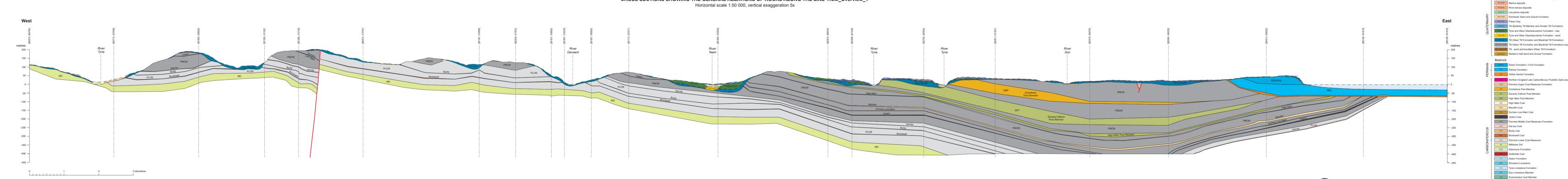
CROSS SECTIONS SHOWING THE GENERAL RELATIONS OF ROCKS ALONG THE LINE 'HCM Overview 1'

Horizontal scale 1:50 000, vertical exaggeration 5x



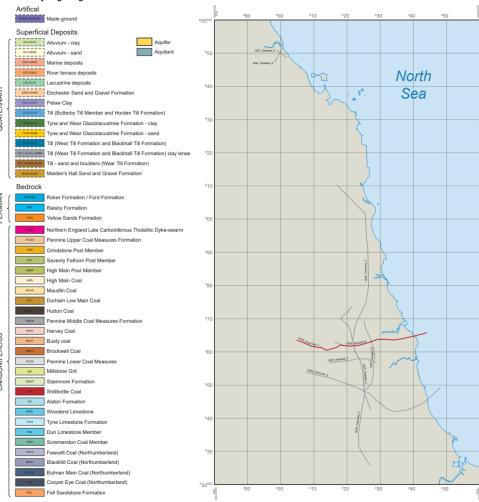


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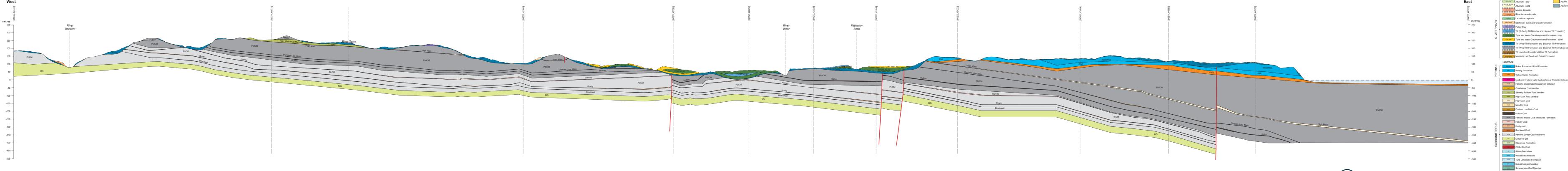


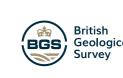
Alluvium - clay

Alluvium - sand

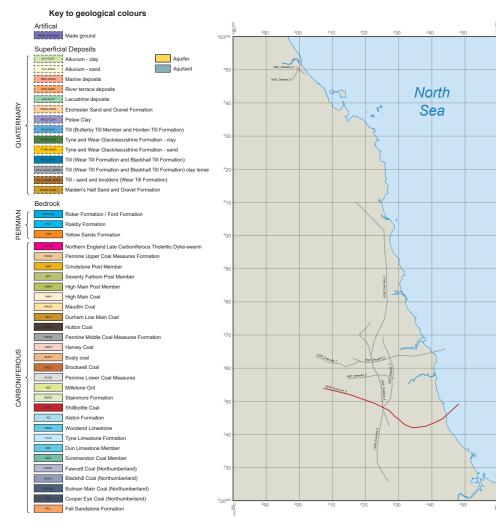


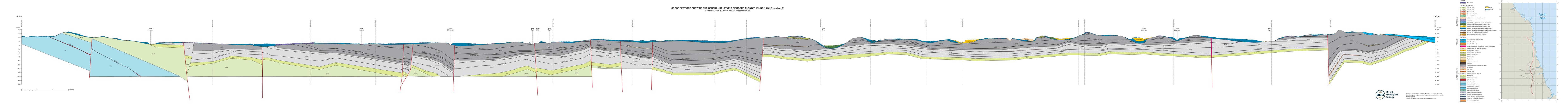
CROSS SECTIONS SHOWING THE GENERAL RELATIONS OF ROCKS ALONG THE LINE 'NGF_Overview_3' Horizontal scale 1:50 000, vertical exaggeration 5x



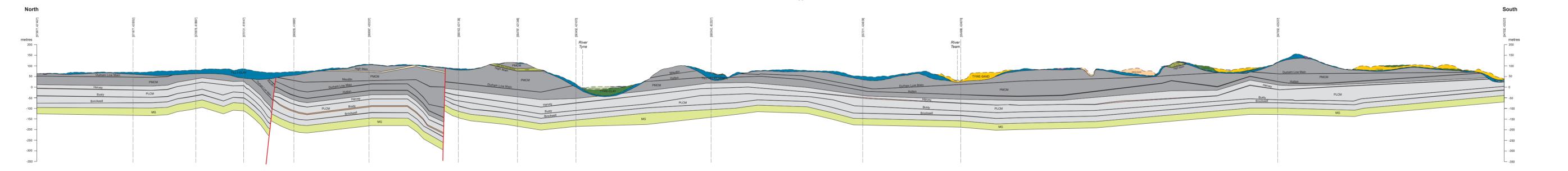


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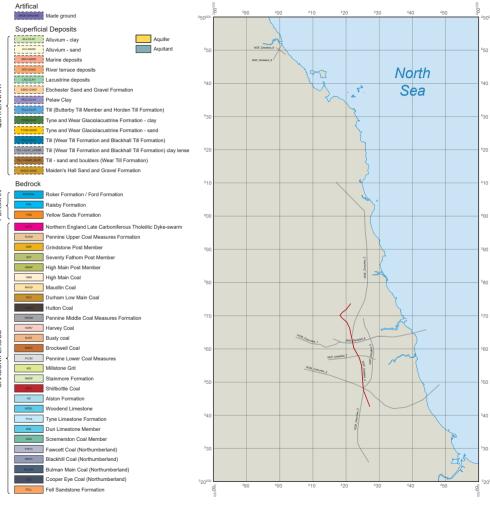
CROSS SECTIONS SHOWING THE GENERAL RELATIONS OF ROCKS ALONG THE LINE 'NGF_Detailed_4' Horizontal scale 1:50 000, vertical exaggeration 5x



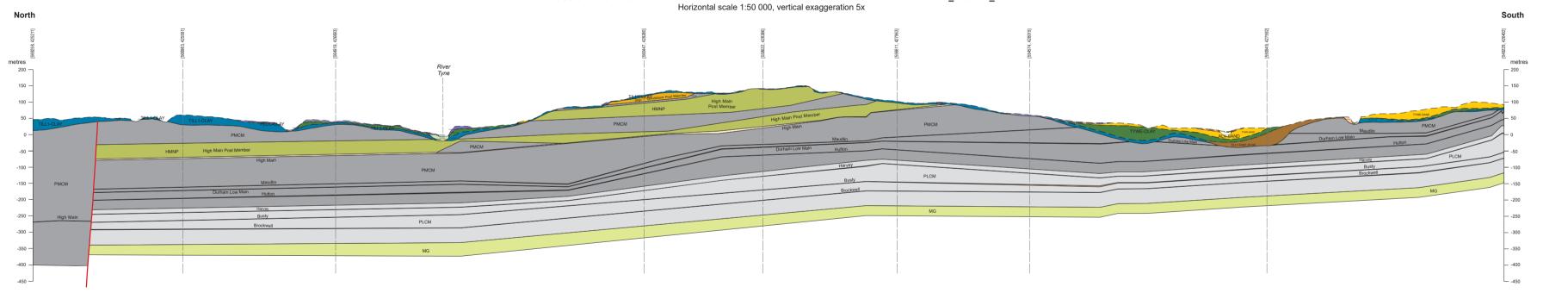


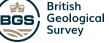
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Key to geological colours



CROSS SECTIONS SHOWING THE GENERAL RELATIONS OF ROCKS ALONG THE LINE 'NGF_Detailed_4'

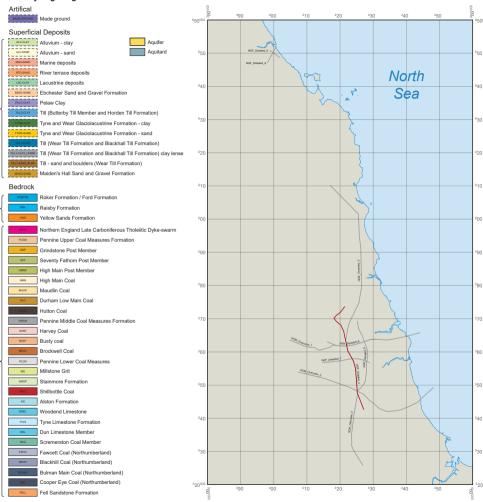




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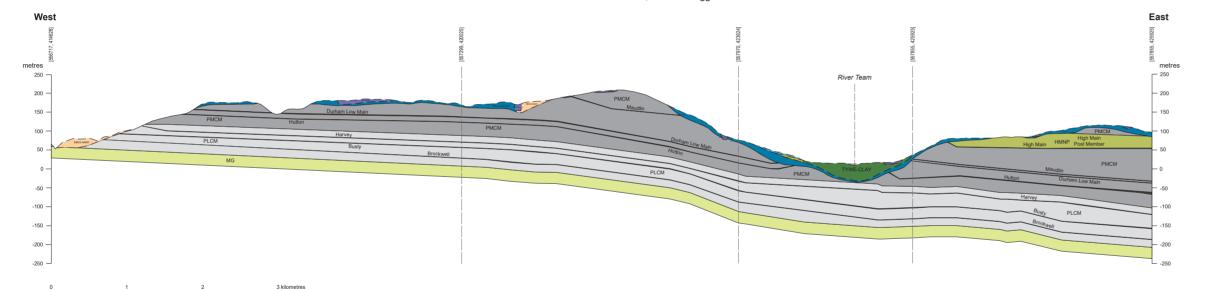
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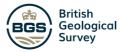




CROSS SECTIONS SHOWING THE GENERAL RELATIONS OF ROCKS ALONG THE LINE 'NGF_Detailed_7'

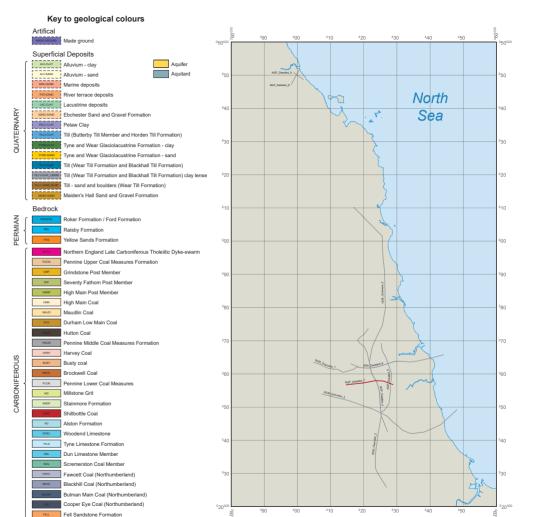
Horizontal scale 1:50 000, vertical exaggeration 5x





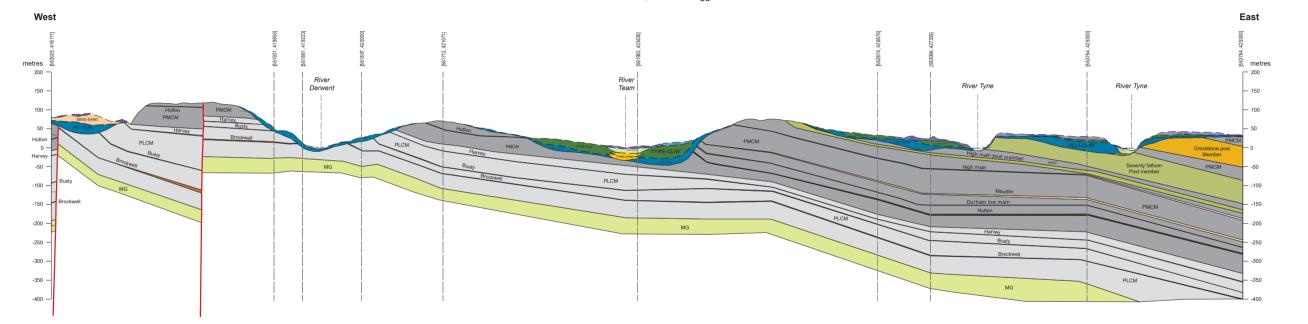
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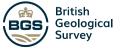
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CROSS SECTIONS SHOWING THE GENERAL RELATIONS OF ROCKS ALONG THE LINE 'NGF Detailed 6'

Horizontal scale 1:50 000, vertical exaggeration 5x

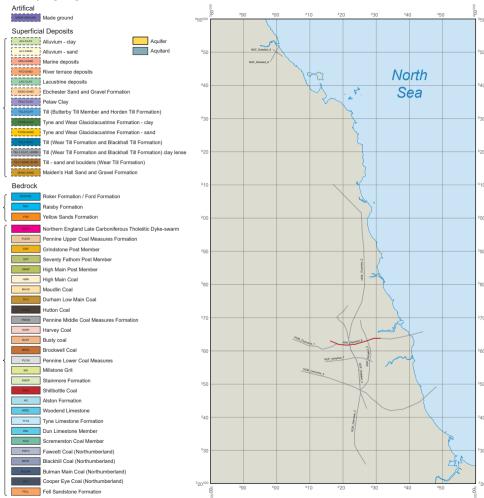




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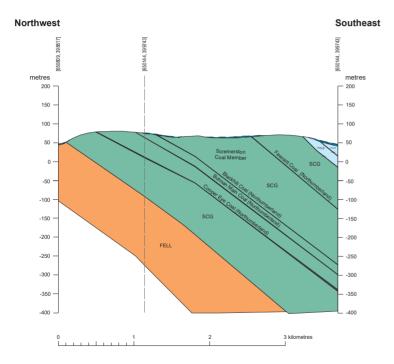
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Key to geological colours



CROSS SECTIONS SHOWING THE GENERAL RELATIONS OF ROCKS ALONG THE LINE 'NGF Detailed 9'

Horizontal scale 1:50 000, vertical exaggeration 5x





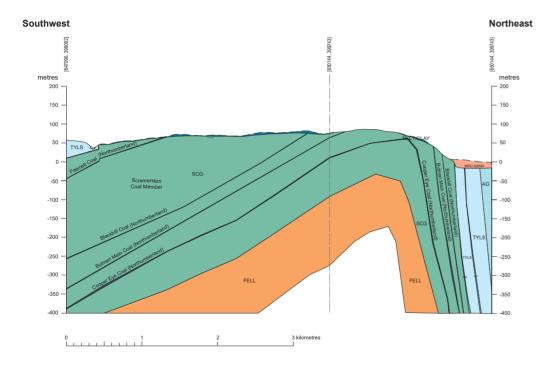
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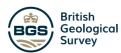
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Key to geological colours Artifical Made ground Superficial Deposits ALV-SUND Alluvium - sand Aquifer Aquitard Marine deposits River terrace deposits North Lacustrine deposits Sea Ebchester Sand and Gravel Formation PELC-CLAY Pelaw Clay Till (Butterby Till Member and Horden Till Formation) Tyne and Wear Glaciolacustrine Formation - clay Type and Wear Glaciolacustrine Formation - sand Till (Wear Till Formation and Blackhall Till Formation) Till (Wear Till Formation and Blackhall Till Formation) clay lense Till - sand and boulders (Wear Till Formation) Maiden's Hall Sand and Gravel Formation Bedrock Roker Formation / Ford Formation Raisby Formation Yellow Sands Formation Northern England Late Carboniferous Tholeiitic Dyke-swarm Pennine Upper Coal Measures Formation Grindstone Post Member Seventy Fathom Post Member High Main Post Member High Main Coal Maudlin Coal Durham Low Main Coal Hutton Coal Pennine Middle Coal Measures Formation Harvey Coal Busty coal Brockwell Coal PLOM Pennine Lower Coal Measures MG Millstone Grit Stainmore Formation Shillbottle Coal Alston Formation Woodend Limestone Tyne Limestone Formation Dun Limestone Member Scremerston Coal Member Fawcett Coal (Northumberland) Blackhill Coal (Northumberland) Bulman Main Coal (Northumberland) Cooper Eve Coal (Northumberland) Fell Sandstone Formation

CROSS SECTIONS SHOWING THE GENERAL RELATIONS OF ROCKS ALONG THE LINE 'NGF_Detailed_8'

Horizontal scale 1:50 000, vertical exaggeration 5x





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