

This Addendum is made the 1 day of April 2003.

BETWEEN:

- (1) THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS of 17 Smith Square, London SW1P 3JR (the "Secretary of State");
- (2) THE CONTROLLER OF HER MAJESTY'S STATIONERY OFFICE of St. Clements House, 2-16 Colegate, Norwich, NR3 1BQ (the "Controller"); and
- (3) CRANFIELD UNIVERSITY of Wharley End, Cranfield, Bedford, MK43 0AL ("Cranfield").

WHEREAS:

- (A) By virtue of the Ministry of Agriculture, Fisheries and Food (Dissolution) Order 2002/794, the Ministry of Agriculture, Fisheries and Food was dissolved on 27th March 2002 and all the functions of the Minister of Agriculture, Fisheries and Food were transferred to the Secretary of State.
- (B) On 1st August, 2001, the SSLRC was incorporated into the National Soil Resources Institute ("NSRI").
- (C) NSRI (and formerly SSLRC) have invested significant resources in the development of the New Map Rights.
- (D) It has been agreed that the LandIS Agreement be amended on the terms of this Addendum.

NOW IT IS HEREBY AGREED as follows:

1. DEFINITIONS

1.1 In this Addendum, terms defined in the LandIS Agreement shall have the same meanings in this Addendum unless expressly set out herein.

1.2 In this Addendum, the following terms shall have the following meaning:

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|--------------------|---|
| "LandIS Agreement" | means the agreement between The Minister of Agriculture, Fisheries and Food, Controller of HMSO and Cranfield University dated 3rd September, 1999. |
| "New Map Rights" | means all IPRs owned by Cranfield relating to those parts of LandIS detailed in Part 3 of Schedule 1 hereto (excluding any Pre-1987 Rights) |
| "Support Services" | means the services relating to the support of LandIS as set out in Schedule 3 hereto. |

"Year" means the period from 1st April 2002 to 31st March 2003 and each subsequent year.

1.3 All references to MAFF in the LandIS Agreement shall, unless the context otherwise requires, be deemed to refer to the Secretary of State and all references to SSLRC shall, unless the context otherwise requires, be deemed to refer to NSRI.

1.4 Save where expressly stated, the LandIS Agreement shall remain in full force and effect. In the event of any inconsistency between the LandIS Agreement and this Addendum, the terms of this Addendum shall prevail.

2. LANDIS

2.1 In consideration for the payments to be made by the Secretary of State set out in this Addendum, the parties hereto agree that the New Map Rights shall be included within LandIS and the definition of "LandIS" in the LandIS Agreement is hereby amended to include the New Map Rights.

2.2 Schedule 1, of the LandIS Agreement shall be deleted and replaced with Schedule 1 (Parts 1, 2 and 3) hereto.

2.3 The data sets referred to in Schedule 2 to this Addendum form part of the Pre-1987 Rights, but are superseded as a result of the data contained within the New Map Rights. The parties acknowledge that these data sets will be archived and will only be made available with the consent of Cranfield, such consent to be granted where it is reasonable to do so and subject to such additional restrictions as may be necessary.

3. PAYMENTS

3.1 Cranfield acknowledge receipt of the sum of £60,000 (plus VAT) in settlement of the Secretary of State's obligation to fund the development of the New Map Rights.

3.2 Prior to the commencement of each Year, Cranfield and the Secretary of State shall agree the Support Services to be provided by Cranfield in consideration of the funding provided by the Secretary of State for such year.

4. CROWN USERS AND RESEARCH

If there is a substantial increase in the levels of Crown User and Research Purpose usage from the levels existing at the date hereof, then the Secretary of State will consider any reasonable request from Cranfield for additional funding to support such increased usage.

5. GOVERNING LAW

This Addendum shall be governed by the laws of England and Wales.

Schedule 1
LandIS

(see attached)

Schedule 1, Part 1, Pre 1987 Rights

| Tablespace | Table Name | Description | Data Origins Source | Data Collection | Table Creation or Modification | | | |
|---|-------------------|---|--|-----------------|--------------------------------|---------------|-----------------|----------------------------|
| | | | | | Date | Last Modified | Commission Year | MAFF Project Code |
| Data collected and entered into LandIS pre 1987 but modified subsequently | | | | | | | | |
| AGROCLIM | MD_5K | Moisture deficits (MD) and potential transpiration (PT) at 5km resolution. | SSLRC 61- 75 970 stations | 61-75 | 86 | 93-96 | 93-96 | LE0309,SR0105 |
| | SERIES_FCZONE | Wetness class and workability assessment codes. | Full profile descriptions | 77 | 85 | 87, 93-96 | 87, 93-96 | (k) LandIS, LE0309,SR0105 |
| | WA_WEIGHTS | Workability assessment codes and autumn, spring weightings. | SSLRC expert systems | 84 | 84 | 93-96 | 93-96 | LE0309,SR0105 |
| AUGERS | AUGER79_HOR | Auger bores (1:250000) horizon details. | Auger bore descriptions from 1:250,000 mapping | 75-82 | 86 | 93-96 | 93-96 | LE0309, SR0105 |
| | AUGER79_SITE | Auger bores (1:250000) site details. | Auger bore descriptions from 1:250,000 mapping | 75-82 | 86 | 93-96 | 93-96 | LE0309, SR0105 |
| CLASSIF | MAJOR_GROUP | Major soil group code and name. Includes major group 9 (man made soils) and 1.5 (man made raw soils). | SSLRC TM14 - subgroup description | 80 | PRE 86 | 92, 93-96 | 92, 93-96 | (k) LandIS, LE0309, SR0105 |
| | SERIES | Soil series. Includes series 4005 (Man made raw soils) and 4008 (Disturbed soils). Series 1145 (LUDGVAN) is in subgroup 09.12. L indicates rationalised in 84 (see TM17). | SSLRC bulletins, memoirs, records Soil series definition see SSLRC TM 17/14 subsequent new series details from John Hollis | 84 | 86 | 95 | 92, 93-96 | (k) LandIS, LE0309, SR0105 |
| GRSOIL | COVENTRY | Map unit symbol (e.g. Sh, wQ). Coventry area. | COVENTRY SOIL MAP at 1:50,000 100m resolution | 84 | 85 | 96 | | SR0105 |
| MAPS | NATMAP_100M | Map unit (run length encoded) in 100m pixels (from 0,0 point). | NATIONAL MAP | 75-82 | PRE 85 | 93-96 | 93-96 | LE0309, SR0105 |
| | NATMAP_1K | National map units, percentage occurrence at 1km pixel resolution. | NATIONAL MAP | 75-82 | PRE 85 | 93-96 | 93-96 | LE0309, SR0105 |
| | NATMAP_5K | National map units, percentage occurrence at 5km pixels. | NATIONAL MAP | 75-82 | PRE 85 | 93-96 | 93-96 | LE0309, SR0105 |
| | NATMAP_COMPONENTS | Map units, component series, percentage of series in current map unit. | NATIONAL MAP | 75-82 | PRE 85 | 93-96 | 93-96 | LE0309, SR0105 |
| | NATMAP_LEGEND | Text descriptions of Geology, Soil and Site characteristics and of Cropping and Land Use for each map unit of the National Map. Includes soil associations from original and revised National Map | NATIONAL MAP | 79 | PRE 85 | 2001 | 93-96 | LE0309, SR0105 |
| | NATMAP_SERIES_1K | Soil series, percentage occurrence at 1km pixels. Urban areas are expanded to show | NATIONAL MAP | 75-82 | PRE 85 | 93-96 | 93-96 | LE0309, SR0105 |

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|---------|-------------------|---|---|-------|--------|-------|-------|----------------|
| | NATMAP_SERIES_5K | urban soils. Soil series, percentage occurrence at 5km pixels. Urban areas are expanded to show urban soils. | NATIONAL MAP | 75-82 | PRE 85 | 93-96 | 93-96 | LE0309, SR0105 |
| | NATMAP_UNITS | Part of national map legend map unit properties. i.e. National Map Soil symbol (map unit), qualifier (e.g. 1,2,3), code D or V (dominance or variability of soil series in soil association). | NATIONAL MAP | 75-82 | PRE 85 | 93-96 | 93-96 | LE0309, SR0105 |
| | NGR_FULL | Numeric and alphabetic codes for 100km squares in Britain, including squares more than 1000km north of the origin. | NATIONAL MAP | 80 | 86 | 93-96 | 93-96 | LE0309, SR0105 |
| NSI | NSI_EXTRACT | NSI analytical results for lime requirement, pH, extract. P,K, Mg, Zn, Cu, Ni, Cd, Pb, Co, Mn. | National Soil Inventory data & samples | 66-86 | 86 | 93-96 | 93-96 | LE0309, SR0105 |
| | NSI_HOR | Horizon details for NSI records | National Soil Inventory data & samples | 66-86 | 85 | 93-96 | 93-96 | LE0309, SR0105 |
| | NSI_LABNOS | SSLRC lab numbers for NSI samples and associated grid reference plus ADAS lab. no. and sample texture | National Soil Inventory data & samples | 66-86 | 86 | 93-96 | 93-96 | LE0309, SR0105 |
| | NSI_SAMPLES | Sample details from NSI records | National Soil Inventory data & samples | 66-86 | 85 | 93-96 | 93-96 | LE0309, SR0105 |
| | NSI_SITE | Site details for NSI | National Soil Inventory data & samples | 66-86 | 85 | 93-96 | 93-96 | LE0309, SR0105 |
| | NSI_TOTALS | Contains NSI analytical results for extracts of aqua regia P,K,Ca,Mg,Na,Fe,Al,Co,Mn,Ba,Zn,Cu,Ni,Cd,Pb. | National Soil Inventory data & samples | 66-86 | 86 | 93-96 | 93-96 | LE0309, SR0105 |
| REPRES | REP_CHEM | Representative Profile - analytical code and results for chemical properties | Full profile descriptions | 53-86 | 84 | 94 | 93-96 | LE0309, SR0105 |
| | REP_FULL_HOR | Representative Profile - Full horizon details (not validated). | Full profile descriptions | 69-84 | 84-86 | 93-96 | 93-96 | LE0309, SR0105 |
| | REP_FULL_HOR_TXT | Representative Profile - Full text details of each horizon (not validated). | Full profile descriptions | 69-84 | 84-86 | 93-96 | 93-96 | LE0309, SR0105 |
| | REP_FULL_SITE | Representative Profile - Full site details (not validated). | Full profile descriptions | 69-84 | 84-86 | 93-96 | 93-96 | LE0309, SR0105 |
| | REP_FULL_SITE_TXT | Representative Profile - Full text details of the site (not validated). | Full profile descriptions | 69-84 | 84-86 | 93-96 | 93-96 | LE0309, SR0105 |
| | REP_LABNOS | Representative Profile - sample no and sample depths details | Full profile descriptions | 53-86 | 84 | 94 | 93-96 | LE0309, SR0105 |
| | REP_LABS | Representative Profile - general laboratory details | Full profile descriptions | 53-86 | 84 | 94 | 93-96 | LE0309, SR0105 |
| TOPOCAD | ALT_5K | Altitude (m) at 5km resolution for England and Wales. | 4 points 500m offset from true 5k & NSI grids (87/8) | 87 | 88 | 93-96 | 93-96 | LE0309, SR0105 |
| | ALT_NSI | Representative altitudes of 4 points around | 4 points 500m offset from true 5k | 87 | 88 | 93-96 | 93-96 | LE0309, SR0105 |

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|--|---------|--|---|----|----|-------|----|----------------|
| | ALT_REP | NSI GRID 5K (offset 500m) Representative altitude (m) of the 500m pixel referenced at the SW corner. | & NSI grids (87/8) 4 points 500m offset from true 5k & NSI grids (87/8) | 87 | 88 | 93-96 | 96 | LE0309, SR0105 |
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Data collected pre 1987 but entered into LandIS subsequently

| | | | | | | | | |
|----------|-------------------|---|--|-------|----|-------|----------------|----------------------------|
| AGROCLIM | GB_MD_5K | F5MD at 5km for Great Britain | SSLRC 61- 75 970 stations | 61-75 | 96 | | 96 | LE0309, SR0105 |
| | GRASS_SUIT | Grass suitability table. | SSLRC TM13 - soil survey applications | 79 | 91 | 93-96 | 91,93-96 | (j) LandIS, LE0309, SR0105 |
| | GRASS_TRAFFIC | Grass suitability table for trafficability. | SSLRC TM13 - soil survey applications | 79 | 91 | 93-96 | 91, 93-96 | (j) LandIS, LE0309, SR0105 |
| | GRASS_YIELD | Grass suitability table for grass yield. | SSLRC TM13 - soil survey applications | 79 | 91 | 93-96 | 91, 93-96 | (j) LandIS, LE0309, SR0105 |
| | POACH_RISK | Poaching risk table, dependent on moist zone, wetness class, depth to impermeable layer, and retained water. | SSLRC TM13 - soil survey applications | 79 | 91 | 93-96 | 91, 93-96 | (j) LandIS, LE0309, SR0105 |
| | RAIN_5K | Rainfall data at 5km intervals. | SSLRC 1961- 1975 970 stations | 61-75 | 88 | 93-96 | 87, 93-96 | (k) LandIS, LE0309, SR0105 |
| CLASSIF | BRIEF_PROFILE | Brief description for series. | SSLRC Regional Bulletins | 84 | 89 | 93-96 | 89, 93-96 | (i) LandIS, LE0309, SR0105 |
| | BRIEF_PROFILE_HOR | Horizon depths, notation and description for this series. | SSLRC Regional Bulletins | 84 | 89 | 93-96 | 89, 93-96 | (i) LandIS, LE0309, SR0105 |
| | SERIES_CORREL | Soil series not in the rationalised list giving their modern correlatives. | SSLRC bulletins, memoirs, records. Soil series definition see SSLRC TM 1714 subsequent new series details from John Hollis | 84 | 88 | 2001 | 87, 93-96 | (k) LandIS, LE0309, SR0105 |
| | SERIES_DEFN | All rationalised soil series with data on parent material type, lithology, mineralogy and particle size groupings for top, contrasting layers and drift type. | Soil series definition see SSLRC TM 1714 subsequent new series details from John Hollis | 84 | 88 | 2001 | 87, 93-96 | (k) LandIS, LE0309, SR0105 |
| | SOIL_GROUP | Soil groups and names. Includes major group 9 (man made soils) and 1.5 (man made raw soils). | SSLRC TM14 - subgroup description | 80 | 88 | 2001 | 87, 93-96 | (k) LandIS, LE0309, SR0105 |
| | SOIL_SUBGP | Soil subgroups and names. Includes major group 9 (man made soils) and 1.5 (man made raw soils). | SSLRC TM14 - subgroup description | 80 | 88 | 2001 | 87, 93-96 | (k) LandIS, LE0309, SR0105 |
| GBSOIL | GB_COMPONENTS | Map Units and component series. | NATIONAL MAP. England and Wales map data from SSLRC. Scottish map unit data from MLURI | 84 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_NT | Great Britain Soil 100km tile. Map units at 100m resolution. | NATIONAL MAP. England and Wales map data from SSLRC. Scottish map unit data from MLURI | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |

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|--|------------|--|--|-------|----|----|----------------|----------------|
| | GB_NU | Great Britain Soil 100km tile. Map units at 100m resolution. | NATIONAL MAP. England and Wales map data from SSLRC. Scottish map unit data from MLURI | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_NX | Great Britain Soil 100km tile. Map units at 100m resolution. | NATIONAL MAP. England and Wales map data from SSLRC. Scottish map unit data from MLURI | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_NY | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_NZ | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_OV | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SD | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SE | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SH | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SJ | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SK | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SM | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SN | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SO | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SOIL_1K | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. Scottish map unit data from MLURI. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SOIL_5K | 5km summary of data from 100m map unit data | GB SOIL MAP. Scottish map unit data from MLURI. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SP | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. Scottish map unit data from MLURI | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SR | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. Scottish map unit data from MLURI | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SS | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. Scottish map unit data from MLURI | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_ST | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. Scottish map unit data from MLURI | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |

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|----------|-----------------|--|--|-------|-------|-----------|----------------|----------------|----------------------------|
| | | 100m resolution. | data from MLURI | | | | | | |
| GB_SU | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. Scottish map unit data from MLURI | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_SW | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_SX | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_SY | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_SZ | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_TA | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_TB | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_TG | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_TH | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_TI | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_TJ | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_TK | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_TL | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_TM | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_TN | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_TO | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_TP | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_TQ | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_TR | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_TS | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_TT | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_TU | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_TV | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_TW | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_TX | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_TY | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_TZ | | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 | |
| GB_UNITS | | Legend from NATIONAL MAP and SCOT_MU from MLURI | NATIONAL MAP. Scottish map unit data from MLURI | 84 | 96 | 96 | See footnote 1 | See footnote 1 | |
| MAPS | NATMAP_SUBGP_1K | National map subgroups by 1km pixels (from 0,0 point). | NATIONAL MAP | 79 | 90 | 93-96 | 90, 93-96 | | (j) LandIS, LE0309, SR0105 |
| | NATMAP_SUBGP_5K | National map subgroups by 5km pixels (from 0,0 point). | NATIONAL MAP | 79 | 88 | 93-96 | 87, 93-96 | | (k) LandIS, LE0309, SR0105 |
| NSI | NSI_GENERATED97 | Computed values for NSI points for depth to significant features, indicators of susceptibility and risk and available water. | National Soil Inventory data & samples | 79 | 93 | 97 | | | |
| | NSI_SOIL_STRUCT | Table for determining structure of subsoils from the nature of their ped faces and their particle size class. | National Soil Inventory data & samples | 79 | 95 | 96 | | | SR0105 |
| REPRES | REP_HOR | Representative Profile - validated and classified horizon details | National Soil Inventory data & samples | 69-84 | 90-92 | 93-96 | 90-96 | | PS0410, LE0309, SR0105 |
| | REP_PHYS | Representative Profile - analytical code and results for physical properties | Full profile descriptions | 69-84 | 89 | 91, 93-96 | 89, 91, 93-96 | | (l) LandIS, LE0309, SR0105 |
| | REP_SITE | Representative Profiles - validated and | Full profile descriptions | 69-84 | 90-92 | 93-96 | 90-96 | | PS0410, LE0309, |

| | | | | | | | | | |
|-----------|------------------|--|--|-------|----|------|--------------|--|----------------------------|
| SOILPROPS | AP_DEPTH_LIMITS | classified horizon details Limits of total and easily available water for different crops. | SSLRC TM9 - Water Retention, Porosity and Density of Field Soils | 77 | 96 | 96 | 96 | | SR0105 |
| | AP_FINE_EARTH | Available Water (AP) for fine earth content. | SSLRC TM9 - Water Retention, Porosity and Density of Field Soils | 77 | 96 | 96 | 96 | | SR0105 |
| | AP_STONES | Available Water (AP) for stone content | SSLRC TM9 - Water Retention, Porosity and Density of Field Soils | 77 | 96 | 96 | 96 | | SR0105 |
| | AP_TEXTURE | Texture classification for calculation of available water | SSLRC TM9 - Water Retention, Porosity and Density of Field Soils | 77 | 96 | 96 | 96 | | SR0105 |
| | LAYERS | Groups of horizons with similar properties categorised for each valid series and landuse group combination and assigned typical upper and lower depths. | Full profile descriptions | 69-84 | 94 | 2001 | | | LE0309, SR0105 |
| | SERIES_HOR | Representative horizon notation for horizons of each series sequenced by depth. | Full profile descriptions | 69-84 | 90 | 2001 | 89-92, 93-96 | | (j) LandIS, LE0309, SR0105 |
| | SERIES_HOR_PROPS | Analytical properties - average, max., min., SD, count for representative horizons by series. | Full profile descriptions | 69-84 | 90 | 2001 | 89-92, 93-96 | | (j) LandIS, LE0309, SR0105 |
| | SERIES_PROPS | Series related properties. | Full profile descriptions | 69-84 | 85 | 2001 | 89-92, 93-96 | | (j) LandIS, LE0309, SR0105 |
| | LAYER_ANAL_PROPS | Analytical results for each layer, as defined in the LAYERS table, with SD and an indication if from expert judgement or whether generated from analytical measurements. | Full profile descriptions | 69-84 | 94 | 2001 | 94, 96 | | LE0304, SR0105 |
| | LAYER_CALC_PROPS | Calculated properties for each layer, as defined in the LAYERS table, using properties in LAYER_ANAL_PROPS and computational models | Full profile descriptions | 69-84 | 94 | 2001 | 94, 96 | | LE0304, SR0105 |

Shaded rows indicate data sets that have been superseded by New Map data sets. They are also show separately in Schedule 2.

| Schedule 1 Part 2 MAFF Rights | | | | | | | | | |
|-------------------------------|------------------|--|---|-----------------|---|--------------------------------|---------------|-----------------|---|
| Tablespace Name | Table Name | Description | Data Origins Source | Data Collection | | Table Creation or Modification | | | MAFF Project Code |
| | | | | Date | MAFF Project Code | Date | Last Modified | Commission Year | |
| AUGERS | AUGER_COUNT_100K | Count of 1:250,000, post 1:250,000 auger bores and NSI field records by 100x100km squares. | Auger bore descriptions from 1:250,000 mapping and post 1:250,000 mapping. National Soil Inventory data & samples | 66-94 | | 88 | 98 | | LandIS LandIS LE0304 SR0102 LE0309,SR0105 |
| | AUGER_COUNT_10K | Count of 1:250,000, post 1:250,000 auger bores, NSI field records in 10x10km sheets in each 100k square. | Auger bore descriptions from 1:250,000 mapping and post 1:250,000 mapping. National Soil Inventory data & samples | 66-94 | | 88 | 98 | | LandIS LandIS LE0304 SR0102 LE0309,SR0105 |
| | AUGER98_HOR | Auger bores (ex 1:250000) horizon details. | Auger bore descriptions | 87-94 | Boston pt, Acid SO ₄ , EHF's pt, Rabbits M Radiation Safety SS0101, 102, 103, 104 CC0402, BD0702 | 89 | 98 | 89-98 | LandIS LandIS LE0304 SR0102 LE0309,SR0105 |
| | AUGER98_SITE | Auger bores (ex 1:250000) site details. | Auger bore descriptions | 87-94 | Boston pt, Acid SO ₄ , EHF's pt, Rabbits M Radiation Safety SS0101, 102, 103, 104 CC0402, BD0702 | 89 | 98 | 89-98 | LandIS LandIS LE0304 SR0102 LE0309,SR0105 |
| | AUGER98_CTRL | Auger bores (ex 1:250000) control section. | Auger bore descriptions | 87-94 | Boston pt, Acid SO ₄ , EHF's pt, Rabbits M Radiation Safety SS0101, 102, 103, 104 CC0402, BD0702 | 87-94 | 98 | 89-98 | LandIS LandIS LE0304 SR0102 LE0309,SR0105 |
| GBSOIL | EC_GB_5K | Dominant soil for a 5km pixel for Great Britain determined manually. Includes England, Wales and N. Ireland but excludes Scotland. | EC-GB 5KM MAP soil map at 1:1,000,000 - 88 | 92-95 | LE0307, NT0902, SR0104 | 92-95 | 96 | 92-95 | LE0307, NT0902, SR0104, LE0309, SR0105 |
| | EC_UK_UNIT | UK Map units corresponding to EC map units for Great Britain. | EC-GB 5KM MAP soil map at 1:1,000,000 - 88 | 92-95 | LE0307, NT0902, SR0104 | 92-95 | 96 | 92-95 | LE0307, NT0902, SR0104, LE0309, |

| Schedule 1 Part 2 MAFF Rights | | | | | | | | | |
|-------------------------------|----------------|--|--|-----------------|-------------------|--------------------------------|---------------|-----------------|---|
| Tablespace Name | Table Name | Description | Data Origins Source | Data Collection | | Table Creation or Modification | | | MAFF Project Code |
| | | | | Date | MAFF Project Code | Date | Last Modified | Commission Year | |
| NSI | NSI_TEXTURES | NSI analytical results for particle size distribution | National Soil Inventory data & samples | 90-92 | | 93 | 97 | 89-92, 93-96 | SR0105 NSI data National Soils Inventory, LE0309,SR0105 |
| | NSI_ADDITIONAL | NSI additional elements | NSI additional elements analyses | 92-96 | LE0305, SR0103 | 98 | | | LandIS |
| | NSI_AR_95 | NSI re-sampling of arable and ley grass sites (900 sites from potential 2578 sites) | National Soil Inventory re-sampling | 95-97 | SP0115 | 99 | | | LandIS |
| | NSI_PG_95 | NSI re-sampling of permanent grass sites (780 sites from potential 1579 sites) | National Soil Inventory re-sampling | 97-99 | SP0123 | 99 | | | LandIS |
| SOILPROPS | SERIES_LUGROUP | All possible series, land-use group combinations with an indication of whether it occurs in England and Wales. | Full profile descriptions | 94 | PS0410 | 94 | 96 | | PS0410, LE0309, SR0105 |
| T200 | T200-Stations | Stations for T200 project | AFRC ARCMET | 61-80 | | 93 | 96 | 93-96 | CC0309, LE0309, SR0105 |
| | T200-TEMP | Daily minimum and maximum | AFRC ARCMET | 61-80 | | 93 | 96 | 93-96 | CC0309, LE0309, SR0105 |

This schedule will be revised from time to time (if appropriate) to identify new Tables included within LandIS incorporating additional data generated from MAFF or DEFRA commissioned projects. This schedule was last updated in June 2002.

Schedule 1, Part 3, New Map Rights (February 2002)

| Table-space Name | Table Name | Description | Data Origins Source | Data Collection | Table Creation or Modification | | | |
|--|----------------------|--|--|-----------------|--------------------------------|---------------|-----------------|-------------------|
| | | | | | Date | Last Modified | Commission Year | MAFF Project Code |
| Data based on pre-1987 data and modified in 2001 to create the New National Soil Map | | | | | | | | |
| CLASSIF | SERIES_v3 | Soil series. Includes series 4005 (Man made raw soils) and 4000 (Disturbed soils). Series 1145 (LUDGVAN) is in subgroup 09 12. L indicates rationalised in 84 (see TM17) | SSLRC bulletins, memoirs, records Soil series definition see SSLRC TM 17/14 subsequent new series details from John Hollis | 84 | 2001 | 2001 | | |
| MAPS | NATMAP_v3 | Map unit (vector format). | NEW NATIONAL MAP | 75-82 | 2001 | 2001 | | |
| | NATMAP_v3_1K | National map units, percentage occurrence at 1km pixel resolution. | NEW NATIONAL MAP | 75-82 | 2001 | 2001 | | |
| | NATMAP_v3_2KM | National map units, percentage occurrence at 2km pixel resolution. | NEW NATIONAL MAP | 75-82 | 2001 | 2001 | | |
| | NATMAP_v3_5K | National map units, percentage occurrence at 5km pixels. | NEW NATIONAL MAP | 75-82 | 2001 | 2001 | | |
| | NATMAP_v3_COMPONENTS | Map units, component series, percentage of series in current map unit. | NEW NATIONAL MAP | 75-82 | 2001 | 2001 | | |
| | NATMAP_v3_SERIES_1K | Soil series, percentage occurrence at 1km pixels. Urban areas are expanded to show urban soils. | NEW NATIONAL MAP | 75-82 | 2001 | 2001 | | |
| | NATMAP_v3_SERIES_2K | Soil series, percentage occurrence at 2km pixels. Urban areas are expanded to show urban soils. | NEW NATIONAL MAP | 75-82 | 2001 | 2001 | | |
| | NATMAP_v3_SERIES_5K | Soil series, percentage occurrence at 5km pixels. Urban areas are expanded to show urban soils. | NEW NATIONAL MAP | 75-82 | 2001 | 2001 | | |
| | NATMAP_v3_UNITS | Part of national map legend map unit properties. (i.e. National Map Soil symbol (map unit), qualifier (e.g. 1,2,3), code D or V (dominance or variability of soil series in soil association). | NEW NATIONAL MAP | 75-82 | 2001 | 2001 | | |
| | NATMAP_v3_SUBGP_1K | National map subgroups by 1km pixels (from 0,0 point). | NEW NATIONAL MAP | 79 | 2001 | 2001 | | |
| | NATMAP_v3_SUBGP_2K | National map subgroups by 2km pixels (from 0,0 point). | NEW NATIONAL MAP | 79 | 2001 | 2001 | | |

Schedule 1, Part 3, New Map Rights (February 2002)

| Table-space Name | Table Name | Description | Data Origins Source | Data Collection | Table Creation or Modification | | | |
|------------------|--------------------|--|---------------------|-----------------|--------------------------------|---------------|-----------------|-------------------|
| | | | | | Date | Last Modified | Commission Year | MAFF Project Code |
| | NATMAP_v3_SUBGP_5K | National map subgroups by 5km pixels (from 0,0 point). | NEW NATIONAL MAP | 79 | 2001 | 2001 | | |

**Schedule 2
Superseded Data Sets**


| Schedule 2 Superseded data sets | | | | | | | | |
|---|-------------------|---|--|--------------------|--------------------------------|------------------|---------------------|----------------------------|
| Tablespace Name | Table Name | Description | Data Origins Source | Data Collection | Table Creation or Modification | | | |
| | | | | | Date | Last Modified | Commissio n Year | MAFF Project Code |
| Data collected and entered into LandIS pre 1987 but modified subsequently | | | | | | | | |
| | SERIES | Soil series. Includes series 4005 (Man made raw soils) and 4008 (Disturbed soils). Series 1145 (LUDGVAN) is in subgroup 09.12. L indicates rationalised in 84 (see TM17). | SSLRC bulletins, memoirs, records Soil series definition see SSLRC TM 17/14 subsequent new series details from John Hollis | 84 | 86 | 95 | 92, 93-96 | (k) LandIS, LE0309, SR0105 |
| MAPS | NATMAP_100M | Map unit (run length encoded) in 100m pixels (from 0.0 point). | NATIONAL MAP | 75-82 | PRE 85 | 93-96 | 93-96 | LE0309, SR0105 |
| | NATMAP_1K | National map units, percentage occurrence at 1km pixel resolution. | NATIONAL MAP | 75-82 | PRE 85 | 93-96 | 93-96 | LE0309, SR0105 |
| | NATMAP_5K | National map units, percentage occurrence at 5km pixels. | NATIONAL MAP | 75-82 | PRE 85 | 93-96 | 93-96 | LE0309, SR0105 |
| | NATMAP_COMPONENTS | Map units, component series, percentage of series in current map unit. | NATIONAL MAP | 75-82 | PRE 85 | 93-96 | 93-96 | LE0309, SR0105 |
| | NATMAP_SERIES_1K | Soil series, percentage occurrence at 1km pixels. Urban areas are expanded to show urban soils. | NATIONAL MAP | 75-82 | PRE 85 | 93-96 | 93-96 | LE0309, SR0105 |
| | NATMAP_SERIES_5K | Soil series, percentage occurrence at 5km pixels. Urban areas are expanded to show urban soils. | NATIONAL MAP | 75-82 | PRE 85 | 93-96 | 93-96 | LE0309, SR0105 |
| | NATMAP_UNITS | Part of national map legend map unit properties. i.e. National Map Soil symbol (map unit), qualifier (e.g. 1,2,3), code D or V (dominance or variability of soil series in soil association). | NATIONAL MAP | 75-82 | PRE 85 | 93-96 | 93-96 | LE0309, SR0105 |
| Data collected pre 1987 but entered into LandIS subsequently | | | | | | | | |

| Schedule 2 Superseded data sets | | | | | | | | |
|---------------------------------|---------------|--|--|--------------------|--------------------------------|------------------|---------------------|-------------------------|
| Tablespace Name | Table Name | Description | Data Origins Source | Data Collection | Table Creation or Modification | | | |
| | | | | | Date | Last Modified | Commissio n Year | MAFF Project Code |
| GBSOIL | GB_COMPONENTS | Map Units and component series. | NATIONAL MAP. England and Wales map data from SSLRC. Scottish map unit data from MLURI | 84 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_NT | Great Britain Soil 100km tile. Map units at 100m resolution. | NATIONAL MAP. England and Wales map data from SSLRC. Scottish map unit data from MLURI | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_NU | Great Britain Soil 100km tile. Map units at 100m resolution. | NATIONAL MAP. England and Wales map data from SSLRC. Scottish map unit data from MLURI | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_NX | Great Britain Soil 100km tile. Map units at 100m resolution. | NATIONAL MAP. England and Wales map data from SSLRC. Scottish map unit data from MLURI | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_NY | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_NZ | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_OV | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SD | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SE | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SH | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SJ | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SK | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SM | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SN | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SO | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP. England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |

| Schedule 2 Superseded data sets | | | | | | | | |
|---------------------------------|---------------|--|---|--------------------|--------------------------------|------------------|---------------------|-------------------------|
| Tablespace Name | Table Name | Description | Data Origins Source | Data Collection | Table Creation or Modification | | | |
| | | | | | Date | Last Modified | Commissio n Year | MAFF Project Code |
| | GB_SOIL_1K | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP, Scottish map unit data from MLURI, England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SOIL_5K | 5km summary of data from 100m map unit data | GB SOIL MAP, Scottish map unit data from MLURI, England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SP | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP, Scottish map unit data from MLURI | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SR | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP, Scottish map unit data from MLURI | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SS | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP, Scottish map unit data from MLURI | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_ST | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP, Scottish map unit data from MLURI | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SU | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP, Scottish map unit data from MLURI | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SW | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP, England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SX | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP, England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SY | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP, England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_SZ | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP, England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_TA | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP, England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_TF | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP, England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_TG | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP, England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_TL | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP, England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_TM | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP, England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |

| Schedule 2 Superseded data sets | | | | | | | | |
|---------------------------------|-----------------|--|--|--------------------|--------------------------------|------------------|---------------------|----------------------------|
| Tablespace Name | Table Name | Description | Data Origins Source | Data Collection | Table Creation or Modification | | | |
| | | | | | Date | Last Modified | Commissio n Year | MAFF Project Code |
| | GB_TQ | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP, England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_TR | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP, England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_TV | Great Britain Soil 100km tile. Map units at 100m resolution. | GB SOIL MAP, England and Wales map data from SSLRC | 75-82 | 96 | 96 | See footnote 1 | See footnote 1 |
| | GB_UNITS | Legend from NATIONAL MAP and SCOT_MU from MLURI | NATIONAL MAP, Scottish map unit data from MLURI | 84 | 96 | 96 | See footnote 1 | See footnote 1 |
| MAPS | NATMAP_SUBGP_1K | National map subgroups by 1km pixels (from 0,0 point). | NATIONAL MAP | 79 | 90 | 93-96 | 90, 93-96 | (k) LandIS, LE0309, SR0105 |
| | NATMAP_SUBGP_5K | National map subgroups by 5km pixels (from 0,0 point) | NATIONAL MAP | 79 | 88 | 93-96 | 87, 93-96 | (k) LandIS, LE0309, SR0105 |

Schedule 3
Support Services

The support services supplied by Cranfield may comprise aspects of the following activities ~~(the exact composition to be agreed prior to the commencement of each Year)~~ 

1. Maintenance of LandIS such that it is operational and accessible. Maintenance will include hardware and software upgrades, back up and system security, meta data and system documentation, employment of adequately trained and experienced systems administration staff,
2. Maintenance of a current LandIS user manual, meta data descriptions and technical descriptions of the system and specific data sets to facilitate the use of LandIS,
3. Provision of a LandIS information, advice and data supply service,
4. Promotion of the LandIS service through leaflets, web-based material, articles and presentations,
5. Development and maintenance of technical text descriptions of LandIS and its component data sets in a form appropriate and informative to all users,
6. Development of LandIS in ways that meets the needs of current and future user communities.

The provision and use of funding for Support Services is subject to a letter from the Secretary of State on or about the date of this Addendum.

IN WITNESS whereof the parties have executed this Addendum on the day and year first above written.

Signed by [redacted])
for and on behalf of THE SECRETARY)
OF STATE FOR ENVIRONMENT,)
FOOD AND RURAL AFFAIRS in the)
presence of: [redacted])

[redacted]

Signed by [redacted])
for and on behalf of THE)
CONTROLLER OF HER MAJESTY'S)
STATIONERY OFFICE in the presence)
of: [redacted])

[redacted]

Signed by [redacted])
for and on behalf of CRANFIELD)
UNIVERSITY in the presence of:)
[redacted])

[redacted]

[redacted]