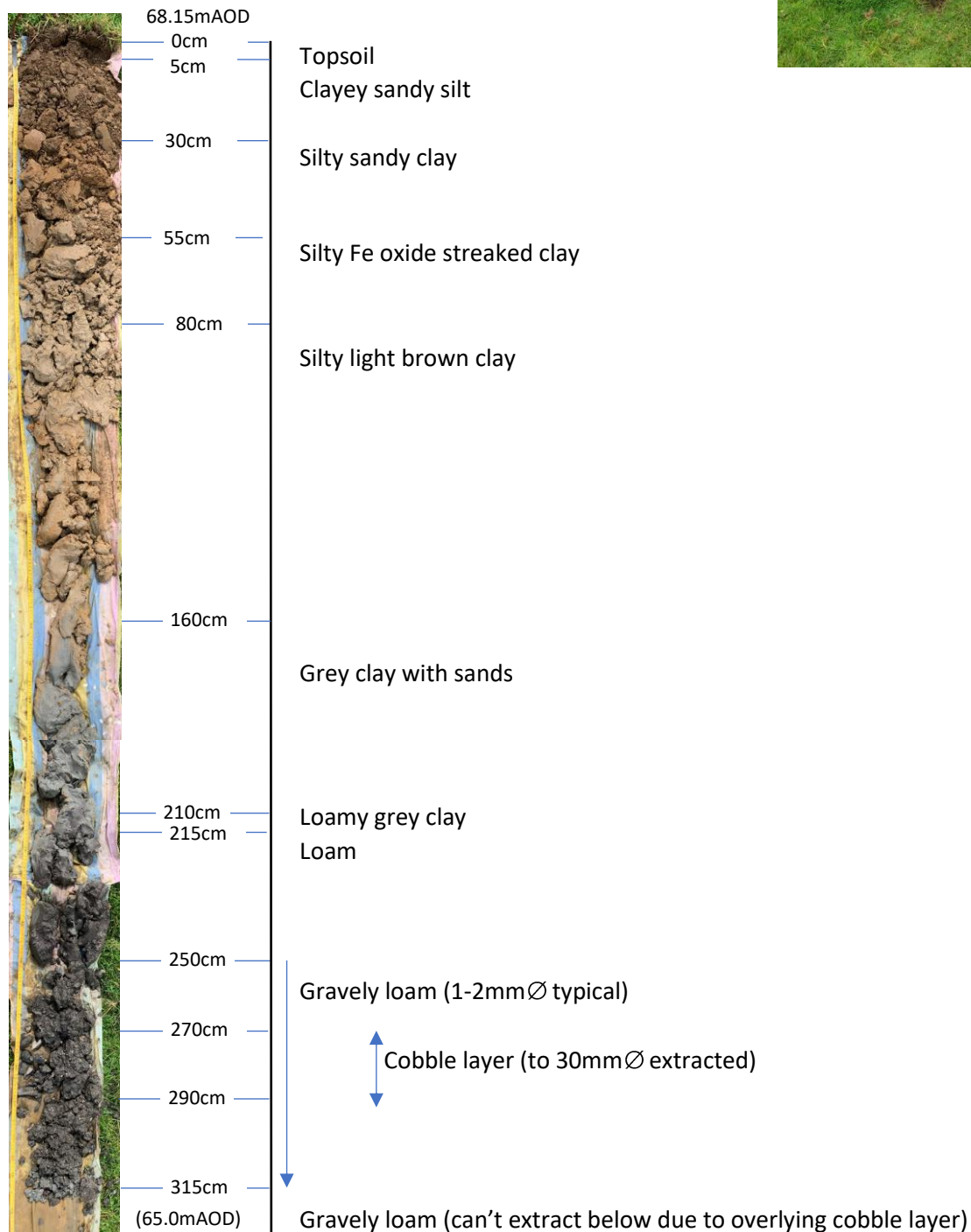
Location D/s Winsham outfall, midway LH valley slope to channel

Core Type Floodplain

Date and Time 2 August 2023 13:02 – 16:00

Grid location ST 37506 05931 (acc 5m) ST 37506 05930 (acc 7m)

2m Terrain Elevation 68.15mAOD → Gravel elevation 65.0mAOD



Core C11

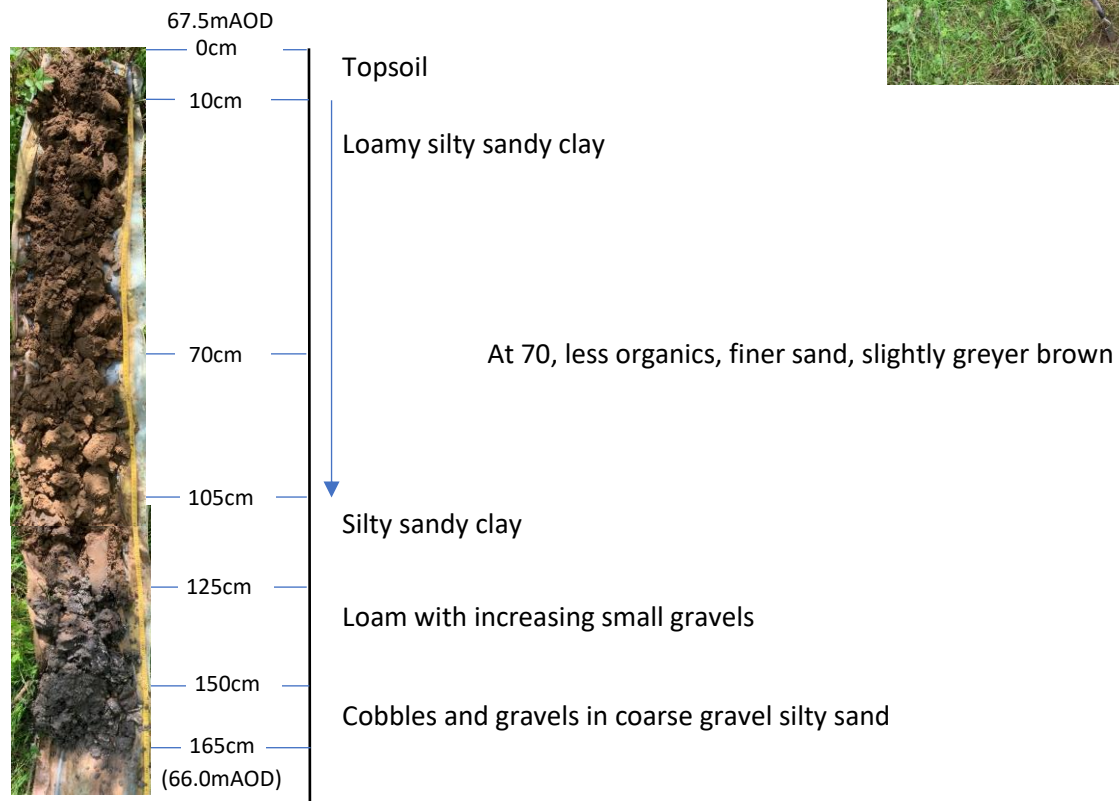
Location D/s Winsham outfall, Paleo-meander under willows

Core Type Paleochannel

Date and Time 2 August 2023 16:36 – 17:63

Grid location ST 37472 05957 (acc 6m) ST 37471 05959 (acc 7m)

2m Terrain Elevation 67.5mAOD → Gravel elevation 66.0mAOD



Core C12

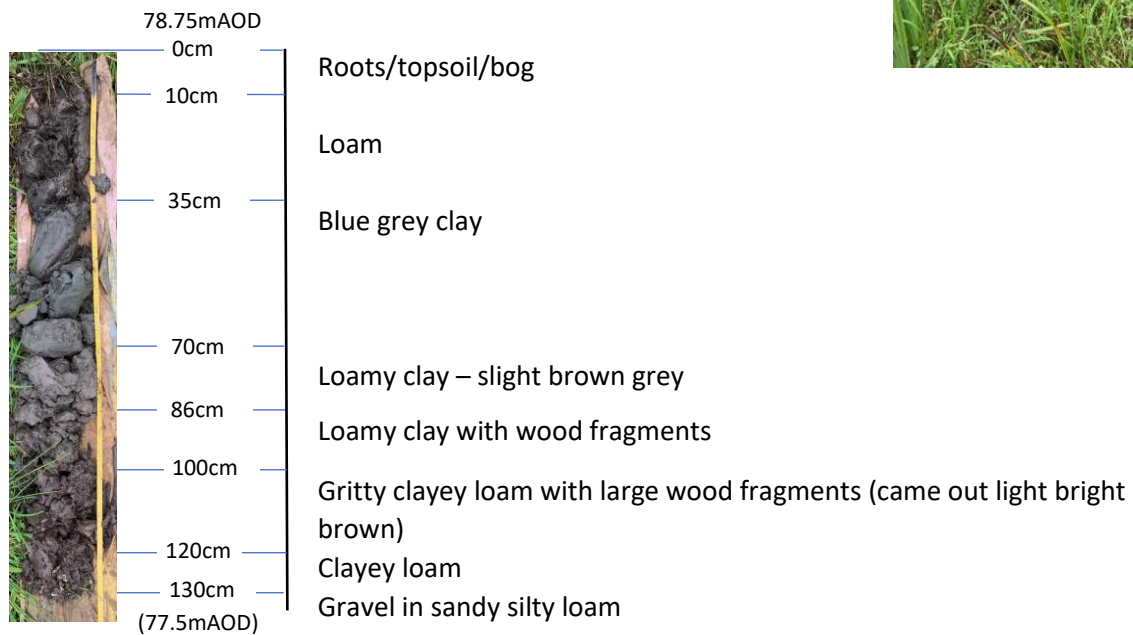
Location Synderford, Shedrick Mill wetland oxbow flush

Core Type Paleochannel

Date and Time 3 August 2023 10:18 – 11:06

Grid location ST 37705 04721 (acc 4m) ST 37702 04719 (acc 6m)

2m Terrain Elevation 78.75mAOD → Gravel elevation 77.5mAOD



Core C13

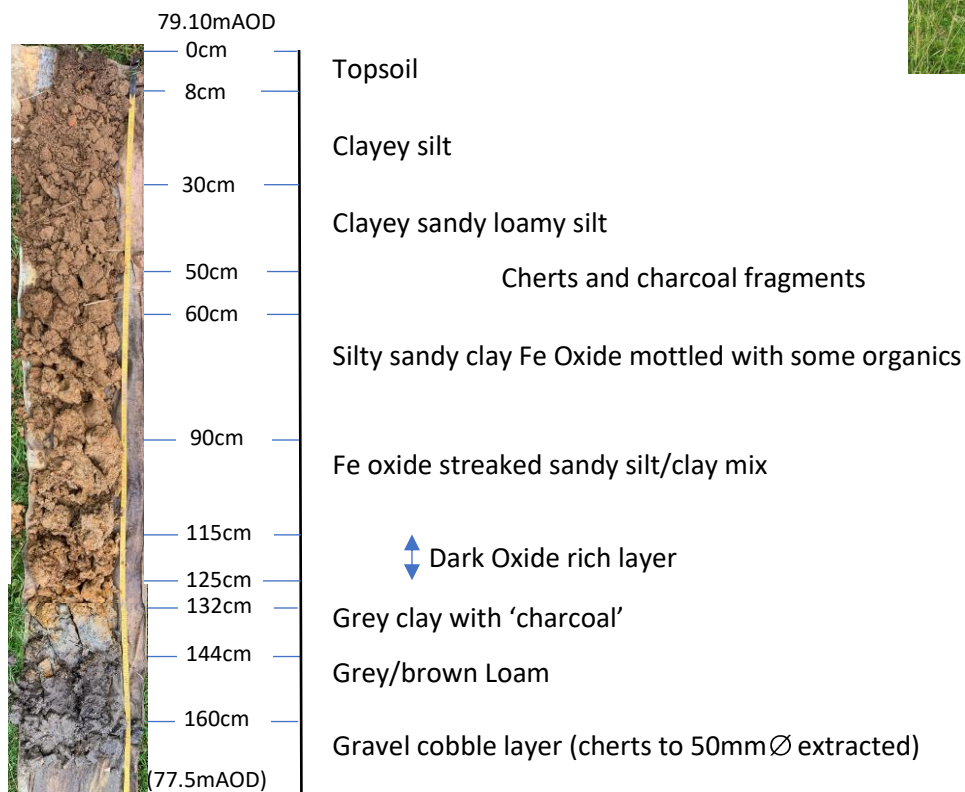
Location Synderford, Shedrick Mill btwn channel & wetland oxbow

Core Type Floodplain

Date and Time 3 August 2023 11:35 – 12:43

Grid location ST 37725 04721 (acc 5m) ST 37724 04723 (acc 7m)

2m Terrain Elevation 79.10mAOD → Gravel elevation 77.5mAOD



NB Gravel layer in riverbank 1.2m below floodplain.

Floodplain at channel 78.7mAOD, gravel cobble layer 77.5mAOD.

Core C14

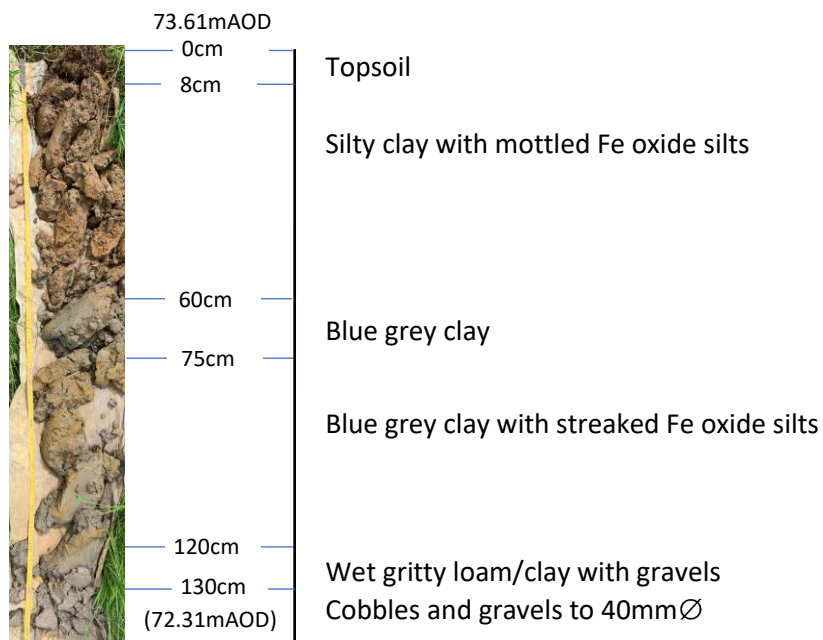
Location 2nd old meander LHS d/s Shedrick Bridge

Core Type Paleochannel

Date and Time 3 August 2023 14:09 – 14:53

Grid location ST 37757 05283 (acc 4m) ST 37757 05282 (acc 6m)

2m Terrain Elevation 73.61mAOD → Gravel elevation 72.31mAOD



Core C15

Location 2nd old meander LHS d/s Shedrick Bridge, centre of valley

Core Type Floodplain

Date and Time 3 August 2023 15:20 – 16:42

Grid location ST 37777 05286 (acc 4m) ST 37773 05287 (acc 6m)

2m Terrain Elevation 73.75mAOD → Gravel elevation 72.35mAOD



Core C16

Location Clapton, opposite Greenacres, Wayford Lane

Core Type Paleochannel

Date and Time 4 August 2023 10:00 – 11:05

Grid location ST 41206 06334 (acc 4m) ST 41207 06335 (acc 6m)

2m Terrain Elevation 81.79mAOD → Gravel elevation 80.14mAOD
(NB floodplain measured as 106cm above paleochannel bed,
Terrain Elevation suggests this is 82.85m.)



Core C17

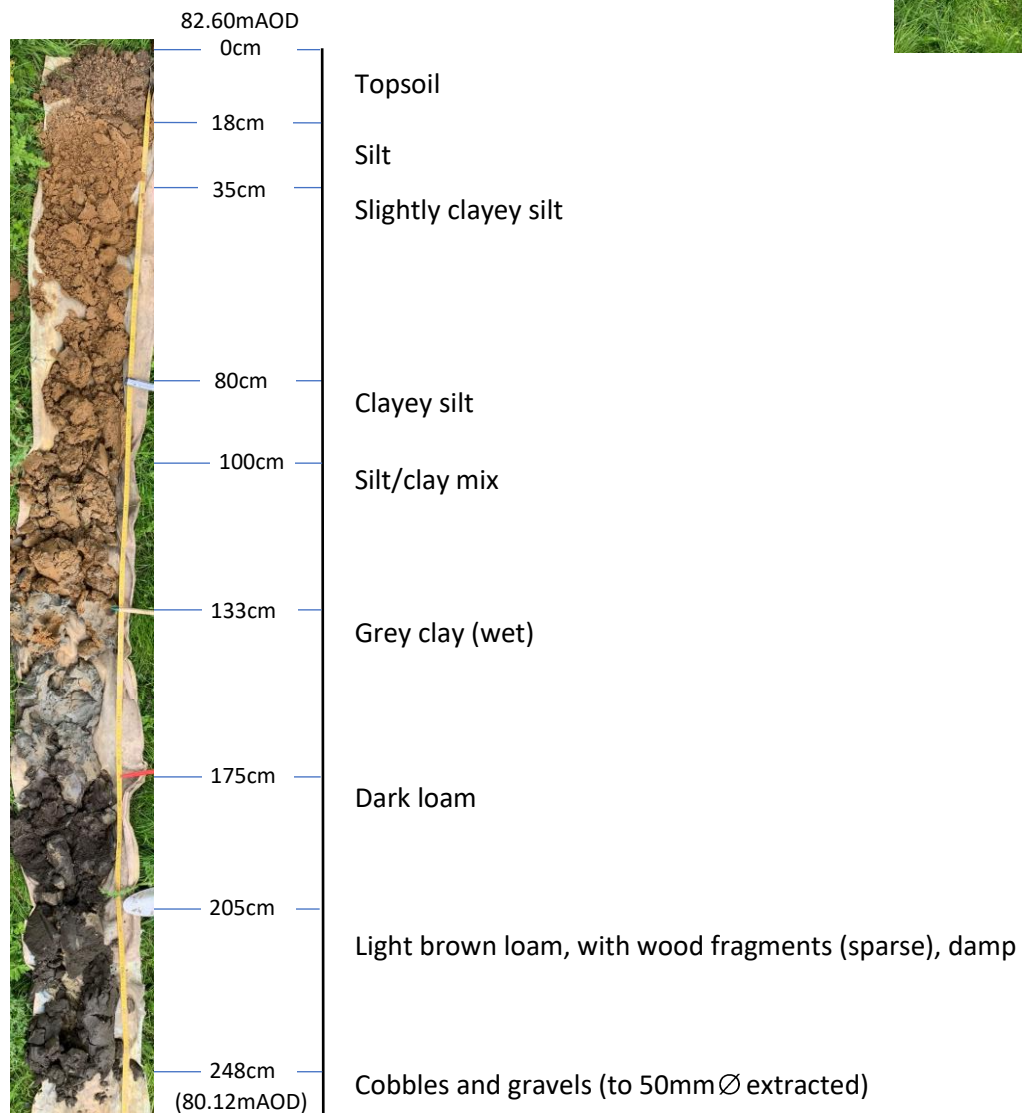
Location Clapton, opposite Greenacres, Wayford Lane

Core Type Floodplain

Date and Time 4 August 2023 12:10 – 12:48

Grid location ST 41206 06351 (acc 4m) ST 41207 06353 (acc 6m)

2m Terrain Elevation 82.60mAOD → Gravel elevation 80.12mAOD



Core C18

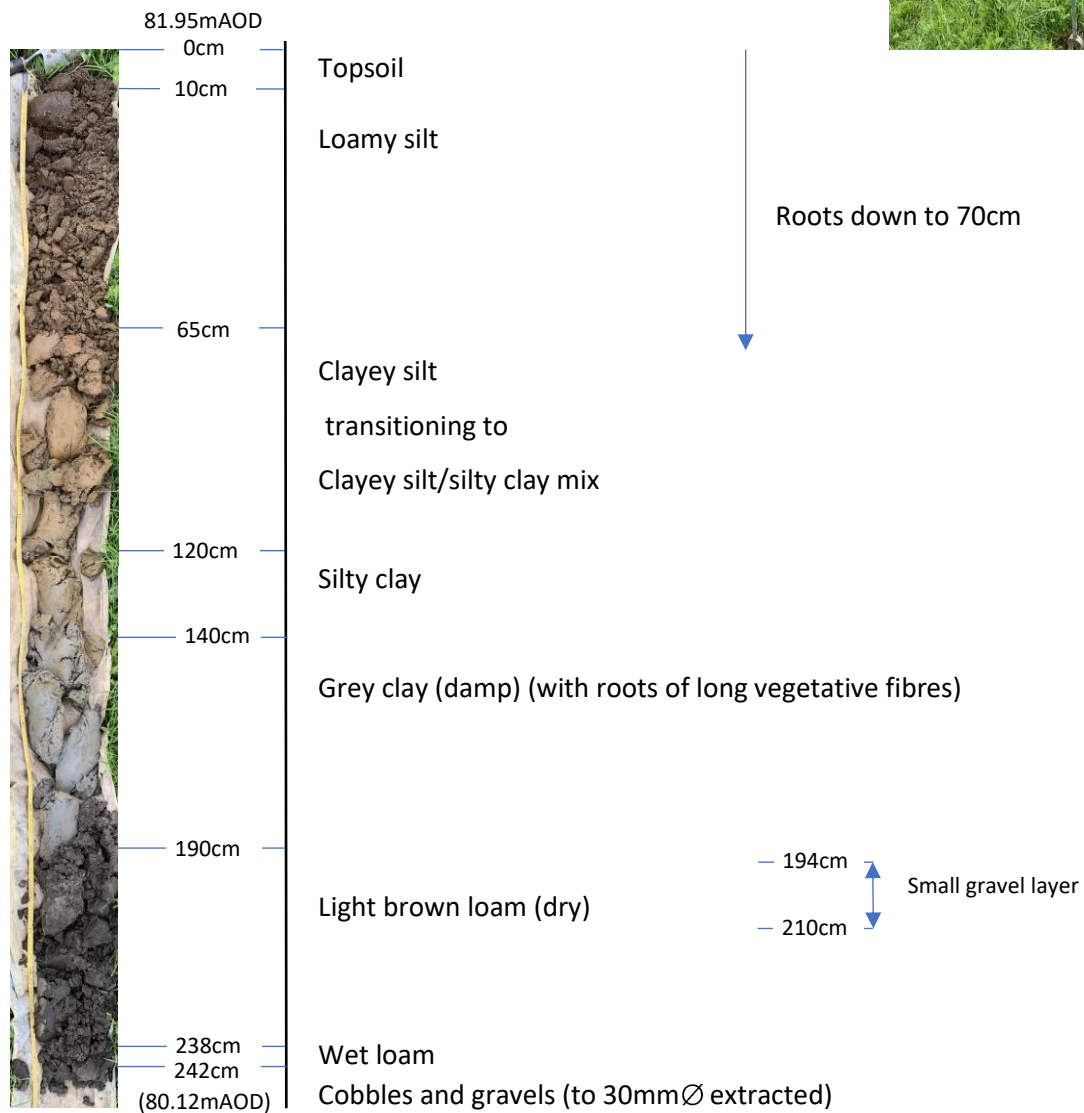
Location Land downstream of Clapton, in line with tight meander

Core Type Floodplain

Date and Time 4 August 2023 14:22 – 16:08

Grid location ST 41007 06405 (acc 4m) ST 41010 06405 (acc 6m)

2m Terrain Elevation 81.95mAOD → Gravel elevation 79.53mAOD



Core C19

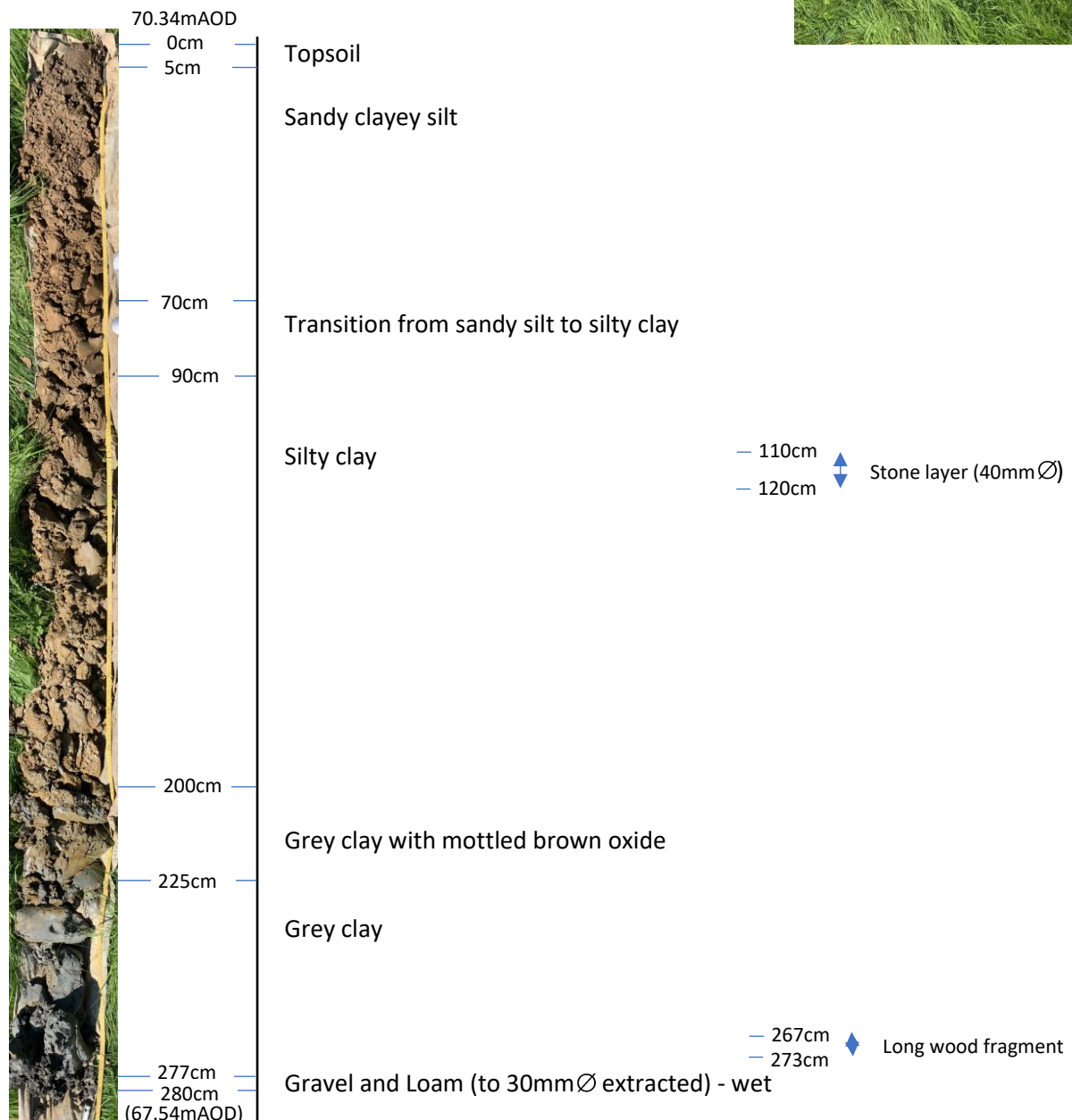
Location Magdalen Farm, 80m upstream rail line, centre of valley

Core Type Floodplain

Date and Time 4 September 2023 12:04 – 14:04

Grid location ST 37976 05771 (acc 4m) ST 37976 05722 (acc 6m)

2m Terrain Elevation 70.34mAOD → Gravel elevation 67.54mAOD



Core C20

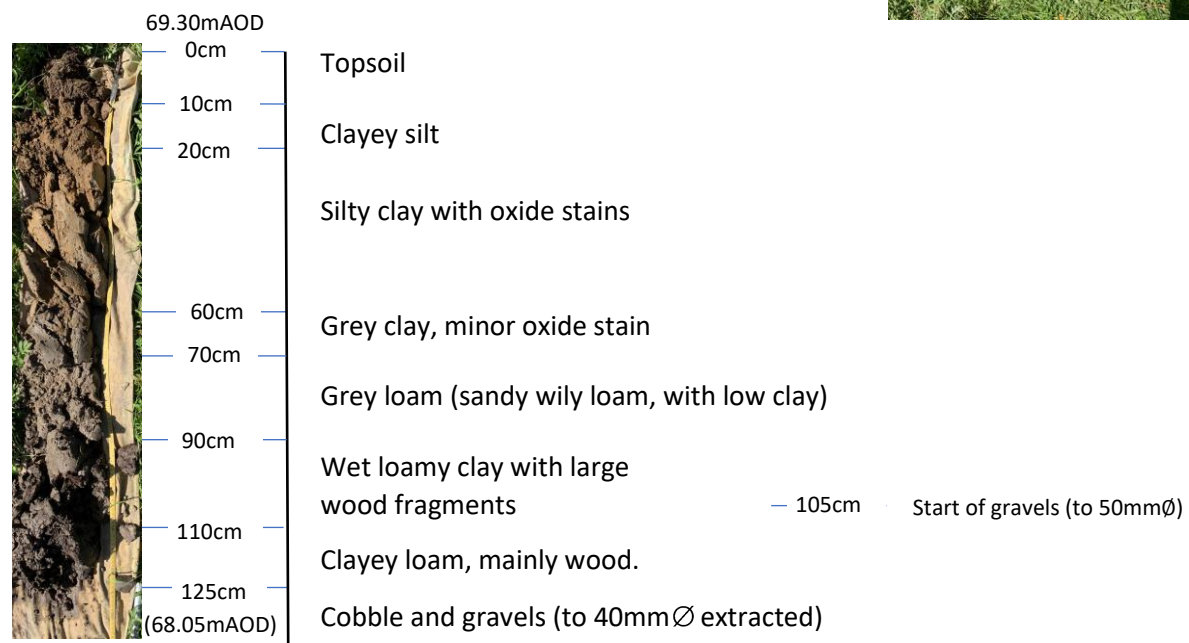
Location Magdalen Farm, 80m upstream rail line, LHS of valley

Core Type Paleochannel

Date and Time 4 September 2023 14:04 – 15:30

Grid location ST 37955 05759 (acc 4m) ST 37955 05759(acc 6m)

2m Terrain Elevation Floodplain (@70.02) 0.72m above base wetland
69.30mAOD → Gravel elevation 68.05mAOD



Core C21

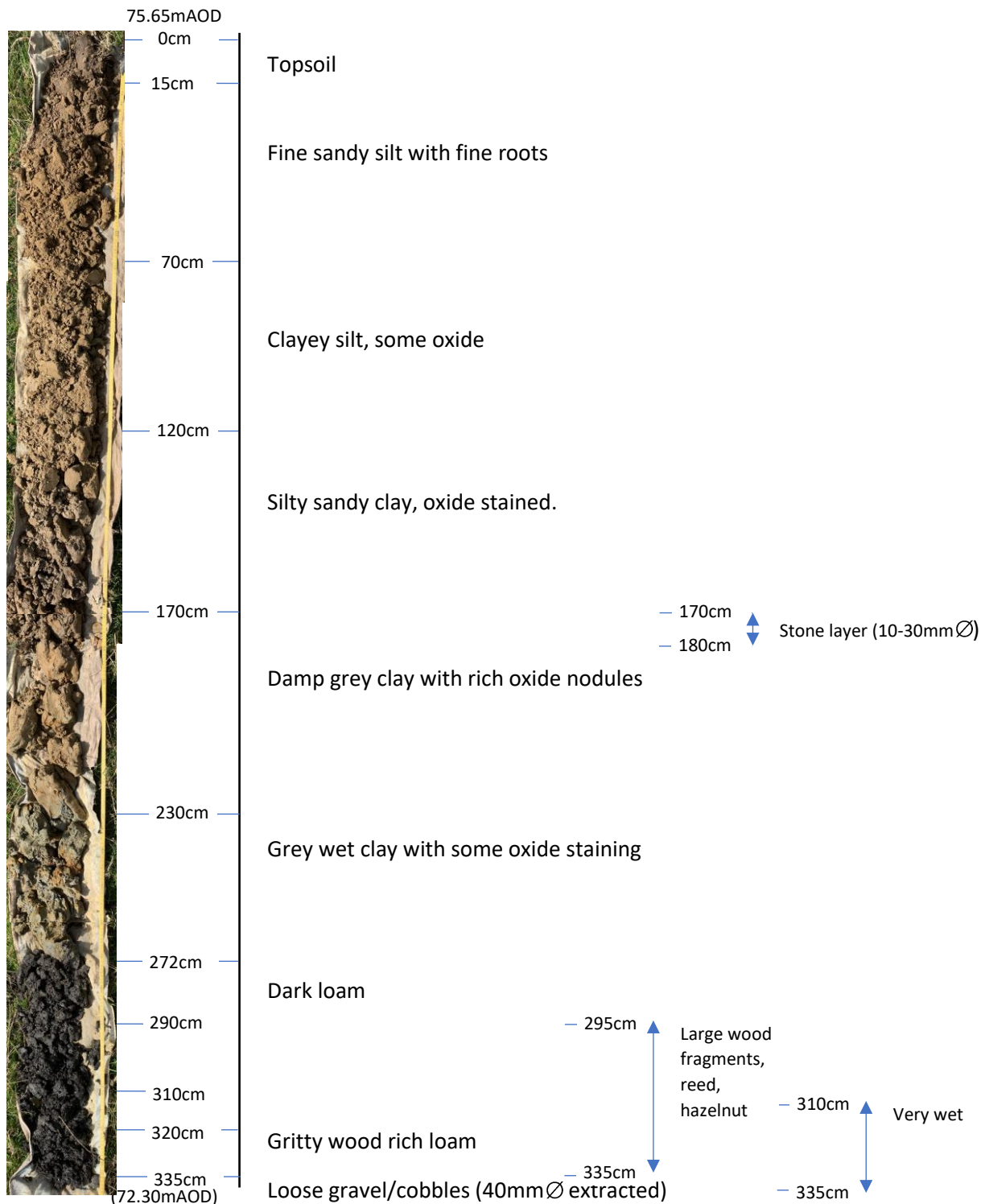
Location Across ford at Bere Chapel Farm, in line with bend apex

Core Type Floodplain

Date and Time 5 September 2023 09:36 – 11:41

Grid location ST 39316 05855 (acc 4m) ST 39316 05856 (acc 6m)

2m Terrain Elevation 75.65mAOD → Gravel elevation 72.30mAOD



Core C22

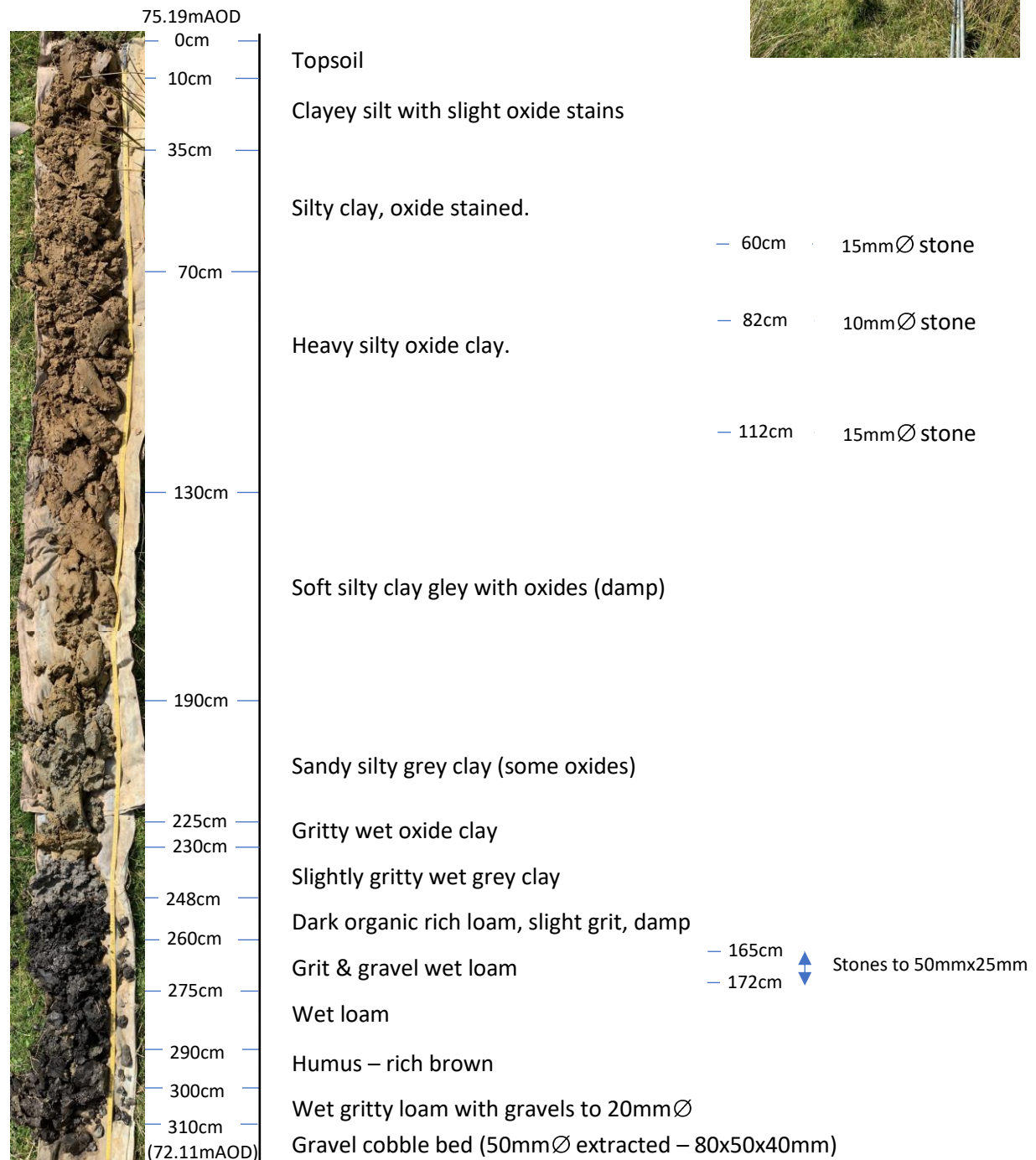
Location Across ford at Bere Chapel Farm, 3rd way to RHS valley toe

Core Type Paleochannel

Date and Time 5 September 2023 12:41 – 14:22

Grid location ST 39309 05878 (acc 4m) ST 39309 05875 (acc 6m)

2m Terrain Elevation 75.19mAOD → Gravel elevation 72.11mAOD



Core C23

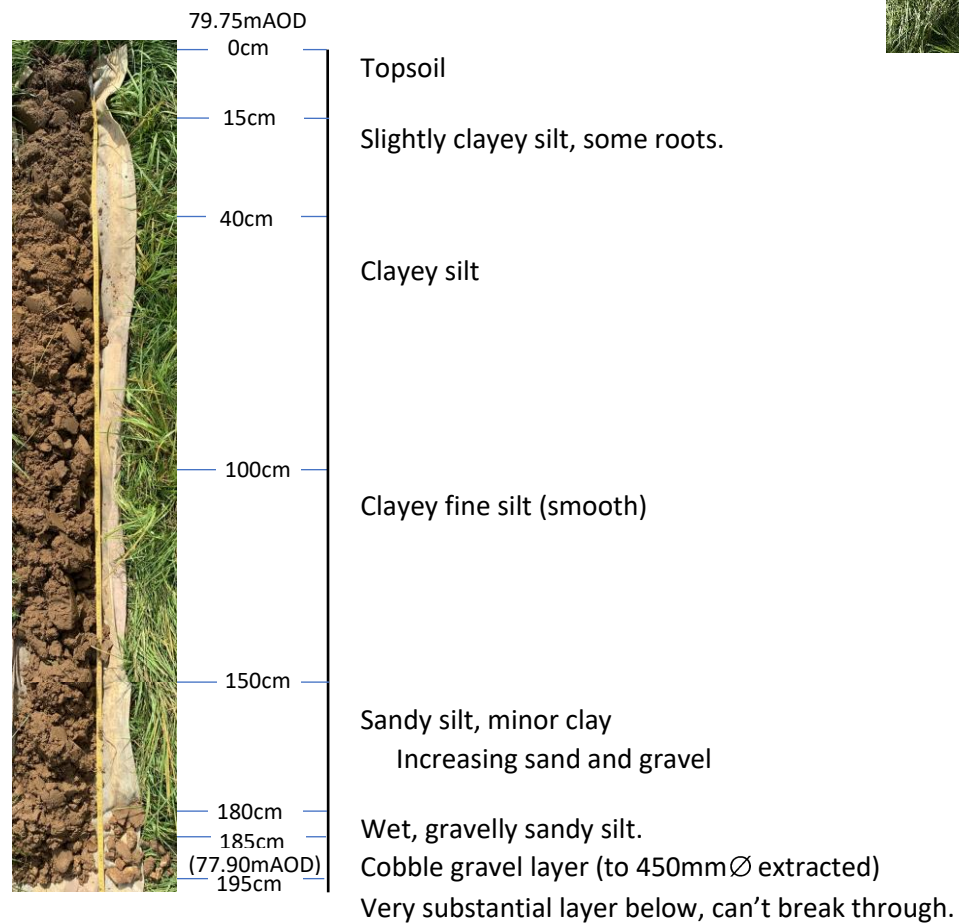
Location Oathill, footpath north of footbridge

Core Type Floodplain

Date and Time 6 September 2023 10:14 – 11:15

Grid location ST 40466 06091 (acc 4m) ST 40466 06092(acc 6m)

2m Terrain Elevation 79.75mAOD → Gravel elevation 77.90mAOD



Core C24

Location Oathill, north of footbridge, wetland at valley slope toe

Core Type Paleochannel

Date and Time 6 September 2023 11:27 – 12:20

Grid location ST 40455 06120 (acc 4m) ST 40455 06121(acc 6m)

2m Terrain Elevation water level~80cm below nearby floodplain
Floodplain 79.42, Water level 78.62mAOD
→Gravel elevation 75.32mAOD



78.62mAOD

7cm

Clayey silt/loam

25cm

Silty clay with oxide stain.

75cm

Grey clay

145cm

Grey brown loam

265cm

Wet gritty charcoal loam, reed fragments

280cm

'drier' clayey loam

305cm

Wet loam with wood fragments

330cm

Gravel cobble layer to 25mmØ extracted.

(75.32mAOD)



Core C25

Location Oathill, LHS floodplain, in line with channel and oak

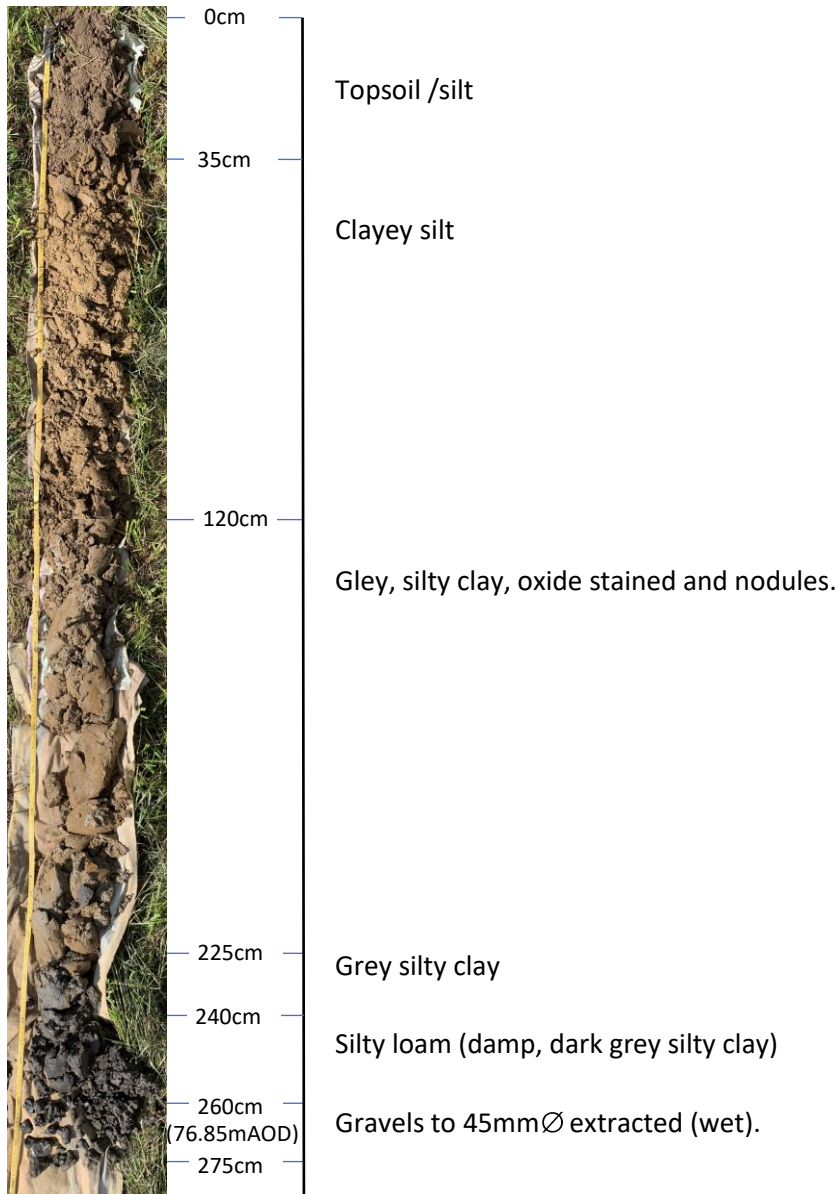
Core Type Floodplain

Date and Time 6 September 2023 13:44 – 14:50

Grid location ST 40422 06031 (acc 4m) ST 40419 06031(acc 6m)

2m Terrain Elevation 79.45 → Gravel elevation 76.85m AOD

79.45m AOD



Core C26

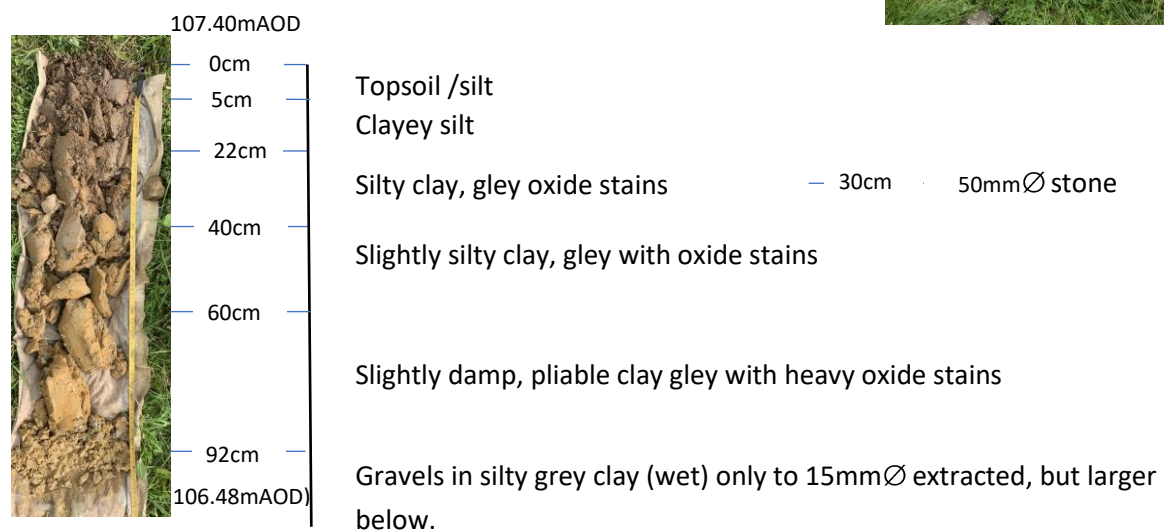
Location Synderford, opp Wetwood Cop, S.field, RHS 2nd old bend

Core Type Paleochannel

Date and Time 7 September 2023 10:01 – 11:00

Grid location ST 38560 02562 (acc 4m) ST 38557 02565(acc 6m)

2m Terrain Elevation 107.40 → Gravel elevation 106.48mAOD



Core C28

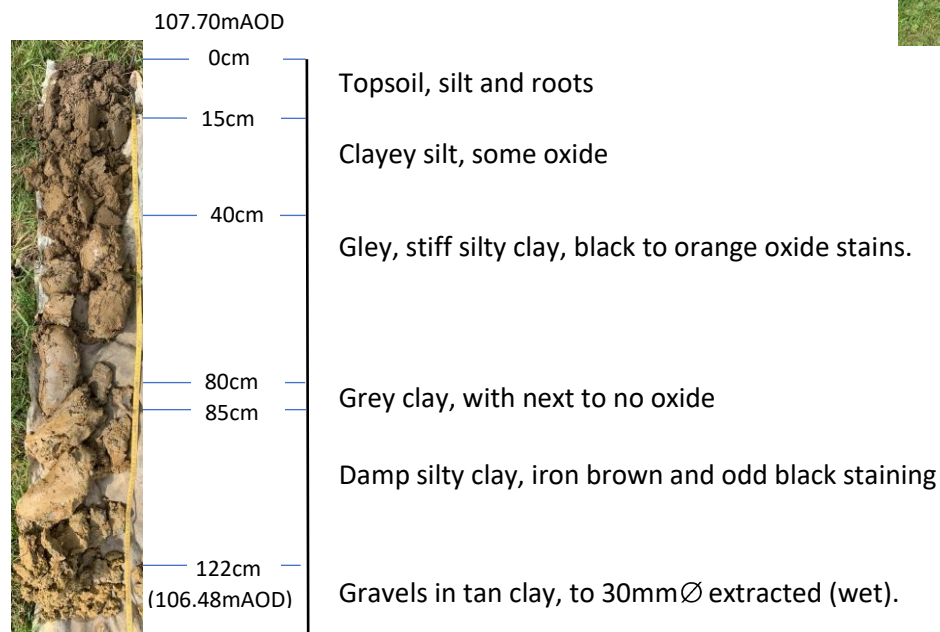
Location Synderford, opp Wetwood Cop, S.field, u/s of 2nd old bend

Core Type Floodplain

Date and Time 7 September 2023 11:25 – 12:30

Grid location ST 83554 02539 (acc 4m) ST 38553 02538(acc 6m)

2m Terrain Elevation 107.70 → Gravel elevation 106.48mAOD



NB Core 27 abandoned, as large cobbles 15-10mm below surface, that appear to be infill material.

Core C29

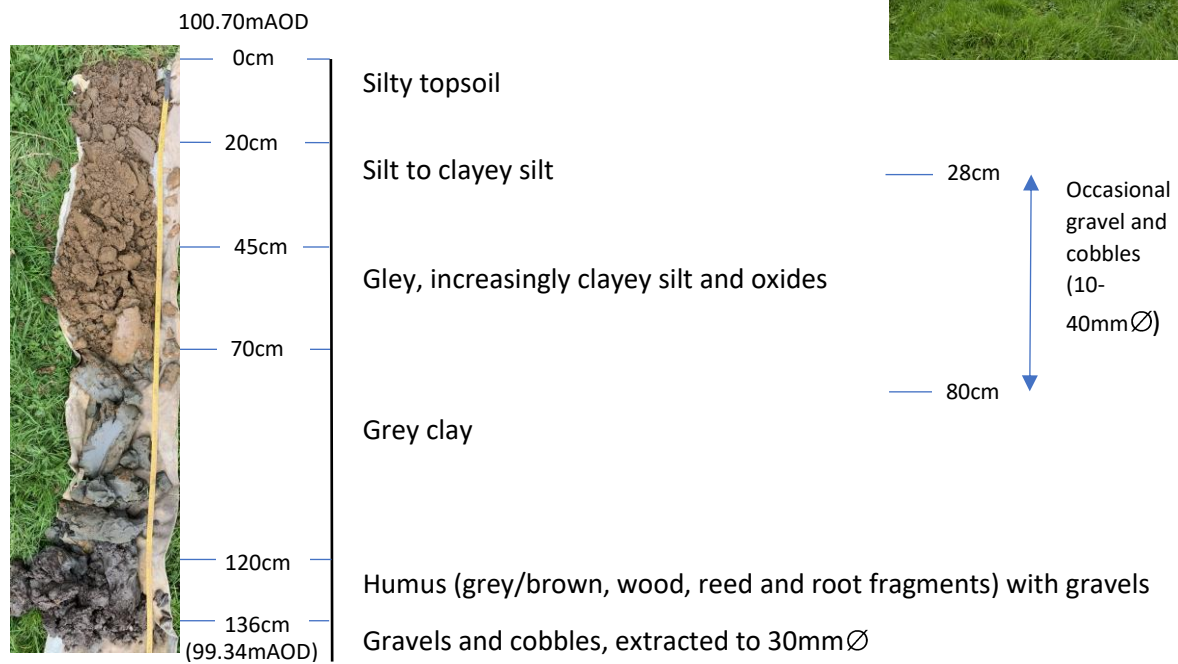
Location Synderford, d/s Lower Causeway Cop, 5m right of river

Core Type Floodplain

Date and Time 7 September 2023 13:37 – 14:37

Grid location ST 38569 03017 (acc 4m) ST 38570 03018(acc 6m)

2m Terrain Elevation 100.70 → Gravel elevation 99.34mAOD



Core C30

Location Synderford, d/s Lower Causeway Cop, 5m from hillslope

Core Type Floodplain

Date and Time 7 September 2023 14:51 – 15:40

Grid location ST 38583 03014 (acc 4m) ST 38581 03014(acc 6m)

2m Terrain Elevation 100.55 → Gravel elevation 99.58m AOD

