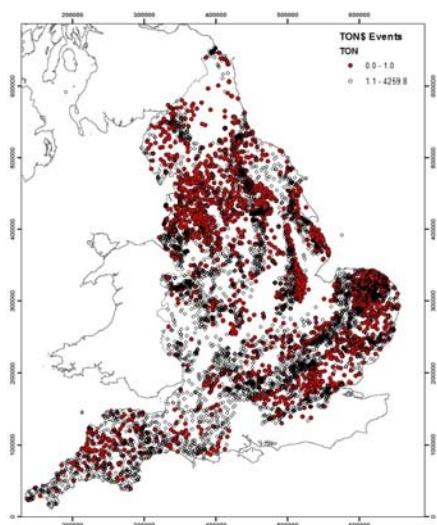


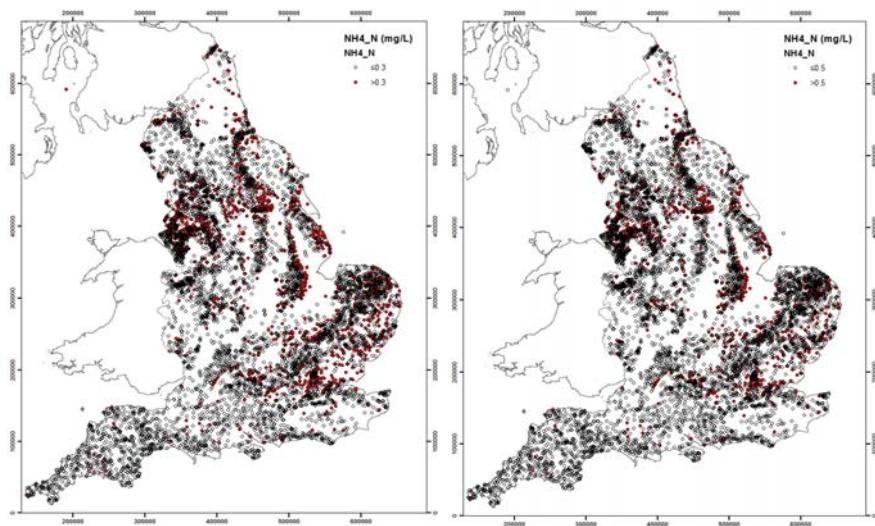
Appendix 1 Defining criteria from monitoring data

A1.1 NITROGEN SPECIES

TON

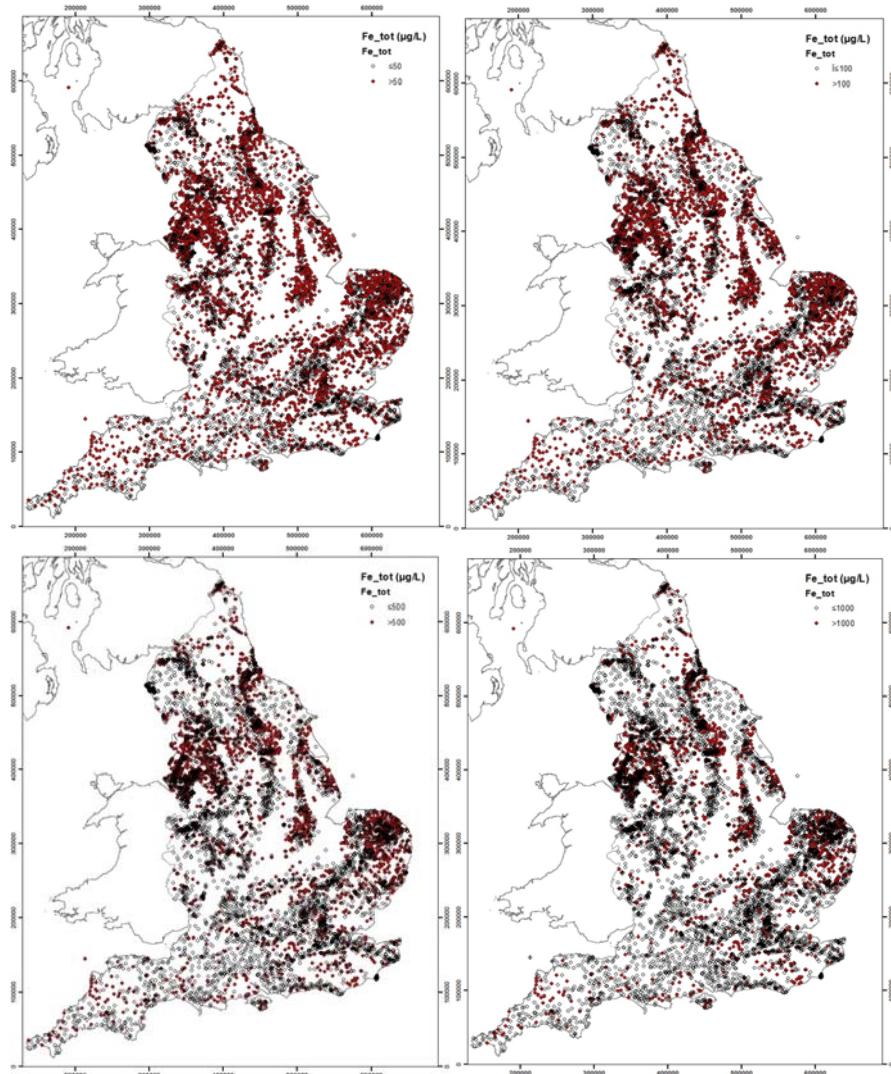


Ammonia

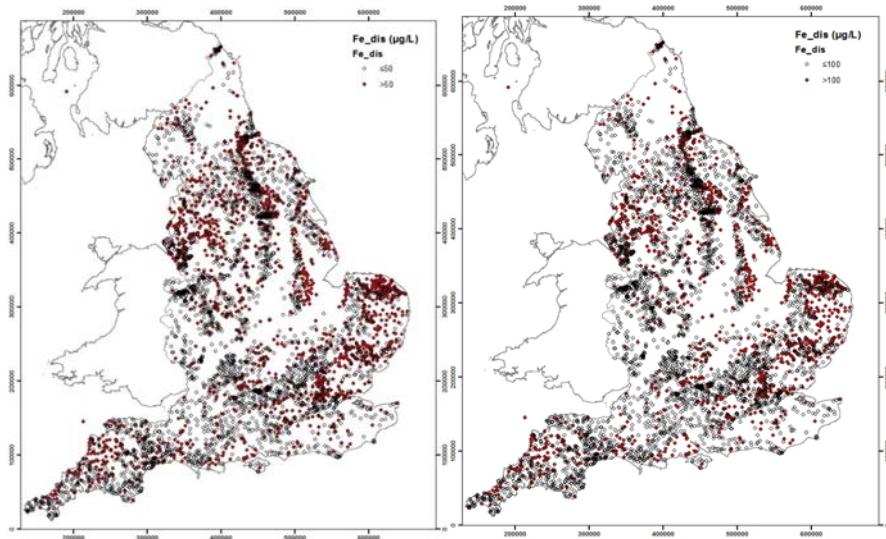


A1.2 TRACE METALS

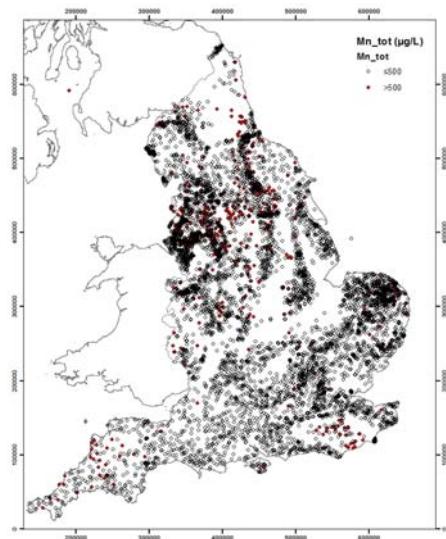
Fe total



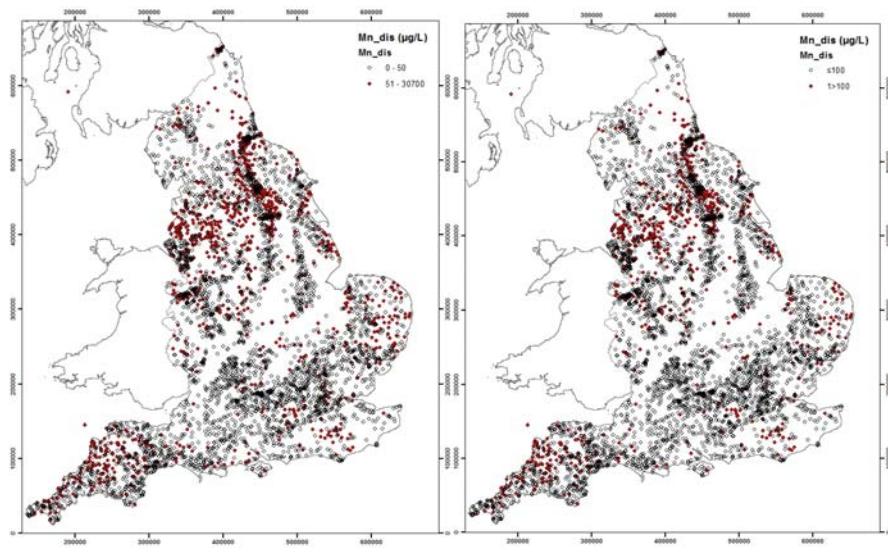
Fe dissolved



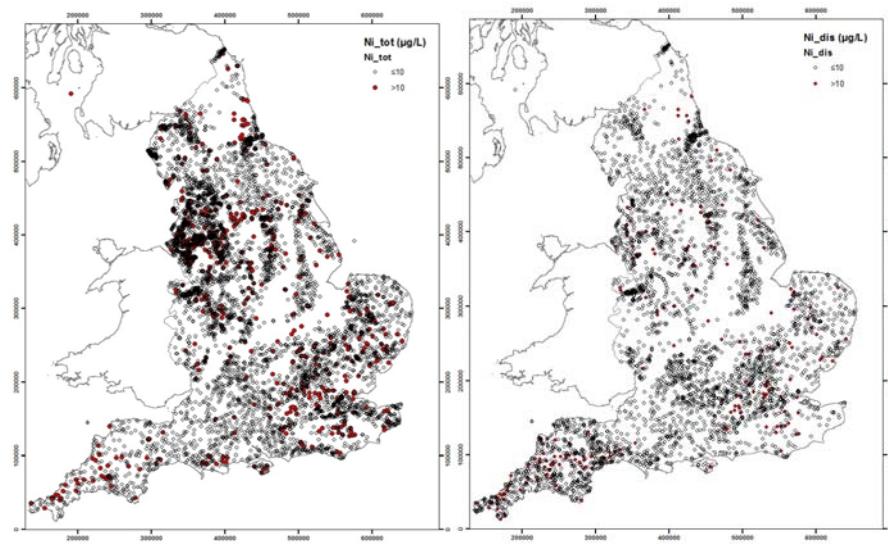
Mn total



Mn dissolved

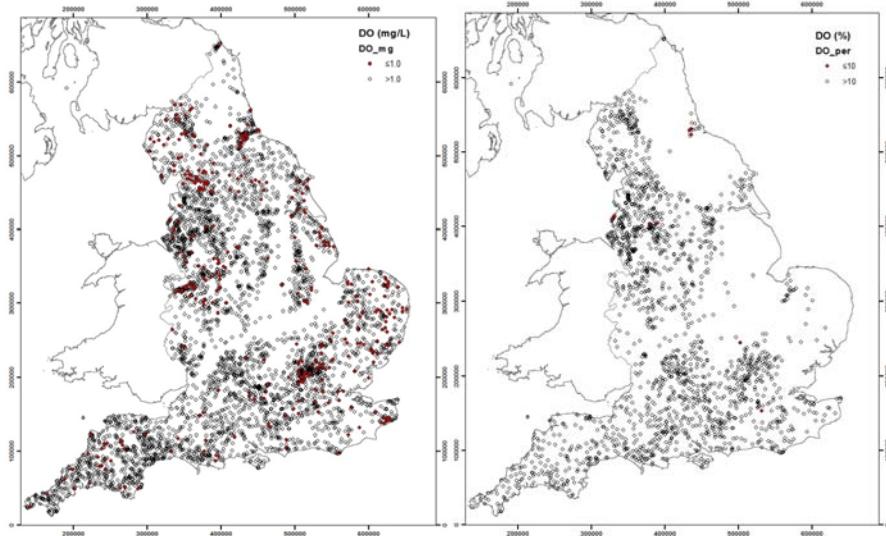


Ni



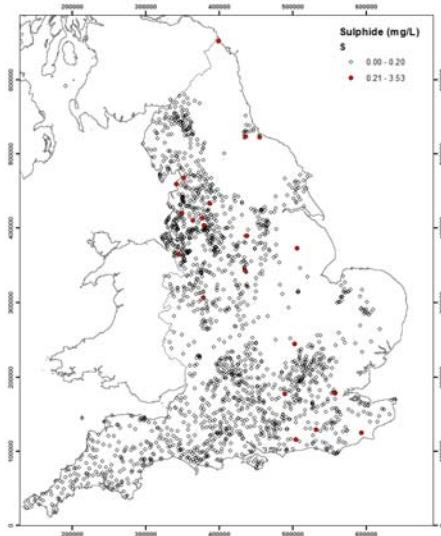
A1.3 OXYGEN AND S-SPECIES

DO



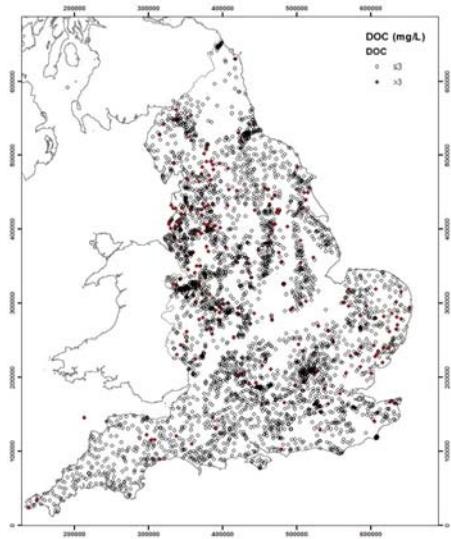
SO4

S

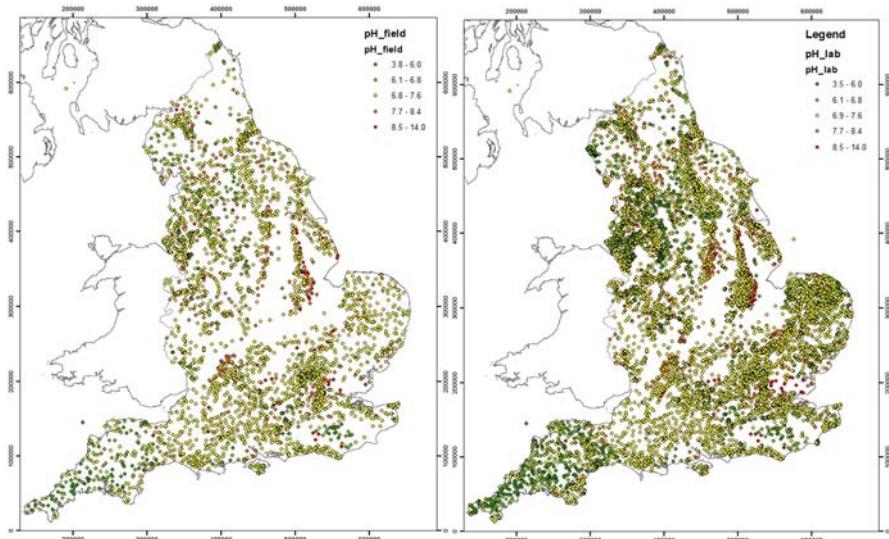


A1.4 DOC AND PH

DOC



pH

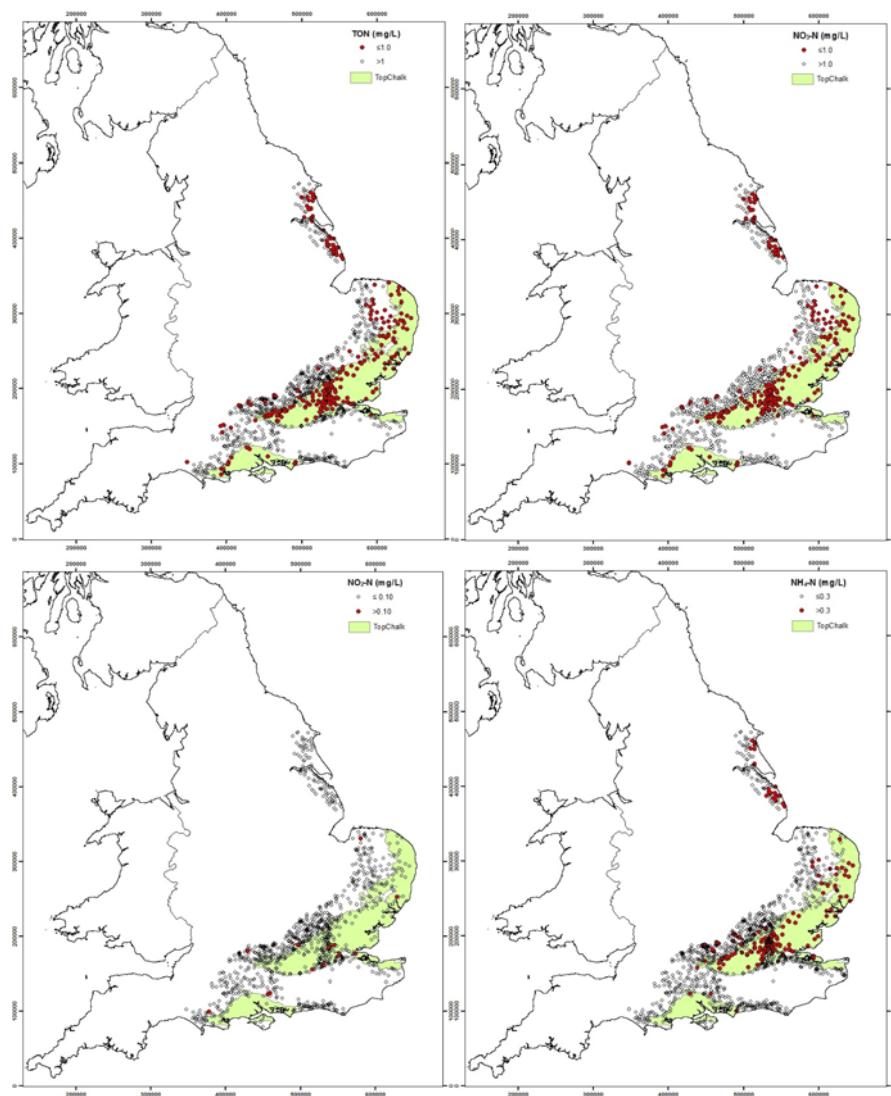


Appendix 2 Maps of indicators plotted on subcrop or low permeability superficials

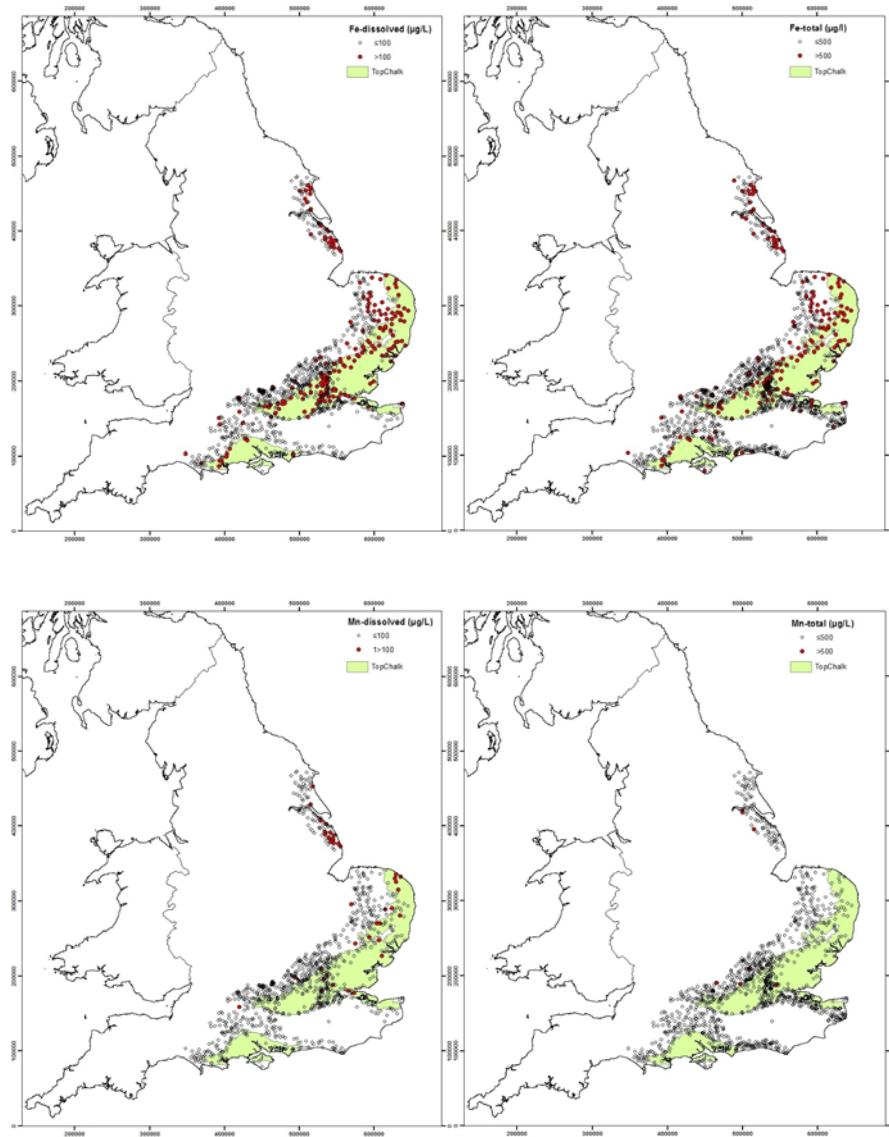
A2.1 AQUIFER SUBCROP

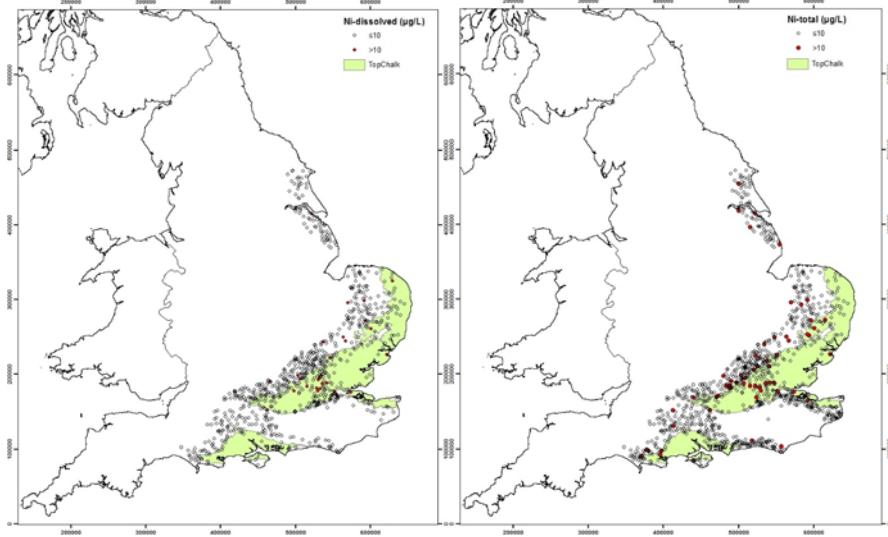
CHALK SUPERGROUP

N-species

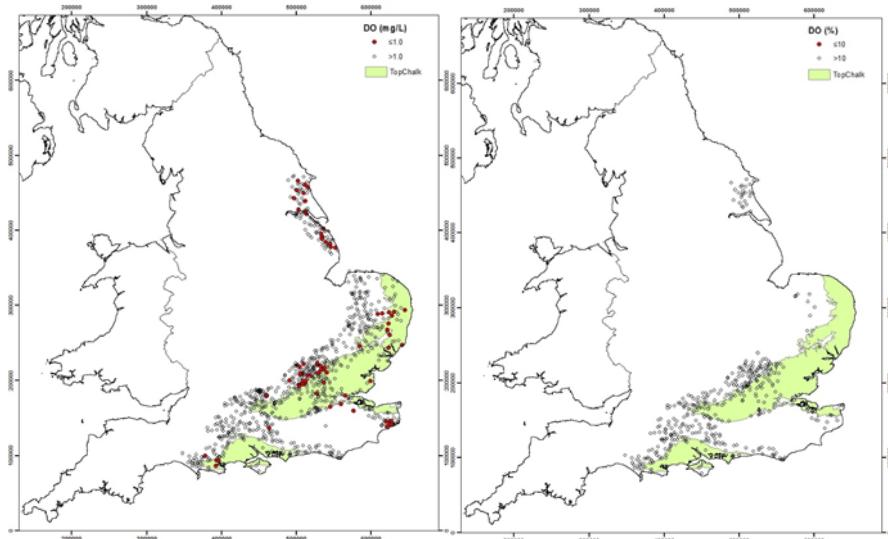


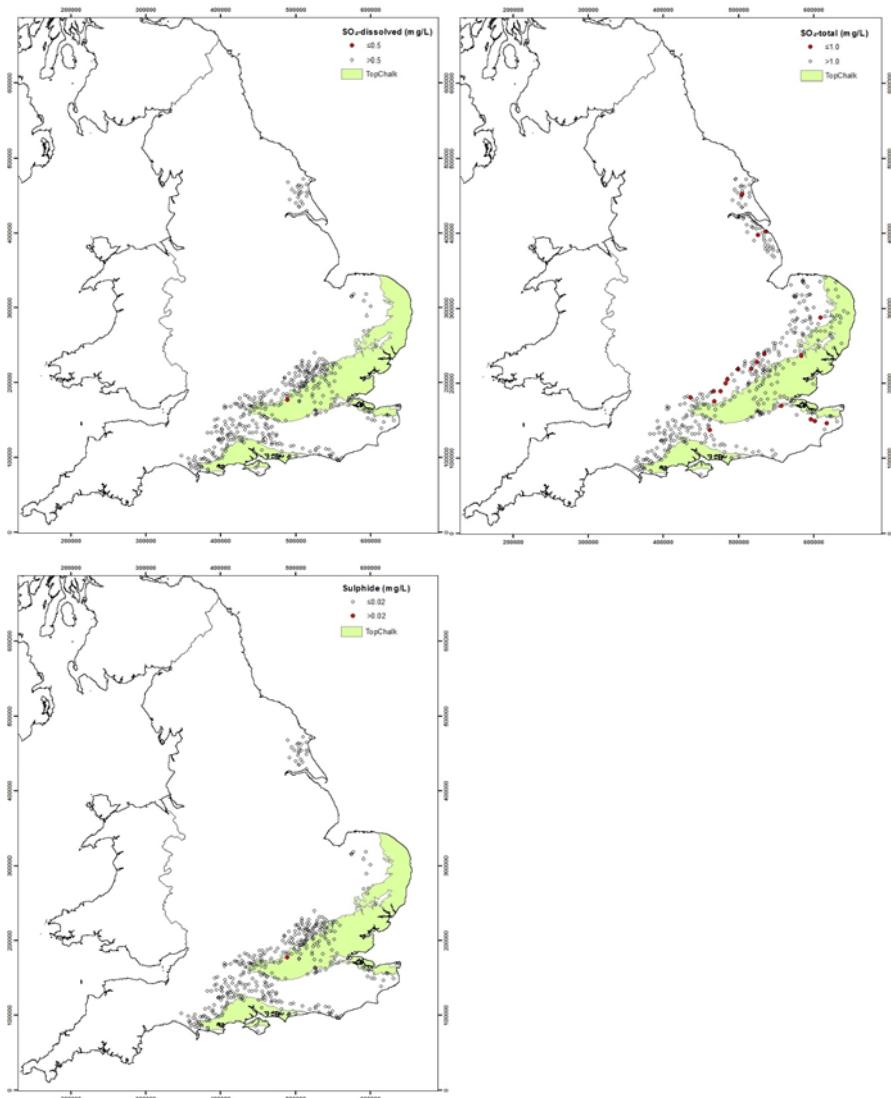
Trace metals



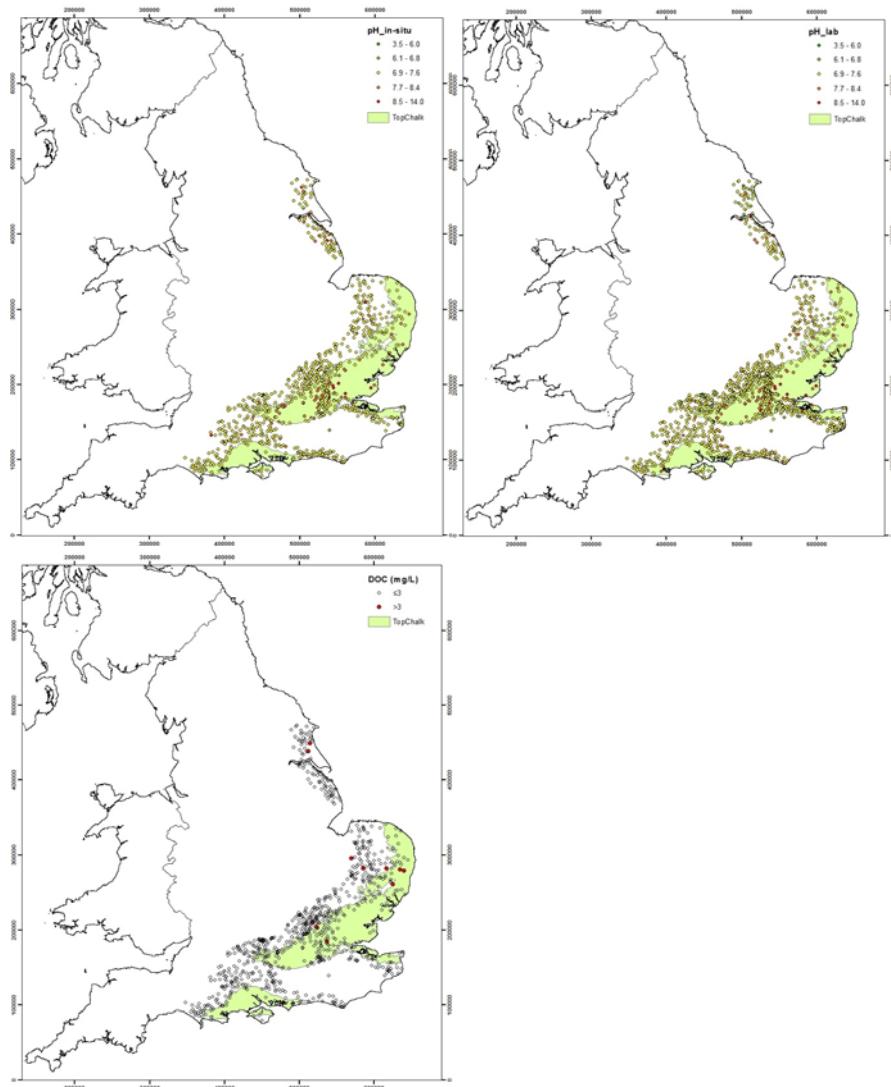


DO and S-species



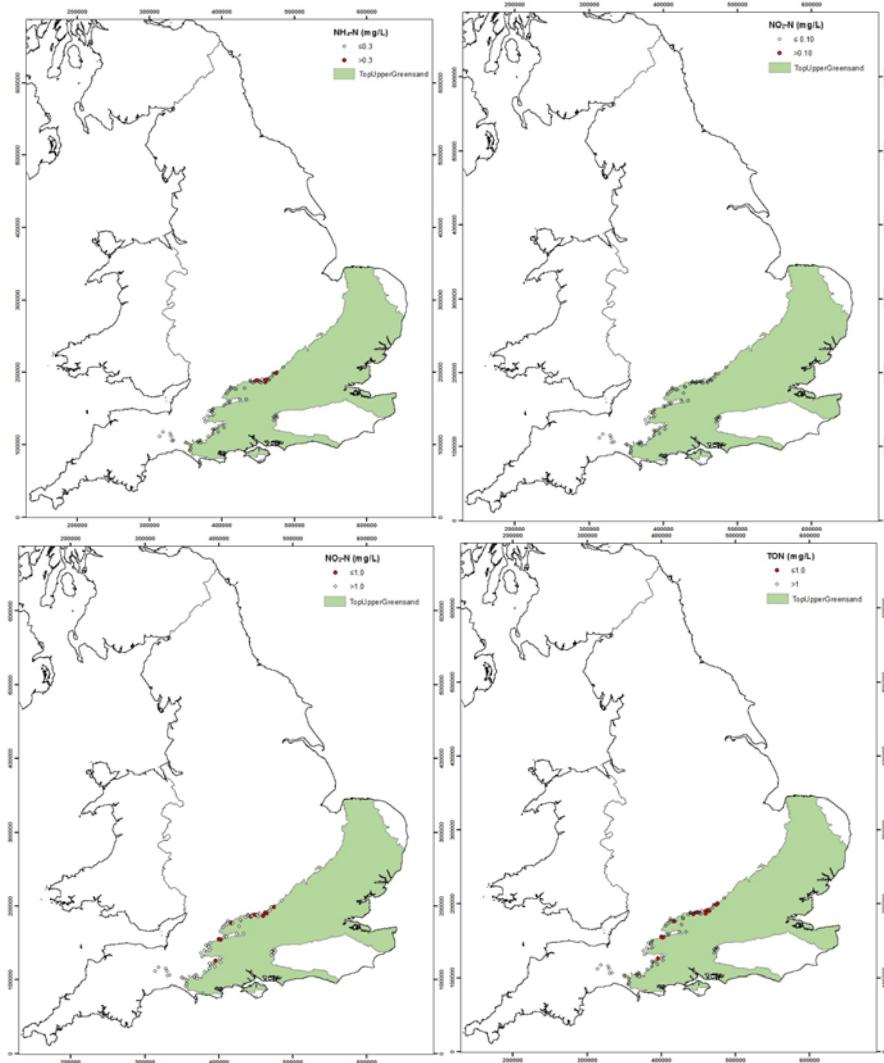


DOC and pH

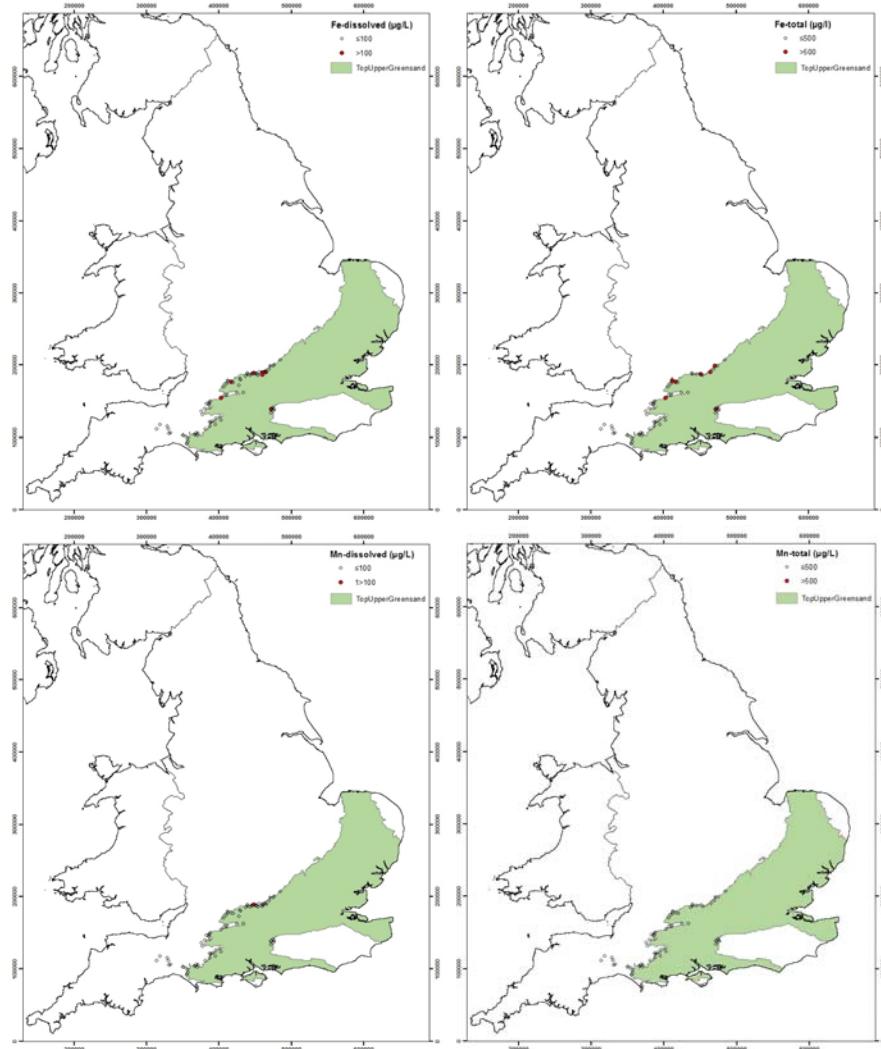


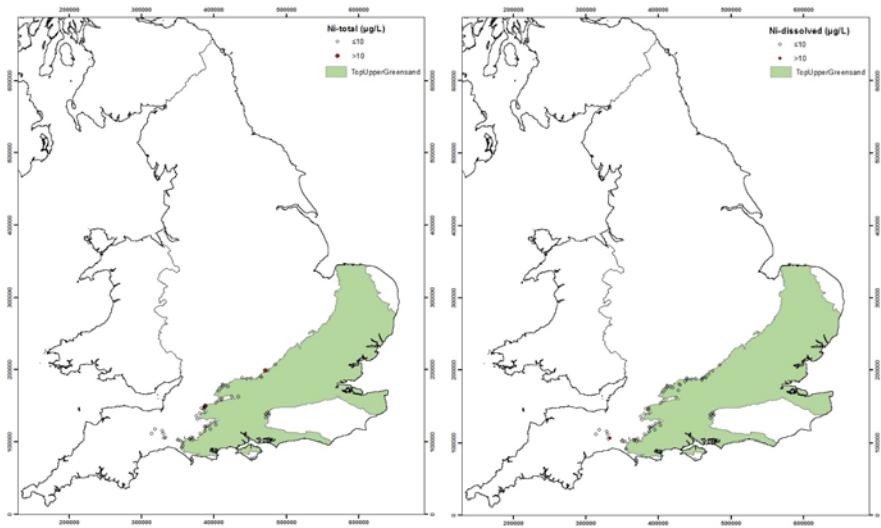
UPPER GREENSAND FORMATION

N-species

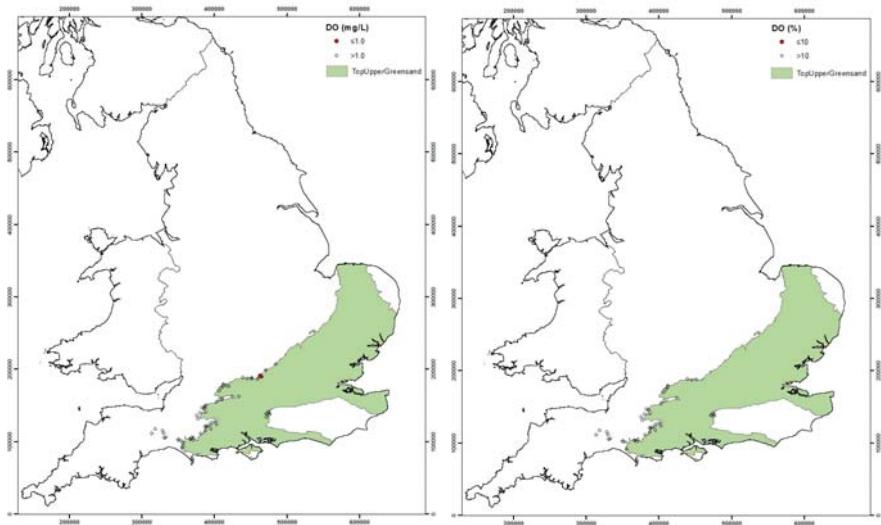


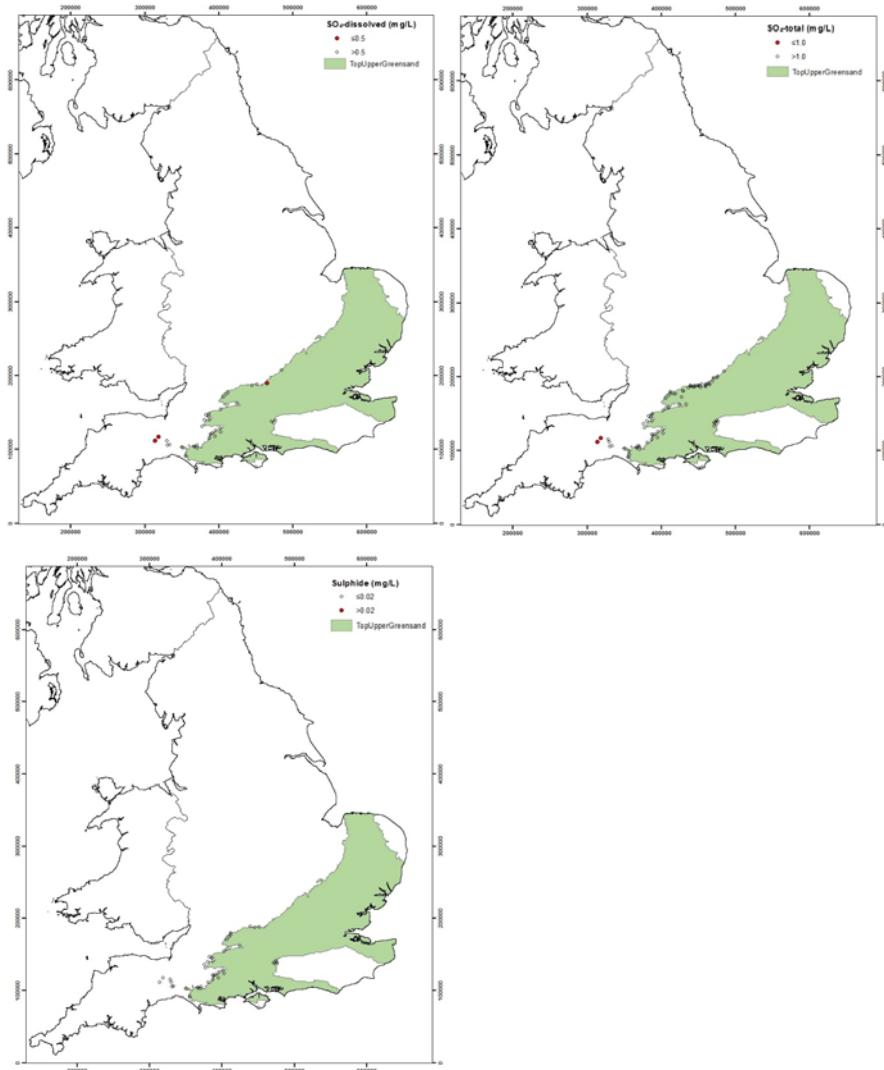
Trace metals



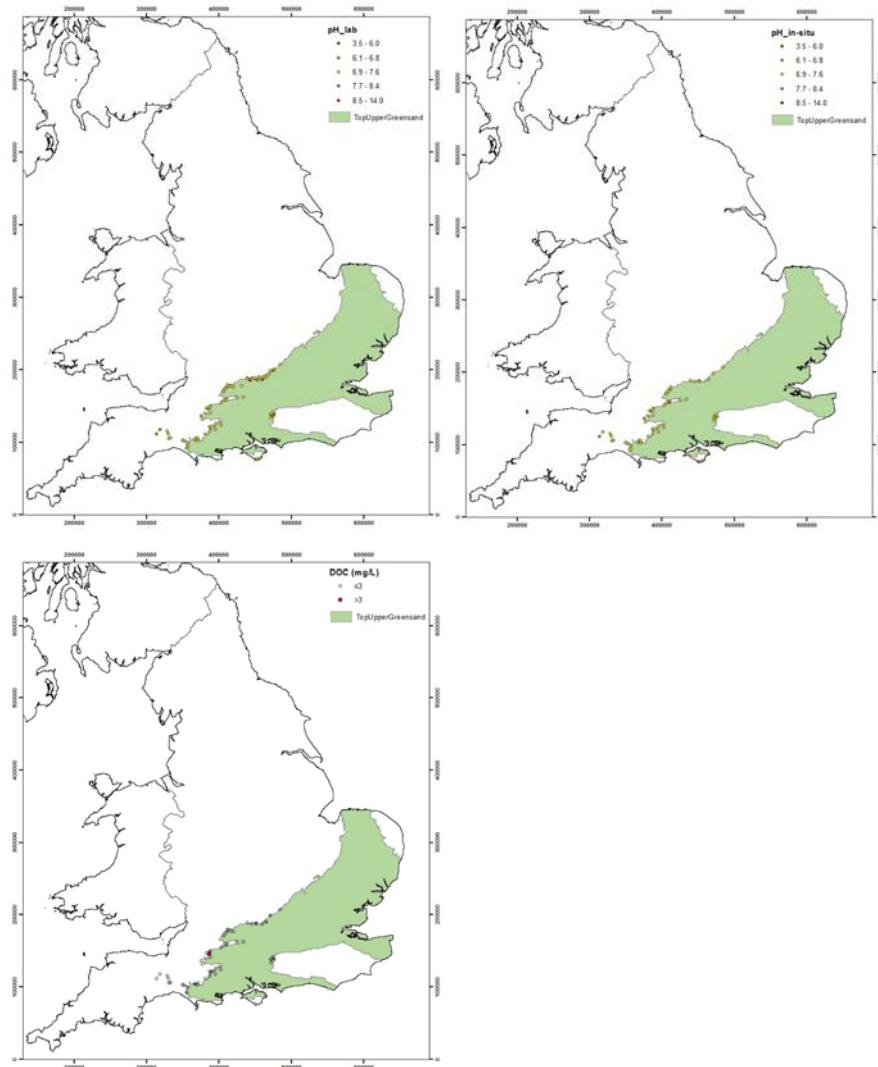


DO and S-species



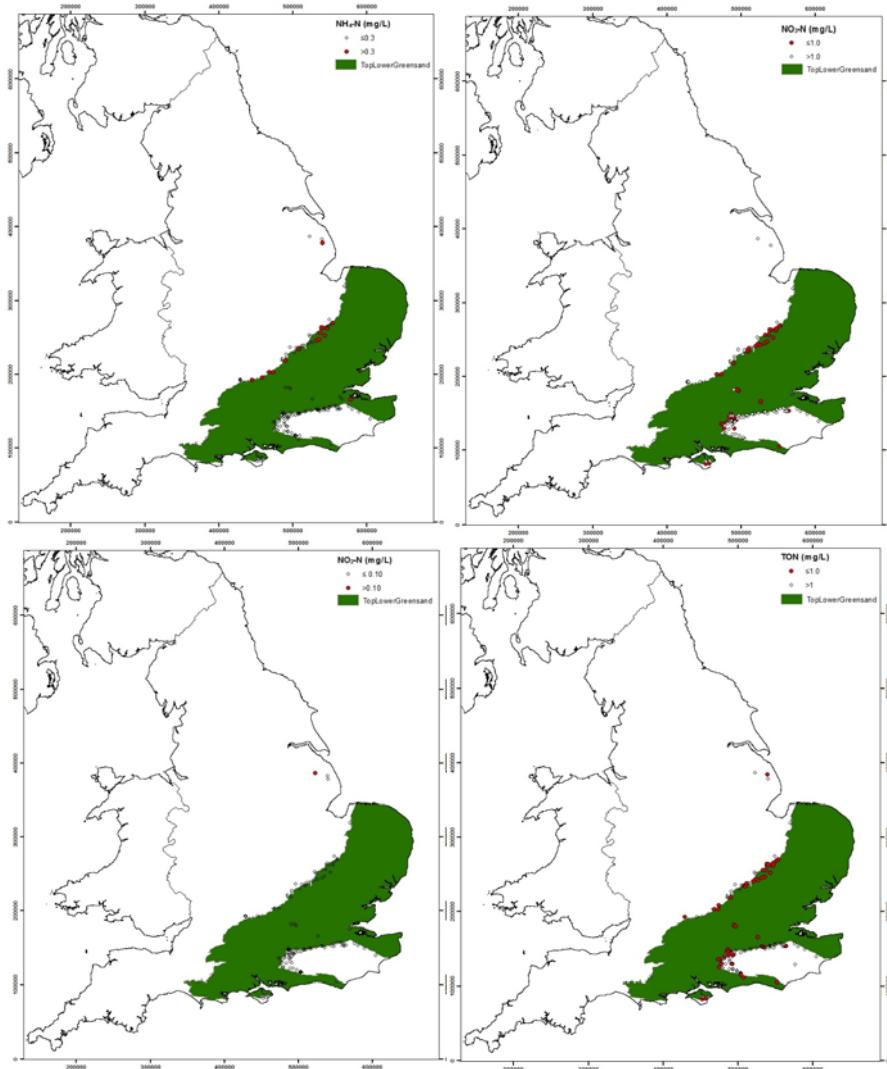


DOC and pH

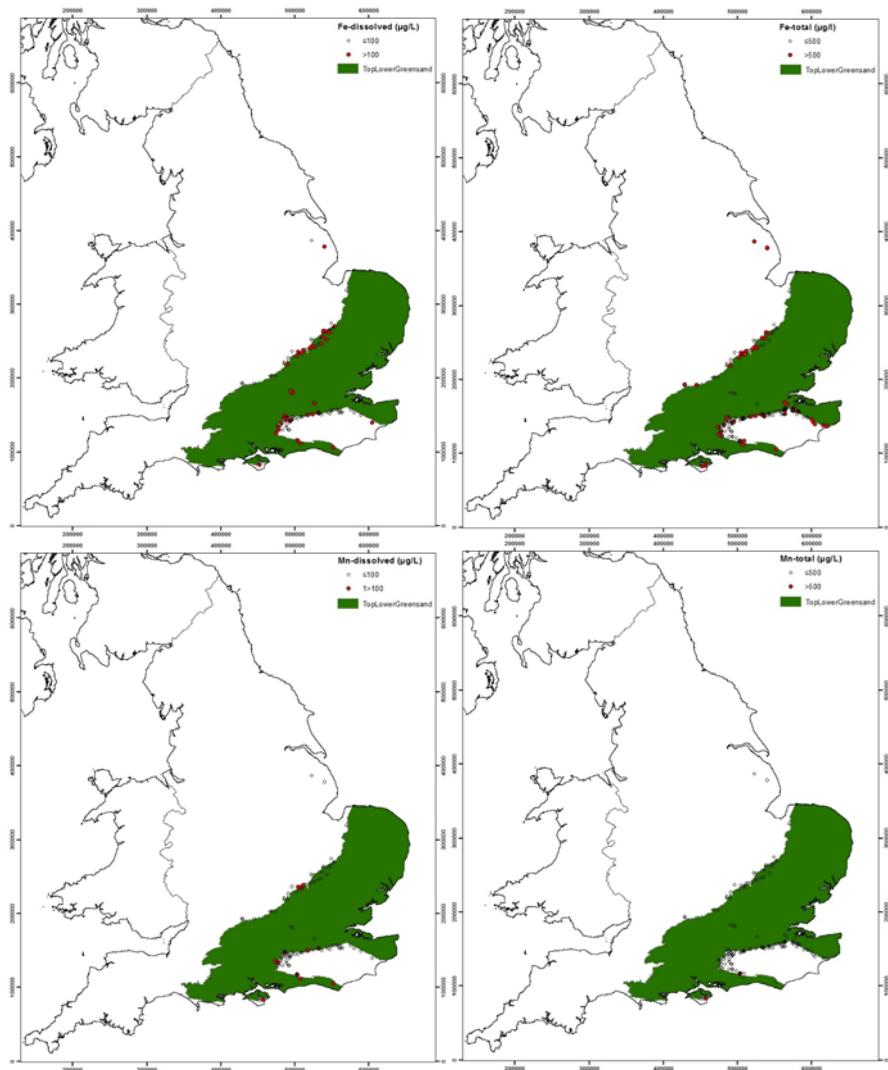


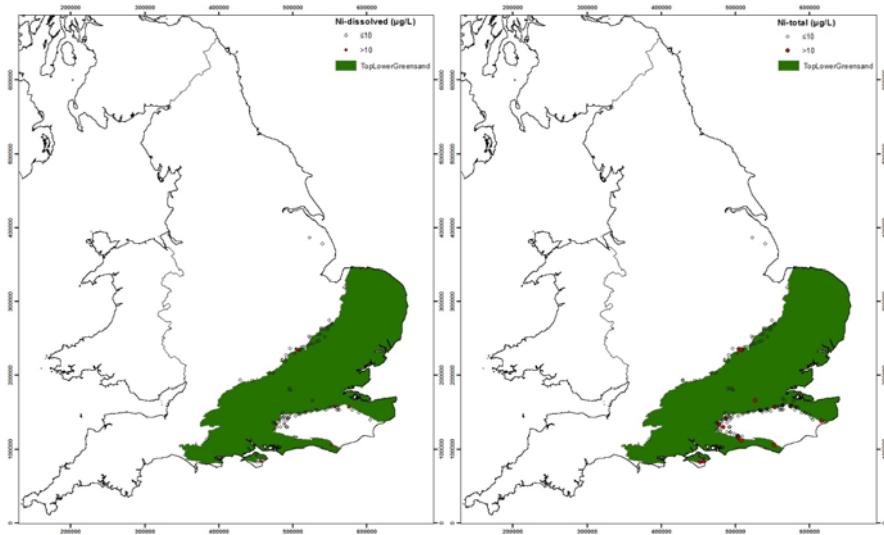
LOWER GREENSAND GROUP

N-species

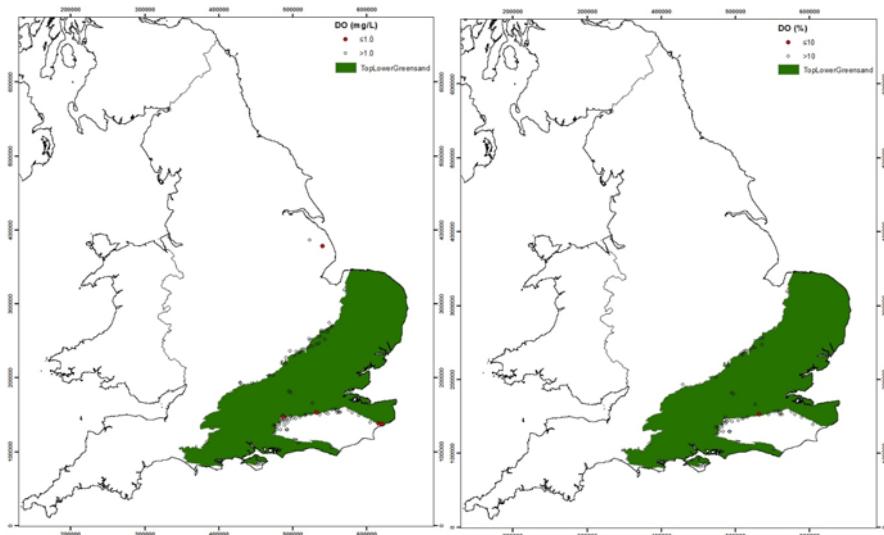


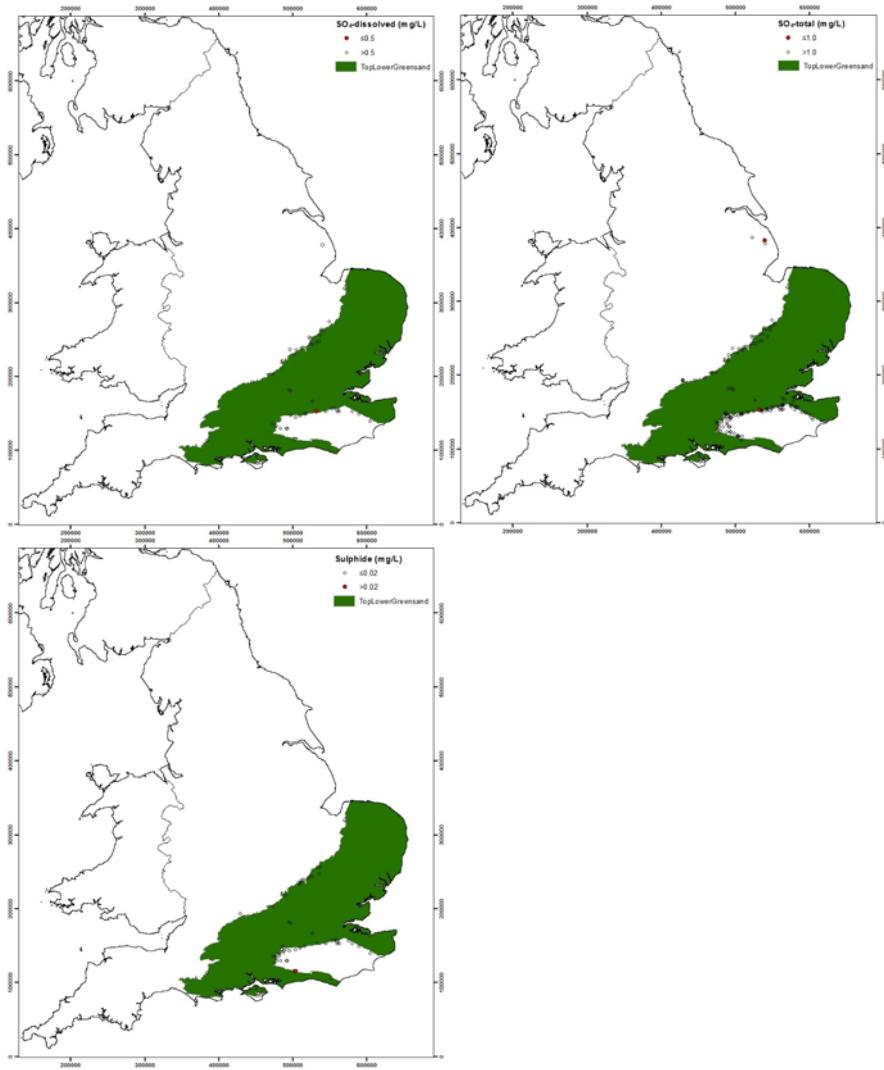
Trace metals



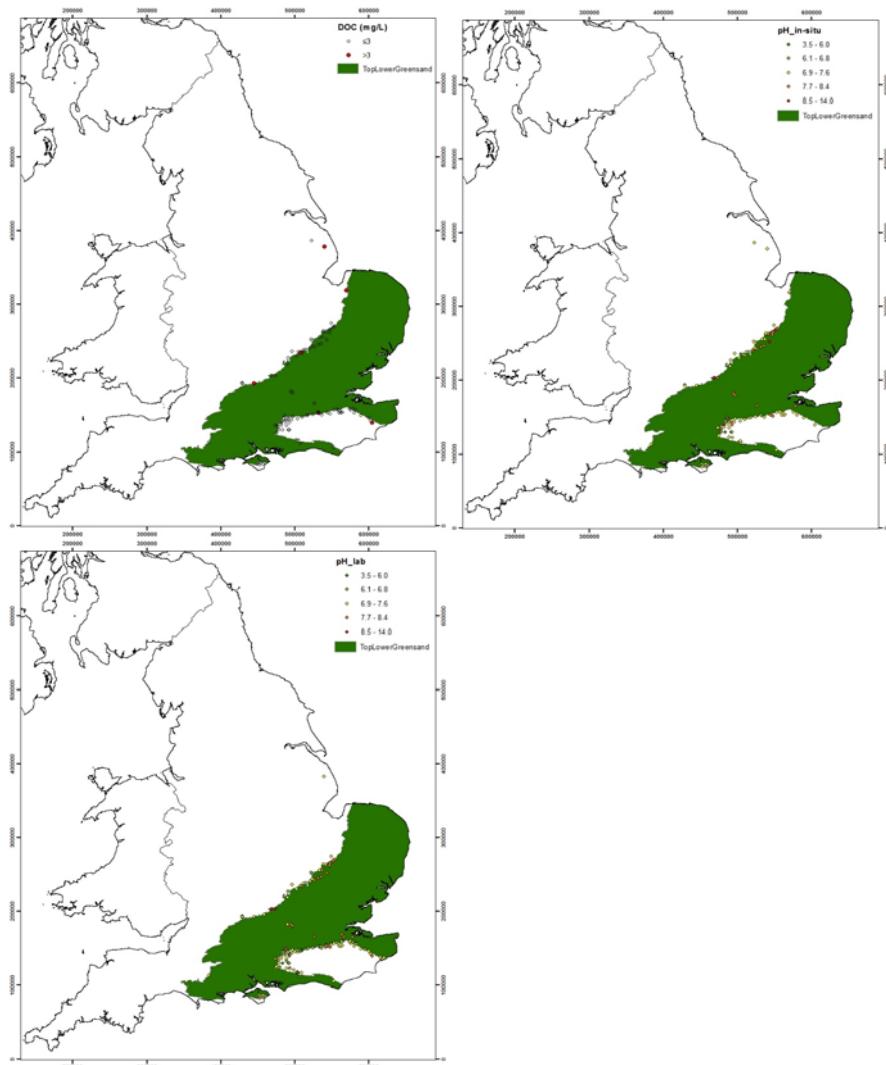


DO and S-species



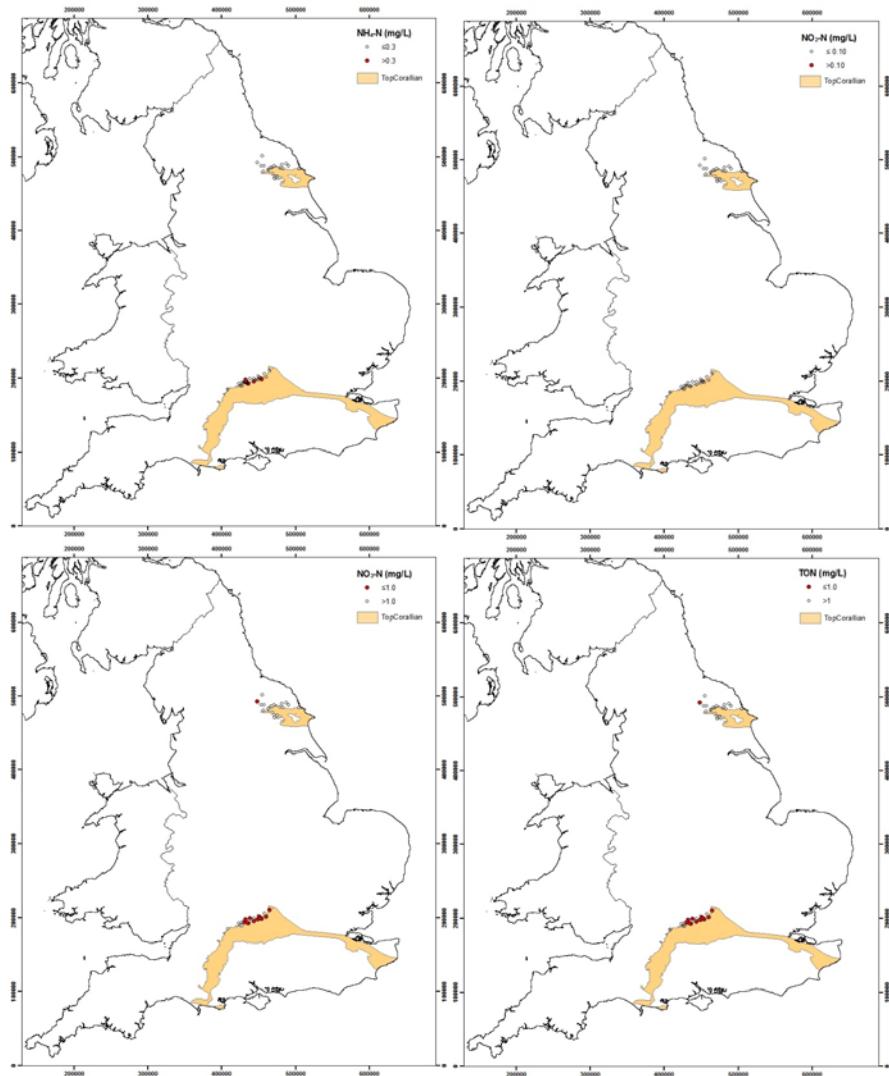


DOC and pH

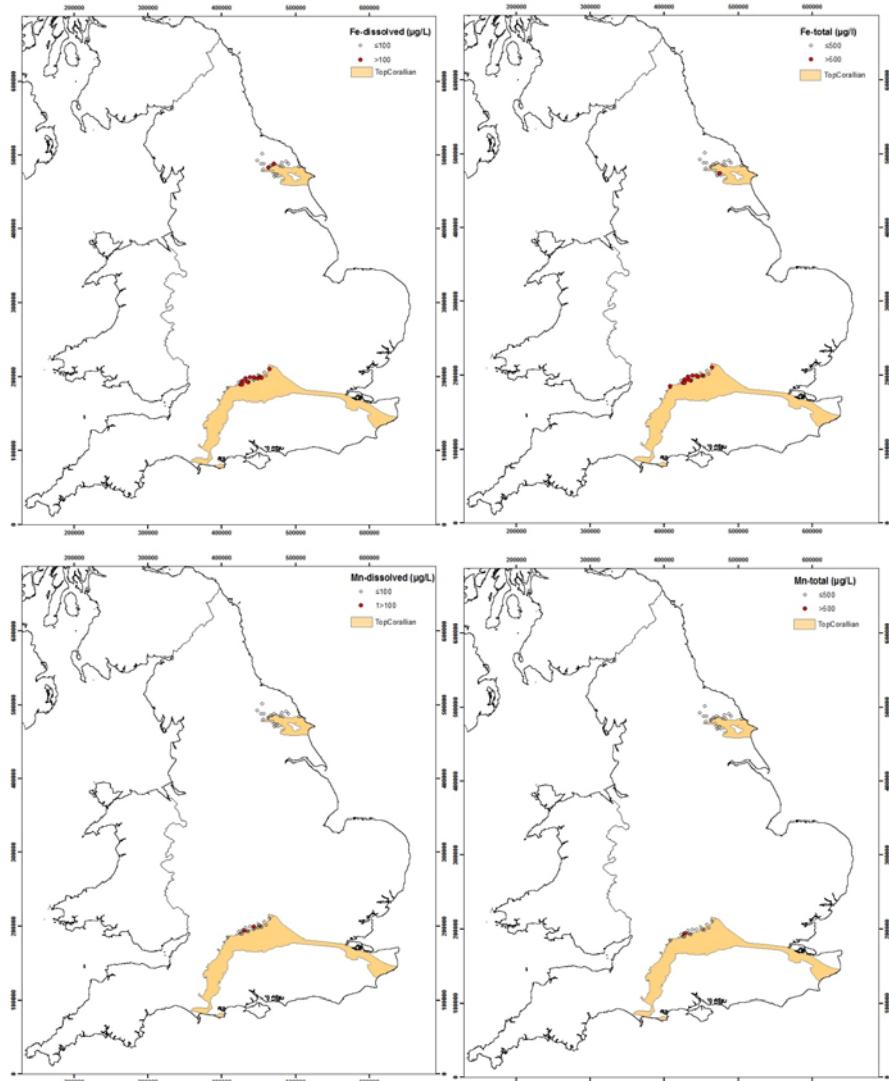


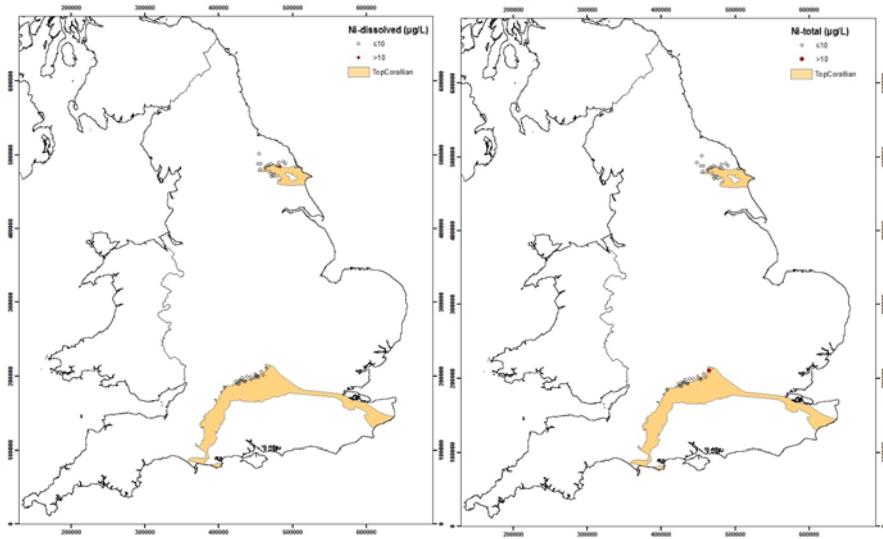
CORALLIAN GROUP

N-species

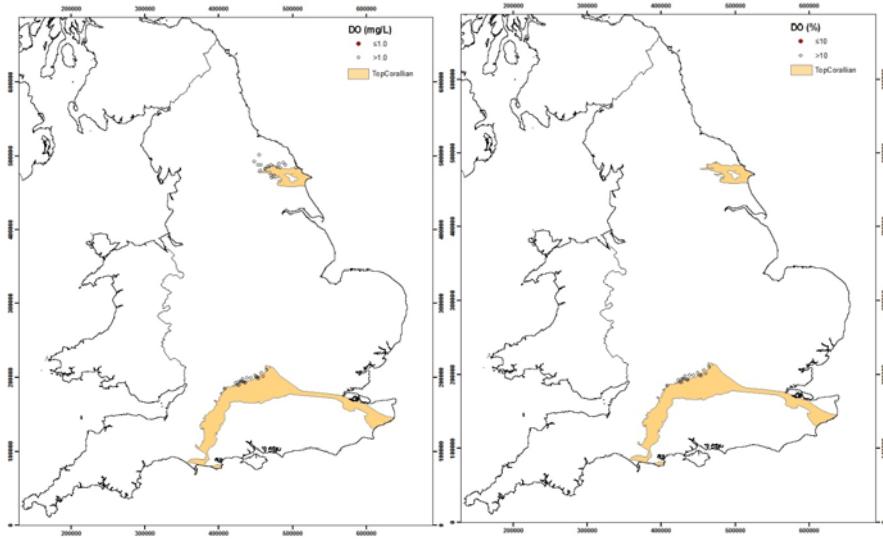


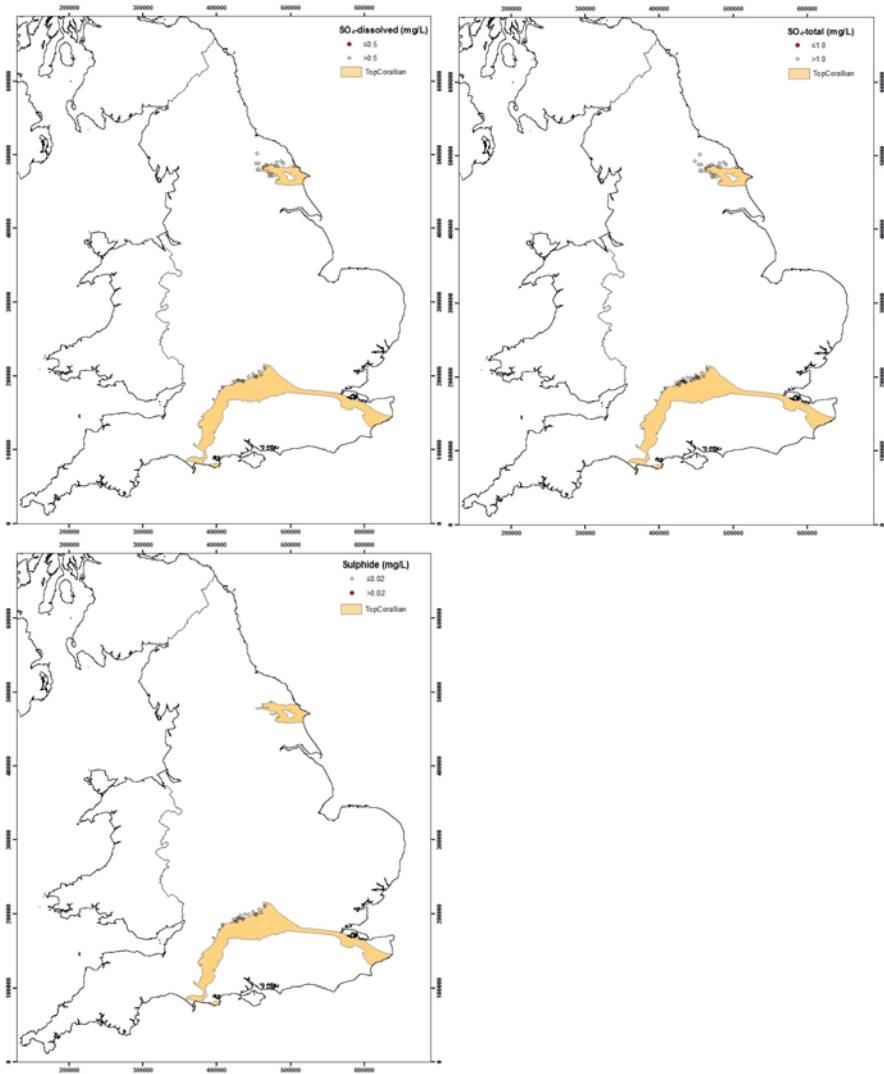
Trace metals



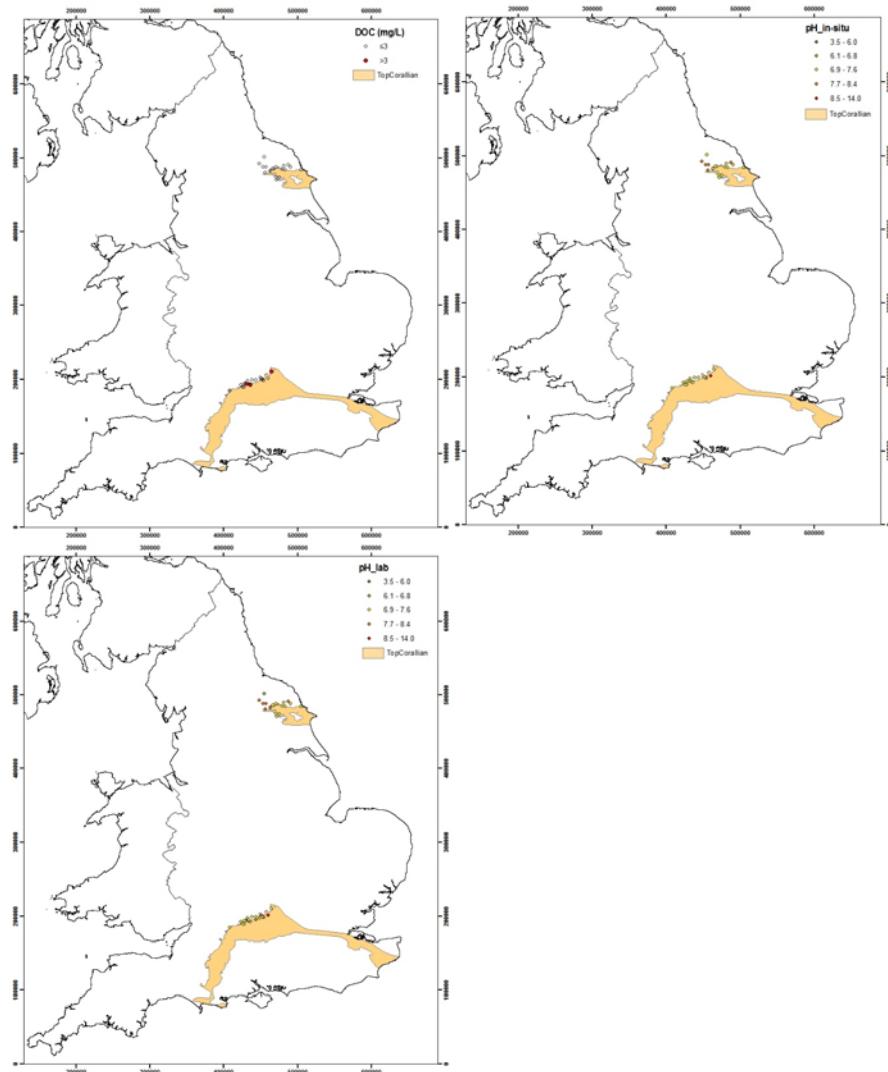


DO and S-species



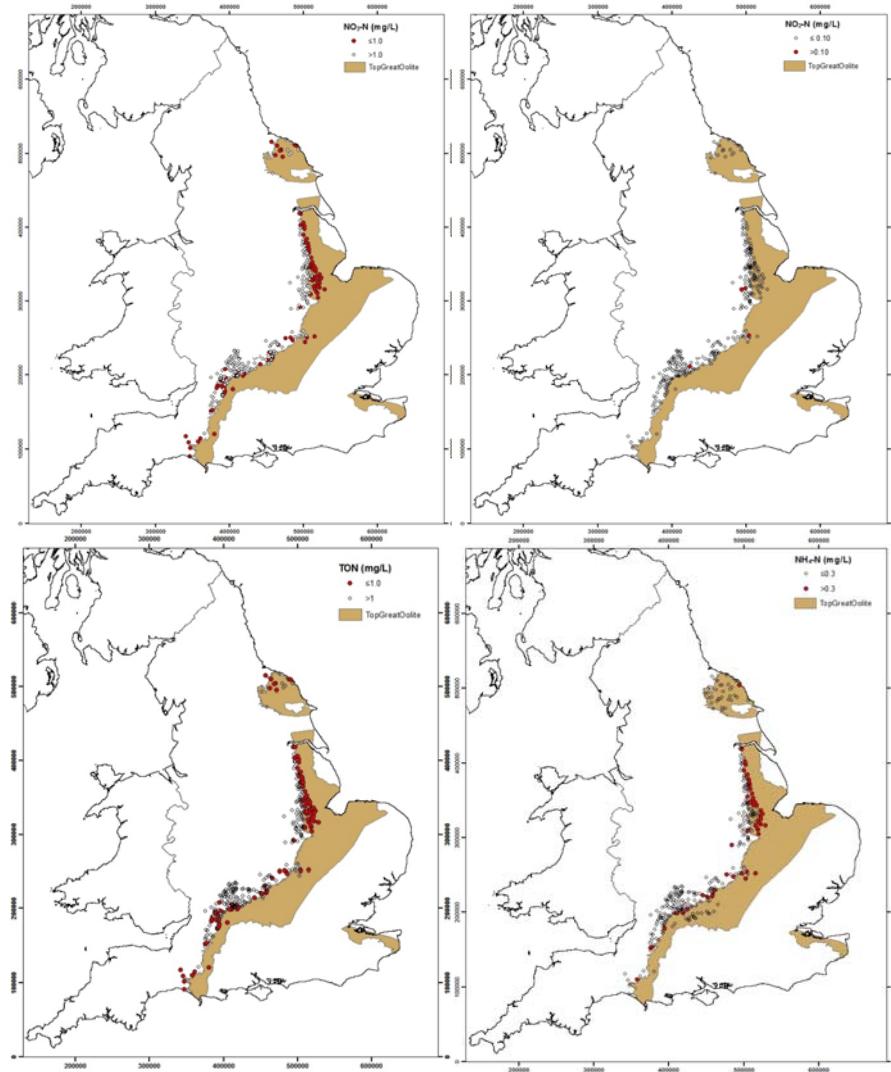


DOC and pH

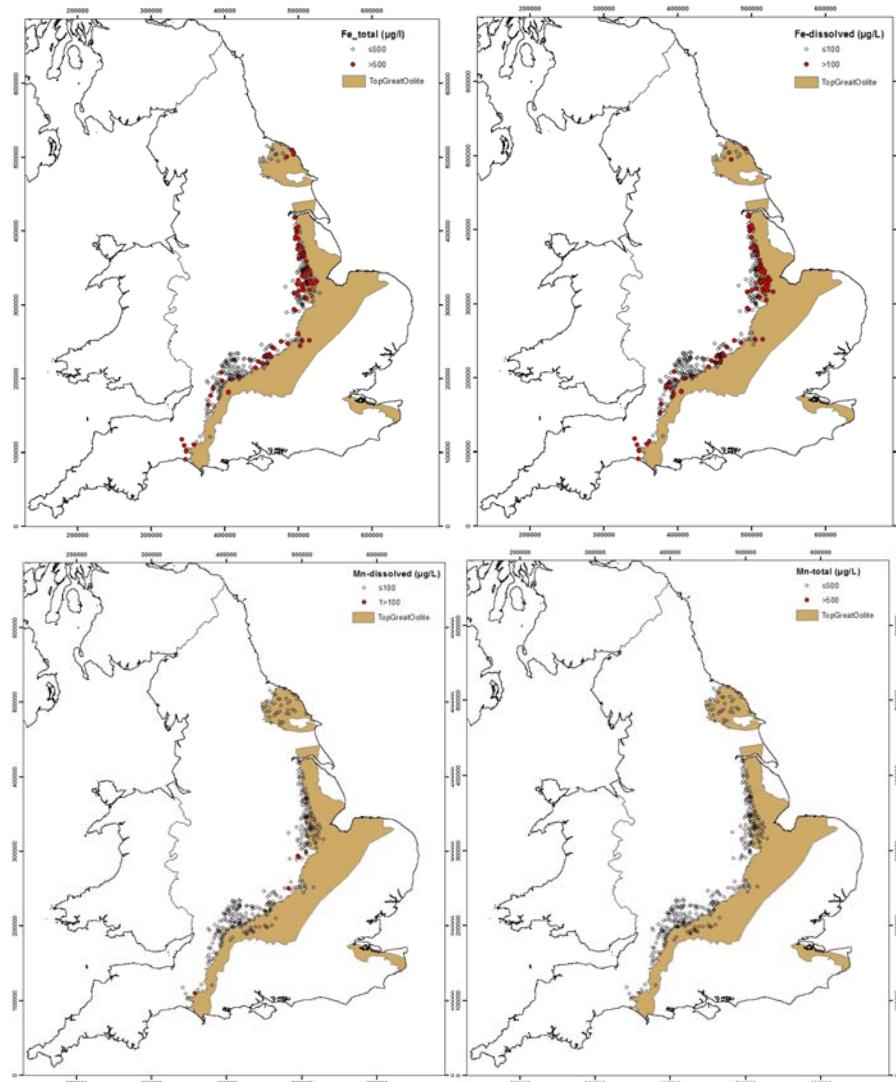


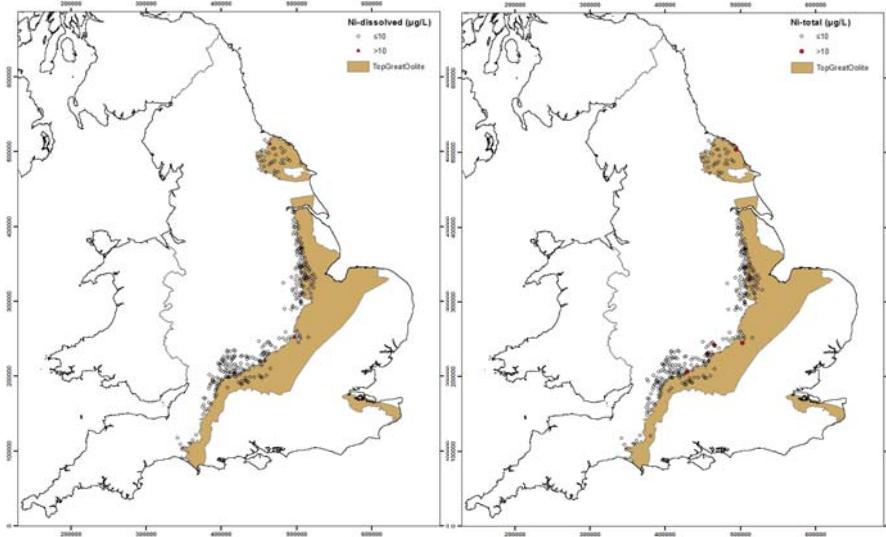
OOLITE (GREAT AND INFERIOR)

N-species

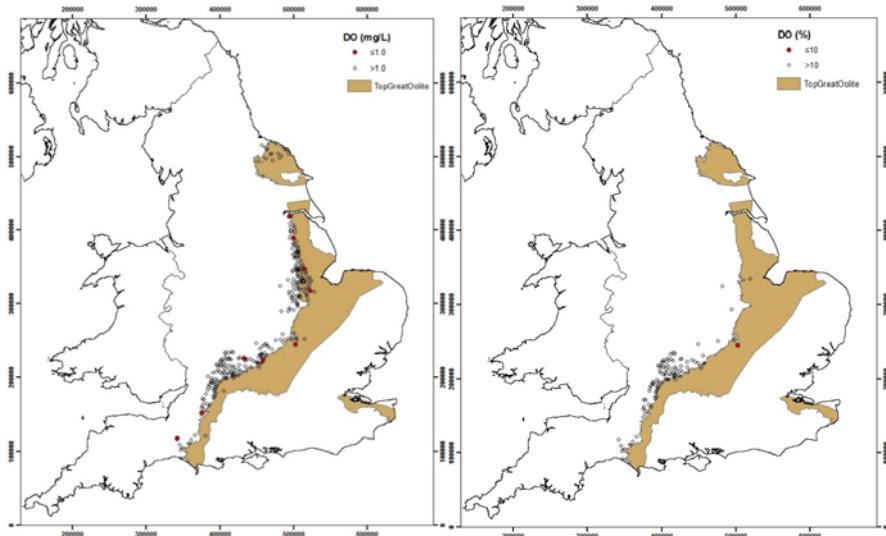


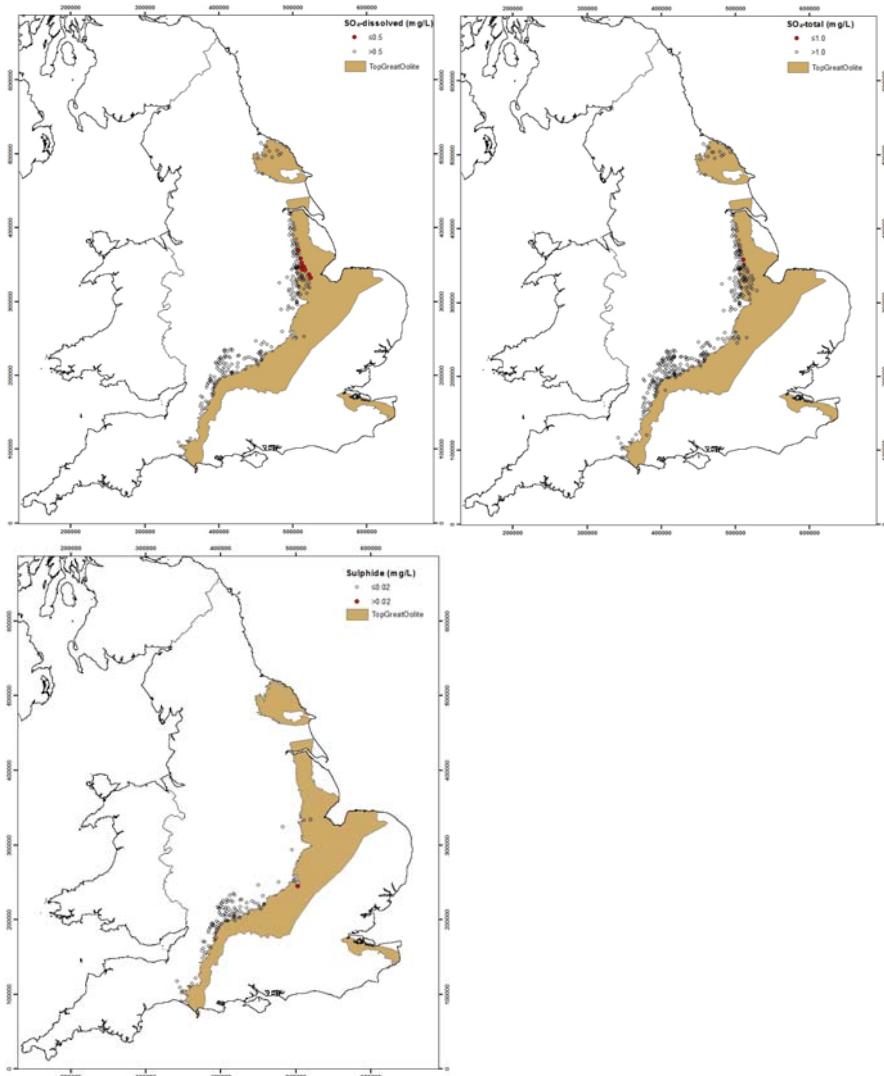
Trace metals



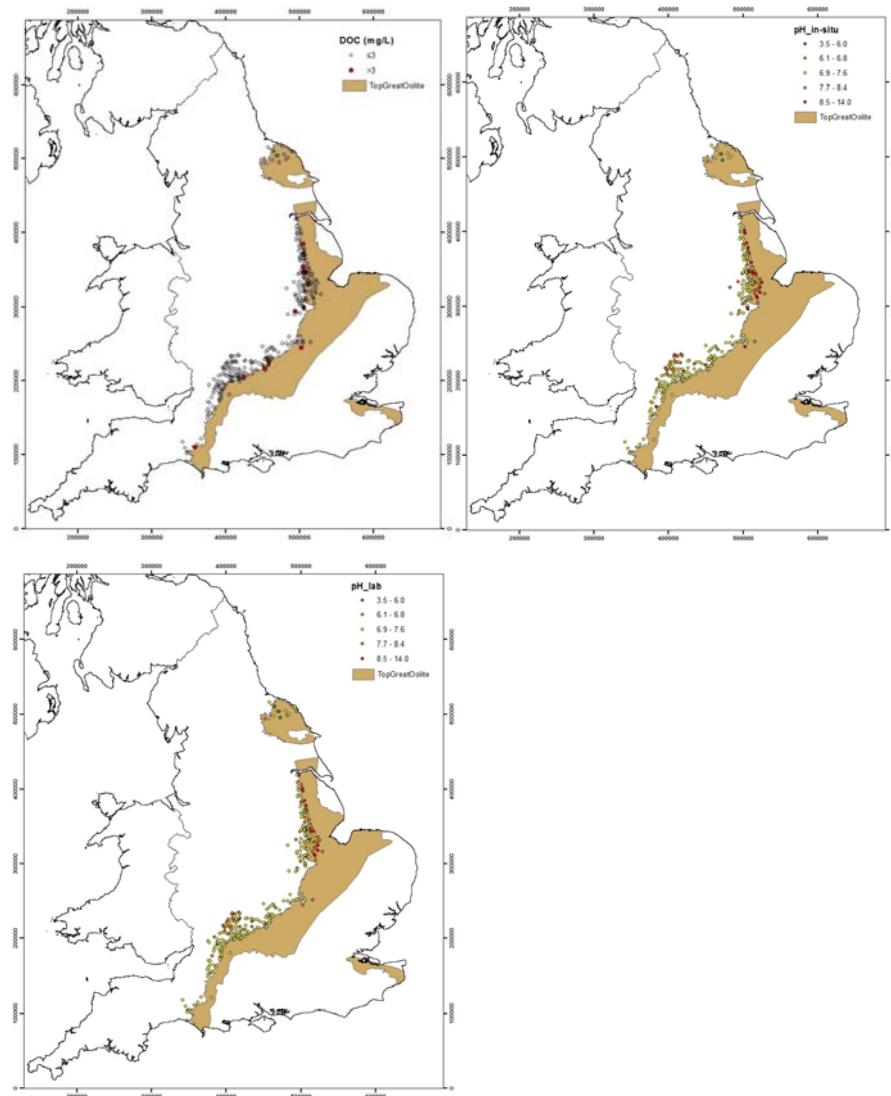


DO and S-species



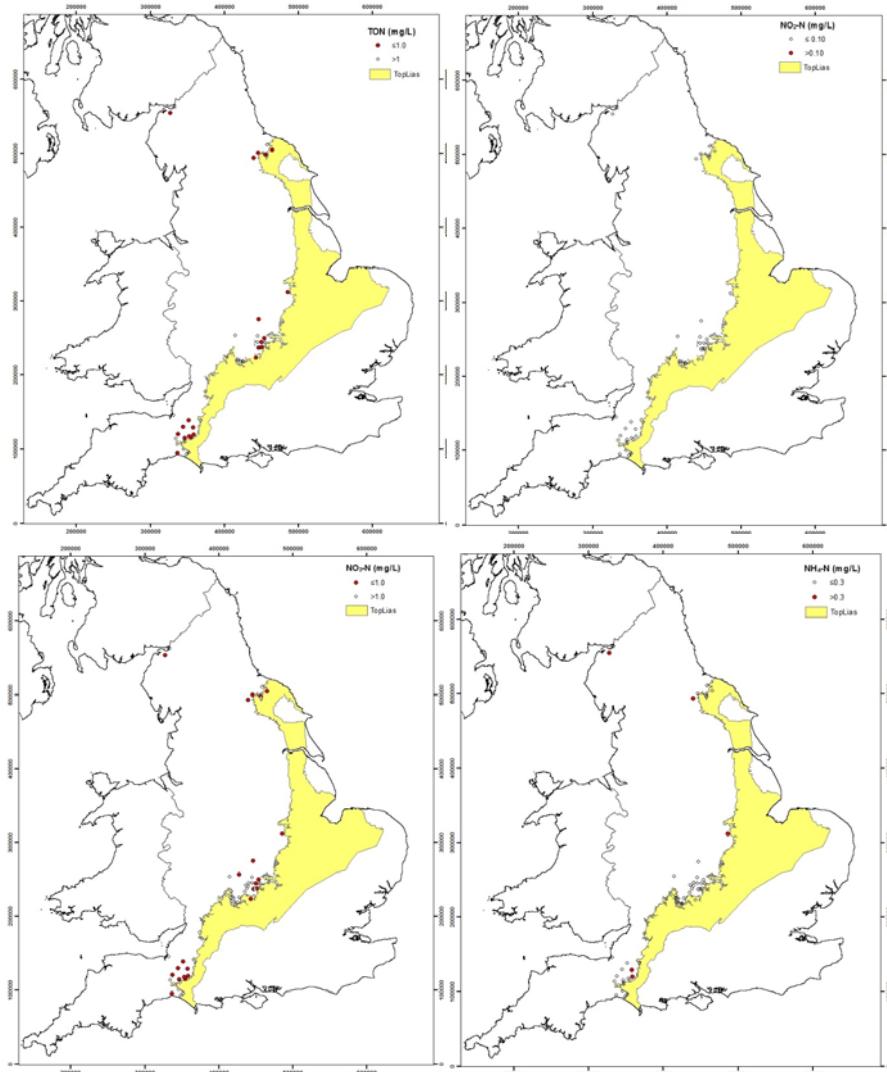


DOC and pH

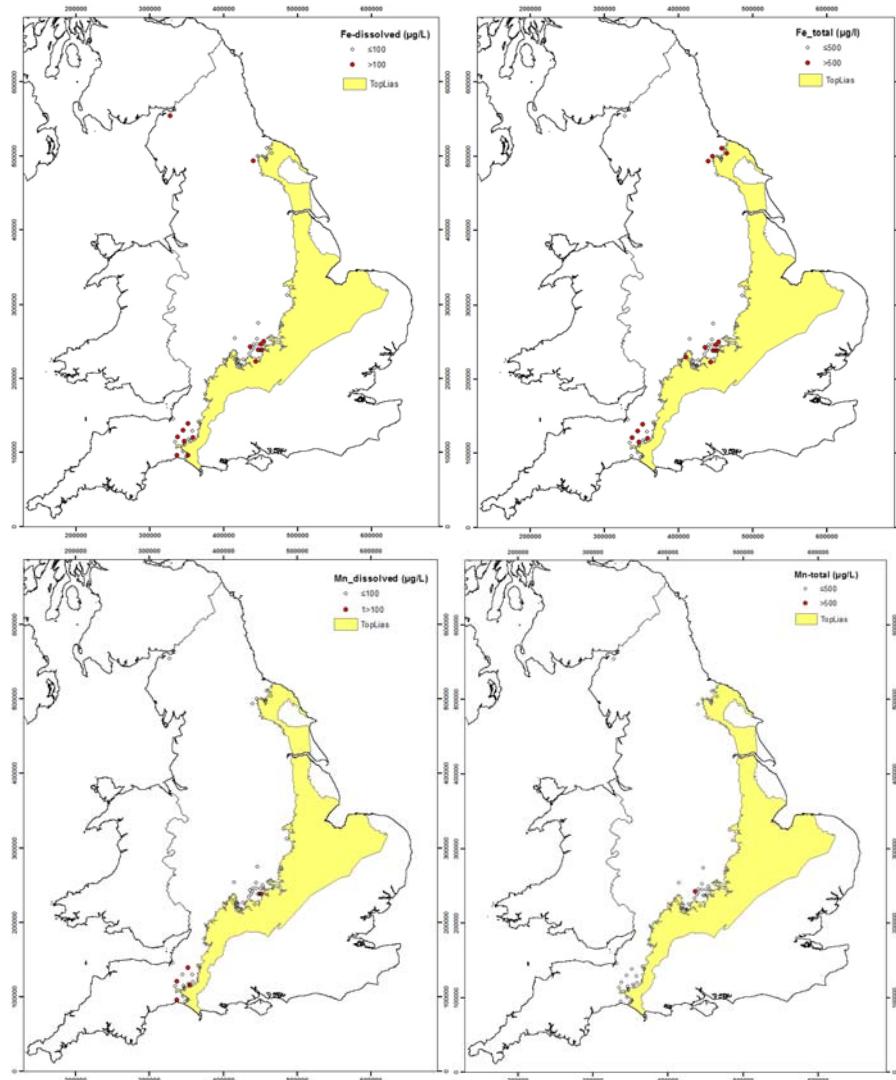


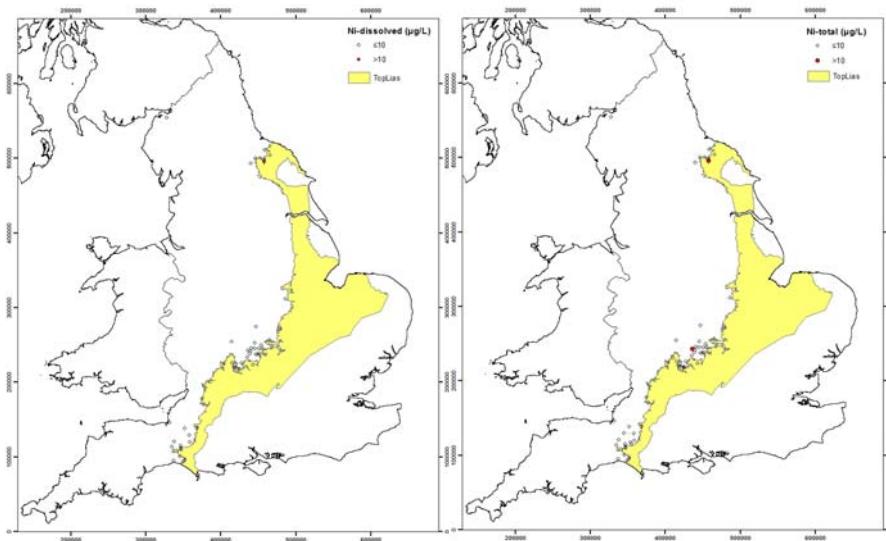
LIAS GROUP

N-species

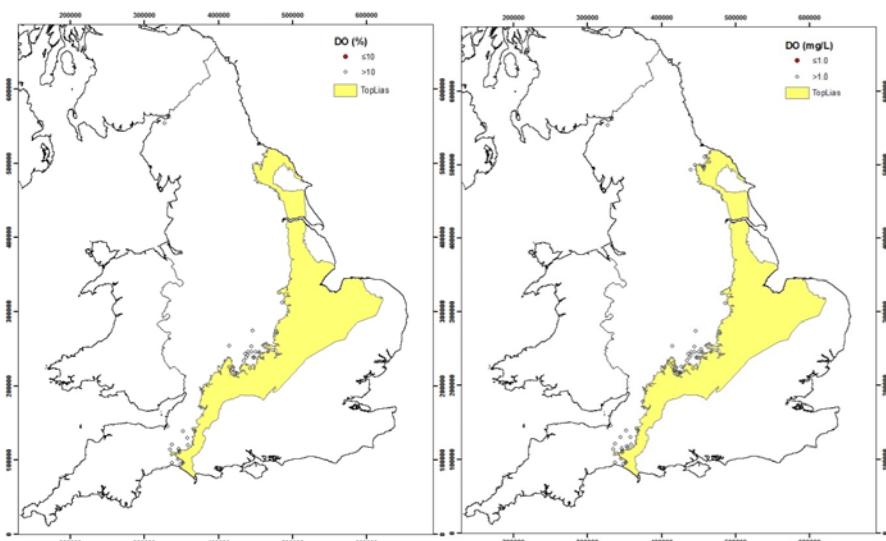


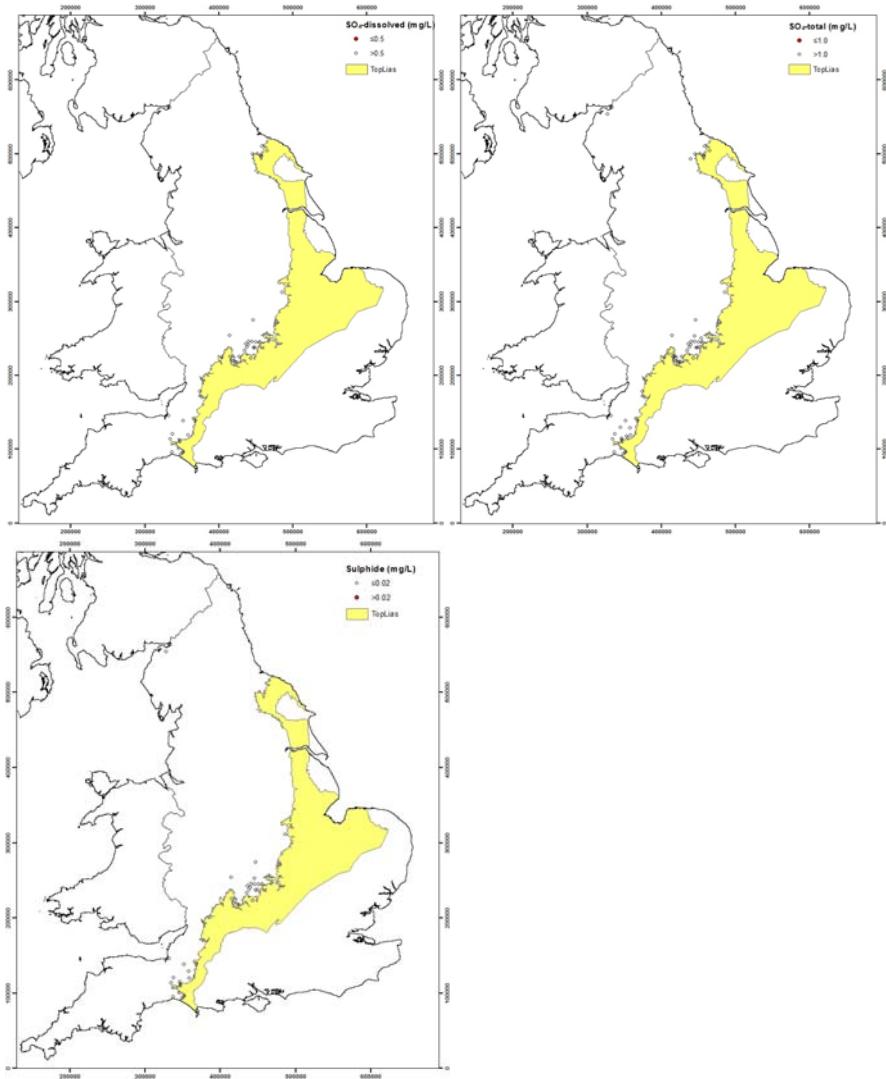
Trace metals



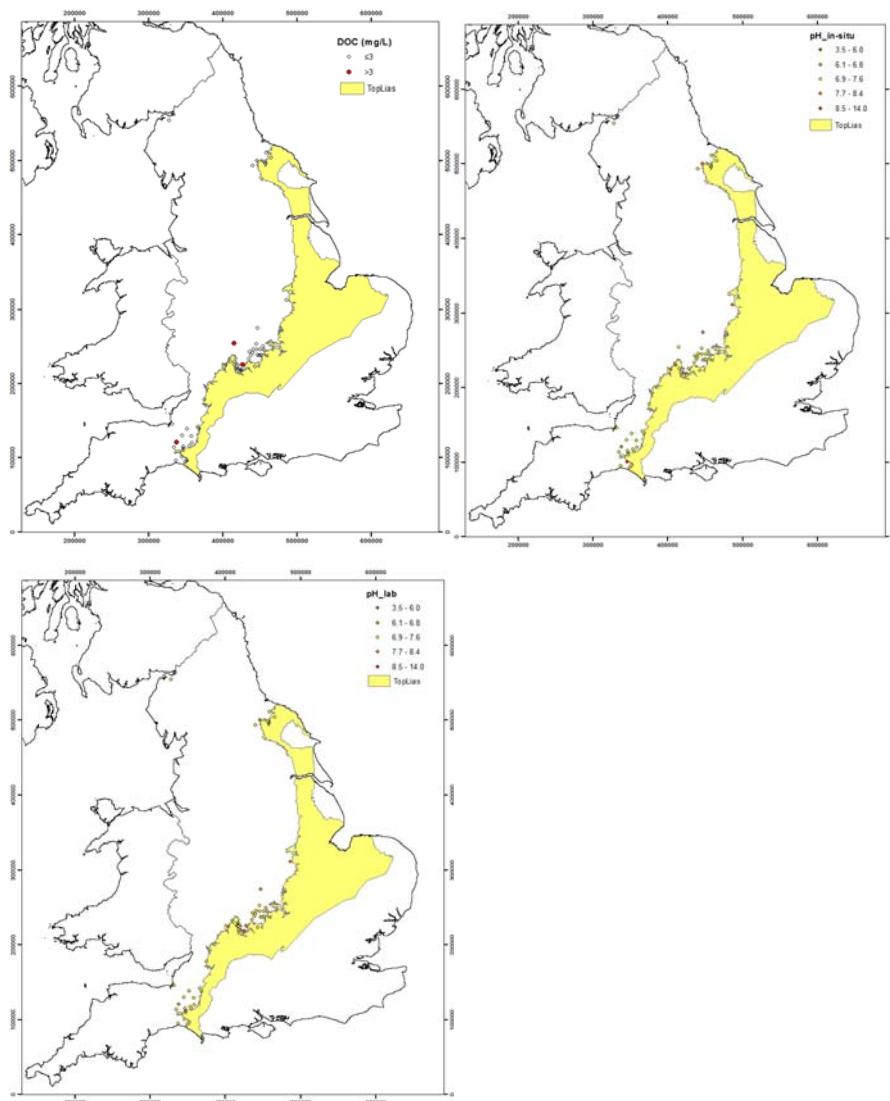


DO and S-species



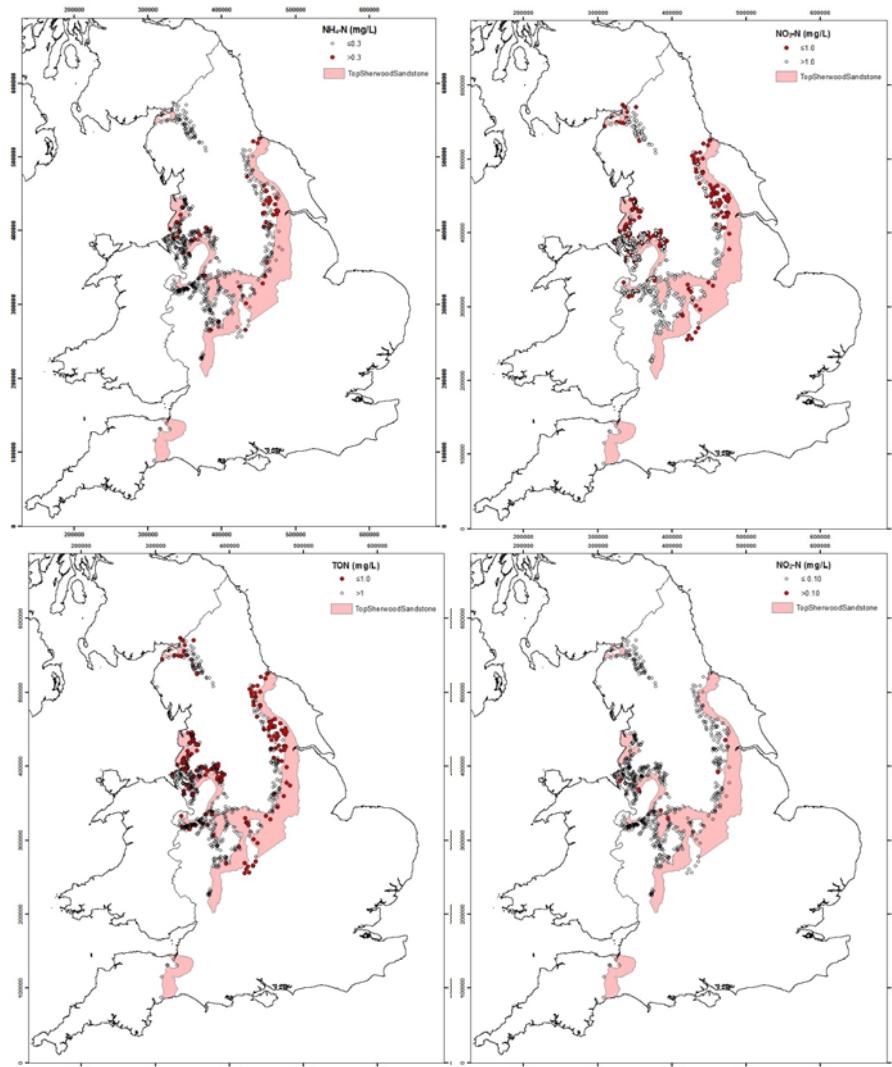


DOC and pH

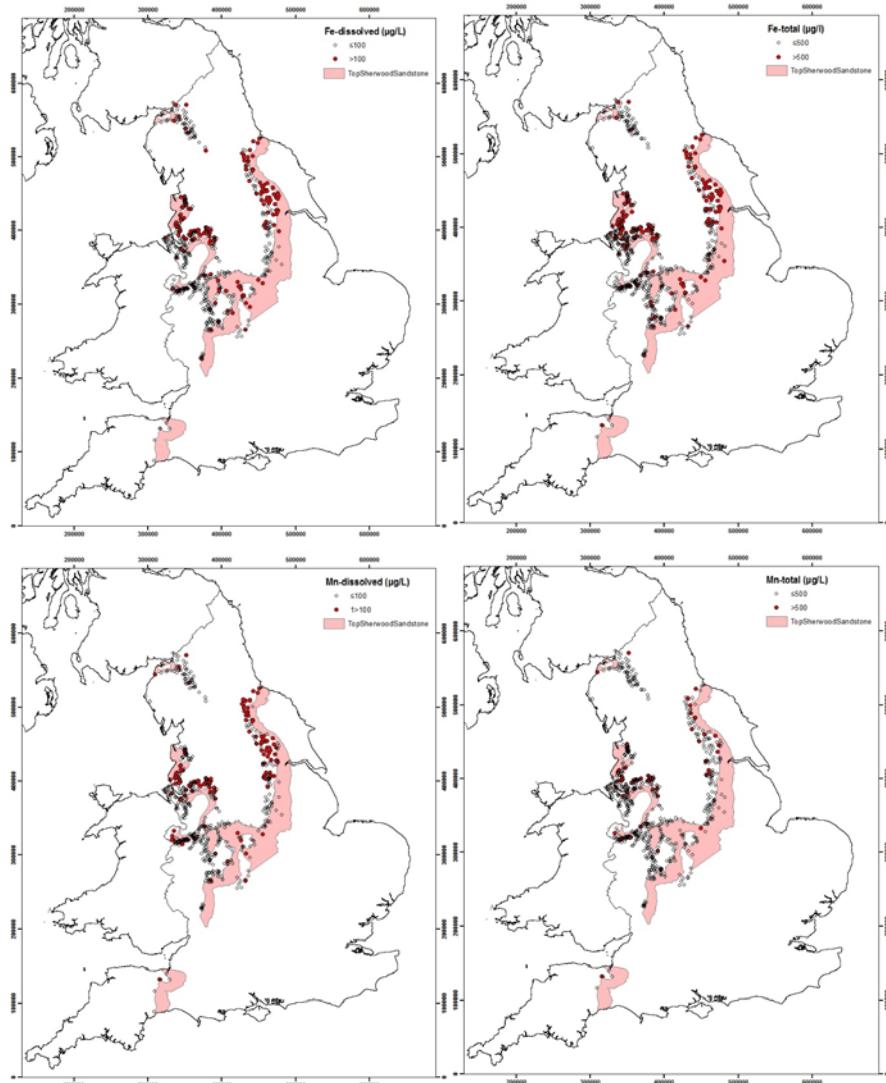


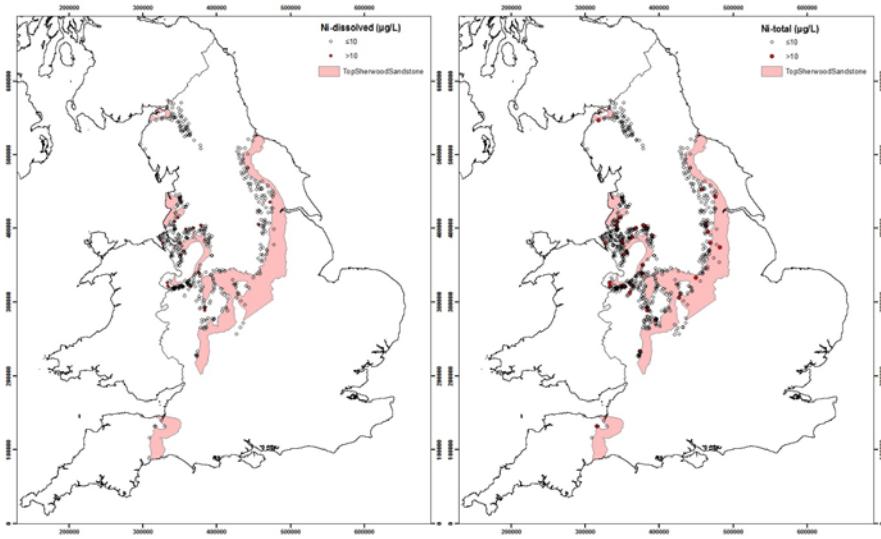
SHERWOOD SANDSTONE GROUP

N-species

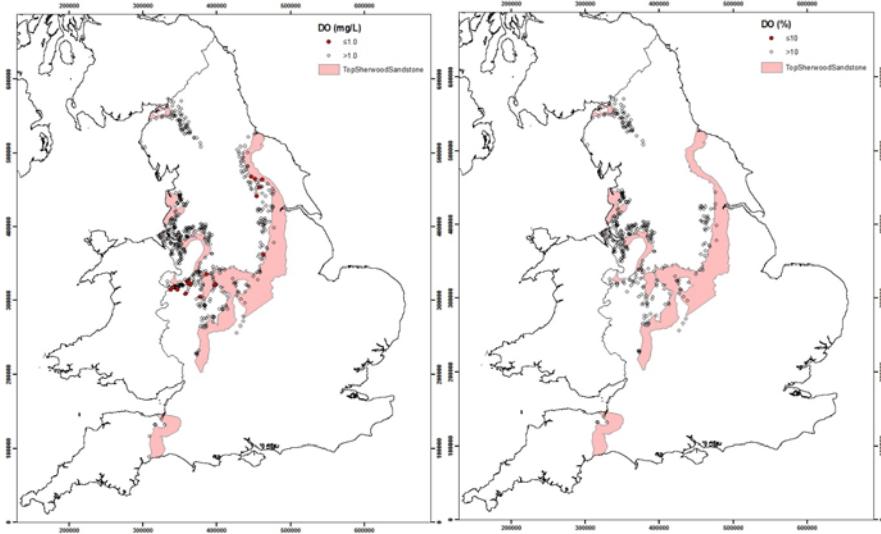


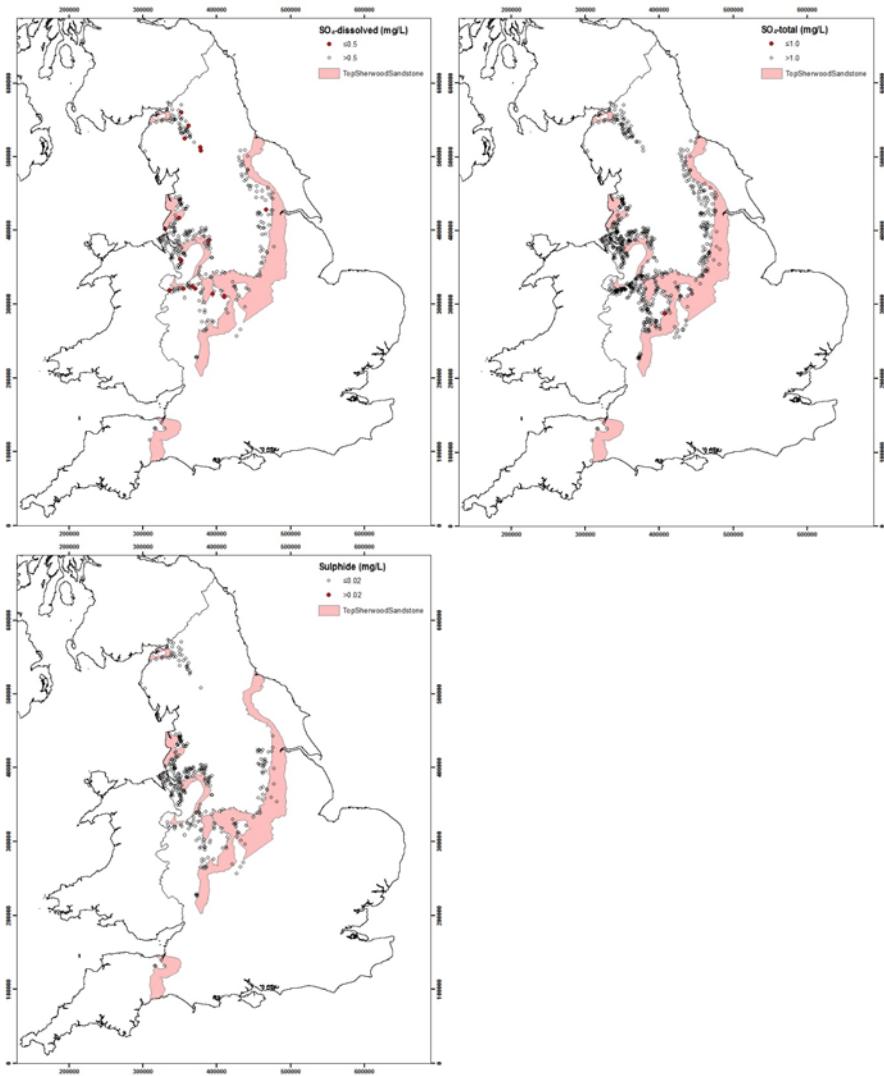
Trace metals



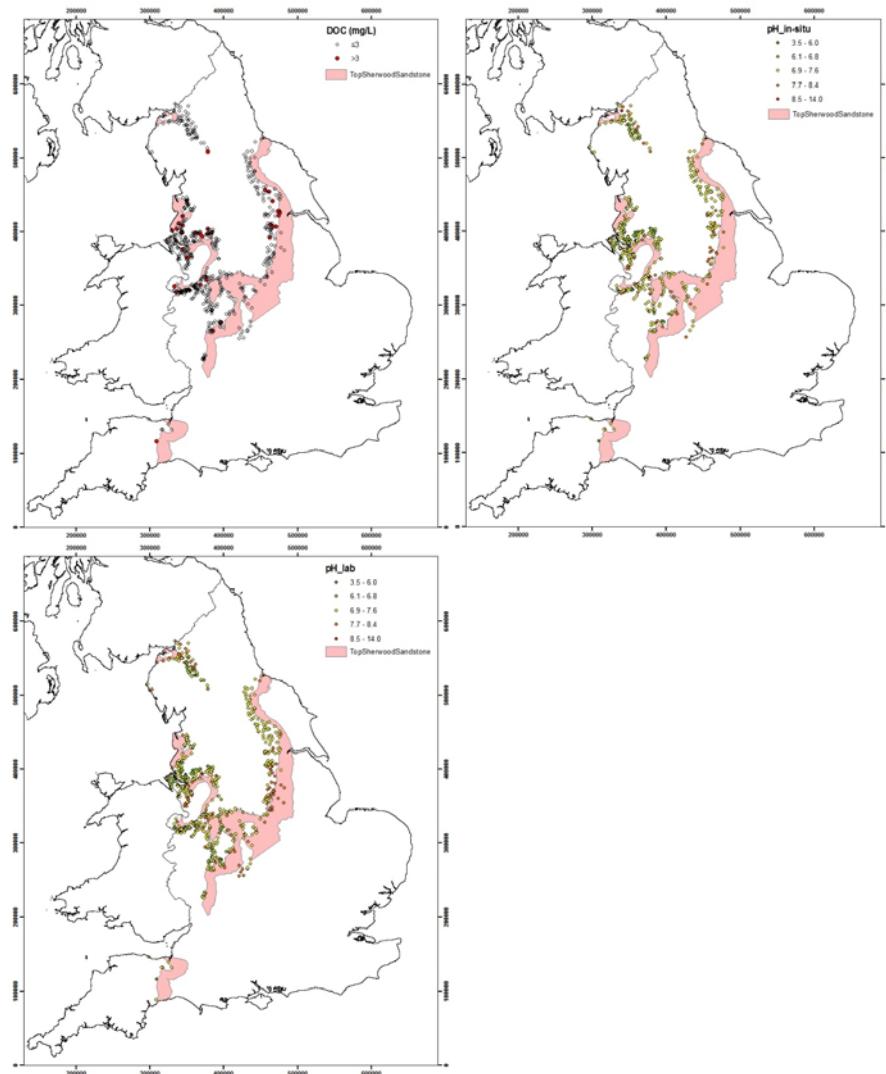


DO and S-species



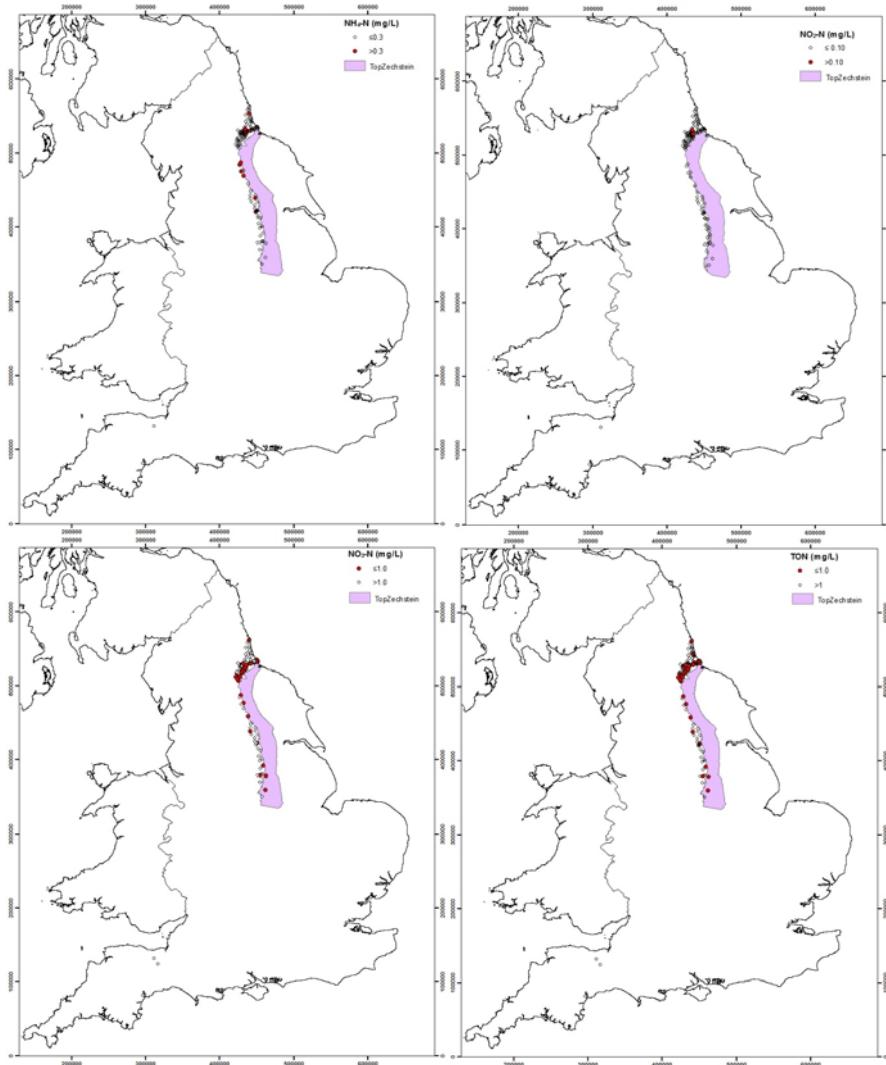


DOC and pH

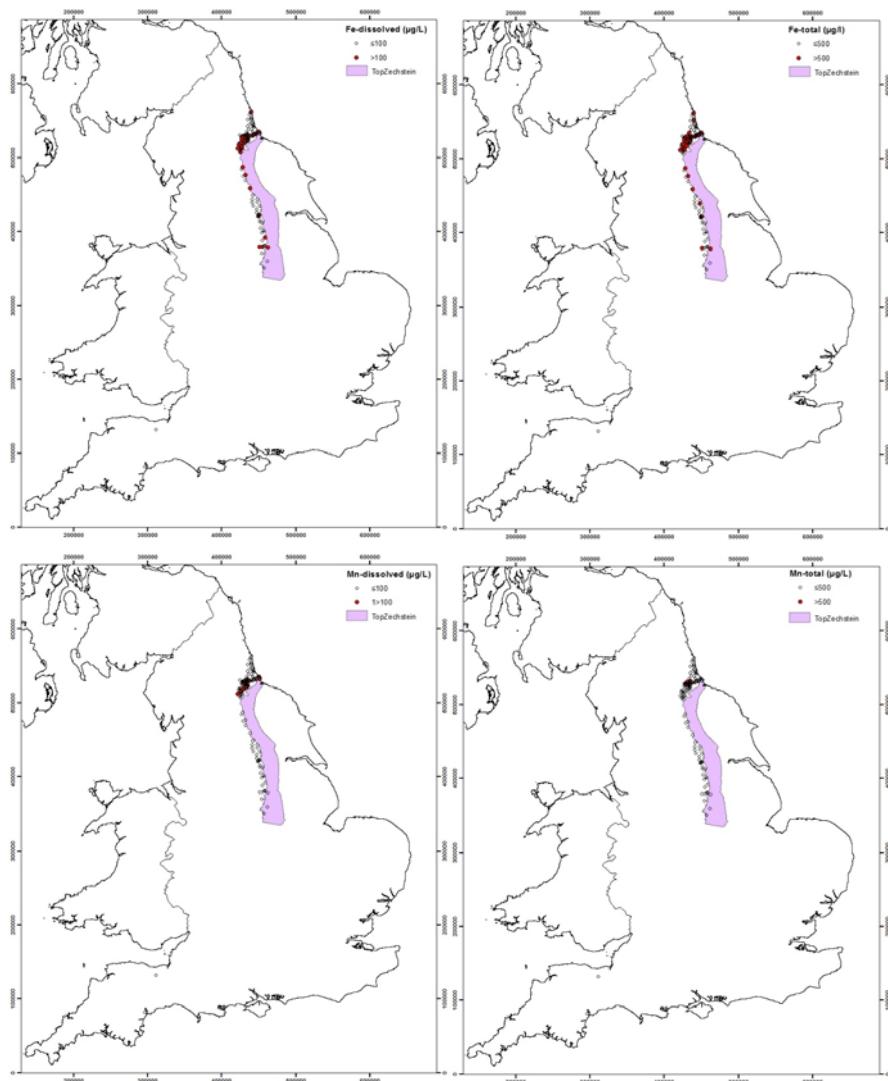


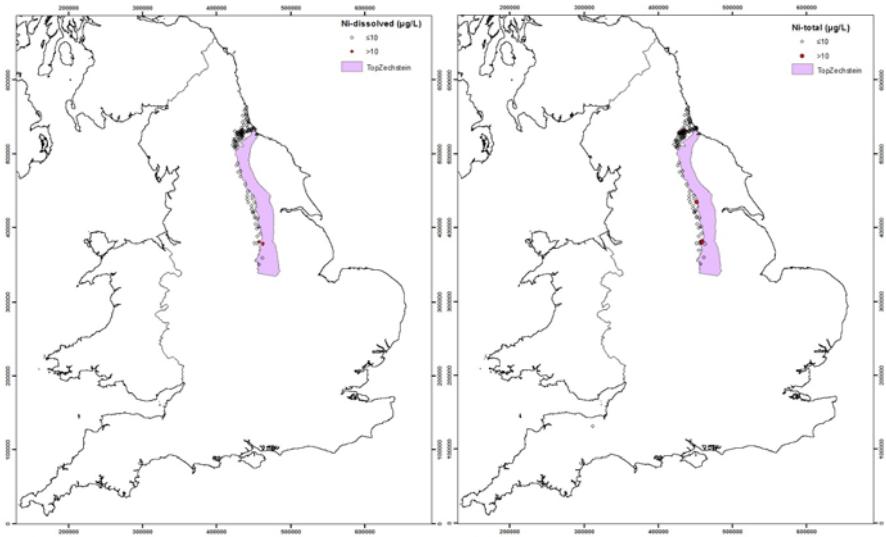
ZECHSTEIN GROUP (MAGNESIAN LIMESTONE)

N-species

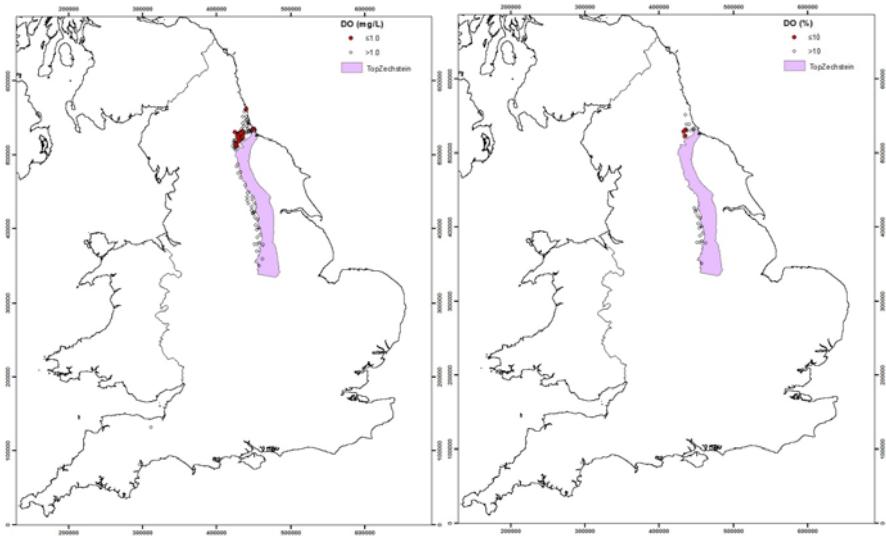


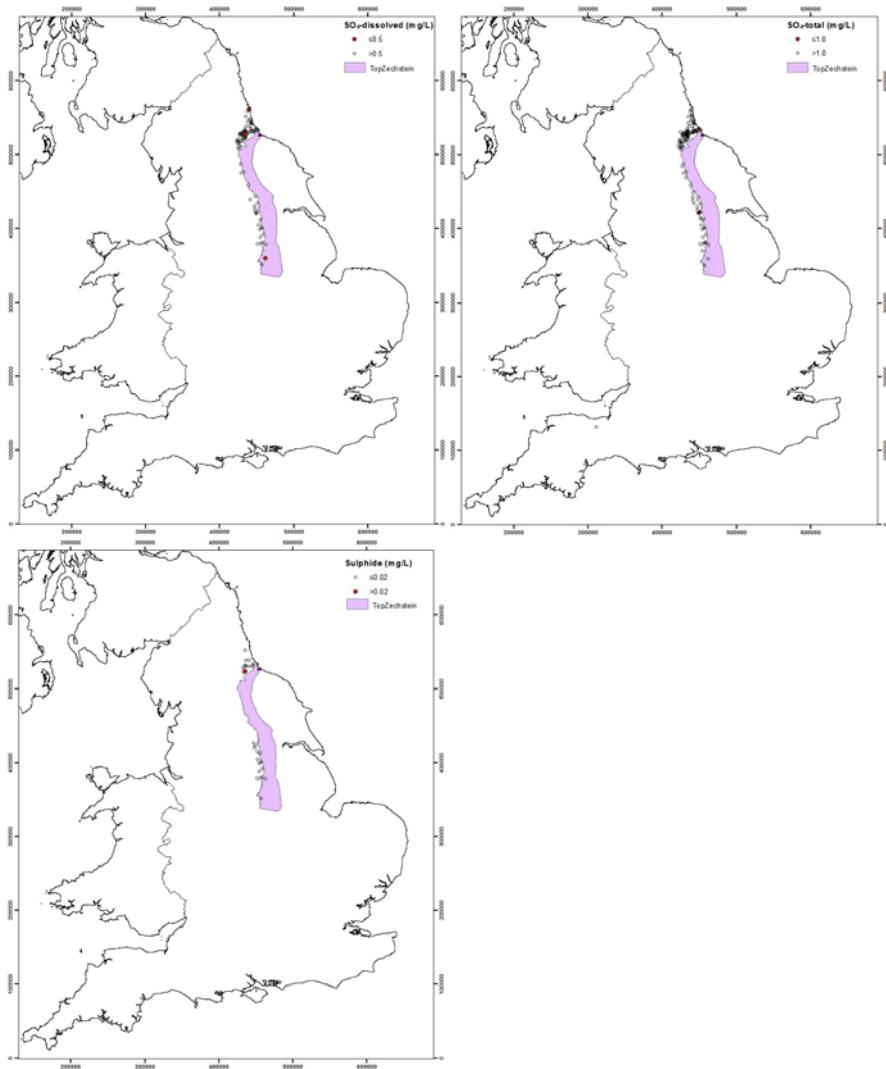
Trace metals



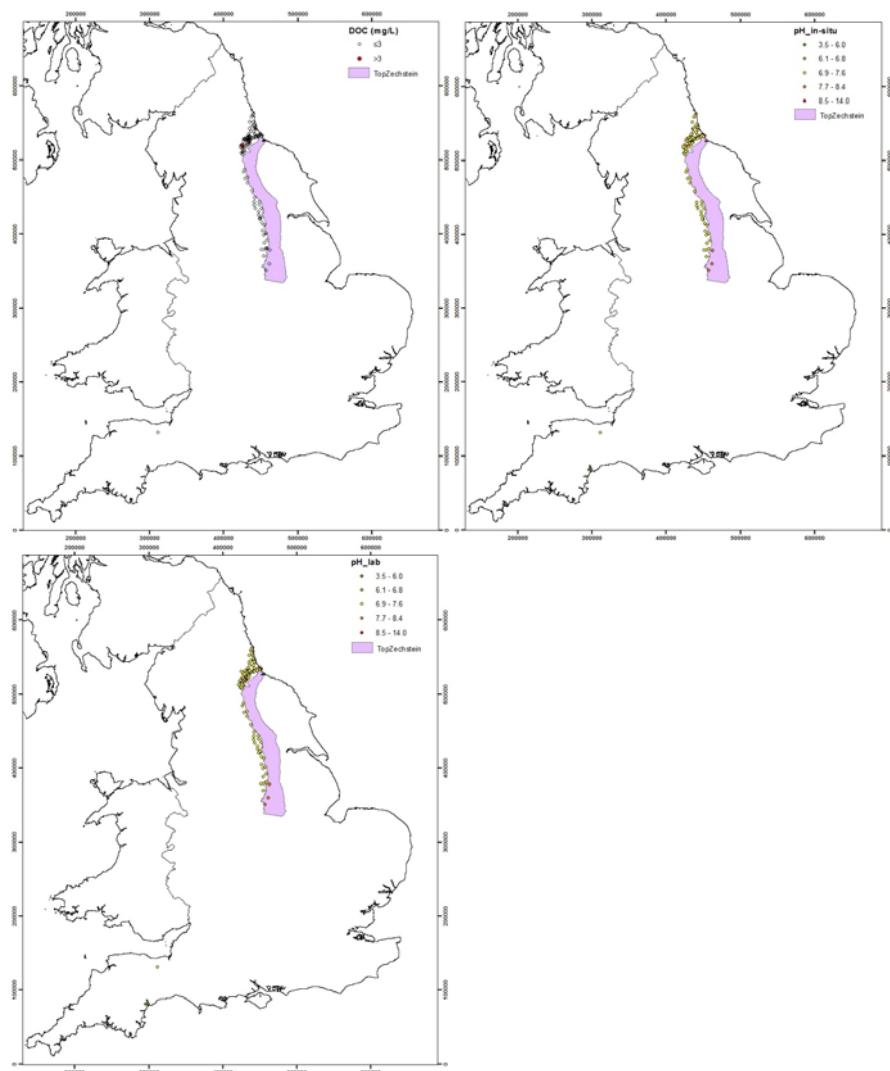


DO and S-species



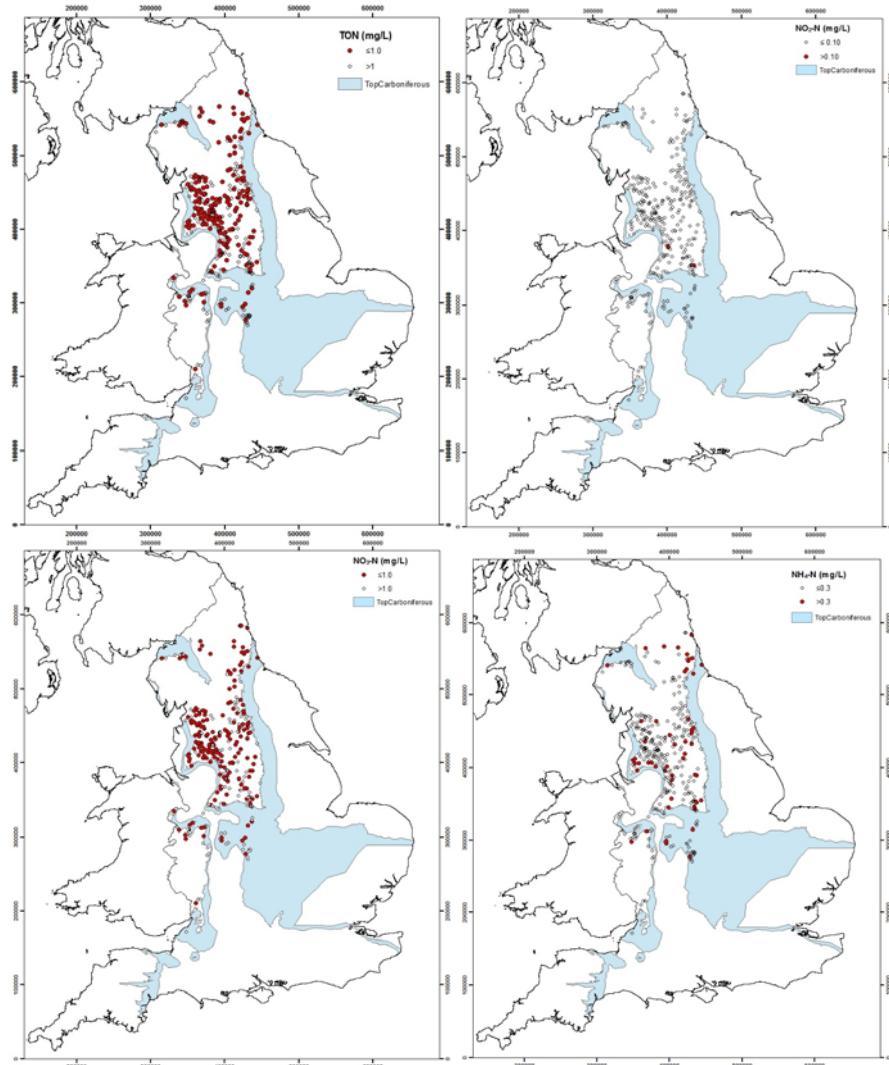


DOC and pH

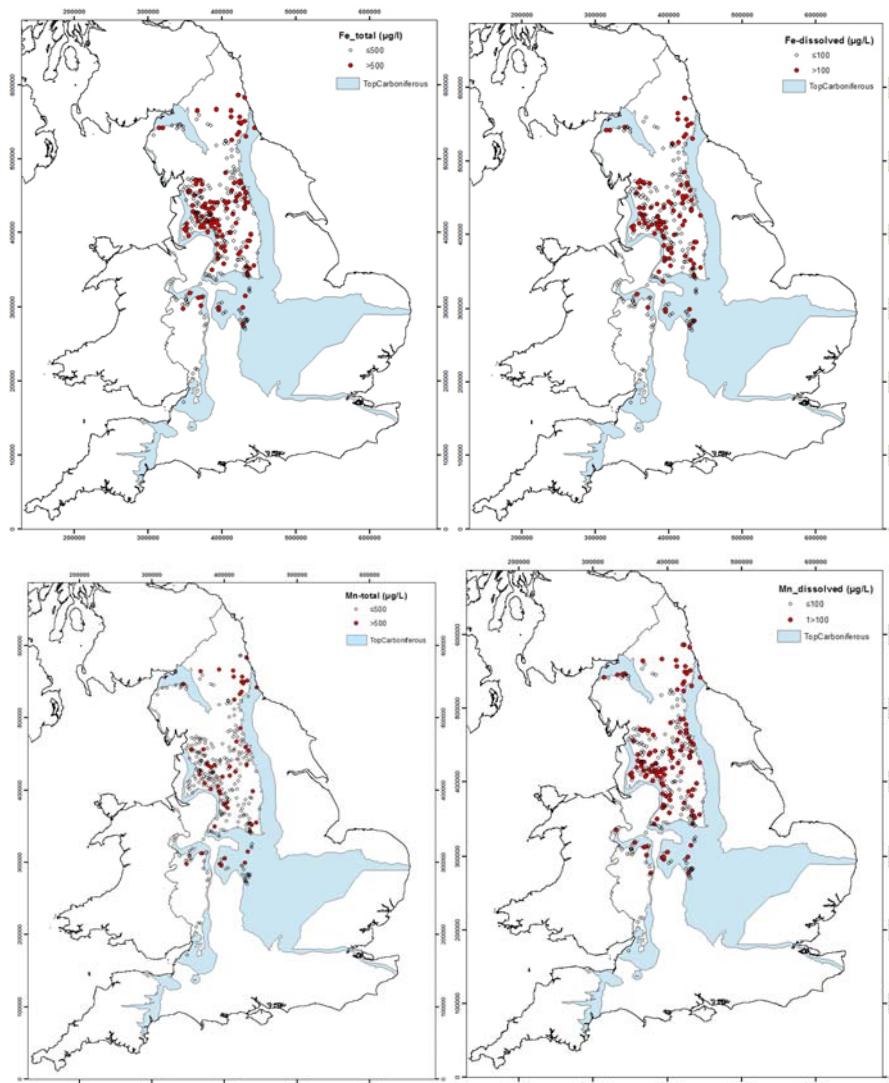


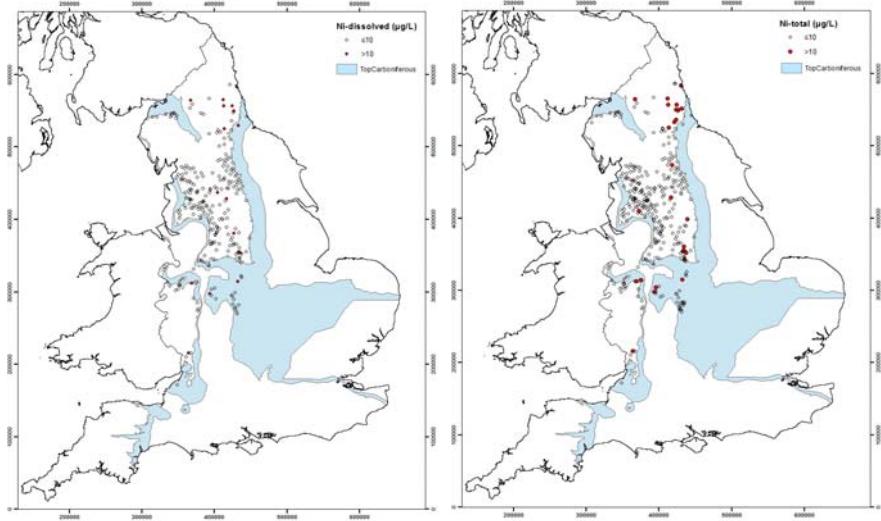
CARBONIFEROUS (COAL MEASURES AND MILLSTONE GRIT GROUPS)

N-species

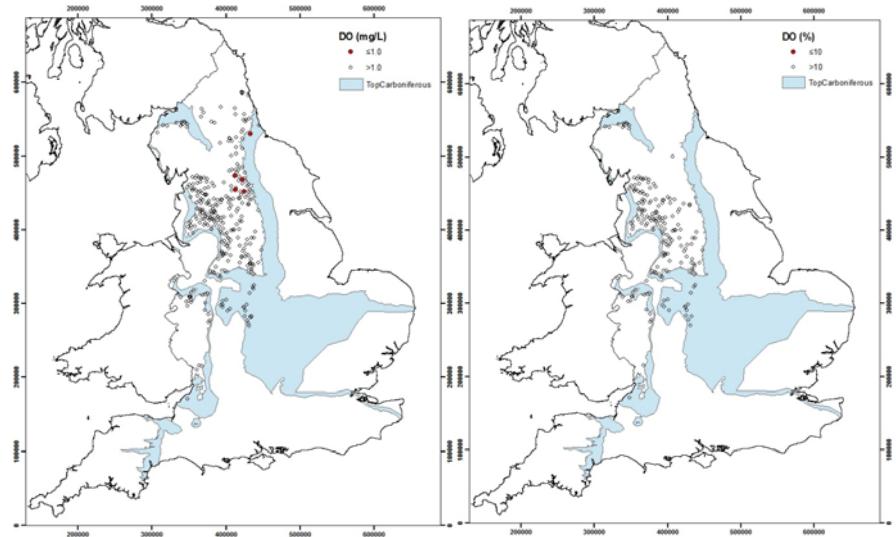


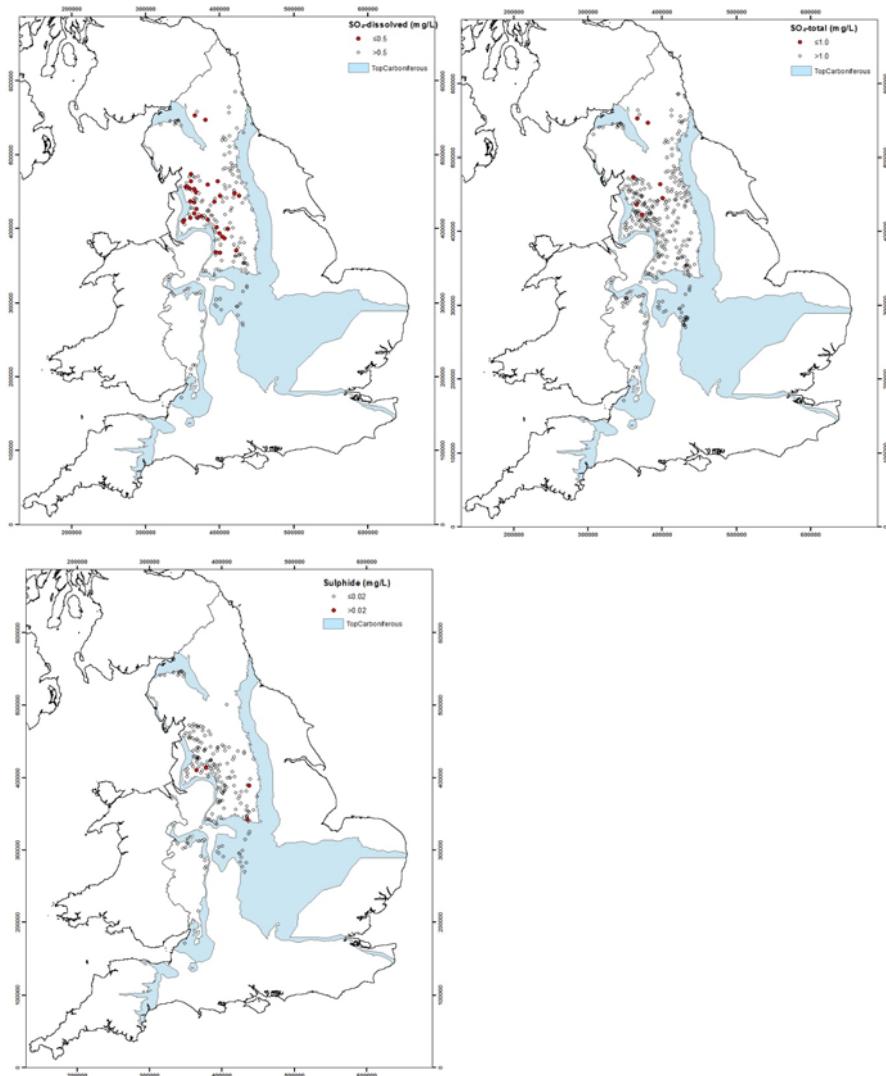
Trace metals



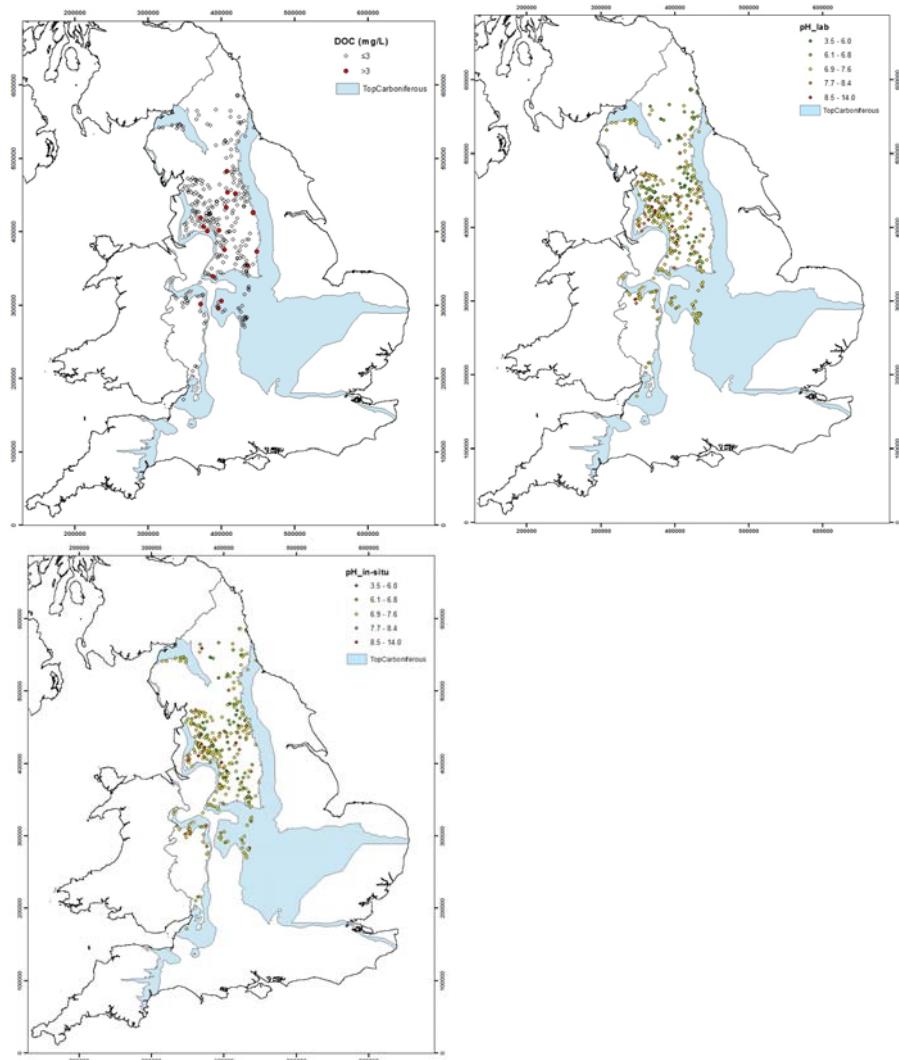


DO and S-species

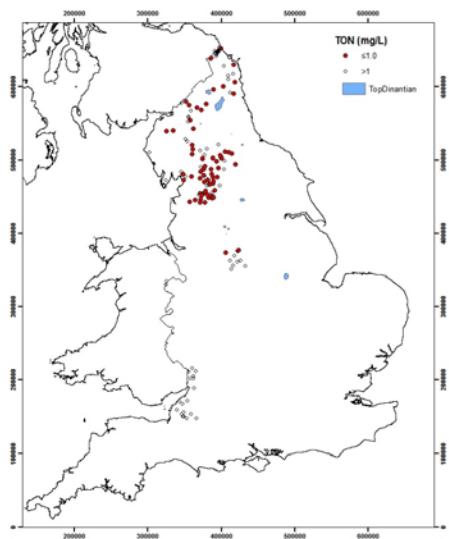




DOC and pH



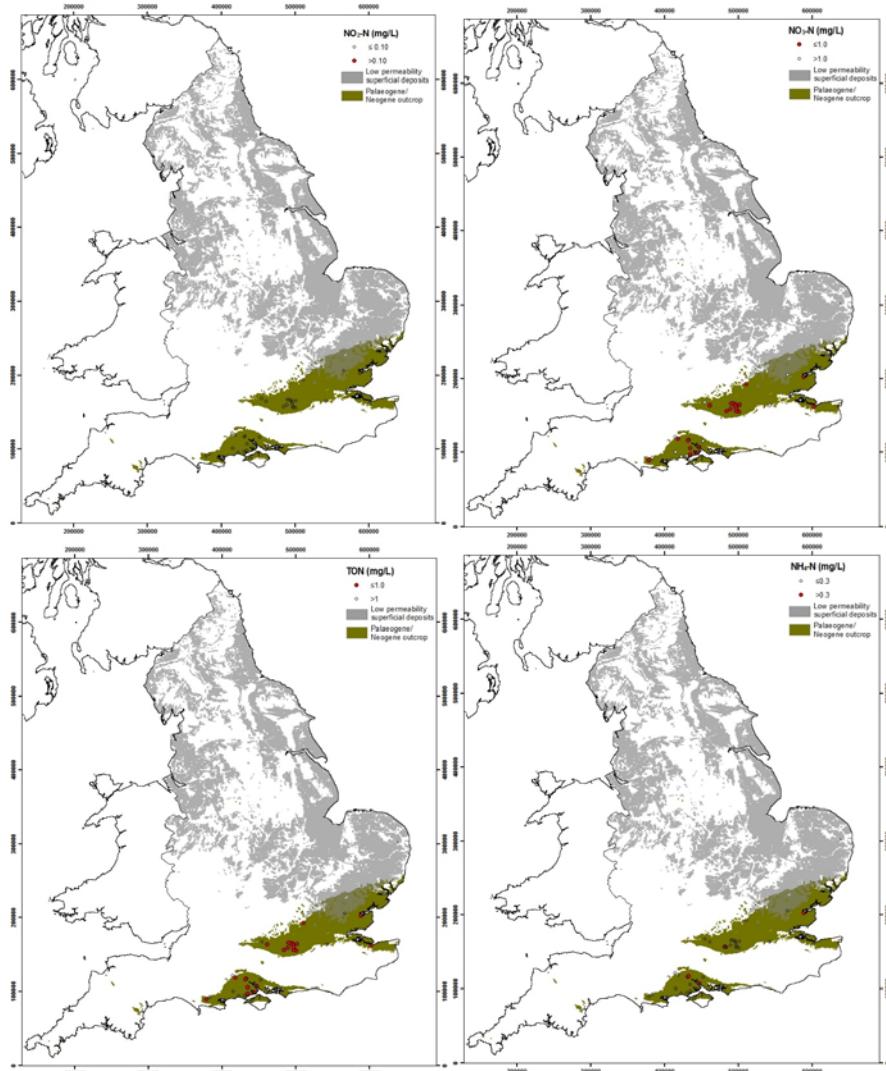
DINANTIAN (LOWER CARBONIFEROUS)



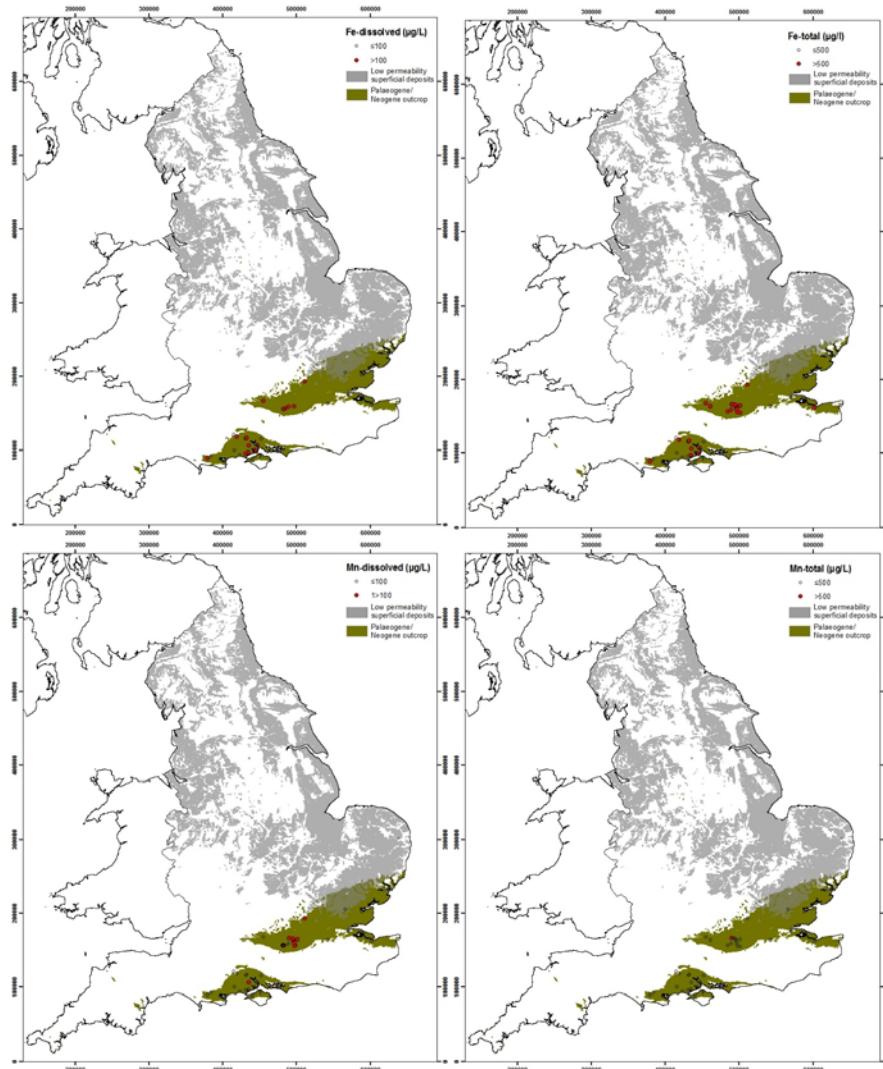
A2.2 LOW PERMEABILITY SUPERFICIAL DEPOSITS ON AQUIFER OUTCROP

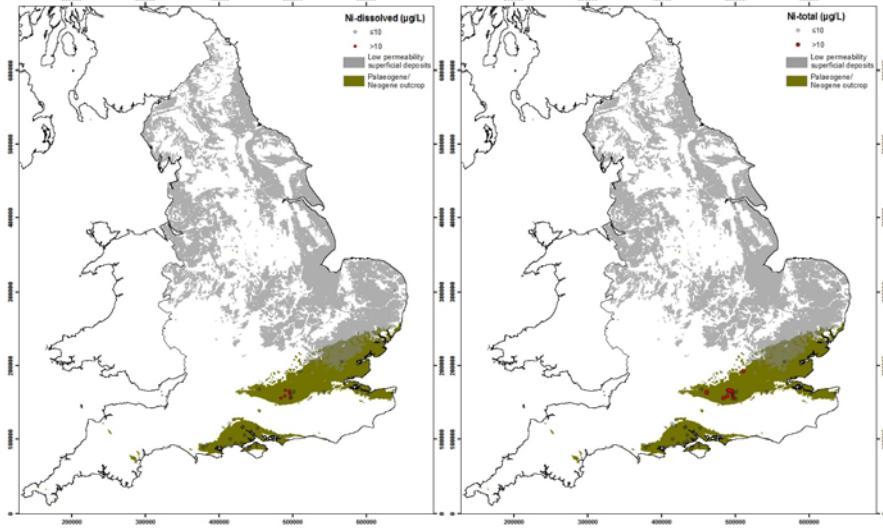
PALAEOGENE

N species

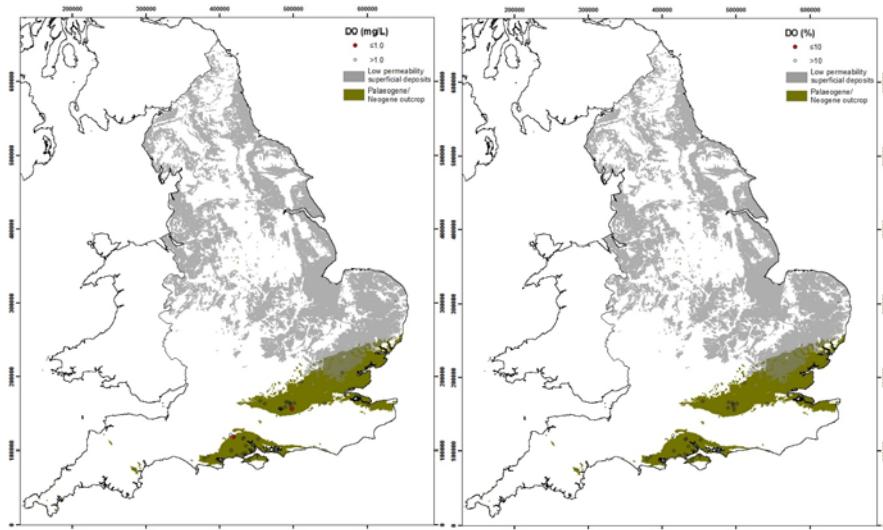


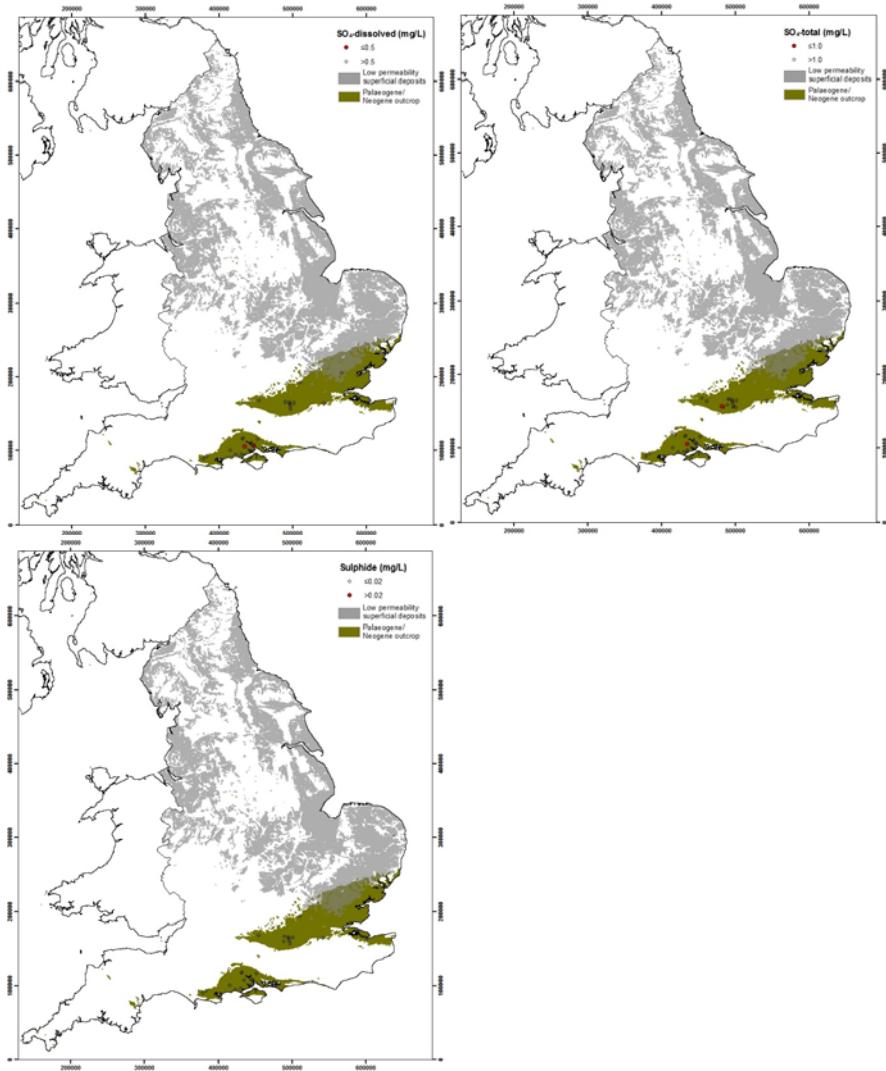
Trace metals



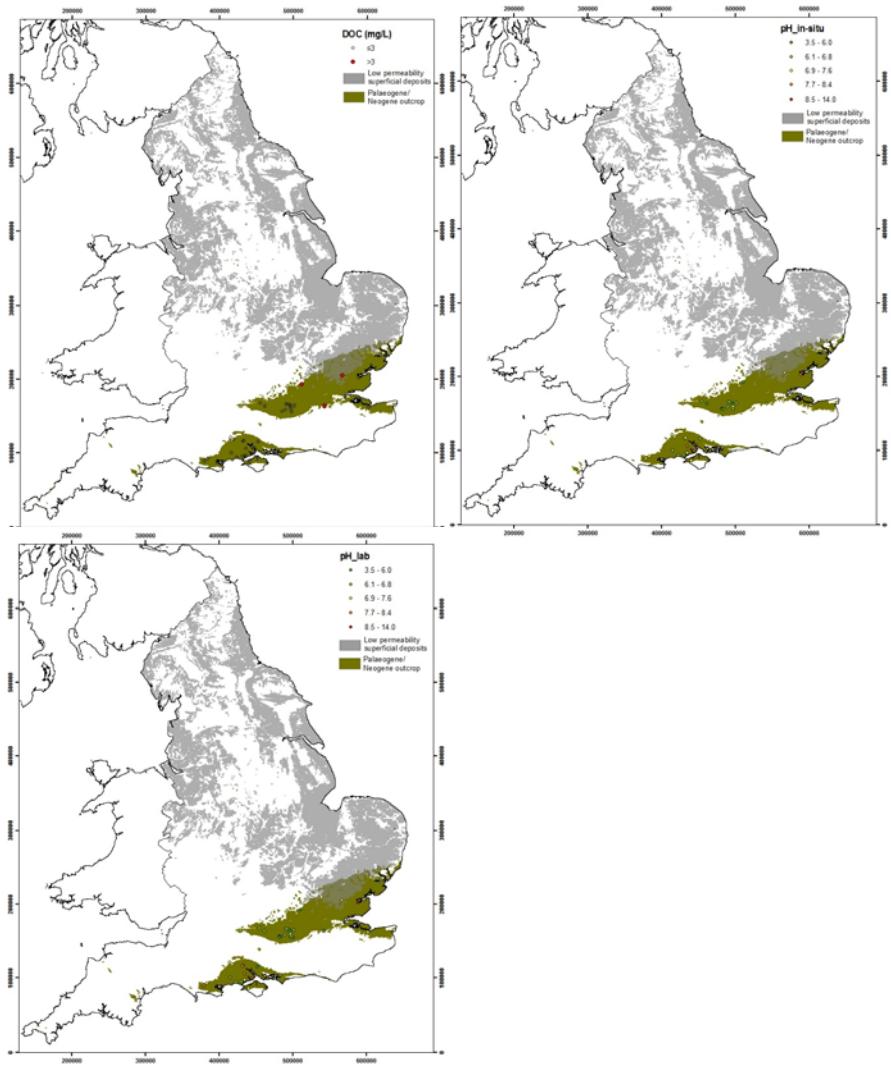


Oxygen and S species



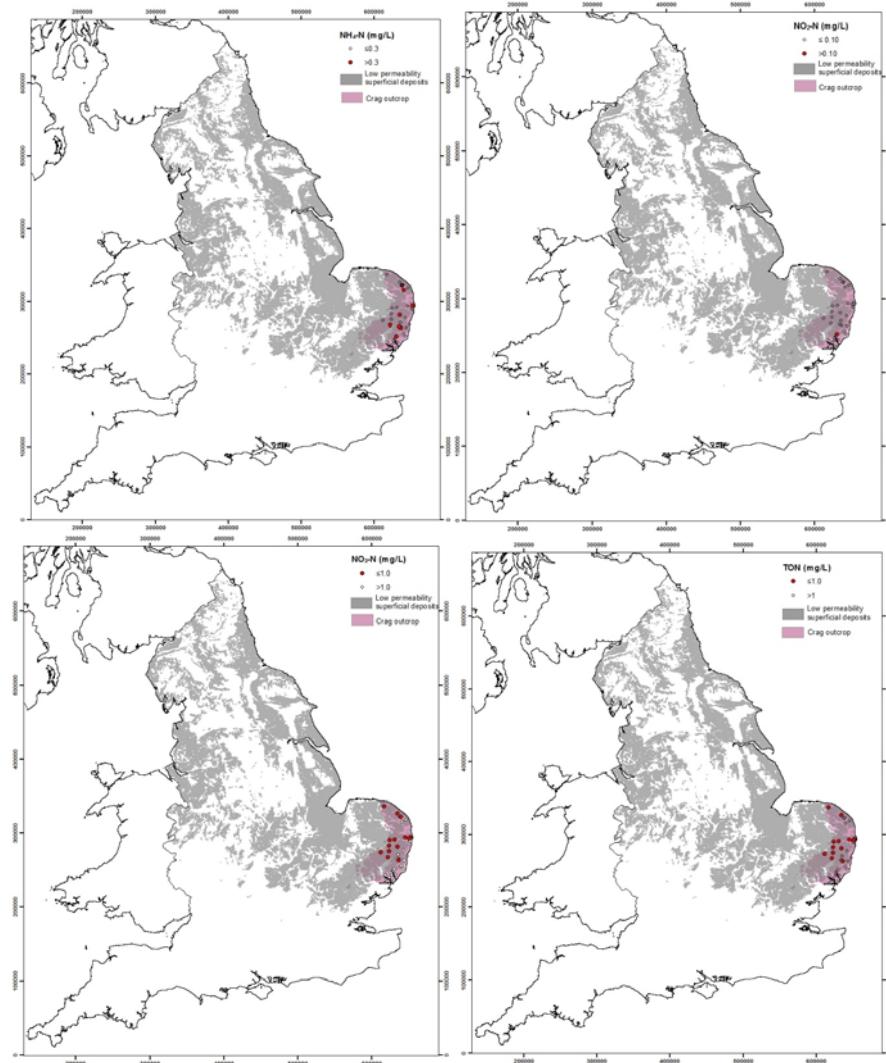


DOC and pH

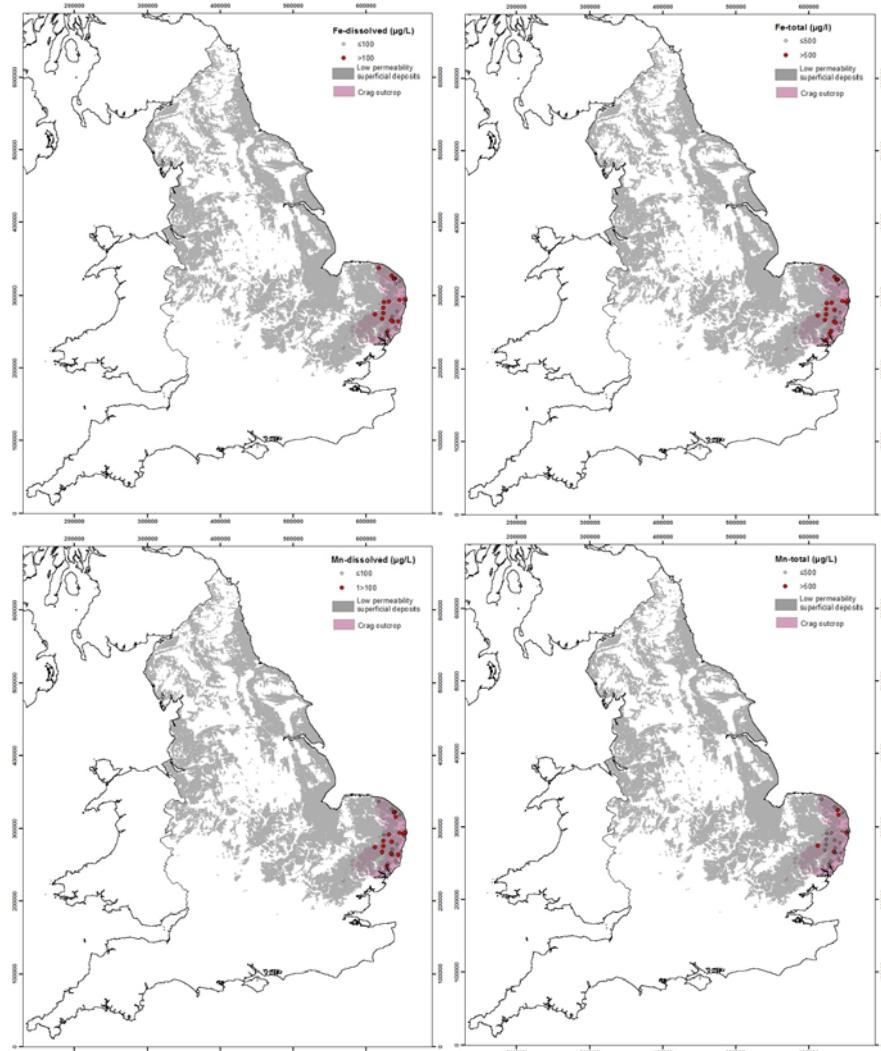


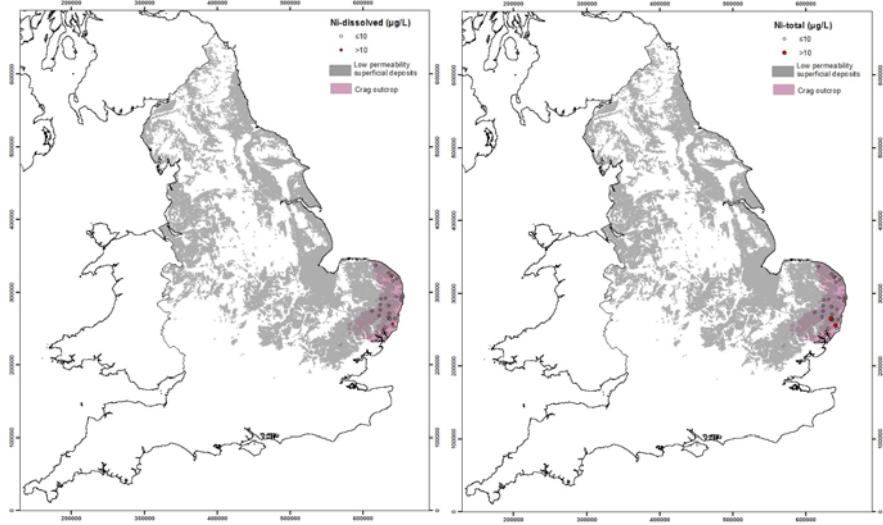
CRAG

N species

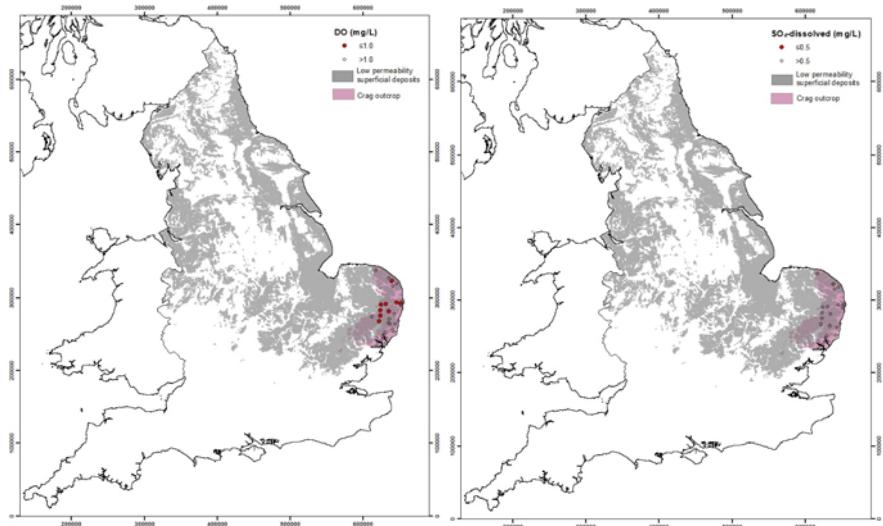


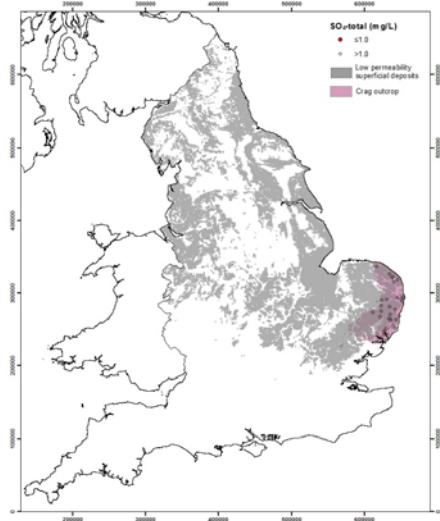
Trace metals



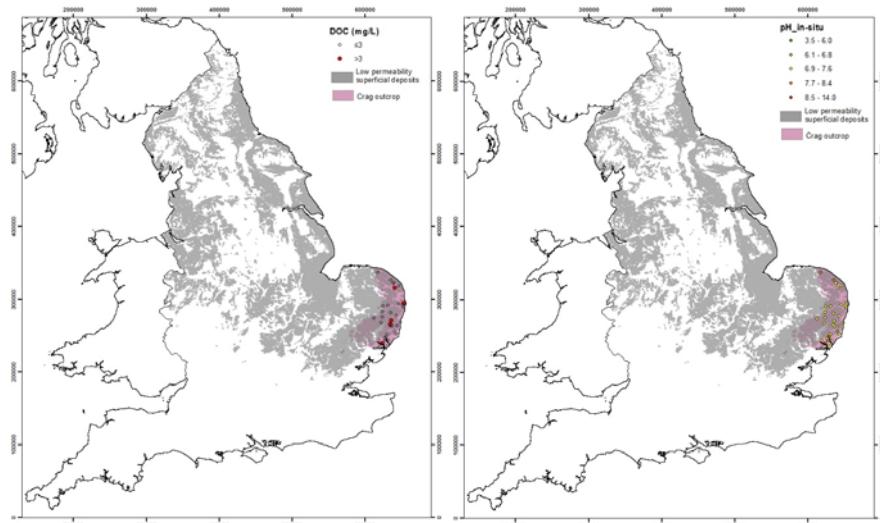


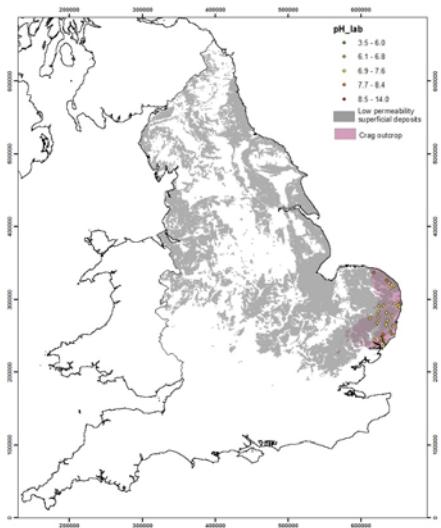
Oxygen and S species





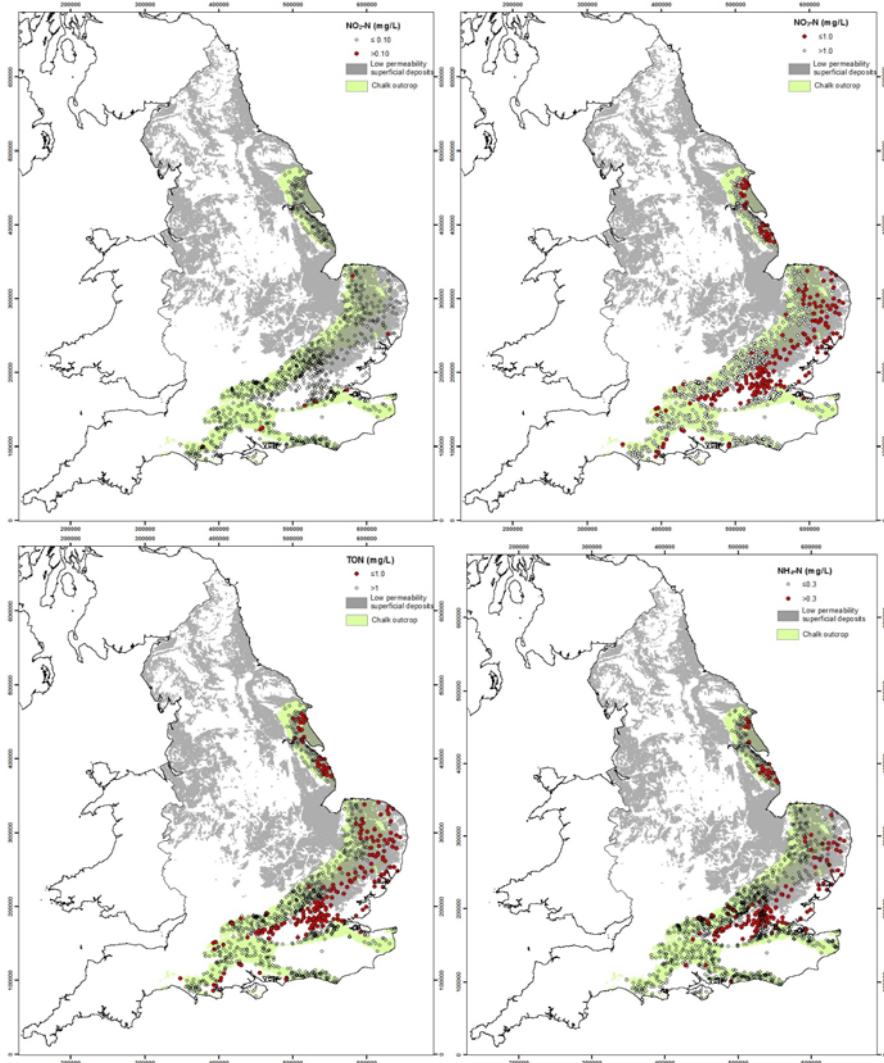
DOC and pH



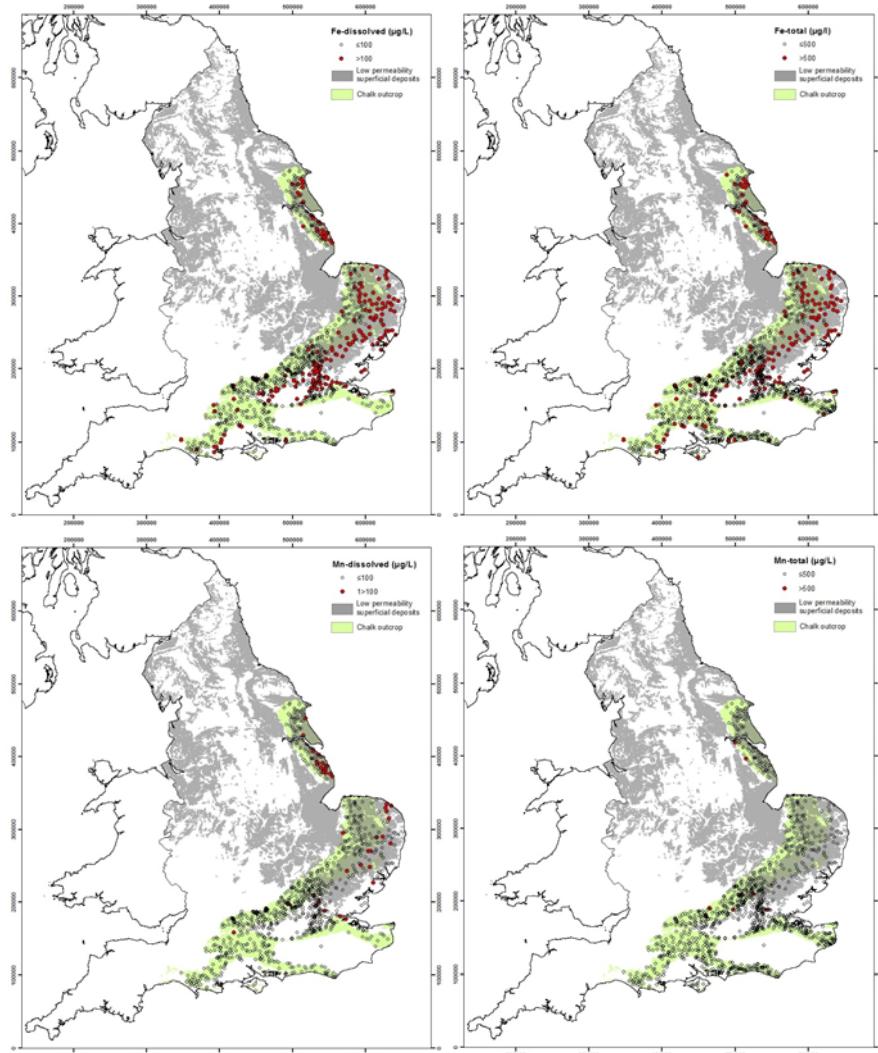


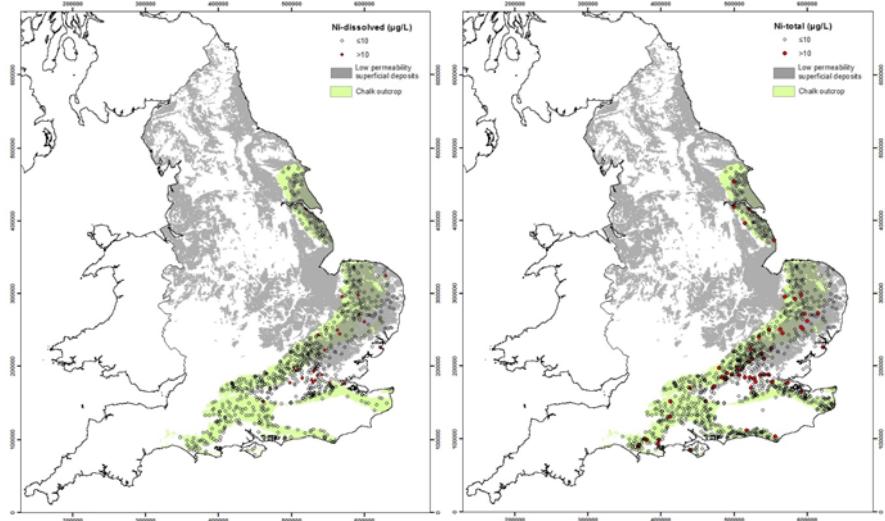
CHALK

N species

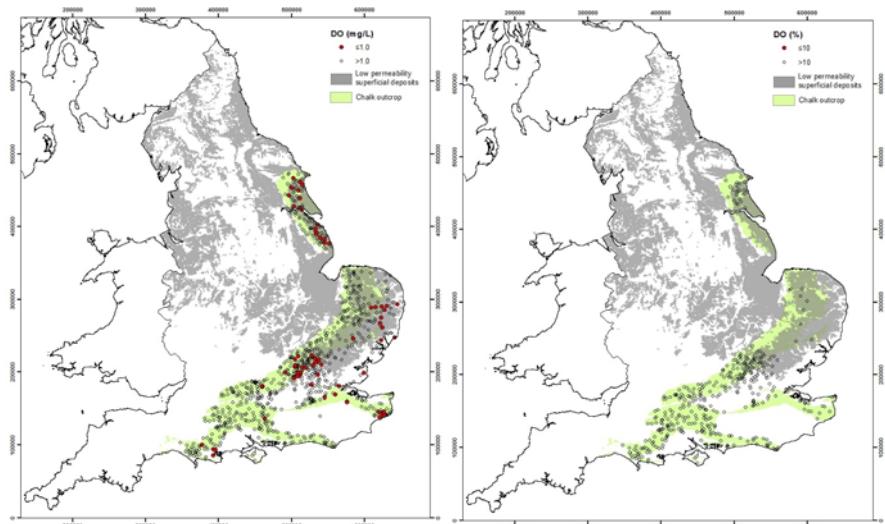


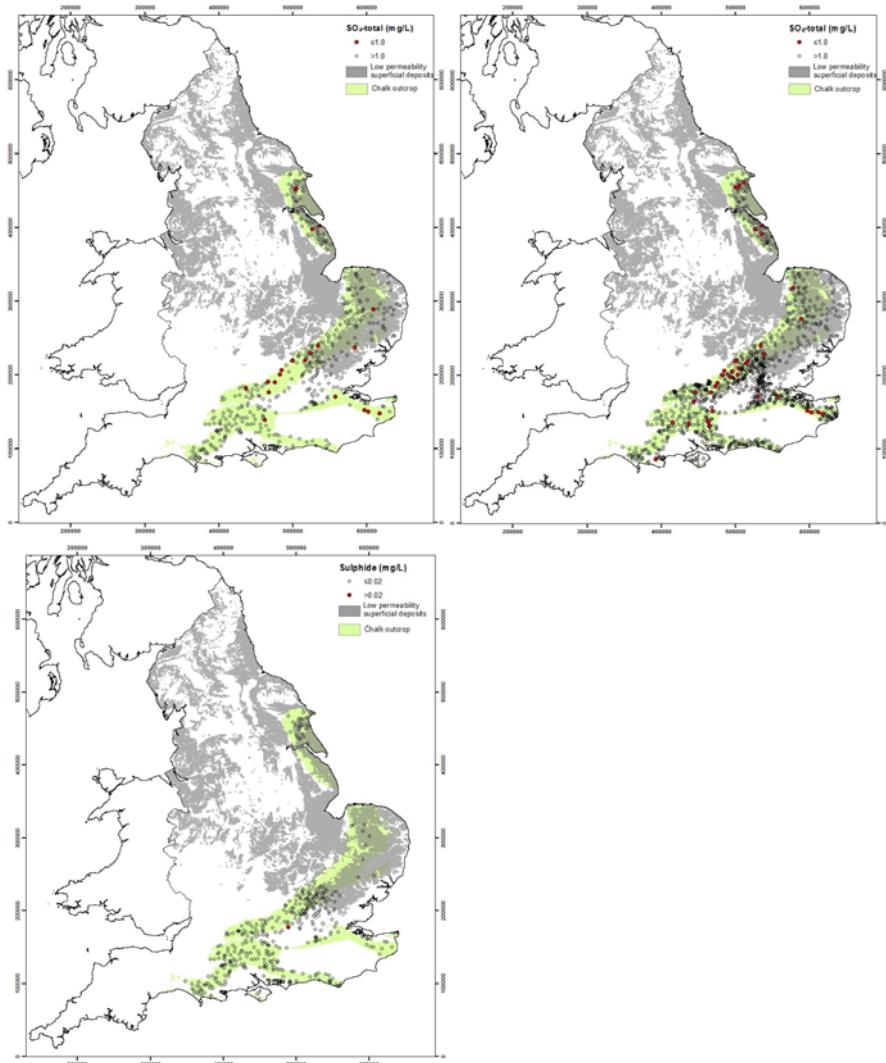
Trace metals



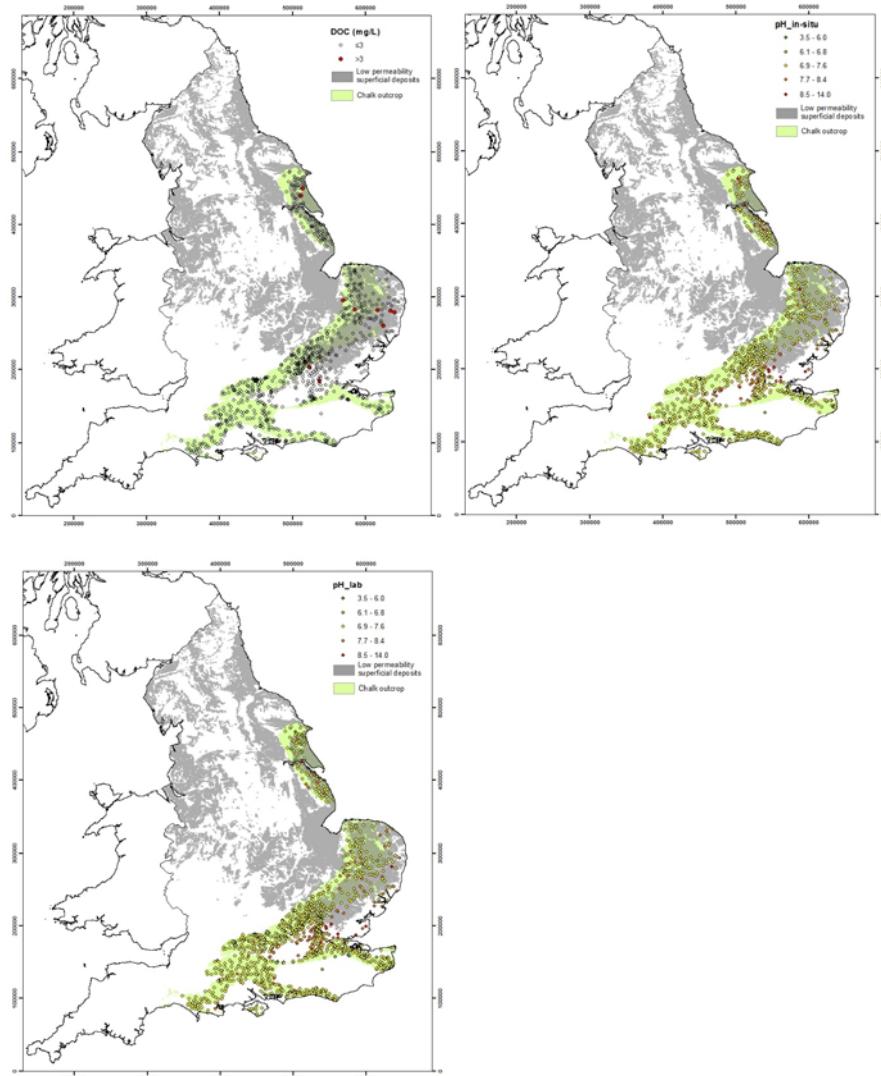


Oxygen and S species



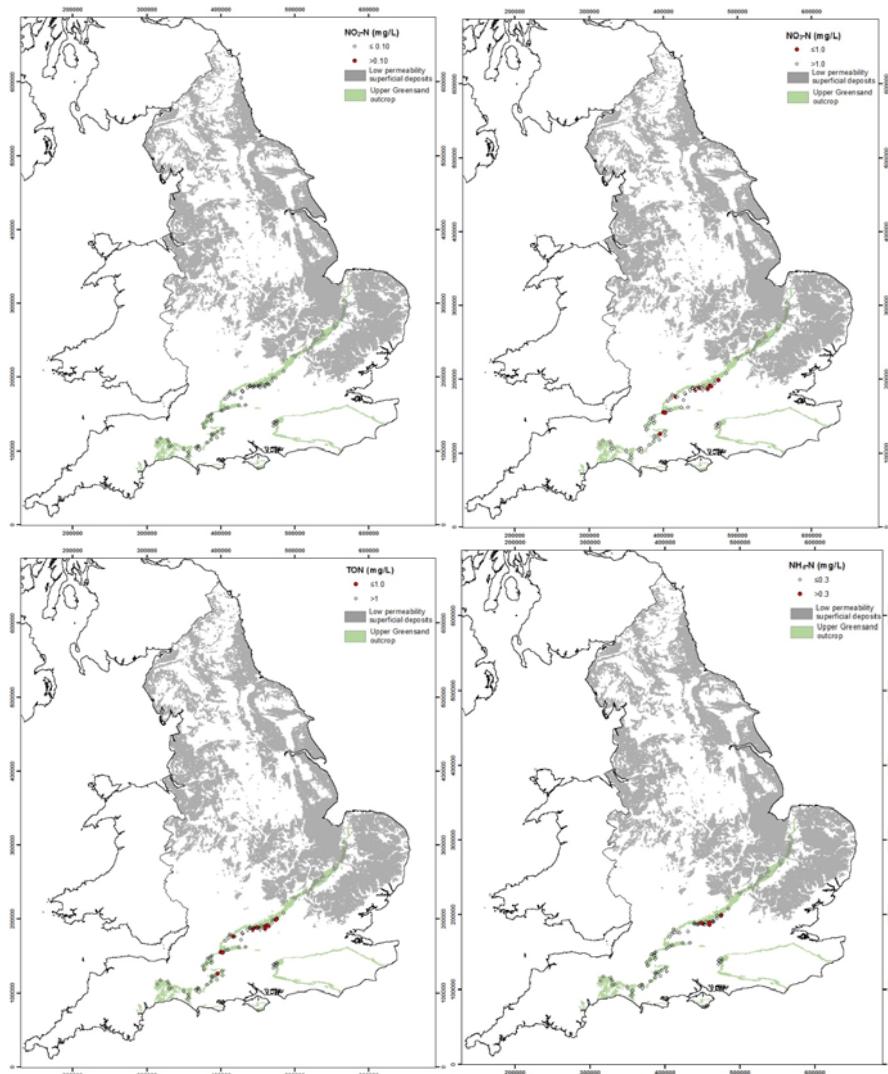


DOC and pH

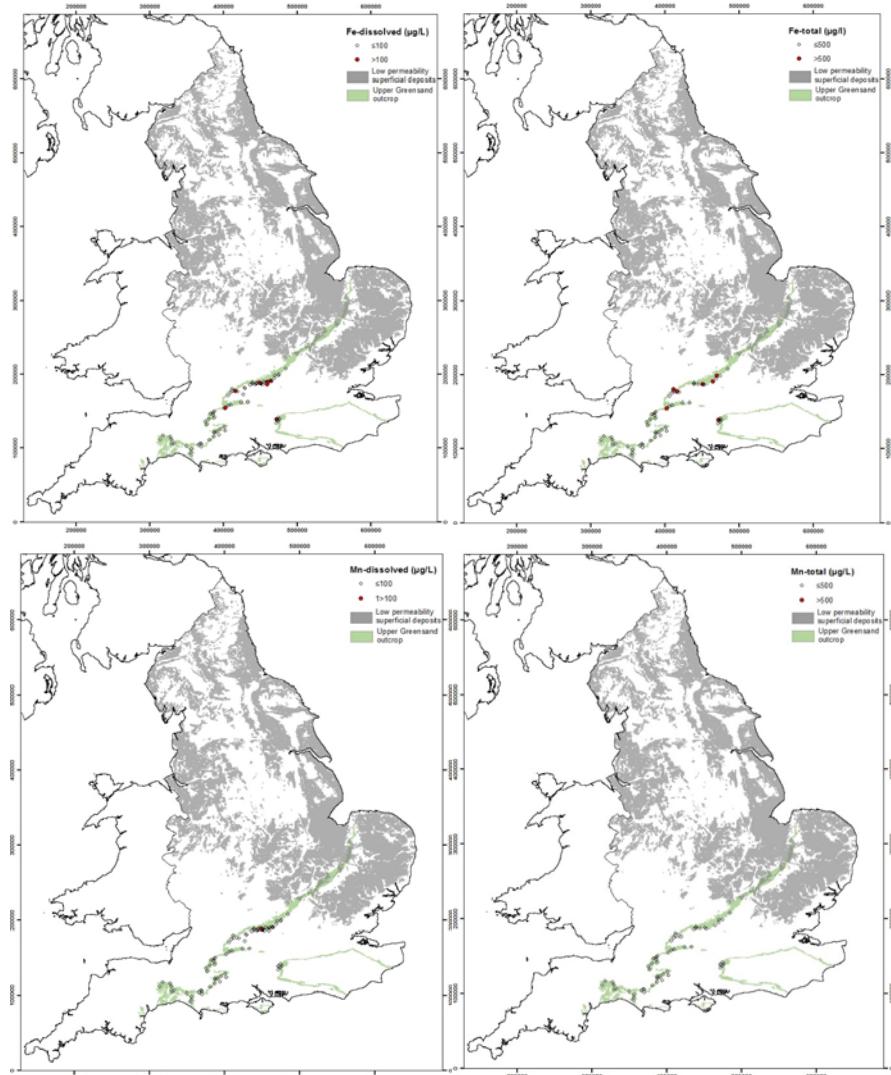


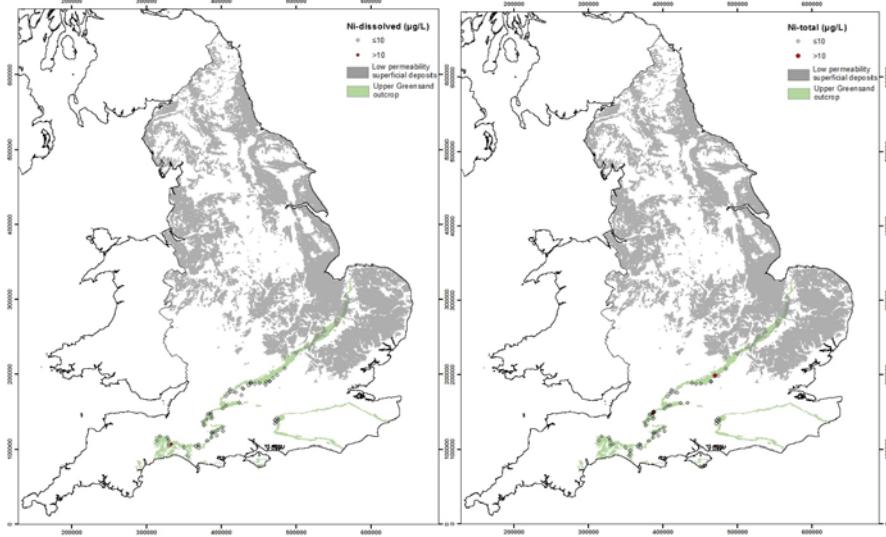
UPPER GREENSAND

N species

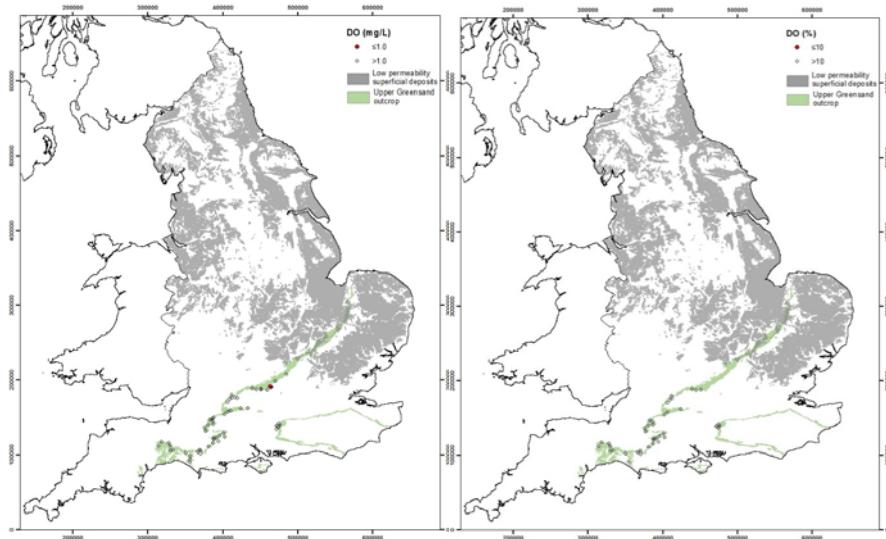


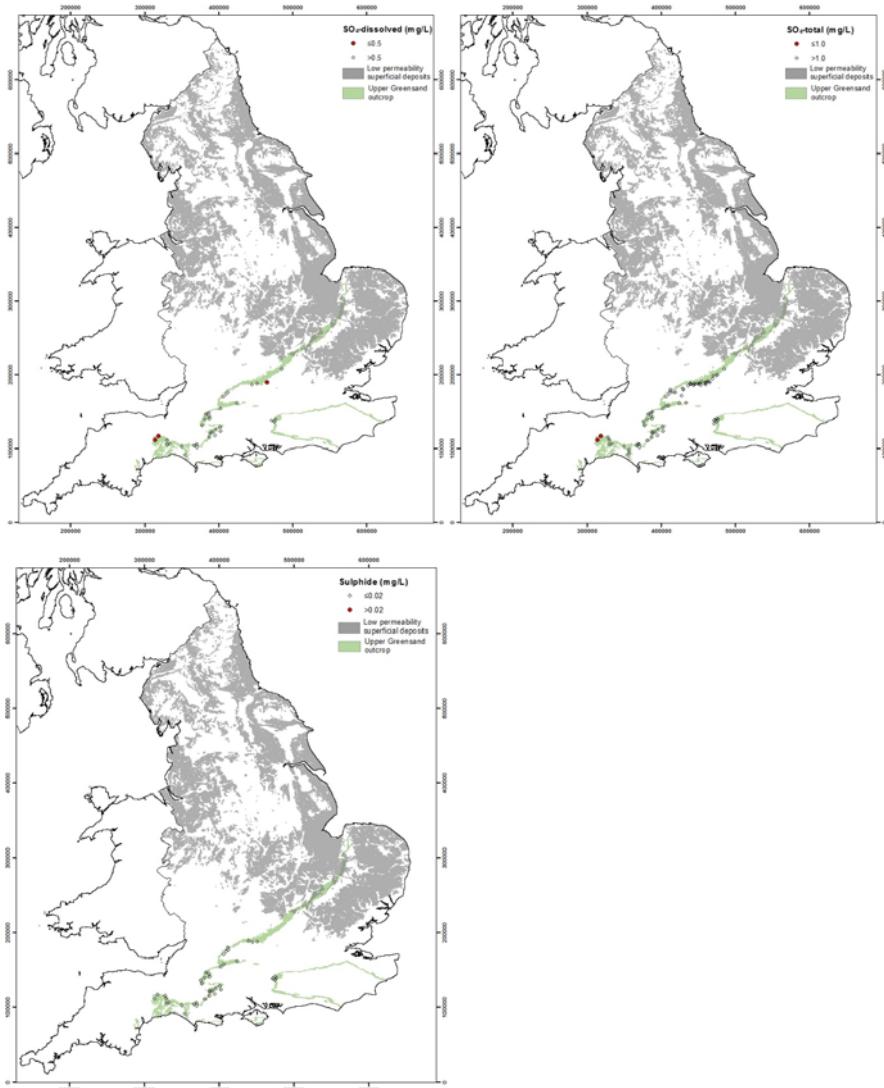
Trace metals



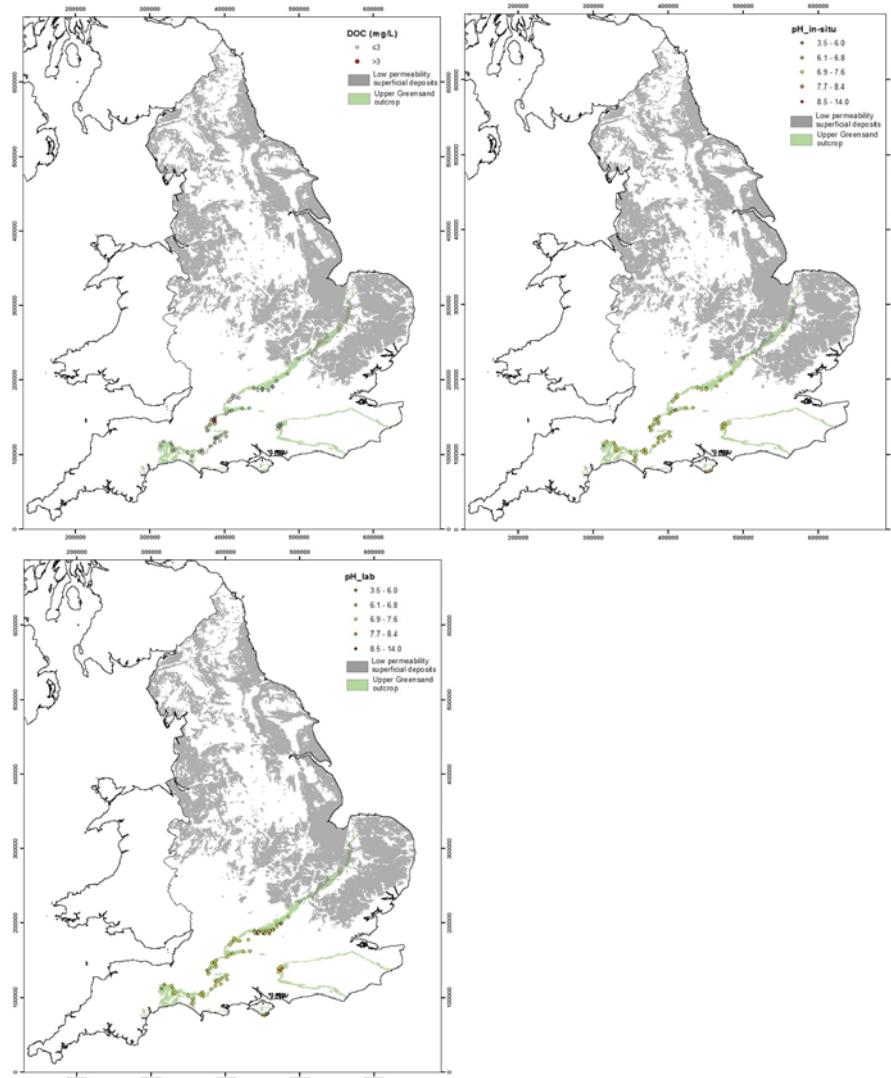


Oxygen and S species



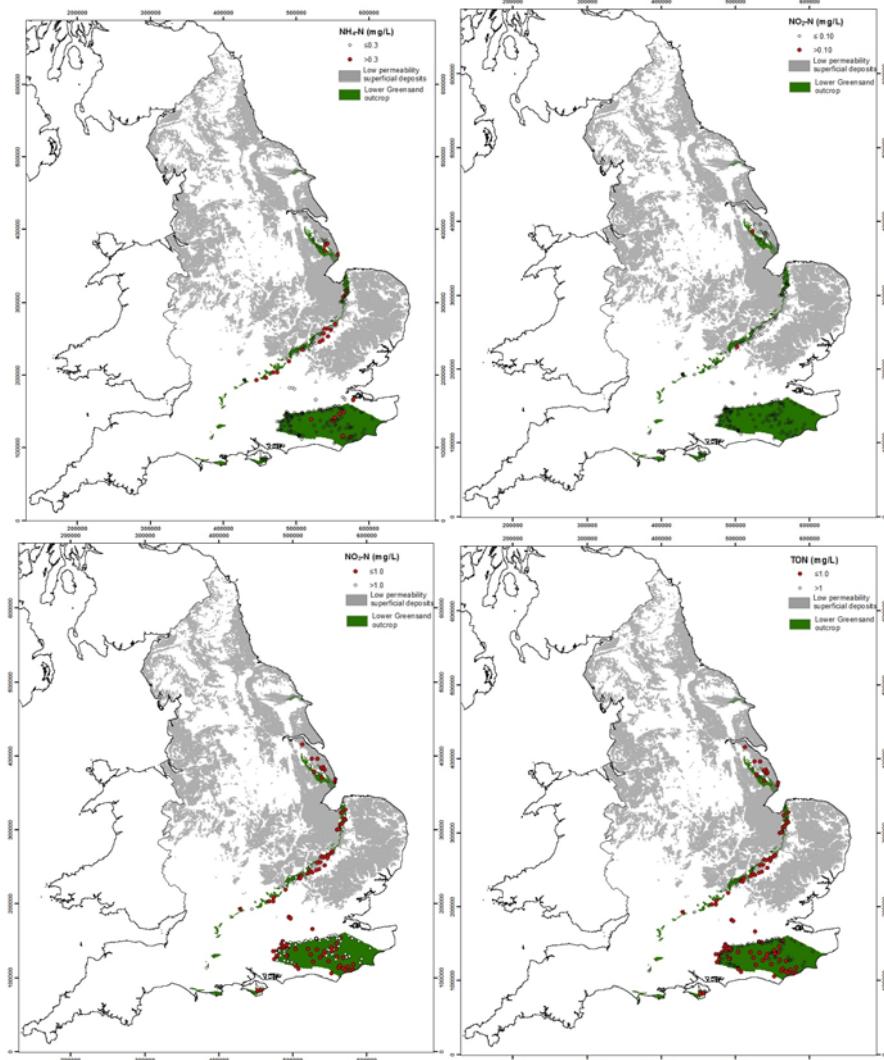


DOC and pH

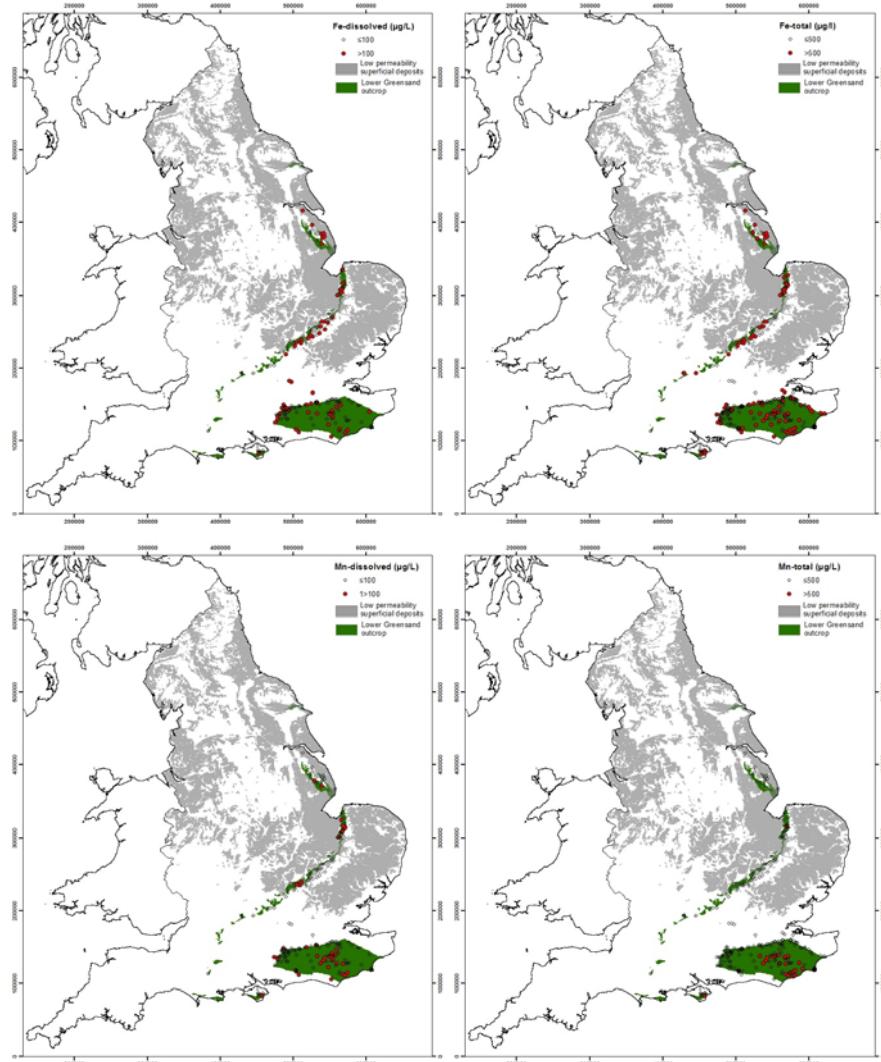


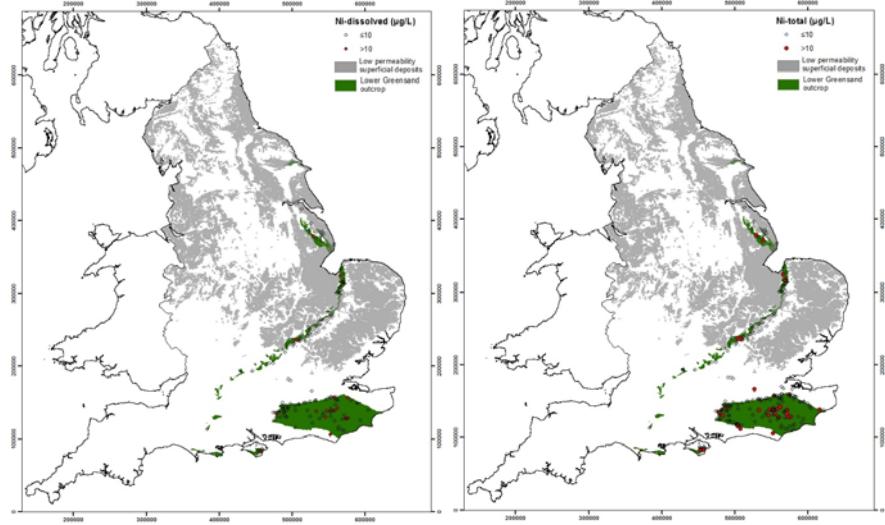
LOWER GREENSAND

N species

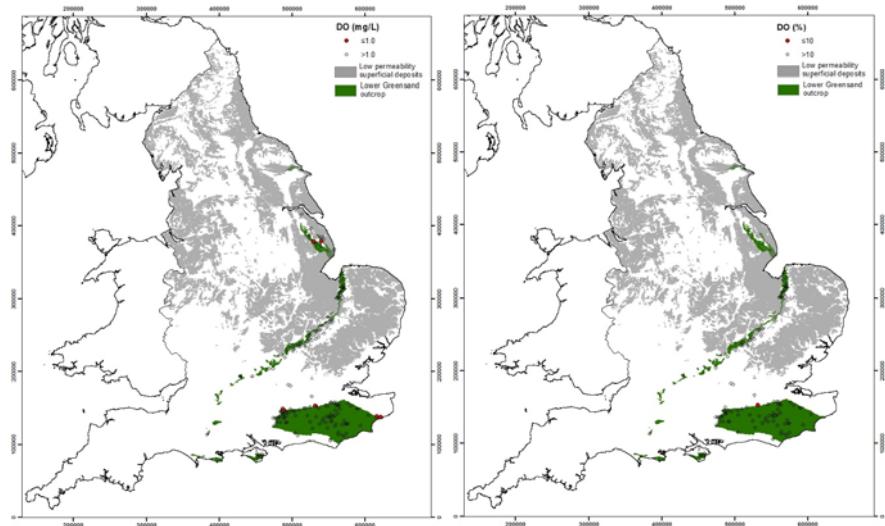


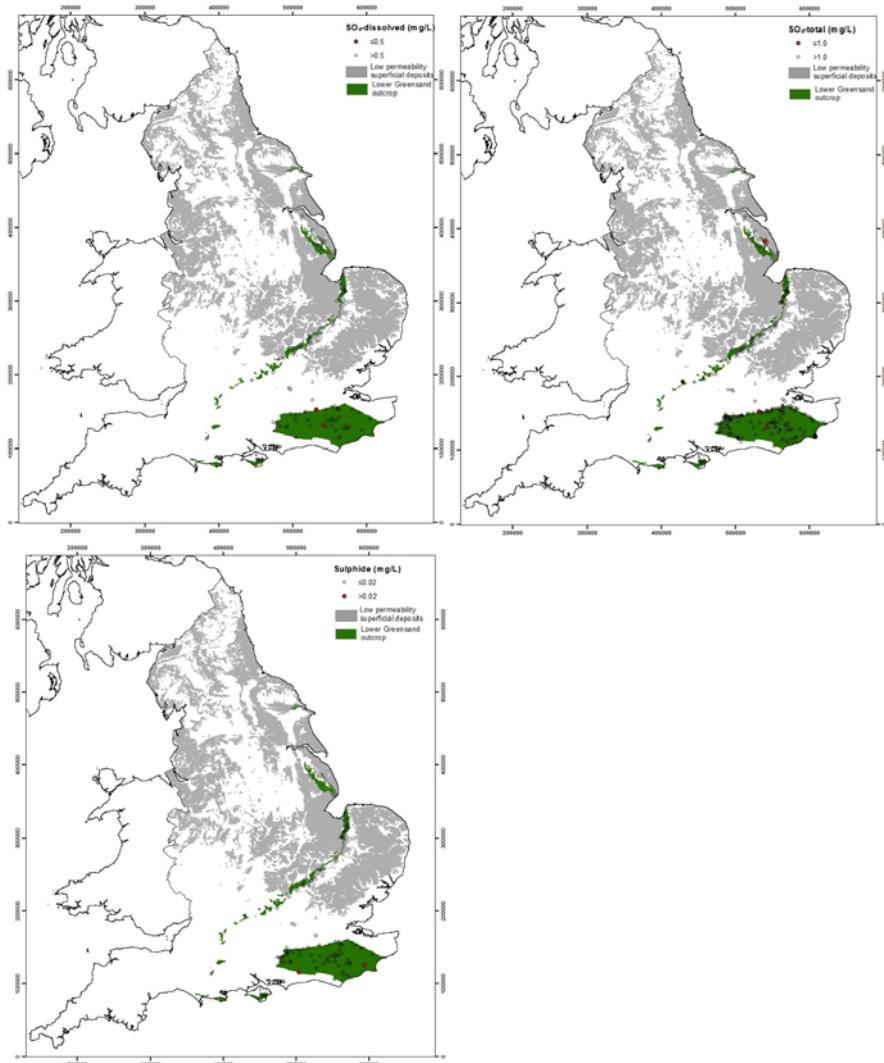
Trace metals



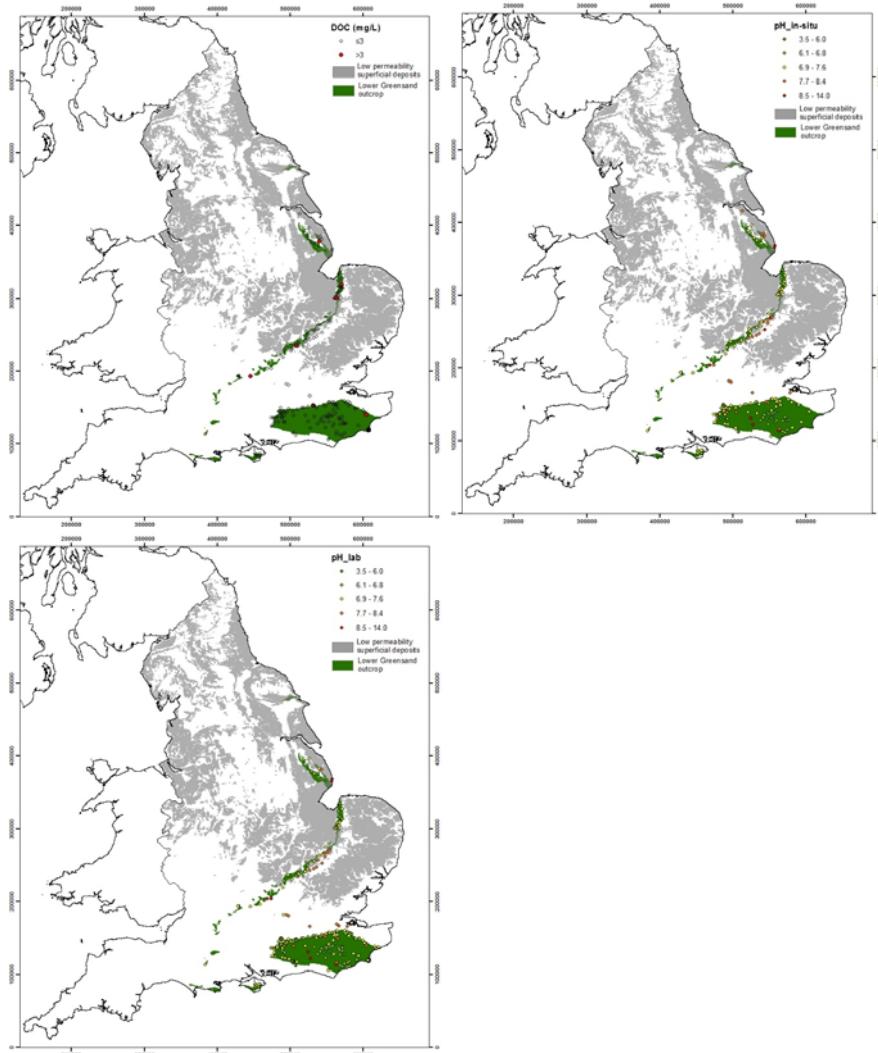


Oxygen and S species



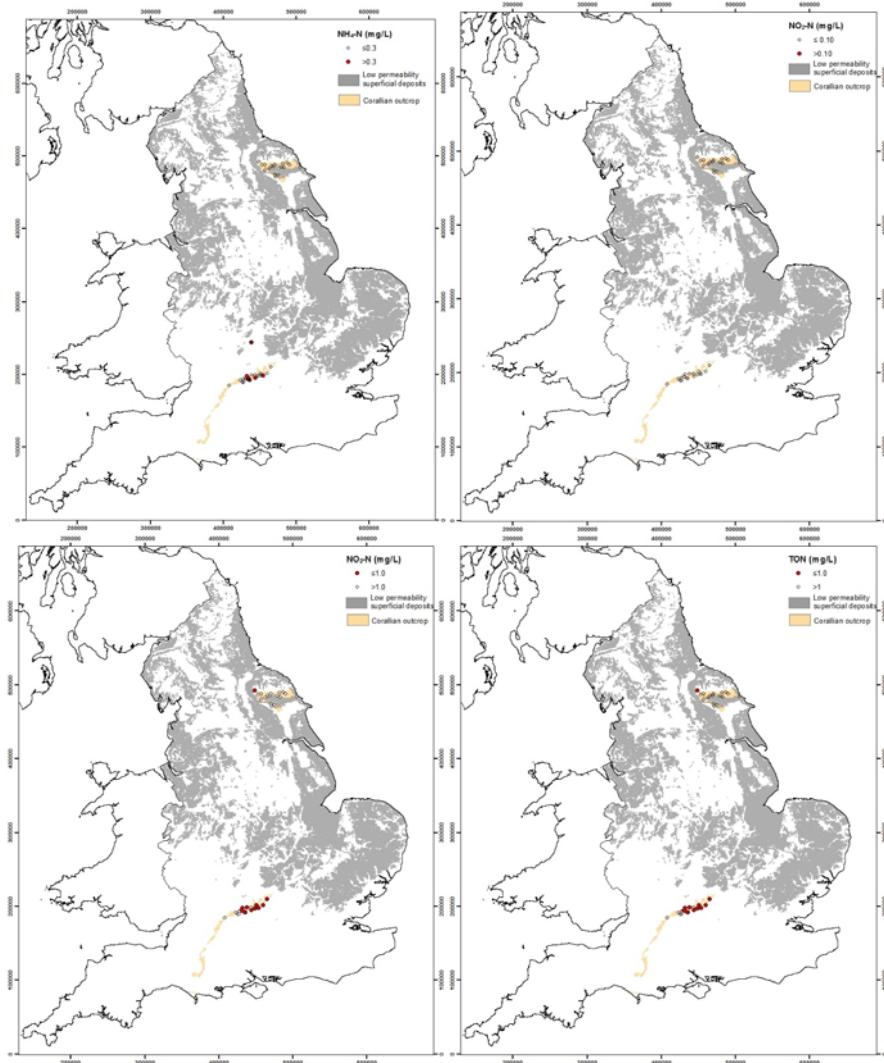


DOC and pH

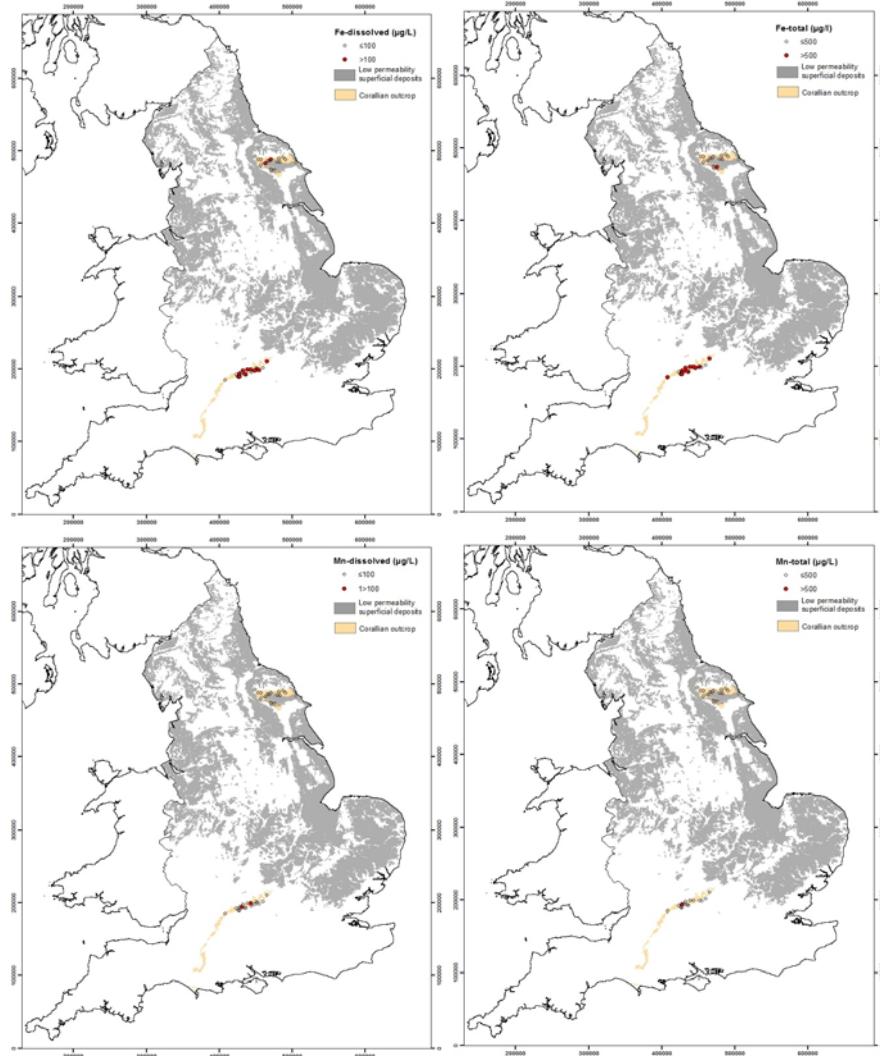


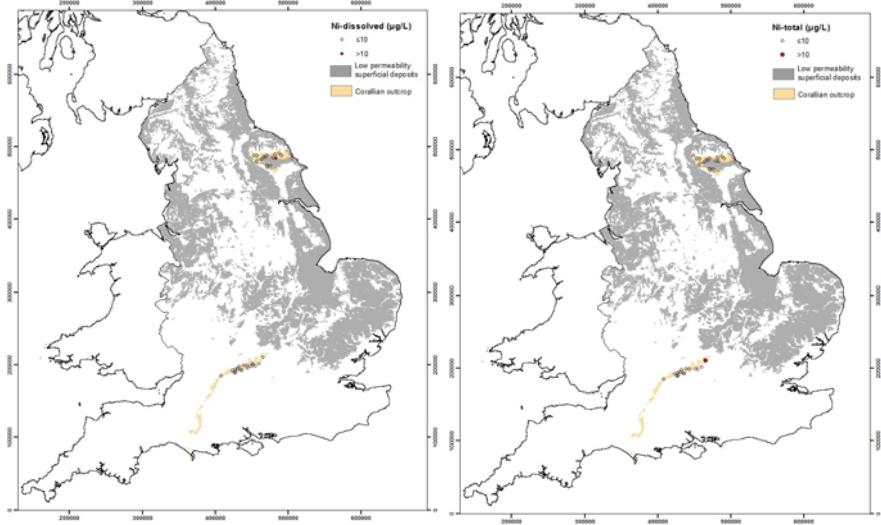
CORALLIAN

N species

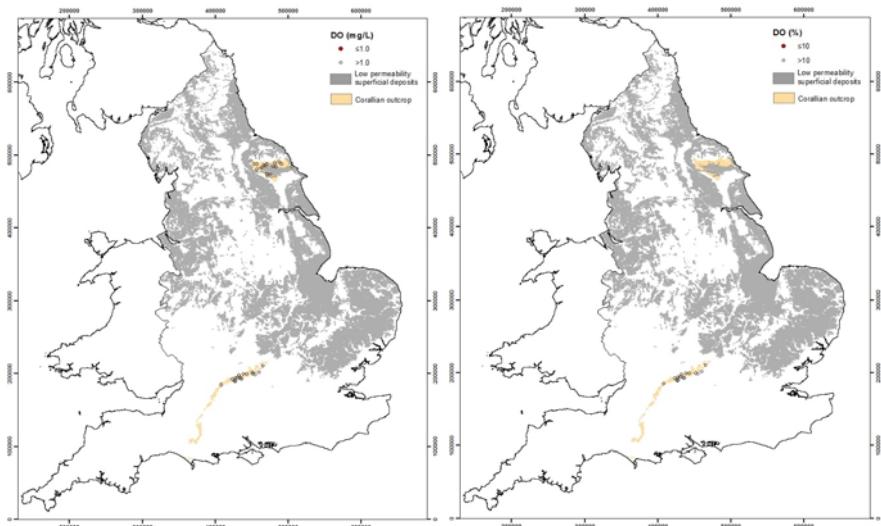


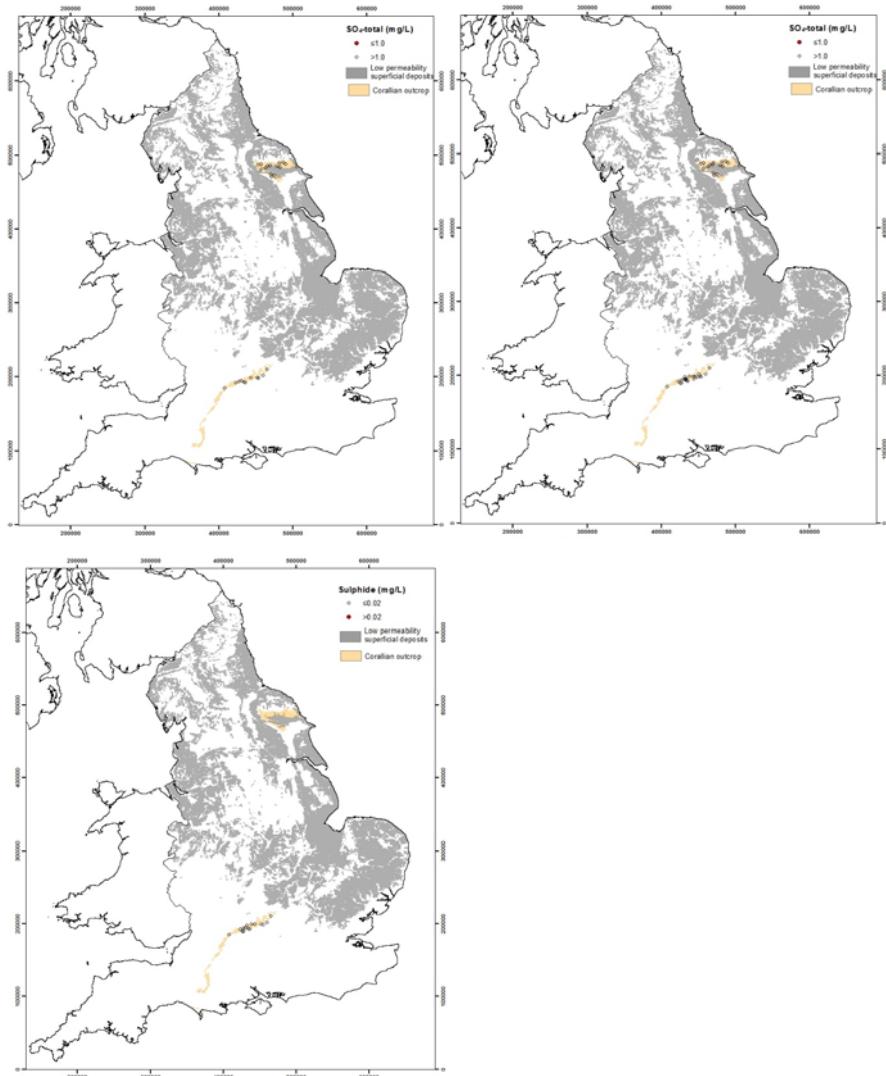
Trace metals



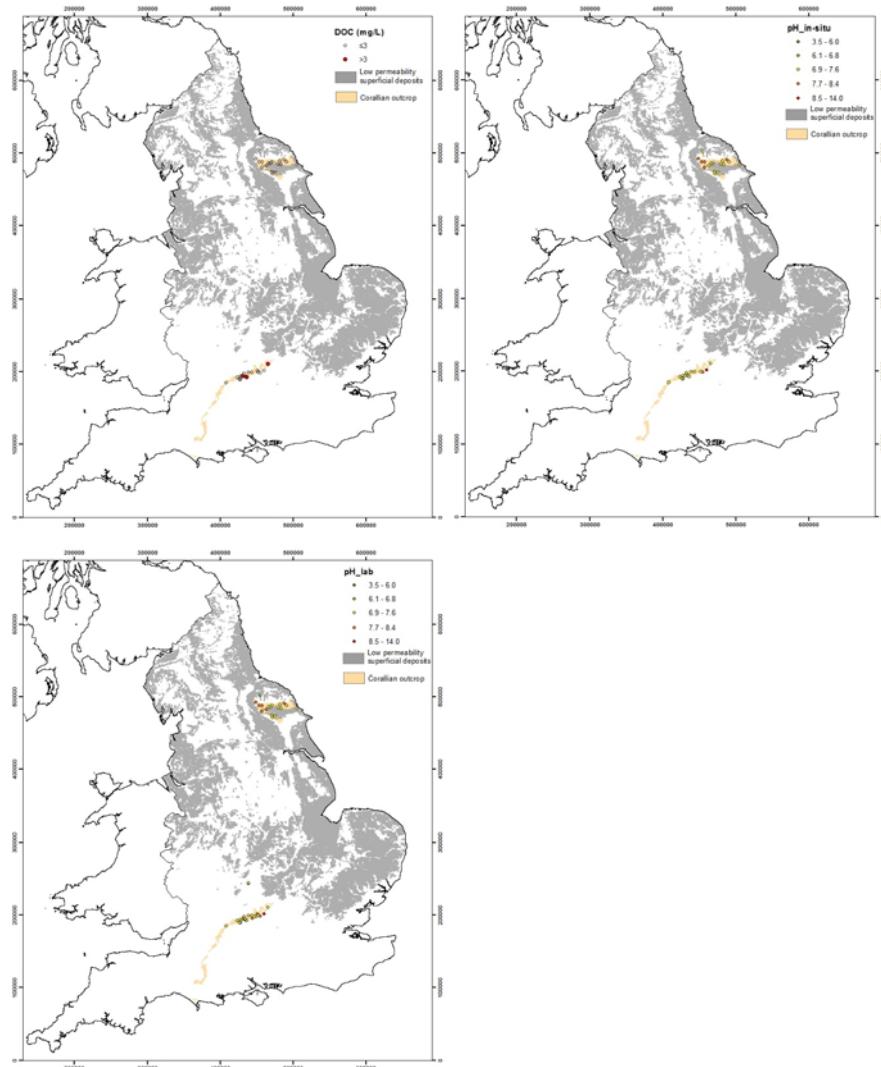


Oxygen and S species



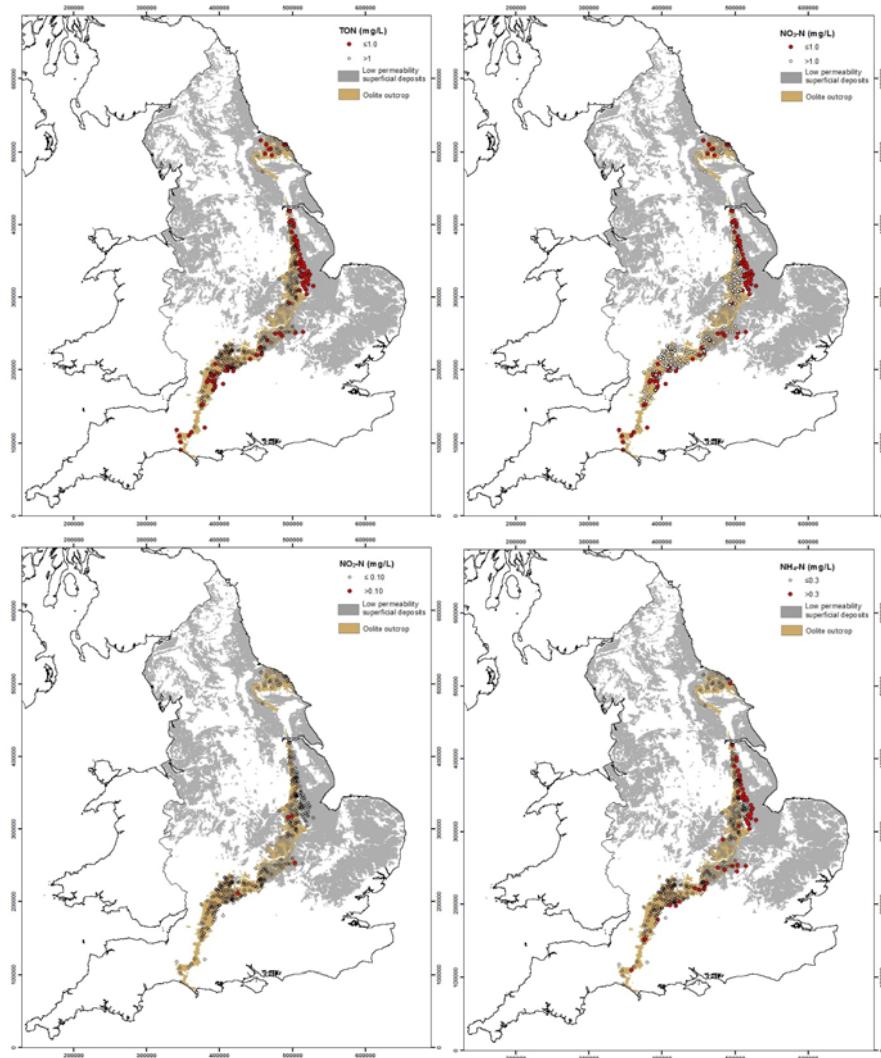


DOC and pH

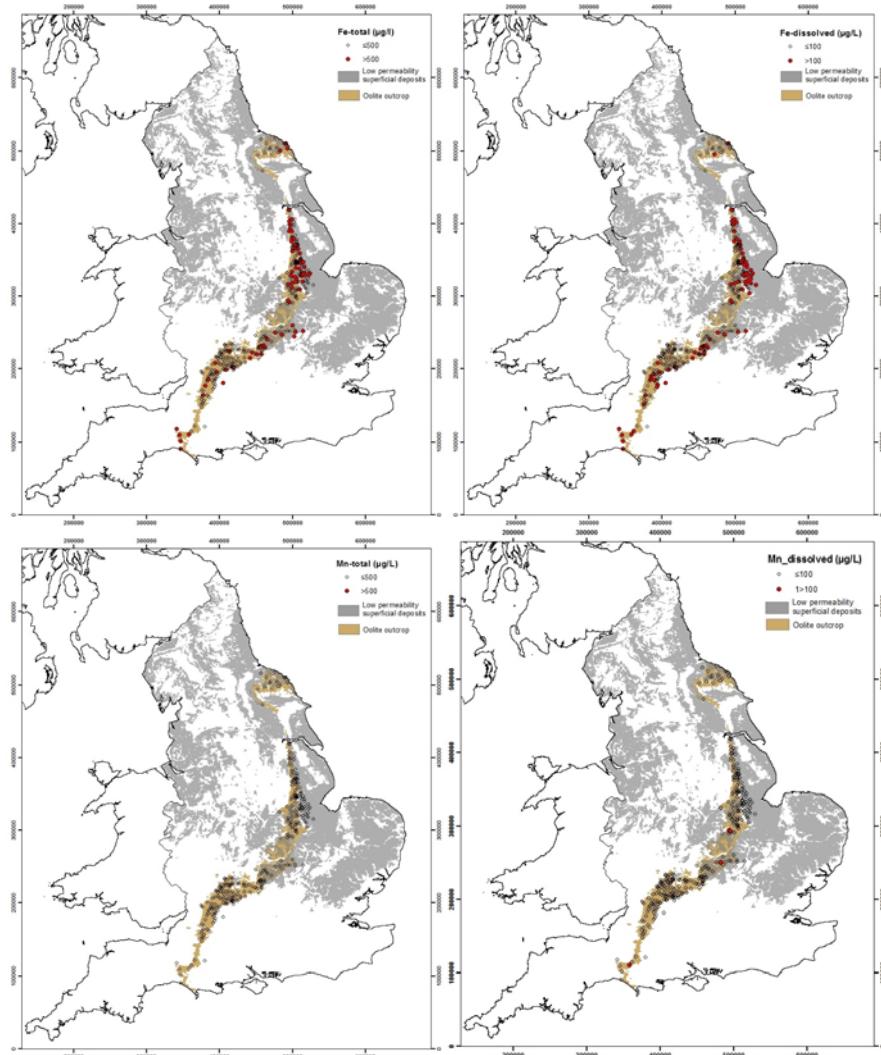


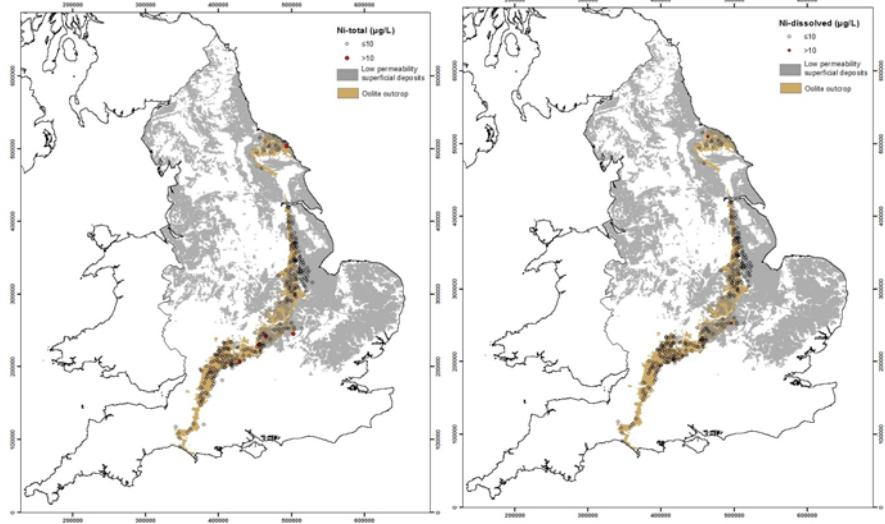
OOLITE

N species

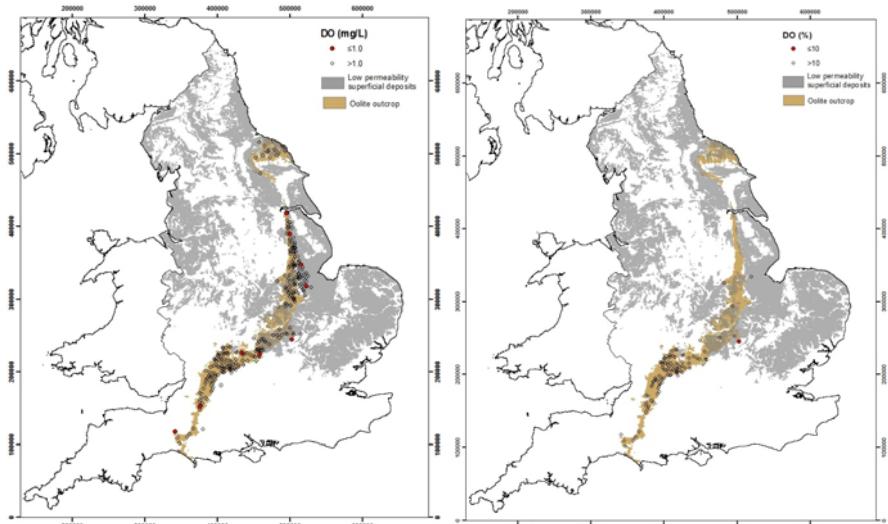


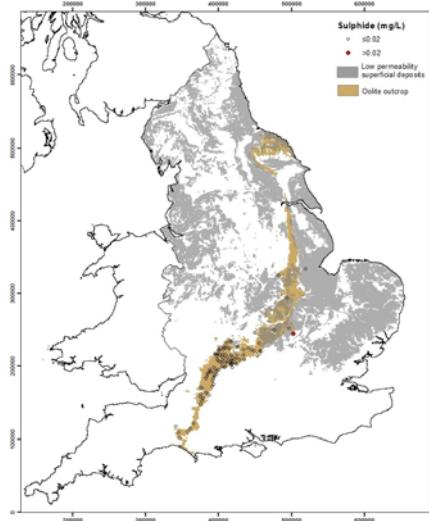
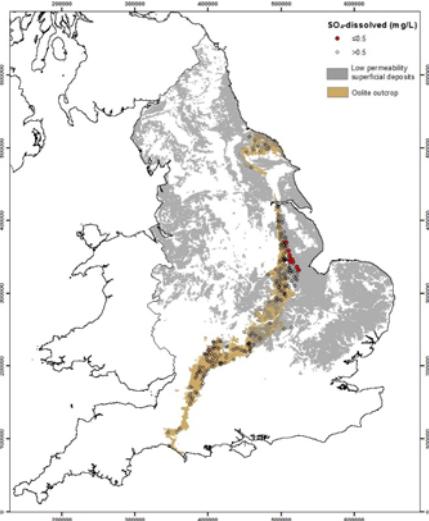
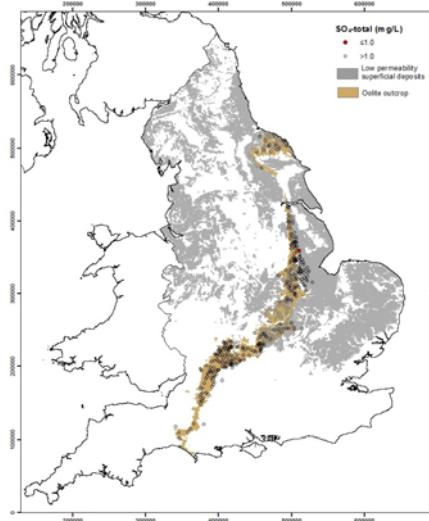
Trace metals



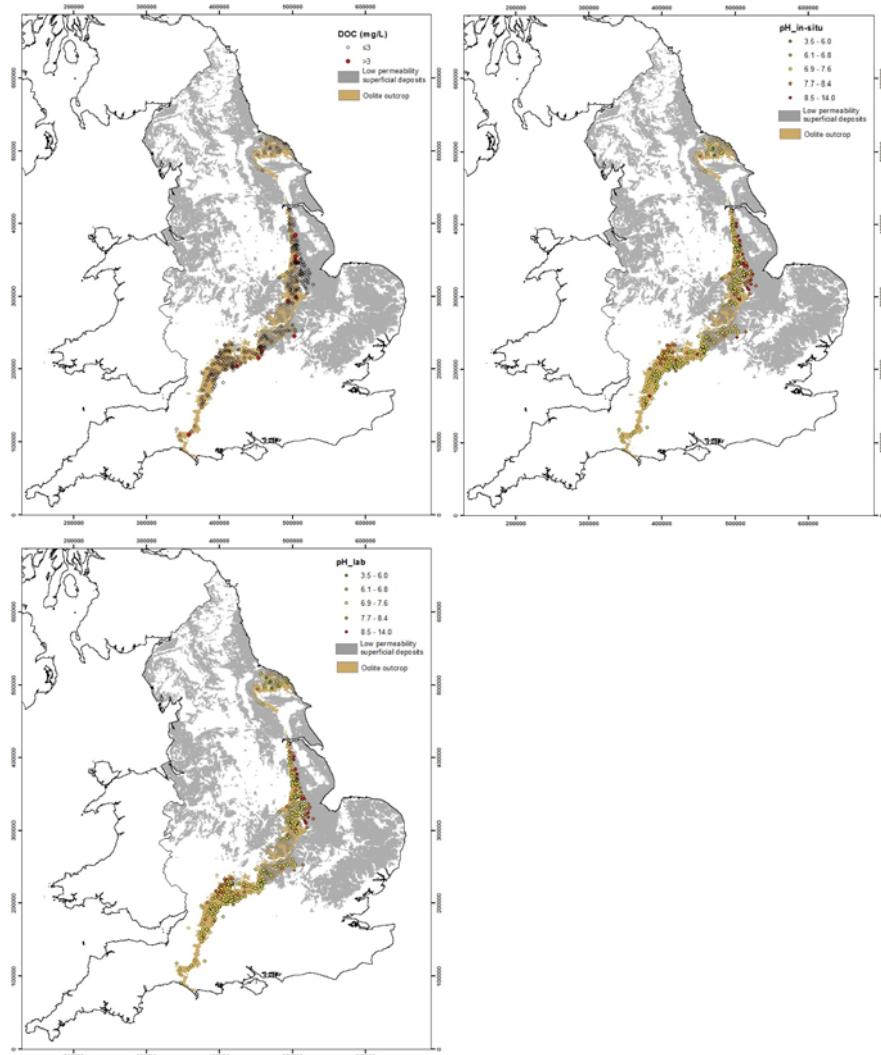


Oxygen and S species



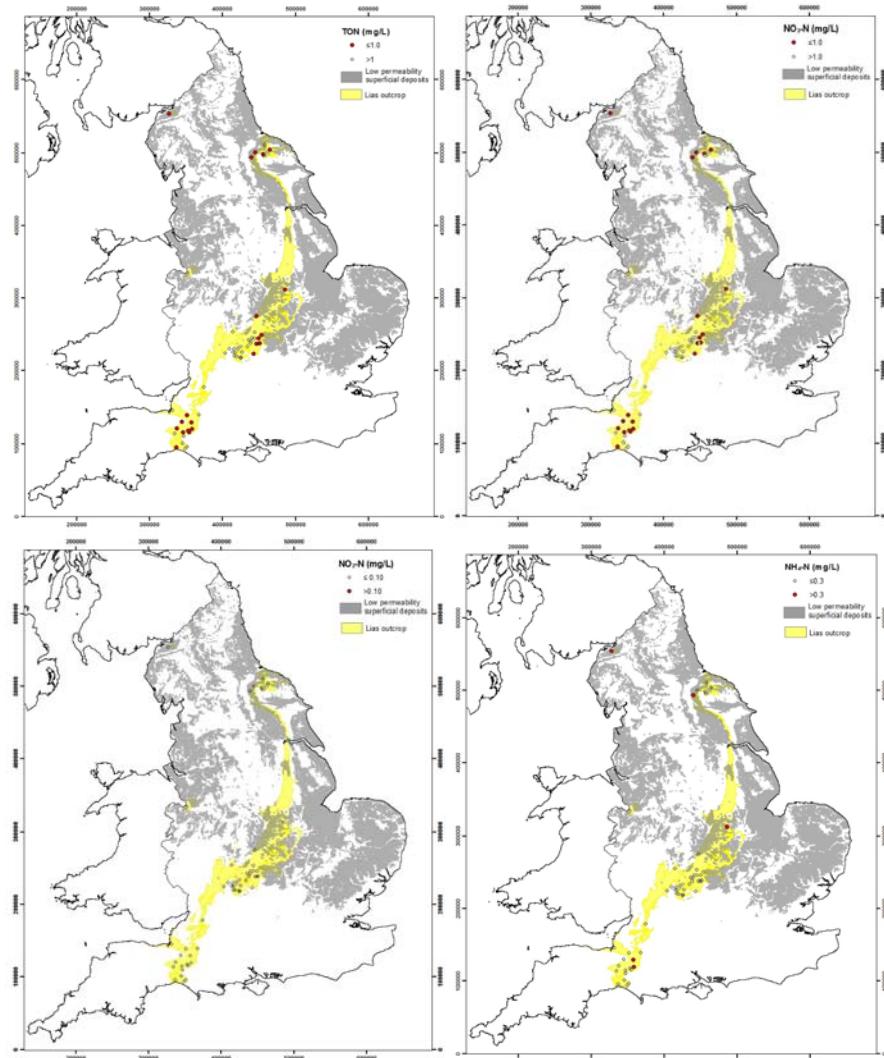


DOC and pH

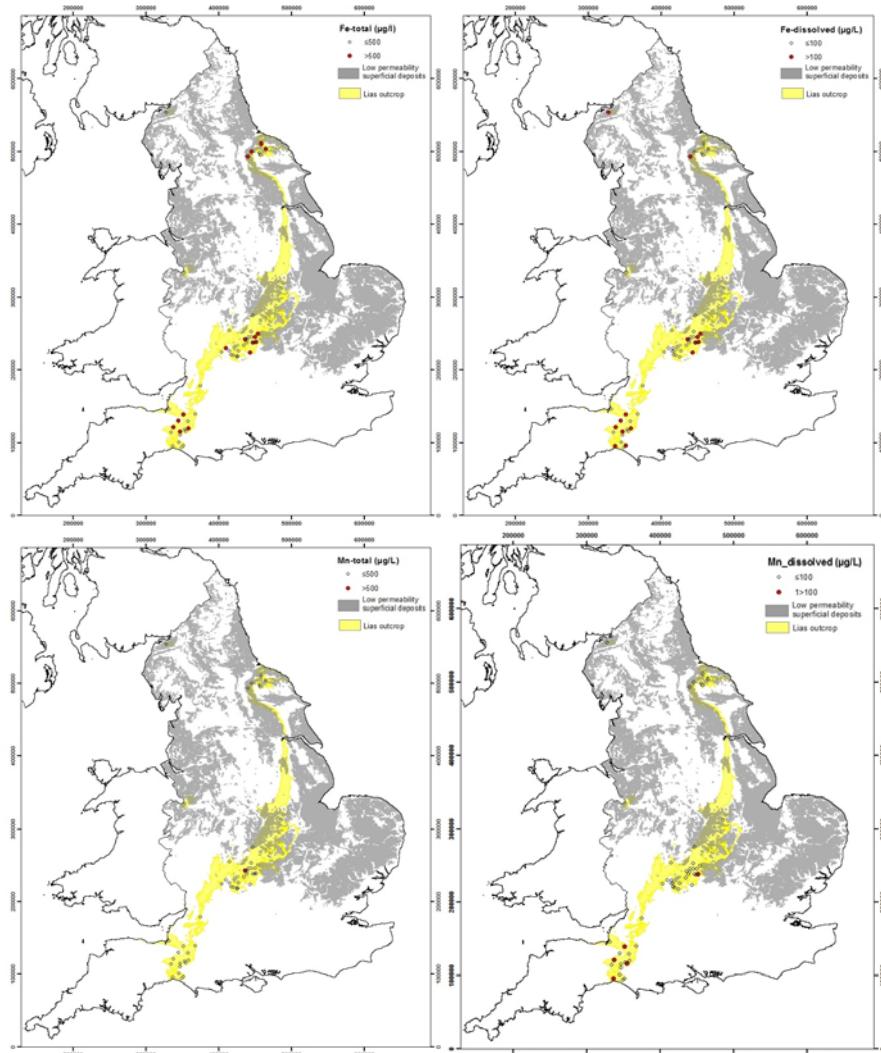


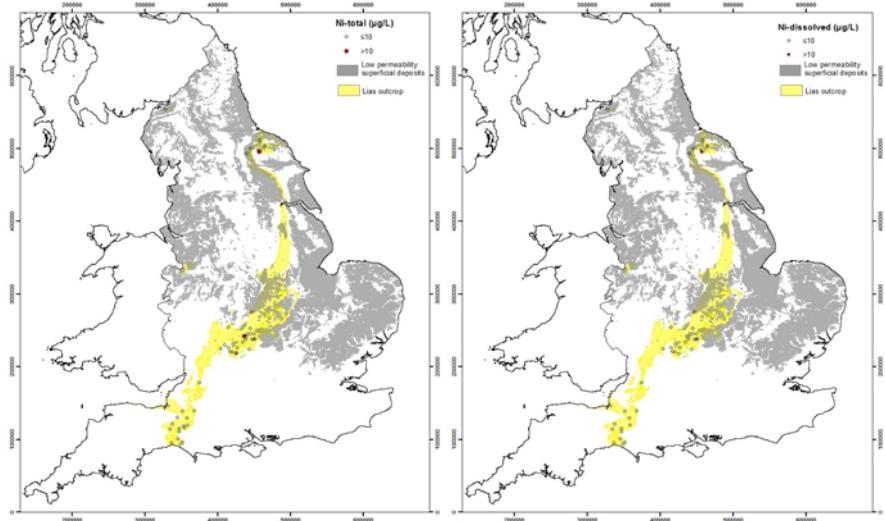
LIAS

N species

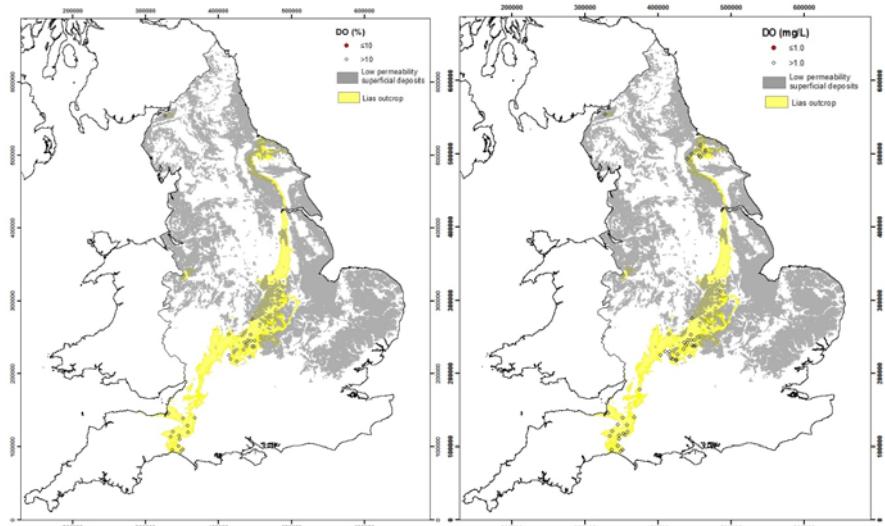


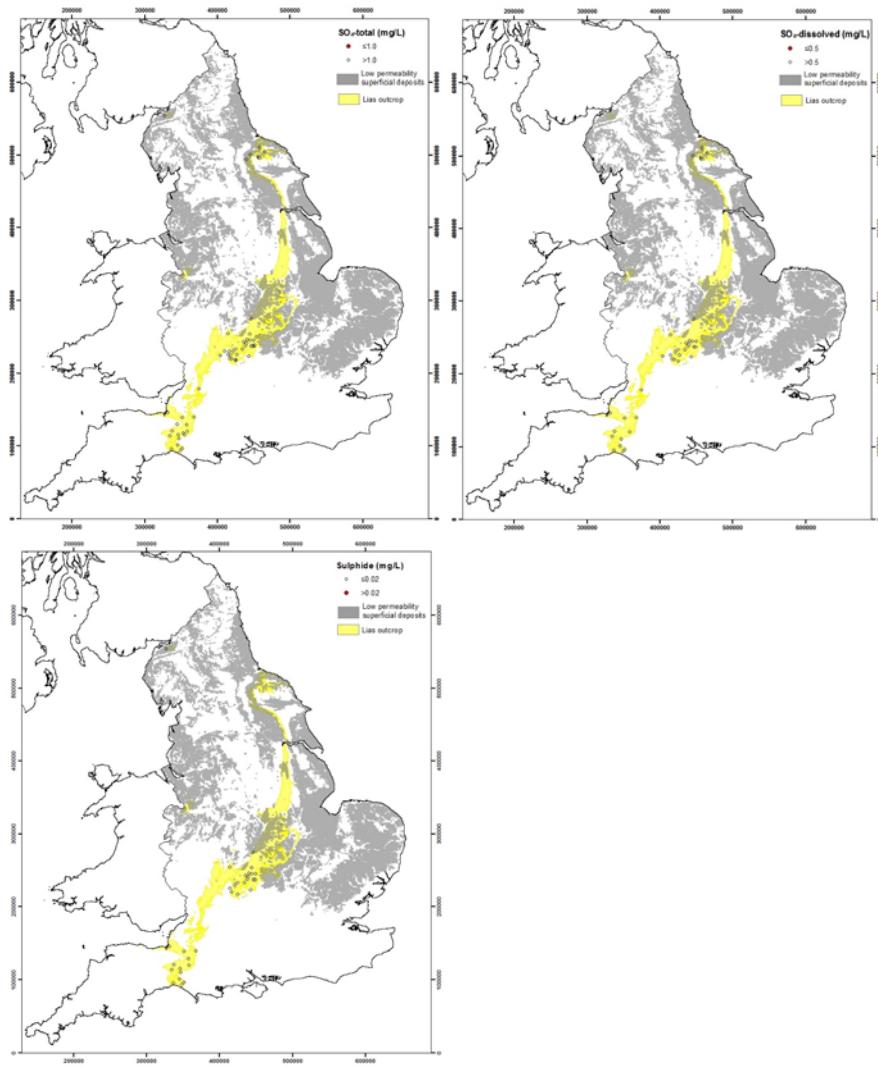
Trace metals



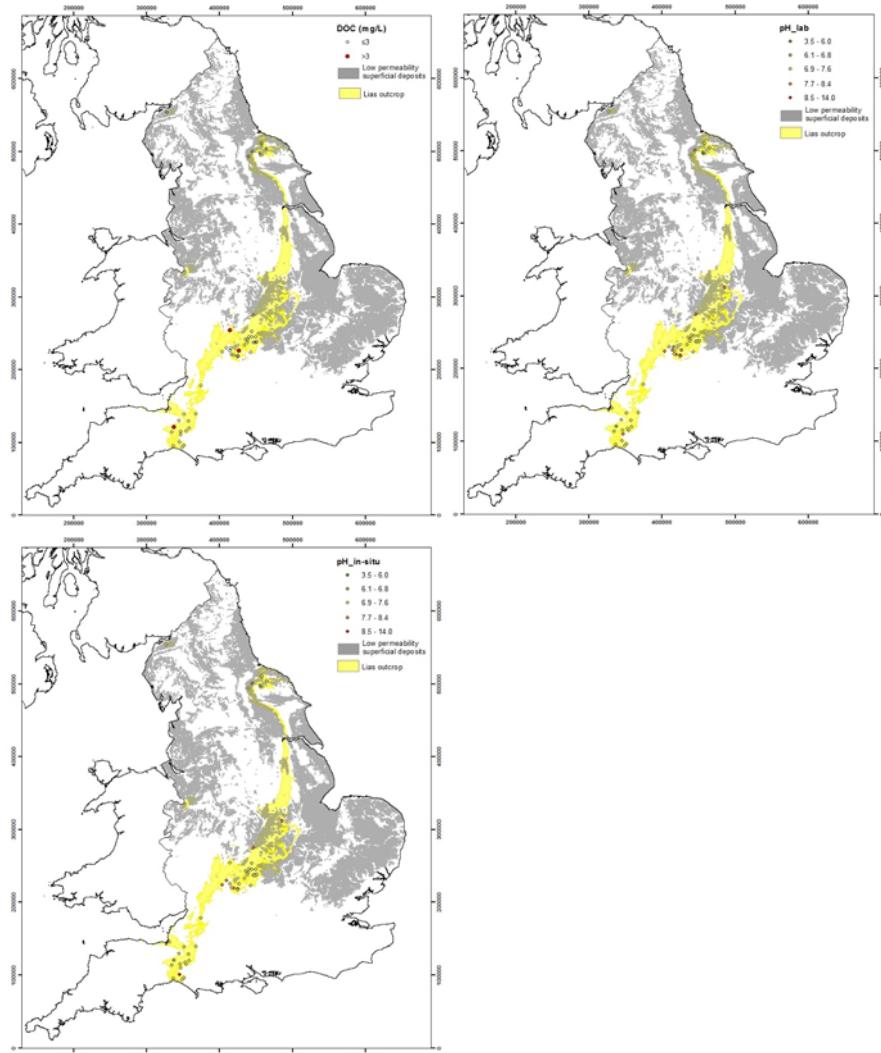


Oxygen and S species



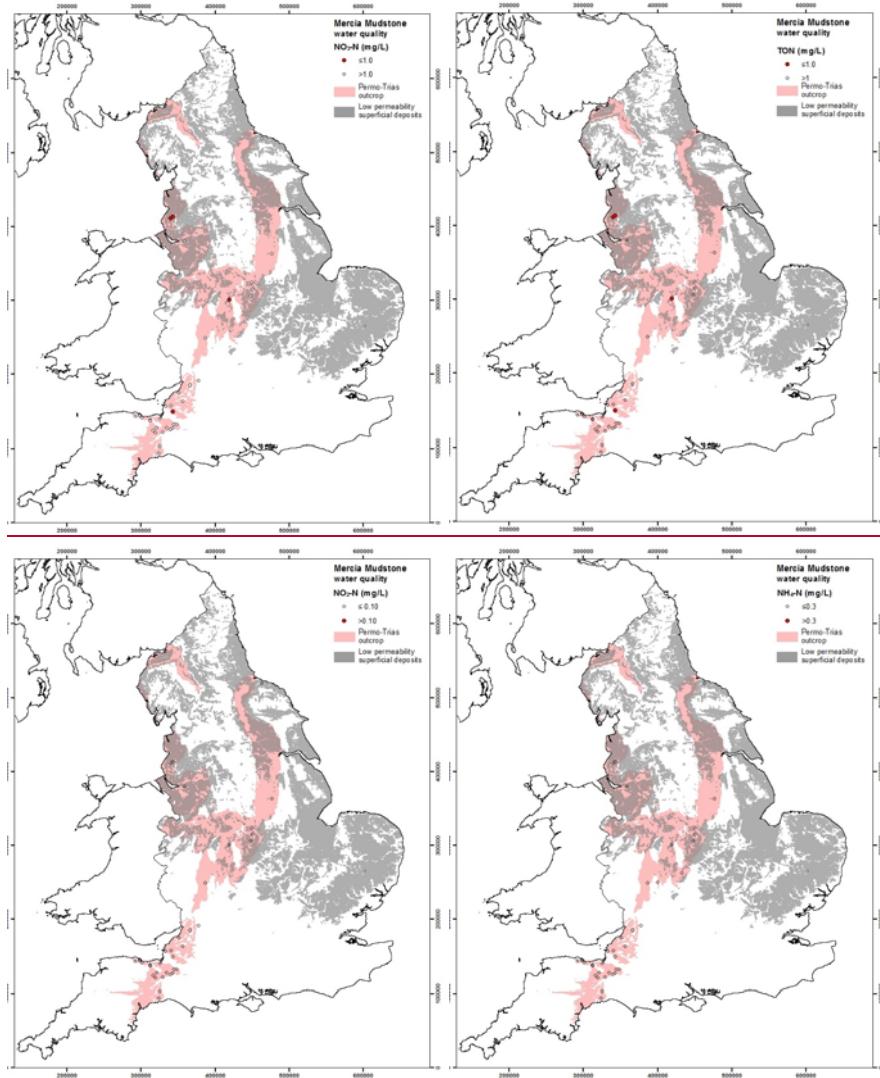


DOC and pH



MERCIA MUDSTONE

N-species



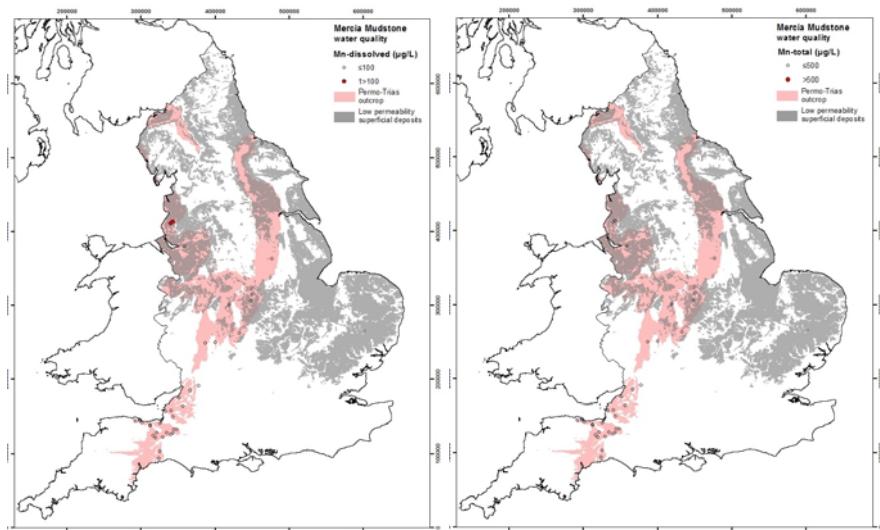
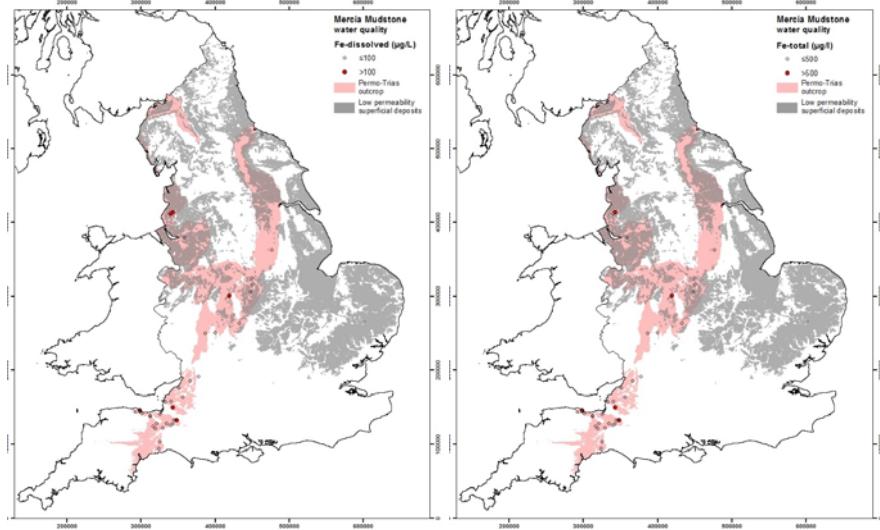
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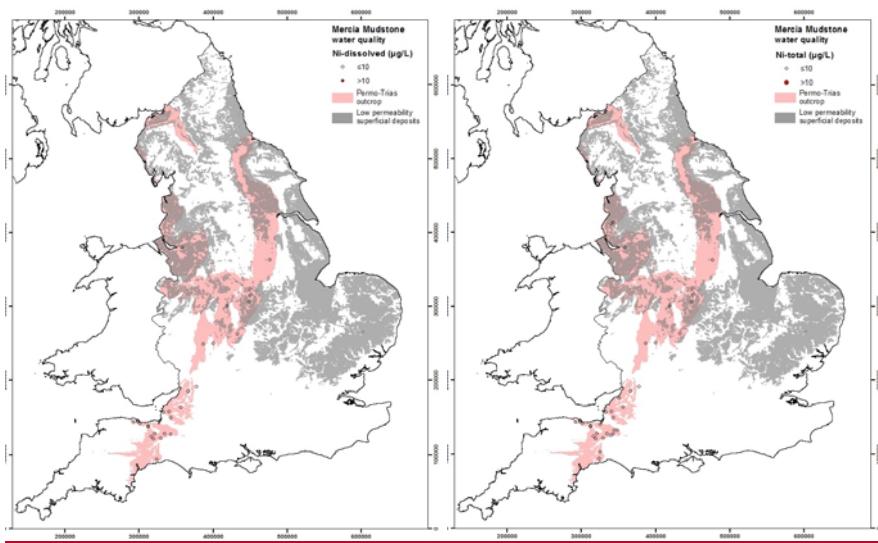
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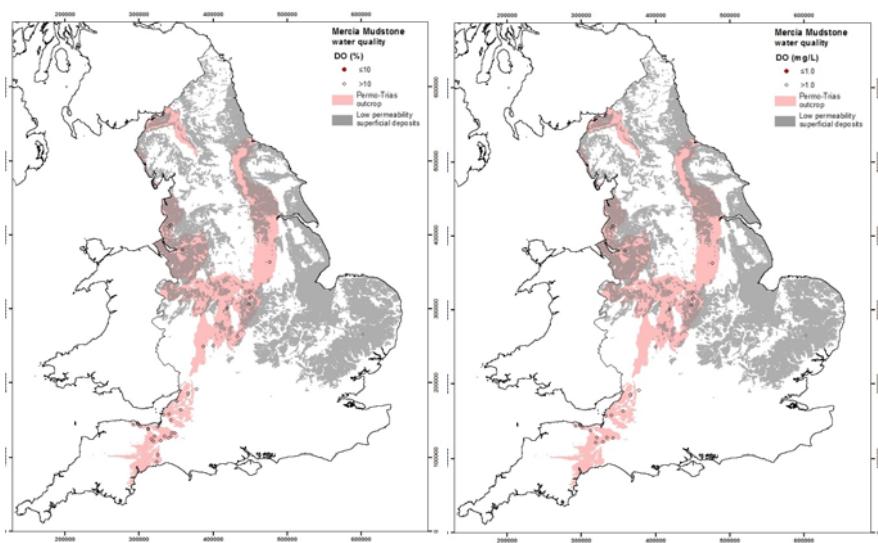
Trace metals

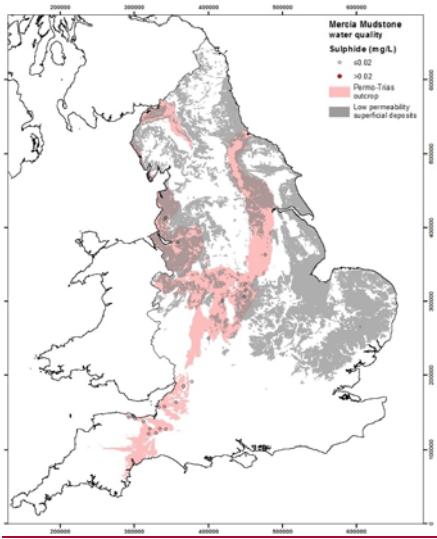
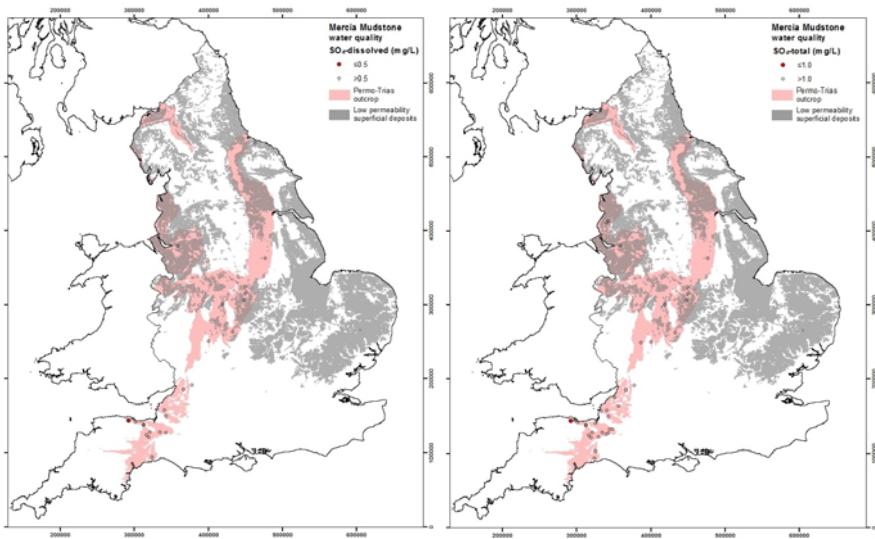
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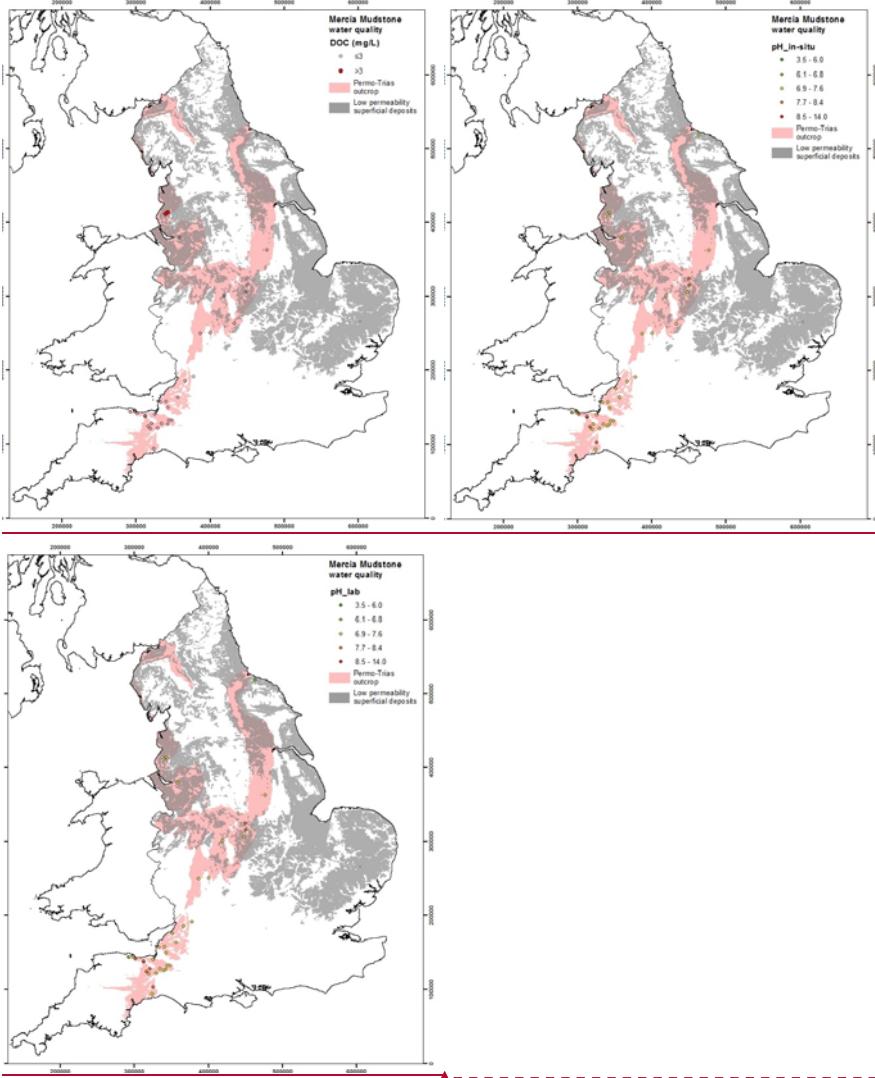


O and S Species





DOC and pH

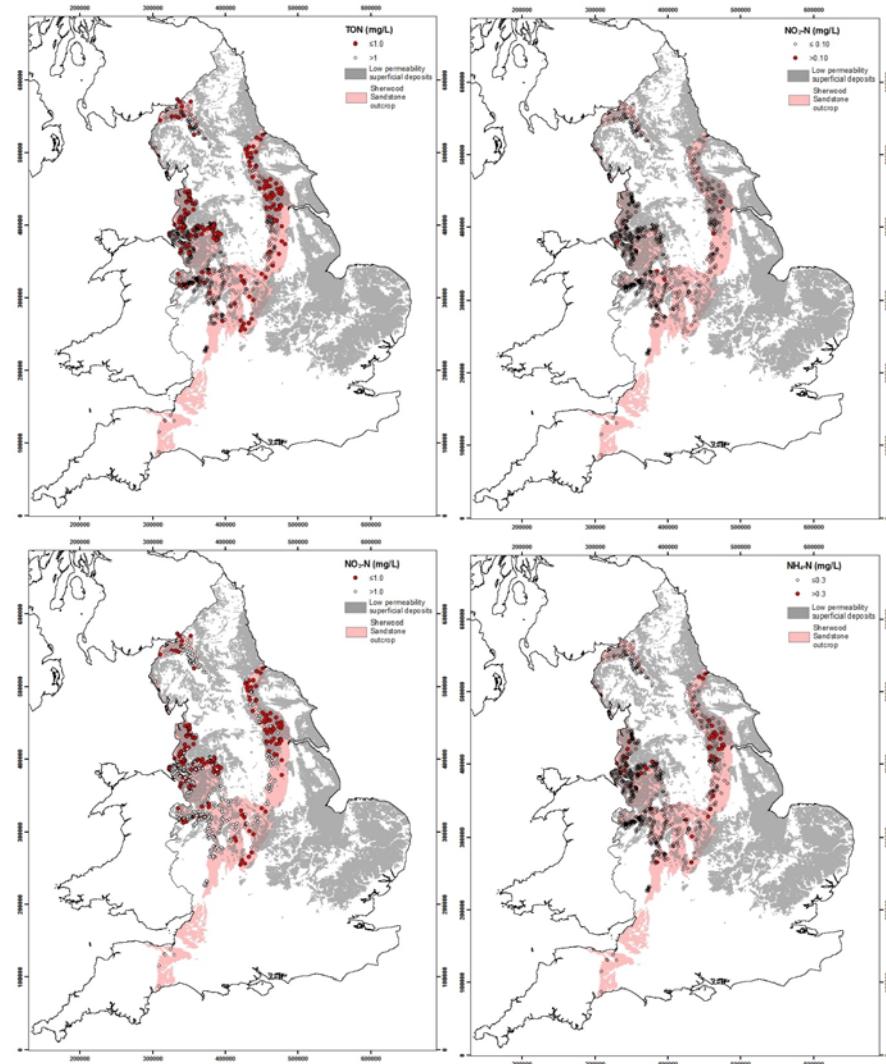


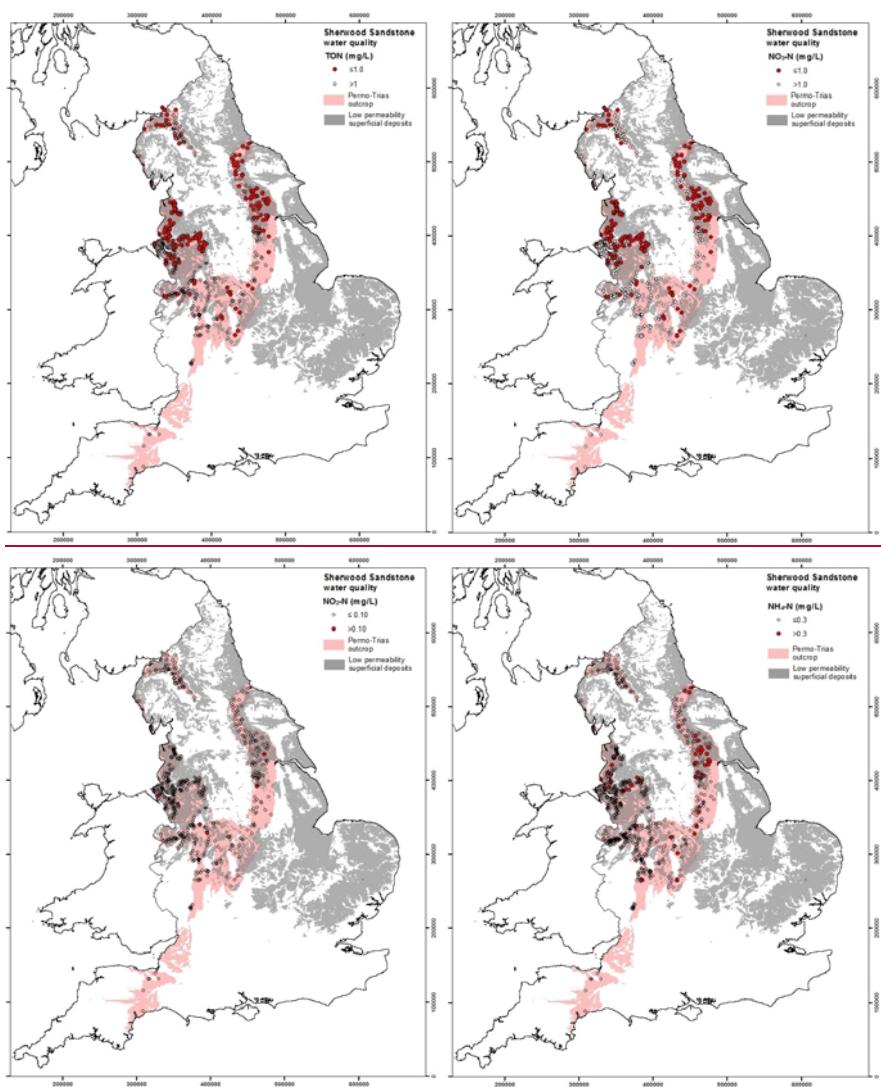
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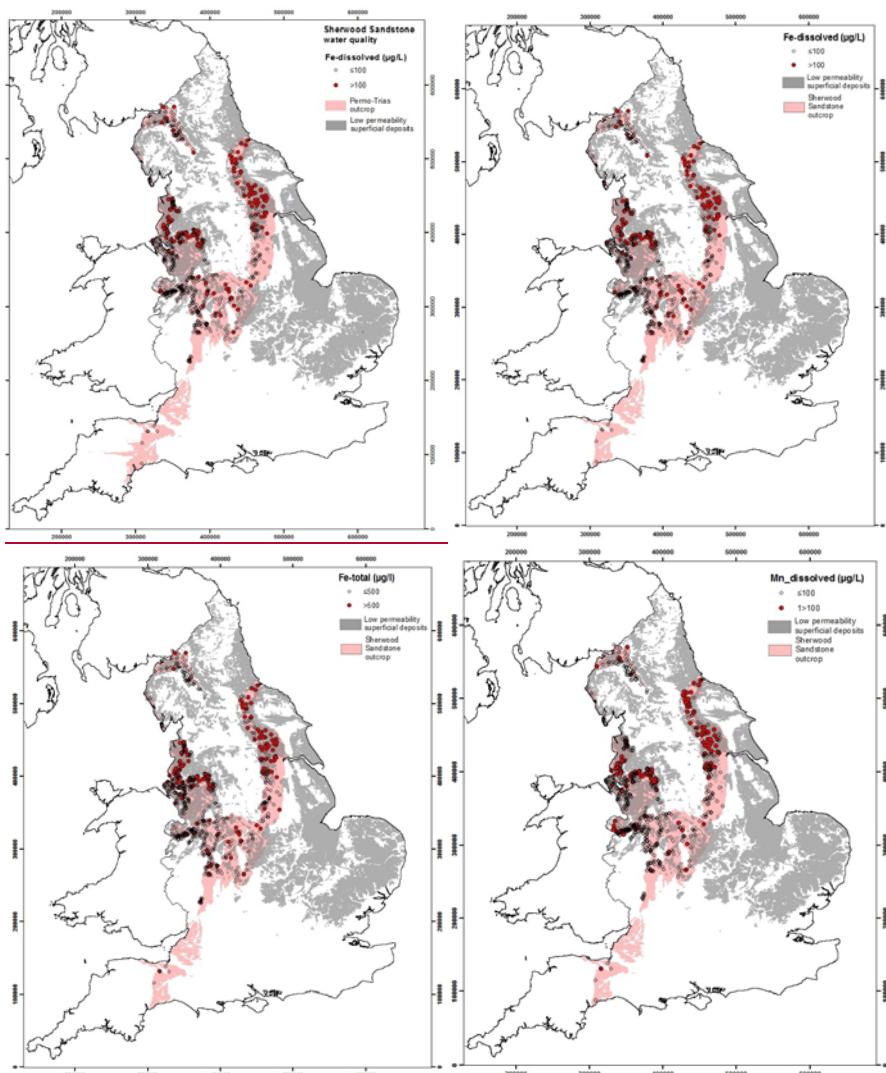
SHERWOOD SANDSTONE

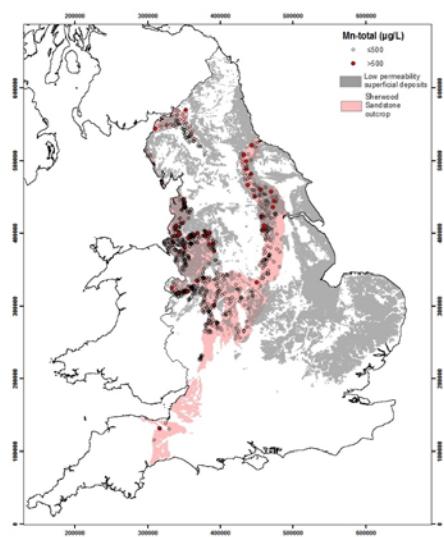
N species

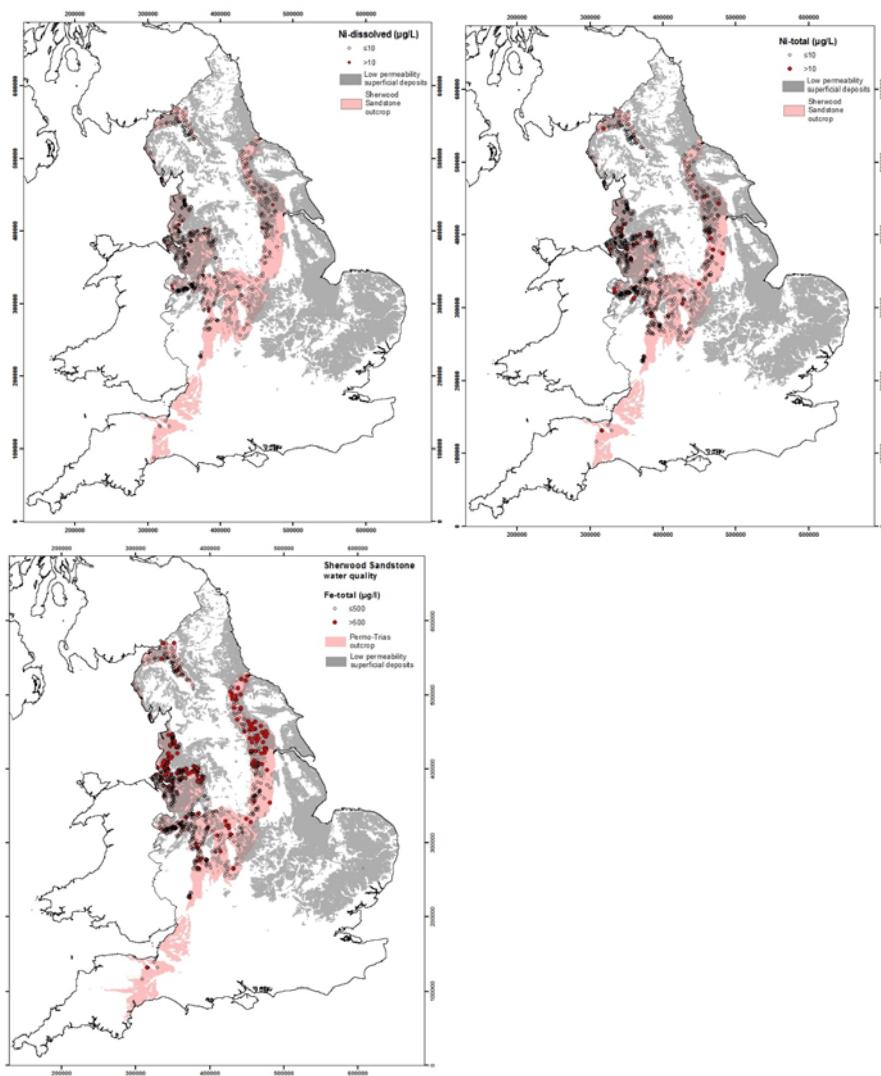


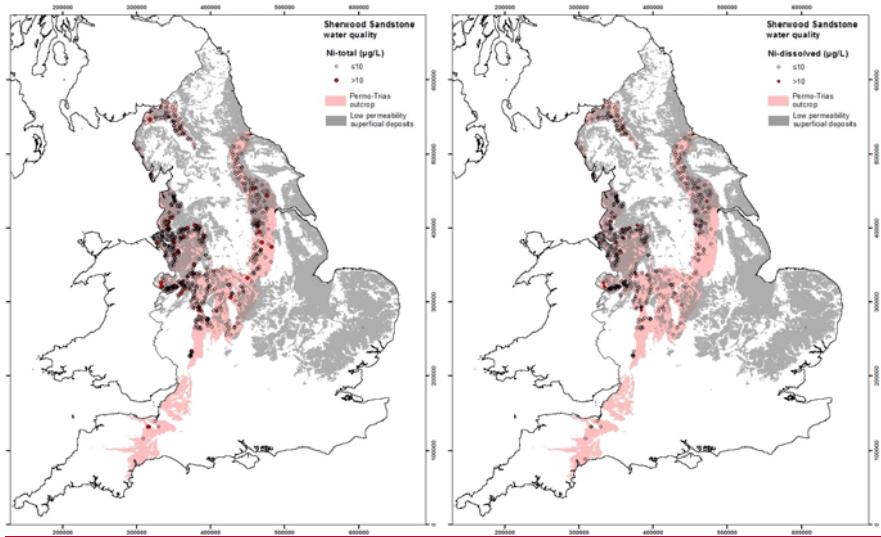
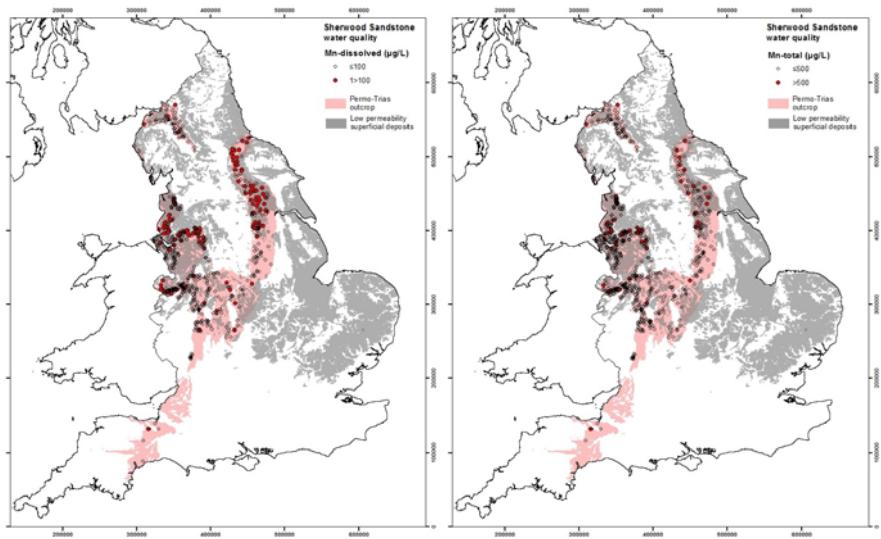


Trace metals

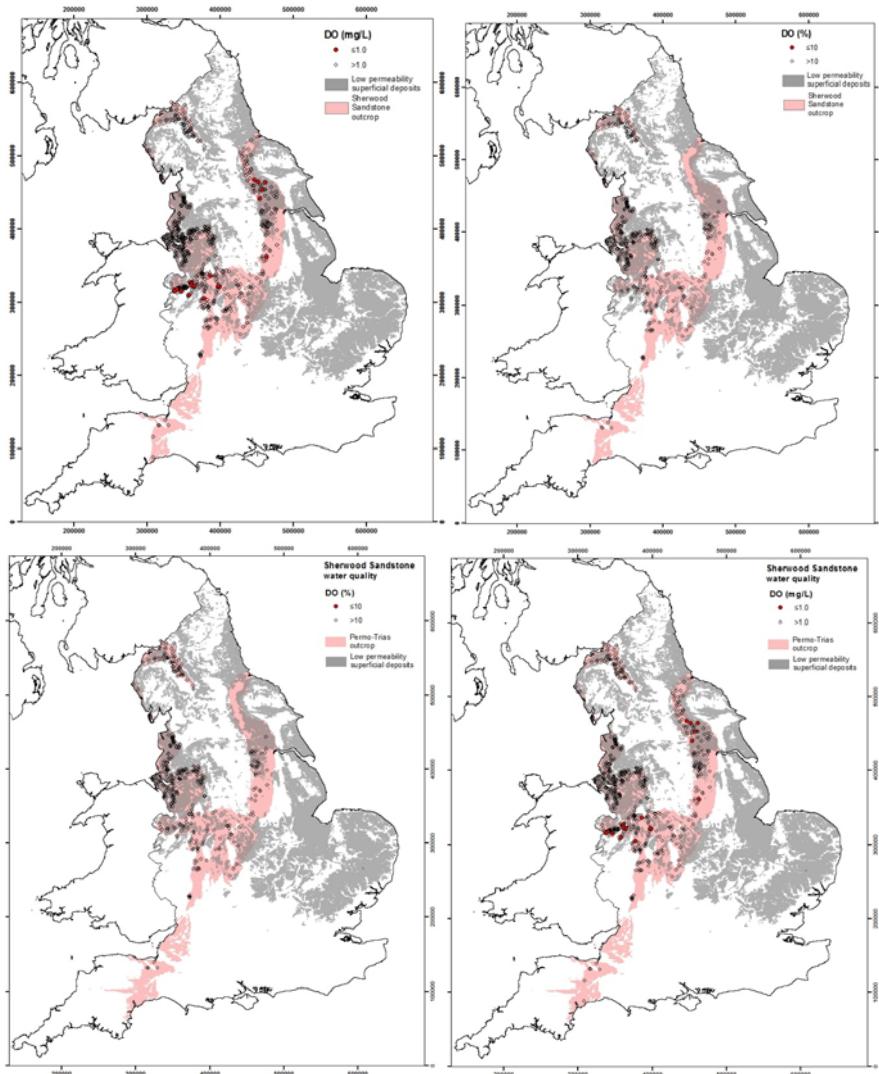


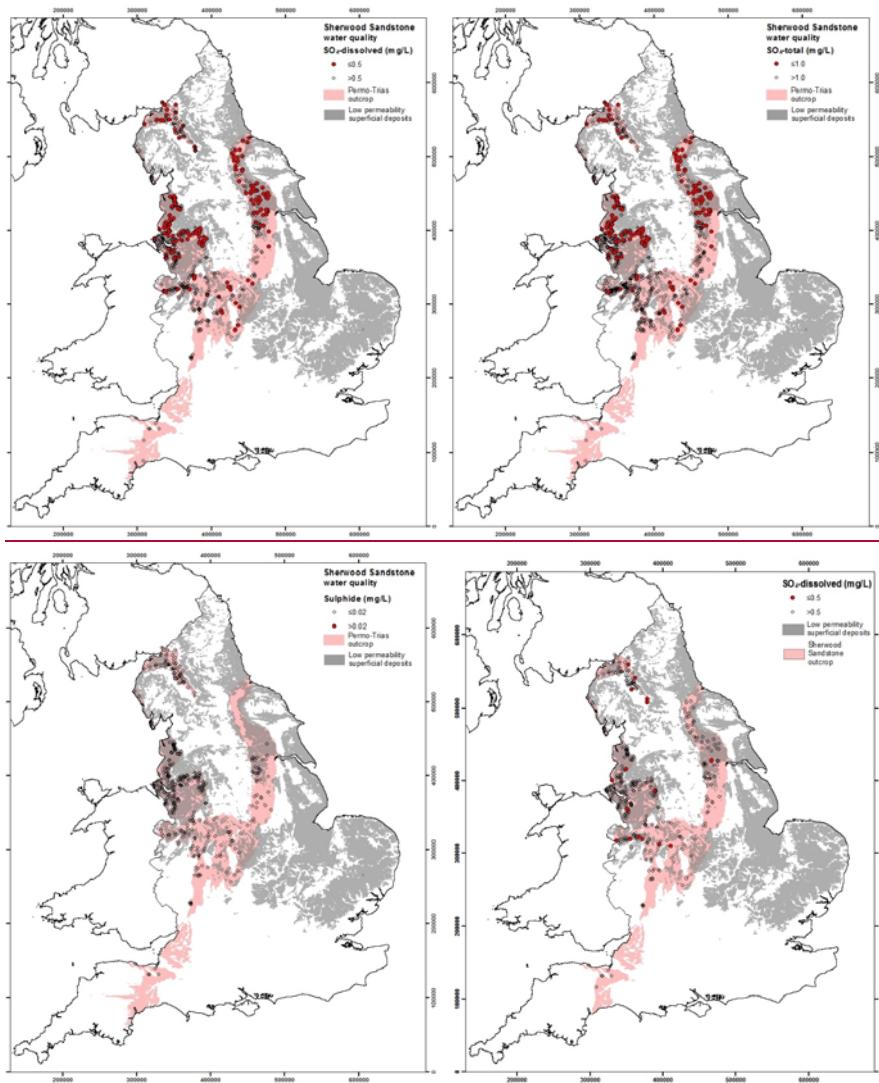


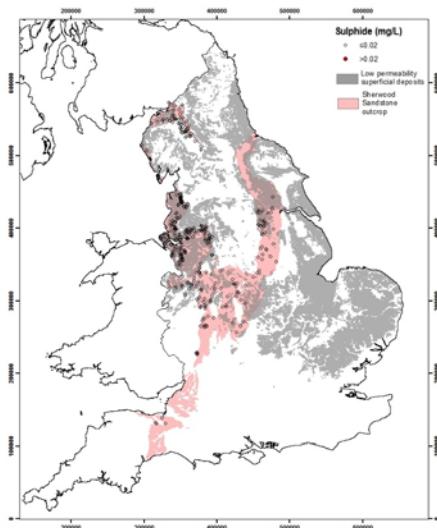
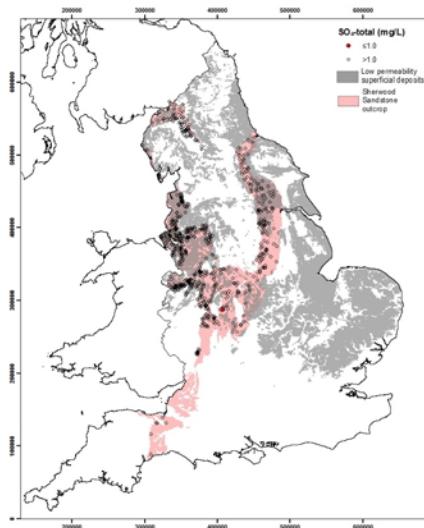




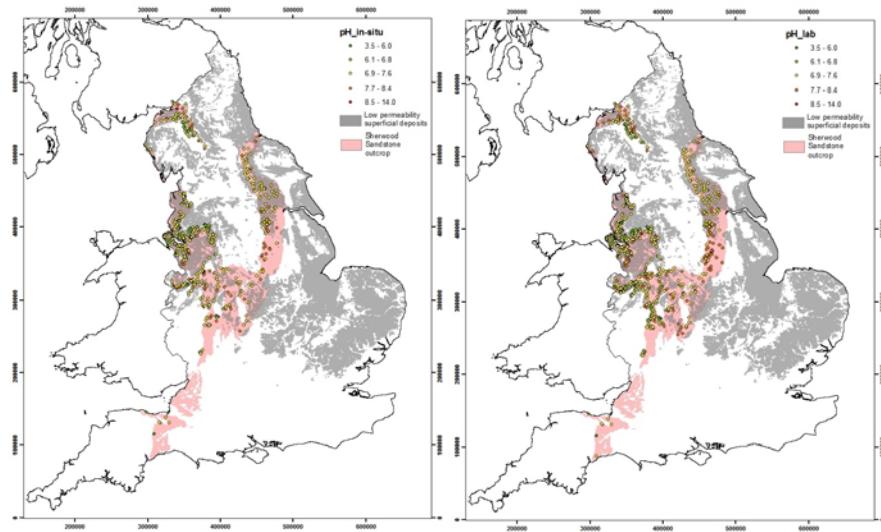
Oxygen and S species

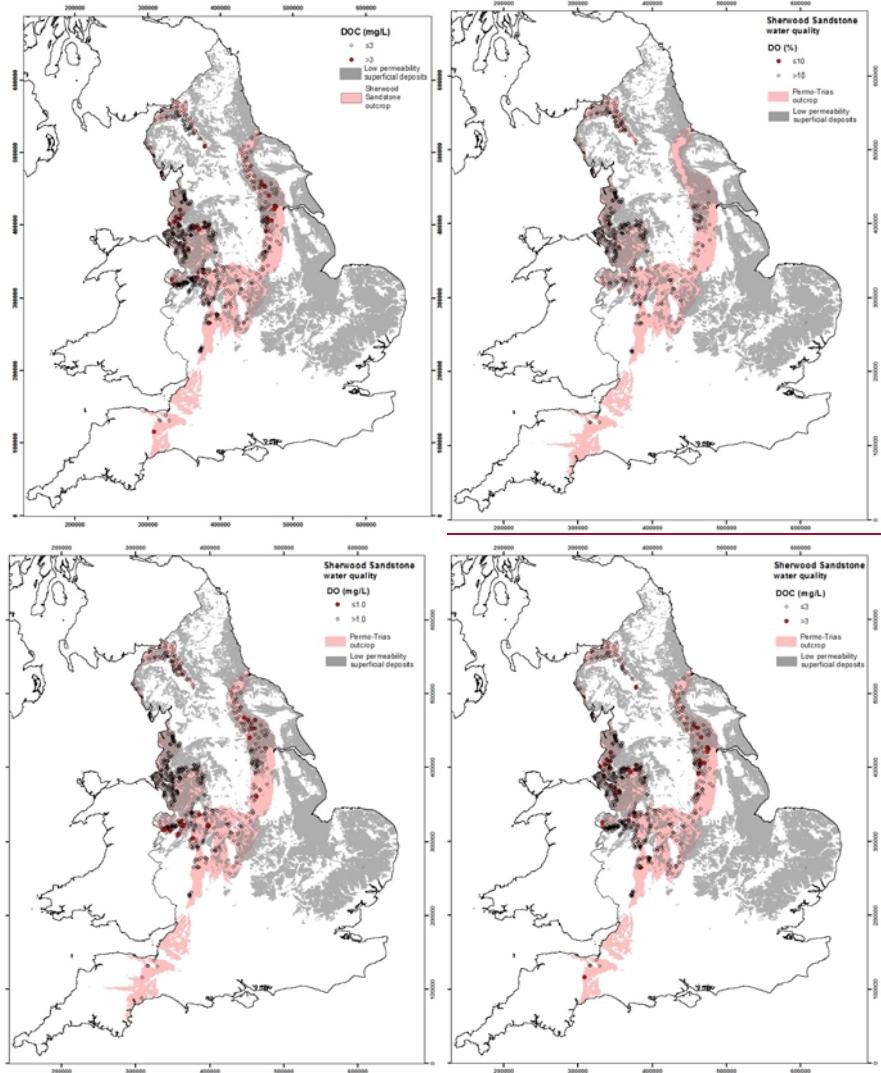






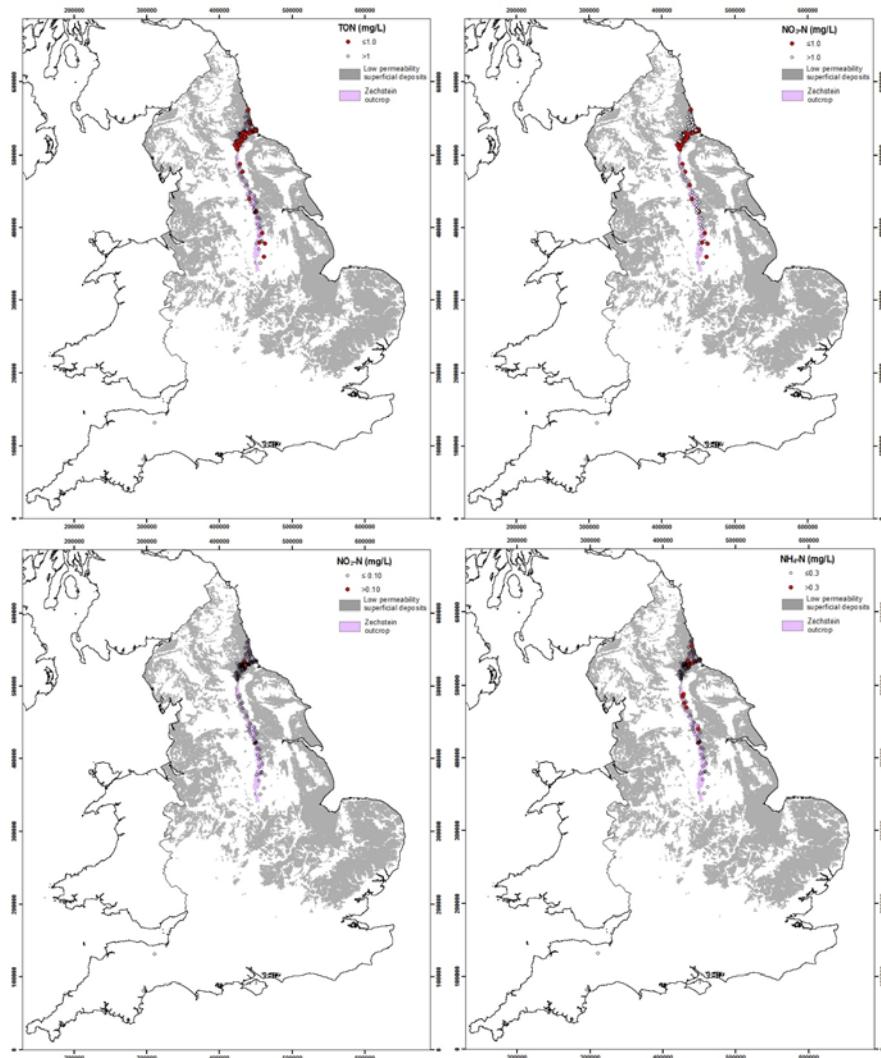
DOC and pH



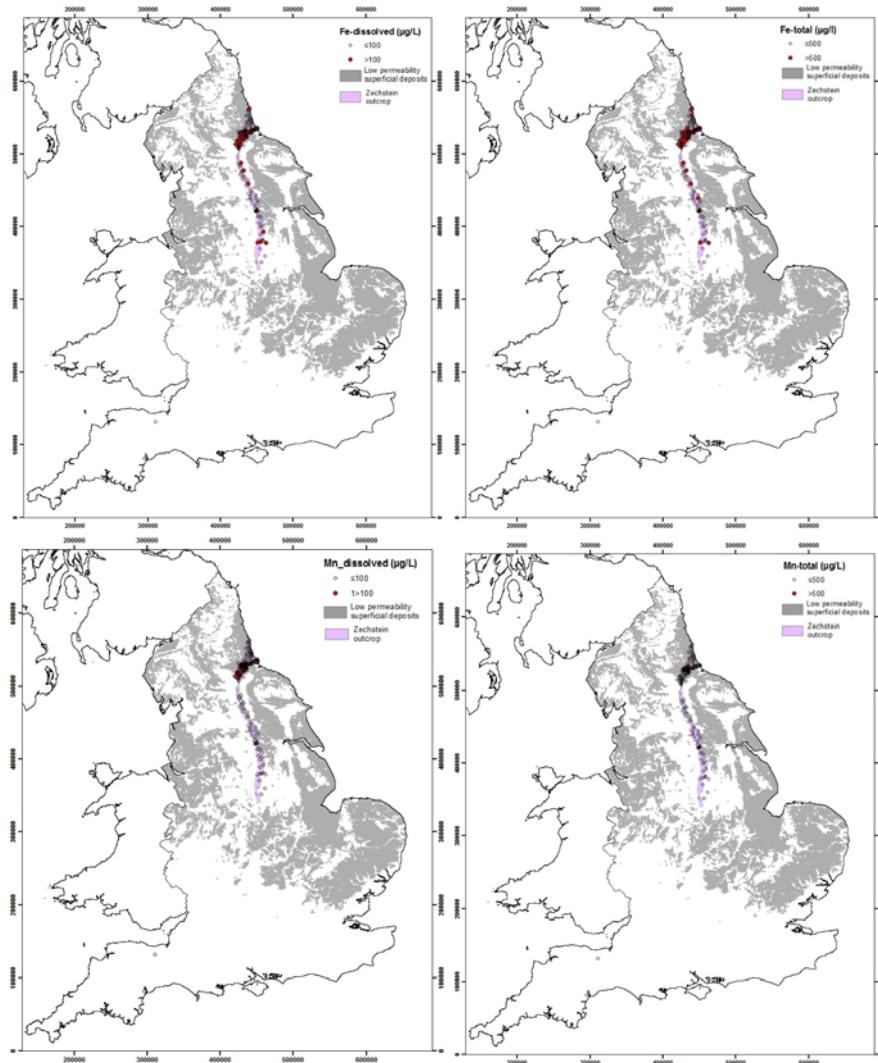


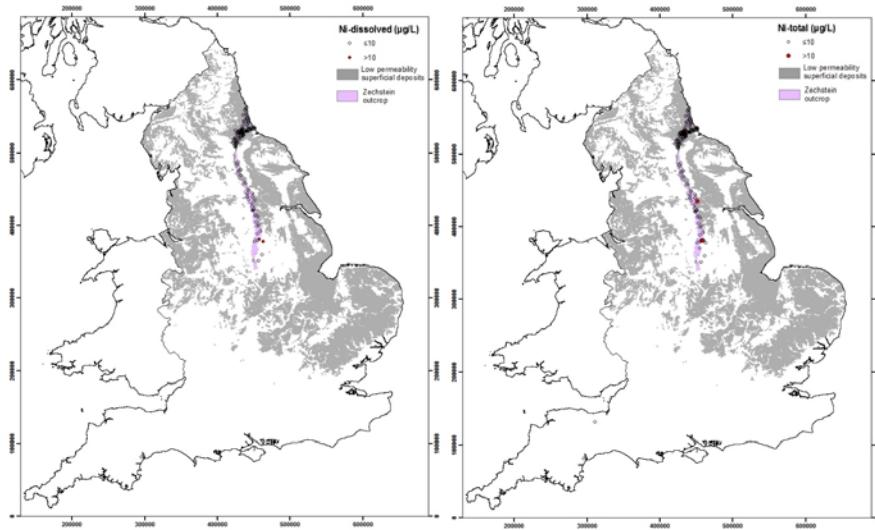
ZECHSTEIN (MAGNESIAN LIMESTONE)

N species

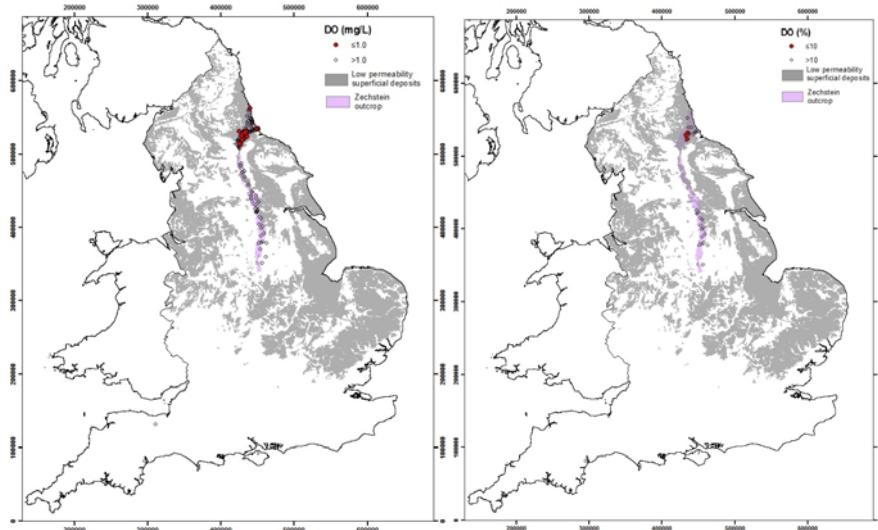


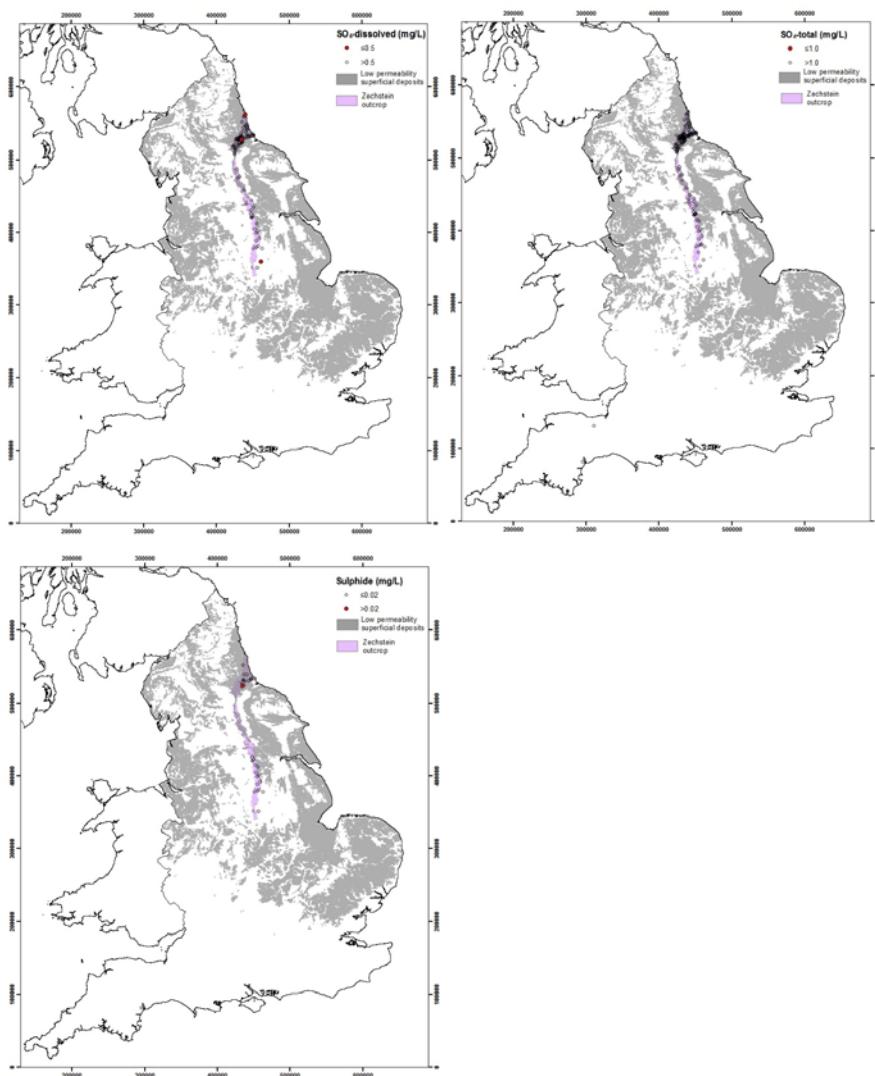
Trace metals



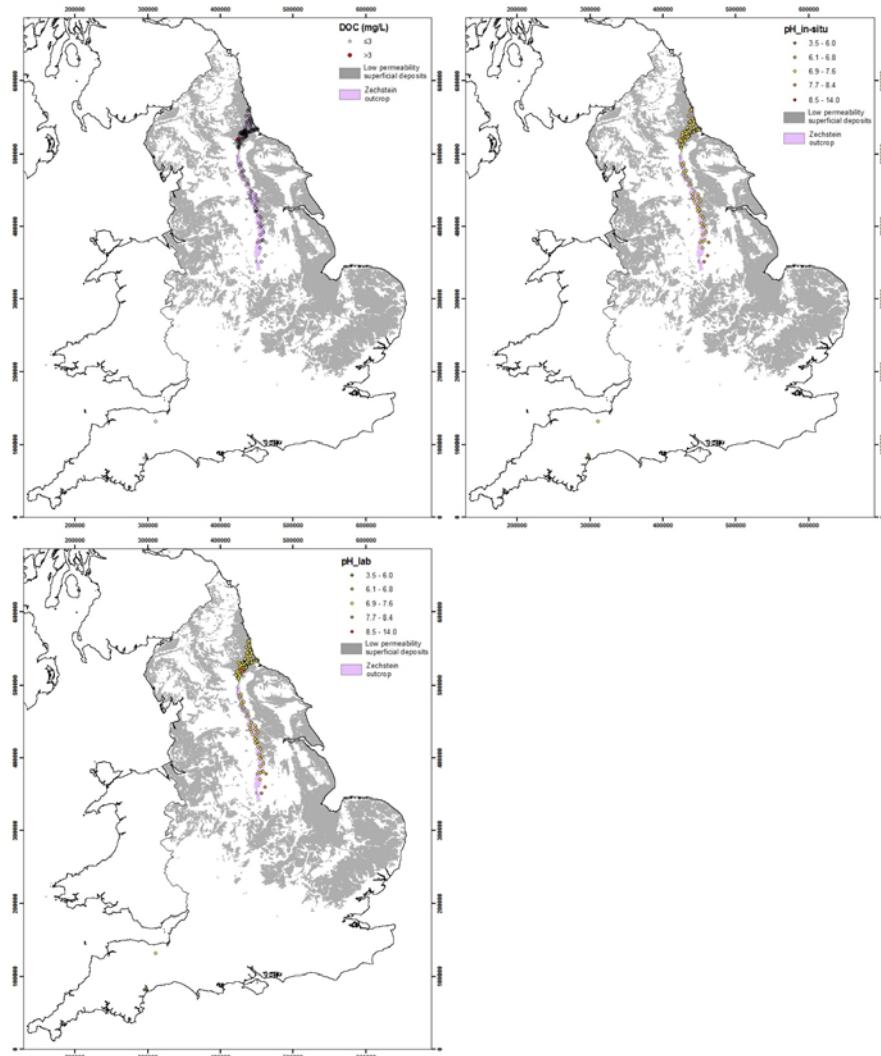


Oxygen and S species



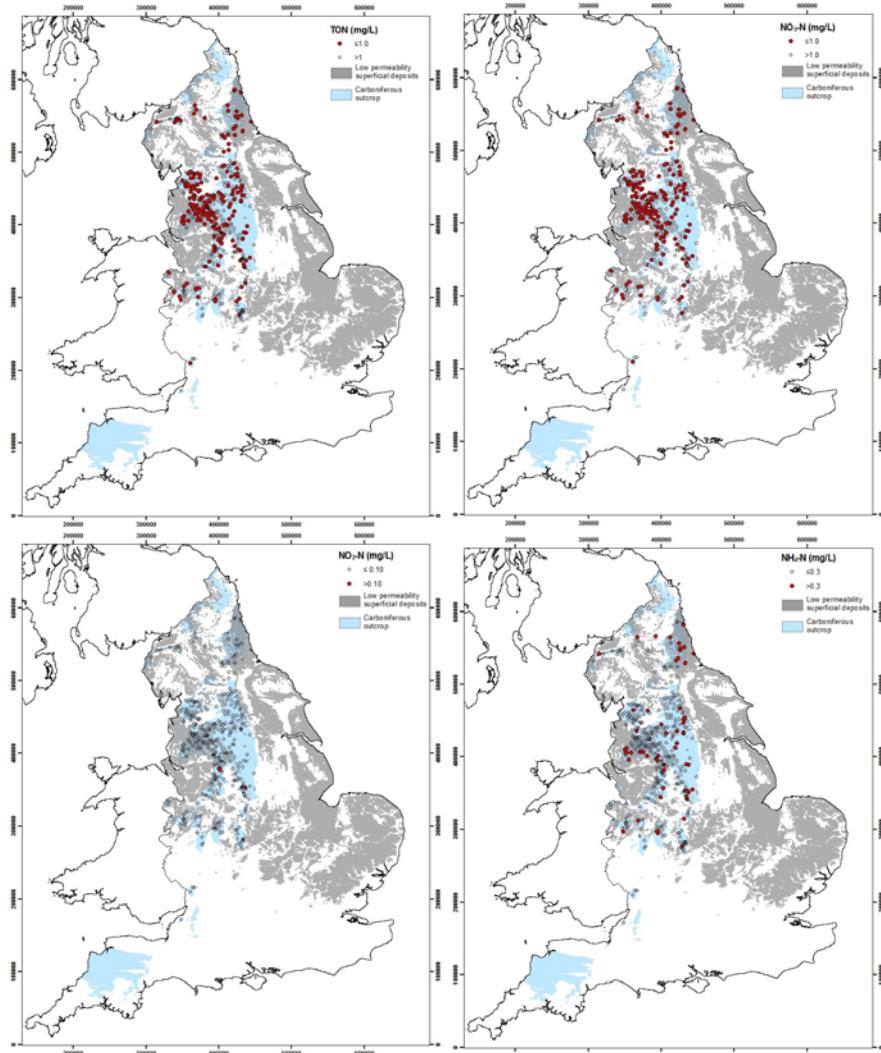


DOC and pH

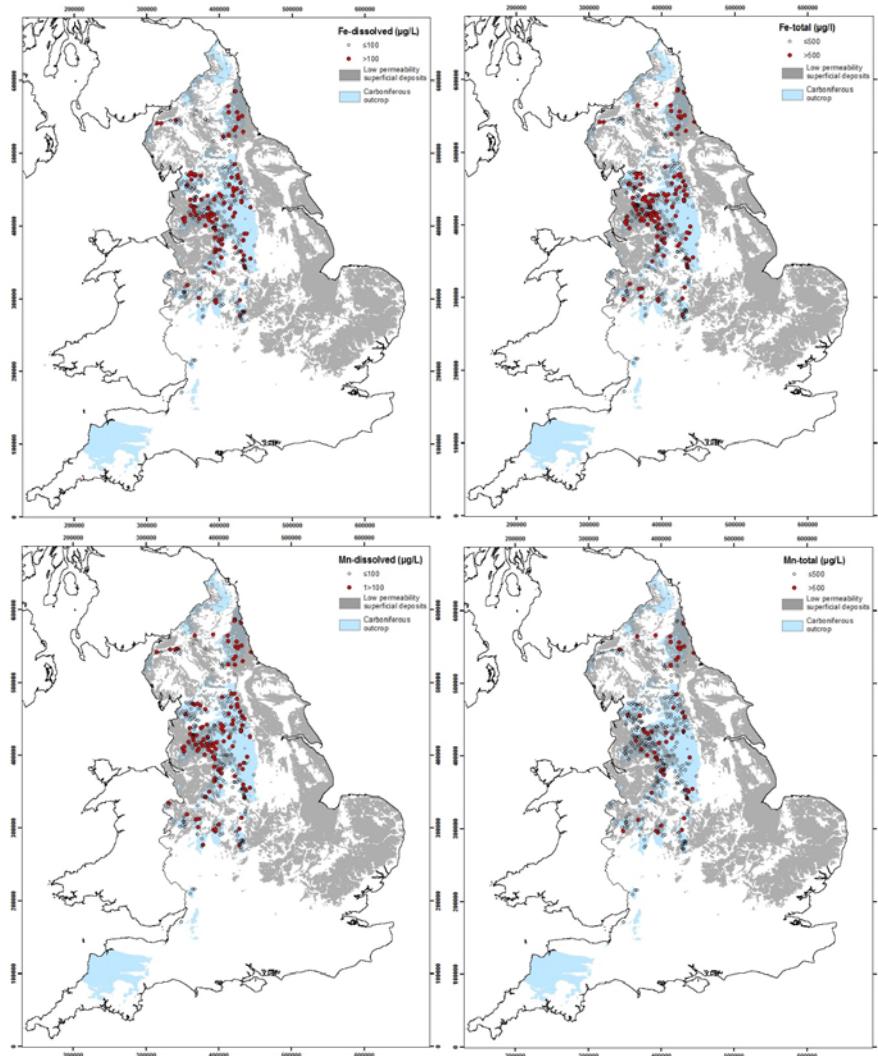


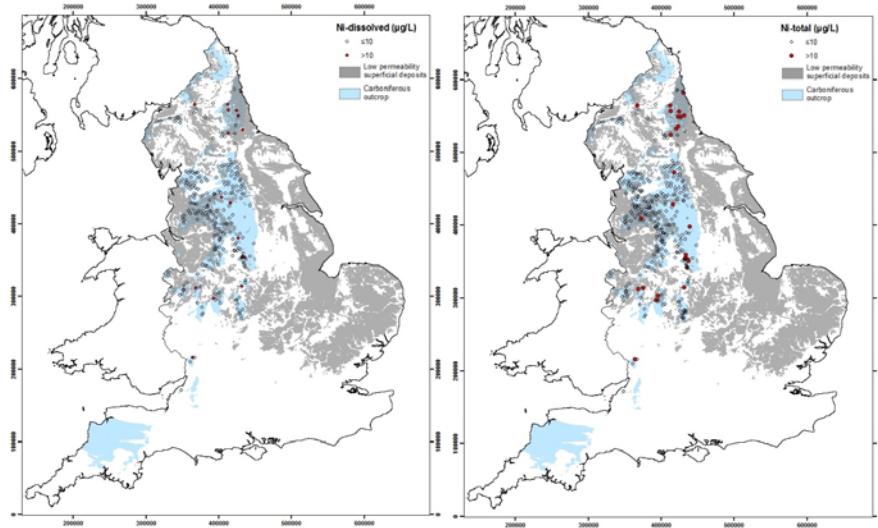
CARBONIFEROUS

N species

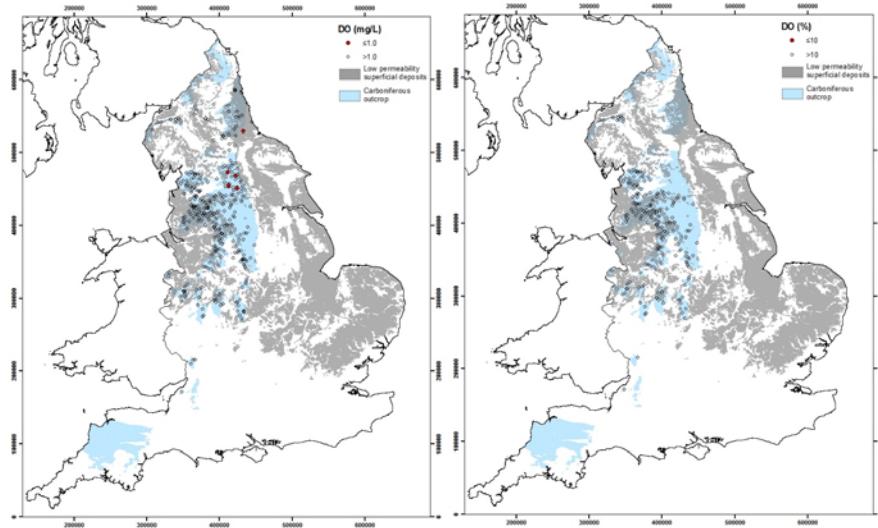


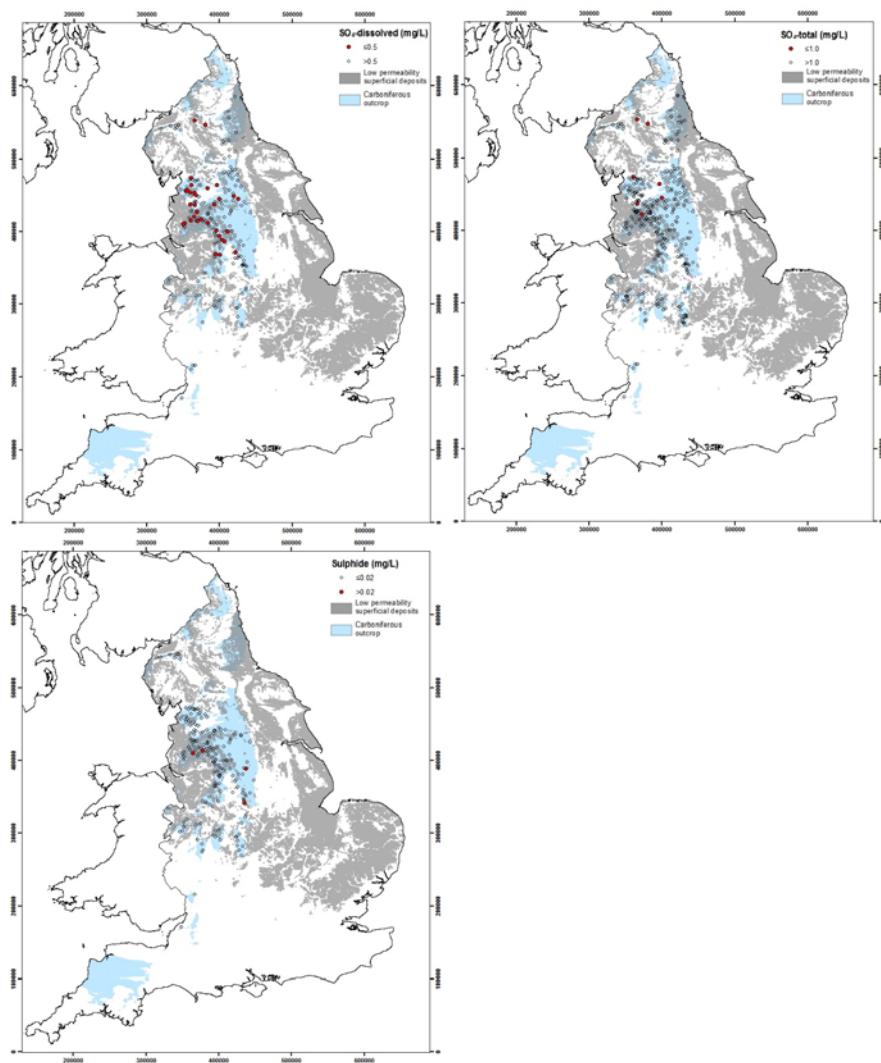
Trace metals



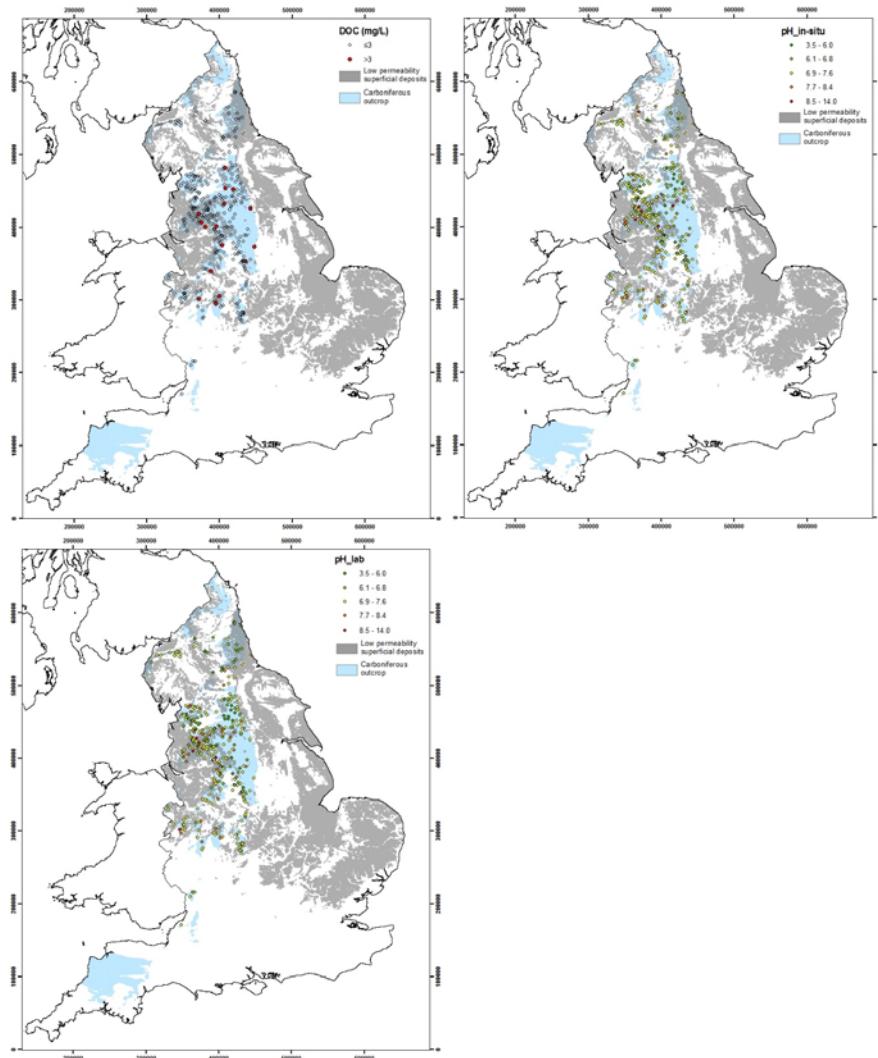


Oxygen and S species



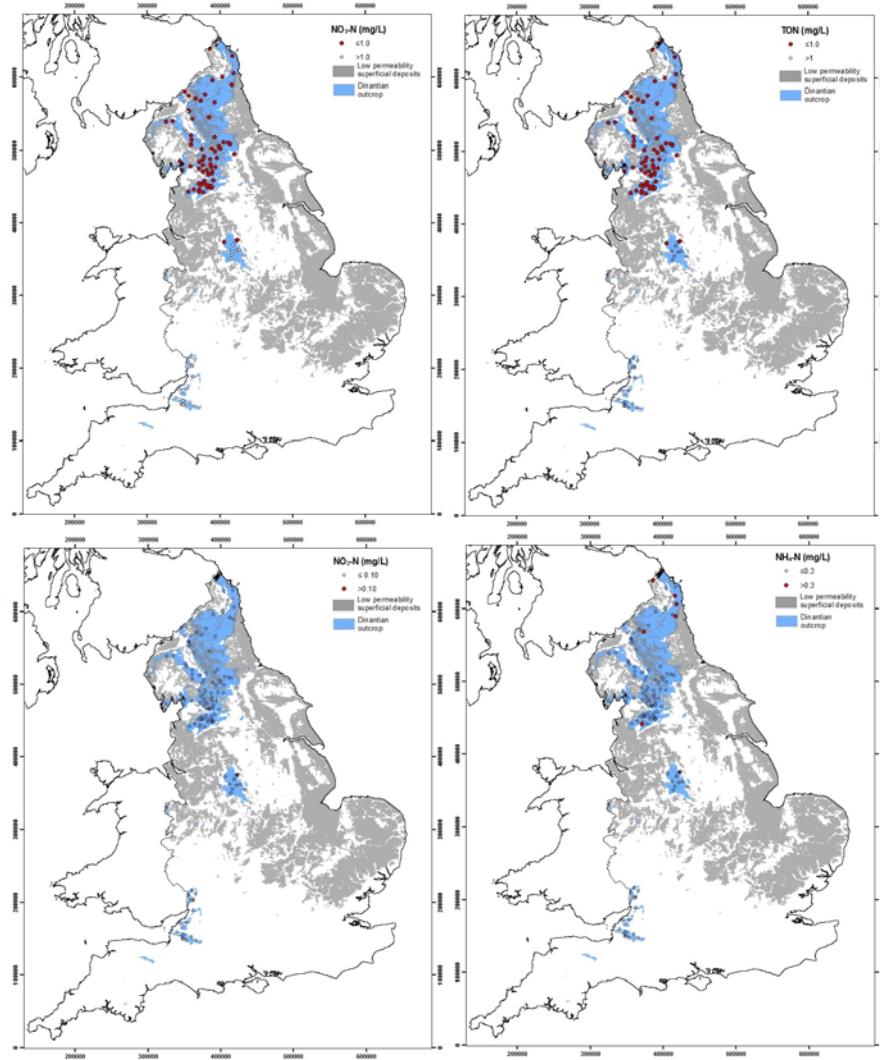


DOC and pH

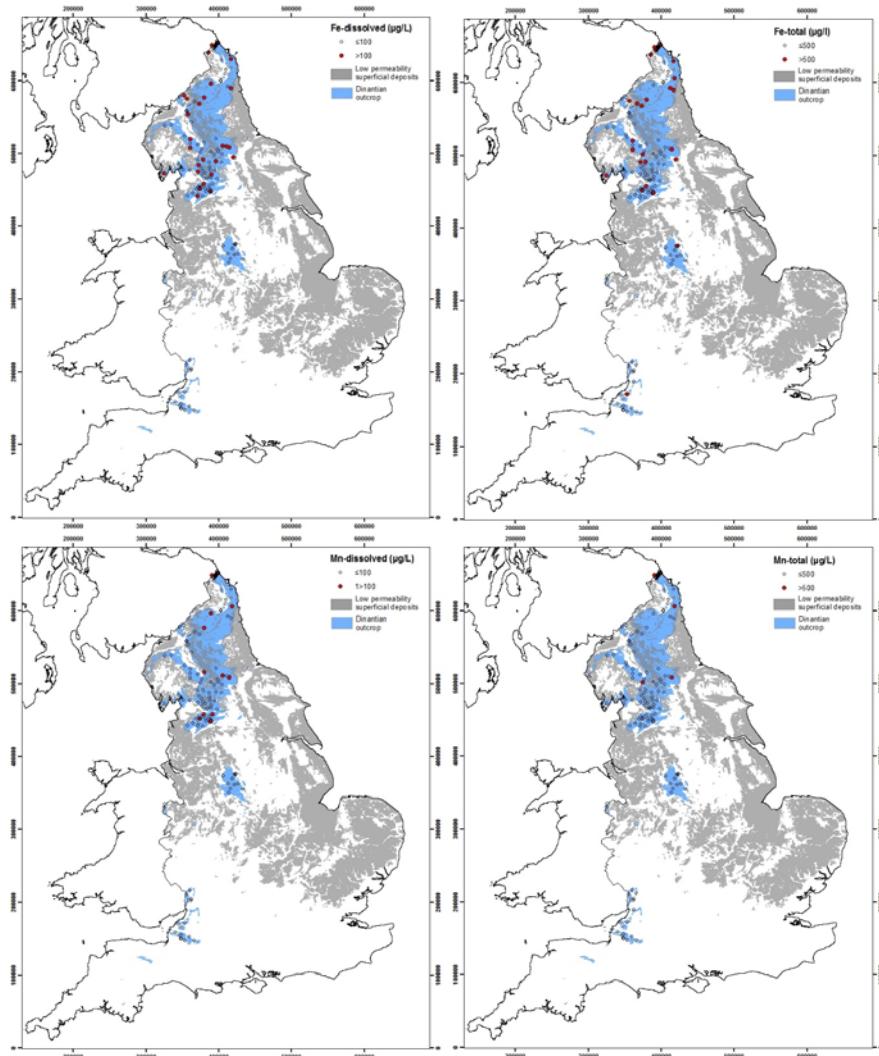


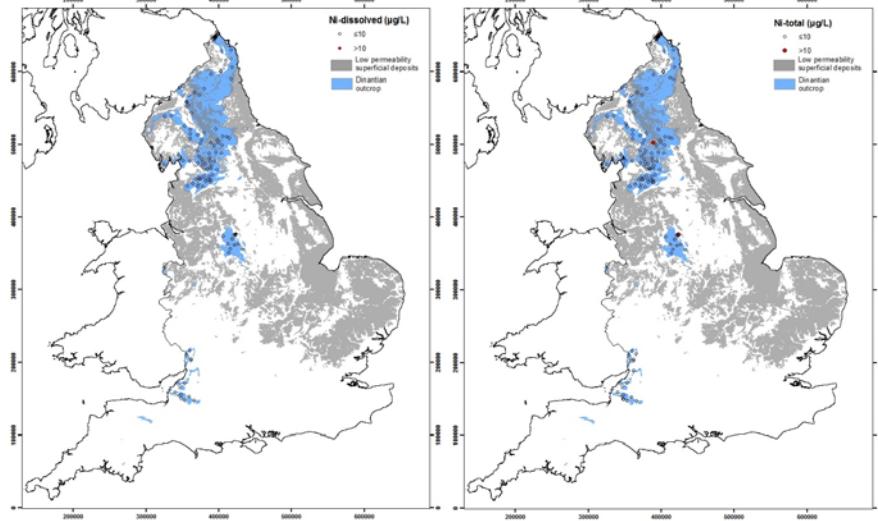
DINANTIAN (LOWER CARBONIFEROUS)

N species

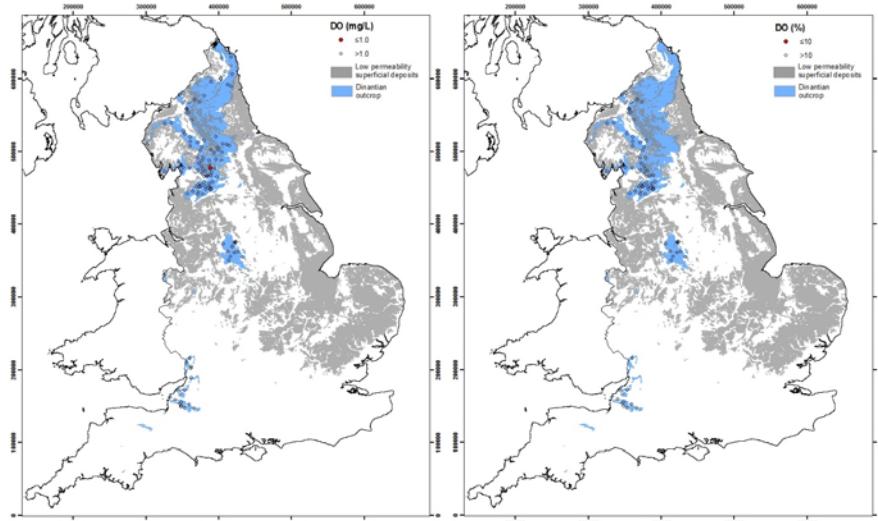


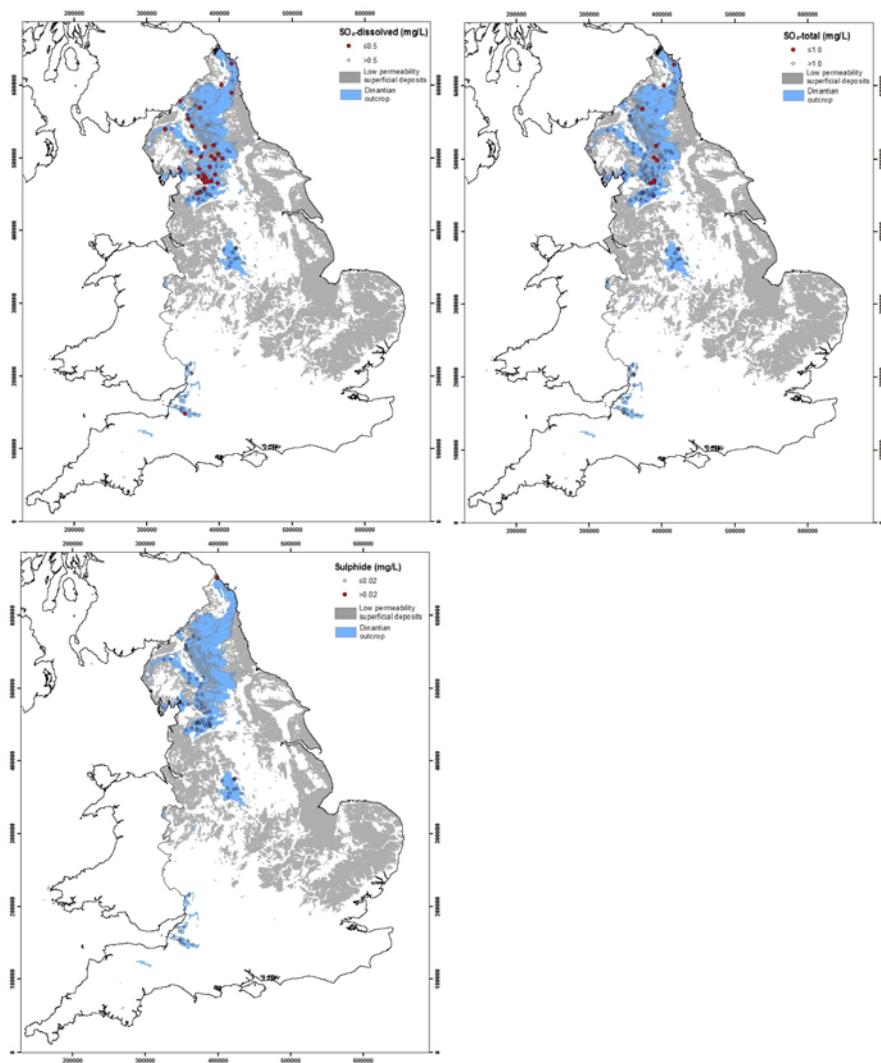
Trace metals



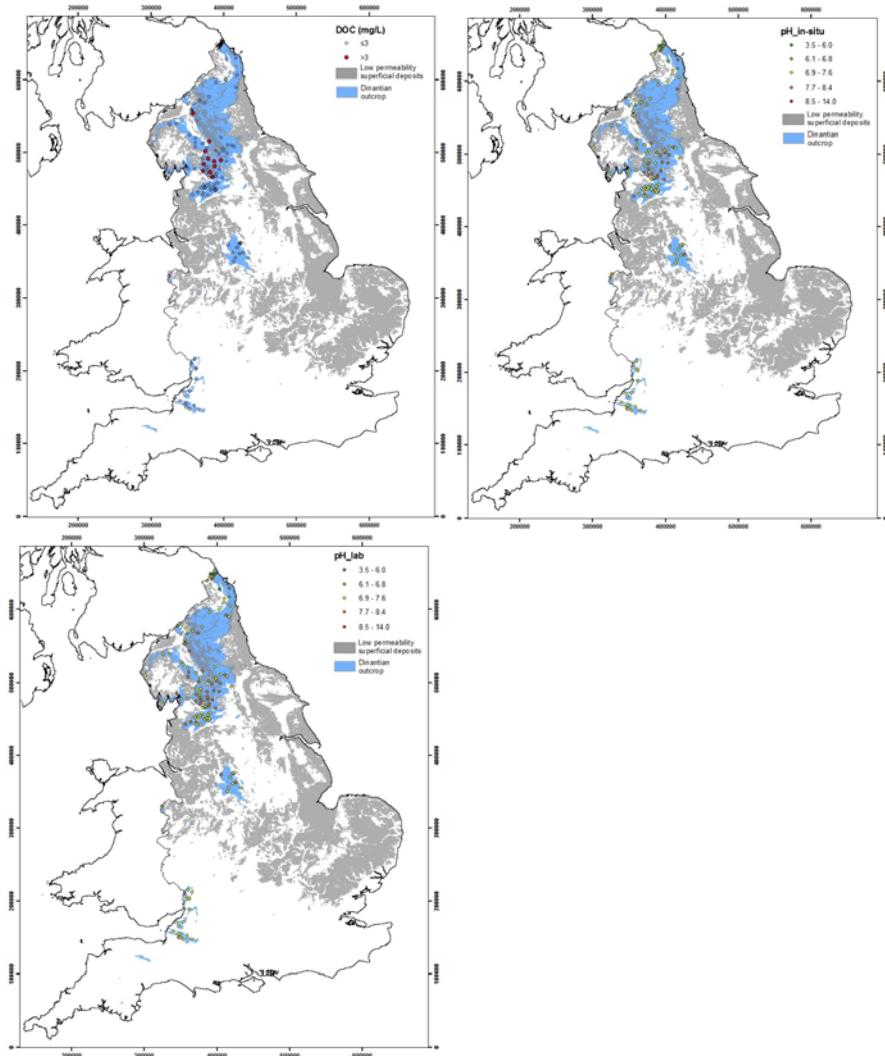


Oxygen and S species

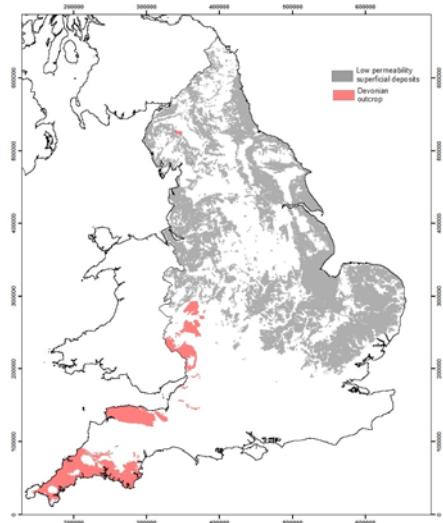




DOC and pH

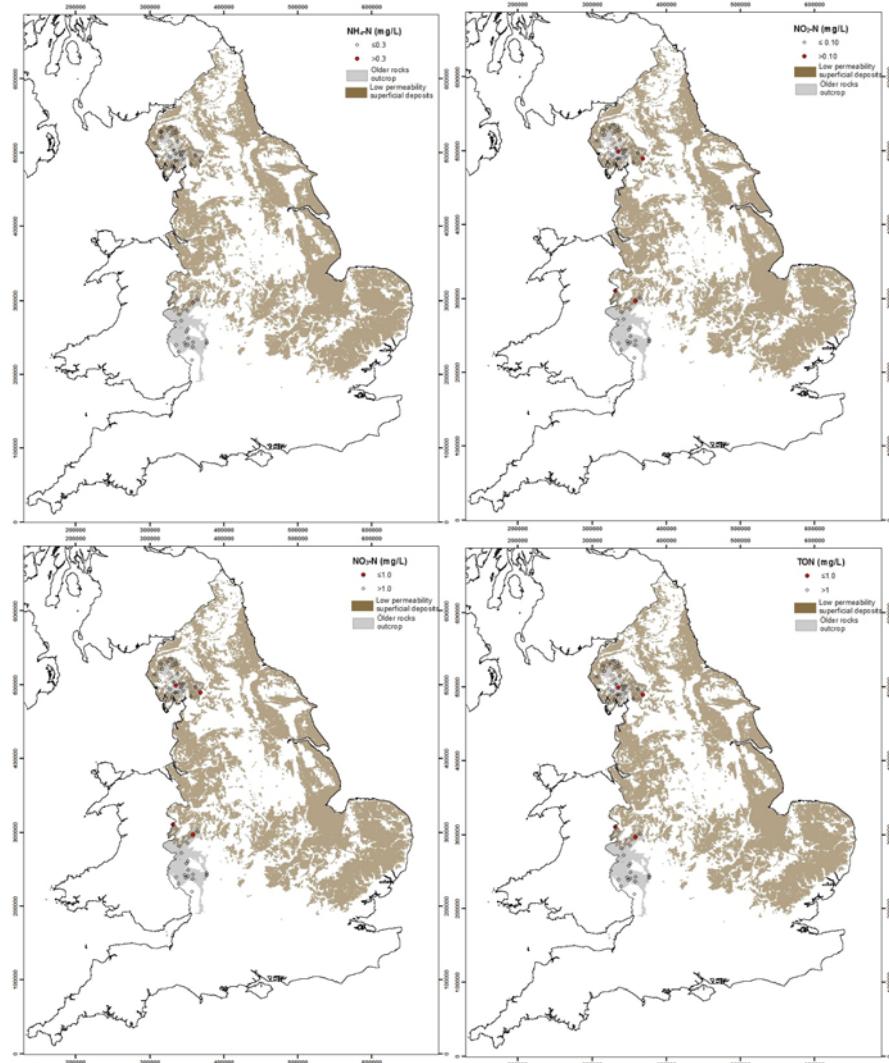


DEVONIAN

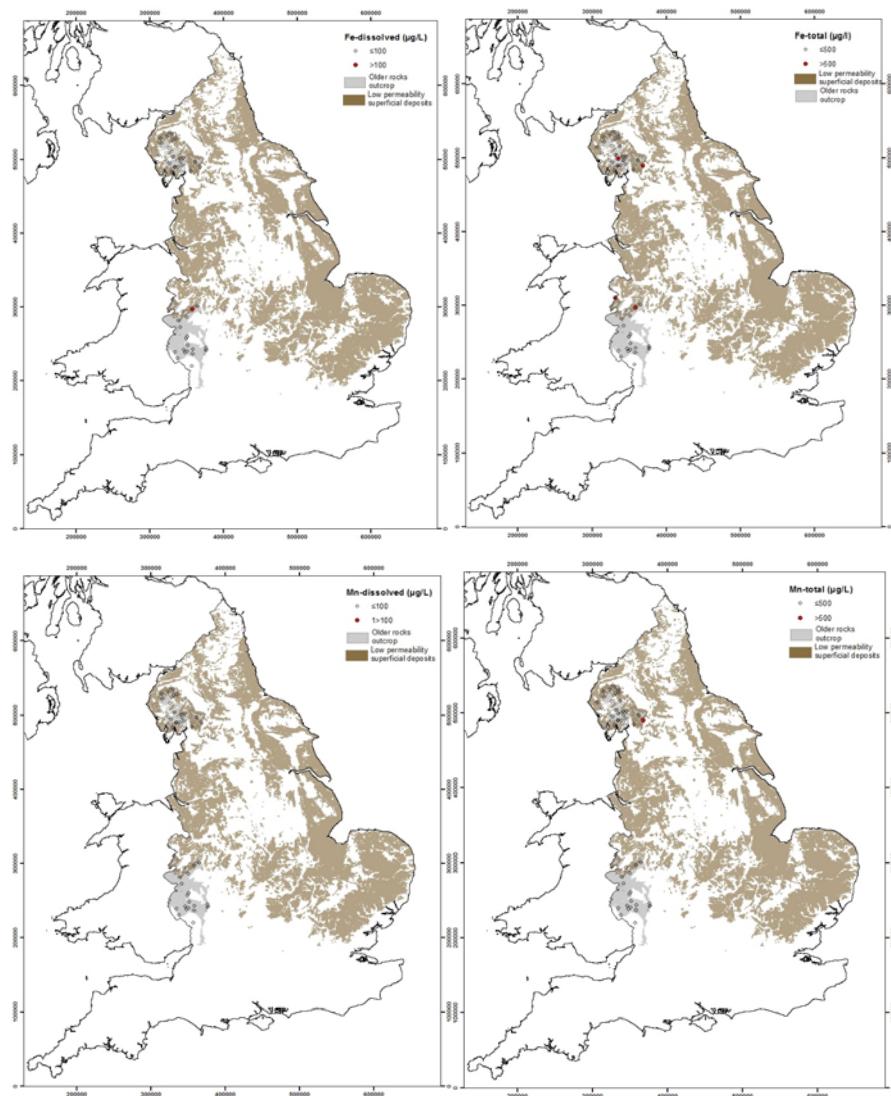


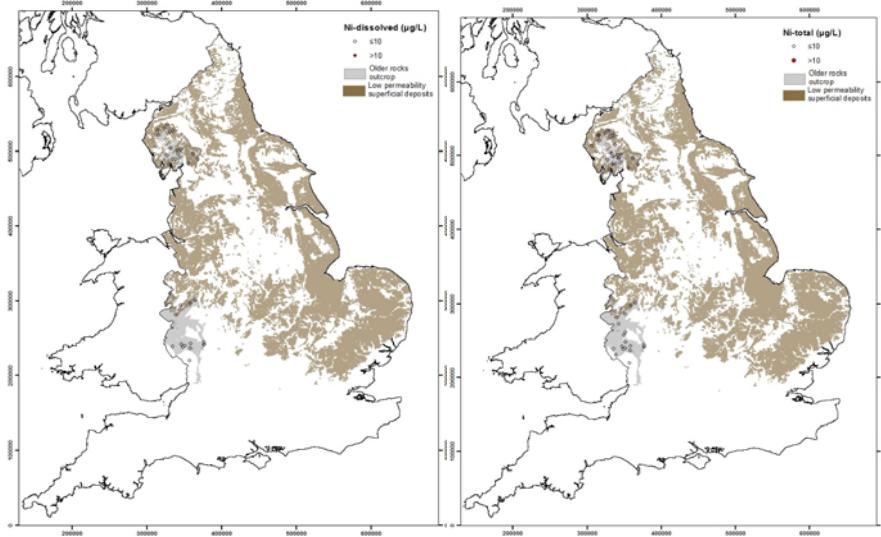
OLDER

N-species

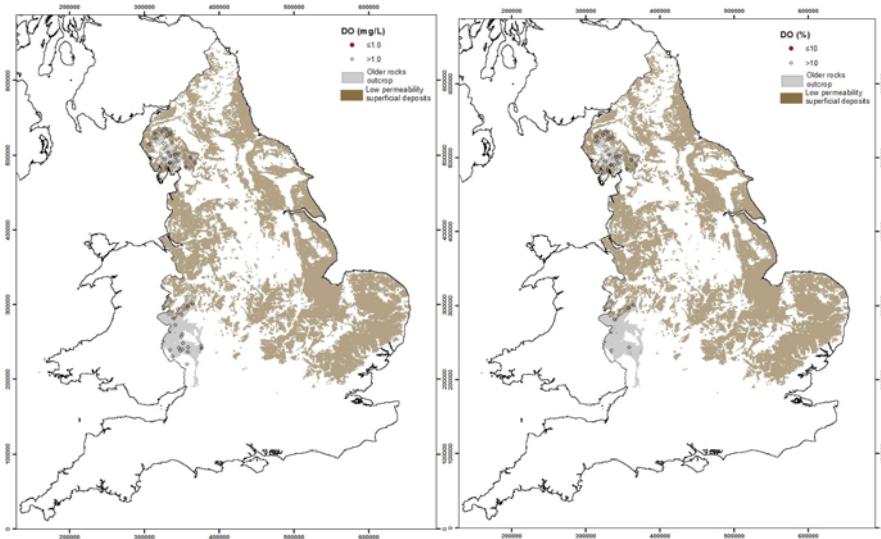


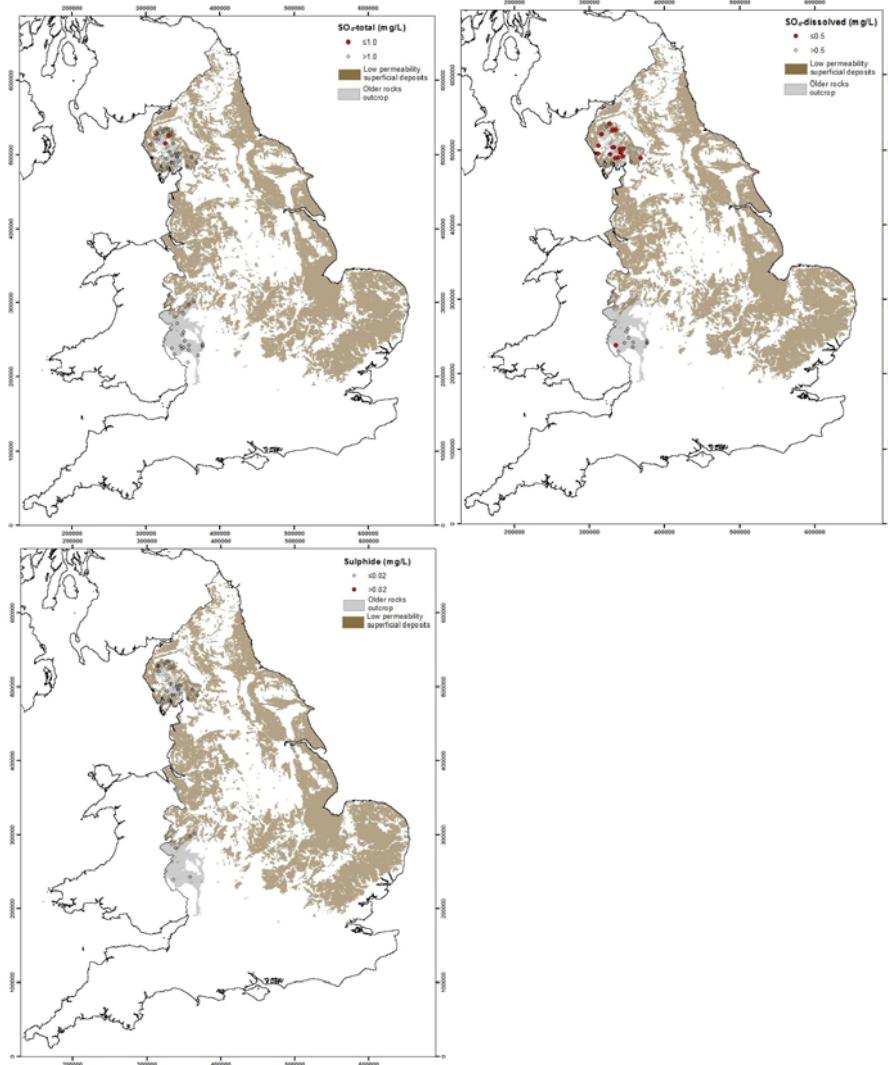
Trace metals



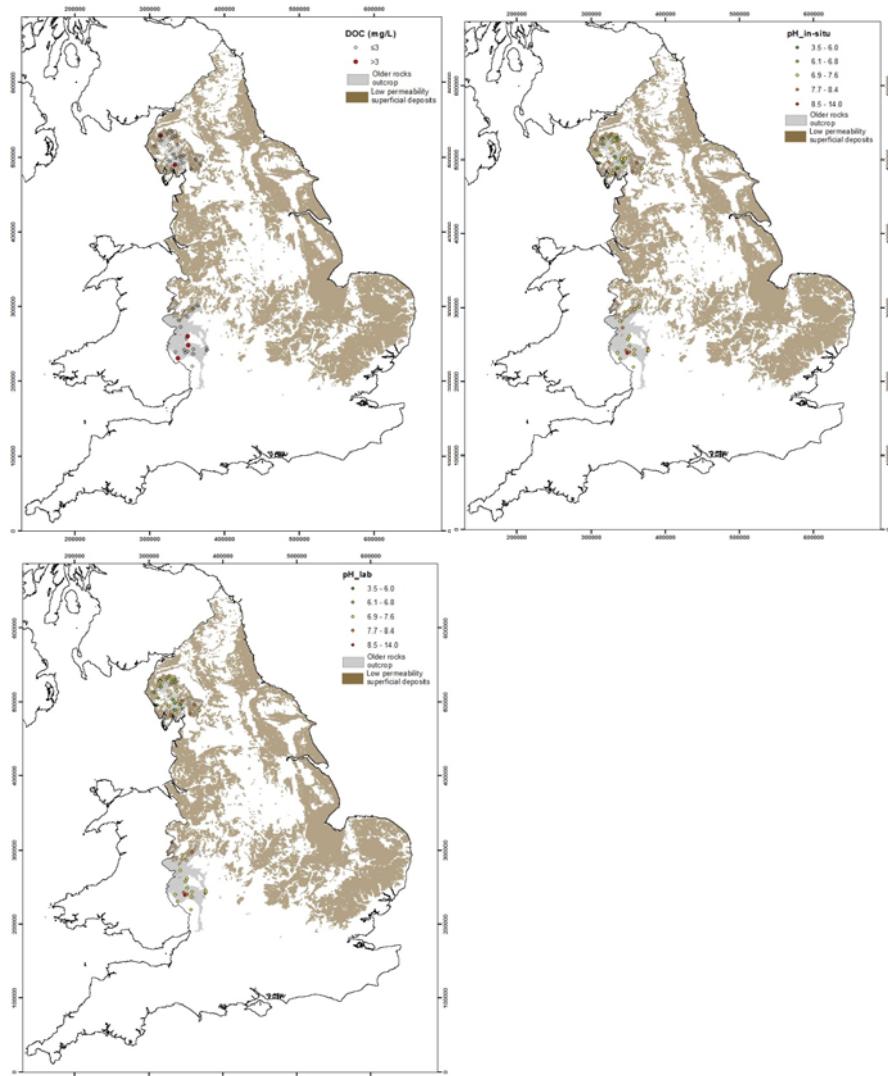


DO and S-species



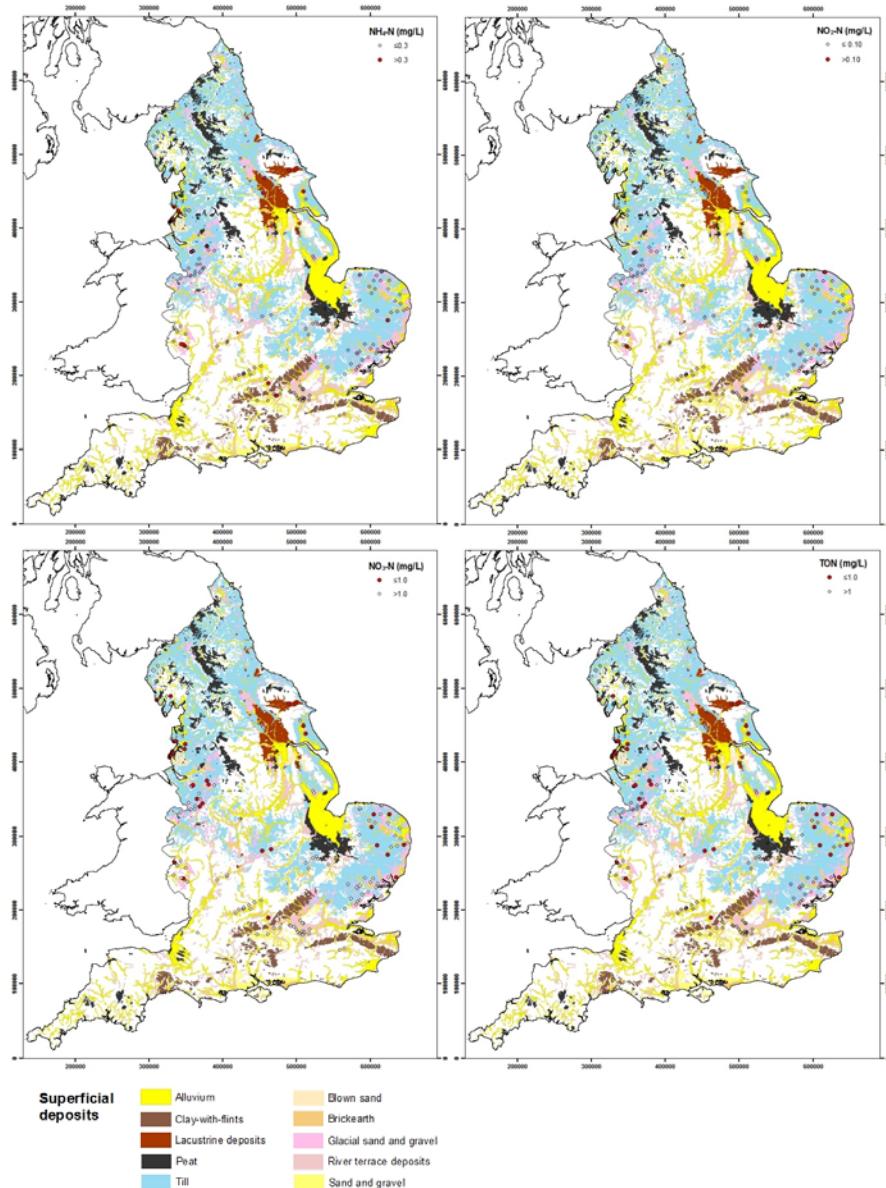


DOC and pH

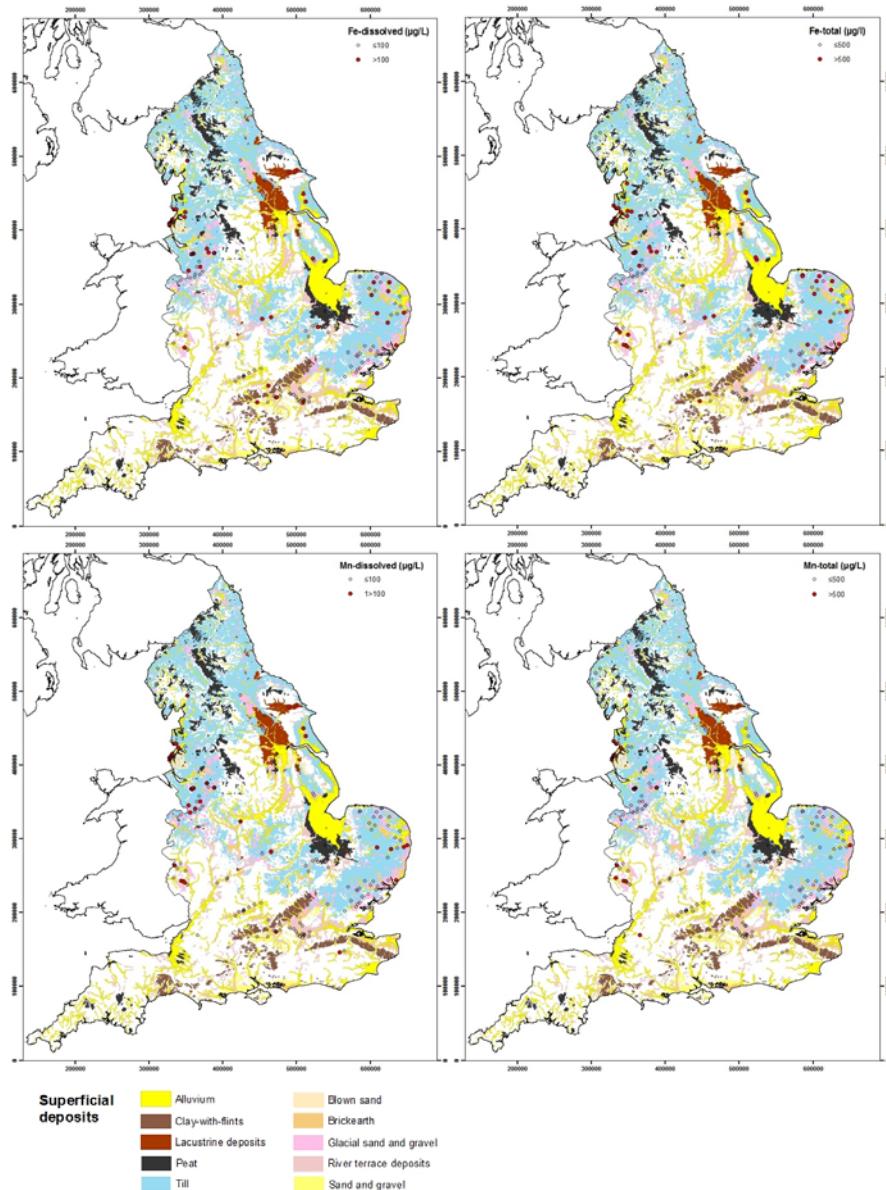


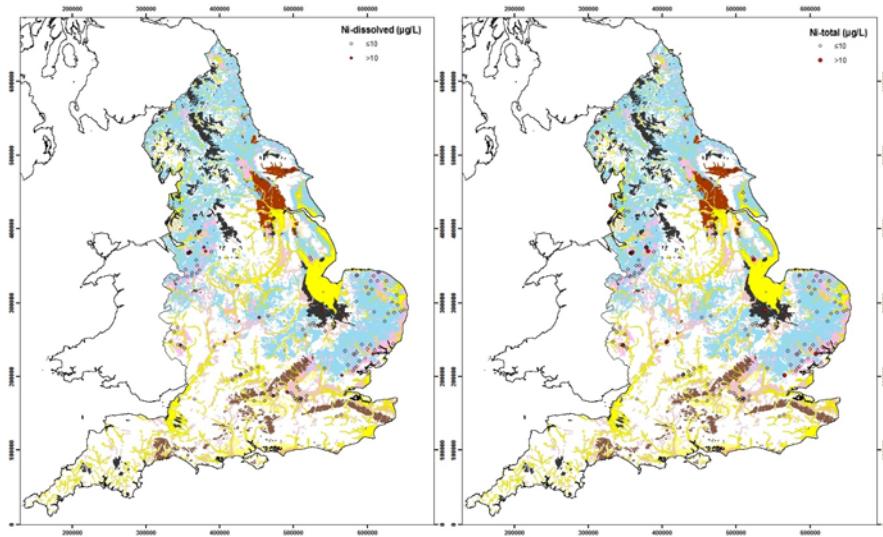
A2.3 SUPERFICIAL DEPOSITS

N-Species

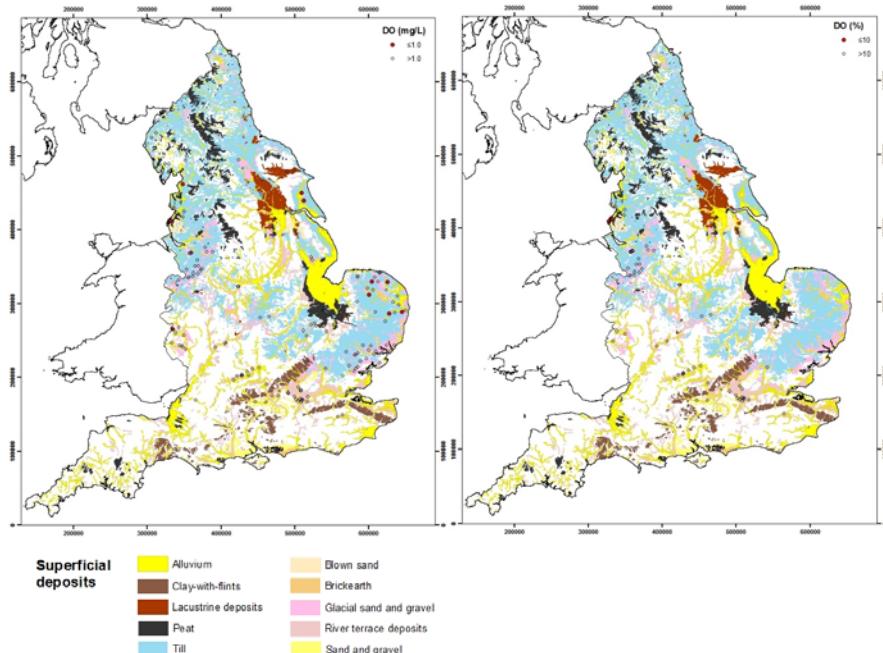


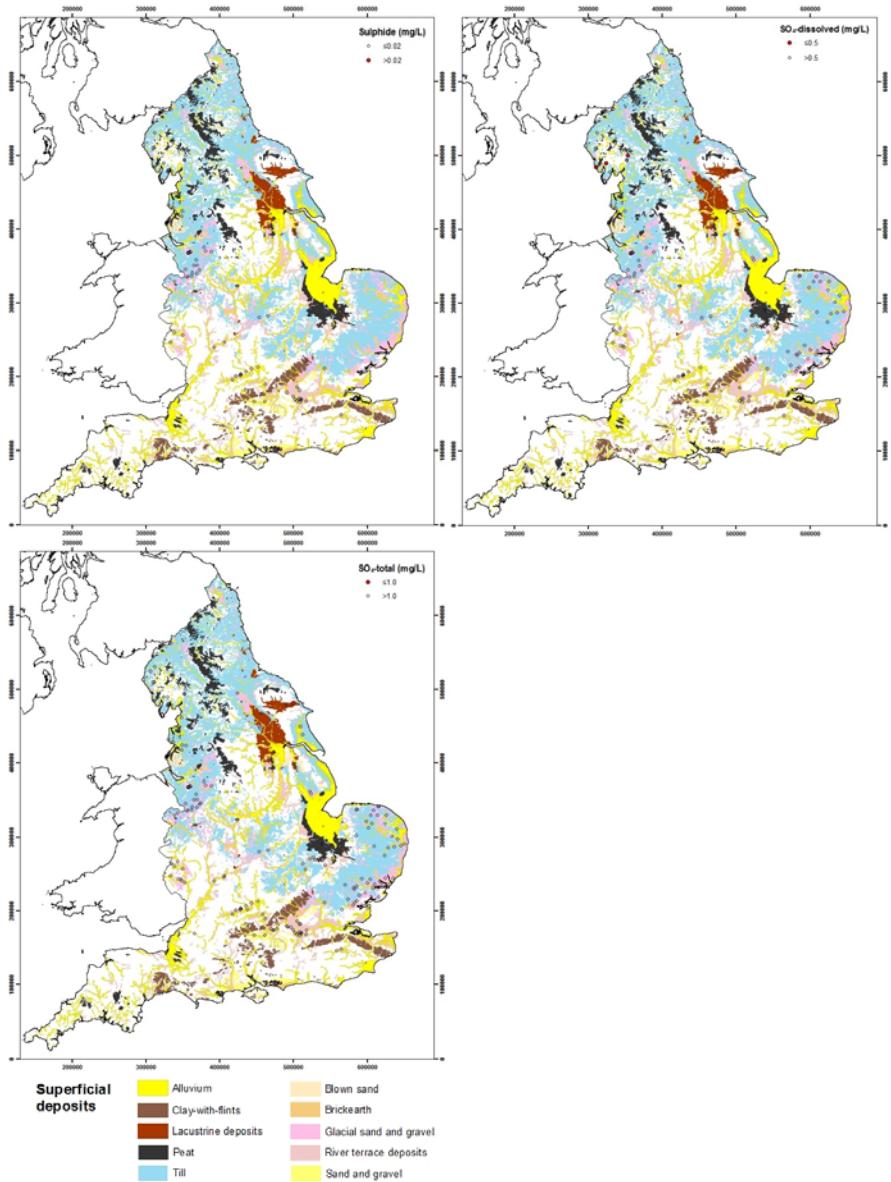
Trace metals





Oxygen and S species





DOC and pH

