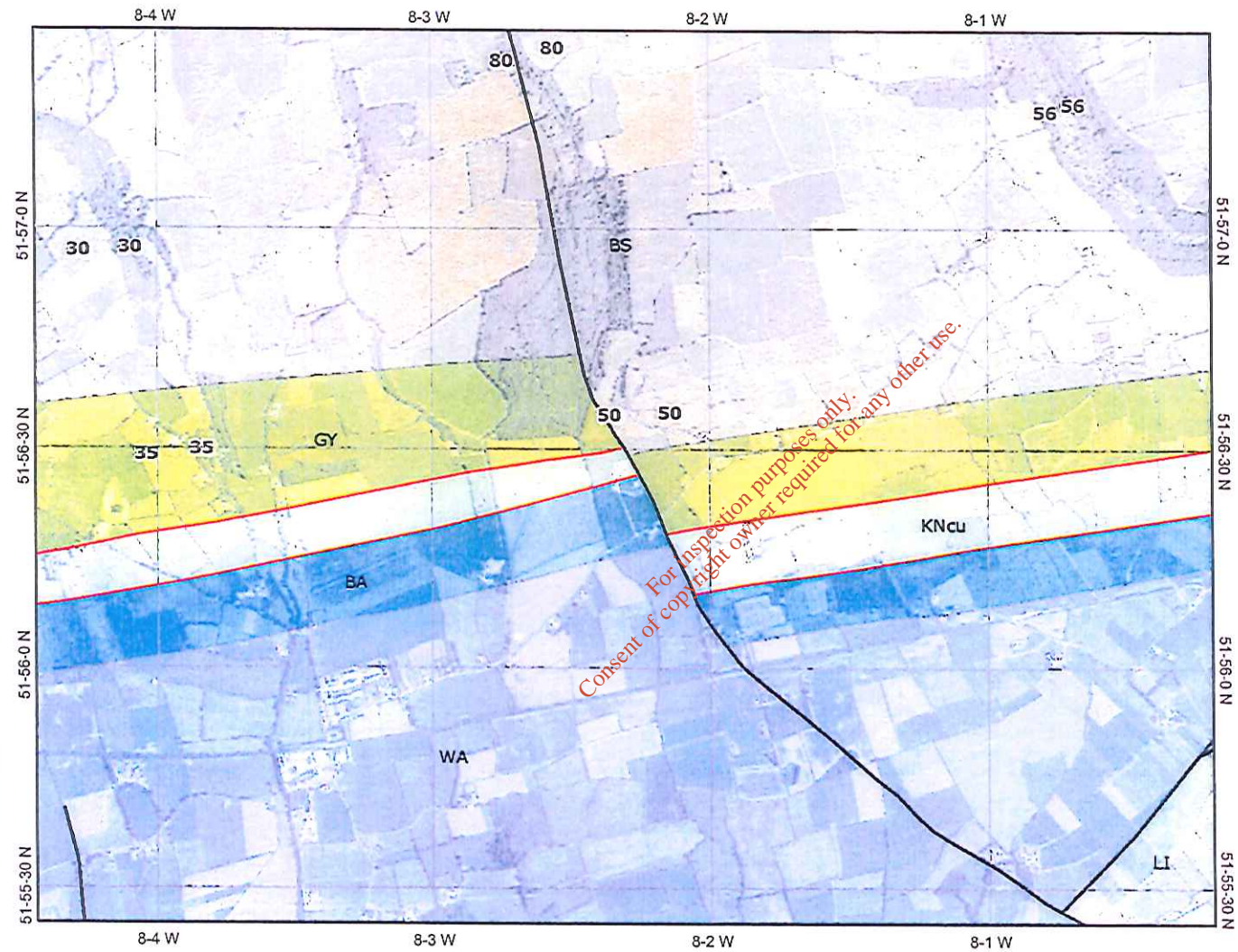


APPENDIX E

GSI Webmapping Data

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Figure 1 - Bedrock Geology



Legend

Symbol Labels 100k
 Cross Section Labels
 Symbols 100k
 Cross Sections 100k
 100k Structural Linework

- Anticlinal axis
- Antiformal axis
- Fault
- line of cross section
- Slide
- Synclinal axis
- Synformal axis
- Thrust

100k Stratigraphical Linework

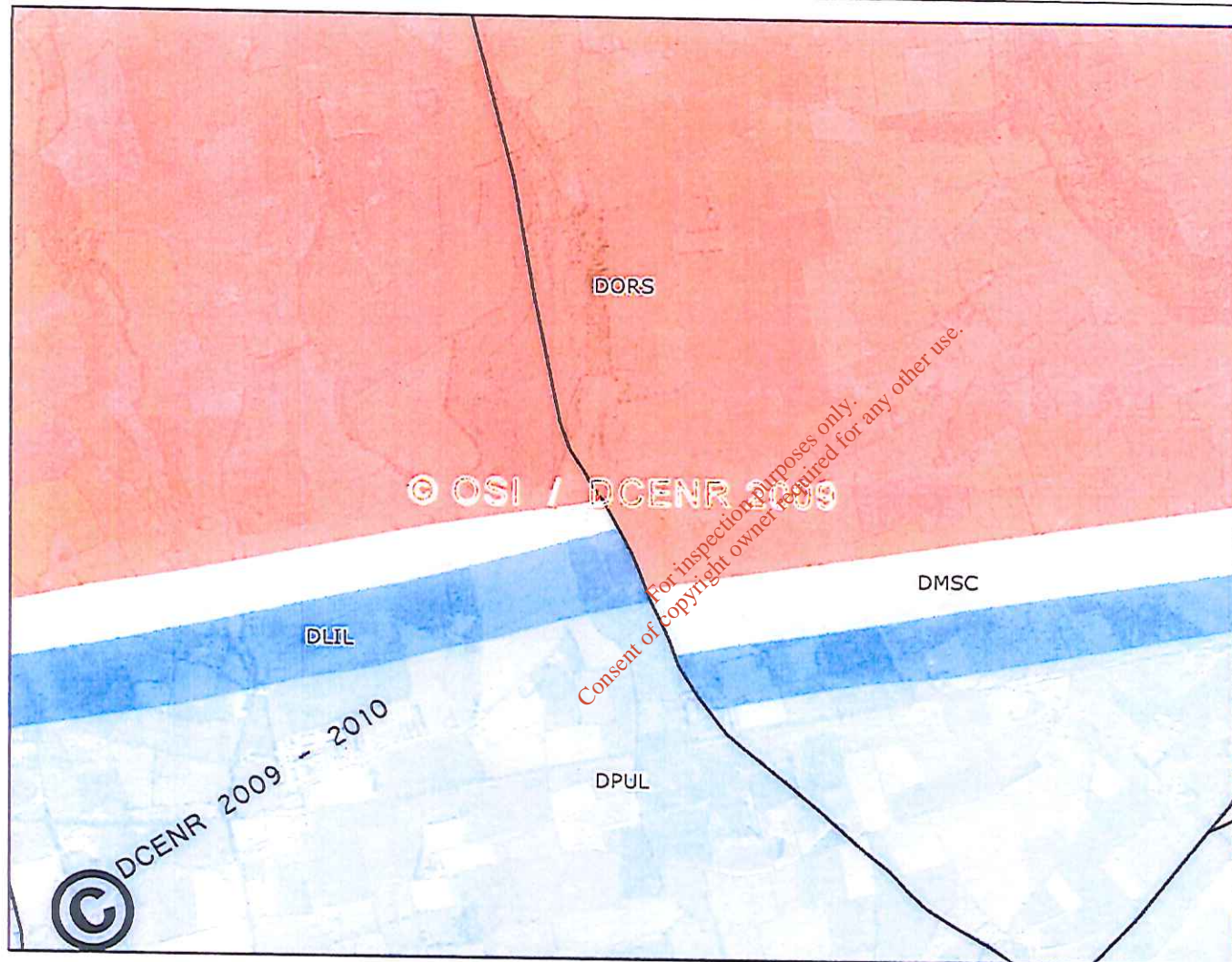
- Area of abundant P-dykes
- Area of fine-grained metabasite pods
- Basalt with mantle xenoliths (Bx)
- Boundary of felsic igneous intrusion
- Boundary of dolomitization
- Boundary of igneous intrusion
- Boundary of raft cluster within MdGr
- Boundary of volcanic b
- Coal seam
- Dyke/Sill
- Ghost Line
- Limit of MdGr D6 granitic sheets
- Limit of granite sheeting (Ox Mountains)
- Lithological boundary
- Metadolerite sheet
- Outer limit of high-grade aureole
- Outer limit of metamorphic aureole
- Shear zone boundary
- Stratigraphic marker (diagrammatic)
- Tertiary dolerite dyke
- Tertiary dyke

Map center: 197347, 76480

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Figure 2 - Generalised Bedrock Map



Legend

- Bedrock Faults 100k
- BV - Basalts and other Volcanic rocks
- CM - Cambrian Metasediments
- DDL - Dinantian Dolomitic Limestones
- DESSL - Dinantian early Sandstones, Shales and Limestones
- DKS - Devonian Kiltorcan type Sandstones
- DLIL - Dinantian Lower impure Limestones
- DMSC - Dinantian Mudstones and Sandstones Cork Group
- MSSL - Dinantian Mixed Sandstones, Shales and Limestones
- DORS - Devonian Old Red Sandstones
- DPBL - Dinantian Pure Bedded Limestones
- DPUL - Dinantian Pure Unbedded Limestones
- DS - Dinantian Sandstones
- DSL - Dinantian Shales and Limestones
- DUIL - Dinantian Upper impure Limestones
- GI - Granites and other Igneous Intrusive rocks
- NSA - Namurian Sandstones
- NSH - Namurian Shales
- NU - Namurian Undifferentiated
- OM - Ordovician Metasediments
- OV - Ordovician Volcanics
- PM - Precambrian Marbles
- PQGS - Precambrian Quartzites, Gneisses and Schists
- PTMG - Permo Triassic Mudstones and Gypsum
- PTS - Permo Triassic Sandstones
- SMV - Silurian Metasediments and Volcanics
- WSA - Westphalian Sandstones
- WSH - Westphalian Shales

Watermark

0 650 1300 1950 m.

Map center: 197441, 76655

Scale: 1:25,000

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Snapshot Date: 30-Apr-2010



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Sources: EPA, OSI, Teagasc, GSI, NPWS. Printing authorised for personal investigation of environmental issues.
Warning: The EPA does not guarantee the accuracy of data presented on this viewer and is not responsible for incorrect interpretation. If accuracy is important, it is recommended that you obtain a copy of the original maps on which the information is based and verify its accuracy.
If you are printing from Firefox, please stop the download by clicking the X button before printing.

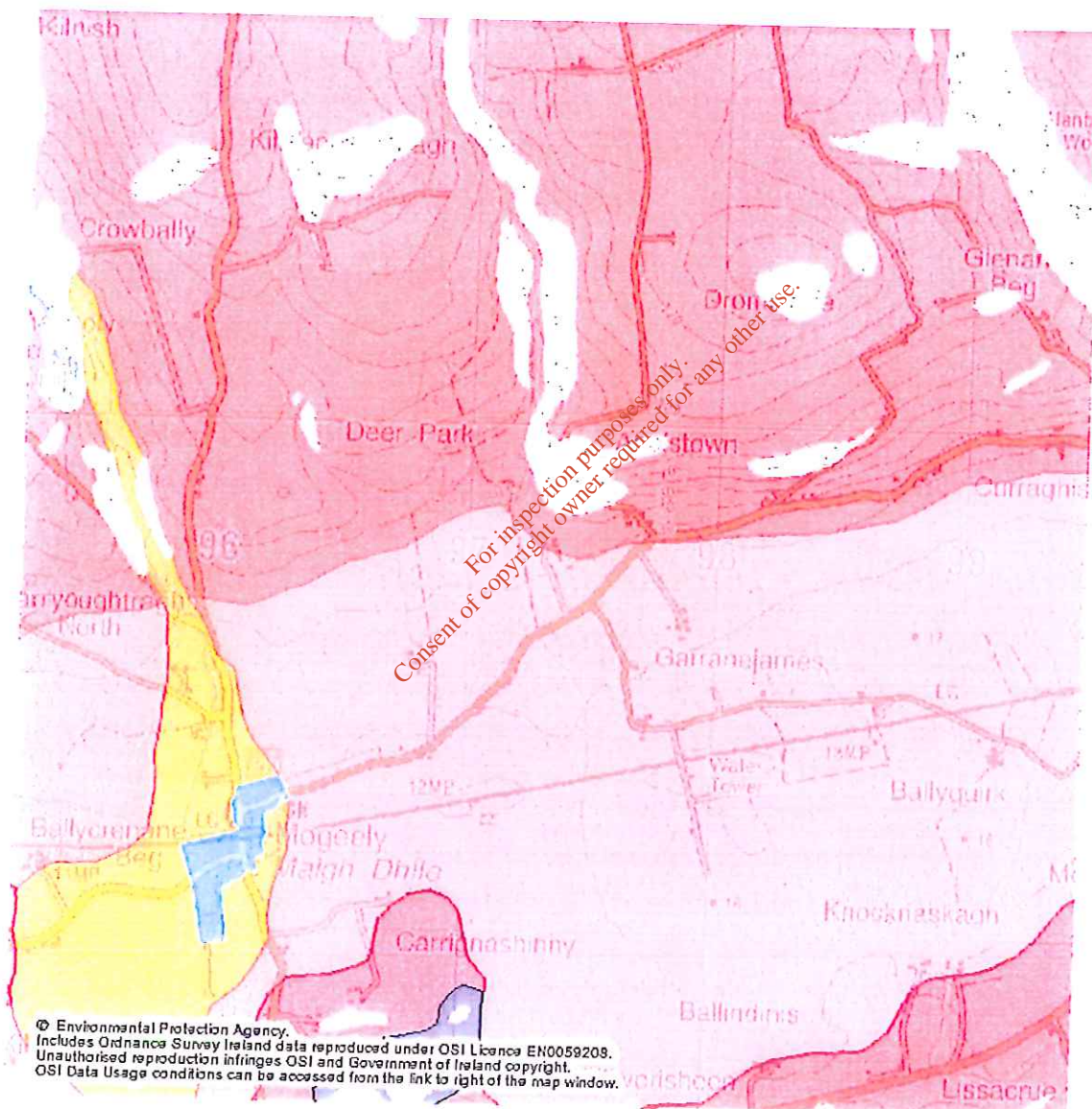




Figure 4 - Subsoils Map



Legend

South Western RBD Subsoils

- Alluvium
- Beach sands and gravels
- Bedrock outcrop and subcrop
- Esker sands and gravels
- Glaciofluvial sands and gravels
- Irish Sea till
- Lake sediments
- Made ground
- Marine/estuarine silts and clays
- Marsh
- Peat
- Scree
- Till derived chiefly from Devonian sandstones
- Till derived chiefly from Lower Palaeozoic rocks
- Till derived chiefly from Namurian rocks
- Till derived chiefly from basic igneous rocks
- Till derived chiefly from limestone
- Till derived from mixed Devonian and Carboniferous rocks
- Water
- Windblown sands
- Watermark

0 650 1300 1950 m.

Map center: 197441, 76655



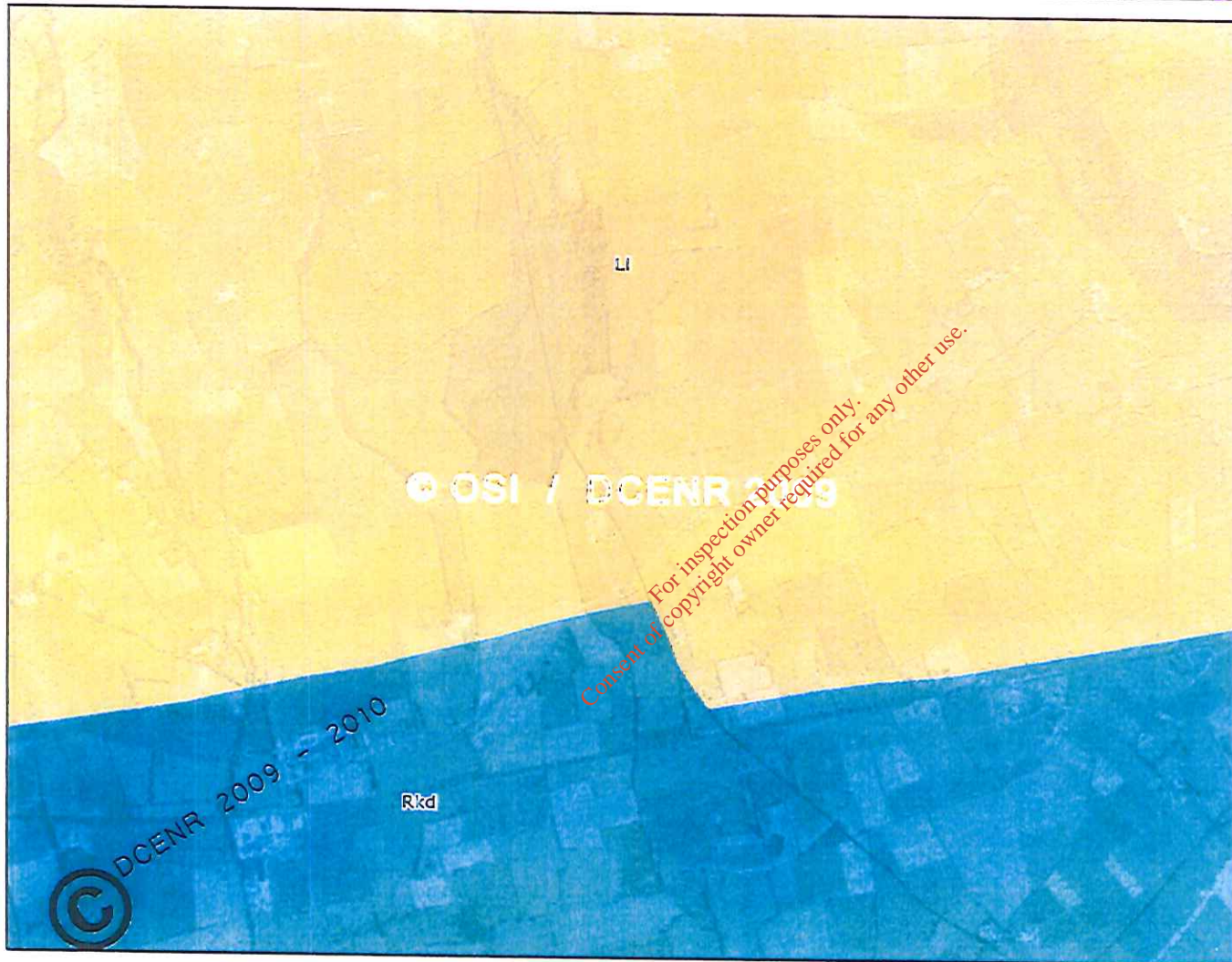
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Snapshot Date: 30-Apr-2010



Figure 5 - Aquifer Map



Legend

National Draft Bedrock Aquifer Map

- Rf - Regionally Important Aquifer - Fissured bedrock
- Rk - Regionally Important Aquifer - Karstified
- Rkd - Regionally Important Aquifer - Karstified (diffuse)
- Rkc - Regionally Important Aquifer - Karstified (conduit)
- Lm - Locally Important Aquifer - Bedrock which is Generally Moderately Productive
- Lk - Locally Important Aquifer - Karstified
- LI - Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones
- Pl - Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones
- Pu - Poor Aquifer - Bedrock which is Generally Unproductive
- Unclassified

National Draft Gravel Aquifer Map

- Rg - Regionally important, extensive sand/gravels aquifers
- Lg - Locally important, sand/gravel aquifers
- No gravels present
- Not Mapped
- Bedrock Faults 100k
- Watermark

0 650 1300 1950 m.

Map center: 197441, 76655



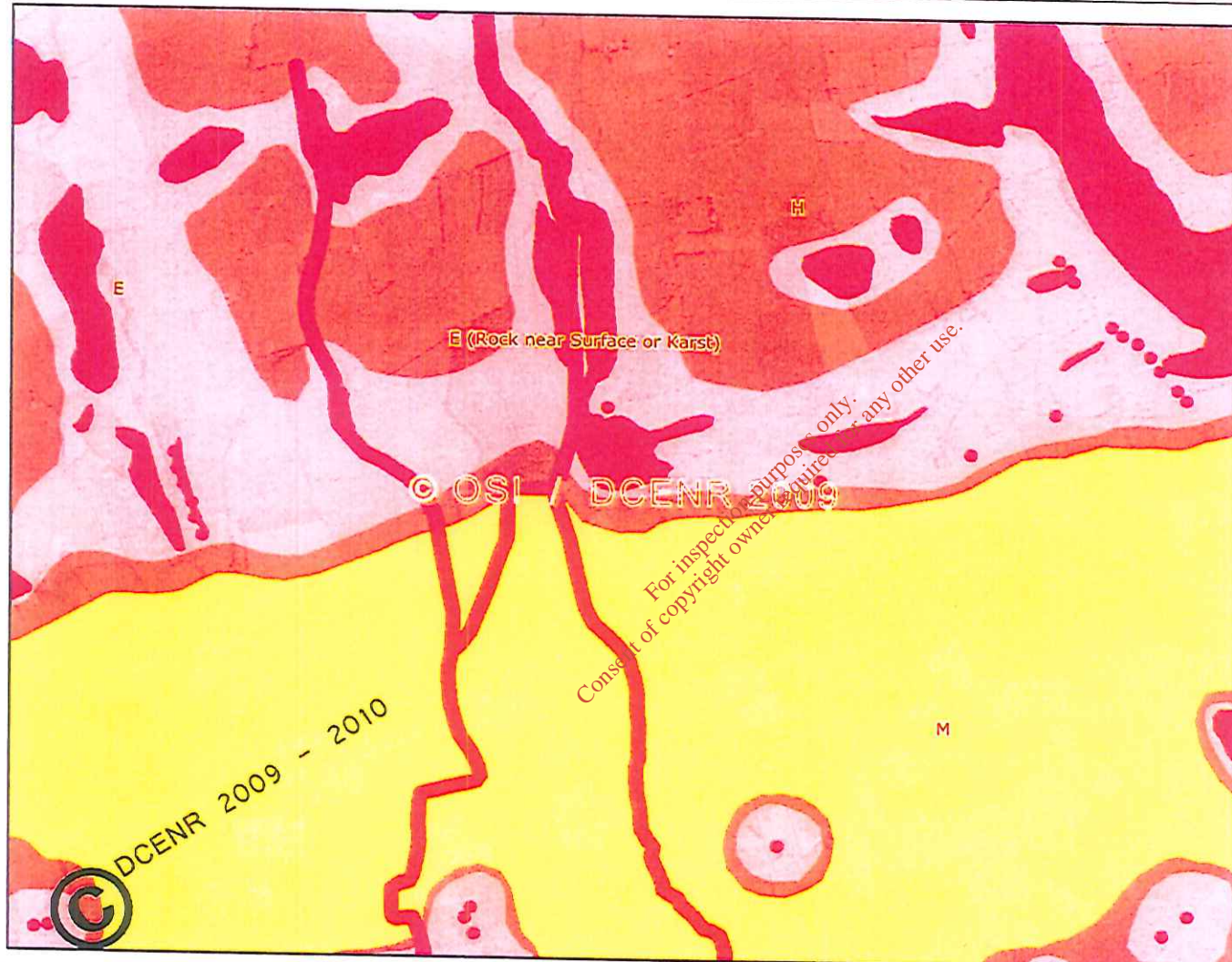
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Snapshot Date: 30-Apr-2010



Figure 6 - Vulnerability Map



- Legend**
 South Western Interim Vulnerability
- E (Rock near Surface or Karst)
 - E - Extreme
 - H - High
 - M - Moderate
 - L - Low
 - HL - High to Low. Only an interim study took place.
 - Water
 - Watermark

0 650 1300 1950 m.

Map center: 197441, 76655

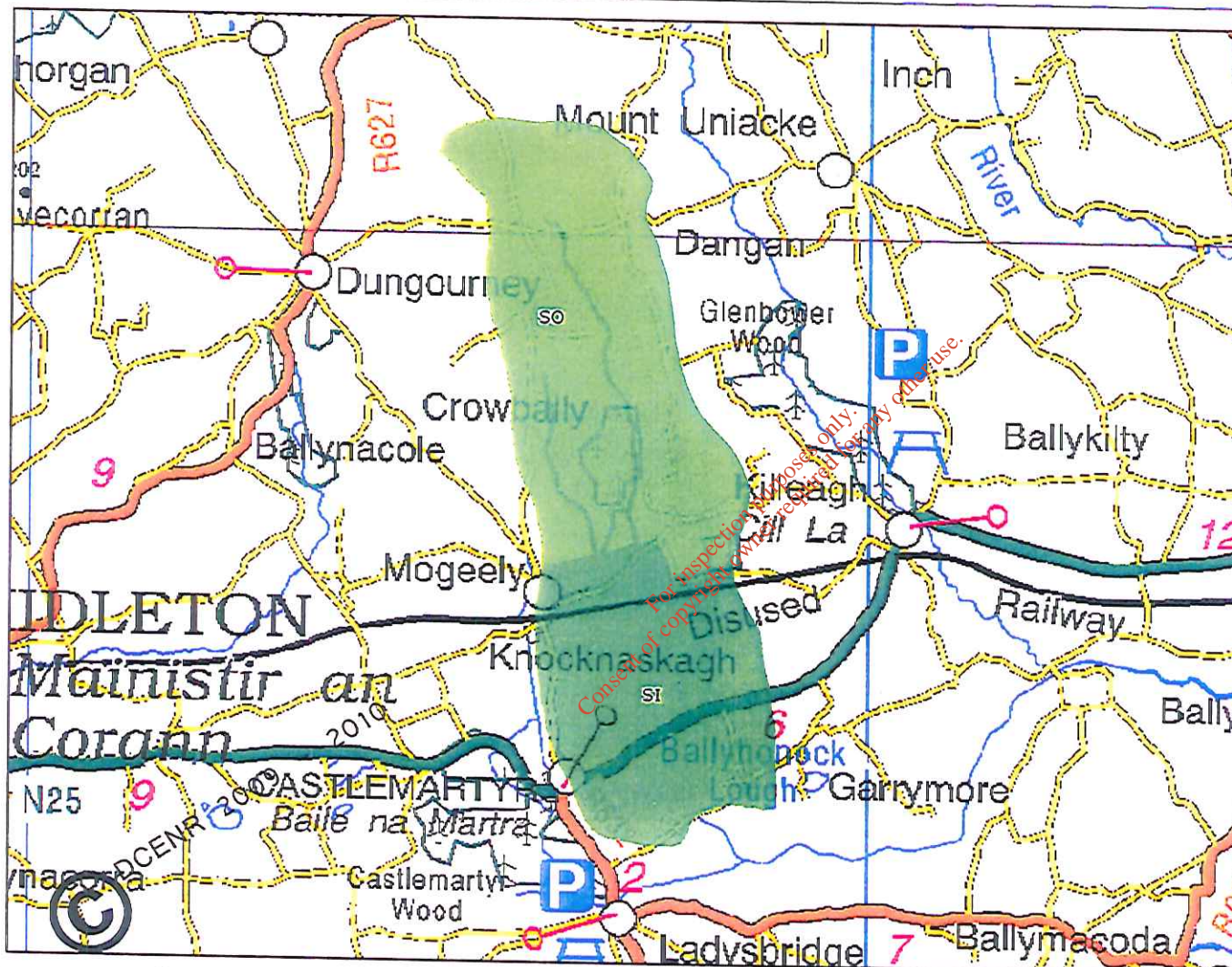
Scale: 1:25,000

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Snapshot Date: 30-Apr-2010



Figure 7 - Dower Spring Source Protection Area



Legend

Source Protection Area

- SI - Inner Protection Area
- SO - Outer Protection Area

Scale: 1:76,000

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Map center: 197114, 76866

Snapshot Date: 02-Jul-2010