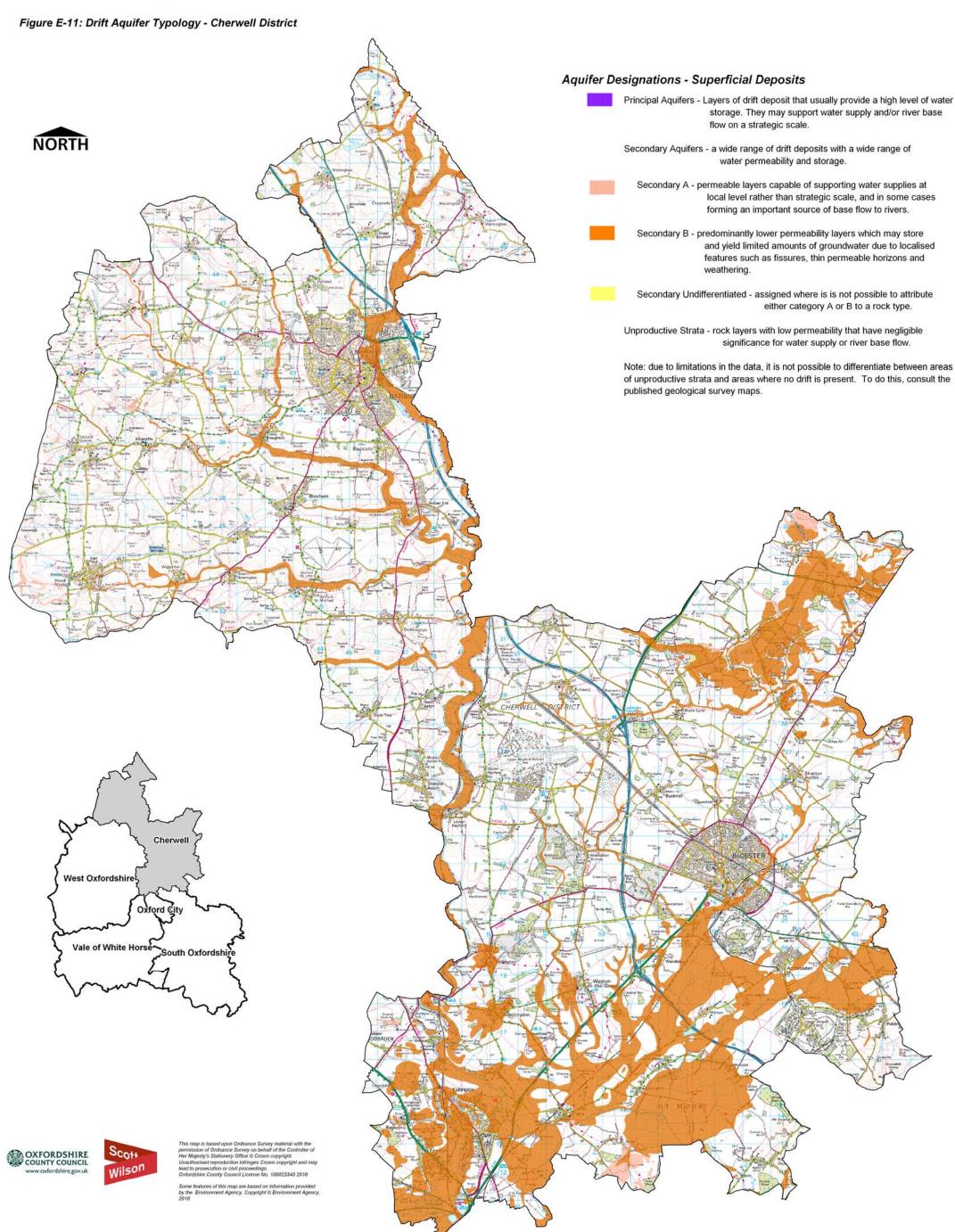
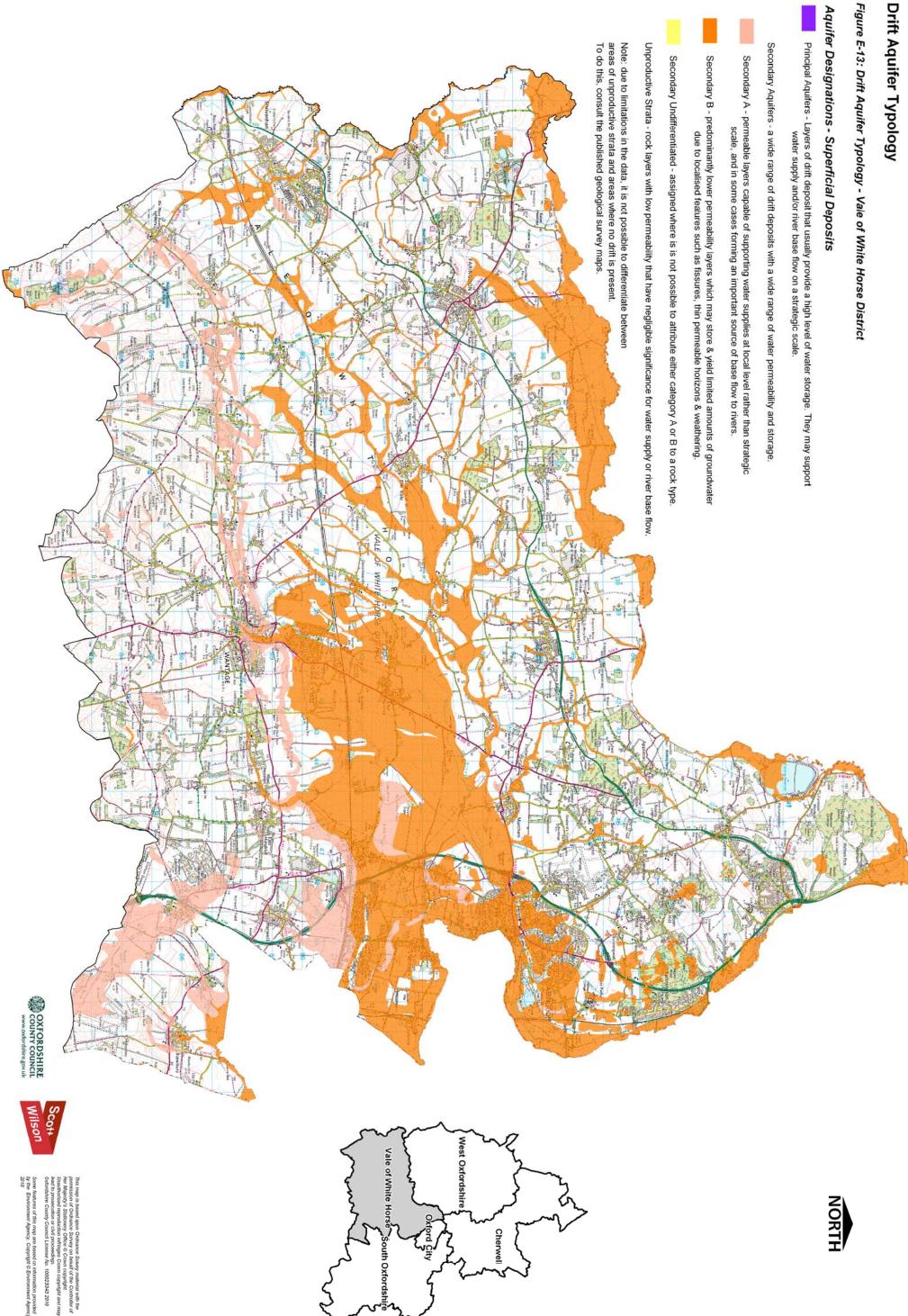
Drift Aquifer Typology



Drift Aquifer Typology Aquifer Designations - Superficial Deposits Figure E-12: Drift Aquifer Typology - South Oxfordshire District & Oxford City Principal Aquifers - Layers of drift deposit that usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale. Secondary Aquifers - a wide range of drift deposits with a wide range of water permeability and storage. Secondary A - permeable layers capable of supporting water supplies at local level rather than strategic scale, and in some cases forming an important source of base flow to rivers. Secondary B - predominantly lower permeability layers which may store and yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. Secondary Undifferentiated - assigned where is is not possible to attribute either category A or B to a rock type. Unproductive Strata - rock layers with low permeability that have negligible significance for water supply or river base flow. Note: due to limitations in the data, it is not possible to differentiate between areas of unproductive strata and areas where no drift is present. To do this, consult the published geological survey maps. Cherwell West Oxfordshire Vale of White Horse South Oxfordshire Scott OXFORDSHIRE COUNCIL

Aquifer Designations - Superficial Deposits

scale, and in some cases forming an important source of base flow to rivers



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Drift Aquifer Typology

Figure E-14: Drift Aquifer Typology - West Oxfordshire District

NORTH Aquifer Designations - Superficial Deposits Principal Aquifers - Layers of drift deposit that usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale. Secondary Aquifers - a wide range of drift deposits with a wide range of water permeability and storage. Secondary A - permeable layers capable of supporting water supplies at local level rather than strategic scale, and in some cases forming an important source of base flow to rivers. Secondary B - predominantly lower permeability layers which may store and yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. Secondary Undifferentiated - assigned where is is not possible to attribute either category A or B to a rock type. Unproductive Strata - rock layers with low permeability that have negligible significance for water Note: due to limitations in the data, it is not possible to differentiate between areas of unproductive strata and areas where no drift is present. To do this, consult the published geological survey maps. West Oxfordshire Oxford City Vale of White Horse South Oxfordshire This map is based upon Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosection or civil proceedings:
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