

## INFORMIX DATABASES

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## INTRODUCTION

The Informix database was used by the Greater London Environmental Archaeology Service (GLEAS) during the 1980s to record environmental archaeological data. At the time of first processing (March 2002) eight separate databases were present on the Informix machine:

| Name used in this document | Number of rows/bytes of data (approx) |
|----------------------------|---------------------------------------|
| Bib                        | 806 / 130k                            |
| Botany                     | 40451 / 1994k                         |
| Sites                      | 77568 / 4643k                         |
| Big                        | 0 / 0k                                |
| Cat                        | 30048 / 527k                          |
| Soil_samp                  | 1549 / 54k                            |
| Duadev                     | 14 / 0.7k                             |
| Bones                      | 303715 / 9323k                        |

In turn, each database contained a number of tables:

| Name used in this document | Number of tables |
|----------------------------|------------------|
| Bib                        | 1                |
| Botany                     | 14               |
| Sites                      | 35               |
| Big                        | 0                |
| Cat                        | 5                |
| Soil_samp                  | 1                |
| Duadev                     | 1                |
| Bones                      | 66               |

During the reprocessing of this archive, a number of tables were identified as containing data derived from the primary records and consequently have been excluded from this edition.

In addition to the data tables, the databases contained an equivalent number of forms employed to access and enter data. These forms are discussed in the documentation accompanying first processing (available on request), but excluded from the current document.

### *Database tables and fields*

For each table that exists in a database, information is presented as shown below:

| Table: the_table_name |                   |              |             |       |
|-----------------------|-------------------|--------------|-------------|-------|
| Field                 |                   | Type         | Size        | Flags |
| A_field_name          | Field Description | A_field_type | Approx_size | Flags |

|                   |  |
|-------------------|--|
| Field             | This is the name assigned to the column at table creation. It is a string.   |
| Field Description | An explanation of field content if required. Fields left blank without a description are self explanatory. Unknown field descriptions are indicated by '?'.  |
| Type              | This is one of the following types:<br>"Int" – an integer number (eg 2).<br>"Signed Int" – a signed integer number (eg -2).<br>"Float" – a floating point number (eg -2.34)<br>"Char" – a string of characters (eg "hello"). |
| Size              | This is the number of characters/digits to be stored, not counting decimal points or sign indicators.  |
| Flags             | The following flags are used:<br>"IX" – this column is indexed.<br>"PK" – this column has a unique index<br>"NN" – this column does not allow null values  |

### *Code tables*

The data contains a significant proportion of coded information. These codes, plus expansions, are presented as a second series of tables. Commonly, codes are applicable across a range of data tables (e.g., plant codes apply to many tables in the botany 'database'). Where codes only apply to a specific table this is clearly indicated. Every attempt has been made to provide expansions for the codes that appear in the data, but if you have a query about any remaining undocumented codes, please contact the LAARC Archaeological Records (Digital) Officer. Consultation of the relevant paper archive(s) is also strongly advised when utilising Informix digital data.

### *The structure of this document*

This document follows the structure of the original Informix database, in that each information type is discussed in turn. Field descriptions precede code expansions in all instances.

## 1.0 BIB DATABASE

### 1.1 Tables

#### 1.1.1 *bib*

| Table: bib          |                     |      |      |       |
|---------------------|---------------------|------|------|-------|
| Field               | Field Description   | Type | Size | Flags |
| Author1_sn          | Author's surname*   | Char | 80   |       |
| Author1_fn          | Author's fore name* | Char |      |       |
| Author1_main_pap_sn | Author's surname*   | Char |      |       |
| Author1_main_pap_fn | Author's fore name* | Char | 80   |       |
| book                |                     | Char | 40   |       |
| city                |                     | Char | 20   |       |
| date_pub            | Publication date    | Char | 4    | IX    |
| editor_book         |                     | Char | 40   |       |
| eds                 |                     | Char | 40   |       |
| publisher           |                     | Char | 40   |       |
| journal             |                     | Char | 40   |       |
| label               |                     | Char | 40   |       |
| category            |                     | Char | 20   |       |
| status              |                     | Char | 10   |       |
| issue_num           | Issue number        | Char | 20   |       |
| info                | Comments            | Char | 160  |       |
| pages               |                     | Char | 10   |       |
| dua_arc             | DUA Archive         | Char | 80   |       |
| series              |                     | Char | 10   |       |
| series_num          | Series number       | Char | 5    |       |
| title_book          |                     | Char | 160  |       |
| title_paper         |                     | Char | 160  |       |
| volume              |                     | Char | 5    |       |

\* To differentiate multiple authors, each author is given a numerical identifier. Consequently, there are eight 'sn' / 'fn' author fields and two 'sn' / 'fn' main author fields. The same conventions have been applied to the editor field.

## 2.0 BOTANY DATABASE

### 2.1 Tables

#### 2.1.1 *arch\_data*

| Table: arch_data   |  |            |      |       |
|--------------------|--|------------|------|-------|
| Field              | Field Description                                      | Type       | Size | Flags |
| sample_code        | Sample ID  | Int        | 10   | PK,NN |
| site_code          | Project ID   | Char       | 10   | IX,NN |
| area               | Project area   | Char       | 10   |       |
| context            | Context  | Signed Int | 10   | IX,NN |
| sample_no          | Sample number  | Char       | 5    | IX    |
| Period             | Archaeological period                                  | Char       | 10   | IX    |
| phase              | Project phase  | Char       | 5    |       |
| sub_phase          | Project sub-phase                                      | Char       | 5    |       |
| date_sampled       | (mm/dd/yyyy)   | Date       | 10   |       |
| feature_type       | Archaeological feature                                 | Char       | 4    |       |
| Weight_of_soil     | (grams)  | Signed Int | 10   |       |
| Volume_of_soil     | (cubic cm – litre/1000)                                | Signed Int | 10   |       |
| vol_subsamp        | (in litres)  | Signed Int | 10   |       |
| soil_type          | Type of soil   | Char       | 6    |       |
| modern_contam      | Contamination  | Char       | 3    |       |
| prop_whole_context | Proportion of whole context (provided as a percentage) | Signed Int | 5    |       |
| Weight_of_flot     | (in grams)   | Signed Int | 10   |       |
| volume_of_flot     | (cubic cm – litre/1000)                                | Signed Int | 10   |       |
| volume_sorted_flot | (cubic cm's)   | Signed Int | 10   |       |
| mesh_size          | (in $\mu$ m<br>1mm =1000)                              | Signed Int | 10   |       |
| Processing         | Administrative Information                             | Char       | 5    |       |
| Sorter             | Administrative Information                             | Char       | 5    |       |
| identifier         | Administrative Information                             | Char       | 3    |       |
| store              | Administrative Information                             | Char       | 10   |       |
| shelf              | Administrative Information                             | Char       | 10   |       |
| project            | Administrative Information                             | Signed Int | 10   | IX    |

### 2.1.2 *cont\_area*

| <b>Table: cont_area</b> |                                    |             |             |              |
|-------------------------|------------------------------------|-------------|-------------|--------------|
| <b>Field</b>            | <b>Field Description</b>           | <b>Type</b> | <b>Size</b> | <b>Flags</b> |
| analtaxa                | Taxonomic unit                     | Signed Int  | 10          |              |
| context                 | Context                            | Signed Int  | 10          |              |
| samplenum               | Sample ID                          | Char        | 5           |              |
| fullname                | Plant name(s) including qualifiers | Char        | 35          |              |
| QUAL                    | Identification status qualifier(s) |             |             |              |
| QUAL_NAME               | Plant name implied by qualifier    |             |             |              |

### 2.1.3 *cont\_fea*

| <b>Table: cont_fea</b> |                                    |             |             |              |
|------------------------|------------------------------------|-------------|-------------|--------------|
| <b>Field</b>           | <b>Field Description</b>           | <b>Type</b> | <b>Size</b> | <b>Flags</b> |
| analtaxa               | Taxonomic unit                     | Signed Int  | 10          |              |
| context                | Context                            | Signed Int  | 10          |              |
| samplenum              | Sample ID                          | Char        | 5           |              |
| fullspname             | Plant name(s) including qualifiers | Char        | 35          |              |
| feature                | Archaeological feature             | Char        | 4           |              |

### 2.1.4 *cont\_phase*

| <b>Table: cont_phase</b> |                          |             |             |              |
|--------------------------|--------------------------|-------------|-------------|--------------|
| <b>Field</b>             | <b>Field Description</b> | <b>Type</b> | <b>Size</b> | <b>Flags</b> |
| analtaxa                 | Taxonomic unit           | Signed Int  | 10          |              |
| context                  |                          | Signed Int  | 10          |              |
| samplenum                | Sample number            | Char        | 5           |              |
| fullspname               | Full species name        | Char        | 35          |              |
| phase                    |                          | Char        | 4           |              |

Note: 'cont\_area', 'cont\_fea' and 'cont\_phase' only contain data relating to site code NRF88.

### 2.1.5 *featata*

| <b>Table: featata</b> |                                    |             |             |              |
|-----------------------|------------------------------------|-------------|-------------|--------------|
| <b>Field</b>          | <b>Field Description</b>           | <b>Type</b> | <b>Size</b> | <b>Flags</b> |
| analtaxa              | Taxonomic unit                     | Signed Int  | 10          |              |
| Fullname              | Plant name(s) including qualifiers | Char        | 35          |              |
| feature               | Archaeological feature             | Char        | 4           |              |

2.1.6 fiaaa00157

| Table: fiaaa00157 |  |            |      |       |
|-------------------|--|------------|------|-------|
| Field             | Field Description                                    | Type       | Size | Flags |
| qual_code         | Record ID  | Int        | 10   | PK,NN |
| site_code         | Project ID   | Char       | 10   | IX,NN |
| contex            | Context  | Signed Int | 10   | IX,NN |
| sample_no         | Sample ID  | Char       | 5    | IX    |
| plant_code        | Plant Code   | Char       | 15   |       |
| status            | Identification status                                | Char       | 5    |       |
| special_feat      | Indication of any particular points of consideration | Char       | 5    |       |
| number_of_parts   | Number of plant parts                                | Char       | 20   |       |
| estimate          | Number of plant parts: estimated (E) or real (R)     | Char       | 1    |       |
| part_of_plant     | Part of plant recovered                              | Char       | 10   |       |
| mode_preservation | How sample preserved                                 | Char       | 1    | NN    |
| degree_charing    | Extent of charing                                    | Char       | 1    |       |
| degree_preserv    | Extent of preservation                               | Char       | 1    |       |
| intact            | Sample intact (yes / no)                             | Char       | 1    |       |
| frags             | Fragments also (yes / no)                            | Char       | 1    |       |
| comment           | Comments   | Char       | 20   |       |

2.1.7 habitat\_use

NEEDS REPROCESSING – 12/03/2009

| Table: habitat_use |   |            |      |       |
|--------------------|---|------------|------|-------|
| Field              | Field Description   | Type       | Size | Flags |
| HABITAT_USE_CODE   | Record ID   | Int        | 10   | PK,NN |
| TAXA_NUMBER        | Taxa ID   | Signed Int | 10   | IX    |
| ANAL_TAXA          | Taxonomic unit  | Signed Int | 10   |       |
| PLANT_CODE         | Plant code  | Char       | 15   | IX    |
| STATUS_ALL*        | Identification status plus displaced special feature data | Char       | 5    | IX    |
| STATUS             | Identification status                                     |            |      |       |
| SPECIAL_FEATURE    | Indication of any particular points of consideration      |            |      |       |
| NAME1              | Order   | Char       | 35   |       |
| NAME2              | Full species name   | Char       | 35   |       |
| SILLY_NAME         | English name  | Char       | 35   |       |
| HU_CODE            | Habitat Use Code  | Char       | 10   |       |
| ANAL_GRP           | Analytical group  | Char       | 10   |       |
| NATIVE             | Indication of plant source / introduction                 | Char       | 5    |       |

|                  |   |      |    |  |
|------------------|---|------|----|--|
| PERENIALITY      | Indication of plant seasonality               | Char | 2  |  |
| HABITAT_USE_CODE | ?   | Char | 30 |  |
| taxa_number      | Unknown coded information and text: comments? | Char | 30 |  |
| potential_use    | Unknown coded information and text            | Char | 30 |  |

\* This field originally contained multiple data entries. The original field has been left in place, but has also been atomised into two fields ('Status' and 'Special Features' to facilitate analysis.

### 2.1.8 *quali*

| <b>Table: quali</b> |  |             |             |              |
|---------------------|--|-------------|-------------|--------------|
| <b>Field</b>        | <b>Field Description</b>                           | <b>Type</b> | <b>Size</b> | <b>Flags</b> |
| Qual_code           | Record ID  | Int         | 10          | PK,NN        |
| site_code           | Project ID   | Char        | 10          | NN           |
| contex              | Context  | Signed Int  | 10          | IX,NN        |
| sample_no           | Sample ID  | Char        | 5           |              |
| plant_code          | Plant Code   | Char        | 15          |              |
| status              | Indication of identification status                | Char        | 5           |              |
| special_feat        | Indication of particular features to be considered | Char        | 5           |              |
| number_of_parts     | Number of particular plant parts in sample         | Char        | 5           |              |
| Estimate            | Number of plant parts: estimated (E) or real (R)   | Char        | 1           |              |
| part_of_plant       | Part of plant recovered                            | Char        | 10          |              |
| mode_preservation   | How preserved                                      | Char        | 1           | NN           |
| degree_charring     | Extent of charring                                 | Char        | 1           |              |
| degree_preserv      | Extent of preservation                             | Char        | 1           |              |
| Intact              | Sample intact (yes/no)                             | Char        | 1           |              |
| Frag                | Fragments also (yes/no)                            | Char        | 1           |              |
| Comment             | Comments   | Char        | 20          |              |



### 2.1.9 *seednum*

| <b>Table: seednum</b> |                                       |             |             |              |
|-----------------------|---------------------------------------|-------------|-------------|--------------|
| <b>Field</b>          | <b>Field Description</b>              | <b>Type</b> | <b>Size</b> | <b>Flags</b> |
| context               | Context Identifier                    | Signed Int  | 10          |              |
| samplenum             | Sample identifier                     | Char        | 5           |              |
| analtaxa              | Taxonomic unit                        | Signed Int  | 10          |              |
| seedno                | Number of seeds                       | Char        | 5           |              |
| fullspname            | Plant name(s)<br>including qualifiers | Char        | 35          |              |

Note: this table only contains data for site code BIG82.

## 2.2 **Botany Codes**

The following tables present the codes, with expansions, employed in the tables of the botany tables Informix database. Unless otherwise indicated the codes apply to a number of tables.

### 2.2.1 *Plant codes*

| PLANT_CODE | STATUS | LATIN_NAME                      | COMMON_NAME AND PLANT_PART | HABITAT_USE_CODE | PLANT_FAMILY      | TAXA_NUMBER |
|------------|--------|---------------------------------|----------------------------|------------------|-------------------|-------------|
| ABIAL      | -      | Abies alba Miller               | silver fir                 |                  | PINACEAE          | 3500        |
| ACE        | #      | Acer sp.                        | sycamore/maple             |                  | ACERACEAE         | 193600      |
| ACH        | #!/    | cf. Achillea sp.                | sneezewort/yarrow          | CDE              | COMPOSITAE        | 521500      |
| AEG        | #      | Aegilops sp.                    |                            | ABD              | GRAMINAE          | 665600      |
| AESHI      | -      | Aesculus hippocastanum L.       | horse chestnut             |                  | HIPPOCASTANACEAE  | 193700      |
| AETCY      | -      | Aethusa cynapium L.             | fool's parsley             | A                | UMBELLIFERAE      | 295001      |
| AETCY      | //     | cf. Aethusa cynapium            | fool's parsley             | A                | UMBELLIFERAE      | 295100      |
| AGR        | #!/    | cf. Agrostis sp.                | bent-grass                 | ABCD             | GRAMINEAE         | 700000      |
| AGR        | !#     | Agrostis type                   | bent-grass                 | ABCD             | GRAMINEAE         | 700500      |
| AGR        | !/     | cf. Agrostis sp. type           | bent-grass                 | ABCD             | GRAMINEAE         | 701000      |
| AGRGI      | -      | Agrostemma githago L.           | corn cockle                | AB               | CARYOPHYLLACEAE   | 100000      |
| AGRGI      | //     | cf. Agrostemma githago          | corn cockle                | AB               | CARYOPHYLLACEAE   | 101000      |
| AJU        | #!/    | cf. Ajuga sp.                   | bugle                      | ACDEG            | LABIATAE          | 471000      |
| ALC        | #!/    | cf. Alchemilla sp.              | Lady's mantle              | CD               | ROSACEAE          | 253000      |
| ALCVU      | /      | Alchemilla cf. vulgaris         | Lady's mantle              | CDE              | ROSACEAE          | 252000      |
| ALI        | #      | agg. Alisma sp.                 | water-plantain             | E                | ALISMATACEAE      | 594000      |
| ALI        | ##     | Alisma spp.                     | water-plantain             | E                | ALISMATACEAE      | 595000      |
| ALILAGR    | #      | Alisma sp.L.                    | water-plantain             | E                | ALISMATACEAE      | 593000      |
| ALIPL      | -      | Alisma plantago-aquatica L.     | water-plantain             | EG               | ALISMATACEAE      | 591000      |
| ALIPL      | /      | Alisma cf. plantago-aquatica L. | water-plantain             | EG               | ALISMATACEAE      | 592000      |
| ALIS       | ~      | Alismataceae indet.             | -                          | E                | ALISMATACEAE      | 596000      |
| ALNGLIN    | !      | Alnus glutinosa/incana          | alder/grey alder           |                  | BETULACEAE        | 403100      |
| AMA        | #!/    | cf. Amaranthus sp.              | -                          | -                | CF. AMARANTHACEAE | 150000      |
| ANAAR      | -      | Anagallis arvensis L.           | scarlet pimpernel          | AG               | PRIMULACEAE       | 406500      |
| ANAAR      | //     | cf. Anagallis arvensis          | scarlet pimpernel          | AG               | PRIMULACEAE       | 406700      |
| ANAARMITE  | !      | Anagallis sp.                   | pimpernel                  | ADEG             | PRIMULACEAE       | 407000      |
| ANEGR      | -      | Anethum graveolens L.           | dill                       | BFGI             | UMBELLIFERAE      | 297001      |
| ANEGR      | //     | cf. Anethum graveolens          | dill                       | BFGI             | UMBELLIFERAE      | 297100      |
| ANTAR      | -      | Anthemis arvensis L.            | corn chamomile             | ABGH             | COMPOSITAE        | 517000      |
| ANTARCO    | !      | Anthemis arvensis/cotula        | mayweed/chamomile          | ABGH             | COMPOSITAE        | 518000      |
| ANTARCOTI  | !      | Anthemis sp.                    | mayweed/chamomile          | ABGH             | COMPOSITAE        | 519000      |
| ANTARCOTI  | !/     | cf. Anthemis sp.                | mayweed/chamomile          | ABGH             | COMPOSITAE        | 520000      |

|         |     |  |                                  |      |                 |        |
|---------|-----|--|----------------------------------|------|-----------------|--------|
| ANTCA   | _   | <i>Anthriscus caucalis</i> Bieb.             | bur chervil                      | BCD  | UMBELLIFERAE    | 281500 |
| ANTCHR  | !#  | <i>Anthemis/Chrysanthemu</i><br>m sp.        | -                                | ABD  | COMPOSITAE      | 532000 |
| ANTCO   | _   | <i>Anthemis cotula</i> L.                    | stinking mayweed                 | ABGH | COMPOSITAE      | 514000 |
| ANTCO   | _HD | <i>Anthemis cotula</i> L.                    | stk.mayweed seed<br>head         | ABGH | COMPOSITAE      | 514010 |
| ANTCO   | /   | <i>Anthemis</i> cf. <i>cotula</i>            | stinking mayweed                 | ABGH | COMPOSITAE      | 515000 |
| ANTCO   | //  | cf. <i>Anthemis cotula</i>                   | stinking mayweed                 | ABGH | COMPOSITAE      | 516000 |
| ANTSY   | _   | <i>Anthriscus sylvestris</i> (L.)<br>Hoffm.  | Cow Parsley                      | BC   | UMBELLIFERAE    | 281510 |
| APHAR   | _   | <i>Aphanes arvensis</i> agg.                 | parsley piert                    | ABD  | ROSACEAE        | 254000 |
| APHAR   | //  | cf. <i>Aphanes arvensis</i> agg.             | parsley piert                    | ABD  | ROSACEAE        | 255000 |
| API     | #   | <i>Apium</i> sp.                             | -                                | EFI  | UMBELLIFERAE    | 300900 |
| API     | #!/ | cf. <i>Apium</i> sp.                         | -                                | EFI  | UMBELLIFERAE    | 301010 |
| API     | ##/ | cf. <i>Apium</i> spp.                        | -                                | EFI  | UMBELLIFERAE    | 301100 |
| API     | !#  | <i>Apium</i> sp. type                        | -                                | EFI  | UMBELLIFERAE    | 301200 |
| APIBER  | !#  | <i>Apium/Berula</i> sp.                      | -                                | EFI  | UMBELLIFERAE    | 301300 |
| APIGR   | _   | <i>Apium graveolens</i> L.                   | celery                           | EFI  | UMBELLIFERAE    | 300001 |
| APIGR   | /   | <i>Apium</i> cf. <i>graveolens</i>           | celery                           | EFI  | UMBELLIFERAE    | 300010 |
| APIGR   | //  | cf. <i>Apium graveolens</i>                  | celery                           | EFI  | UMBELLIFERAE    | 300100 |
| APIIN   | /   | <i>Apium</i> cf. <i>inundatum</i>            | -                                | E    | UMBELLIFERAE    | 300600 |
| APIIN   | //  | cf. <i>Apium inundatum</i>                   | -                                | E    | UMBELLIFERAE    | 300700 |
| APIINNO | !   | <i>Apium</i><br><i>inundatum/nodiflorum</i>  | - /fool's watercress             | E    | UMBELLIFERAE    | 300800 |
| APINO   | _   | <i>Apium nodiflorum</i> (L.)Lag.             | fool'watercress                  | E    | UMBELLIFERAE    | 300200 |
| APINO   | /   | <i>Apium</i> cf. <i>nodiflorum</i>           | fool'watercress                  | E    | UMBELLIFERAE    | 300300 |
| APINO   | //  | cf. <i>Apium nodiflorum</i>                  | fool'watercress                  | E    | UMBELLIFERAE    | 300400 |
| APINOGR | !   | <i>Apium</i><br><i>graveolens/nodiflorum</i> | wild celery/fool's<br>watercress | E    | UMBELLIFERAE    | 300500 |
| AQUVU   | _   | <i>Aquilegia vulgaris</i> L.                 | columbine                        | CEGI | RANUNCULACEAE   | 26500  |
| ARC     | #   | <i>Arctium</i> sp.                           | burdock                          | BCD  | COMPOSITAE      | 537000 |
| ARCLA   | _   | <i>Arctium lappa</i> L.                      | great burdock                    | B(D) | COMPOSITAE      | 534000 |
| ARCLA   | //  | cf. <i>Arctium lappa</i>                     | great burdock                    | B(D) | COMPOSITAE      | 535000 |
| ARCM    | _   | <i>Arctium minus</i> Bernh.                  | lesser burdock                   | BC   | COMPOSITAE      | 535150 |
| ARCM    | /   | <i>Arctium</i> cf. <i>minus</i>              | lesser burdock                   | BC   | COMPOSITAE      | 535200 |
| ARCMILA | #   | <i>Arctium</i> sp.                           | burdock                          | BCD  | COMPOSITAE      | 536000 |
| ARE     | #!/ | cf. <i>Arenaria</i> sp.                      | sandwort                         | ABD  | CARYOPHYLLACEAE | 140000 |
| ARECER  | !// | <i>Arenaria/Cerastium</i> sp.                | sandwort/chickweed               | ABCD | CARYOPHYLLACEAE | 141000 |

|         |      |   |                                 |        |                 |        |
|---------|------|---|---------------------------------|--------|-----------------|--------|
| ARELE   | _    | Arenaria leptoclados<br>(Rchb.)Guss     | lesser thyme-leaved<br>sandwort | AB     | CARYOPHYLLACEAE | 136000 |
| ARELE   | /    | Arenaria cf. leptoclados                | lesser thyme-leaved<br>sandwort | AB     | CARYOPHYLLACEAE | 136100 |
| ARELE   | //   | cf. Arenaria leptoclados                | lesser thyme-leaved<br>sandwort | AB     | CARYOPHYLLACEAE | 137000 |
| ARESE   | _    | Arenaria serpyllifolia L.               | thyme-leaved sandwort           | ABD    | CARYOPHYLLACEAE | 134000 |
| ARESE   | /    | Arenaria cf. serpyllifolia              | thyme-leaved sandwort           | ABD    | CARYOPHYLLACEAE | 135000 |
| ARESELE | !    | Arenaria<br>serpyllifolia/leptoclades   | thyme-leaved sandwort           | ABD    | CARYOPHYLLACEAE | 138000 |
| ARESELE | !//  | cf. Arenaria<br>serpyllifolia/leptoclad | thyme-leaved sandwort           | ABD    | CARYOPHYLLACEAE | 139000 |
| ARREL   | _    | Arrhenatherum elatius<br>(L.)Beauv.     | false oat-grass/onion<br>couch  | D      | GRAMINEAE       | 680000 |
| ARREL   | //   | cf. Arrhenatherum elatius               | false oat-grass/onion<br>couch  | D      | GRAMINEAE       | 681000 |
| ART     | #    | Artemisia sp.                           | mugwort etc.                    | BCGH   | COMPOSITAE      | 533000 |
| ART     | #!/  | cf. Artemisia sp.                       | mugwort etc.                    | BCGH   | COMPOSITAE      | 533500 |
| ARTAB   | _    | Artemisia absinthium L.                 | wormwood                        | BGH    | COMPOSITAE      | 532700 |
| ASPGAL  | !#   | Galium/Asperula sp.                     | bedstraw/woodruff               | ABCDEG | RUBIACEAE       | 490000 |
| ASPGAL  | !#/  | cf. Galium/Asperula sp.                 | bedstraw/woodruff               | ABCDEG | RUBIACEAE       | 491000 |
| ATR     | #    | Atriplex sp.                            | orache                          | ABFGH  | CHENOPODIACEAE  | 176000 |
| ATR     | ##   | Atriplex spp.                           | oraches                         | ABFGH  | CHENOPODIACEAE  | 177000 |
| ATR     | #!/  | cf. Atriplex sp.                        | orache                          | ABFGH  | CHENOPODIACEAE  | 178000 |
| ATR     | ##/  | cf. Atriplex spp.                       | oraches                         | ABFGH  | CHENOPODIACEAE  | 179000 |
| ATRBE   | _    | Atropa bella-donna L.                   | Deadly Nightshade               | CG     | SOLANACEAE      | 412000 |
| ATRCHE  | !#   | Chenopodium/Atriplex sp.                | goosefoots/oraches              | ABFGH  | CHENOPODIACEAE  | 179500 |
| ATRCHE  | !##  | Chenopodium/Atriplex<br>spp.            | goosefoots/oraches              | ABFGH  | CHENOPODIACEAE  | 179600 |
| ATRHAPA | !    | Atriplex hastata/patula                 | orache                          | ABFGH  | CHENOPODIACEAE  | 173000 |
| ATRHAPA | !//  | Atriplex cf. hastata/patula             | orache                          | ABFGH  | CHENOPODIACEAE  | 174000 |
| ATRHAPA | !//  | cf. Atriplex hastata/patula             | orache                          | ABFGH  | CHENOPODIACEAE  | 175000 |
| AVE     | #    | Avena sp.                               | oat                             | AFI    | GRAMINEAE       | 840    |
| AVE     | #FL  | Avena sp.                               | oat floret                      | AFI    | GRAMINEAE       | 845    |
| AVE     | #A   | Avena sp.                               | oat awn                         | AFI    | GRAMINEAE       | 850    |
| AVE     | #!/  | cf. Avena sp.                           | oat                             | AFI    | GRAMINEAE       | 860    |
| AVE     | #/FL | cf. Avena sp.                           | oat floret                      | AFI    | GRAMINEAE       | 865    |
| AVE     | #/A  | cf. Avena sp.                           | oat awn                         | AFI    | GRAMINEAE       | 870    |

|            |       |                         |                             |        |           |        |
|------------|-------|-------------------------|-----------------------------|--------|-----------|--------|
| AVE        | #!    | Avena sp. type          | oat                         | AFI    | GRAMINEAE | 880    |
| AVEBRO     | !#    | Avena/Bromus sp.        | oat/brome grass             | ABCDFI | GRAMINEAE | 670000 |
| AVEBRO     | !#/   | cf. Avena/Bromus sp.    | oat/brome grass             | ABCDFI | GRAMINEAE | 671000 |
| AVEBRO     | !##   | Avena/Bromus spp.       | oat/brome grasses           | ABCDFI | GRAMINEAE | 672000 |
| AVEFALU    | !     | Avena fatua/ludoviciana | wild oat                    | A      | GRAMINEAE | 668000 |
| AVEFALU    | !FL   | Avena fatua/ludoviciana | wild oat floret             | A      | GRAMINEAE | 669000 |
| AVEHOR     | !#    | Avena/Hordeum sp.       | oat/barley                  | AFI    | GRAMINEAE | 910    |
| AVEHOR     | !#FL  | Avena/Hordeum sp.       | oat/barley floret           | AFI    | GRAMINEAE | 912    |
| AVEHOR     | !##/  | cf. Avena/Hordeum spp.  | oat/barley                  | AFI    | GRAMINEAE | 915    |
| AVEHORSECT | !#    | Cerealia                | indet. cereal               | FI     | GRAMINEAE | 935    |
| AVEHORSECT | !##   | Cerealia                | indet. cereal               | FI     | GRAMINEAE | 940    |
| AVEHORSECT | !##CN | Cerealia                | indet. cereal, culm<br>node | FI     | GRAMINEAE | 945    |
| AVEHORSECT | !##R  | Cerealia                | indet. cereal, rachis       | FI     | GRAMINEAE | 950    |
| AVEHORSECT | !##G  | cerealia                | indet. cereal, glume        | FI     | GRAMINEAE | 955    |
| AVEHORSECT | !##CO | Cerealia                | indet. cereal, coleoptile   | FI     | GRAMINEAE | 960    |
| AVEHORSECT | !##A  | Cerealia                | indet. cereal, awn          | FI     | GRAMINEAE | 965    |
| AVEHORSECT | !##/  | Cerealia                | cf. indet. cereal           | FI     | GRAMINEAE | 980    |
| AVEHORSECT | !##B  | Cerealia                | indet. cereal, bran         | FI     | GRAMINEAE | 985    |

|              |       |                                    |                                 |      |               |        |
|--------------|-------|------------------------------------|---------------------------------|------|---------------|--------|
| AVEHORSECTRI | !##ST | Cerealia                           | indet. cereal, straw            | FI   | GRAMINEAE     | 970    |
| AVESA        | _     | Avena sativa L.                    | cultivated oat                  | FI   | GRAMINEAE     | 800    |
| AVESA        | _HU   | Avena sativa                       | cultivated oat                  | FI   | GRAMINEAE     | 801    |
| AVESA        | _A    | Avena sativa L.                    | cult. oat awn                   | FI   | GRAMINEAE     | 802    |
| AVESA        | /     | Avena cf. sativa                   | cultivated oat                  | FI   | GRAMINEAE     | 805    |
| AVESEC       | !#    | Avena/Secale sp.                   | oat/rye                         | AFI  | GRAMINEAE     | 920    |
| AVETRI       | !#    | Avena/Triticum sp.                 | oat/wheat                       | AFI  | GRAMINEAE     | 890    |
| BALMAR       | !     | Ballota nigra/Marrubium<br>vulgare | horehound                       | BCDG | LABIATAE      | 469100 |
| BALNI        | _     | Ballota nigra L.                   | black horehound                 | CG   | LABIATAE      | 455000 |
| BALNI        | //    | cf. Ballota nigra                  | black horehound                 | CG   | LABIATAE      | 456000 |
| BARVU        | _     | Barbarea vulgaris R.Br.            | Yellow Rocket                   | BC   | CRUCIFERAE    | 59100  |
| BELPE        | _     | Bellis perennis L.                 | daisy                           | D    | COMPOSITAE    | 512000 |
| BELPE        | //    | cf. Bellis perennis                | daisy                           | D    | COMPOSITAE    | 513000 |
| BERER        | _     | Berula erecta<br>(Huds.)Coville    | narrow-leaved water-<br>parsnip | E    | UMBELLIFERAE  | 292001 |
| BERER        | //    | cf. Berula erecta                  | narrow-leaved water-<br>parsnip | E    | UMBELLIFERAE  | 292100 |
| BERVU        | _     | Berberis vulgaris L.               | barberry                        | CFH  | BERBERIDACEAE | 31200  |
| BERVU        | //    | cf. Berberis vulgaris L.           | barberry                        | CFH  | BERBERIDACEAE | 31300  |
| BERVU        | //F   | cf. Berberis vulgaris              | barberry, fruit                 | CFH  | BERBERIDACEAE | 31350  |
| BETPEPU      | !     | Betula sp.                         | birch                           |      | BETULACEAE    | 402000 |
| BETPEPUNA    | !#    | Betula sp.                         | birch                           | CDH  | BETULACEAE    | 403000 |
| BETPEPUNA    | !##   | Betula spp.                        | birch                           | CDH  | BETULACEAE    | 403050 |
| BETPU        | _     | Betula pubescens Ehrh.             | downy birch                     | CDH  | BETULACEAE    | 401900 |
| BIDCE        | _     | Bidens cernua L.                   | nodding bur-marigold            | E    | COMPOSITAE    | 500000 |
| BIDCE        | /     | Bidens cf. cernua                  | nodding bur-marigold            | E    | COMPOSITAE    | 501000 |
| BIDCE        | //    | cf. Bidens cernua                  | nodding bur-marigold            | E    | COMPOSITAE    | 502000 |
| BIDCETR      | !     | Bidens sp.                         | bur-marigold                    | E    | COMPOSITAE    | 505000 |
| BIDCETRFR    | !     | Bidens sp.                         | bur-marigold                    | E    | COMPOSITAE    | 506000 |
| BIDTR        | _     | Bidens tripartita L.               | tripartite bur-marigold         | E    | COMPOSITAE    | 503000 |
| BIDTR        | /     | Bidens cf. tripartita              | tripartite bur-marigold         | E    | COMPOSITAE    | 504000 |
| BORA         | ~/    | cf. Boraginaceae indet.            | -                               | -    | BORAGINACEAE  | 411500 |
| BRA          | #     | Brassica sp.                       | wild<br>cabbage/turnip/mustard  | ABFI | CRUCIFERAE    | 47000  |

|          |      |                                      |                                   |        |               |        |
|----------|------|--------------------------------------|-----------------------------------|--------|---------------|--------|
| BRA      | !#   | Brassica sp. type                    | wild<br>cabbage/turnip/mustard    | ABFI   | CRUCIFERAE    | 48000  |
| BRA      | ##   | Brassica spp.                        | wild<br>cabbage/turnip/mustard    | ABFI   | CRUCIFERAE    | 49000  |
| BRA      | #/   | cf. Brassica sp.                     | wild                              | ABFI   | CRUCIFERAE    | 50000  |
| BRA      | ##/  | cf. Brassica spp.                    | cabbage/turnip/mustard<br>wild    | ABFI   | CRUCIFERAE    | 51000  |
| BRANA    | /    | Brassica cf. napus                   | rape,cole,swedish<br>turnip or sw | ABFI   | CRUCIFERAE    | 45100  |
| BRANI    | _    | Brassica nigra (L.)Koch              | black mustard                     | BFHI   | CRUCIFERAE    | 44600  |
| BRANI    | /    | Brassica cf.nigra                    | black mustard                     | BFHI   | CRUCIFERAE    | 46000  |
| BRAOL    | /    | Brassica cf. oleraceus               | cabbage                           | ADFI   | CRUCIFERAE    | 45000  |
| BRARA    | /    | Brassica cf. rapa                    | turnip,navew                      | ABFI   | CRUCIFERAE    | 45600  |
| BRASIN   | !#   | Brassica/Sinapis sp.                 | -                                 | ABFGHI | CRUCIFERAE    | 51500  |
| BRASIN   | !##  | Brassica/Sinapis spp.                | -                                 | ABFGHI | CRUCIFERAE    | 52000  |
| BRASIN   | !#/  | cf. Brassica/Sinapis sp.             | -                                 | ABFGHI | CRUCIFERAE    | 52100  |
| BRASIN   | !##/ | cf. Brassica/Sinapis spp.            | -                                 | ABFGHI | CRUCIFERAE    | 53000  |
| BRASINAR | !#_  | Brassica sp./Sinapis                 | -                                 | ABFHI  | CRUCIFERAE    | 51100  |
| BRASINAR | !#_F | Brassica sp./Sinapis<br>arvensis     | - fruit                           | ABFHI  | CRUCIFERAE    | 51110  |
| BRO      | #    | Bromus sp.                           | brome                             | ABD    | GRAMINEAE     | 663000 |
| BRO      | ##   | Bromus spp.                          | bromes                            | ABD    | GRAMINEAE     | 664000 |
| BRO      | #/   | cf. Bromus sp.                       | brome                             | ABD    | GRAMINEAE     | 665000 |
| BRO      | ##/  | cf. Bromus spp.                      | brome                             | ABD    | GRAMINEAE     | 665500 |
| BROMO    | /    | Bromus cf. mollis                    | lop-grass                         | BD     | GRAMINEAE     | 660000 |
| BROMOSE  | !    | Bromus secalinus/mollis              | rye-brome/lop-grass               | ABD    | GRAMINEAE     | 661000 |
| BROMOSE  | !/   | Bromus cf.<br>secalinus/mollis       | rye-brome/lop-grass               | ABD    | GRAMINEAE     | 662000 |
| BRYDI    | _    | Bryonia dioica Jacq.                 | bryony                            | CG     | CUCURBITACEAE | 342000 |
| BRYDI    | /    | Bryonia cf. dioica                   | bryony                            | CG     | CUCURBITACEAE | 343000 |
| BRYDI    | //   | cf. Bryonia dioica Jacq.             | bryony                            | CG     | CUCURBITACEAE | 344000 |
| BUP      | #    | Bupleurum sp.                        | -                                 | ABCD   | UMBELLIFERAE  | 299200 |
| BUP      | #/   | cf. Bupleurum sp.                    | -                                 | ABCD   | UMBELLIFERAE  | 299300 |
| BUPRO    | _    | Bupleurum rotundifolium              | hare's ear                        | AG     | UMBELLIFERAE  | 298150 |
| BUPRO    | /    | L.<br>Bupleurum cf.<br>rotundifolium | hare's-ear                        | AG     | UMBELLIFERAE  | 299000 |

|           |     |                                     |                  |        |                                |        |
|-----------|-----|-------------------------------------|------------------|--------|--------------------------------|--------|
| BUPRO     | //  | cf. Bupleurum rotundifolium         | hare's-ear       | AG     | UMBELLIFERAE                   | 299100 |
| BUXSE     | _   | Buxus sempervirens L.               | box, leaves      | CI     | BUXACEAE                       | 194000 |
| BUXSE     | //  | cf. Buxus sempervirens              | box leaves       | CI     | BUXACEAE                       | 194010 |
| CAD       | #   | Carduus sp.                         | thistle          | ABCDEG | COMPOSITAE                     | 537500 |
| CAD       | ##  | Carduus spp.                        | thistle          | ABCDEG | COMPOSITAE                     | 537550 |
| CAD       | #!/ | cf. Carduus sp.                     | thistle          | ABCDEG | COMPOSITAE                     | 537600 |
| CAL       | #   | Calamintha sp.                      | calamint         | D      | LABIATAE                       | 449000 |
| CALPA     | _   | Caltha palustris L.                 | marsh marigold   | CE     | RANUNCULACEAE                  | 5000   |
| CALPA     | //  | cf. Caltha palustris                | marsh marigold   | CE     | RANUNCULACEAE                  | 6000   |
| CALSY     | /   | Calamintha cf. sylvatica            | calamint         | D      | LABIATAE                       | 448500 |
| CAMSA     | _   | Camelina sativa (L.) Cranz          | gold of pleasure | AHI    | CRUCIFERAE                     | 68000  |
| CAMSA     | //  | cf. Camelina sativa                 | gold of pleasure | AHI    | CRUCIFERAE                     | 69000  |
| CANN      | ~   | Cannabiaceae indet.                 |                  | BCGHI  | CANNABIACEAE                   | 396100 |
| CANSA     | _   | Cannabis sativa L.                  | hemp             | BGHI   | CANNABIACEAE                   | 395500 |
| CANSA     | //  | cf. Cannabis sativa L.              | hemp             | BGHI   | CANNABIACEAE                   | 396000 |
| CAPBU     | _   | Capsella bursa-pastoris (L.) Medic. | shepherd's purse | AB     | CRUCIFERAE                     | 58000  |
| CAPBU     | //  | cf. Capsella bursa-pastoris         | shepherd's purse | AB     | CRUCIFERAE                     | 59000  |
| CAR       | #   | Carex sp.                           | sedge            | CDEH   | CYPERACEAE                     | 636000 |
| CAR       | ##  | Carex spp.                          | sedges           | CDEH   | CYPERACEAE                     | 637000 |
| CAR       | #!/ | cf. Carex sp.                       | sedge            | CDEH   | CYPERACEAE                     | 638000 |
| CAR       | ##/ | cf. Carex spp.                      | sedges           | CDEH   | CYPERACEAE                     | 639000 |
| CARCA     | //  | cf. Carum carvi                     | caraway          | BFGI   | UMBELLIFERAE                   | 303000 |
| CARCIR    | !#  | Carduus/Cirsium sp.                 | thistles         | ABDEG  | COMPOSITAE                     | 545000 |
| CARCIR    | !## | Carduus/Cirsium spp.                | thistles         | ABDEG  | COMPOSITAE                     | 545500 |
| CARCIR    | !#/ | cf. Carduus/Cirsium                 | thistles         | ABDEG  | COMPOSITAE                     | 546000 |
| CARCIRGEN | !   | Carduus/Cirsium/Centauria           | thistle/knapweed | ABCD   | COMPOSITAE                     | 552000 |
| CARY      | ~   | Caryophyllaceae indet.              | -                | -      | CARYOPHYLLACEAE                | 146000 |
| CARY      | ~/  | cf. Caryophyllaceae                 | -                | -      | CARYOPHYLLACEAE                | 146200 |
| CARYCHEN  | !~  | Caryophyllaceae/Chenopodiaceae      | -                | -      | CARYOPHYLLACEAE/CHENOPODIACEAE | 146500 |



|              |     |                                     |                            |        |  |        |
|--------------|-----|-------------------------------------|----------------------------|--------|--|--------|
| CARYCHENPORT | ~!  | Caryophyllaceae/Chenopodiaceae/Port | -                          | ABCDE  | CARYOPHYLLACEAE/CHE<br>NOPODIACEAE/POR | 182000 |
| CARYCHENPORT | ~/! | cf. Caryophyllaceae/Chenopodiaceae/ | -                          | ABCDE  | CARYOPHYLLACEAE/CHE<br>NOPODIACEAE/POR | 183000 |
| CASSA        | _   | Castanea sativa Miller              | sweet chestnut             |        | FAGACEAE                               | 406110 |
| CAT          | #   | Callitriche sp.                     | -                          | E      | CALLITRICHACEAE                        | 278000 |
| CAT          | #!/ | cf. Callitriche sp.                 | -                          | E      | CALLITRICHACEAE                        | 279000 |
| CED          | #   | Cedrus sp.                          | cedar                      |        | PINACEAE                               | 3900   |
| CEDLI        | _   | Cedrus libana A. Rich.              | cedar of lebanon           |        | PINACEAE                               | 3950   |
| CEN          | #   | Centaurea sp.                       | knapweed/thistle           | ABDGH  | COMPOSITAE                             | 550000 |
| CEN          | #!/ | cf. Centaurea sp.                   | knapweed/thistle           | ABDGH  | COMPOSITAE                             | 551000 |
| CENCY        | _   | Centaurea cyanus L.                 | cornflower                 | ABGH   | COMPOSITAE                             | 547000 |
| CENCY        | /   | Centaurea cf. cyanus                | cornflower                 | ABGH   | COMPOSITAE                             | 548000 |
| CENNI        | _   | Centaurea nigra                     | lesser knapweed            | BDG    | COMPOSITAE                             | 549000 |
| CENNI        | /   | Centaurea cf. nigra                 | lesser knapweed            | BDG    | COMPOSITAE                             | 549500 |
| CENRU        | //  | cf. Centranthus ruber               | Red Valerian               | B      | VALERIANACEAE                          | 499100 |
| CER          | #   | Cerastium sp.                       | mouse-ear chickweed        | ABD    | CARYOPHYLLACEAE                        | 107000 |
| CER          | ##  | Cerastium spp.                      | mouse-ear chickweed        | ABD    | CARYOPHYLLACEAE                        | 108000 |
| CER          | #!/ | cf. Cerastium sp.                   | mouse-ear chickweed        | ABD    | CARYOPHYLLACEAE                        | 109000 |
| CERHO        | //  | cf. Cerastium holostoides           | common mouse-ear chickweed | ABCD   | CARYOPHYLLACEAE                        | 106000 |
| CHA          | #   | Chara sp.                           | -                          | E      | CHARACEAE                              | 1000   |
| CHA          | ##  | Chara spp.                          | -                          | E      | CHARACEAE                              | 1500   |
| CHA          | #!/ | cf. Chara sp.                       | -                          | E      | CHARACEAE                              | 2000   |
| CHAAU        | //  | cf. Chaerophyllum aureum            | golden chervil             | D      | UMBELLIFERAE                           | 280800 |
| CHAAUTE      | !   | Chaerophyllum sp.                   | chervil                    | CD     | UMBELLIFERAE                           | 281000 |
| CHAAUTE      | !/  | cf. Chaerophyllum sp.               | chervil                    | CD     | UMBELLIFERAE                           | 281100 |
| CHANO        | _   | Chamaemelum nobile (L.)             | chamomile                  | BDFG   | COMPOSITAE                             | 521000 |
| CHANO        | //  | All. cf. Chamaemelum nobile         | Chamomile                  | BDFG   | COMPOSITAE                             | 521100 |
| CHE          | #   | Chenopodium sp.                     | goosefoot etc.             | ABCDFH | CHENOPODIACEAE                         | 168000 |
| CHE          | ##  | Chenopodium spp.                    | goosefoot etc.             | ABCDFH | CHENOPODIACEAE                         | 169000 |
| CHE          | #!/ | cf. Chenopodium sp.                 | goosefoot etc.             | ABFH   | CHENOPODIACEAE                         | 170000 |
| CHEAL        | _   | Chenopodium album L.                | fat hen                    | ABFH   | CHENOPODIACEAE                         | 154000 |

|         |               |                                |                         |      |                    |        |
|---------|---------------|--------------------------------|-------------------------|------|--------------------|--------|
| CHEAL   | /             | Chenopodium cf. album          | fat hen                 | ABFH | CHENOPODIACEAE     | 155000 |
| CHEAL   | !!            | Chenopodium album gp.          |                         | AB   | CHENOPODIACEAE     | 155500 |
| CHEAL   | !             | Chenopodium album type         | fat hen                 | ABFH | CHENOPODIACEAE     | 156000 |
| CHEAL   | !/<br>type    | Chenopodium cf. album          | fat hen                 | ABFH | CHENOPODIACEAE     | 157000 |
| CHEBO   | —             | Chenopodium bonus-henricus     | all-good L.             | BCDF | CHENOPODIACEAE     | 151000 |
| CHEBO   | /             | Chenopodium cf. bonus-henricus | all-good                | BCDF | CHENOPODIACEAE     | 151500 |
| CHEFI   | —             | Chenopodium ficifolium         | fig-leaved goosefoot    | AB   | CHENOPODIACEAE     | 158000 |
| CHEFI   | /             | Chenopodium cf. ficifolium     | fig-leaved goosefoot    | AB   | CHENOPODIACEAE     | 159000 |
| CHEGLRU | !             | Chenopodium rubrum/glaucum     | red/glaucous goosefoot  | AB   | CHENOPODIACEAE     | 166000 |
| CHEGLRU | !/<br>glaucum | Chenopodium cf. rubrum/glaucum | red/glaucous goosefoot  | AB   | CHENOPODIACEAE     | 167000 |
| CHEHY   | —             | Chenopodium hybridum L.        | maple-leaved goosefoot  | AB   | CHENOPODIACEAE     | 164000 |
| CHEHY   | /             | Chenopodium cf. hybridum       | maple-leaved goosefoot  | AB   | CHENOPODIACEAE     | 165000 |
| CHEMU   | —             | Chenopodium murale L.          | nettle-leaved goosefoot | BD   | CHENOPODIACEAE     | 161000 |
| CHEMU   | /             | Chenopodium cf. murale         | nettle-leaved goosefoot | BD   | CHENOPODIACEAE     | 162000 |
| CHEN    | ~             | Chenopodiaceae indet.          | -                       | -    | CHENOPODIACEAE     | 180000 |
| CHEN    | ~/<br>indet.  | cf. Chenopodiaceae             | -                       | -    | CF. CHENOPODIACEAE | 181000 |
| CHEPO   | —             | Chenopodium polyspermum        | all-seed                | AB   | CHENOPODIACEAE     | 152000 |
| CHEPO   | /             | Chenopodium cf. polyspermum    | all-seed                | AB   | CHENOPODIACEAE     | 153000 |
| CHERU   | —             | Chenopodium rubrum L.          | red goosefoot           | AB   | CHENOPODIACEAE     | 165400 |
| CHERU   | /             | Chenopodium cf. rubrum         | red goosefoot           | AB   | CHENOPODIACEAE     | 165500 |
| CHEUR   | //            | cf. Chenopodium urticum        | upright goosefoot       | AB   | CHENOPODIACEAE     | 163000 |
| CHLMA   | —             | Chelidonium majus L.           | greater celandine       | BC   | PAPAVERACEAE       | 42700  |
| CHLMA   | //            | cf. Chelidonium majus          | greater celandine       | BC   | PAPAVERACEAE       | 42750  |
| CHR     | #             | Chrysanthemum sp.              | -                       | ABCD | COMPOSITAE         | 530000 |
| CHR     | #/            | cf. Chrysanthemum sp.          | -                       | ABCD | COMPOSITAE         | 531000 |

|        |     |                                       |                                    |          |                |        |
|--------|-----|---------------------------------------|------------------------------------|----------|----------------|--------|
| CHRLE  | -   | Chrysanthemum<br>leucanthemum L.      | ox-eye daisy                       | D        | COMPOSITAE     | 527000 |
| CHRLE  | /   | Chrysanthemum cf.<br>leucanthemum     | ox-eye daisy                       | D        | COMPOSITAE     | 529000 |
| CHRSE  | -   | Chrysanthemum segetum<br>L.           | corn marigold                      | AHI      | COMPOSITAE     | 524000 |
| CHRSE  | /   | Chrysanthemum cf.<br>segetum          | corn marigold                      | AHI      | COMPOSITAE     | 525000 |
| CHRSE  | //  | cf. Chrysanthemum<br>segetum          | corn marigold                      | AHI      | COMPOSITAE     | 526000 |
| CICIN  | -   | Cichorium intybus L.                  | chicory                            | CD       | COMPOSITAE     | 553000 |
| CICIN  | /   | Cichorium cf.intybus                  | chicory                            | CD       | COMPOSITAE     | 554000 |
| CICIN  | //  | cf. Cichorium intybus                 | chicory                            | CD       | COMPOSITAE     | 555000 |
| CIR    | #   | Cirsium sp.                           | thistle                            | ABCDEFGF | COMPOSITAE     | 543000 |
| CIR    | #!/ | cf. Cirsium sp.                       | thistle                            | ABCDEFGF | COMPOSITAE     | 544000 |
| CIRAR  | -   | Cirsium arvense (L.)<br>Scop          | creeping thistle                   | AB       | COMPOSITAE     | 540000 |
| CIRAR  | /   | Cirsium cf. arvense                   | creeping thistle                   | AB       | COMPOSITAE     | 541000 |
| CIRAR  | //  | cf. Cirsium arvense                   | creeping thistle                   | AB       | COMPOSITAE     | 542000 |
| CIRVU  | -   | Cirsium vulgare (Savi)<br>Ten         | spear thistle                      | AB       | COMPOSITAE     | 538000 |
| CIRVU  | /   | Cirsium cf. vulgare                   | spear thistle                      | AB       | COMPOSITAE     | 539000 |
| CIT    | #   | Citrus sp.                            |                                    | FI       | RUTACEAE       | 345600 |
| CIT    | //  | cf. Citrus sp.                        |                                    | FI       | RUTACEAE       | 345700 |
| CLAMA  | -   | Cladium mariscus<br>(L.)Pohl          | sedge                              | E        | CYPERACEAE     | 634000 |
| CLAMA  | //  | cf. Cladium mariscus                  | sedge                              | E        | CYPERACEAE     | 635000 |
| CLE    | #!/ | cf. Calendula sp.                     | marigold                           | BI       | COMPOSITAE     | 511500 |
| CND    | #!/ | cf. Calendula sp.                     | marigold                           | GHI      | COMPOSITAE     | 510500 |
| COMP   | ~   | Compositae indet.                     | -                                  | -        | COMPOSITAE     | 589000 |
| COMP   | ~/  | cf. Compositae indet.                 | -                                  | -        | cf. COMPOSITAE | 590000 |
| CONMA  | -   | Conium maculatum L.                   | hemlock                            | CEG      | UMBELLIFERAE   | 298000 |
| CONMA  | //  | cf. Conium maculatum                  | hemlock                            | CEG      | UMBELLIFERAE   | 298100 |
| CONMJ  | -   | Conopodium majus<br>(Gouan) Loret     | pignut, earthnut                   | CDF      | UMBELLIFERAE   | 282110 |
| CONMJ  | //  | cf. Conopodium majus<br>(Gouan) Loret | pignut, earthnut                   | CDF      | UMBELLIFERAE   | 282115 |
| CONRUS | !#  | Convallaria/Ruscus sp.                | lily-of-the-<br>valley/butcher's b | CFGH     | LILIACEAE      | 604000 |

|           |     |                                       |                                   |         |                  |        |
|-----------|-----|---------------------------------------|-----------------------------------|---------|------------------|--------|
| CONSA     | -   | Cornus sanguinea L.                   | dogwood                           | CH      | CORNACEAE        | 279500 |
| CONSA     | //  | cf. Cornus sanguinea L.               | dogwood                           | CH      | CORNACEAE        | 279550 |
| CORAV     | -   | Corylus avellana L.                   | hazel                             | CF      | CORYLACEAE       | 405000 |
| CORAV     | //  | cf. Corylus avellana                  | hazel                             | CF      | CORYLACEAE       | 406000 |
| CORSA     | -   | Coriandrum sativum L.                 | coriander                         | FGI     | UMBELLIFERAE     | 282001 |
| CORSA     | //  | cf. Coriandrum sativum                | coriander                         | FGI     | UMBELLIFERAE     | 282100 |
| CORSAMA   | !   | Cornus sp.                            | dogwood/cornelian<br>cherry       |         | CORNACEAE        | 280000 |
| CRAMALPYR | !#  | C.laevigata/monogyna/P.<br>sp./M. sp. | hawthorn/apple/pear               |         | ROSACEAE         | 269900 |
| CRAMO     | -   | Crataegus monogyna<br>Jacq.           | hawthorn                          | C       | ROSACEAE         | 270000 |
| CRAMO     | //  | cf. Crataegus monogyna                | hawthorn                          | C       | ROSACEAE         | 270200 |
| CRE       | #   | Crepis sp.                            | hawk's beard                      | BCE     | COMPOSITAE       | 584000 |
| CRE       | #/  | cf. Crepis sp.                        | hawk's beard                      | BCE     | COMPOSITAE       | 585000 |
| CRECA     | /   | Crepis cf. capillaris                 | smooth hawk's-beard               | BD      | COMPOSITAE       | 583000 |
| CRPBE     | -   | Carpinus betulus L.                   | hornbeam                          | C       | CORYLACEAE       | 404000 |
| CRTDE     | -   | Ceratophyllum demersum<br>L.          | rigid hornwort                    | E       | CERATOPHYLLACEAE | 31800  |
| CRUC      | ~   | Cruciferae                            | -                                 | -       | CRUCIFERAE       | 70000  |
| CRUC      | ~/  | cf. Cruciferae indet.                 | -                                 | -       | CRUCIFERAE       | 71000  |
| CUCMA     | -   | Cucurbita maxima                      | pumpkin                           | FGI     | CUCURBITACEAE    | 344080 |
| CUCME     | -   | Cucumis melo L.                       | melon, cantaloupe                 | FGI     | CUCURBITACEAE    | 344200 |
| CUCME     | //  | cf. Cucumis melo L.                   | melon, cantaloupe                 | FGI     | CUCURBITACEAE    | 344250 |
| CUCPE     | -   | Cucurbita pepo                        | marrow                            | FGI     | CUCURBITACEAE    | 344050 |
| CUCSA     | -   | Cucumis sativus                       | cucumber                          | FGI     | CUCURBITACEAE    | 344100 |
| CUCSA     | //  | cf. Cucumis sativus                   | cucumber                          | FGI     | CUCURBITACEAE    | 344150 |
| CUCSAME   | !   | Cucumis sativus/melo                  | cucumber/melon                    | FGI     | CUCURBITACEAE    | 344300 |
| CUCU      | !## | Cucurbita/ Cucumis spp.               | marrow, pumpkin/<br>melon, cucumb | FGI     | CUCURBITACEAE    | 344400 |
| CUCU      | ~   | Cucurbitaceae indet.                  | -                                 | CFG     | CUCURBITACEAE    | 344450 |
| CYPE      | ~   | Cyperaceae indet.                     | -                                 | -       | CYPERACEAE       | 640000 |
| CYPE      | ~/  | cf. Cyperaceae indet.                 | -                                 | ABCDEFI | CYPERACEAE       | 641000 |
| DAPMELA   | !   | Daphne<br>mezereum/laureola           | mezereum/spurge-<br>laurel        |         | THYMELAEACEAE    | 276000 |
| DAUCA     | -   | Daucus carota L.                      | wild carrot                       | ADFGI   | UMBELLIFERAE     | 338500 |
| DAUCA     | //  | cf. Daucus carota                     | wild carrot                       | ADFGI   | UMBELLIFERAE     | 338600 |
| DIA       | #   | Dianthus sp.                          | pink                              | BD      | CARYOPHYLLACEAE  | 103200 |

|         |     |                                       |                         |          |                  |        |
|---------|-----|---------------------------------------|-------------------------|----------|------------------|--------|
| DIAAR   | /   | Dianthus cf. armeria                  | deptford pink           | BD       | CARYOPHYLLACEAE  | 103000 |
| DIP     | #   | Dipsacus sp. (L.)                     | Teasel                  | ABC      | DIPSACACEAE      | 499300 |
| DIPFU   | //  | cf. Dipsacus fullonum                 | wild teasel             | BC       | DIPSACACEAE      | 499250 |
| DIPS    | ~/  | cf. Dipsacaceae sp.                   |                         |          | DIPSACACEAE      | 499400 |
| DIPSA   | -   | Dipsacus sativus (L.)<br>Honckeney    | fuller's teasel         | BHI      | DIPSACACEAE      | 499150 |
| ECHSET  | !#  | Echinochloa/Setaria sp.               | cockspur/bristle-grass  | AB       | GRAMINEAE        | 705000 |
| ELE     | #   | Eleocharis sp.                        | spike-rush              | E        | CYPERACEAE       | 623000 |
| ELE     | ##  | Eleocharis spp.                       | spike-rush              | DE       | CYPERACEAE       | 623500 |
| ELE     | #/  | cf. Eleocharis sp.                    | spike-rush              | E        | CYPERACEAE       | 624000 |
| ELEPA   | -   | Eleocharis palustris (L.)             | common spike-rush       | E        | CYPERACEAE       | 619500 |
| ELEPA   | !   | Eleocharis palustris type             | common spike-rush       | E        | CYPERACEAE       | 620000 |
| ELEPA   | #// | cf. Eleocharis palustris<br>type      | common spike-rush       | E        | CYPERACEAE       | 621000 |
| ELEPAUN | !   | Eleocharis<br>palustris/uniglumis     | spike-rush              | E        | CYPERACEAE       | 622000 |
| ELEPAUN | !// | cf. Eleocharis<br>palustris/uniglumis | spike-rush              | E        | CYPERACEAE       | 622500 |
| EPIHI   | -   | Epilobium hirsutum L.                 | great hairy willow-herb | E        | ONAGRACEAE       | 277500 |
| ERI     | /   | cf. Eriophorum                        | cotton-grass            | E        | CYPERACEAE       | 619000 |
| ERIVA   | /   | Eriophorum cf. vaginatum              | cotton-grass            | E        | CYPERACEAE       | 618000 |
| EUOEU   | -   | Euonymus europaeus L.                 | spindle                 |          | CELASTRACEAE     | 193900 |
| EUP     | #   | Euphorbia sp.                         |                         | ABCDEFGH | EUPHORBIACEAE    | 345500 |
| EUPHE   | -   | Euphorbia helioscopia L.              | sun spurge              | AGI      | EUPHORBIACEAE    | 345000 |
| EUPODO  | !#  | Euphrasia/Odontites sp.               | euphrasia/red bartsia   | ABCDE    | SCROPHULARIACEAE | 436700 |
| EUPODO  | !## | Euphrasia/Odontites spp.              | euphrasia/red bartsia   | ABCDE    | SCROPHULARIACEAE | 436800 |
| EUPPE   | -   | Euphorbia peplus L.                   | petty spurge            | AB       | EUPHORBIACEAE    | 345050 |
| EUPPE   | //  | cf. Euphorbia peplus                  | petty spurge            | AB       | EUPHORBIACEAE    | 345100 |
| FAGSY   | -   | Fagus sylvatica L.                    | beech                   | CFH      | FAGACEAE         | 406100 |
| FALCO   | -   | Fallopia convolvulus(L.)<br>A. Love   | black bindweed          | ABF      | POLYGONACEAE     | 361000 |
| FALCO   | /   | Fallopia cf. convolvulus              | black bindweed          | ABF      | POLYGONACEAE     | 362000 |
| FALCO   | //  | cf. Fallopia convolvulus              | black bindweed          | ABF      | POLYGONACEAE     | 363000 |
| FES     | #   | Festuca sp.                           | fescue                  | CDEF     | GRAMINEAE        | 645000 |
| FICCA   | -   | Ficus carica L.                       | fig                     | FGI      | MORACEAE         | 397000 |
| FICCA   | //  | cf. Ficus carica                      | fig                     | FI       | MORACEAE         | 398000 |
| FILUL   | -   | Filipendula ulmaria (L.)<br>Maxim.    | meadow-sweet            | CDE      | ROSACEAE         | 220000 |

|           |     |                                 |                                |         |              |        |
|-----------|-----|---------------------------------|--------------------------------|---------|--------------|--------|
| FILUL     | /   | Filipendula cf. ulmaria         | meadow-sweet                   | CDE     | ROSACEAE     | 220500 |
| FILUL     | //  | cf. Filipendula ulmaria         | meadow-sweet                   | CDE     | ROSACEAE     | 221000 |
| FILVU     | /   | Filipendula cf. vulgaris        | dropwort                       | D       | ROSACEAE     | 221500 |
| FOESILCAR | !   | Foeniculum/Silaum/Carum sp.     | fennel/pepper saxifrage/carawa | ABDFGI  | UMBELLIFERAE | 303500 |
| FOEVU     | _   | Foeniculum vulgare Miller       | fennel                         | BDFGI   | UMBELLIFERAE | 296000 |
| FOEVU     | //  | cf. Foeniculum vulgare          | fennel                         | BDFGI   | UMBELLIFERAE | 296100 |
| FRAAL     | _   | Frangula alnus Miller           | alder buckthorn/black dogwood  |         | RHAMNACEAE   | 194200 |
| FRAEX     | _   | Fraxinus excelsior L.           | ash                            |         | OLEACEAE     | 407600 |
| FRAPOT    | !#/ | cf. Potentilla/Fragaria sp.     | -                              | BCDEFGH | ROSACEAE     | 249500 |
| FRAPOT    | !#  | Potentilla/Fragaria sp.         | -                              | BCDEFGH | ROSACEAE     | 250000 |
| FRAPOT    | !## | Potentilla/Fragaria spp.        | -                              | BCDEFGH | ROSACEAE     | 251000 |
| FRAVE     | _   | Fragaria vesca L.               | wild strawberry                | CDF     | ROSACEAE     | 248000 |
| FRAVE     | //  | cf. Fragaria vesca              | wild strawberry                | CDF     | ROSACEAE     | 249000 |
| FUM       | #   | Fumaria sp.                     | fumitory                       | ABC     | FUMARIACEAE  | 44000  |
| FUM       | #/  | cf. Fumaria sp.                 | fumitory                       | A       | FUMARIACEAE  | 44500  |
| FUMOF     | _   | Fumaria officinalis L.          | fumitory                       | A       | FUMARIACEAE  | 43000  |
| GAL       | #   | Galium sp.                      | bedstraw                       | ABCDE   | RUBIACEAE    | 489500 |
| GAL       | ##  | Galium spp.                     | bedstraw                       | ABCDE   | RUBIACEAE    | 489700 |
| GAL       | ##/ | cf. Galium spp.                 | bedstraw                       | ABCDE   | RUBIACEAE    | 489800 |
| GALAP     | _   | Galium aparine L.               | cleavers                       | BCG     | RUBIACEAE    | 489000 |
| GALAP     | /   | Galium cf. aparine              | cleavers                       | BCG     | RUBIACIAE    | 489200 |
| GALPA     | _   | Galium palustre L.              | Marsh bedstraw                 | EFG     | RUBIACEAE    | 488000 |
| GALSE     | _   | Galeopsis segetum               | downy hemp-nettle              | AB      | LABIATAE     | 458700 |
| GALSE     | //  | Necker<br>cf. Galeopsis segetum | downy hemp-nettle              | AB      | LABIATAE     | 458750 |
| GALTE     | _   | Galeopsis tetrahit L.           | common hemp-nettle             | ACE     | LABIATAE     | 458800 |
| GALTE     | //  | cf. Galeopsis tetrahit          | common hemp-nettle             | ACE     | LABIATAE     | 458900 |
| GALVE     | _   | Galium verum L.                 | Lady's bedstraw                | CD      | RUBIACEAE    | 487000 |
| GALVEMO   | !   | Galium verum/mollugo            | bedstraw                       | BCD     | RUBIACEAE    | 487500 |
| GAP       | #   | Galeopsis sp.                   | hemp-nettle                    | ABCD    | LABIATAE     | 466000 |
| GAP       | #/  | cf. Galeopsis sp.               | hemp-nettle                    | ABCD    | LABIATAE     | 466100 |
| GERDI     | _   | Geranium dissectum L.           | cut-leaved cranesbill          | ABCD    | GERANIACEAE  | 193505 |
| GERDI     | //  | cf. Geranium dissectum          | cut-leaved cranesbill          | ABCD    | GERANIACEAE  | 193510 |

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|           |      |                                 |                        |          |               |        |
|-----------|------|---------------------------------|------------------------|----------|---------------|--------|
| GLAFLCO   | !    | Glaucium<br>flavum/corniculatum | horned poppy           | BD       | PAPAVERACEAE  | 42500  |
| GLEHE     | _    | Glechoma hederacea              | ground-ivy             | BCDE     | LABIATAE      | 467400 |
| GLEHE     | //   | cf. Glechoma hederacea          | ground-ivy             | BCDE     | LABIATAE      | 467500 |
| GLESAT    | !#   | Glechoma/Satureja sp.           | ground-ivy/savory      | BCDI     | LABIATAE      | 467700 |
| GLY       | #    | Glyceria sp.                    | flote/reed grass       | EH       | GRAMINEAE     | 642000 |
| GLY       | #!/  | cf. Glyceria sp.                | flote/reed grass       | EH       | GRAMINEAE     | 643000 |
| GRAM      | ~    | Gramineae indet.                | -                      | ABCDEFHI | GRAMINEAE     | 706000 |
| GRAM      | ~ST  | Gramineae indet.                | grass, stem            | ABCDEFHI | GRAMINEAE     | 706010 |
| GRAM      | ~FL  | Gramineae indet.                | grass, floret          | ABCDEFHI | GRAMINEAE     | 706020 |
| GRAM      | ~CN  | Gramineae indet.                | grass, culm node       | ABCDEFHI | GRAMINEAE     | 706030 |
| GRAM      | ~R   | Gramineae indet.                | grass, rachis          | ABCDEFHI | GRAMINEAE     | 706040 |
| GRAM      | ~/ST | cf. Gramineae indet.            | grass, stem            | ABCDEFHI | GRAMINEAE     | 706050 |
| GRAM      | ~/   | cf. Gramineae indet.            | -                      | ABCDEFHI | GRAMINEAE     | 706100 |
| HEDHE     | _    | Hedera helix L.                 | Ivy                    |          | ARALIACEAE    | 280100 |
| HEL       | #    | Helleborus sp.                  | hellebore              | CGHI     | RANUNCULACEAE | 6200   |
| HIE       | #    | Hieracium sp.                   | hawkweed               | BCD      | COMPOSITAE    | 581000 |
| HIPRH     | _    | Hippophae rhamnoides L.         | sea-buckthorn          |          | ELAEAGNACEAE  | 277000 |
| HOR       | #    | Hordeum sp.                     | barley                 | BDFI     | GRAMINEAE     | 667000 |
| HORMU     | /    | Hordeum cf. murinum             | barley                 | BDFI     | GRAMINEAE     | 666000 |
| HORSA     | _    | Hordeum sativum                 | barley                 | FI       | GRAMINEAE     | 700    |
| HORSA     | _R   | Hordeum sativum                 | barley rachis          | FI       | GRAMINEAE     | 710    |
| HORSA     | _L   | Hordeum sativum                 | barley lemma           | FI       | GRAMINEAE     | 714    |
| HORSA     | _A   | Hordeum sativum                 | barley awn             | FI       | GRAMINEAE     | 715    |
| HORSA     | _ST  | Hordeum sativum                 | barley straw           | FI       | GRAMINEAE     | 716    |
| HORSA     | //   | cf. Hordeum sativum             | barley                 | FI       | GRAMINEAE     | 730    |
| HORSA     | //R  | cf. Hordeum sativum             | barley rachis          | FI       | GRAMINEAE     | 735    |
| HORSA     | //A  | cf. Hordeum sativum             | barley awn             | FI       | GRAMINEAE     | 740    |
| HORSEC    | !#   | Secale/Hordeum sp.              | rye/barley             | FI       | GRAMINEAE     | 670    |
| HORSEC    | !#R  | Secale/Hordeum sp.              | rye/barley rachis      | FI       | GRAMINEAE     | 680    |
| HORSECTRI | !#   | Hordeum/Secale/Triticum<br>sp.  | barley/rye/wheat       | FI       | GRAMINEAE     | 770    |
| HORTRI    | !#   | Hordeum/Triticum sp.            | barley or wheat        | FI       | GRAMINEAE     | 750    |
| HORTRI    | !##  | Hordeum/Triticum sp.            | barley or wheat        | FI       | GRAMINEAE     | 752    |
| HORTRI    | !#CO | Hordeum/Triticum sp.            | barl./wheat coleoptile | FI       | GRAMINEAE     | 755    |
| HORTRI    | !#CN | Hordeum/Triticum sp.            | barl./wheat culm node  | FI       | GRAMINEAE     | 760    |
| HORTRI    | !##A | Hordeum/Triticum spp.           | barley/wheat awn       | FI       | GRAMINEAE     | 765    |

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|--------|------|----------------------------|----------------------|---------|---------------|--------|
| HUMLU  | _    | Humulus lupulus L.         | hop                  | CGHI    | CANNABIACEAE  | 395400 |
| HUMLU  | //   | cf. Humulus lupulus L.     | hop                  | CGHI    | CANNABIACEAE  | 395450 |
| HYONI  | _    | Hyoscyamus niger L.        | henbane              | BDG     | SOLANACEAE    | 413000 |
| HYONI  | //   | cf. Hyoscyamus niger L.    | henbane              | BDG     | SOLANACEAE    | 413500 |
| HYP    | #    | Hypericum sp.              | St. John's wort      | CDE     | HYPERICACEAE  | 80000  |
| HYP    | #!/  | cf. Hypochoeris sp.        | cat's ear            | BD      | COMPOSITAE    | 562000 |
| HYPRA  | _    | Hypochoeris radicata L.    | cat's ear            | CD      | COMPOSITAE    | 559000 |
| HYPRA  | /    | Hypochoeris cf. radicata   | cat's ear            | CD      | COMPOSITAE    | 560000 |
| ILEAQ  | _    | Ilex aquifolium L.         | holly                | C       | AQUIFOLIACEAE | 193800 |
| INDET  | @    | indeterminate              | -                    | -       | -             | 707000 |
| INDET  | @B   | indeterminate, berry       | -                    | -       | -             | 707100 |
| INDET  | @L   | indeterminate, leaf        | -                    | -       | -             | 707200 |
| ISOSE  | _    | Isolepis setacea (L.)R.Br. | bristle club-rush    | E       | CYPERACEAE    | 633700 |
| JUGRE  | _    | Juglans regia              | walnut               | FHI     | JUGLANDACEAE  | 401500 |
| JUN    | #!/  | cf. Juncus sp.             | rush                 | ADEH    | JUNCACEAE     | 607200 |
| JUN    | #    | Juncus sp.                 | rush                 | ADEH    | JUNCACEAE     | 607400 |
| JUN    | ##   | Juncus spp.                | rush                 | ADEH    | JUNCACEAE     | 607500 |
| JUN    | ###/ | cf. Juncus spp.            | rush                 | ADEH    | JUNCACEAE     | 607600 |
| JUNAR  | !    | Juncus articulatus gp.     | Rush                 | Dci     | JUNCACEAE     | 606100 |
| JUNBU  | !    | Juncus bufonius gp.        | Toad Rush            | ABE     | JUNCACEAE     | 606000 |
| JUNC   | ~    | Juncaceae indet.           | -                    | -       | JUNCACEAE     | 611000 |
| JUNEF  | !    | Juncus effusus gp.         | Rush                 | DE      | JUNCACEAE     | 606200 |
| JUP    | #    | Juniperis sp.              | juniper              |         | PINACEAE      | 4100   |
| LABAN  | _    | Laburnum anagyroides       | laburnum             |         | LEGUMINOSAE   | 196100 |
|        |      | Medicus                    |                      |         |               |        |
| LABI   | ~    | Labiatae indet.            | -                    | -       | LABIATAE      | 472000 |
| LABI   | ~/   | cf. Labiatae indet.        |                      | ABCFEFI | LABIATAE      | 472100 |
| LAM    | #    | Lamium sp.                 | dead-nettle          | ABC     | LABIATAE      | 458000 |
| LAM    | #!/  | cf. Lamium sp.             | dead-nettle          | ABC     | LABIATAE      | 458100 |
| LAMPU  | _    | Lamium purpureum           | red dead nettle      | AB      | LABIATAE      | 458400 |
| LAMPU  | //   | cf. Lamium purpureum       | red dead nettle      | AB      | LABIATAE      | 458500 |
| LAPCO  | _    | Lapsana communis L.        | nipplewort           | BCF     | COMPOSITAE    | 557000 |
| LAPCO  | //   | cf. Lapsana communis       | nipplewort           | BCF     | COMPOSITAE    | 558000 |
| LARDE  | _    | Larix decidua Miller       | european larch       |         | PINACEAE      | 3800   |
| LATVIC | !#   | Vicia/Lathyrus sp.         | vetch/tare/vetchling | CD      | LEGUMINOSAE   | 214000 |
| LATVIC | !##  | Vicia/Lathyrus spp.        | vetch/tare/vetchling | CD      | LEGUMINOSAE   | 214100 |



|           |     |                                  |                              |         |                  |        |
|-----------|-----|----------------------------------|------------------------------|---------|------------------|--------|
| LATVIC    | !#  | cf. Vicia/Lathyrus sp.           | vetch/tare/vetchling         | CD      | LEGUMINOSAE      | 215000 |
| LATVIC    | !## | cf. Vicia/Lathyrus spp.          | vetch/tare/vetchling         | CD      | LEGUMINOSAE      | 216000 |
| LATVICPIS | !#  | Vicia/Lathyrus/Pisum sp.         | vetch/tare/vetchling/pe      | ABCDEFI | LEGUMINOSAE      | 216800 |
| LATVICPIS | !## | Vicia/Lathyrus/Pisum spp.        | vetch/tare/vetchling/pe<br>a | ABCDEFI | LEGUMINOSAE      | 216900 |
| LEGU      | ~   | Leguminosae indet.               | -                            | -       | LEGUMINOSAE      | 218000 |
| LEGU      | ~/  | cf. Leguminosae                  | -                            | -       | LEGUMINOSAE      | 219000 |
| LEM       | #   | Lemna sp.                        | duckweed                     | E       | LEMNACEAE        | 612000 |
| LEM       | ##  | Lemna spp.                       | duckweed                     | E       | LEMNACEAE        | 613000 |
| LENCU     | _   | Lens culinaris                   | lentil                       | FI      | LEGUMINOSAE      | 205000 |
| LENCU     | //  | cf. Lens culinaris               | lentil                       | FI      | LEGUMINOSAE      | 205100 |
| LEOAU     | _   | Leontodon autumnalis L.          | autumnal hawkbit             | BD      | COMPOSITAE       | 563000 |
| LEOAU     | /   | Leontodon cf. autumnalis         | autumnal hawkbit             | BD      | COMPOSITAE       | 564000 |
| LEOAU     | //  | cf. Leontodon autumnalis         | autumnal hawkbit             | BD      | COMPOSITAE       | 565000 |
| LEOAUHI   | !   | Leontodon<br>autumnalis/hispidus | hawkbit                      | BD      | COMPOSITAE       | 566500 |
| LEOAUHITA | !   | Leontodon sp.                    | hawkbit                      | BDF     | COMPOSITAE       | 567000 |
| LEOAUHITA | !/  | cf. Leontodon sp.                | hawkbit                      | BDF     | COMPOSITAE       | 568000 |
| LEOHI     | /   | Leontodon cf. hispidus           | rough hawkbit                | D       | COMPOSITAE       | 566000 |
| LEOTA     | _   | Leontodon taraxacoides           | hairy hawkbit                | D       | COMPOSITAE       | 566600 |
| LEOTA     | /   | Leontodon cf.<br>taraxacoides    | hairy hawkbit                | D       | COMPOSITAE       | 566700 |
| LEP       | #   | Lepidium sp.                     | Cress/Pepperwort             | ABCD    | CRUCIFERAE       | 55500  |
| LEP       | #!/ | cf. Lepidium sp.                 | -                            | ABDE    | CRUCIFERAE       | 56000  |
| LIGVU     | _   | Ligustrum vulgare L.             | common privet                | CHI     | OLEACEAE         | 407700 |
| LILI      | ~   | Liliaceae indet.                 | _                            | -       | LILIACEAE        | 605000 |
| LIMAQ     | _   | Limosella aquatica L.            | mudwort                      | E       | SCROPHULARIACEAE | 423000 |
| LIMAQ     | //  | cf. Limosella aquatica           | mudwort                      | E       | SCROPHULARIACEAE | 424000 |
| LIN       | #   | Linum sp.                        | flax                         | ADHI    | LINACEAE         | 193000 |
| LIN       | #!/ | cf. Linum sp.                    | flax                         | ADHI    | LINACEAE         | 193500 |
| LINBI     | _   | Linum bienne                     | pale flax                    | D       | LINACEAE         | 188500 |
| LINCA     | _   | Linum catharticum L.             | purging flax                 | D       | LINACEAE         | 191000 |
| LINUS     | _   | Linum usitatissimum L.           | cultivated flax              | HI      | LINACEAE         | 189000 |
| LINUS     | _C  | Linum usitatissimum L.           | cultivated flax, capsule     | HI      | LINACEAE         | 189200 |
| LINUS     | /   | Linum cf. usitatissimum          | cultivated flax              | HI      | LINACEAE         | 189500 |
| LINUS     | //  | cf. Linum usitatissimum          | cultivated flax              | HI      | LINACEAE         | 190000 |

|          |       |  |                        |      |                 |        |
|----------|-------|--|------------------------|------|-----------------|--------|
| LINUS    | //ST  | cf. <i>Linum usitatissimum</i>             | cultivated flax, stems | HI   | LINACEAE        | 190200 |
| LINUSPE  | !     | <i>Linum usitatissimum</i> /perenne        | Flax/Perennial Flax    | ADHI | LINACEAE        | 190500 |
| LIT      | #!/   | cf. <i>Lithospermum</i> sp.                | gromwell               | AC   | BORAGINACEAE    | 411100 |
| LITAR    | _     | <i>Lithospermum arvense</i> L.             | corn gromwell          | A    | BORAGINACEAE    | 411000 |
| LOL      | #     | <i>Lolium</i> sp.                          | rye-grass              | BI   | GRAMINEAE       | 647400 |
| LOL      | #!/   | cf. <i>Lolium</i> sp.                      | rye-grass              | BI   | GRAMINEAE       | 647500 |
| LOL      | ##/   | cf. <i>Lolium</i> spp.                     | rye-grass              | BI   | GRAMINEAE       | 647600 |
| LOLFES   | !#    | <i>Lolium/Festuca</i>                      | rye-grass/fescue       | BCD  | GRAMINEAE       | 648000 |
| LOLFES   | !##   | <i>Lolium/Festuca</i> spp.                 | rye-grass/festuca      |      | GRAMINEAE       | 648500 |
| LOLFES   | !#/#  | cf. <i>Lolium/Festuca</i>                  | rye-grass/fescue       | BCD  | GRAMINEAE       | 649000 |
| LOLFES   | !##/  | cf. <i>Lolium/Festuca</i> spp.             | rye-grass/fescue       | BCD  | GRAMINEAE       | 649500 |
| LOLPE    | /     | <i>Lolium</i> cf. perenne                  | rye-grass              | BI   | GRAMINEAE       | 646000 |
| LOLPE    | //    | cf. <i>Lolium</i> perenne                  | rye-grass              | BI   | GRAMINEAE       | 647000 |
| LOLRE    | //    | cf. <i>Lolium remotum</i>                  | rye-grass              | A    | GRAMINAE        | 647100 |
| LOLTE    | /     | <i>Lolium</i> cf. temulentum               | rye-grass              | AB   | GRAMINAE        | 647050 |
| LUZ      | #     | <i>Luzula</i> sp. DC                       | woodrush               | CDE  | JUNCACEAE       | 609000 |
| LUZ      | #!/   | cf. <i>Luzula</i> sp.                      | woodrush               | CDE  | JUNCACEAE       | 610000 |
| LUZCA    | /     | <i>Luzula</i> cf. campestris               | field woodrush         | D    | JUNCACEAE       | 608500 |
| LUZPI    | //    | cf. <i>Luzula pilosa</i>                   |                        | C    | JUNCACEAE       | 608000 |
| LYCEU    | _     | <i>Lycopus europaeus</i> L.                | gipsy-wort             | EH   | LABIATAE        | 441000 |
| LYCEU    | !     | <i>Lycopus europaeus</i> type              | gipsy-wort             | EH   | LABIATAE        | 442000 |
| LYCEU    | //    | cf. <i>Lycopus europeaus</i>               | gipsy-wort             | EH   | LABIATAE        | 443000 |
| LYCFL    | _     | <i>Lychnis flos-cuculi</i> L.              | ragged robin           | CDE  | CARYOPHYLLACEAE | 98000  |
| LYCFL    | //    | cf. <i>Lychnis flos-cuculi</i>             | ragged robin           | CDE  | CARYOPHYLLACEAE | 99000  |
| LYSGLA   | !#    | <i>Lysimachia/Glaux</i> sp.                | -                      | CDE  | PRIMULACEAE     | 407500 |
| LYSNE    | //    | cf. <i>Lysimachia nemorum</i>              | yellow pimpernel       | C    | PRIMULACEAE     | 406400 |
| LYSNE    | //FL  | L.<br>cf. <i>Lysimachia nemorum</i>        | yellow pimpernel       | C    | PRIMULACEAE     | 406450 |
| LYTSA    | _     | <i>Lythrum salicaria</i> L.                | purple loosestrife     | E    | LYTHRACACEAE    | 275000 |
| MAL      | #     | <i>Malva</i> sp.                           | mallow                 | BCDF | MALVACEAE       | 186000 |
| MAL      | #HD   | <i>Malva</i> sp.                           | mallow seed head       | BCDF | MALVACEAE       | 186010 |
| MAL      | #!/   | cf. <i>Malva</i> sp.                       | mallow                 | BCDF | MALVACEAE       | 187000 |
| MAL      | ##/HD | cf. <i>Malva</i> sp.                       | mallow seed head       | BCDF | MALVACEAE       | 187010 |
| MALCYDOB | !#_   | <i>Malus</i> sp./ <i>Cydonia oblongata</i> | apple/quince           | CFI  | ROSACEAE        | 273700 |
| MALDOSY  | !     | <i>Malus</i>                               | apple/crab apple       | CFHI | ROSACEAE        | 271500 |

|         |       |                             |                       |         |                  |        |
|---------|-------|-----------------------------|-----------------------|---------|------------------|--------|
|         |       | domestica/sylvestris        |                       |         |                  |        |
| MALDOSY | !E    | Malus                       | apple/crab apple,     | CFHI    | ROSACEAE         | 271550 |
|         |       | domestica/sylvestris        | endocarp              |         |                  |        |
| MALDOSY | //    | cf. Malus sp.               | apple                 | CFHI    | ROSACEAE         | 271600 |
| MALPYR  | !#    | Pyrus/Malus sp.             | pear/apple            | CFI     | ROSACEAE         | 272000 |
| MALPYR  | !##   | Pyrus/Malus spp.            | pear/apple            | CFI     | ROSACEAE         | 272100 |
| MALPYR  | !#/#  | cf. Pyrus/Malus sp.         | pear/apple            | CFI     | ROSACEAE         | 273000 |
| MALPYR  | !##/# | cf. Pyrus/Malus spp.        | pear/apple            | CFI     | ROSACEAE         | 273500 |
| MALSY   | -     | Malva sylvestris L.         | mallow                | BF      | MALVACEAE        | 184000 |
| MALSY   | /     | Malva cf. sylvestris        | mallow                | BF      | MALVACEAE        | 185000 |
| MALV    | ~     | Malvaceae indet.            | -                     | -       | MALVACEAE        | 188000 |
| MARVU   | -     | Marrubium vulgare L.        | white horehound       | BG      | LABIATAE         | 468000 |
| MARVU   | //    | cf. Marrubium vulgare       | white horehound       | BG      | LABIATAE         | 469000 |
| MAUSY   | //    | cf. Malus sylvestris Miller | crab apple            | CFH     | ROSACEAE         | 271000 |
| MED     | #     | Medicago sp.                | medick                | BD      | LEGUMINOSAE      | 198000 |
| MEDAR   | -     | Medicago arabica            | spotted medick        | BD      | LEGUMINOSAE      | 197000 |
|         |       | (L.)Huds.                   |                       |         |                  |        |
| MEDLU   | //    | cf. Medicago lupulina       | black medick          | CD      | LEGUMINOSAE      | 196500 |
| MEDTRF  | !#    | Medicago/Trifolium sp.      | medick/clover         | ABDI    | LEGUMINOSAE      | 201550 |
| MEDTRF  | !#/#  | cf. Medicago/Trifolium      | medick/clover         | ABDI    | LEGUMINOSAE      | 201560 |
|         |       | spp.                        |                       |         |                  |        |
| MEDTRF  | !##   | Medicago/Trifolium spp.     | medick/clover         | ABDI    | LEGUMINOSAE      | 201600 |
| MEDTRF  | !##/# | cf. Medicago/Trifolium      | medick/clover         | ABDI    | LEGUMINOSAE      | 201650 |
|         |       | spp.                        |                       |         |                  |        |
| MEL     | ##    | Melandrium spp.             | campion               | ABC     | CARYOPHYLLACEAE  | 97500  |
| MELPR   | //    | cf. Melampyrum pratense     | common cow-wheat      | CD      | SCROPHULARIACEAE | 436250 |
| MEN     | #     | Mentha sp.                  | mint                  | ABCEFGI | LABIATAE         | 438000 |
| MEN     | #!/   | cf. Mentha sp.              | mint                  | ABCEFGI | LABIATAE         | 438500 |
| MEN     | ##    | Mentha spp.                 | mint                  | ABCEFGI | LABIATAE         | 440000 |
| MENAQ   | /     | Mentha cf. aquatica         | water mint            | E       | LABIATAE         | 437800 |
| MENAR   | /     | Mentha cf. arvensis         | corn mint             | ACE     | LABIATAE         | 437500 |
| MENORI  | !#    | Mentha/Origanum sp.         | mint/marjoram         | ABCDE   | LABIATAE         | 444500 |
| MENTR   | -     | Menyanthes trifoliata L.    | bogbean               | EFG     | MENYANTHACEAE    | 408000 |
| MENTR   | //    | cf. Menyanthes trifoliata   | bogbean               | EFG     | MENYANTHACEAE    | 408500 |
| MERPE   | //    | cf. Mercurialis perennis L. | Dog's Mercury         | C       | EUPHORBIACEAE    | 344500 |
| MESGE   | -     | Mespilus germanica L.       | medlar                |         | ROSACEAE         | 270800 |
| MILEFSC | !     | Milium sp.                  | millet                | CDE     | GRAMINEAE        | 704000 |
| MOETR   | -     | Moehringia trinervia        | three-nerved sandwort | C       | CARYOPHYLLACEAE  | 133000 |

|         |     |  |                              |        |                  |        |
|---------|-----|--|------------------------------|--------|------------------|--------|
|         |     | (L.)Clairv.                            |                              |        |                  |        |
| MONFO   | -   | Montia fontana ssp.<br>chondrosperma L | blinks                       | AE     | PORTULACEAE      | 147000 |
| MONFO   | //  | cf. Montia fontana ssp.<br>chondrosper | blinks                       | AE     | PORTULACEAE      | 148000 |
| MONFOFO | //  | cf. Montia fontana ssp.<br>fontana     |                              | E      | PORTULACEAE      | 146510 |
| MONPE   | /   | Montia cf. perfoliata                  | -                            | BI     | PORTULACACEAE    | 149000 |
| MOR     | #   | Morus sp.                              | mulberry                     | FI     | MORACEAE         | 401000 |
| MORNI   | -   | Morus nigra L.                         | mulberry                     | FHI    | MORACEAE         | 399000 |
| MORNI   | //  | cf. Morus nigra                        | mulberry                     | FHI    | MORACEAE         | 400000 |
| MYOQAQ  | -   | Myosoton aquaticum<br>(L.)Moench       | water chickweed              | E      | CARYOPHYLLACEAE  | 110000 |
| MYOQAQ  | //  | cf. Myosoton aquaticum                 | water chickweed              | E      | CARYOPHYLLACEAE  | 111000 |
| MYOSTE  | !#  | Myosoton/Stellaria sp.                 | chickweed/stitchwort         | ABCDEG | CARYOPHYLLACEAE  | 112000 |
| MYS     | ##  | cf. Myosotis                           | forget-me-not                | BCDE   | BORAGINACEAE     | 409000 |
| MYS     | #   | Myosotis sp.                           | forget-me-not                | BCDE   | BORAGINACEAE     | 410000 |
| MYSSC   | /   | Myosotis cf. scorpioides               | water forget-me-not          | E      | BORAGINACEAE     | 408600 |
| NAJFLMA | !// | cf. Naja sp.                           | naiad                        | E      | NAJADACEAE       | 603000 |
| NEPCA   | -   | Nepeta cataria L.                      | cat-mint                     | C      | LABIATAE         | 467000 |
| NESPA   | //  | cf. Neslia paniculata (L.)<br>Desv.    | yellow ball mustard          | AB     | CRUCIFERAE       | 57900  |
| NUPLU   | -   | Nuphar lutea (L.)Sm.                   | yellow water-lily            | E      | NYMPHAEACEAE     | 31500  |
| ODOVE   | -   | Odontites verna                        | red bartsia                  | AB     | SCROPHULARIACEAE | 436500 |
| OEN     | #   | Oenanthe sp.                           | dropwort                     | DE     | UMBELLIFERAE     | 294910 |
| OEN     | ##  | Oenanthe spp.                          | dropwort                     | DE     | UMBELLIFERAE     | 294920 |
| OEN     | ##  | cf. Oenanthe sp.                       | dropwort                     | DE     | UMBELLIFERAE     | 294930 |
| OENAQ   | -   | Oenanthe aquatica<br>(L.)Poiret        | fine-leaved<br>waterdropwort | E      | UMBELLIFERAE     | 294500 |
| OENAQ   | /   | Oenanthe cf. aquatica                  | fine-leaved<br>waterdropwort | E      | UMBELLIFERAE     | 294600 |
| OENAQ   | //  | cf. Oenanthe aquatica                  | fine-leaved<br>waterdropwort | E      | UMBELLIFERAE     | 294700 |
| OENAQCR | !   | Oenanthe<br>aquatica/crocata           | water dropwort               | E      | UMBELLIFERAE     | 294800 |
| OENAQCR | !// | cf. Oenanthe<br>aquatica/crocata       | water dropwort               | E      | UMBELLIFERAE     | 294900 |
| OENCR   | -   | Oenanthe crocata                       | hemlock water<br>dropwort    | E      | UMBELLIFERAE     | 294300 |

|         |     |                                      |                                 |       |              |        |
|---------|-----|--------------------------------------|---------------------------------|-------|--------------|--------|
| OENFI   | _   | Oenanthe fistulosa L.                | water dropwort                  | E     | UMBELLIFERAE | 294000 |
| OENFI   | /   | Oenanthe cf. fistulosa               | water dropwort                  | E     | UMBELLIFERAE | 294100 |
| OENPI   | _   | Oenanthe pimpinelloides              | dropwort                        | DE    | UMBELLIFERAE | 294200 |
| OENPI   | /   | L.<br>Oenanthe cf.<br>pimpinelloides | dropwort                        | DE    | UMBELLIFERAE | 294210 |
| OLEEU   | //  | cf. Olea europaea                    | olive                           | FGHI  | OLEACEAE     | 407900 |
| OLEEU   | _   | Olea europaea                        | olive                           | FGHI  | OLEACEAE     | 407950 |
| ONOAC   | _   | Onopordum acanthium L.               | scotch thistle                  | ABC   | COMPOSITAE   | 546500 |
| ONNOVI  | _L  | Scop.<br>Onobrychis viciifolia       | sainfoin, legume                | DI    | LEGUMINOSAE  | 217000 |
| ORIVU   | _   | Origanum vulgare L.                  | Marjoram                        | CD    | LABIATAE     | 444000 |
| ORNPE   | _   | Ornithopus perpusillus L.            | birdsfoot                       | D     | LEGUMINOSAE  | 202000 |
| ORNPE   | _P  | Ornithopus perpusillus L.            | birdsfoot pod                   | D     | LEGUMINOSAE  | 202500 |
| ORNPE   | //  | cf. Ornithopus perpusillus           | fragment<br>birdsfoot           | D     | LEGUMINOSAE  | 203000 |
| OXAAC   | _   | Oxalis acetosella L.                 | Wood-sorrel                     | C     | OXALIDACEAE  | 193520 |
| PANMI   | _   | Panicum miliaceum L.                 | common or broom-<br>corn millet | FI    | GRAMINEAE    | 925    |
| PAP     | #   | Papaver sp.                          | poppy                           | ABGHI | PAPAVERACEAE | 40000  |
| PAP     | ##  | Papaver spp.                         | poppy                           | ABGHI | PAPAVERACEAE | 41000  |
| PAP     | #/  | cf. Papaver sp.                      | poppy                           | ABGHI | PAPAVERACEAE | 42000  |
| PAPAR   | _   | Papaver argemone L.                  | long prickly-headed             | AB    | PAPAVERACEAE | 35000  |
| PAPAR   | /   | Papaver cf. argemone                 | poppy<br>long prickly-headed    | AB    | PAPAVERACEAE | 36000  |
| PAPDURH | !   | Papaver rhoeas/dubium                | poppy<br>field/long-headed      | ABGH  | PAPAVERACEAE | 34000  |
| PAPRH   | _   | Papaver rhoeas L.                    | poppy<br>field poppy            | ABGH  | PAPAVERACEAE | 32000  |
| PAPRH   | /   | Papaver cf. rhoeas                   | field poppy                     | ABGH  | PAPAVERACEAE | 33000  |
| PAPSO   | _   | Papaver somniferum L.                | opium poppy                     | BGHI  | PAPAVERACEAE | 37000  |
| PAPSO   | /   | Papaver cf. somniferum               | opium poppy                     | BGHI  | PAPAVERACEAE | 38000  |
| PAPSO   | //  | cf. Papaver somniferum               | opium poppy                     | BGHI  | PAPAVERACEAE | 39000  |
| PASHER  | !## | spp.<br>Pastinaca/Heracleum          | wild parsnip/hogweed            | BCDG  | UMBELLIFERAE | 303200 |
| PASSA   | _   | Pastinaca sativa L.                  | wild parsnip                    | CD    | UMBELLIFERAE | 303100 |
| PASSA   | //  | cf. Pastinaca sativa L.              | wild parsnip                    | CD    | UMBELLIFERAE | 303150 |
| PETCR   | //  | cf. Petroselinum crispum             | garden parsley                  | BFGI  | UMBELLIFERAE | 301400 |
| PHA     | !#  | Phalaris type                        |                                 | BE    | GRAMINEAE    | 703800 |

|           |     |   |                                   |        |                |        |
|-----------|-----|---|-----------------------------------|--------|----------------|--------|
| PHL       | #   | Phleum sp.                                | cat's tail                        | DE     | GRAMINEAE      | 702000 |
| PHL       | #/  | cf. Phleum sp.                            | cat's tail                        | DE     | GRAMINEAE      | 703000 |
| PHL       | ##/ | cf. Phleum spp.                           | cat's tail                        | DE     | GRAMINEAE      | 703500 |
| PHL       | !## | Phleum type                               | -                                 | -      | GRAMINEAE      | 703600 |
| PHLPOA    | !#  | Poa/Phleum sp.                            | poa/cat's tail                    | ABCDE  | GRAMINEAE      | 659000 |
| PHODA     | //  | cf. Phoenix dactylifera                   | date palm                         | FI     | PALMAE         | 641500 |
| PHY       | #/  | cf. Phyteuma sp.                          | rampion                           | CD     | CAMPANULACEAE  | 484500 |
| PIC       | #   | Picris sp.                                | ox-tongue                         | BCD    | COMPOSITAE     | 572000 |
| PICAB     | -   | Picea abies (L.) Karsten                  | norway spruce                     |        | PINACEAE       | 3700   |
| PICEC     | -   | Picris echioides L.                       | bristly ox-tongue                 | BC     | COMPOSITAE     | 570000 |
| PICEC     | /   | Picris cf. echioides                      | bristly ox-tongue                 | BC     | COMPOSITAE     | 570500 |
| PICEC     | //  | cf. Picris echioides L.                   | bristly ox-tongue                 | BC     | COMPOSITAE     | 571000 |
| PICHI     | //  | cf. Picris hieracioides                   | hawkweed ox-tongue                | BD     | COMPOSITAE     | 571500 |
| PIMAEG    | !#  | Pimpinella/Aegopodium                     |                                   | ABCD   | UMBELLIFERAE   | 282150 |
| PIMCONPET | !#  | sp.<br>Pimpinella/Conium/Petroselinum sp. | burnet<br>saxifrage/hemlock/parsl | CDEFGI | UMBELLIFERAE   | 302000 |
| PIMDI     | -   | Pimenta dioica                            | allspice, berry                   | FI     | MYRTACEAE      | 344480 |
| PIN       | #   | Pinus sp.                                 | pine                              | CFHI   | PINACEAE       | 4000   |
| PINPI     | -   | Pinus pinea L.                            | stone pine                        | FHI    | PINACEAE       | 3960   |
| PINSYMU   | !   | Pinus sylvestris/mugo                     | scots pine/mountain pine          |        | PINACEAE       | 3975   |
| PIPNI     | -   | Piper nigrum                              | pepper                            | FGI    | PIPERACEAE     | 420500 |
| PIPNI     | //  | cf. Piper nigrum                          | pepper                            | FGI    | PIPERACEAE     | 420550 |
| PIS       | #   | Pisum sp.                                 | pea                               | FI     | LEGUMINOSAE    | 216650 |
| PISSA     | -   | Pisum sativum L.                          | pea                               | FI     | LEGUMINOSAE    | 216500 |
| PISSA     | //  | cf. Pisum sativum                         | pea                               | FI     | LEGUMINOSAE    | 216600 |
| PLA       | #   | Plantago sp.                              | plantain/ribwort                  | ABCD   | PLANTAGINACEAE | 483000 |
| PLA       | #/  | cf. Plantago sp.                          | plantain/ribwort                  | ABCD   | PLANTAGINACEAE | 484000 |
| PLALA     | -   | Plantago lanceolata L.                    | ribwort                           | D      | PLANTAGINACEAE | 478000 |
| PLALA     | /   | Plantago cf. lanceolata                   | ribwort                           | D      | PLANTAGINACEAE | 479000 |
| PLALA     | //  | cf. Plantago lanceolata                   | ribwort                           | D      | PLANTAGINACEAE | 480000 |
| PLALA     | !   | Plantago lanceolata type                  | ribwort                           | D      | PLANTAGINACEAE | 481000 |
| PLALA     | !// | cf. Plantago lanceolata                   | ribwort                           | D      | PLANTAGINACEAE | 482000 |
| PLAMA     | -   | type<br>Plantago major L.                 | great plantain                    | ABC    | PLANTAGINACEAE | 474000 |

|         |     |  |                        |          |                |        |
|---------|-----|--|------------------------|----------|----------------|--------|
| PLAMA   | //  | cf. Plantago major                     | great plantain         | ABC      | PLANTAGINACEAE | 475000 |
| PLAME   | _   | Plantago media L.                      | hoary plantain         | D        | PLANTAGINACEAE | 476000 |
| PLAME   | //  | cf. Plantago media                     | hoary plantain         | D        | PLANTAGINACEAE | 477000 |
| PLT     | #   | Platanus sp.                           | plane                  |          | PLATANACEAE    | 274200 |
| POA     | ##  | Poa spp                                | poa                    | ABDE     | GRAMINEAE      | 655000 |
| POA     | !#  | Poa spp type                           | poa                    | ABDE     | GRAMINEAE      | 656000 |
| POA     | #/  | cf. Poa sp.                            | poa                    | ABCDE    | GRAMINEAE      | 657000 |
| POA     | ##/ | cf. Poa spp.                           | poa                    | ABCDE    | GRAMINEAE      | 658000 |
| POAAN   | _   | Poa annua L.                           | annual poa             | ABDE     | GRAMINEAE      | 653000 |
| POAAN   | //  | cf. Poa annua                          | annual poa             | ABDE     | GRAMINEAE      | 654000 |
| POL     | #   | Polygonum sp.                          | -                      | ABCDEFGF | POLYGONACEAE   | 364000 |
| POL     | ##  | Polygonum spp.                         | -                      | ABCDEFGF | POLYGONACEAE   | 365000 |
| POL     | #/  | cf. Polygonum sp.                      | -                      | ABCDEFGF | POLYGONACEAE   | 366000 |
| POLAM   | //  | cf. Polygonum amphibium                | Amphibious bistort     | E        | POLYGONACEAE   | 349500 |
| POLAR   | _   | L.<br>Polygonum arenastrum             | small-leaved knotgrass | BC       | POLYGONACEAE   | 348500 |
| POLAV   | _   | Bor.<br>Polygonum aviculare L.         | knotgrass              | ABG      | POLYGONACEAE   | 346000 |
| POLAV   | /   | Polygonum cf. aviculare                | knotgrass              | ABG      | POLYGONACEAE   | 347000 |
| POLAV   | //  | cf. Polygonum aviculare                | knotgrass              | ABG      | POLYGONACEAE   | 347500 |
| POLAV   | !   | Polygonum aviculare agg.               | knotgrass              | ABG      | POLYGONACEAE   | 348000 |
| POLBI   | _   | Polygonum bistorta L.                  | bistort                | DF       | POLYGONACEAE   | 349000 |
| POLHY   | _   | Polygonum hydropiper L.                | water pepper           | E        | POLYGONACEAE   | 359000 |
| POLHY   | /   | Polygonum cf. hydropiper               | water pepper           | E        | POLYGONACEAE   | 360000 |
| POLHYMI | !   | Polygonum<br>hydropiper/mite           | water-pepper           | E        | POLYGONACEAE   | 360700 |
| POLLA   | _   | L.<br>Polygonum lapathifolium          | pale persicaria        | ABE      | POLYGONACEAE   | 352000 |
| POLLA   | !   | L.<br>Polygonum lapathifolium          | pale persicaria        | ABE      | POLYGONACEAE   | 353000 |
| POLLA   | /   | type<br>Polygonum cf.<br>lapathifolium | pale persicaria        | ABE      | POLYGONACEAE   | 354000 |
| POLLA   | //  | cf. Polygonum<br>lapathifolium         | pale persicaria        | ABE      | POLYGONACEAE   | 355000 |
| POLMI   | /   | Polygonum cf. mite                     | tasteless water-pepper | E        | POLYGONACEAE   | 360500 |
| POLPE   | _   | Polygonum persicaria L.                | persicaria             | ABEH     | POLYGONACEAE   | 350000 |
| POLPE   | /   | Polygonum cf. persicaria               | persicaria             | ABEH     | POLYGONACEAE   | 351000 |
| POLPELA | !   | Polygonum<br>persicaria/lapathifolium  | persicaria             | ABEH     | POLYGONACEAE   | 356000 |

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| POLPELA | /  | Polygonum cf.<br>persicaria/lapathifol | persicaria                    | ABEH    | POLYGONACEAE     | 357000 |
| POLPELA | /  | cf. Polygonum<br>persicaria/lapathifol | persicaria                    | ABEH    | POLYGONACEAE     | 358000 |
| POLY    | ~  | Polygonaceae indet.                    | -                             | -       | POLYGONACEAE     | 385000 |
| POLY    | ~/ | cf. Polygonaceae indet.                | -                             | -       | CF. POLYGONACEAE | 386000 |
| POT     | #  | Potentilla sp.                         | cinquefoil/tormentil          | BCDEFGH | ROSACEAE         | 245000 |
| POT     | ## | Potentilla spp.                        | cinquefoil/tormentil          | BCDEFGH | ROSACEAE         | 246000 |
| POT     | #/ | cf. Potentilla sp.                     | cinquefoil/tormentil          | BCDEFGH | ROSACEAE         | 247000 |
| POTAN   | _  | Potentilla anserina                    | silverweed                    | BDE     | ROSACEAE         | 230500 |
| POTAR   | _  | Potentilla argentea L.                 | hoary cinquefoil              | D       | ROSACEAE         | 231000 |
| POTAR   | !  | Potentilla argentea type               | hoary cinquefoil              | D       | ROSACEAE         | 232000 |
| POTAR   | /  | Potentilla cf. argentea                | hoary cinquefoil              | D       | ROSACEAE         | 233000 |
| POTER   | _  | Potentilla erecta (L.)<br>Rausch       | tormentil                     | CDEGH   | ROSACEAE         | 234000 |
| POTER   | !  | Potentilla erecta type                 | tormentil                     | CDEGH   | ROSACEAE         | 235000 |
| POTER   | /  | Potentilla cf. erecta                  | tormentil                     | CDEGH   | ROSACEAE         | 236000 |
| POTER   | // | cf. Potentilla erecta                  | tormentil                     | CDEGH   | ROSACEAE         | 237000 |
| POTERAN | _  | Potentilla argentea/erecta             | hoary<br>cinquefoil/tormentil | CDEGH   | ROSACEAE         | 238000 |
| POTERAN | !  | Potentilla argentea/erecta<br>type     | hoary<br>cinquefoil/tormentil | CDEGH   | ROSACEAE         | 239000 |
| POTERAN | /  | Potentilla cf.<br>argentea/erecta typ  | hoary<br>cinquefoil/tormentil | CDEGH   | ROSACEAE         | 240000 |
| POTERAN | // | cf. Potentilla<br>argentea/erecta      | hoary<br>cinquefoil/tormentil | CDEGH   | ROSACEAE         | 241000 |
| POTPA   | _  | Potentilla palustris                   | marsh cinquefoil              | E       | ROSACEAE         | 228500 |
| POTPA   | /  | Potentilla cf. palustris               | marsh cinquefoil              | E       | ROSACEAE         | 229000 |
| POTPA   | // | cf. Potentilla palustris               | marsh cinquefoil              | E       | ROSACEAE         | 230000 |
| POTRC   | _  | Potentilla recta                       | sulphur cinquefoil            | AB      | ROSACEAE         | 233500 |
| POTRE   | _  | Potentilla reptans L.                  | creeping cinquefoil           | BCD     | ROSACEAE         | 242000 |
| POTRE   | !  | Potentilla reptans type                | creeping cinquefoil           | BCD     | ROSACEAE         | 243000 |
| POTRE   | /  | Potentilla cf. reptans                 | creeping cinquefoil           | BCD     | ROSACEAE         | 244000 |
| PRI     | #/ | cf. Primula sp.                        | -                             | CDE     | PRIMULACEAE      | 406350 |
| PRIM    | ~  | Primulaceae sp.                        | -                             | -       | PRIMULACEAE      | 407550 |
| PRU     | #  | Prunus sp.                             | -                             | CFGI    | ROSACEAE         | 267000 |
| PRU     | ## | Prunus spp.                            | -                             | CFGI    | ROSACEAE         | 268000 |
| PRU     | #/ | cf. Prunus sp.                         | -                             | CFGI    | ROSACEAE         | 269000 |



|           |    |  |                     |        |                  |        |
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| PRUAR     | —  | Prunus armeniaca L.                    | apricot             | CFGI   | ROSACEAE         | 266500 |
| PRUAV     | —  | Prunus avium (L.) L.                   | cherry              | CFGI   | ROSACEAE         | 262000 |
| PRUAV     | !  | Prunus avium type                      | cherry              | CFGI   | ROSACEAE         | 262500 |
| PRUAVCE   | !  | Prunus avium/cerasus                   | sloe/cherry         | CFGI   | ROSACEAE         | 265000 |
| PRUAVCESP | !  | Prunus<br>spinosa/avium/cerasus        | sloe/cherry         | CFGI   | ROSACEAE         | 266000 |
| PRUCE     | —  | Prunus cerasus L.                      | sour/morello cherry | CI     | ROSACEAE         | 263000 |
| PRUCE     | /  | Prunus cf. cerasus                     | sour cherry         | CI     | ROSACEAE         | 264000 |
| PRUDO     | —  | Prunus domestica L.                    | plum/bullace        | CFI    | ROSACEAE         | 260000 |
| PRUDO     | /  | Prunus cf. domestica                   | plum/bullace        | CFI    | ROSACEAE         | 261000 |
| PRUPE     | —  | Prunus persica<br>(L.)Batsch           | Peach               | FI     | ROSACEAE         | 261500 |
| PRUSP     | —  | Prunus spinosa L.                      | sloe/blackthorn     | CFG    | ROSACEAE         | 258000 |
| PRUSP     | /  | Prunus cf. spinosa                     | sloe/blackthorn     | CFG    | ROSACEAE         | 259000 |
| PRUVU     | —  | Prunella vulgaris L.                   | self-heal           | BCDG   | LABIATAE         | 450000 |
| PRUVU     | // | cf. Prunella vulgaris                  | self-heal           | BDCG   | LABIATAE         | 451000 |
| PSEME     | —  | Pseudotsuga<br>menziesii(Mirbel)Franco | douglas fir         |        | PINACEAE         | 3600   |
| PTEAQ     | —  | Pteridium aquilinum<br>(L.)Kuhn        | bracken             | CDGH   | POLYPODIACEAE    | 3000   |
| PTM       | #  | Potamogeton sp.L.                      | pondweed            | E      | POTAMOGETONACEAE | 600000 |
| PTM       | #/ | cf. Potamogeton sp.L.                  | pondweed            | E      | POTAMOGETONACEAE | 601000 |
| PUC       | #  | Puccinellia sp.                        | -                   | E      | GRAMINEAE        | 651000 |
| PUC       | #/ | cf. Puccinellia sp.                    | -                   | E      | GRAMINEAE        | 652000 |
| PULDY     | —  | Pulicaria dysenterica<br>(L.)Bernh.    | fleabane            | DE     | COMPOSITAE       | 511000 |
| PYR       | #  | Pyrus sp.                              | pear                | CFI    | ROSACEAE         | 270940 |
| PYR       | #/ | cf. Pyrus sp.                          | pear                | CFI    | ROSACEAE         | 270950 |
| PYRPY     | // | cf. Pyrus pyraeaster                   | pear                | CFI    | ROSACEAE         | 270930 |
| QUEROPE   | !  | Quercus robur/petraea                  | oak                 |        | FAGACEAE         | 406150 |
| RAN       | #  | Ranunculus sp.                         | -                   | ABCDEG | RANUNCULACEAE    | 30000  |
| RAN       | ## | Ranunculus spp.                        | -                   | ABCDEG | RANUNCULACEAE    | 30500  |
| RAN       | #/ | cf. Ranunculus sp.                     | -                   | ABCDEG | RANUNCULACEAE    | 31000  |
| RANAC     | /  | Ranunculus cf. acris                   | meadow buttercup    | CDE    | RANUNCULACEAE    | 6500   |

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| RANACBURE | !   | Ranunculus acris/repens/<br>bulbosus    | buttercups                       | ABCDEG | RANUNCULACEAE | 7000  |
| RANACBURE | !// | Ranunculus cf.<br>acris/repens/bulbosus | buttercups                       | ABCDEG | RANUNCULACEAE | 8000  |
| RANACBURE | !// | cf. Ranunculus<br>acris/repens/bulbosus | buttercups                       | ABCDEG | RANUNCULACEAE | 9000  |
| RANAR     | _   | Ranunculus arvensis L.                  | corn crowfoot                    | A      | RANUNCULACEAE | 10000 |
| RANAR     | /   | Ranunculus cf. arvensis                 | corn crowfoot                    | A      | RANUNCULACEAE | 11000 |
| RANAR     | //  | cf. Ranunculus arvensis                 | corn crowfoot                    | A      | RANUNCULACEAE | 12000 |
| RANAR     | !   | Ranunculus arvensis                     | corn crowfoot                    | A      | RANUNCULACEAE | 12500 |
| RANAU     | /   | Ranunculus cf. auricomus                | goldilocks                       | C      | RANUNCULACEAE | 16000 |
| RANBA     | !   | Ranunculus subgen.<br>Batrachium (DC)A  | crowfoots                        | E      | RANUNCULACEAE | 25000 |
| RANBA     | !// | Ranunculus cf. subgen.<br>Batrachium    | crowfoots                        | E      | RANUNCULACEAE | 26000 |
| RANFL     | _   | Ranunculus flammula L.                  | lesser spearwort                 | EG     | RANUNCULACEAE | 19000 |
| RANFL     | /   | Ranunculus cf. flammula                 | lesser spearwort                 | EG     | RANUNCULACEAE | 20000 |
| RANFL     | //  | cf. Ranunculus flammula                 | lesser spearwort                 | EG     | RANUNCULACEAE | 21000 |
| RANLI     | _   | Ranunculus lingua L.                    | great spearwort                  | E      | RANUNCULACEAE | 17000 |
| RANLI     | /   | Ranunculus cf. lingua                   | great spearwort                  | E      | RANUNCULACEAE | 18000 |
| RANPA     | /   | Ranunculus cf. parviflorus              | small-flowered<br>buttercup      | CD     | RANUNCULACEAE | 15000 |
| RANRE     | /   | Ranunculus cf. repens                   | creeping buttercup               | CD     | RANUNCULACEAE | 6600  |
| RANSA     | _   | Ranunculus sardous<br>Crantz            | hairy buttercup                  | ABE    | RANUNCULACEAE | 13000 |
| RANSA     | /   | Ranunculus cf. sardous                  | hairy buttercup                  | ABE    | RANUNCULACEAE | 14000 |
| RANSC     | _   | Ranunculus sceleratus L.                | celery-leaved crowfoot           | E      | RANUNCULACEAE | 22000 |
| RANSC     | /   | Ranunculus cf. sceleratus               | celery-leaved crowfoot           | E      | RANUNCULACEAE | 23000 |
| RANSC     | //  | cf. Ranunculus sceleratus               | celery-leaved crowfoot           | E      | RANUNCULACEAE | 24000 |
| RAPRA     | _   | Raphanus raphanistrum<br>L.             | wild radish/charlock             | A      | CRUCIFERAE    | 54000 |
| RAPRA     | _S  | Raphanus raphanistrum<br>L.             | wild radish/charlock,<br>siliqua | A      | CRUCIFERAE    | 54050 |
| RAPRA     | //  | cf. Raphanus<br>raphanistrum            | wild radish/charlock             | A      | CRUCIFERAE    | 55000 |
| RES       | #   | Reseda sp.                              | weld/mignonette                  | AB     | RESEDACEAE    | 77000 |
| RES       | ##  | cf. Reseda sp.                          | weld/mignonette                  | AB     | RESEDACEAE    | 77500 |
| RESLT     | _   | Reseda lutea L.                         | wild mignonette                  | AB     | RESEDACEAE    | 75000 |

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| RESLT     | //  | cf. Reseda lutea                        | wild mignonette                   | AB    | RESEDACEAE       | 76000  |
| RESLU     | _   | Reseda luteola L.                       | weld/dyer's rocket                | ABGHI | RESEDACEAE       | 73000  |
| RESLU     | //  | cf. Reseda luteola                      | weld-dyer's rocket                | ABGHI | RESEDACEAE       | 74000  |
| RHACA     | _   | Rhamnus catharticus L.                  | buckthorn                         |       | RHAMNACEAE       | 194100 |
| RHIBOMISE | !   | Rhinanthus sp.                          | yellow rattle                     | ABDGH | SCROPHULARIACEAE | 435000 |
| RHIBOMISE | !/  | cf. Rhinanthus sp.                      | yellow rattle                     | ABDGH | SCROPHULARIACEAE | 436000 |
| RHIMI     | -   | Rhinanthus minor L.                     | yellow rattle                     | D     | SCROPHULARIACEAE | 433000 |
| RHIMI     | //  | cf. Rhinanthus minor                    | yellow rattle                     | D     | SCROPHULARIACEAE | 434000 |
| RIBRU     | /   | Ribes cf. rubrum                        | red currant                       | CFI   | GROSSULARIACEAE  | 274600 |
| ROBPS     | _   | Robinia pseudoacacia L.                 | acacia                            |       | LEGUMINOSAE      | 196200 |
| ROR       | #   | Rorippa sp.                             | -                                 | E     | CRUCIFERAE       | 67200  |
| RORIS     | _   | Rorippa islandica<br>(Oeder)Borbas      | marsh yellow-cress                | E     | CRUCIFERAE       | 64000  |
| RORIS     | /   | Rorippa cf. islandica                   | marsh yellow-cress                | E     | CRUCIFERAE       | 65000  |
| RORIS     | //  | cf. Rorippa islandica                   | marsh yellow-cress                | E     | CRUCIFERAE       | 66000  |
| RORMI     | /   | Rorippa cf. microphylla                 | one-rowed watercress              | E     | CRUCIFERAE       | 63000  |
| RORMINA   | !   | Rorippa<br>microphylla/islandica        | cress                             | E     | CRUCIFERAE       | 67000  |
| RORNA     | _   | Rorippa nasturtium-<br>aquaticum (L.)Ha | watercress                        | EFI   | CRUCIFERAE       | 60000  |
| RORNA     | /   | Rorippa cf. nasturtium-<br>aquaticum    | watercress                        | EFI   | CRUCIFERAE       | 61000  |
| RORNA     | //  | cf. Rorippa nasturtium-<br>aquaticum    | watercress                        | EFI   | CRUCIFERAE       | 62000  |
| RORSY     | /   | cf. Rorippa sylvestris                  | creeping yellow-cress             | ADE   | CRUCIFERAE       | 63500  |
| ROS       | #   | Rosa sp.                                | rose                              | CGI   | ROSACEAE         | 257000 |
| ROSA      | ~   | Rosaceae indet.                         | -                                 | -     | ROSACEAE         | 274000 |
| ROSA      | ~TH | Rosaceae indet.                         | - thorn                           | -     | ROSACEAE         | 274050 |
| ROSA      | ~/  | cf. Rosaceae indet.                     | -                                 | -     | ROSACEAE         | 274100 |
| ROSCA     | /   | Rosa cf. canina                         | dogrose                           | CG    | ROSACEAE         | 256000 |
| RUB       | #   | Rubus sp.                               |                                   | CDFGH | ROSACEAE         | 228200 |
| RUBCAFR   | !   | Rubus fruticosus/caesius                | blackberry/dewberry               | CDFGH | ROSACEAE         | 228000 |
| RUBCAFRID | !   | Rubus<br>fruticosus/idaeus/caesius      | blackberry/raspberry/d<br>ewberry | CDFGH | ROSACEAE         | 226000 |
| RUBFR     | _   | Rubus fruticosus sens.<br>lat.          | blackberry                        | CFGH  | ROSACEAE         | 222000 |
| RUBFR     | !   | Rubus fruticosus agg.                   | blackberry                        | CFGH  | ROSACEAE         | 223000 |

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| RUBFR     | /     | Rubus cf. fruticosus agg.             | blackberry            | CFGH     | ROSACEAE      | 224000 |
| RUBFRID   | !     | Rubus fruticosus/idaeus               | blackberry/raspberry  | CFGH     | ROSACEAE      | 225000 |
| RUBFRID   | !HD   | Rubus fruticosus/idaeus               | seed head             | CFGH     | ROSACEAE      | 225010 |
| RUBFRID   | !//HD | cf. Rubus<br>fruticosus/idaeus        | seed head             | CFGH     | ROSACEAE      | 225020 |
| RUBI      | ~     | Rubiaceae indet.                      | -                     | -        | RUBIACEAE     | 491900 |
| RUBI      | ~/    | cf. Rubiaceae indet.                  | -                     | -        | cf. RUBIACEAE | 492000 |
| RUBID     | _     | Rubus idaeus                          | raspberry             | CFG      | ROSACEAE      | 226500 |
| RUBID     | /     | Rubus cf. idaeus                      | raspberry             | CFG      | ROSACEAE      | 227000 |
| RUM       | #     | Rumex sp.                             | dock                  | ABCDEFGF | POLYGONACEAE  | 383000 |
| RUM       | #P    | Rumex sp.                             | dock, perianth        | ABCDEFGF | POLYGONACEAE  | 383100 |
| RUM       | ##    | Rumex spp.                            | docks                 | ABCDEFGF | POLYGONACEAE  | 384000 |
| RUM       | ##/   | cf. Rumex spp.                        | docks                 | ABCDEFGF | POLYGONACEAE  | 384500 |
| RUMAC     | _     | Rumex acetosella L.                   | sheep's sorrel        | AD       | POLYGONACEAE  | 367000 |
| RUMAC     | /     | Rumex cf. acetosella                  | sheep's sorrel        | AD       | POLYGONACEAE  | 368000 |
| RUMAC     | //    | cf. Rumex acetosella                  | sheep's sorrel        | AD       | POLYGONACEAE  | 369000 |
| RUMAC     | !     | Rumex acetosella agg.                 | sheep's sorrel        | AD       | POLYGONACEAE  | 370000 |
| RUMAC     | !!    | Rumex acetosella type                 | sheep's sorrel        | AD       | POLYGONACEAE  | 370500 |
| RUMAC     | !//   | cf. Rumex acetosella agg.             | sheep's sorrel        | AD       | POLYGONACEAE  | 371000 |
| RUMAT     | !     | Rumex acetosa type                    | common sorrel         | CDF      | POLYGONACEAE  | 371100 |
| RUMCACROB | !     | Rumex<br>acetosa/crispus/obtusifolius | dock                  | ABCD     | POLYGONACEAE  | 376000 |
| RUMCACROB | !/    | Rumex cf.<br>acetosa/crispus/obtusifo | dock                  | ABCD     | POLYGONACEAE  | 377000 |
| RUMCO     | _     | Rumex conglomeratus<br>Murr.          | sharp dock            | CDE      | POLYGONACEAE  | 381000 |
| RUMCO     | _B    | Rumex conglomeratus<br>Murr.          | sharp dock bract      | CDE      | POLYGONACEAE  | 381010 |
| RUMCR     | _B    | Rumex crispus L.                      | curled dock bract     | BC       | POLYGONACEAE  | 373500 |
| RUMCR     | /B    | cf. Rumex crispus L.                  | curled dock bract     | BC       | POLYGONACEAE  | 373600 |
| RUMHY     | _     | Rumex hydrolapathum<br>Huds.          | great water dock      | E        | POLYGONACEAE  | 371500 |
| RUMHY     | /     | Rumex cf. hydrolapathum               | great water dock      | E        | POLYGONACEAE  | 372000 |
| RUMMA     | _     | Rumex maritimus L.                    | golden dock           | EJ       | POLYGONACEAE  | 382000 |
| RUMMA     | _B    | Rumex maritimus L.                    | golden dock, perianth | EJ       | POLYGONACEAE  | 382500 |
| RUMOB     | _     | Rumex obtusifolius L.                 | broad-leaved dock     | BC       | POLYGONACEAE  | 373000 |
| RUMOB     | !     | Rumex obtusifolius type               | broad-leaved dock     | BC       | POLYGONACEAE  | 374000 |
| RUMOB     | /     | Rumex cf. obtusifolius                | broad-leaved dock     | BC       | POLYGONACEAE  | 375000 |

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| RUMOB    | /B   | Rumex cf. obtusifolius                  | brdlvd dock bract    | BC    | POLYGONACEAE    | 375010 |
| RUMSA    | _    | Rumex sanguineus L.                     | red-veined dock      | BCD   | POLYGONACEAE    | 379000 |
| RUMSA    | /    | Rumex cf. sanguineus                    | red-veined dock      | BCD   | POLYGONACEAE    | 380000 |
| RUMSACO  | !    | Rumex<br>sanguineus/conglomeratus       | dock                 | BC    | POLYGONACEAE    | 378000 |
| RUTGR    | _    | Ruta graveolens                         | rue                  | FGI   | RUTACEAE        | 345550 |
| SAGSA    | //   | Sagittaria sagittifolia L.              | arrow-head           | E     | ALISMATACEAE    | 596500 |
| SAL      | !    | Salix type                              | willow               | CE    | SALICACEAE      | 406200 |
| SAL      | #C   | Salix sp.                               | willow, capsule      | CE    | SALICACEAE      | 406250 |
| SALI     | ~    | Populus sp./Salix sp.                   | willow/poplar/aspens | -     | SALICACEAE      | 406300 |
| SAM      | #    | Sambucus sp.                            | elder                | BCFGH | CAPRIFOLIACEAE  | 495500 |
| SAM      | ##   | Sambucus spp.                           | elder                | BCFGH | CAPRIFOLIACEAE  | 495550 |
| SAMEBNI  | !    | Sambucus nigra/ebulus                   | elder/danewort       | BCFGH | CAPRIFOLIACEAE  | 495000 |
| SAMNI    | _    | Sambucus nigra L.                       | elder                | BCFGH | CAPRIFOLIACEAE  | 493000 |
| SAMNI    | /    | Sambucus cf. nigra                      | elder                | BCFGH | CAPRIFOLIACEAE  | 494000 |
| SAPOF    | //   | cf. Saponaria officinalis               | soapwort             | CEH   | CARYOPHYLLACEAE | 105000 |
| SATHO    | _    | Satureja hortensis                      | summer savory        | FGI   | LABIATAE        | 445000 |
| SATHO    | !    | Satureja hortensis type                 | summer savory        | FGI   | LABIATAE        | 446000 |
| SATHO    | //   | cf. Satureja hortensis                  | summer savory        | FGI   | LABIATAE        | 447000 |
| SATMO    | !//  | cf. Satureja montana                    | savory               | FI    | LABIATAE        | 448000 |
| SAX      | #    | Saxifraga sp.                           | saxifrage            | CDE   | SAXIFRAGACEAE   | 274500 |
| SCHLA    | _    | Schoenoplectus lacustris<br>(L.)Palla   | bulrush              | E     | CYPERACEAE      | 630000 |
| SCHLA    | /    | Schoenoplectus cf.<br>lacustris         | bulrush              | E     | CYPERACEAE      | 631000 |
| SCHLA    | //   | cf. Schoenoplectus<br>lacustris         | bulrush              | E     | CYPERACEAE      | 632000 |
| SCHLATA  | !    | Schoenoplectus lacustris/<br>tabernaem. | bulrush              | E     | CYPERACEAE      | 633000 |
| SCHLATA  | !//  | cf. Schoenoplectus<br>lacus./tabernae.  | bulrush              | E     | CYPERACEAE      | 633500 |
| SCI      | ##   | Scirpus spp.                            | club-rushes          | EH    | CYPERACEAE      | 627000 |
| SCI      | #/   | cf. Scirpus sp.                         | club-rush            | E     | CYPERACEAE      | 629000 |
| SCIMA    | _    | Scirpus maritimus L.                    | Sea Club-rush        | E     | CYPERACEAE      | 625000 |
| SCISCHLA | !#_  | Scirpus/Schoenoplectus<br>lacustris     |                      | E     | CYPERACEAE      | 633600 |
| SCISCHLA | !#_/ | cf. Scirpus/<br>Schoenoplectus lacustri |                      | E     | CYPERACEAE      | 633610 |

|           |     |                                  |                         |        |                  |        |
|-----------|-----|----------------------------------|-------------------------|--------|------------------|--------|
| SCLAN     | _   | Scleranthus annuus L.            | annual knawel           | AB     | CARYOPHYLLACEAE  | 144000 |
| SCLAN     | //  | cf. Scleranthus annuus           | annual knawel           | AB     | CARYOPHYLLACEAE  | 145000 |
| SCR       | #   | Scrophularia sp.                 | figwort                 | CE     | SCROPHULARIACEAE | 422000 |
| SCRNO     | /   | Scrophularia cf. nodosa          | figwort                 | CEG    | SCROPHULARIACEAE | 421000 |
| SECCE     | _   | Secale cereale                   | rye                     | FI     | GRAMINEAE        | 600    |
| SECCE     | _R  | Secale cereale                   | rye rachis              | FI     | GRAMINEAE        | 610    |
| SECCE     | //  | cf. Secale cereale               | rye                     | FI     | GRAMINEAE        | 620    |
| SECCE     | //R | cf. Secale cereale               | rye rachis              | FI     | GRAMINEAE        | 625    |
| SECCE     | //A | cf. Secale cereale               | rye awn                 | FI     | GRAMINEAE        | 630    |
| SECTRI    | !#  | Triticum/Secale sp.              | wheat/rye               | FI     | GRAMINEAE        | 650    |
| SECTRI    | !## | Triticum/Secale spp.             | wheat/rye               | FI     | GRAMINEAE        | 652    |
| SECTRI    | !#R | Triticum/Secale sp.              | wheat/rye rachis        | FI     | GRAMINEAE        | 655    |
| SEN       | #   | Senecio sp.                      | ragwort                 | ABCDEG | COMPOSITAE       | 509000 |
| SEN       | #/  | cf. Senecio sp.                  | ragwort                 | ABCDEG | COMPOSITAE       | 510000 |
| SENAQ     | /   | Senecio cf. aquaticus            | marsh ragwort           | DE     | COMPOSITAE       | 508000 |
| SENJA     | /   | Senecio cf. jacobea              | ragwort                 | BG     | COMPOSITAE       | 507000 |
| SESLI     | _   | Seseli libanotis (L.) Koch       | moon carrot             | CD     | UMBELLIFERAE     | 292500 |
| SET       | #   | Setaria sp.                      | -                       | B      | GRAMINEAE        | 704100 |
| SET       | #/  | cf. Setaria sp.                  | -                       | B      | GRAMINEAE        | 704200 |
| SETVIVE   | /   | Setaria cf. viridis/verticillata | green/bur bristle-grass | A      | GRAMINAE         | 704050 |
| SHEAR     | _   | Sherardia arvensis L.            | field madder            | AB     | RUBIACEAE        | 485000 |
| SIBMA     | //  | cf. Silybum marianum             | milk-thistle            | B      | COMPOSITAE       | 546100 |
| SIL       | #   | Silene sp.                       | campion/catchfly        | ABCDF  | CARYOPHYLLACEAE  | 95000  |
| SIL       | ##  | Silene spp.                      | campions/catchflies     | ABCDF  | CARYOPHYLLACEAE  | 96000  |
| SIL       | #/  | cf. Silene sp.                   | campion/catchfly        | ABCDF  | CARYOPHYLLACEAE  | 97000  |
| SILAL     | /   | Silene cf. alba                  | white campion           | ABC    | CARYOPHYLLACEAE  | 85000  |
| SILALDI   | !   | Silene dioica/alba type          | white/red campion       | ABCD   | CARYOPHYLLACEAE  | 86000  |
| SILALDI   | /   | Silene cf. dioica/alba           | white/red campion       | ABCD   | CARYOPHYLLACEAE  | 87000  |
| SILALDINO | !   | Silene                           | campion                 | ABC    | CARYOPHYLLACEAE  | 89000  |
| SILALNO   | !   | alba/dioica/noctiflora           | campion                 | ABC    | CARYOPHYLLACEAE  | 88000  |
| SILALNOVU | !   | Silene                           | campion                 | ABCDF  | CARYOPHYLLACEAE  | 90000  |
| SILALVU   | !   | alba/noctiflora/vulgaris         | campion                 | ABCDF  | CARYOPHYLLACEAE  | 90000  |
| SILALVU   | !   | Silene alba/vulgaris             | white/bladder campion   | ABDF   | CARYOPHYLLACEAE  | 92500  |
| SILDI     | _   | Silene dioica (L.) Clairv.       | red campion             | CD     | CARYOPHYLLACEAE  | 83000  |
| SILDI     | /   | Silene cf. dioica                | red campion             | CD     | CARYOPHYLLACEAE  | 84000  |

|         |     |                                    |                              |        |                 |        |
|---------|-----|------------------------------------|------------------------------|--------|-----------------|--------|
| SILMA   | /   | Silene cf. maritima                | sea campion                  | ABDF   | CARYOPHYLLACEAE | 93000  |
| SILMAVU | !   | Silene vulgaris/maritima           | bladder/sea campion          | ABDF   | CARYOPHYLLACEAE | 94000  |
| SILSI   | //  | cf. Silaum silaus                  | pepper saxifrage             | D      | UMBELLIFERAE    | 297500 |
| SILSTE  | !#  | Silene/Stellaria sp.               | campion/stitchwort           | ABCDEG | CARYOPHYLLACEAE | 132000 |
| SILSTE  | !## | Silene/Stellaria spp.              | campion/stitchwort           | ABCDEG | CARYOPHYLLACEAE | 132100 |
| SILSTE  | !#/ | cf. Silene/Stellaria sp.           | campion/stitchwort           | ABCDEG | CARYOPHYLLACEAE | 132500 |
| SILVU   | —   | Silene<br>vulgaris(Moench)Garcke   | bladder campion              | ABDF   | CARYOPHYLLACEAE | 91000  |
| SILVU   | /   | Silene cf. vulgaris                | bladder campion              | ABDF   | CARYOPHYLLACEAE | 92000  |
| SINAL   | —   | Sinapis alba L.                    | white mustard                | ABFGHI | CRUCIFERAE      | 53500  |
| SISOF   | —   | Sisymbrium officinale (L.)<br>Scop | hedge mustard                | ABCG   | CRUCIFERAE      | 67500  |
| SISOF   | !   | Sisymbrium officinale<br>type      | hedge mustard                | ABCG   | CRUCIFERAE      | 67700  |
| SOL     | #   | Solanum sp.                        | nightshade                   | BD     | SOLANACEAE      | 419000 |
| SOLA    | ~   | Solanaceae indet.                  | -                            | -      | SOLANACEAE      | 419500 |
| SOLA    | ~/  | cf. Solanaceae indet.              | -                            | -      | CF. SOLANACEAE  | 420000 |
| SOLDU   | —   | Solanum dulcamara L.               | woody nightshade             | BC     | SOLANACEAE      | 414000 |
| SOLDU   | //  | cf. Solanum dulcamara              | woody nightshade             | BC     | SOLANACEAE      | 415000 |
| SOLNI   | —   | Solanum nigrum L.                  | black nightshade             | BF     | SOLANACEAE      | 416000 |
| SOLNI   | /   | Solanum cf. nigrum                 | black nightshade             | BF     | SOLANACEAE      | 417000 |
| SOLNI   | //  | cf. Solanum nigrum                 | black nightshade             | BF     | SOLANACEAE      | 418000 |
| SON     | #   | Sonchus sp.                        | milk-/sow-thistle            | ABE    | COMPOSITAE      | 579000 |
| SON     | #!/ | cf. Sonchus sp.                    | milk-/sow-thistle            | ABE    | COMPOSITAE      | 580000 |
| SONAR   | —   | Sonchus arvensis L.                | field milk-thistle           | ADE    | COMPOSITAE      | 573000 |
| SONAS   | —   | Sonchus asper (L.) Hill            | spiny milk-/sow-thistle      | AB     | COMPOSITAE      | 576000 |
| SONAS   | /   | Sonchus cf. asper                  | spiny milk-/sow-thistle      | AB     | COMPOSITAE      | 577000 |
| SONASOL | !   | Sonchus asper/oleraceus            | milk/sow thistle             | AB     | COMPOSITAE      | 578000 |
| SONOL   | —   | Sonchus oleraceus L.               | milk-/sow-thistle            | AB     | COMPOSITAE      | 574000 |
| SONOL   | /   | Sonchus cf. oleraceus              | milk-/sow-thistle            | AB     | COMPOSITAE      | 575000 |
| SOR     | #   | Sorbus sp.                         | rowan/service/etc            |        | ROSACEAE        | 270900 |
| SORMAL  | !#  | Sorbus/ Malus sp.                  | rowan.service etc./<br>apple | CFHI   | ROSACEAE        | 270920 |
| SPA     | #   | Sparganium sp.                     | bur-reed                     | E      | SPARGANIACEAE   | 614000 |
| SPA     | #!/ | cf. Sparganium sp.                 | bur-reed                     | E      | SPARGANIACEAE   | 615000 |
| SPEAR   | —   | Spergula arvensis L.               | corn spurrey                 | ADF    | CARYOPHYLLACEAE | 142000 |
| SPEAR   | //  | cf. Spergula arvensis              | corn spurrey                 | ADF    | CARYOPHYLLACEAE | 143000 |

|         |     |                            |                      |         |                 |        |
|---------|-----|----------------------------|----------------------|---------|-----------------|--------|
| STA     | #   | Stachys sp.                | woundwort            | ACEG    | LABIATAE        | 453000 |
| STA     | #/  | cf. Stachys sp.            | woundwort            | ACEG    | LABIATAE        | 454000 |
| STAPA   | _   | Stachys palustris L.       | marsh woundwort      | AE      | LABIATAE        | 451800 |
| STAPA   | /   | Stachys cf. palustris      | marsh woundwort      | AE      | LABIATAE        | 451900 |
| STAPA   | /   | cf. Stachys palustris      | marsh woundwort      | AE      | LABIATAE        | 452000 |
| STE     | #   | Stellaria sp.              | chickweed/stitchwort | ABCDEG  | CARYOPHYLLACEAE | 129000 |
| STE     | ##  | Stellaria spp.             | chickweed/stitchwort | ABCDEG  | CARYOPHYLLACEAE | 130000 |
| STE     | #/  | cf. Stellaria sp.          | chickweed/stitchwort | ABCDEG  | CARYOPHYLLACEAE | 131000 |
| STE     | ##/ | cf. Stellaria spp.         | chickweed/stitchwort | ABCDEG  | CARYOPHYLLACEAE | 131500 |
| STEAL   | _   | Stellaria alsine Grimm     | bog stitchwort       | E       | CARYOPHYLLACEAE | 126000 |
| STEAL   | /   | Stellaria cf. alsine       | bog stitchwort       | E       | CARYOPHYLLACEAE | 127000 |
| STEAL   | //  | cf. Stellaria alsine       | bog stitchwort       | E       | CARYOPHYLLACEAE | 128000 |
| STEGR   | _   | Stellaria graminea L.      | lesser stitchwort    | CD      | CARYOPHYLLACEAE | 120000 |
| STEGR   | !   | Stellaria graminea type    | lesser stitchwort    | CD      | CARYOPHYLLACEAE | 121000 |
| STEGR   | !/  | cf. Stellaria graminea     | lesser stitchwort    | CD      | CARYOPHYLLACEAE | 122000 |
| STEGR   | /   | Stellaria cf. graminea     | lesser stitchwort    | CD      | CARYOPHYLLACEAE | 123000 |
| STEGR   | //  | cf. Stellaria graminea     | lesser stitchwort    | CD      | CARYOPHYLLACEAE | 124000 |
| STEGRME | !   | Stellaria media/graminea   | chickweed/stitchwor  | ABCD    | CARYOPHYLLACEAE | 124500 |
| STEGRPA | !   | Stellaria                  | stitchwort           | CDE     | CARYOPHYLLACEAE | 125000 |
| STEHO   | _   | Stellaria holostea L.      | greater stitchwort   | CG      | CARYOPHYLLACEAE | 117000 |
| STEHO   | //  | cf. Stellaria holostea L.  | greater stitchwort   | CG      | CARYOPHYLLACEAE | 118000 |
| STEME   | _   | Stellaria media (L.) Vill. | chickweed            | AB      | CARYOPHYLLACEAE | 113000 |
| STEME   | /   | Stellaria cf. media        | chickweed            | AB      | CARYOPHYLLACEAE | 114000 |
| STEME   | //  | cf. Stellaria media        | chickweed            | AB      | CARYOPHYLLACEAE | 115000 |
| STEME   | !   | Stellaria media gp.        | chickweeds           | ABCDE   | CARYOPHYLLACEAE | 116000 |
| STENE   | /   | Stellaria cf. nemorum      | wood chickweed       | CE      | CARYOPHYLLACEAE | 112800 |
| STEPA   | /   | Stellaria cf. palustris    | marsh stitchwort     | E       | CARYOPHYLLACEAE | 119000 |
| TAR     | #   | Taraxacum sp.              | dandelion            | BCDEFGH | COMPOSITAE      | 588000 |
| TAR     | ##  | Taraxacum spp.             | dandelion            | BCDEFGH | COMPOSITAE      | 588500 |
| TAROF   | _   | Taraxacum officinale       | dandelion            | BDFGH   | COMPOSITAE      | 586000 |
| TAROF   | /   | Taraxacum cf. officinale   | dandelion            | BDFGH   | COMPOSITAE      | 587000 |
| TAXBA   | _   | Taxus baccata L.           | yew                  |         | PINACEAE        | 4200   |
| TEU     | #   | Teucrium sp.               | germander            | CDEG    | LABIATAE        | 470000 |
| THAFL   | _   | Thalictrum flavum L.       | common meadow rue    | DE      | RANUNCULACEAE   | 27000  |



|           |     |   |                             |      |               |        |
|-----------|-----|---|-----------------------------|------|---------------|--------|
| THAFL     | /   | Thalictrum cf.flavum                    | common meadow rue           | DE   | RANUNCULACEAE | 28000  |
| THAFLMI   | !   | Thalictrum flavum/minus                 | meadow-rue                  | DE   | RANUNCULACEAE | 29000  |
| THAFLMI   | !// | cf. Thalictrum<br>flavum/minus          | meadow rue                  | DE   | RANUNCULACEAE | 29200  |
| THLAR     | _   | Thlaspi arvense L.                      | field penny-cress           | AB   | CRUCIFERAE    | 57000  |
| TIL       | #   | Tilia sp.                               | lime                        |      | TILIACEAE     | 183500 |
| TILPLCOEU | !   | Tilia platyphyllos/cordata/<br>europaea | lime                        |      | TILIACEAE     | 183400 |
| TORAR     | _   | Torilis<br>arvensis(Huds.)Link          | spreading hedge-<br>parsley | A    | UMBELLIFERAE  | 304100 |
| TORAR     | /   | Torilis cf.arvensis                     | spreading hedge-<br>parsley | A    | UMBELLIFERAE  | 304200 |
| TORARJANO | !   | Torilis sp.                             | hedge-parsley               | ACD  | UMBELLIFERAE  | 304700 |
| TORARJANO | !// | cf. Torilis sp.                         | hedge-parsley               | ACD  | UMBELLIFERAE  | 304800 |
| TORJA     | _   | Torilis japonica<br>(Houtt.)DC          | upright hedge-parsley       | CD   | UMBELLIFERAE  | 304000 |
| TORJANO   | !   | Torilis japonica/nodosa                 | hedge-parsley               | ACD  | UMBELLIFERAE  | 304500 |
| TORJANO   | !// | cf. Torilis<br>japonica/nodosa          | hedge-parsley               | ACD  | UMBELLIFERAE  | 304600 |
| TORNO     | _   | Torilis nodosa (L.)<br>Gaertn.          | knotted hedge-parsley       | AD   | UMBELLIFERAE  | 304300 |
| TORNO     | //  | cf. Torilis nodosa                      | knotted hedge-parsley       | AD   | UMBELLIFERAE  | 304400 |
| TORNO     | /   | Torilis cf. nodosa                      | knotted hedge-parsley       | AD   | UMBELLIFERAE  | 304450 |
| TRF       | #   | Trifolium sp.                           | clover                      | ABDI | LEGUMINOSAE   | 200000 |
| TRF       | ##/ | Trifolium spp.                          | clover                      | ABDI | LEGUMINOSAE   | 201000 |
| TRF       | #/  | cf. Trifolium sp.                       | clover                      | BDI  | LEGUMINOSAE   | 201500 |
| TRFRE     | !// | cf. Trifolium repens type               | white clover                | D    | LEGUMINOSAE   | 199000 |
| TRGMA     | _   | Triglochin maritima L.                  | sea arrow-head              | E    | JUNCAGINACEAE | 598000 |
| TRGMA     | //  | cf. Triglochin maritima                 | sea arrow-head              | E    | JUNCAGINACEAE | 599000 |
| TRGPA     | _   | Triglochin palustris L.                 | marsh arrow-grass           | E    | JUNCAGINACEAE | 597000 |
| TRGPA     | //  | cf. Triglochin palustris                | marsh arrow-grass           | E    | JUNCAGINACEAE | 597500 |
| TRI       | #   | Triticum sp.                            | wheat                       | FI   | GRAMINEAE     | 500    |
| TRI       | ##  | Triticum spp.                           | wheat                       | FI   | GRAMINEAE     | 502    |
| TRI       | #TG | Triticum sp.                            | wheat tail grain            | FI   | GRAMINEAE     | 505    |
| TRI       | #SK | Triticum sp.                            | wheat spikelet              | FI   | GRAMINEAE     | 510    |
| TRI       | #SF | Triticum sp.                            | wheat spikelet fork         | FI   | GRAMINEAE     | 515    |
| TRI       | #GB | Triticum sp.                            | wheat glume base            | FI   | GRAMINEAE     | 520    |
| TRI       | #R  | Triticum sp.                            | wheat rachis                | FI   | GRAMINEAE     | 525    |

|         |      |                                    |                        |    |           |     |
|---------|------|------------------------------------|------------------------|----|-----------|-----|
| TRI     | #CN  | Triticum sp.                       | wheat culm node        | FI | GRAMINEAE | 530 |
| TRI     | #A   | Triticum sp.                       | wheat awn              | FI | GRAMINEAE | 535 |
| TRI     | #/   | cf. Triticum sp.                   | wheat                  | FI | GRAMINEAE | 540 |
| TRI     | #/TG | cf. Triticum sp.                   | wheat tail grain       | FI | GRAMINEAE | 545 |
| TRI     | #/SK | cf. Triticum sp.                   | wheat spikelet         | FI | GRAMINEAE | 550 |
| TRI     | #/SF | cf. Triticum sp.                   | wheat spikelet fork    | FI | GRAMINEAE | 555 |
| TRI     | #/GB | cf. Triticum sp.                   | wheat glume base       | FI | GRAMINEAE | 560 |
| TRI     | #/R  | cf. Triticum sp.                   | wheat rachis           | FI | GRAMINEAE | 565 |
| TRI     | #/CN | cf. Triticum sp.                   | wheat culm node        | FI | GRAMINEAE | 570 |
| TRI     | #/CO | cf. Triticum sp.                   | wheat coleoptile       | FI | GRAMINEAE | 575 |
| TRIAE   | _    | Triticum aestivum L. s.l.          | bread/club wheat       | FI | GRAMINEAE | 400 |
| TRIAE   | _TG  | Triticum aestivum L. s.l.          | bread wheat tail grain | FI | GRAMINEAE | 405 |
| TRIAE   | _R   | Triticum aestivum L. s.l.          | bread wheat rachis     | FI | GRAMINEAE | 410 |
| TRIAE   | !    | Triticum aestivum type             | bread/club wheat       | FI | GRAMINEAE | 420 |
| TRIAE   | !/   | Triticum cf. aestivum type         | bread/club wheat       | FI | GRAMINEAE | 425 |
| TRIAE   | !TG  | Triticum aestivum type             | bread wheat tail grain | FI | GRAMINEAE | 430 |
| TRIAE   | !R   | Triticum aestivum type             | bread wheat rachis     | FI | GRAMINEAE | 435 |
| TRIAECO | !    | Triticum                           | club wheat             | IF | GRAMINEAE | 450 |
| TRIAECO | !TG  | Triticum<br>aestivo/compactum      | club wheat tail grain  | FI | GRAMINEAE | 455 |
| TRIAECO | !R   | Triticum<br>aestivo/compactum      | club wheat rachis      | FI | GRAMINEAE | 460 |
| TRIAECO | !/   | Triticum cf. aestivo-<br>compactum | club wheat             | FI | GRAMINEAE | 470 |
| TRIAECO | !TG  | Triticum cf. aestivo-<br>compactum | club wheat tail grain  | FI | GRAMINEAE | 475 |
| TRIAECO | !R   | Triticum cf. aestivo-<br>compactum | club wheat rachis      | FI | GRAMINEAE | 480 |
| TRIAESP | !    | Triticum spelta/aestivum           | spelt/bread wheat      | FI | GRAMINEAE | 490 |
| TRIDI   | _    | Triticum dicoccum                  | emmer                  | FI | GRAMINEAE | 100 |
| TRIDI   | _TG  | Triticum dicoccum                  | emmer tail grain       | FI | GRAMINEAE | 105 |
| TRIDI   | _SK  | Triticum dicoccum                  | emmer spikelet         | FI | GRAMINEAE | 110 |
| TRIDI   | _SF  | Triticum dicoccum                  | emmer spikelet<br>fork | FI | GRAMINEAE | 115 |
| TRIDI   | _GB  | Triticum dicoccum                  | emmer glume base       | FI | GRAMINEAE | 120 |
| TRIDI   | _R   | Triticum dicoccum                  | emmer rachis           | FI | GRAMINEAE | 125 |
| TRIDI   | /    | Triticum cf. dicoccum              | emmer                  | FI | GRAMINEAE | 150 |

|         |       |                                 |             |            |    |           |     |
|---------|-------|---------------------------------|-------------|------------|----|-----------|-----|
| TRIDI   | /TG   | Triticum cf. dicoccum           | emmer       | tail grain | FI | GRAMINEAE | 160 |
| TRIDI   | /SK   | Triticum cf. dicoccum           | emmer       | spikelet   | FI | GRAMINEAE | 165 |
| TRIDI   | /SF   | Triticum cf. dicoccum           | emmer       | spikelet   | FI | GRAMINEAE | 170 |
| TRIDI   | /GB   | Triticum cf. dicoccum           | emmer       | glume base | FI | GRAMINEAE | 175 |
| TRIDI   | /R    | Triticum cf. dicoccum           | emmer       | rachis     | FI | GRAMINEAE | 180 |
| TRIDIDU | !     | Triticum dicoccum/durum         | emmer/durum | wheat      | FI | GRAMINAE  | 390 |
| TRIDISP | !     | Triticum dicoccum/spelta        | emmer/spelt |            | FI | GRAMINEAE | 300 |
| TRIDISP | !TG   | Triticum dicoccum/spelta        | emmer/spelt | tail grain | FI | GRAMINEAE | 305 |
| TRIDISP | !SK   | Triticum dicoccum/spelta        | emmer/spelt | spikelet   | FI | GRAMINEAE | 310 |
| TRIDISP | !SF   | Triticum dicoccum/spelta        | emmer/spelt | spikelet   | FI | GRAMINEAE | 315 |
| TRIDISP | !GB   | Triticum dicoccum/spelta        | emmer/spelt | glume base | FI | GRAMINEAE | 320 |
| TRIDISP | !R    | Triticum dicoccum/spelta        | emmer/spelt | rachis     | FI | GRAMINEAE | 325 |
| TRIDISP | !/TG  | Triticum cf.<br>dicoccum/spelta | emmer/spelt | tail grain | FI | GRAMINEAE | 330 |
| TRIDISP | !/SK  | Triticum cf.<br>dicoccum/spelta | emmer/spelt | spikelet   | FI | GRAMINEAE | 335 |
| TRIDISP | !/    | Triticum cf.<br>dicoccum/spelta | emmer/spelt |            | FI | GRAMINEAE | 340 |
| TRIDISP | !/SF  | Triticum cf.<br>dicoccum/spelta | emmer/spelt | spikelet   | FI | GRAMINEAE | 345 |
| TRIDISP | !/GB  | Triticum cf.<br>dicoccum/spelta | emmer/spelt | glume base | FI | GRAMINEAE | 350 |
| TRIDISP | !/R   | Triticum cf.<br>dicoccum/spelta | emmer/spelt | rachis     | FI | GRAMINEAE | 355 |
| TRIDISP | !//   | cf. Triticum<br>dicoccum/spelta | emmer/spelt |            | FI | GRAMINEAE | 360 |
| TRIDISP | !//TG | cf. Triticum<br>dicoccum/spelta | emmer/spelt | tail grain | FI | GRAMINEAE | 365 |
| TRIDISP | !//SK | cf. Triticum<br>dicoccum/spelta | emmer/spelt | spikelet   | FI | GRAMINEAE | 370 |
| TRIDISP | !//SF | cf. Triticum<br>dicoccum/spelta | emmer/spelt | spikelet   | FI | GRAMINEAE | 375 |
| TRIDISP | !//GB | cf. Triticum<br>dicoccum/spelta | emmer/spelt | glume base | FI | GRAMINEAE | 380 |
| TRIDISP | !//R  | cf. Triticum<br>dicoccum/spelta | emmer/spelt | rachis     | FI | GRAMINEAE | 385 |
| TRIDUAE | !     | Triticum durum/aestivum         | durum/bread | wheat      | FI | GRAMINAE  | 495 |

|           |     |                                       |                             |         |                             |        |
|-----------|-----|---------------------------------------|-----------------------------|---------|-----------------------------|--------|
| TRIMA     | _   | Tripleurospermum<br>maritimum(L.)Koch | scentless mayweed           | AB      | COMPOSITAE                  | 522000 |
| TRIMA     | //  | cf. Tripleurospermum<br>maritimum     | scentless mayweed           | AB      | COMPOSITAE                  | 523000 |
| TRIMO     | /   | Triticum cf. monococcum               | einkorn                     | FI      | GRAMINAE                    | 55     |
| TRIMODI   | !   | Triticum<br>monococcum/dicoccum       | einkorn/emmer               | FI      | GRAMINEAE                   | 190    |
| TRIMODI   | !GB | Triticum<br>monococcum/dicoccum       | einkorn/emmer glume<br>base | FI      | GRAMINEAE                   | 195    |
| TRISP     | _   | Triticum spelta                       | spelt                       | FI      | GRAMINEAE                   | 200    |
| TRISP     | _TG | Triticum spelta                       | spelt tail grain            | FI      | GRAMINEAE                   | 210    |
| TRISP     | _SK | Triticum spelta                       | spelt spikelet              | FI      | GRAMINEAE                   | 215    |
| TRISP     | _SF | Triticum spelta                       | spelt spikelet fork         | FI      | GRAMINEAE                   | 220    |
| TRISP     | _GB | Triticum spelta                       | spelt glume base            | FI      | GRAMINEAE                   | 225    |
| TRISP     | _R  | Triticum spelta                       | spelt rachis                | FI      | GRAMINEAE                   | 230    |
| TRISP     | /   | Triticum cf. spelta                   | spelt                       | FI      | GRAMINEAE                   | 250    |
| TRISP     | /TG | Triticum cf. spelta                   | spelt tail grain            | FI      | GRAMINEAE                   | 260    |
| TRISP     | /SK | Triticum cf. spelta                   | spelt spikelet              | FI      | GRAMINEAE                   | 265    |
| TRISP     | /SF | Triticum cf. spelta                   | spelt spikelet fork         | FI      | GRAMINEAE                   | 270    |
| TRISP     | /GB | Triticum cf. spelta                   | spelt glume base            | FI      | GRAMINEAE                   | 275    |
| TRISP     | /R  | Triticum cf. spelta                   | spelt rachis                | FI      | GRAMINEAE                   | 280    |
| TRISP     | !   | Triticum spelta type                  | spelt                       | FI      | GRAMINEAE                   | 290    |
| TURLA     | _   | Turgenia latifolia<br>(L.)Hoffm.      |                             | AB      | UMBELLIFERAE                | 305000 |
| TYPANLAMI | !   | Typha sp.                             | bulrush/reedmace            | E       | TYPHACEAE                   | 616000 |
| TYPANLAMI | !// | cf. Typha sp.                         | bulrush/reedmace            | E       | TYPHACEAE                   | 617000 |
| UENCR     | /   | Oenanthe cf. crocata                  | hemlock water<br>dropwort   | E       | UMBELLIFERAE                | 294400 |
| ULMGLMI   | !   | Ulmus glabra/minor                    | elm                         |         | ULMACEAE                    | 396500 |
| UMBE      | ~   | Umbelliferae indet.                   | -                           | -       | UMBELLIFERAE                | 339000 |
| UMBE      | ~/  | cf. Umbelliferae indet.               | -                           | -       | CF. UMBELLIFERAE            | 340000 |
| UMBECOMP  | ~!  | Umbelliferae/Compositae<br>indet      | -                           | -       | UMBELLIFERAE/COMPOSI<br>TAE | 341000 |
| URTDI     | _   | Urtica dioica L.                      | stinging nettle             | BCDEFGH | URTICACEAE                  | 392000 |
| URTDI     | /   | Urtica cf. dioica                     | stinging nettle             | BCDEFGH | URTICACEAE                  | 392500 |
| URTDI     | //  | cf. Urtica dioica                     | stinging nettle             | BCDEFGH | URTICACEAE                  | 393000 |
| URTDIUR   | !   | Urtica sp.                            | nettle                      | BCDEFGH | URTICACEAE                  | 394000 |

|         |          |  |                             |         |                  |        |
|---------|----------|--|-----------------------------|---------|------------------|--------|
| URTDIUR | ///<br>_ | cf. <i>Urtica</i> sp.                            | nettle                      | BCDEFGH | URTICACEAE       | 395000 |
| URTUR   | /        | <i>Urtica urens</i> L.                           | small nettle                | AB      | URTICACEAE       | 389000 |
| URTUR   | //       | <i>Urtica</i> cf. <i>urens</i>                   | small nettle                | AB      | URTICACEAE       | 390000 |
| URTUR   | /        | cf. <i>Urtica urens</i>                          | small nettle                | AB      | URTICACEAE       | 391000 |
| VACMY   | #        | <i>Vaccinium</i> cf. <i>myrtillos</i>            | bilberry                    | CD      | ERICACEAE        | 406320 |
| VAL     | #        | <i>Valerianella</i> sp.                          | lamb's lettuce/corn salad   | AC      | VALERIANACEAE    | 499000 |
| VALCA   |          | <i>Valerianella carinata</i>                     | keel-fruited cornsalad      | AD      | VALERIANACEAE    | 495900 |
| VALCA   |          | cf. <i>Valerianella carinata</i>                 | keel-fruited cornsalad      | AD      | VALERIANACEAE    | 495910 |
| VALDE   | -        | <i>Valerianella dentata</i> (L.) Pollich         | corn salad                  | A       | VALERIANACEAE    | 496000 |
| VALDE   | /        | <i>Valerianella</i> cf. <i>dentata</i>           | corn salad                  | A       | VALERIANACEAE    | 497000 |
| VALDE   | //       | cf. <i>Valerianella dentata</i>                  | corn salad                  | A       | VALERIANACEAE    | 498000 |
| VEBOF   | -        | <i>Verbena officinalis</i> L.                    | vervain                     | BG      | VERBENACEAE      | 437000 |
| VER     | #        | <i>Veronica</i> sp.                              | speedwell                   | ACDE    | SCROPHULARIACEAE | 431000 |
| VER     | ##/      | cf. <i>Veronica</i> spp.                         | speedwell                   | ACDE    | SCROPHULARIACEAE | 432000 |
| VERAN   | -        | <i>Veronica anagallis-aquatica</i> L.            | water-speedwell             | CE      | SCROPHULARIACEAE | 427000 |
| VERAN   | /        | <i>Veronica</i> cf. <i>anagallis-aquatica</i> L. | w-speedwell                 | CE      | SCROPHULARIACEAE | 428000 |
| VERBE   | -        | <i>Veronica</i> subg. <i>Beccabunga</i> L.       | brooklime                   | E       | SCOPHULARIACEAE  | 425000 |
| VERBE   | !        | <i>Veronica</i> subg. <i>Beccabunga</i> type     | brooklime                   | E       | SCOPHULARIACEAE  | 426000 |
| VERHE   | -        | <i>Veronica hederifolia</i> L.                   | ivy speedwell               | A       | SCROPHULARIACEAE | 430000 |
| VEROF   | -        | <i>Veronica officinalis</i> L.                   | common speedwell            | CD      | SCROPHULARIACEAE | 429000 |
| VIBLAOP | !        | <i>Viburnum lantana/opulus</i>                   | wayfaring-tree/guelder-rose |         | CAPRIFOLIACEAE   | 495600 |
| VIC     | #        | <i>Vicia</i> sp.                                 | vetch                       | CD      | LEGUMINOSAE      | 211000 |
| VIC     | ##/      | cf. <i>Vicia</i> sp.                             | vetch                       | CD      | LEGUMINOSAE      | 212000 |
| VICFA   | -        | <i>Vicia faba</i>                                | celtic bean/horsebean       | FI      | LEGUMINOSAE      | 209900 |
| VICFA   | //       | cf. <i>Vicia faba</i>                            | celtic bean/horsebean       | FI      | LEGUMINOSAE      | 210000 |
| VICHI   | -        | <i>Vicia hirsuta</i> (L.) S.F. Gray              | hairy tare                  | AD      | LEGUMINOSAE      | 206000 |
| VICHI   | //       | cf. <i>Vicia hirsuta</i>                         | hairy tare                  | AD      | LEGUMINOSAE      | 207000 |
| VICLU   | //       | cf. <i>Vicia lutea</i>                           | Yellow vetch                | B       | LEGUMINOSAE      | 209100 |
| VICSA   | !        | <i>Vicia sativa</i> type                         | common vetch                | ABCD    | LEGUMINOSAE      | 209500 |
| VICTE   | -        | <i>Vicia tetrasperma</i> (L.) Schreb.            | smooth tare                 | D       | LEGUMINOSAE      | 208000 |

|         |     |                                  |                    |       |                  |        |
|---------|-----|----------------------------------|--------------------|-------|------------------|--------|
| VICTE   | /   | Vicia cf. tetrasperma            | smooth tare        | D     | LEGUMINOSAE      | 209000 |
| VICTE   | !   | Vicia tetrasperma type           | smooth tare        | D     | LEGUMINOSAE      | 209050 |
| VIO     | #   | Viola sp.                        | violet             | ABCDG | VIOLACEAE        | 78000  |
| VIO     | ##  | Viola spp.                       | violet             | ABCDG | VIOLACEAE        | 78500  |
| VIO     | #/  | cf. Viola sp.                    | violet             | ABCDG | VIOLACEAE        | 79000  |
| VITVI   | _   | Vitis vinifera L.                | vine               | FI    | VITACEAE         | 195000 |
| VITVI   | _F  | Vitis vinifera L.                | vine, fruit        | FI    | VITACEAE         | 195500 |
| VITVI   | //  | cf. Vitis vinifera               | vine               | FI    | VITACEAE         | 196000 |
| VITVI   | //F | cf. Vitis vinifera               | vine, fruit        | FI    | VITACEAE         | 196050 |
| VUL     | #/  | cf. Vulpia sp.                   | fescue             | BD    | GRAMINEAE        | 650000 |
| ZANPA   | _   | Zannichellia palustris L.        | horned pond-weed   | E     | ZANNICHELLIACEAE | 602000 |
| TRIBOMO | !   | Triticum<br>boeoticum/monococcum | wild/cult. einkorn | FI    | GRAMINAE         | 30     |
| TRIMO   | _   | Triticum monococcum              | einkorn            | FI    | GRAMINAE         | 50     |

Additional Plant Codes

| PLANT CODE   | LATIN NAME  |
|--------------|---|
| ACHMI        | ACHILLEA MILLEFOLIUM L.   |
| AGM          | AGRIMONIA   |
| AGREU        | AGRIMONIA EUPATORIUM L.   |
| AJUCH        | AJUGA CHAMAEPITYS<br>SCHREBER   |
| AJURE        | AJUGA REPTANS L.  |
| AJUTEU       | AJUGA/TEUCRIUM  |
| ALNGL        | ALNUS GLUTINOSA GAERTNER  |
| ANG          | ANGELICA  |
| ANT          | ANTHRISCUS  |
| <b>ANTVU</b> | Probably Anthriscus vulgaris. In<br>'quali.tab' for unrecognised site<br>code – LWB87 |
| APH          | APHANES   |
| AVEST        | AVENA STRIGOSA SCHREBER   |
| BETPE        | BETULA PENDULA ROTH   |
| BETU         | BETULACEAE INDET.   |
| BETULA       | Betula  |
| BROLOL       | BROMUS/LOLIUM   |
| BROSE        | BROMUS SECALINUS L.   |
| BRYO         | BRYOPHYTA INDET.  |
| CADCIR       | CARDUUS/ CIRSIIUM   |
| CALVU        | CALLUNA VULGARIS HULL   |
| CENCECA      | Unknown   |
| CHAR         | CHARACEAE   |
| CHEAMA       | CHENOPODIUM/ AMARANTHUS   |
| CHEATR       | CHENOPODIUM/ ATRIPLEX   |
| CHERUGL      | CHENOPODIUM RUBRUM/<br>GLAUCUM  |
| CIRPA        | Probably Cirsium palustre L.  |
| CITLA        | CITRULLUS LANATUS   |
| COCNU        | COCUS NUCIFERA  |
| COPM         | Probably meant to be COMP   |
| CORSQ        | CORONOPUS SQUAMATUS<br>(FSKL)ASCHERSON  |
| CRT          | CERATOPHYLLUM   |
| CYANI        | Unknown   |
| CYP          | CYPERUS   |
| ELAHY        | ELATINE HYDROPIPER  |
| ELESCI       | ELEOCHARIS/ SCIRPUS   |
| EPI          | EPILOBIUM   |
| ERIC         | ERICACEAE   |
| ERICN        | ERICA CINEREA   |
| ERIGR        | Probably Eriophorum gracile Roth  |
| ERIVA        | ERIOPHORUM CF. VAGINATUM  |
| ERYCA        | ERYNGIUM CAMPESTRE L.   |
| EUPCA        | EUPATORIUM CANNABINUM L.  |
| FILULVU      | FILIPENDULA<br>ULMARIA/VULGARIS   |
| FRAEX        | FRAXINUS EXCELSIOR L.   |

|                        |  |
|------------------------|--|
| GLALY                  | Unknown  |
| GRA                    | Possibly meant to be GRAM  |
| GRODE                  | GROENLANDIA Densa FOURR.   |
| GYP                    | GYP SOPHILA  |
| HORLOL                 | HORDEUM/LOLIUM   |
| HORMUSE                | HORDEUM<br>MURINUM/SECALINUM   |
| HORTI                  | Probably meant to be HORTRI  |
| HORVU                  | HORDEUM VULGARE  |
| HPR                    | Appears in quali.tab for an unknown site code = PFSP 86  |
| HYDVU                  | HYDROCOTYLE VULGARIS   |
| IRIPS                  | IRIS PSEUDACORUS   |
| KNAAR                  | KNAUTIA ARVENSIS   |
| LAMAL                  | LAMIUM ALBUM   |
| LAB                    | Probably meant to be LABI  |
| LAT                    | LATHYRUS   |
| LATVIVPIS<br>LATVICPUS | LATHYRUS/VICIA/PISUM –<br>Correct code = LATVICPUS,<br>appears in quali.tab for QPS95, an<br>unrecognised site code. |
| LEG                    | Probably meant to be LEGU  |
| LEGUGRAM               | LEGUMINOSAE/GRAMINEAE  |
| LEO                    | LEONTODON  |
| LOLBRO                 | LOLIUM/BROMUS  |
| LOLF E                 | LOLIUM/FESTUCA   |
| LOT                    | LOTUS  |
| LYCSIL                 | LYCHNIS/SILENE   |
| MEDLOT                 | MEDICAGO/LOTUS   |
| MEDTRI                 | MEDICAGO/TRIFOLIUM   |
| MELAR                  | Either Melilotus arvensis or<br>Melampyrum arvensis. Appears<br>in quali.tab for an unrecognised<br>site code- AV89. |
| MELMEDTRF              | MELILOTUS/MEDICAGO/TRIFOLIUM   |
| MISC                   | Miscellaneous  |
| MYR                    | MYRIOPHYLLUM   |
| MYRAL                  | MYRIOPHYLLUM<br>ALTERNIFLORUM  |
| MYRVE                  | MYRIOPHYLLUM<br>VERTICILLATUM  |
| NASMI                  | NASTURTIUM MICROPHYLLUM  |
| NASOF                  | NASTURTIUM OFFICINALE  |
| OXAST                  | OXALIS STRICTA L.  |
| PAPA                   | PAPAVERACEAE   |
| PAPDU                  | PAPAVER DUBIUM   |
| POLCO                  | POLYGONUM CONVULVULUS L.   |
| POLPEHY                | POLYGONUM<br>PERSICARIA/HYDROPIPER   |
| PRUAM                  | PRUNUS AMYGDALUS BATSCH  |
| PRY                    | Probably meant to be PYR   |
| PTMO                   | POTAMOGETONACEAE INDET.  |



|         |                                  |
|---------|----------------------------------|
| QUE     | QUERCUS                          |
| RANBA   | RANUNCULUS SUBGEN.<br>BATRACHIUM |
| RANU    | RANUNCULACEAE                    |
| RIB     | RIBES                            |
| ROSOF   | ROSMARINUS OFFICINALIS           |
| SAMEB   | SAMBUCUS EBULUS                  |
| SAMNIEB | SAMBUCUS NIGRA/EBULUS            |
| SCAPE   | SCANDIX PECTEN-VENERIS           |
| SCHNI   | SCHOENUS NIGRICANS L.            |
| SCHPA   | Unknown                          |
| SCRO    | SCROPHULARIACEAE                 |
| SERTI   | SERRATULA TINCTORIA L.           |
| SETECH  | SETARIA/ECHINOCHLOA              |
| SIS     | Possibly meant to be SISOF       |
| SPAER   | SPARGANIUM ERECTUM               |
| STECE   | Unknown                          |
| TRIHOR  | TRITICUM/HORDEUM                 |
| TRISEC  | TRITICUM/SECALE                  |
| TRIT    | Probably meant to be TRI         |
| TRP     | TRIPLEUROSPERMUM                 |
| TRPMA   | TRIPLEUROSPERMUM<br>MARITIMUM    |
| TYP     | Possibly meant to be TYPANLAMI   |
| VICER   | VICIA ERVILLIA                   |
| VICI    | VICIEAE INDET.                   |

### 2.2.2 Plant Name Abbreviations

| ABBREVIATIONS | EXPANSION  |
|---------------|--|
| agg           | AGGREGATE  |
| All           | BOTANICAL AUTHOR ABBREVIATION = CARLO ALLIONI                      |
| A.Löve        | BOTANICAL AUTHOR ABBREVIATION = ASKELL LÖVE                        |
| Batsch        | BOTANICAL AUTHOR ABBREVIATION = AUGUST JOHANN GEORG KARL BATSCH    |
| cf            | COMPARES TO  |
| Crantz        | BOTANICAL AUTHOR ABBREVIATION = HEINRICH JOHANN NEPOMUK VON CRANTZ |
| (DC)A         | BOTANICAL AUTHOR ABBREVIATION = AUGUSTIN PYRAMUS DE CANDOLLE       |
| Fr            | BOTANICAL AUTHOR ABBREVIATION = ELIAS MAGNUS FRIES                 |
| gp            | GROUP  |
| Hill          | BOTANICAL AUTHOR ABBREVIATION = JOHN HILL                          |
| Honck         | BOTANICAL AUTHOR ABBREVIATION = GERHARD AUGUST HONCKENY            |
| Huds          | BOTANICAL AUTHOR ABBREVIATION = WILLIAM HUDSON                     |
| Koch          | BOTANICAL AUTHOR ABBREVIATION = JOHANN                             |

|              |  |
|--------------|--|
|              | FRIEDRICH WILHELM KOCH   |
| L            | BOTANICAL AUTHOR ABBREVIATION = CAROLUS LINNAEUS                           |
| M.Bieb       | BOTANICAL AUTHOR ABBREVIATION = FRIEDRICH AUGUST MARSCHALL VON BIEBERSTEIN |
| Medik/ Medic | BOTANICAL AUTHOR ABBREVIATION = FRIEDRICH KASIMIR MEDIKUS/ MEDICUS         |
| Mill         | BOTANICAL AUTHOR ABBREVIATION = PHILLIP MILLER                             |
| Neck         | BOTANICAL AUTHOR ABBREVIATION = NOEL MARTIN JOSEPH DE NECKER               |
| R.Br         | BOTANICAL AUTHOR ABBREVIATION = ROBERT BROWN                               |
| Scop         | BOTANICAL AUTHOR ABBREVIATION = GIOVANNI ANTONIO SCOPOLI                   |
| s.l.         | SENSU LATO – IN A WIDE SENSE   |
| sp           | Species (singular)   |
| spp          | Species (plural)   |
| Vill         | BOTANICAL AUTHOR ABBREVIATION = DOMINIQUE VILLARS                          |

Note: a number of additional botanical author abbreviations appear in 'habitat\_use.tab' and 'seednum.tab' and these have not been documented above. Please consult a recognised list of botanical author abbreviations [e.g. R.K. Brummitt and C.E. Powell (ed) 1992] for the relevant author expansions.

### 2.2.3 Status Codes

These codes reflect the level of confidence in attribute identification.

| CODE | EXPANSION   |
|------|---|
| -    | Definite  |
| !    | More than one possible species  |
| #    | Indication of uncertainty. The more '#' present, the greater the uncertainty. |
| ~    | Can only be identified to family level  |
| /    | Only identified to species level  |
| //   | Multiple application of /   |
| ?    | Informal identification   |
| @    | Indeterminate   |

### 2.2.4 Habitat Use Codes

Note: As a number of species can exist in more than one field, multiple coded entries are permissible in 'habitat\_use' (HU) fields.

| CODE | EXPANSION  |
|------|--|
| A    | WEEDS OF CULTIVATED LAND                             |
| B    | RUDERALS. WEEDS OF WASTE PLACES AND DISTURBED GROUND |
| C    | PLANTS OF WOODS, SCRUB, HEDGEROWS                    |
| D    | OPEN ENVIRONMENT (FAIRLY UNDISTURBED)                |
| E    | PLANTS OF DAMP/WET ENVIRONMENT                       |
| F    | EDIBLE PLANTS  |
| G    | MEDICINAL AND POISONOUS PLANTS                       |
| H    | COMMERCIAL/INDUSTRIAL USE                            |
| I    | CULTIVATED PLANTS                                    |
| K    | OTHERS (E.G. PARASITIC)                              |

### 2.2.5 Soil Type Codes

| CODE   | EXPANSION        |
|--------|------------------|
| LOSA   | LOAMY SAND       |
| SA     | SAND             |
| SACL   | SANDY CLAY       |
| SACLLO | SANDY CLAY LOAM  |
| SALO   | SANDY LOAM       |
| SASILO | SANDY SILT LOAM  |
| SICL   | SILTY CLAY       |
| SICLLO | SILTLY CLAY LOAM |
| SILO   | SILTY LOAM       |
| RU     | RUBBLE           |
| CLLO   | CLAY LOAM        |
| DAER   | DARK EARTH       |
| CL     | CLAY             |
| GR     | GRAVEL           |

### 2.2.6 'Native' Codes

| CODE  | EXPANSION       |
|-------|-----------------|
| im    | INTRODUCED      |
| in    | INTRODUCED      |
| intro | INTRODUCED      |
| N     | No (not native) |
| na    | NATIVE          |
| Y     | Yes (native)    |

### 2.2.7 Estimate Codes

| CODE | EXPANSION |
|------|-----------|
| E    | ESTIMATE  |

|   |             |
|---|-------------|
| E | REAL NUMBER |
|---|-------------|

### 2.2.8 Preservation Mode Codes

| CODE | EXPANSION   |
|------|-------------|
| C    | CHARRED     |
| M    | MINERALISED |
| W    | WATERLOGGED |

### 2.2.9 Seasonal Codes

Note: code expansions in lower case are best deductions only, and should be treated with care.

| CODE | EXPANSION              |
|------|------------------------|
| a    | ANNUAL                 |
| ab   | ANNUAL AND BIENNIAL    |
| an   | ANNUAL                 |
| ap   | ANNUAL AND PERENNIAL   |
| bi   | BIANNUAL               |
| eg   | Evergreen              |
| in   | Invasive weed?         |
| P    | PERENNIAL              |
| PA   | PERENNIAL AND ANNUAL   |
| PB   | PERENNIAL AND BIENNIAL |
| pe   | PERENNIAL              |
| Y    | YES (SEASONAL)         |

### 2.2.10 Extent Codes

| CODE | EXPANSION |
|------|-----------|
| +    | 1-10      |
| ++   | 11-50     |
| +++  | 50-250    |
| ++++ | 250+      |
| 1    | RARE      |
| 2    | MODERATE  |
| 3    | ABUNDANT  |

### 2.2.11 Special Feature Codes

| CODE | EXPANSION  |
|------|------------|
| FGTS | FRAGMENTS  |
| GERM | GERMINATED |

|    |              |
|----|--------------|
| TW | TWISTED      |
| HU | HULLED       |
| ST | STRAIGHT     |
| NA | NAKED        |
| T  | TAIL         |
| UN | UNIDENTIFIED |

Note: files containing the 'Special\_Feature' field may contain additional codes that it has not been possible to identify.

### 2.2.12 Plant Parts Codes

| CODE | EXPANSION     |
|------|---------------|
| AW   | AWN           |
| BY   | BERRY         |
| BN   | BRAN          |
| BD   | BUD           |
| CP   | CAPSULE       |
| CK   | CATKIN        |
| CX   | CLAYX         |
| CO   | COLEOPTILE    |
| CN   | CULM NODE     |
| EC   | ENDOCARP      |
| FL   | FLORET        |
| FW   | FLOWER        |
| FD   | FROND         |
| FR   | FRUIT         |
| GB   | GLUME BASE    |
| GF   | GLUME FAGMENT |
| HD   | SEED HEAD     |
| LF   | LEAF          |
| LG   | LEGUME        |
| LM   | LEMMA         |
| PT   | PLANT TISSUE  |
| R    | RACHIS        |
| SQ   | SILQUA        |
| SK   | SPIKELET      |
| SB   | SPIKELET BASE |
| SF   | SPIKELET FORK |
| ST   | STEMS         |
| SW   | STRAW         |
| TG   | TAIL GRAIN    |
| TP   | TEPAL         |
| TH   | THORN         |
| UT   | UTRICLE       |
| WD   | WOOD          |
| -    | UNSPECIFIED   |
| HL   | HILUM         |
| RT   | ROOT          |

### 2.2.13 References

Brummitt, R. K. and C.E. Powell (ed) (1992). *Authors of Plant Names: A List of Authors of Scientific Names of Plants, with Recommended Standard Forms of Their Names, Including Abbreviations*. London: Royal Botanic Gardens, Kew.

### **3.0 BIG DATABASE**

**THIS FILE CONTAINED NO DATA AND CONSEQUENTLY IS NOT REPRESENTED IN THIS DATA SET.**

## 4.0 SITES DATABASE – TABLES

### 4.1 Tables

#### 4.1.1 asses

| Table: asses    |                      |            |      |       |
|-----------------|----------------------|------------|------|-------|
| Field           | Field Description    | Type       | Size | Flags |
| Sitecode        | Project code         | Char       | 7    | NN,IX |
| Area            | Project area         | Char       | 4    |       |
| Contextno       | Context number       | Signed Int | 5    | NN    |
| No              | Number of boxes      | Char       | 7    |       |
| Size            | Small, Medium, Large | Char       | 6    |       |
| descrip         | Comments             | Char       | 10   |       |
| context_descrip | Context comments     | Char       | 36   |       |
| txt_sct         | Text section         | Signed Int | 5    |       |
| phase           | Project phase        | Char       | 5    |       |

#### 4.1.2 bones

| Table: bones    |  |            |      |       |
|-----------------|--|------------|------|-------|
| Field           | Field Description  | Type       | Size | Flags |
| sitecode        | Project ID   | Char       | 6    | NN,IX |
| area            | Project area   | Char       | 7    | IX    |
| context         | Context number   | Signed Int | 5    | NN,IX |
| sampleno        | Sample number  | Char       | 4    |       |
| feature_type    | Archaeological feature                                       | Char       | 4    |       |
| no_bags         | Number of sample bags  | Signed Int | 5    |       |
| weight          | Weight of sample (default – 0.05)                            | Float      | 6,2  |       |
| Number          | Indication of deposit size                                   | Char       | 1    |       |
| Fragmentation   | Indication of size range the majority of fragments fall into | Char       | 1    |       |
| Recovery        | Method of recovery   | Char       | 1    |       |
| volume_sieved   | Volume sieved  | Float      | 6,1  |       |
| Preservation    | State of preservation  | Char       | 1    |       |
| Mammal          | Indication of deposit size                                   | Char       | 1    |       |
| Bird            | Indication of deposit size                                   | Char       | 1    |       |
| Fish            | Indication of deposit size                                   | Char       | 1    |       |
| small_mamm_amph | Indication of deposit size                                   | Char       | 1    |       |
| marine_shells   | Indication of deposit size                                   | Char       | 1    |       |
| Comment*        | Comments   | Char       | 40   |       |

The field comment originally contained multiple data entries (species and bone codes plus other comments). The original field has been left in place, but has also been atomised (differentiated through the use of numerical suffixes) to facilitate analysis.



4.1.3 bulk

| <b>Table: bulk</b> |   |             |             |              |
|--------------------|---|-------------|-------------|--------------|
| <b>Field</b>       | <b>Field Description</b>                                | <b>Type</b> | <b>Size</b> | <b>Flags</b> |
| sitecode           | Project ID  | Char        | 7           | NN,IX        |
| context            | Context number  | Signed Int  | 5           | NN,IX        |
| sampleno           | Sample number   | Signed Int  | 5           |              |
| subsample          | Sub-sample number                                       | Char        | 1           |              |
| area               | Project area  | Char        | 7           |              |
| volume_processed   | (in litres)   | Float       | 5,2         |              |
| residue_sorted     | (in litres)   | Float       | 5,2         |              |
| Method             | Method of recovery                                      | Char        | 1           |              |
| Process            | Recovery Process  | Char        | 1           |              |
| Mesh               | (in mm)   | Float       | 4,3         |              |
| Mineralised        | Indication of deposit size - abundance                  | Char        | 1           |              |
| Min1               | Mineralized: Indication of deposit size- diversity      | Char        | 1           |              |
| Min1_comm          | Mineralised -comments                                   | Char        | 30          |              |
| waterlogged_seed   | Indication of deposit size - abundance                  | Char        | 1           |              |
| Seed               | Waterlogged seed: Indication of deposit size- diversity | Char        | 1           |              |
| waterlogged_comm   | Waterlogged seed - comments                             | Char        | 30          |              |
| charred_seeds      | Indication of deposit size - abundance                  | Char        | 1           |              |
| ch_seeds           | Charred seeds: Indication of deposit size- diversity    | Char        | 1           |              |
| charred_grain      | Indication of deposit size - abundance                  | Char        | 1           |              |
| ch_grain           | Charred grain: Indication of deposit size- diversity    | Char        | 1           |              |
| charred_chaff      | Indication of deposit size - abundance                  | Char        | 1           |              |
| ch_chaff           | Charred chaff: Indication of deposit size - diversity   | Char        | 1           |              |
| charred_other      | Indication of deposit size - abundance                  | Char        | 1           |              |
| ch_other           | Charred other: Indication of deposit size - diversity   | Char        | 1           |              |
| Charcoal           | Indication of deposit size - abundance                  | Char        | 1           |              |
| charred_comm       | Charred remains - comments                              | Char        | 30          |              |
| Fish               | Indication of deposit size – abundance                  | Char        | 1           |              |

|              |   |      |    |  |
|--------------|---|------|----|--|
| Fis          | Fish:<br>Indication of deposit<br>size - diversity          | Char | 1  |  |
| fish_comm.   | Fish - comments   | Char | 30 |  |
| sm_mam       | Small mammal:<br>Indication of deposit<br>size - abundance  | Char | 1  |  |
| Smmam        | Small mammal:<br>Indication of deposit<br>size (diversity)  | Char | 1  |  |
| Bird         | Indication of deposit<br>size - abundance                   | Char | 1  |  |
| Bir          | Bird:<br>Indication of deposit<br>size - diversity          | Char | 1  |  |
| Mammal       | Indication of deposit<br>size - abundance                   | Char | 1  |  |
| Mam          | Mammal:<br>Indication of deposit<br>size - diversity        | Char | 1  |  |
| bone_comm    | Bone - comments   | Char | 30 |  |
| cop          | Unknown   | Char | 1  |  |
| marine_shell | Indication of deposit<br>size - abundance                   | Char | 1  |  |
| Shell        | Marine shell:<br>Indication of deposit<br>size - diversity  | Char | 1  |  |
| Beetles      | Indication of deposit<br>size - abundance                   | Char | 1  |  |
| Beet         | Beetles:<br>Indication of deposit<br>size - diversity       | Char | 1  |  |
| mites        | Indication of deposit<br>size – abundance?                  | Char | 1  |  |
| mite         | Mites:<br>Indication of deposit<br>size – diversity?        | Char | 1  |  |
| fly_puparia  | Indication of deposit<br>size – abundance?                  | Char | 1  |  |
| fly          | Fly puparia:<br>Indication of deposit<br>size- diversity?   | Char | 1  |  |
| insect_other | Indication of deposit<br>size – abundance?                  | Char | 1  |  |
| ins_other    | Insect other:<br>Indication of deposit<br>size – diversity? | Char | 1  |  |
| insect_comm  | Insect - comments   | Char | 30 |  |
| Molluscs     | Indication of deposit<br>size – abundance                   | Char | 1  |  |
| Mollusc      | Indication of deposit<br>size - diversity                   | Char | 1  |  |
| shell_comm.  | Shell - comments  | Char | 30 |  |
| les          | Unknown   | Char | 10 |  |

|                 |   |       |     |  |
|-----------------|---|-------|-----|--|
| Uthers          | Indication of deposit size – quantity             | Char  | 1   |  |
| Uther           | Indication of deposit size - diversity            | Char  | 1   |  |
| Others          | Indication of deposit size - quantity             | Char  | 1   |  |
| Coprolite       | Indication of deposit size - quantity             | Char  | 1   |  |
| Thers           | Others:<br>Indication of deposit size - diversity | Char  | 1   |  |
| other_comm      | Others - comments                                 | Char  | 30  |  |
| ie              | Comments  | Char  | 10  |  |
| unprocessed     | Volume unprocessed in litres                      | Float | 4,1 |  |
| residue_descrip | Residue description                               | Char  | 40  |  |
| flot_vol        | Flot Volume (mls)                                 | Float | 5,1 |  |
| finds           | Text indicating type of finds present             | Char  | 40  |  |
| residu          | Text description of residue                       | Char  | 40  |  |
| organic_part    | Text description of organic material              | Char  | 40  |  |

#### 4.1.4. context

| <b>Table: context</b> |  |             |             |              |
|-----------------------|--|-------------|-------------|--------------|
| <b>Field</b>          | <b>File Description</b>  | <b>Type</b> | <b>Size</b> | <b>Flags</b> |
| sitecode              | Project ID   | Char        | 7           | NN,IX        |
| context               | Context number   | Signed Int  | 5           | NN,IX        |
| sample_no             | Sample number  | Signed Int  | 5           | IX           |
| area                  | Project area   | Char        | 7           |              |
| zone                  | Project zone   | Char        | 3           |              |
| gridsquare            | Grid square  | Char        | 11          |              |
| phase                 | Text section phase   | Char        | 5           |              |
| groupe                | Text section group   | Char        | 6           |              |
| subgroup              | Level III text section number  | Char        | 5           |              |
| date_prov             | Provisional date   | Char        | 10          |              |
| context_type          | Type of context (includes basic, processual and associational interpretations) | Char        | 15          |              |
| dendro_date           | Dendrochronological date   | Char        | 10          |              |
| ceramic_phase         | Spot date ceramic phase estimate   | Char        | 4           |              |
| sediment_descrip      | Description of Sediment (as per context sheet)                                 | Char        | 30          |              |
| inter1                | Unknown  | Char        | 10          |              |
| inter2                | Unknown  | Char        | 10          |              |

|                 |                         |            |    |  |
|-----------------|-------------------------|------------|----|--|
| comment         | Comments                | Char       | 40 |  |
| human_bone      | Indication of relevance | Char       | 1  |  |
| animal_bone     | Indication of relevance | Char       | 1  |  |
| flotwetsieve    | Indication of relevance | Char       | 1  |  |
| two_10kg        | Indication of relevance | Char       | 1  |  |
| two50g          | Indication of relevance | Char       | 1  |  |
| smlsample       | Indication of relevance | Char       | 1  |  |
| bulk            | Indication of relevance | Char       | 1  |  |
| wood            | Indication of relevance | Char       | 1  |  |
| context_percent | Percentage of context   | Char       | 1  |  |
| sample_vol      | Sample volume           | Signed Int | 5  |  |

#### 4.1.5 flotation

| <b>Table: flotation</b> |                                       |             |             |              |
|-------------------------|---------------------------------------|-------------|-------------|--------------|
| <b>Field</b>            | <b>Field Description</b>              | <b>Type</b> | <b>Size</b> | <b>Flags</b> |
| sitecode                | Project ID                            | Char        | 7           | IX           |
| context                 | Context number                        | Signed Int  | 5           | IX           |
| sampleno                | Sample number                         | Signed Int  | 5           |              |
| subsample               | Sub-sample number                     | Char        | 1           |              |
| flot_volume             | (in ml)                               | Signed Int  | 5           |              |
| charred_seeds_a         | Charred seeds - abundance             | Char        | 1           |              |
| charred_seeds_d         | Charred seeds - diversity             | Char        | 1           |              |
| charred_s_comm*         | Associated comments / identifications | Char        | 30          |              |
| charred_grain_a         | Charred grain - abundance             | Char        | 1           |              |
| charred_grain_d         | Charred grain - diversity             | Char        | 1           |              |
| charred_g_comm*         | Associated comments / identifications | Char        | 30          |              |
| charred_chaff_a         | Charred chaff - abundance             | Char        | 1           |              |
| charred_chaff_d         | Charred chaff - diversity             | Char        | 1           |              |
| charred_c_comm*         | Associated comments / identifications | Char        | 30          |              |
| charcoal_a              | Charcoal - abundance                  | Char        | 1           |              |
| charcoal_d              | Charcoal - diversity                  | Char        | 1           |              |
| charcoal_comm*          | Associated comments / identifications | Char        | 30          |              |
| charred_other_a         | Charred other – abundance             | Char        | 1           |              |
| charred_other_d         | Charred other - diversity             | Char        | 1           |              |
| charred_o_comm*         | Associated comments / identifications | Char        | 30          |              |
| waterlogged_seed_a      | Waterlogged seeds - abundance         | Char        | 1           |              |
| waterlogged_seed_d      | Waterlogged seeds - diversity         | Char        | 1           |              |

|                 |                                       |      |    |  |
|-----------------|---------------------------------------|------|----|--|
| wlogged_s_comm* | Associated comments / identifications | Char | 30 |  |
| wlogged_other_a | Waterlogged other - abundance         | Char | 1  |  |
| wlogged_other_d | Waterlogged other - diversity         | Char | 1  |  |
| wlogged_o_comm* | Associated comments / identifications | Char | 30 |  |
| other1          | Other (1)                             | Char | 10 |  |
| other1_a        | Other - abundance                     | Char | 1  |  |
| other1_d        | Other - diversity                     | Char | 1  |  |
| other1_comm*    | Associated comments / identifications | Char | 30 |  |
| other2          | Other (2)                             | Char | 10 |  |
| other2_a        | Other - abundance                     | Char | 1  |  |
| other2_d        | Other - diversity                     | Char | 1  |  |
| other2_comm*    | Associated comments / identifications | Char | 30 |  |
| coments         | Comments                              | Char | 40 |  |

\* These fields originally contained multiple data entries. The original field has been left in place, but has also been atomised (differentiated through the use of numerical suffixes) to facilitate analysis.

#### 4.1.6 human

| <b>Table: human</b> |                          |             |             |              |
|---------------------|--------------------------|-------------|-------------|--------------|
| <b>Field</b>        | <b>Field Description</b> | <b>Type</b> | <b>Size</b> | <b>Flags</b> |
| sitecode            | Project ID               | Char        | 6           | NN,IX        |
| context             | Context number           | Signed Int  | 5           | NN,IX        |
| area                | Project area             | Char        | 6           | IX           |
| trench              | Trench ID                | Char        | 5           | IX           |
| Skull               | Indication of condition  | Char        | 2           |              |
| Torso               | Indication of condition  | Char        | 2           |              |
| Rarm                | Indication of condition  | Char        | 2           |              |
| Larm                | Indication of condition  | Char        | 2           |              |
| Rleg                | Indication of condition  | Char        | 2           |              |
| Lleg                | Indication of condition  | Char        | 2           |              |
| context_sheet       | Indication of condition  | Char        | 1           |              |
| Age                 | Indication of age        | Char        | 1           |              |
| Comment             | Comments                 | Char        | 40          |              |

#### 4.1.7 human2

| <b>Table: human2</b> |   |             |             |              |
|----------------------|---|-------------|-------------|--------------|
| <b>Field</b>         | <b>Field Description</b>  | <b>Type</b> | <b>Size</b> | <b>Flags</b> |
| sitecode             | Project ID  | Char        | 7           | NN           |
| context              | Context number  | Signed Int  | 10          | NN           |
| con_letter           | Context letter (only to be used in cases where there is more than one body per context) | Char        | 1           |              |
| Skull                | Indication of presence  | Signed Int  | 5           |              |

|           |                         |            |   |  |
|-----------|-------------------------|------------|---|--|
| Torso     | Indication of presence  | Signed Int | 5 |  |
| Pelvis    | Indication of presence  | Signed Int | 5 |  |
| Arms      | Indication of presence  | Signed Int | 5 |  |
| Legs      | Indication of presence  | Signed Int | 5 |  |
| Condition | Indication of condition | Signed Int | 5 |  |

#### 4.1.7 *jbshell*

| <b>Table: <i>jbshell</i></b> |  |             |             |              |
|------------------------------|--|-------------|-------------|--------------|
| <b>Field</b>                 | <b>Field Description</b>                       | <b>Type</b> | <b>Size</b> | <b>Flags</b> |
| sitecode                     | Project ID                                     | Char        | 5           | NN           |
| Unit                         | Archaeological Organisation                    | Char        | 5           | NN           |
| trenchno                     | Trench ID                                      | Signed Int  | 5           |              |
| context                      | Context number                                 | Signed Int  | 10          | NN           |
| sample                       | Sample Number                                  | Signed Int  | 10          |              |
| Pickresi                     | Indication of recovery method                  | Char        | 1           | NN           |
| Oywholes                     | Oyster ( <i>Ostrea edulis</i> ) whole          | Signed Int  | 5           |              |
| Oytops                       | Oyster ( <i>Ostrea edulis</i> ) tops           | Signed Int  | 5           |              |
| Oybots                       | Oyster ( <i>Ostrea edulis</i> ) bottoms        | Signed Int  | 5           |              |
| Oyfrags                      | Oyster ( <i>Ostrea edulis</i> ) fragments      | Char        | 1           |              |
| Carwholes                    | Cockle ( <i>Cardium edule</i> ) whole          | Signed Int  | 5           |              |
| Carhalves                    | Cockle ( <i>Cardium edule</i> ) halves         | Signed Int  | 5           |              |
| Carfrags                     | Cockle ( <i>Cardium edule</i> ) fragments      | Char        | 1           |              |
| Mywholes                     | Mussel ( <i>Mytilus edulis</i> ) wholes        | Signed Int  | 5           |              |
| Myhalves                     | Mussel ( <i>Mytilus edulis</i> ) halves        | Signed Int  | 5           |              |
| Weight                       | (in Kg)  | Float       | 6,2         |              |
| Myfrags                      | Mussel ( <i>Mytilus edulis</i> ) fragments     | Char        | 1           |              |
| Buccinum                     | Buccinum undatum (whelk)                       | Signed Int  | 5           |              |
| Bucfrags                     | Buccinum undatum (whelk) fragments             | Char        | 1           |              |
| Nucella                      | Nucella lapillus (Dog Whelk)                   | Signed Int  | 5           |              |
| Littorea                     | Littorina littorea (Common periwinkle/ winkle) | Signed Int  | 5           |              |
| Littoralis                   | Littorina littoralis (Flat periwinkle)         | Signed Int  | 5           |              |
| Lsaxatilis                   | Littorina saxatilis (Rough periwinkle)         | Signed Int  | 5           |              |
| Others                       |  | Char        | 35          |              |
| Period                       | Archaeological Period:                         | Char        | 2           |              |

|           |  |       |     |  |
|-----------|--|-------|-----|--|
| Sortfield | Special order field – e.g. structure or chapter number | Float | 4,2 |  |
|-----------|--|-------|-----|--|

#### 4.1.8 *justine*

| <b>Table: justine</b> |                                  |             |             |              |
|-----------------------|----------------------------------|-------------|-------------|--------------|
| <b>Field</b>          | <b>Field Description</b>         | <b>Type</b> | <b>Size</b> | <b>Flags</b> |
| sitecode              | Project ID                       | Char        | 5           | NN           |
| species               | Animal species *                 | Char        | 12          | NN           |
| context               | Context number                   | Signed Int  | 10          | NN           |
| bone                  | Bone code                        | Char        | 12          | NN           |
| gl                    | Greatest length                  | Float       | 5,1         |              |
| bp                    | Greatest breadth of proximal end | Float       | 5,1         |              |
| sd                    | Smallest breadth of diaphysis    | Float       | 5,1         |              |
| bd                    | Greatest breadth of distal end   | Float       | 5,1         |              |
| otherjunk             | Other measurements               | Char        | 30          |              |

\* This field contains the Latin name (or a shortened version thereof) for animal species, rather than species codes. See 8.2.2 for the relevant species codes.

#### 4.1.9 *pep*

| <b>Table: pep</b> |  |             |             |              |
|-------------------|--|-------------|-------------|--------------|
| <b>Field</b>      | <b>Field Description</b>   | <b>Type</b> | <b>Size</b> | <b>Flags</b> |
| sitecode          |  | Char        | 7           | NN           |
| context           |  | Signed Int  | 5           |              |
| coord1            | Coordinate 1   | Float       | 5,1         |              |
| coord2            | Coordinate 2   | Float       | 5,1         |              |
| Spit              |  | Char        | 3           |              |
| Grid              |  | Char        | 3           |              |
| Volume            | Volume of sample – litres. Generally rounded to nearest 10 litres (size of bucket) | Signed Int  | 5           |              |
| pot_8mm           | Pottery 8mm – total weight   | Signed Int  | 5           |              |
| bone_8mm          | Bone 8mm – total weight  | Signed Int  | 5           |              |
| bm_8mm            | Building Material 8mm – total weight   | Signed Int  | 5           |              |
| mortar_8mm        | Mortar 8mm – total weight  | Signed Int  | 5           |              |
| res_8mm           | Residue 8mm – total weight   | Signed Int  | 5           |              |
| slag_8mm          | Slag 8mm – total weight  | Signed Int  | 5           |              |
| shell_8mm         | Shell 8mm – total weight   | Signed Int  | 5           |              |
| other_8mm         | Other finds – total weight   | Signed Int  | 5           |              |

|             |                                 |      |    |  |
|-------------|---------------------------------|------|----|--|
| other_type* | Text description of other finds | Char | 20 |  |
| comment     |                                 | Char | 60 |  |

\* These fields originally contained multiple data entries. The original field has been left in place, but has also been atomised (differentiated through the use of numerical suffixes) to facilitate analysis.

#### 4.1.10 sample

| Table: sample   |                        |            |      |       |
|-----------------|------------------------|------------|------|-------|
| Field           | Field Description      | Type       | Size | Flags |
| sitecode        | Project ID             | Char       | 7    | NN    |
| area            | Project area           | Char       | 7    |       |
| gridsq          | Map grid square        | Char       | 11   |       |
| contextno       | Context number         | Signed Int | 5    | NN    |
| sampleno        | Sample number          | Signed Int | 5    |       |
| feature_type    | Archaeological feature | Char       | 10   |       |
| date_prov       | Provisional date       | Char       | 10   |       |
| context_percent | Percentage of context  | Char       | 5    |       |
| comment         | Comments               | Char       | 40   |       |
| soil_sample     | Indication of presence | Char       | 1    |       |
| sample_vol      | Sample volume          | Float      | 7,2  |       |
| flot_wetsieve   | Indication of action   | Char       | 1    |       |
| item_sample     | Indication of presence | Char       | 1    |       |
| wood            | Indication of presence | Char       | 1    |       |
| context_descrip | Context description    | Char       | 36   |       |
| txt_sct         | Text section           | Signed Int | 5    |       |
| phase           | Project phase          | Char       | 6    |       |

#### 4.1.11 sample250gm

| Table: sample250g  |  |            |      |       |
|--------------------|--|------------|------|-------|
| Field              | Field description                      | Type       | Size | Flags |
| sitecode           | Project ID                             | Char       | 7    | NN,IX |
| area               | Project area                           | Char       | 6    |       |
| context            | Context number                         | Signed Int | 5    | NN,IX |
| sampleno           | Sample number                          | Signed Int | 5    |       |
| subsample          | Sub-sample ID                          | Char       | 1    |       |
| volume             | Litres                                 | Float      | 5,2  |       |
| weight             | Kg                                     | Float      | 5,2  |       |
| Insects            | Indication of deposit size - abundance | Char       | 1    |       |
| Insect             | Indication of deposit size - diversity | Char       | 1    |       |
| insect_comm.       | Insects - comments                     | Char       | 30   |       |
| waterlogged_plants | Indication of deposit size - abundance | Char       | 1    |       |
| waterlogged_plant  | Indication of deposit size - diversity | Char       | 1    |       |
| water_comm.*       | Waterlogged plants - comments          | Char       | 30   |       |



|                    |  |      |    |  |
|--------------------|--|------|----|--|
| mineralised_plants | Indication of deposit size - abundance   | Char | 1  |  |
| mineralised_plant  | Indication of deposit size - diversity   | Char | 1  |  |
| mineral_comm.      | Mineralised plants: comments   | Char | 30 |  |
| charred_plants     | Indication of deposit size - abundance   | Char | 1  |  |
| charred_plant      | Indication of deposit size - diversity   | Char | 1  |  |
| charred_comm.*     | Charred plants: comments   | Char | 30 |  |
| mollusc_terr_aquas | Molluscs - freshwater/ terrestrial/ marine: Indication of deposit size - abundance | Char | 1  |  |
| mollusc_terr_aqua  | Indication of deposit size - diversity   | Char | 1  |  |
| mollusc_comm.*     | Molluscs - freshwater/ terrestrial/ marine: comments                               | Char | 30 |  |
| hair_fibres        | Indication of deposit size: abundance?   | Char | 1  |  |
| hair_comm.         | Hair fibres: comments  | Char | 30 |  |
| Coprolites         | Indication of presence   | Char | 1  |  |
| copro_comm.        | Coprolites: comments   | Char | 30 |  |
| Fishes             | Indication of deposit size - abundance   | Char | 1  |  |
| Fish               | Indication of deposit size - diversity   | Char | 1  |  |
| fish_comm.*        | Fish - comments  | Char | 30 |  |
| small_mammals      | Indication of deposit size - abundance   | Char | 1  |  |
| small_mammal       | Indication of deposit size - diversity   | Char | 1  |  |
| small_comm.        | Small mammals: comments  | Char | 30 |  |
| Others             | Other remains: Indication of deposit size - abundance                              | Char | 12 |  |
| Other              | Indication of deposit size - diversity   | Char | 1  |  |
| Othe               | Other remains: comments  | Char | 1  |  |
| other_comm.*       | Other general comments   | Char | 30 |  |
| subsample1         | Indication of sample composition   | Char | 1  |  |
| subsample2         | Indication of sample composition   | Char | 1  |  |
| subsample3         | Indication of sample composition   | Char | 1  |  |
| Discard            | Indication of discard policy   | Char | 1  |  |

|         |          |      |    |  |
|---------|----------|------|----|--|
| Coments | Comments | Char | 40 |  |
|---------|----------|------|----|--|

\* These fields originally contained multiple data entries. The original field has been left in place, but has also been atomised (differentiated through the use of numerical suffixes) to facilitate analysis.

#### 4.1.12 Smalsample

| <b>Table: smalsample</b> |                             |             |             |              |
|--------------------------|-----------------------------|-------------|-------------|--------------|
| <b>Field</b>             | <b>Field Description</b>    | <b>Type</b> | <b>Size</b> | <b>Flags</b> |
| sitecode                 | MoL site code               | Char        | 7           | NN,IX        |
| context                  |                             | Signed Int  | 5           | NN,IX        |
| area                     |                             | Char        | 7           |              |
| sampleno                 | Sample number               | Signed Int  | 5           |              |
| subsample                |                             | Char        | 1           |              |
| volume                   |                             | Float       | 5,1         |              |
| weight                   |                             | Float       | 5,1         |              |
| diatoms                  | Diatoms: sampled for        | Char        | 1           |              |
| diat                     | Diatoms: sample sent        | Date        | 10          |              |
| dia                      | Diatoms: report received    | Date        | 10          |              |
| parsites                 | Parasites: sampled for      | Char        | 1           |              |
| pars                     | Parasites: sample sent      | Date        | 10          |              |
| par                      | Parasites: report received  | Date        | 10          |              |
| pollen                   | Pollen: sampled for         | Char        | 1           |              |
| poll                     | Pollen: sample sent         | Date        | 10          |              |
| pol                      | Pollen: report received     | Date        | 10          |              |
| phytoliths               | Phytoliths: sampled for     | Char        | 1           |              |
| phyt                     | Phytoliths: sample sent     | Date        | 10          |              |
| phy                      | Phytoliths: report received | Date        | 10          |              |
| other                    | Other: sampled for          | Char        | 20          |              |
| othe                     | Other: sample sent          | Date        | 10          |              |
| oth                      | Other: report received      | Date        | 10          |              |
| commts                   | Comments                    | Char        | 40          |              |

## 4.2 Sites codes

For Botany, Animal Bone and Extent codes please see appropriate sections of this document.

### 4.2.1 *Period*

In addition to the broad chronological codes detailed in Section 9.2, the 'Site' database files also include other non-standard chronological codes/ abbreviations. These codes and abbreviations should all be self-explanatory, but please contact the LAARC Archaeological Records (Digital) Officer if you require any assistance.

The following code expansions refer to the tables specified:

### 4.2.2 *Bones table*

| FIELD   | CODE | EXPANSION       |
|---|------|-----------------|
| Number;<br>Mammal;<br>Bird;<br>Fish;<br>Small_mamm_amph;<br>Marine shells | 0    | 0               |
|   | 1    | 1-10            |
|   | 2    | 11-100          |
|   | 3    | >100            |
| Fragmentation   | 1    | <2.5CM          |
|   | 2    | 2.5 TO 7.5CM    |
|   | 3    | >7.5CM          |
| Recovery  | 1    | HAND EXCAVATION |
|   | 2    | WET SIEVED      |
|   | 3    | DRY SIEVED      |
| Preservation  | 1    | GOOD            |
|   | 2    | MEDIUM          |
|   | 3    | POOR            |

### 4.2.3 *Bulk table*

| FIELD  | CODE | EXPANSION |
|--|------|-----------|
| Method   | 1    | TANK      |
|  | 2    | BUCKET    |
|  | 3    | Both?     |
| Process  | 1    | FLOTATION |
|  | 2    | WET SIEVE |
|  | 3    | BOTH      |
| All 'abundance'<br>fields (see 4.1.3<br>above) | 0    | 0         |
|  | 1    | 1-10      |
|  | 2    | 11-100    |
|  | 3    | >100      |
| All 'diversity' fields<br>(see 4.1.3 above)    | 0    | 0         |
|  | 1    | 1-3       |
|  | 2    | 4-10      |
|  | 3    | 11-50     |
|  | 4    | >50       |

#### 4.2.4 Context table

The table 'context.tab' includes the field 'context\_type'. This field presents basic, processual and associational interpretations, generally in a coded format (in some cases the context type is written out in full). Codes for the various interpretation levels are provided below.

##### *Basic interpretation*

Note: the codes in the first table prefix the relevant context number. E.g, if context 100 is a structural cut, this would appear in the data as 'S100'.

| CODE | EXPANSION   |
|------|---|
| C    | COFFIN  |
| D    | DITCH/ DRAIN/ GULLY/ SEWER/ CULVERT/<br>WATER SUPPLY PIPE/ DRAIN PIPE |
| F    | FURNACE/ HEARTH/ KILN/ OVEN   |
| G    | GRAVE   |
| K    | SKELETON  |
| P    | PIT, UNSPECIFIED  |
| Pc   | PIT, CESS   |
| Pi   | PIT, INDUSTRIAL   |
| Pq   | PIT, QUARRY   |
| Pr   | PIT, REFUS E  |
| S    | STRUCTURAL CUT  |
| Sn   | NON-STRUCTURAL CUT  |
| W    | WELL  |

Many contexts can be identified by one or two letters, all in lower case:

| CODE | EXPANSION  |
|------|--|
| cd   | CONSTRUCTION DEBRIS  |
| db   | DESTRUCTION DEBRIS - REDEPOSITED                                   |
| ds   | DESTRUCTION DEBRIS – IN-SITU                                       |
| eb   | EXTERNAL BANK  |
| ec   | EXTERNAL, CULTIVATION  |
| ed   | EXTERNAL DUMP  |
| eo   | EXTERNAL OCCUPATION  |
| er   | EXTERNAL REDEPOSITED OR DISTURBED<br>NATURAL                       |
| es   | EXTERNAL SURFACE   |
| eu   | EXTERNAL, UNSPECIFIED  |
| fl   | FLOOR  |
| he   | HEARTH/ OPEN FIRE  |
| me   | MECHANICAL FIXTURES AND FITTINGS:<br>MACHINERY/ WIRING/ GAS PIPING |
| mu   | MAKE UP/ LEVELLING   |

|    |   |
|----|---|
| n  | NATURAL STRATA, UNSPECIFIED   |
| na | NATURAL AEOLIAN DEPOSITS  |
| nc | NATURAL ALLUVIAL CHANNEL DEPOSITS                                       |
| ne | NATURAL EROSIONAL FEATURE   |
| nf | NATURAL FORESHORE DEPOSIT   |
| nm | NATURAL MARSH DEPOSIT   |
| no | NATURAL ALLUVIAL OVERBANK   |
| ns | NATURAL SOIL , UNSPECIFIED  |
| oc | OCCUPATION DEBRIS   |
| ps | POSITIVE STRUCTURAL FEATURE, NOT WALL:<br>STEPS/ POST-PAD/ PIER/ COLUMN |
| ro | ROOF/ CEILING   |
| se | SURFACE EROSION (INTERFACE OR CUT)                                      |
| so | STRUCTURAL OPENING: DOOR/ WINDOW/<br>ARCH                               |
| st | STRUCTURAL TIMBER   |
| ti | TIMBER  |
| wa | WALL / SILL   |
| ws | WORKED STONE. NOT IN SITU   |

*Processual (Basic) Interpretation*

| CODE | EXPANSION                    |
|------|------------------------------|
| c    | CONSTRUCTION                 |
| u    | USE                          |
| d    | DISUSE                       |
| cu   | CONSTRUCTION AND USE         |
| ud   | USE AND DISUSE               |
| cd   | CONSTRUCTION AND DISUSE      |
| cud  | CONSTRUCTION, USE AND DISUSE |

*Associational Interpretation*

Note: the codes in the table below are followed by a serial number according to their sequence in the archive report. For buildings, the appropriate room letters are also added. For example, Building 8, Room A would be 'B9rA'.

| CODE | EXPANSION   |
|------|---|
| B    | BUILDING  |
| OA   | OPEN AREA   |
| R    | ROAD/ ALLEY/ STREET   |
| S    | STRUCTURE, NOT A BUILDING: FENCE/ LEAN-<br>TO/ FREE-STANDING WALL/ RETAINING WALL |
| W    | WATERFRONT  |

*Processual (Associational) Interpretation*

| CODE | EXPANSION    |
|------|--------------|
| c    | CONSTRUCTION |
| u    | USE          |
| d    | DISUSE       |

Some explanatory examples of context types from the 'context.tab' table:

- D51, ud, OA2: Ditch, context 51, use/ disuse, Open Area (2 in the report)
- Pr655uOA6: Pit- refuse, context 655, use, Open Area (6 in the report)
- S1800,u,B3rA,u: Structural cut, context 1800, use, Building (3 in the report), Room A, use
- ed,cud,oa10: External dump, construction, use and disuse, Open Area (10 in the report)

#### 4.2.5 Flotation table

| FIELD(S)   | CODE | EXPANSION    |
|--|------|--------------|
| charred_seed_a;<br>charred_grain_a;<br>charred_chaff_a;<br>charred_other_a;<br>charcoal_a<br>waterlogged_seed_a;<br>waterlogged_other_a;<br>other1_a;<br>other2_a  | 1    | OCCASSIONAL  |
| As above   | 2    | MODERATE     |
| As above   | 3    | ABUNDANT     |
| charred_seed_d;<br>charred_grain_d;<br>charred_chaff_d;<br>charred_other_d;<br>charcoal_d;<br>waterlogged_seed_d;<br>waterlogged_other_d;<br>other1_d;<br>other2_d | 1    | LOW          |
| As above   | 2    | INTERMEDIATE |
| As above   | 3    | HIGH         |

#### 4.2.6 Human table

| FIELD   | CODE        | EXPANSION   |
|---|-------------|---|
| Skull;<br>Torso;<br>Rarm;<br>Larm;<br>Rleg;<br>Lleg | 0<br>1<br>2 | NOT PRESENT<br>WASHED<br>ON CONTEXT SHEET BUT NO SPECIMEN |
| Context_sheet                                       | 0           | NO CONTEXT SHEET  |
| Age   | A<br>I<br>J | ADULT<br>INFANT<br>JUVENILLE                              |

#### 4.2.7 Human2

| FIELD   | CODE   | EXPANSION  |
|---|--------|--|
| Skull; Torso;<br>Pelvis; Arms;<br>Legs; Condition | 0<br>1 | ABSENT<br>PRESENT  |
| Arms  | 1      | PRESENT  |
| Condition   | 1      | GOOD:<br>Bone surface is in good condition with no erosion, fine surface detail such as coarse woven bone deposition would be clearly visible (if present) to the naked eye.<br>Moderate<br>Poor |
|   | 2      | MODERATE:<br>Bone surface is in moderate condition with some post-mortem erosion on long bone shafts but the margins of articular surfaces are eroded and some prominences are eroded            |
|   | 3      | POOR:<br>Bone surface is in poor condition with extensive post-mortem erosion resulting in pitted and eroded cortical surfaces and long bones with articular surfaces missing or severely eroded |

#### 4.2.8 jshell

| FIELD  | CODE        | EXPANSION                                |
|--|-------------|--|
| Pickresi                                       | H<br>R<br>U | HAND SORTED<br>SAMPLE RESIDUE<br>UNKNOWN |
| Bucfrags;<br>Carfrags;<br>Myfrags;<br>Oyfrags; | N<br>Y      | NO<br>YES                                |

|        |    |               |
|--------|----|---------------|
| Period | P  | PREHISTORIC   |
|        | R  | ROMAN         |
|        | S  | SAXON         |
|        | M  | MEDIEVAL      |
|        | PM | POST MEDIEVAL |

#### 4.2.9 Justine

The 'otherjunk' field in justine.tab includes further codes for standard bone measurements. Expansions for these additional codes are provided below.

| CODE  | EXPANSION                                     |
|-------|---|
| BB    | GREATEST BASAL BREADTH                        |
| BF    | BREADTH OF BASAL ARTICULAR SURFACE            |
| BPC   | GREATEST BREADTH ACROSS THE CORONOID PROCESS  |
| BT    | BREADTH OF TROCHLEA                           |
| DC    | GREATEST DEPTH OF CAPUT FEMORIS               |
| DD    | GREATEST DEPTH OF THE DISTAL END              |
| DIC   | GREATEST CRANIAL DIAGONAL                     |
| DID   | GREATEST DIAGONAL OF THE DISTAL END           |
| DIP   | GREATEST DIAGONAL OF PROXIMAL END             |
| DLS   | GREATEST DIAGONAL LENGTH OF THE SOLE          |
| GB    | GREATEST BREADTH OF CALCANEUM                 |
| GH    | GREATEST HEIGHT - HORSE ASTRAGALUS            |
| GL(C) | GREATEST LENGTH FROM CAPUT FEMORIS            |
| GLL   | GREATEST LENGTH OF LATERAL HALF OF ASTRAGALUS |
| LD    | LENGTH OF THE DORSAL SURFACE                  |
| LEP   | Unknown                                       |
| LI    | Unknown                                       |
| LL    | LATERAL LENGTH                                |
| LM    | MEDIAL LENGTH                                 |
| LO    | Olecranon length                              |
| MBS   | MIDDLE BREADTH OF THE SOLE                    |

#### 4.2.10 sample250g



| FIELD  | CODE                  | EXPANSION   |
|--|-----------------------|---|
| Insect;<br>Waterlogged_plants;<br>Mineralised_plants;<br>Charred_plants;<br>Mollusc_terr_aquas;<br>Fishes;<br>Small_mammals;<br>Others | 0<br>1<br>2<br>3      | 0<br>1-10<br>11-100<br>>100                       |
| Insect;<br>Waterlogged_plant;<br>Mineralised_plant;<br>Charred_plant;<br>Mollusc_terr_aqua;<br>Fish;<br>Small_mammal;<br>Other         | 0<br>1<br>2<br>3<br>4 | 0<br>1-3<br>4-10<br>11-50<br>>50                  |
| Hair_fibres  | 0<br>1<br>2           | 0?<br>1-10?<br>11-100?                            |
| Coprolites   | 0<br>1                | ABSENT<br>PRESENT                                 |
| Subsample1;<br>Subsample2;<br>Subsample3   | D<br>F<br>O<br>P      | DIATOMS<br>FORAMINIFERA<br>OSTRACODS<br>PARASITES |
| Discard  | N<br>Y<br>K           | NOT DISCARDED<br>(KEPT)<br>DISCARDED<br>Kept?     |

## 5.0 CAT DATABASE – TABLES

The data contained in the tables associated with the CAT section of the Informix database pertain to small scale personal projects and consequently are not included in the dissemination version of this dataset.

#### **6.0 SOIL\_SAMP DATABASE - TABLES**

This table contains store locations for soil samples and consequently is not included in this dissemination version.

#### **7.0 DUADDEV DATABASE - TABLES**

This table contains project funding details and consequently is not included in this dissemination version.

## 8.0 BONES DATABASE – TABLES

### 8.1 Tables

#### 8.1.1 *bone*

| Table: bone |                   |            |      |       |
|-------------|-------------------|------------|------|-------|
| Field       | Field Description | Type       | Size | Flags |
| boneno      | Bone number       | Signed Int | 10   | NN    |
| sitecode    | MoL site code     | Char       | 6    | NN    |
| species     |                   | Char       | 4    | NN    |
| contextno   | Context Number    | Signed Int | 10   | NN    |
| bone        |                   | Char       | 5    | NN    |
| number      |                   | Signed Int | 5    | NN    |
| weight      |                   | Float      | 6,1  |       |
| part        |                   | Char       | 5    |       |
| sex         |                   | Char       | 1    |       |
| age         |                   | Char       | 2    |       |
| side        |                   | Char       | 1    |       |
| sample      |                   | Char       | 1    |       |
| anal_grp    | Analytical group  | Char       | 5    |       |

#### 8.1.2 *bone\_epi*

| Table: bone_epi |                     |            |      |       |
|-----------------|---------------------|------------|------|-------|
| Field           | Field Description   | Type       | Size | Flags |
| sitecode        | MoL site code       | Char       | 6    |       |
| contextno       | Context Number      | Signed int | 10   |       |
| species         |                     | Char       | 4    |       |
| bone            |                     | Char       | 5    |       |
| proxepi         | Proximal Epiphysis  | Char       | 1    |       |
| distepi         | Distal Epiphysis    | Char       | 1    |       |
| antepi          | Anterior Epiphysis  | Char       | 1    |       |
| postepi         | Posterior Epiphysis | Char       | 1    |       |

#### 8.1.3 *butch*

| Table: butch |                      |            |      |       |
|--------------|----------------------|------------|------|-------|
| Field        | Field Description    | Type       | Size | Flags |
| boneno       | Bone number          | Signed Int | 10   | NN,IX |
| butchdescrip | Butchery Description | Char       | 16   |       |
| burndescrip  | Burn Description     | Char       | 5    |       |
| gnawdescrip  | Gnaw Description     | Char       | 5    |       |

#### 8.1.4 *epiage*

| Table: epiage |                    |            |      |       |
|---------------|--------------------|------------|------|-------|
| Field         | Field Description  | Type       | Size | Flags |
| boneno        | Bone Number        | Signed Int | 10   | NN    |
| proxepi       | Proximal Epiphysis | Char       | 1    |       |

|         |                     |      |   |  |
|---------|---------------------|------|---|--|
| distepi | Distal Epiphysis    | Char | 1 |  |
| antepi  | Anterior Epiphysis  | Char | 1 |  |
| postepi | Posterior Epiphysis | Char | 1 |  |

### 8.1.5 *jlewis*

| Table: <i>jlewis</i> |                      |            |      |       |
|----------------------|----------------------|------------|------|-------|
| Field                | Field Description    | Type       | Size | Flags |
| catno1               | ?                    | Signed Int | 10   |       |
| fbn1                 | ?                    | Signed Int | 10   |       |
| spec                 | Species              | Char       | 4    |       |
| bone                 |                      | Char       | 5    |       |
| nob                  | ?                    | Signed Int | 10   |       |
| part                 |                      | Char       | 5    |       |
| age                  |                      | Char       | 2    |       |
| s                    | side                 | Char       | 1    |       |
| butchdescrip         | Butchery Description | Char       | 16   |       |
| burndescrip          | Burn Description     | Char       | 5    |       |
| proxepi              | Proximal Epiphysis   | Char       | 1    |       |
| distepi              | Distal Epiphysis     | Char       | 1    |       |
| antepi               | Anterior Epiphysis   | Char       | 1    |       |
| weight               |                      | Float      | 6,1  |       |
| postepi              | Posterior Epiphysis  | Char       | 1    |       |

### 8.1.6 *jon\_bone*

| Table: <i>jon_bone</i> |                   |            |      |       |
|------------------------|-------------------|------------|------|-------|
| Field                  | Field Description | Type       | Size | Flags |
| catno                  | ?                 | Signed Int | 10   |       |
| boneno                 | Bone Number       | Signed Int | 10   |       |
| species                |                   | Char       | 6    |       |
| bone                   |                   | Char       | 6    |       |
| number                 |                   | Signed Int | 10   |       |
| part                   |                   | Char       | 6    |       |
| age                    |                   | Char       | 4    |       |
| side                   |                   | Char       | 4    |       |

### 8.1.7 limbmeas

Note: the table 'limbmeas' contains bone measurements recorded following Von den Driesch (1976).

For 'limbmeas', there are a total of 16 measurement fields. GLEAS staff devised a recording system whereby the measurements specified in Von den Driesch (1976) for each individual bone of various species were assigned a sequential number. Most limb bones have up to 10 measurements, but this table has a maximum of 16 measurement fields – there are 16 measurements for the innominate (**spp?- need to check**) and this table also includes some skulls and mandibles, the measurements for which continue in 'skullmeas.tab'.

| Table: limbmeas |                   |            |      |       |
|-----------------|-------------------|------------|------|-------|
| Field           | Field Description | Type       | Size | Flags |
| boneno          | Bone Number       | Signed Int | 10   | NN,IX |
| meas1           |                   | Float      | 6,1  |       |
| meas2           |                   | Float      | 6,1  |       |
| meas3           |                   | Float      | 6,1  |       |
| meas4           |                   | Float      | 6,1  |       |
| meas5           |                   | Float      | 6,1  |       |
| meas6           |                   | Float      | 6,1  |       |
| meas7           |                   | Float      | 6,1  |       |
| meas8           |                   | Float      | 6,1  |       |
| meas9           |                   | Float      | 6,1  |       |
| meas10          |                   | Float      | 6,1  |       |
| meas11          |                   | Float      | 6,1  |       |
| meas12          |                   | Float      | 6,1  |       |
| meas13          |                   | Float      | 6,1  |       |
| meas14          |                   | Float      | 6,1  |       |
| meas15          |                   | Float      | 6,1  |       |
| meas16          |                   | Float      | 6,1  |       |

### 8.1.8 measpig

This table contains pig limb bone measurements for one site only - MAI86 (21-22 MAIDEN LANE, WC2, WESTMINSTER). The measurements were recorded following von den Driesch (1976). As noted above, GLEAS staff devised a recording system whereby the measurements specified in Von den Driesch (1976) for each individual bone of various species were assigned a sequential number. In the table below, there are 10 measurement fields, as there were a maximum of 10 measurements that could be recorded for the pig limb bones analysed.

Please note that all MAI86 pig limb bones were measured, including those of juveniles. Unfortunately no detailed information has been recovered at this stage which details exactly how the juvenile measurements were recorded, given that the measurements of von den Driesch are taken between specified points on the bone, some or all of which may not be present on an unfused bone.

| Table: measpig |                   |            |      |       |
|----------------|-------------------|------------|------|-------|
| Field          | Field Description | Type       | Size | Flags |
| boneno         | Bone number       | Signed Int | 10   |       |
| contextno      | Context number    | Signed Int | 10   |       |
| bone           |                   | Char       | 4    |       |

|         |                    |       |     |  |
|---------|--------------------|-------|-----|--|
| meas1   |                    | Float | 6,1 |  |
| meas2   |                    | Float | 6,1 |  |
| meas3   |                    | Float | 6,1 |  |
| meas4   |                    | Float | 6,1 |  |
| meas5   |                    | Float | 6,1 |  |
| meas6   |                    | Float | 6,1 |  |
| meas7   |                    | Float | 6,1 |  |
| meas8   |                    | Float | 6,1 |  |
| meas9   |                    | Float | 6,1 |  |
| meas10  |                    | Float | 6,1 |  |
| proxepi | Proximal Epiphysis | Char  | 1   |  |
| distepi | Distal Epiphysis   | Char  | 1   |  |

### 8.1.9 pathrem

| Table: pathrem |                              |            |      |       |
|----------------|------------------------------|------------|------|-------|
| Field          | Field Description            | Type       | Size | Flags |
| boneno         | Bone number                  | Signed Int | 10   | NN,IX |
| path           | Pathology                    | Char       | 2    |       |
| nonmet         | Non-metrical characteristics | Char       | 5    |       |
| remark         | Pathology remark             | Char       | 200  |       |

### 8.1.10 scan1

Note: tables 'scan1', 'scan2' and 'scan3' contain data from sites where the animal bone was recorded using the scanning method. See 'The Animal Bone' by Barbara West in Milne and Wardle (1993: 67) for further detail on the scanning method.

| Table: scan1 |                           |            |      |       |
|--------------|---------------------------|------------|------|-------|
| Field        | Field Description         | Type       | Size | Flags |
| sitecode     | MoL site code             | Char       | 7    | NN,IX |
| contextno    | Context Number            | Signed int | 5    | NN,IX |
| species      |                           | Char       | 5    | NN,IX |
| hornc1       | Weight for horncore       | Signed Int | 5    |       |
| head1        | Weight for head           | Signed Int | 5    |       |
| vertrib1     | Weight for vert_rib       | Signed Int | 5    |       |
| upper1       | Weight for upperlimb      | Signed Int | 5    |       |
| lower1       | Weight for lowerlimb      | Signed Int | 5    |       |
| mtp_ct1      | Weight for mtp_cartar     | Signed Int | 5    |       |
| phal_ses1    | Weight for phal_dses      | Signed Int | 5    |       |
| lbf1         | Weight for lbf            | Signed Int | 5    |       |
| horncore     | Horncores and antlers     | Char       | 1    |       |
| head         | Skull, mandible and teeth | Char       | 1    |       |

|            |   |            |    |  |
|------------|---|------------|----|--|
| vert_rib   | Vertebrae and ribs                                | Char       | 1  |  |
| upperlimb  | Scapula, humerus, innominate, femur               | Char       | 1  |  |
| lowerlimb  | Radius, ulna, tibia, fibula, patella              | Char       | 1  |  |
| mtp_cartar | Metapodials, carpals, tarsals                     | Char       | 1  |  |
| phal_dses  | Phalanges & distal sesamoids relating to the toes | Char       | 1  |  |
| lbf        | Long bone fragment                                | Char       | 1  |  |
| neonates   |   | Char       | 1  |  |
| infant     |   | Char       | 1  |  |
| weight     | Total weight                                      | Signed Int | 5  |  |
| comment    |   | Char       | 40 |  |
| anal_grp   | Analytical group                                  | Char       | 5  |  |

### 8.1.11 scan2

| Table: scan2 |                      |            |      |       |
|--------------|----------------------|------------|------|-------|
| Field        | Field Description    | Type       | Size | Flags |
| sitecode     | MoL site code        | Char       | 7    | NN,IX |
| contextno    | Context Number       | Signed Int | 5    | NN,IX |
| species      |                      | Char       | 5    | NN,IX |
| dp1          | Deciduous premolar 1 | Char       | 2    |       |
| dp2          | Deciduous premolar 2 | Char       | 2    |       |
| dp3          | Deciduous premolar 3 | Char       | 2    |       |
| dp4          | Deciduous premolar 4 | Char       | 2    |       |
| p4           | Premolar 4           | Char       | 2    |       |
| m1           | Molar 1              | Char       | 2    |       |
| m2           | Molar 2              | Char       | 2    |       |
| m3           | Molar 3              | Char       | 2    |       |
| sex          |                      | Char       | 1    |       |

### 8.1.12 scan3

This table contains bone measurements recorded following von den Driesch (1976). As noted previously, GLEAS staff devised a recording system whereby the measurements specified in Von den Driesch (1976) for each individual bone of various species were assigned a sequential number. In the table below, there are a total of 28 measurement fields, as cranial bones are also included (skull, mandible). It has not been confirmed why there are no measurements 18, 19, 20, 21, 24, 25 or 26.

| Table: scan3 |                   |            |      |       |
|--------------|-------------------|------------|------|-------|
| Field        | Field Description | Type       | Size | Flags |
| sitecode     | MoL site code     | Char       | 7    | NN,IX |
| contextno    | Context Number    | Signed Int | 5    | NN,IX |
| species      |                   | Char       | 5    | NN,IX |
| bone         |                   | Char       | 5    | NN    |
| sex          |                   | Char       | 2    |       |
| meas1        |                   | Float      | 6,1  |       |
| meas2        |                   | Float      | 6,1  |       |
| meas3        |                   | Float      | 6,1  |       |
| meas4        |                   | Float      | 6,1  |       |
| meas5        |                   | Float      | 6,1  |       |
| meas6        |                   | Float      | 6,1  |       |
| meas7        |                   | Float      | 6,1  |       |
| meas8        |                   | Float      | 6,1  |       |
| meas9        |                   | Float      | 6,1  |       |
| meas10       |                   | Float      | 6,1  |       |
| meas11       |                   | Float      | 6,1  |       |
| meas12       |                   | Float      | 6,1  |       |
| meas13       |                   | Float      | 6,1  |       |
| meas14       |                   | Float      | 6,1  |       |
| meas15       |                   | Float      | 6,1  |       |
| meas16       |                   | Float      | 6,1  |       |
| meas17       |                   | Float      | 6,1  |       |
| meas22       |                   | Float      | 6,1  |       |
| meas23       |                   | Float      | 6,1  |       |
| meas27       |                   | Float      | 6,1  |       |
| meas28       |                   | Float      | 6,1  |       |

### 8.1.13 skullmeas

This table contains the remaining measurements for the cranial bones recorded in the table 'limbmeas'. As with the other tables containing measurement data, the system of applying a sequential number to each of the Von den Driesch cranial bone measurements applies.

'Skullmeas' has a total of 32 measurement fields, continuing on from the 'limbmeas' table with 'meas17' and going through to 'meas48'.

| Table: skullmeas |                            |            |      |       |
|------------------|----------------------------|------------|------|-------|
| Field            | Field Description          | Type       | Size | Flags |
| boneno           | Bone number                | Signed Int | 10   | NN,IX |
| meas17           | See von den Driesch (1976) | Float      | 6,1  |       |
| meas18           | See von den Driesch (1976) | Float      | 6,1  |       |
| meas19           | See von den Driesch (1976) | Float      | 6,1  |       |
| meas20           | See von den Driesch (1976) | Float      | 6,1  |       |
| meas21           | See von den Driesch (1976) | Float      | 6,1  |       |
| meas22           | See von den Driesch (1976) | Float      | 6,1  |       |



|        |                            |       |     |  |
|--------|----------------------------|-------|-----|--|
| meas23 | See von den Driesch (1976) | Float | 6,1 |  |
| meas24 | See von den Driesch (1976) | Float | 6,1 |  |
| meas25 | See von den Driesch (1976) | Float | 6,1 |  |
| meas26 | See von den Driesch (1976) | Float | 6,1 |  |
| meas27 | See von den Driesch (1976) | Float | 6,1 |  |
| meas28 | See von den Driesch (1976) | Float | 6,1 |  |
| meas29 | See von den Driesch (1976) | Float | 6,1 |  |
| meas30 | See von den Driesch (1976) | Float | 6,1 |  |
| meas31 | See von den Driesch (1976) | Float | 6,1 |  |
| meas32 | See von den Driesch (1976) | Float | 6,1 |  |
| meas33 | See von den Driesch (1976) | Float | 6,1 |  |
| meas34 | See von den Driesch (1976) | Float | 6,1 |  |
| meas35 | See von den Driesch (1976) | Float | 6,1 |  |
| meas36 | See von den Driesch (1976) | Float | 6,1 |  |
| meas37 | See von den Driesch (1976) | Float | 6,1 |  |
| meas38 | See von den Driesch (1976) | Float | 6,1 |  |
| meas39 | See von den Driesch (1976) | Float | 6,1 |  |
| meas40 | See von den Driesch (1976) | Float | 6,1 |  |
| meas41 | See von den Driesch (1976) | Float | 6,1 |  |
| meas42 | See von den Driesch (1976) | Float | 6,1 |  |
| meas43 | See von den Driesch (1976) | Float | 6,1 |  |
| meas44 | See von den Driesch (1976) | Float | 6,1 |  |
| meas45 | See von den Driesch (1976) | Float | 6,1 |  |
| meas46 | See von den Driesch (1976) | Float | 6,1 |  |
| meas47 | See von den Driesch (1976) | Float | 6,1 |  |
| meas48 | See von den Driesch (1976) | Float | 6,1 |  |

### 8.1.14 toothage

| Table: toothage |                   |            |      |       |
|-----------------|-------------------|------------|------|-------|
| Field           | Field description | Type       | Size | Flags |
| boneno          | Bone number       | Signed Int | 10   | NN,PK |
| pm2             | Premolar 2        | Char       | 2    |       |
| pm3             | Premolar 3        | Char       | 2    |       |
| pm4             | Premolar 4        | Char       | 2    |       |
| m1              | Molar 1           | Char       | 2    |       |
| m2              | Molar 2           | Char       | 2    |       |
| m3              | Molar 3           | Char       | 2    |       |
| dump            | ?                 | Char       | 40   |       |
| dump2           | ?                 | Char       | 40   |       |

### 8.1.15 ux

| Table: ux      |  |            |      |       |
|----------------|--|------------|------|-------|
| Field          | Field Description  | Type       | Size | Flags |
| Catno          | Category number<br>(number from<br>bone database<br>catalogue)               | Signed int | 10   | IX    |
| boneno         | Bone number<br>(from Uxbridge<br>list)                                       | Signed int | 5    | IX    |
| easting        | East square  | Signed int | 5    |       |
| northing       | North square   | Signed int | 5    |       |
| quad           | Quadrant letter  | Char       | 1    |       |
| spit           | Spit number  | Signed int | 5    |       |
| contextno      | Context number   | Signed int | 10   | IX    |
| sboneno        | Small bone<br>number (meaning<br>unclear)                                    | Signed int | 5    |       |
| east           | East coordinates   | Float      | 5,2  |       |
| north          | North coordinates  | Float      | 5,2  |       |
| level          | OD height  | Float      | 6,3  |       |
| orientation    | Angle off bone<br>sheets (site<br>sheets)                                    | Signed int | 5    |       |
| tilta          | Angle of tilt along<br>long axis   | Signed int | 5    |       |
| tiltb          | Angle of tilt along<br>short axis  | Signed int | 5    |       |
| photonno       | Photo number<br>(usually a single<br>number but<br>sometimes with<br>square) | Char       | 7    |       |
| mshft_diam     | Mid shaft diameter   | Float      | 3,1  |       |
| wall_thickness | Thickness of bone<br>wall  | Float      | 3,1  |       |

|               |   |            |     |  |
|---------------|---|------------|-----|--|
| condition     | Condition of bone on graded scale                         | Char       | 2   |  |
| break_descrip | Nature of break surfaces                                  | Char       | 2   |  |
| boneunit      | Bone number of the main fragment to which the piece joins | Signed int | 5   |  |
| individual    | Individual (a number) to which the bone belongs           | Signed int | 5   |  |
| comment       | Any comments as relevant                                  | Char       | 120 |  |

#### 8.1.16 zone

| <b>Table: zone</b> |                          |             |             |              |
|--------------------|--------------------------|-------------|-------------|--------------|
| <b>Field</b>       | <b>Field description</b> | <b>Type</b> | <b>Size</b> | <b>Flags</b> |
| boneno             | Bone number              | Signed Int  | 10          | NN,IX        |
| bone               |                          | Char        | 5           | NN,IX        |
| side               |                          | Char        | 1           |              |
| zone0              | See Rackham (1986)       | Char        | 1           |              |
| zone1              | See Rackham (1986)       | Char        | 1           |              |
| zone2              | See Rackham (1986)       | Char        | 1           |              |
| zone3              | See Rackham (1986)       | Char        | 1           |              |
| zone4              | See Rackham (1986)       | Char        | 1           |              |
| zone5              | See Rackham (1986)       | Char        | 1           |              |
| zone6              | See Rackham (1986)       | Char        | 1           |              |
| zone7              | See Rackham (1986)       | Char        | 1           |              |
| zone8              | See Rackham (1986)       | Char        | 1           |              |
| zone9              | See Rackham (1986)       | Char        | 1           |              |

Note: the 'zones' table records the presence/absence of various bone zones devised by D.J. Rackham (former head of GLEAS) – see Rackham (1986).

## 8.2 BONE CODES

### 8.2.1 Animal Bone Codes

Every attempt has been made to provide expansions for the bone codes that appear in the various animal bone tables. Please note that code expansions in lower case are deductions only, and should be treated with care (these codes appear very infrequently in the data).

Note: the following species codes also inadvertently appear in the bone code fields of the various Informix database tables: BOS, CSZ, DSP, FEL, GOOS, OVCA, SMA, SSZ, SUS AND UNIF. See table 8.2.2 below for the relevant code expansions.

| CODE      | EXPANSION                              |
|-----------|--|
| AAV       | ANT-ABDOM.VERT                         |
| ACET      | ACETABULUM                             |
| ANT       | ANTLER                                 |
| APH       | ANTERIOR PHALANGE                      |
| ART       | ARTICULAR                              |
| AST       | ASTRAGALUS                             |
| ATL       | ATLAS                                  |
| AUDI      | AUDITORY CAPSULE                       |
| AXI       | AXIS                                   |
| BAC       | BACULUM                                |
| BAPT      | BASIPTERIGIUM                          |
| BASI/ BSO | BASIOCCIPITAL                          |
| BRST      | BRANCHIOSTEGAL                         |
| C23       | CUNEIFORM 2+3                          |
| CAL       | CALCANEUM                              |
| CAR       | CARPAL                                 |
| CC        | COSTAL CARTILAGE                       |
| CCR       | Costal cartilage? (correct code = CCR) |
| CDV       | CAUDAL VERTEBRA                        |
| CERA      | CERATOHYAL                             |
| CERL      | CERATOBANCHIAL                         |
| CER7      | 7 <sup>TH</sup> CERVICAL VERTEBRA      |
| CEV       | CERVICAL VERTEBRA                      |
| CKT       | CHEEK TOOTH                            |
| CL        | CLEITHRUM                              |
| CLV       | CLAVICULA                              |
| CMC       | Carpometacarpus? (correct code = CPM)  |
| COR       | CORACOID                               |
| CP        | CARPAL                                 |
| CP1       | 1ST CARPAL=TRAPEZIUM                   |
| CP2       | 2ND CARPAL=TRAPEZOID                   |
| CP3       | 3RD CARPAL=MAGNUM                      |
| CP4       | 4TH CARPAL=UNCIFORM                    |
| CPA       | ACCESS.CARPAL=PISIFORM                 |
| CPE       | Unknown                                |
| CPI       | INTERM.CARPAL=LUNATE                   |
| CPM       | CARPOMETACARPUS                        |
| CPR       | RADIAL CARPAL=SCAPHOID                 |
| CPU       | ULNAR CARPAL=CUNEIFORM                 |
| CQ        | CENTROQUARTAL                          |

|                    |  |
|--------------------|--|
| CRHY               | CERATOHYAL   |
| CRP                | CARAPACE   |
| CTA                | CARPAL/TARSAL  |
| CU                 | CUNEIFORM  |
| CU1                | CUNEIFORM 1=MEDIAL   |
| CU2                | CUNEIFORM 2=INTERMEDIATE                                       |
| CU3                | CUNEIFORM 3=LATERAL  |
| CUB                | CUBOID   |
| CUN                | Cuneiform? (Correct code = CU)                                 |
| DDE                | DERMAL DENTICLE  |
| DEN                | Dentary? (Correct code = DENT/ DN)                             |
| DENT (see also DN) | DENTARY  |
| DER                | Dermal denticle? (Correct code = DERM)                         |
| DERM               | DERMAL DENTICLE  |
| DERS               | DERMAL SCUTE   |
| DFIN               | DORSAL FIN SPINE   |
| DFN                | DORSAL FIN RAY   |
| DLP                | Deciduous mandibular premaxillary tooth? (Correct code = LDP). |
| DN (see also DENT) | DENTARY  |
| DTH                | DECIDUOUS TOOTH  |
| DUP                | DECIDUOUS UPPER PREMAXILLARY TOOTH                             |
| ECTO               | ECTOPTYERYGOID   |
| EPI                | EPIHYAL  |
| EPIB               | EPIBRANCHIAL   |
| ETHM               | ETHMOID  |
| EXOC               | EXOCCIPITAL  |
| F                  | Unknown  |
| FEM                | FEMUR  |
| FIB                | FIBULA   |
| FIN                | FIN SPINE  |
| FINR               | Finray? (Correct code = FRAY)                                  |
| FRA                | Finray? (Correct code = FRAY)                                  |
| FRAY               | FIN RAY  |
| FRN/ FRNT          | FRONTAL  |
| FUR                | FURCULUM   |
| HAEM               | INTERHAEMAL SPINE  |
| HCO                | HORN CORE  |
| HUM                | HUMERUS  |
| HYD                | HYOID  |
| HYO                | HYOMANDIBULAR  |
| HYPO               | HYPOHYAL   |
| ILM                | ILIUM  |
| INHY               | INTERHYAL  |
| INN                | INNOMINATE   |
| INT                | INTERHAEMAL SPINE  |
| INTE               | INTERHAEMAL SPINE  |
| INTO               | INTEROPERCULAR   |
| IONN               | Innominate? (Correct code = INN)                               |
| ISH                | ISCHIUM  |

|                      |   |
|----------------------|---|
| LBF                  | LONG BONE FRAGMENT                          |
| LBON                 | LONG BONE MIDSHAFT                          |
| LC                   | MANDIBULAR CANINE TOOTH                     |
| LDP                  | DECIDUOUS MANDIBULAR PREMAXILLARY TOOTH     |
| LI                   | MANDIBULAR INCISOR TOOTH                    |
| LM                   | MANDIBULAR MOLAR TOOTH                      |
| LML                  | LATERAL MALLEOLUS                           |
| LMV                  | LUMBAR VERTEBRA                             |
| LPH                  | LATERAL PHALANGE                            |
| LPM                  | MAN.PREMOLAR                                |
| LSA                  | LUMBOSACRALE                                |
| MAM                  | Should be MAN for Mandible?                 |
| MAN                  | MANDIBLE                                    |
| MAX                  | MAXILLA                                     |
| MC1                  | METACARPAL 1                                |
| MC2                  | METACARPAL 2                                |
| MC3                  | METACARPAL 3                                |
| MC4                  | METACARPAL 4                                |
| MC5                  | METACARPAL 5                                |
| MMC                  | Unknown                                     |
| MMT                  | Unknown                                     |
| MND                  | MANDIBULAR DECIDUOUS TOOTH                  |
| MNM                  | Mandibular Molar Tooth? (Correct code = LM) |
| MNT                  | MANDIBULAR TOOTH                            |
| MT                   | METATARSUS                                  |
| MT1                  | METATARSAL 1                                |
| MT2                  | METATARSAL 2                                |
| MT3                  | METATARSAL 3                                |
| MT4                  | METATARSAL 4                                |
| MT5                  | METATARSAL 5                                |
| MTCC                 | Metacarpal? (Correct code = MTC)            |
| MTC                  | METACARPAL                                  |
| MTP                  | METAPODIAL                                  |
| MTT                  | METATARSAL                                  |
| MXD                  | MAXILLARY DECIDUOUS TOOTH                   |
| MXT (see also<br>UT) | MAXILLARY TOOTH                             |
| NAS                  | NASAL                                       |
| NAV                  | NAVICULAR                                   |
| NTC                  | Unknown                                     |
| NTT                  | Unknown                                     |
| OCC                  | OCCIPITAL                                   |
| OP/ OPER             | OPERCULAR                                   |
| OSS                  | OSSIFIED BIRD TENDON                        |
| OTO                  | OTOLITH                                     |
| PAL                  | PALATAL BONE                                |
| PALA                 | PALATINE                                    |
| PAR                  | PARIETAL                                    |
| PARA/ PAS            | PARASPHEOID                                 |
| PAT                  | PATELLA                                     |
| PAV                  | POST-ABDOM.VERT                             |
| PCL                  | POSTCLEITHRUM                               |

|           |   |
|-----------|---|
| PET       | PETROUS   |
| PH        | PHALANX   |
| PHI       | Should be PH <sub>1</sub> for 1 <sup>st</sup> Phalanx?  |
| PH1       | 1ST PHALANX   |
| PH2       | 2ND PHALANX   |
| PH3       | 3RD PHALANX   |
| PH4       | Unknown. Could stand for 4 <sup>th</sup> Phalanx but may also be an erroneous code (i.e. should be PH3 or PHA for example). |
| PHA       | PHALANX INDET   |
| PHAR      | PHARYNGEAL BONE   |
| PIS       | PISIFORM  |
| PLA       | PLASTRON (LOWER CARAPACE)   |
| PM4       | Premolar 4? (Tooth code)  |
| PMX       | PREMAXILLA  |
| POCL      | POSTCLEITHRUM   |
| POP/ PREO | CED89, COD, 177   |
| POST/ POT | POSTTEMPORAL  |
| PPH       | POSTERIOR PHALANGE  |
| PREF      | PREFRONTAL  |
| PREV/ PRV | PREVOMER  |
| PUB       | PUBIS   |
| QUAD/ QU  | QUADRATE  |
| RAD       | RADIUS  |
| RIB       | RIB   |
| RNG       | TRACHEAL RING   |
| ROS       | ROSTRUM   |
| RUL       | RADIUS + ULNA   |
| S+H       | SKULL + HORN CORE   |
| SAC       | SACRUM  |
| SCAL      | SCALE   |
| SCAP      | Scapula? (Correct code = SCP)   |
| SCL       | SUPRA CLEITHRUM   |
| SCP       | SCAPULA   |
| SES       | SESAMOID  |
| SF        | Shaft fragment? (Correct code = SHF)  |
| SHF       | SHAFT FRAGMENT  |
| SKL       | SKULL   |
| SOP       | SUBOPERCULAR  |
| SPIN      | FIN SPINE   |
| STE       | STERNUM   |
| SUBO      | SUBOPERCULAR.   |
| SUPC      | SUPRACLEITHRUM  |
| SUPR      | SUPRAOCCIPITAL  |
| SYN       | Synsacrum?  |
| TAR       | TARSAL  |
| TBT       | TIBIOTARSUS   |
| TEMP/ TEM | TEMPORAL  |
| TIB       | TIBIA   |
| TMT       | TARSOMETATARSUS   |
| TR1       | 1ST TARSAL=INTERNAL (MEDIAL) CUNEIFORM  |
| TR2       | 2ND TARSAL=MIDDLE (INTERMEDIATE) CUNEIFORM  |

|                      |   |
|----------------------|---|
| TR3                  | 3RD TARSAL=EXTERNAL (LATERAL) CUNEIFORM |
| TR4                  | 4TH TARSAL=CUBOID                       |
| TR5                  | 5TH TARSAL=CUBOID                       |
| TRC                  | =CQ=CENT.TARS=NAVICULO-CUBOID           |
| TRV                  | THORACIC VERTEBRA                       |
| TTH                  | TOOTH                                   |
| uc                   | Maxillary Canine Tooth?                 |
| UI                   | MAXILLARY INCISOR TOOTH                 |
| ULN                  | ULNA                                    |
| UM                   | MAXILLARY MOLAR TOOTH                   |
| UNI                  | UNIDENTIFIED                            |
| UR                   | UROHYAL                                 |
| URO                  | UROSTYLE                                |
| UROH                 | UROHYAL                                 |
| UT (see also<br>MXT) | MAXILLARY TOOTH                         |
| VAA                  | VERTEBRA, ABDOMINAL. ANTERIOR           |
| VAP                  | VERTEBRA, ABDOMINAL, POSTERIOR          |
| VER                  | VERTEBRA                                |
| VOM                  | VOMER                                   |
| ZYG                  | ZYGOMATIC                               |



### 8.2.2 Animal Species

Every attempt has been made to provide expansions for the species codes that appear in the various animal bone tables. Please note that code expansions in lower case are deductions only, and should be treated with care (these codes appear very infrequently in the data).

Note: the following bone codes also inadvertently appear in the species code fields of the table scan3.tab: MC3, MTT and TRC. See table 8.2.1 above for the relevant code expansions.

| SPECIES                    | COMMON NAME                              | LATIN NAME                  |
|----------------------------|--|-----------------------------|
| ALLI                       | ALLIS SHAD                               | ALOSA ALOSA                 |
| AMP                        | Unknown                                  |                             |
| AURO                       | AUROCHS                                  | BOS PRIMIGENIUS             |
| BADG                       | BADGER                                   | MELES MELES                 |
| BANK                       | BANK VOLE                                | CLETHRIONOMYS<br>GLAREOLUS  |
| BARB                       | BARBEL                                   | BARBUS BARBUS               |
| BARN                       | Barn owl? <sup>1</sup>                   | TYTO ALBA                   |
| BART                       | BAR-TAILED GODWIT                        | LIMOSA LAPPONICA            |
| BASS                       | BASS                                     | DICENTRARCHUS LABRAX        |
| BAT                        | BAT                                      | CHIROPTERA                  |
| BEAV                       | BEAVER                                   | CASTOR FIBER                |
| BIRD                       | Unidentified bird? (Correct code = UNIB) |                             |
| BITT                       | BITTERN                                  | BOTAURUS STELLARIS          |
| BLCK                       | BLACKBIRD                                | TURDUS MERULA               |
| BLKK                       | BLACK KITE                               | MILVUS MIGRANS              |
| BOS                        | CATTLE                                   | BOS TAURUS (DOMESTIC)       |
| BOSA                       | Cattle? (Correct code – BOS)             | BOS TAURUS (DOMESTIC)       |
| BRB                        | BEAR, BROWN                              | URSUS ARCTOS                |
| BREC                       | BREAM, COMMON                            | ABRAMIS BRAMA               |
| BSTK                       | STORK, BLACK                             | CICONIA NIGRA               |
| BUZZ                       | BUZZARD                                  | BUTEO BUTEO                 |
| C/DZ                       | CHICKEN/DUCK SIZE                        |                             |
| CAN                        | DOG                                      | CANIS FAMILIARIS            |
| CANI                       | DOG, UNID                                | CANIDAE                     |
| CARP                       | CARP, COMMON                             | CYPRINUS CARPIO             |
| CER                        | RED DEER                                 | CERVUS ELAPHUS              |
| CERP                       | RED DEER (PROBABLY)                      | CERVUS ELAPHUS              |
| CHIK                       | CHICKEN                                  | GALLUS GALLUS<br>(DOMESTIC) |
| CHKZ                       | CHICKEN SIZE                             |                             |
| CHUB                       | CHUB                                     | LEUCISCUS CEPHALUS          |
| CICY<br>(see also<br>HENH) | HEN HARRIER                              | CIRCUS CYANEUS              |
| CLS                        | ROE DEER                                 | CAPREOLUS CAPREOLUS         |
| CLUP                       | HERRING FAMILY                           | CLUPEIDAE                   |
| COD                        | COD                                      | GADUS MORHUA                |

<sup>1</sup> The code 'BARN' appears twice in the data relating to TOL79. Please consult the paper archive for TOL79 if you are researching this site.

|      |   |                              |
|------|---|------------------------------|
| COL  | WOOD PIGEON/DOVE  | COLUMBA SP.                  |
| CONG | CONGER EEL  | CONGER CONGER                |
| COOT | COOT  | FULICA ATRA                  |
| CORC | MED CORVID-CARRION<br>CROW/ROOK                           | CORVUS<br>CORONE/FRUGILEGUS  |
| CORM | CORMORANT   | PHALACROCORAX CARBO          |
| CORS | SMALL CORVID-MAGPIE OR<br>JACKDAW                         | PICA PICA/CORVUS<br>MONEDULA |
| CORV | CROW FAMILY   | CORVIDAE                     |
| CPR  | Roe Deer? (Correct code = CLS)                            | CAPREOLUS CAPREOLUS          |
| CRA  | GOAT  | CAPRA HIRCUS                 |
| CRAN | COMMON CRANE  | GRUS GRUS                    |
| CROW | CARRION CROW  | CORVUS CORONE                |
| CSZ  | OX/CATTLE SIZE  |                              |
| CSZE | Unknown – could be ox/cattle size<br>(Correct code = CSZ) |                              |
| CURL | CURLEW  | NUMENIUS ARQUATA             |
| CYP  | CARP (FAMILY)   | CYPRINIDAE                   |
| DAB  | DAB   | LIMANDA LIMANDA              |
| DACE | DACE  | LEUCISCUS LEUCISCUS          |
| DAM  | FALLOW DEER   | DAMA DAMA                    |
| DOL  | DOLPHIN, COMMON   | DELPHINUS DELPHINUS          |
| DOVE | ROCK/STOCK DOVE   | COLUMBA LIVIA/C.OENAS        |
| DSP  | DEER SPECIES  | CERVIDAE                     |
| DSSP | Deer species? (Correct code = DSP)                        | CERVIDAE                     |
| DUCK | DUCK SPECIES  |                              |
| EAGL | GOLDEN EAGLE  | AQUILA CHRYSAETOS            |
| EEL  | EEL   | ANGUILLA ANGUILLA            |
| EGGA | CATTLE EGRET  | EGRETTA GARZETTA             |
| ELAS | ELASMOBRANCH  |                              |
| ELEP | ELEPHANT  |                              |
| EQU  | HORSE   | EQUUS CABALLUS               |
| FAL  | PEREGRINE FALCON  | FALCO PEREGRINUS             |
| FARE | FIELDFARE   | TURDUS PILARIS               |
| FEL  | CAT   | FELIS CATUS                  |
| FL   | FLOUNDER  | PLATICHTHYS FLESUS           |
| FOX  | FOX   | VULPES VULPES                |
| FROG | FROG  | RANA TEMPORARIA              |
| FRTO | FROG OR TOAD  | RANA SP./BUFO SP.            |
| GADI | GADID SP.   | GADIDAE                      |
| GADS | GADID SIZE  |                              |
| GALL | MOORHEN   | GALLINULA CHLOROPUS          |
| GARF | GARFISH   | BELONE BELONE                |
| GARG | GARGANEY  | ANAS QUERQUEDULA             |
| GAZE | GAZELLE, UNIDENTIFIED                                     | GAZELLA SP.                  |
| GBBG | GREATER BLACK BACKED GULL                                 | LARUS MARINUS                |
| GDIV | GREAT NORTHERN DIVER                                      | GAVIA IMMER                  |
| GDLA | LARGE GADIDS  | GADIDAE                      |
| GDSM | SMALL GADIDS  | GADIDAE                      |
| GODW | GODWIT SP.  | LIMOSA SP.                   |
| GOLD | GOLDENEYE   | BUCEPHALA CLANGULA           |
| GOOS | GOOSE   | ANSER ANSER (DOMESTIC)       |
| GOPL | GOLDEN PLOVER   | PLUVIALIS APRICARIA          |

|                            |                              |                              |
|----------------------------|------------------------------|------------------------------|
| GOS                        | SMALL GOOSE                  |                              |
| GOSH                       | GOSHAWK                      | ACCIPITER GENTILIS           |
| GREY                       | GREY PLOVER                  | PLUVIALIS SQUATAROLA         |
| GRPM                       | PRIMAEVAL CRANE <sup>2</sup> | GRUS PRIMIGENIUS             |
| GSNA                       | GRASS SNAKE                  | NATRIX NATRIX                |
| GSSP                       | GOOSE SPECIES                |                              |
| GSZE                       | GOOSE SIZE                   |                              |
| GUD                        | GUDGEON                      | GOBIO GOBIO                  |
| GULL                       | GULL FAMILY                  | LARIDAE                      |
| GURN                       | GURNARD                      | TRIGLIDAE                    |
| HADD                       | HADDOCK                      | MELANOGRAMMUS<br>AEGLEFINUS  |
| HAKE                       | HAKE                         | MERLUCCIUS MERLUCCIUS        |
| HALI                       | HALIBUT                      | HIPPOGLOSSUS<br>HIPPOGLOSSUS |
| HARE                       | HARE, BROWN                  | LEPUS EUROPAEUS              |
| HARV                       | HARVEST MOUSE                | MICROMYS MINUTUS             |
| HEEG                       | HERON/EGRET                  |                              |
| HENH<br>(see also<br>CICY) | HEN HARRIER                  | CIRCUS CYANEUS               |
| HERO                       | GREY HERON                   | ARDEA CINEREA                |
| HERR                       | HERRING                      | CLUPEA HARENGUS              |
| HESP                       | HERRING/SPRAT                | C HARENGUS/S SPRATTUS        |
| HGUL                       | HERRING GULL                 | LARUS ARGENTATUS             |
| HHOG                       | HEDGEHOG                     | ERINACEUS EUROPAEUS          |
| HOUS                       | HOUSE MOUSE                  | MUS MUSCULUS                 |
| JACK                       | JACKDAW                      | CORVUS MONEDULA              |
| JAMA                       | JACKDAW/MAGPIE               | CORVUS MONEDULA/PICA<br>PICA |
| KNOT                       | KNOT                         | CALIDRIS CANUTUS             |
| LAGO                       | LAGOMORPH                    | LAGOMORPH                    |
| LAPW                       | LAPWING                      | VANELLUS VANELLUS            |
| LEP                        | HARE                         |                              |
| MACK                       | MACKEREL                     | SCOMBER SCOMBRUS             |
| MALL                       | MALLARD                      | ANAS PLATYRHYNCHOS           |
| MAN                        | HUMAN                        | HOMO SAPIENS SAPIENS         |
| MARH                       | MARSH HARRIER                | CIRCUS AEROGINOSUS           |
| MCAG                       | FIELD VOLE                   | MICROTUS AGRESTIS            |
| MER                        | MERLIN                       | FALCO COLUMBARIUS            |
| MERG                       | MERGANSE                     | MERGUS ALBELLUS              |
| MOLE                       | MOLE                         | TALPA EUROPAEA               |
| MOUS                       | MOUSE SPECIES                | MOUSE SPECIES                |
| MOVO                       | MOUSE/VOLE                   |                              |
| MULL                       | MULLET, GREY                 | MUGILIDAE                    |
| MULS                       | MULLET SPECIES               |                              |
| MUTE                       | MUTE SWAN                    | CYGNUS OLOR                  |
| NORV                       | BROWN RAT                    | RATTUS NORVEGICUS            |
| ORC                        | RABBIT                       | ORYCTOLAGUS CUNICULUS        |
| ORCA                       | Rabbit? (Correct code = ORC) | ORYCTOLAGUS CUNICULUS        |
| OSTR                       | OSTRICH                      | STRUTHIO CAMELUS             |

<sup>2</sup> 'Primaeval Crane' would be described today as 'Crane, Unidentified'.

|      |                             |                         |
|------|-----------------------------|-------------------------|
| OTTR | OTTER                       | LUTRA LUTRA             |
| OVCA | SHEEP/GOAT                  | OVIS ARIES/CAPRA HIRCUS |
| OVI  | SHEEP                       | OVIS ARIES              |
| OWL  | OWL SPECIES                 |                         |
| OYST | OYSTER CATCHER              | HAEMATOPUS OSTRALEGUS   |
| PADO | SPARROW, HOUSE              | PASSER DOMESTICUS       |
| PAMO | SPARROW, TREE               | PASSER MONTANUS         |
| PART | PARTRIDGE                   | PERDIX PERDIX           |
| PASL | PASSERINE, LARGE            |                         |
| PASS | PASSERINE, SMALL            |                         |
| PAUN | SPARROW, UNIDENTIFIED       | PASSER SP.              |
| PEAC | PEACOCK                     | PAVO SP                 |
| PECK | GREEN WOODPECKER            | PICUS VIRIDIS           |
| PER  | PERCH-LIKE FISHES           | PERCIFORMES             |
| PERC | PERCH                       | PERCA FLUVIATILIS       |
| PHEA | PHEASANT                    | PHASIANUS COLCHICUS     |
| PIDG | WOODPIGEON                  | COLUMBA PALUMBUS        |
| PIKE | PIKE                        | ESOX LUCIUS             |
| PINE | PINE MARTEN                 | MARTES MARTES           |
| PINT | PINTAIL                     | ANAS ACUTA              |
| PL   | PLAICE                      | PLEURONECTES PLATESSA   |
| PLAI | Plaice? (Correct code = PL) | PLEURONECTES PLATESSA   |
| PLFL | PLAICE/FLOUNDER             | PLAICE/FLOUNDER         |
| PLOV | GREY/GOLDEN PLOVER          | PLUVIALIS SP.           |
| PODO | PORPOISE/DOLPHIN            | PORPOISE OR DOLPHIN     |
| POLE | POLECAT                     | MUSTELA PUTORIUS        |
| POLL | POLLACK                     | POLLACHIUS POLLACHIUS   |
| POR  | PORPOISE                    | PHOCOENA PHOCOENA       |
| PYGM | PYGMY SHREW                 | SOREX MINUTUS           |
| QUAI | QUAIL                       | COTURNIX COTURNIX       |
| RANP | REINDEER (PROBABLY)         |                         |
| RAP  | RAPTOR                      |                         |
| RAPS | SMALL RAPTOR                |                         |
| RAT  | BLACK RAT                   | RATTUS RATTUS           |
| RATS | RAT SPECIES                 | RATTUS SPECIES          |
| RAVE | RAVEN                       | CORVUS CORAX            |
| RAY  | RAY INDET.                  | RAJIDAE                 |
| RAZO | RAZORBILL                   | ALCA TORDA              |
| RDIV | RED-THROATED DIVER          | GAVIA STELLATA          |
| REDG | RED GROUSE                  | LAGOPUS LAGOPUS         |
| REDK | RED KITE                    | MILVUS MILVUS           |
| REDS | RED SQUIRREL                | SCIURUS VULGARIS        |
| REIN | REINDEER                    | RANGIFER TARANDUS       |
| ROAC | ROACH                       | RUTILUS RUTILUS         |
| ROCK | ROCK DOVE                   | COLUMBA LIVIA           |
| ROOK | ROOK                        | CORVUS FRUGILEGUS       |
| RTZ  | RAT SIZED                   |                         |
| SAIT | SAITHE/COALFISH/COLEY       | POLLACHIUS VIRENS       |
| SALA | SALMON                      | SALMO SALAR             |
| SALM | SALMONID SP.                | SALMONIDAE              |
| SAND | GOOSANDER                   | MERGUS MERGANSER        |
| SCOP | LEFT-EYED FLATFISHES        | SCOPHTHALMIDAE          |
| SCOT | SCOTER                      | MELANITTA SP.           |

|      |   |                           |
|------|---|---------------------------|
| SDOV | CF TURTLE DOVE  | STREPTOPILIA TURTUR       |
| SEAL | SEAL  | SEAL SPECIES              |
| SHA  | SHAD  | ALOSA SP                  |
| SHEL | SHELDUCK  | TADORNA TADORNA           |
| SILV | BREAM, SILVER   | BLICCA BJOERKNA           |
| SMA  | SMALL MAMMAL  |                           |
| SMBI | Passerine, small? (Correct code = PASS)                         |                           |
| SMEL | SMELT   | OSMERUS EPERLAUNUS        |
| SMEW | SMEW  | MERGUS ALBELLUS           |
| SNAK | SNAKE   | SNAKE SPECIES             |
| SNIP | SNIPE   | GALLINAGO GALLINAGO       |
| SOAR | COMMON SHREW  | SOREX ARANEUS             |
| SOLE | SOLE  | SOLEA SOLEA               |
| SONG | SONG THRUSH   | TURDUS PHILOMELOS         |
| SPAR | SEA-BREAM   | SPARIDAE                  |
| SPHK | SPARROWHAWK   | ACCIPITER NISUS           |
| SPRA | SPRAT   | SPRATTUS SPRATTUS         |
| SRO  | RODENT SMALLER THAN RAT   |                           |
| SSM  | Unknown   |                           |
| SSZ  | SHEEP SIZE  |                           |
| SSZK | Unknown – possibly meant to be sheep size? (Correct code = SSZ) |                           |
| STAR | STARLING  | STURNUS VULGARIS          |
| STIC | STICKLEBACK, THREE-SPINED                                       | GASTEROSTEUS ACULEATUS    |
| STOC | STOCK DOVE  | COLUMBA OENAS             |
| STOT | STOAT   | MUSTELA ERMINEA           |
| STUR | STURGEON  | ACIPENSER STURIO          |
| SUS  | PIG   | SUS SCROFA/SP. (DOMESTIC) |
| SUSA | Pig? (Correct code = SUS)                                       | SUS SCROFA/SP. (DOMESTIC) |
| SWAN | SWAN SPECIES  | CYGNUS SP.                |
| TEAL | TEAL  | ANAS CRECCA               |
| TEN  | TENCH   | TINCA TINCA               |
| THL  | LARGE THRUSH  | CF TURDUS MERULA          |
| THOR | THORNBACK RAY   | RAJA CLAVATA              |
| THS  | SMALL THRUSH  | CF TURDUS PHILOMELOS      |
| TOAD | TOAD, COMMON  | BUFO BUFO                 |
| TORT | UNIDENTIFIED TORTOISE SPECIES                                   | TESTUDO SP.               |
| TOWL | OWL, TAWNY  | STRIX ALUCO               |
| TTOT | REDSHANK  | TRINGA TOTANUS            |
| TTSH | Unknown   |                           |
| TUFT | TUFTED DUCK   | AYTHYA FULIGULA           |
| TURB | TURBOT  | SCOPHTHALMUS MAXIMUS      |
| TURK | TURKEY  | MELEAGRIS GALLOPAVO       |
| TURT | UNIDENTIFIED TURTLE SPECIES                                     |                           |
| TUSP | THRUSH SPECIES  | TURDUS SP.                |
| TWAI | TWAITE SHAD   | ALOSA FALLAX              |
| UNI  | UNIDENTIFIED MAMMAL   |                           |
| UNIB | UNIDENTIFIED BIRD   |                           |

|      |                        |                      |
|------|------------------------|----------------------|
| UNIF | UNIDENTIFIED FISH      |                      |
| VELV | VELVET SCOTER          | MELANITTA FUSCA      |
| VOLE | VOLE SPECIES           | MICROTINAE           |
| WADE | WADER/PLOVER           |                      |
| WARA | WATER RAIL             | RALLUS AQUATICUS     |
| WATS | SHREW, WATER           | NEOMYS FODIENS       |
| WAVO | WATER VOLE             | ARVICOLA TERRESTRIS  |
| WEAS | WEASEL                 | MUSTELA NIVALIS      |
| WHAL | WHALE                  | CETACEA              |
| WHIT | WHITING                | MERLANGIUS MERLANGUS |
| WIDG | WIGEON                 | ANAS PENELOPE        |
| WLDG | WILD GOOSE SP.         |                      |
| WOOD | WOODCOCK               | SCOLOPAX RUSTICOLA   |
| WOOM | WOOD MOUSE             | APODEMUS SYLVATICUS  |
| WRAS | WRASSE                 | LABRIDAE             |
| WSTK | STORK, WHITE           | CICONIA CICONIA      |
| WTSE | WHITE-TAILED SEA EAGLE | HALIAEETUS ALBICILLA |

### 8.2.3 Animal Bone Parts

Note: these codes may appear in combination in the data. For example, 'ANTPE' = Anterior Proximal Epiphysis.

Code expansions in lower case are best deductions only, and should be treated with care. Further undocumented codes also appear in the data – it has not been possible to identify the expansions for these codes at this time.

| PART         | EXP                                 |
|--------------|-------------------------------------|
| ANT          | ANTERIOR                            |
| ART          | ARTICULATION                        |
| D+E          | DISTAL SHAFT + DETACHED EPIPHYSIS   |
| DE           | DISTAL EPIPHYSIS                    |
| DEF          | DISTAL EPIPHYSIS FRAG               |
| DES          | DISTAL EPIPHYSIS + SHAFT            |
| DIS/ DIST    | DISTAL                              |
| DOR          | DORSAL                              |
| DS           | DISTAL SHAFT FRAGMENT               |
| E            | EPIPHYSIS                           |
| F            | FRAGMENT                            |
| LAT          | LATERAL                             |
| MED          | MEDIAL                              |
| P+D          | PROXIMAL + DISTAL                   |
| P+E          | PROXIMAL SHAFT + DETACHED EPIPHYSIS |
| PE           | PROXIMAL EPIPHYSIS                  |
| PEF          | PROXIMAL EPIPHYSIS FRAG             |
| PES          | PROXIMAL EPIPHYSIS + SHAFT          |
| POF          | POSTERIOR FRAGMENT                  |
| POS/<br>POST | POSTERIOR                           |
| PRO/<br>PROX | PROXIMAL                            |
| PSF          | PROXIMAL SHAFT FRAGMENT             |
| S            | SHAFT                               |
| SDE          | MIDSHAFT AND DISTAL EPIPHYSIS       |
| SYM          | SYMPHYSIS                           |
| UNI          | Unidentified?                       |
| V+E          | VERTEBRA + DETACHED EPIPHYSIS       |
| VEN          | VENTRAL                             |
| W            | WHOLE BONE                          |

### 8.2.4 Bone State Codes

| STATE | EXP       |
|-------|-----------|
| BT    | BUTCHERY  |
| WR    | WORKING   |
| PT    | PATHOLOGY |
| BR    | BURNING   |
| GN    | GNAWING   |

### 8.2.5 Butchery Codes

Note: these codes should appear in combination with bone part codes, and often with a figure indicating the number of instances: e.g: 'P CH 3' = proximal end chopped three times, 'DISSW1' = distal end sawn once.

| CODE | EXPANSION  |
|------|--|
| CH   | CHOPPED  |
| KN   | KNIFED   |
| KW   | KITCHEN WASTE – VERY HEAVILY BUTCHERED FRAGMENTS |
| SP   | VERTEBRA SPLIT DOWN SAGITTAL PLANE               |
| SW   | SAWN   |
| TR   | TRANSVERSE                                       |
| WO   | WORKED   |

### 8.2.6 Gnawing Codes

Note: these codes appear in combination with each other, and with bone part codes. For example, 'DERN1' = Distal end slightly gnawed by rodent  
'PEDG3' = Proximal epiphysis severely gnawed by dog

| CODE | EXPANSION                        |
|------|----------------------------------|
| 1    | SLIGHT                           |
| 2    | MEDIUM                           |
| 3    | SEVERE                           |
| DG   | DOG                              |
| OH   | OTHER, SPECIFIED UNDER 'REMARKS' |
| RD   | RODENT                           |

### 8.2.7 Burning Codes

| CODES | EXPANSION     |
|-------|---------------|
| B     | BLACK         |
| W     | WHITE OR GREY |

Note: Further undocumented codes appear in the 'burning' data field. It has not been possible to identify the expansions for these codes at this time.



### 8.2.8 Fusion Codes

| CODES | EXPANSION                          |
|-------|------------------------------------|
| C     | EPIPHYSIAL LINE VISIBLE BUT CLOSED |
| F     | FUSED                              |
| O     | EPIPHYSIAL LINE VISIBLE AND OPEN   |
| U     | UNFUSED                            |

Note: Further undocumented fusion codes appear in the data. It has not been possible to identify the expansions for these codes at this time.

### 8.2.9 Sex Codes

| CODE | EXPANSION |
|------|-----------|
| C    | CASTRATE  |
| F    | FEMALE    |
| M    | MALE      |

Note: Further undocumented burning codes appear in the data. It has not been possible to identify the expansions for these codes at this time.

### 8.2.10 Age Codes

| CODE | EXPANSION                                     |
|------|---|
| A    | ADULT   |
| FN   | FOETAL OR NEWBORN                             |
| I    | INFANT: SLIGHTLY LARGER THAN NEWBORN          |
| J    | JUVENILE: EPIPHYSIAL LINE VISIBLE BUT OPEN    |
| O    | OLD   |
| SA   | SUB-ADULT: EPIPHYSIAL LINE VISIBLE BUT CLOSED |
| YA   | YOUNG ADULT                                   |

Note: Further undocumented age codes appear in the data. It has not been possible to identify the expansions for these codes at this time.

### 8.2.11 Side Codes

| CODE | EXPANSION |
|------|-----------|
| B    | BOTH      |
| L    | LEFT      |
| R    | RIGHT     |

Note: Further undocumented side codes appear in the data. It has not been possible to identify the expansions for these codes at this time.

### 8.2.12 Pathology codes

Bone pathology remarks are recorded in the table 'pathremark.tab'. There are two fields with coded data: 'path' and 'non-met'. The expansions for the codes in these fields are provided below:

'Path' field code:

| CODE | EXPANSION |
|------|-----------|
| P/ p | Present   |

Note: the 'path' field also contains additional non-standard codes that it has not been possible to identify. These non-standard codes appear infrequently in the data.

'Nonmet' field codes:

(These sometimes appear in combination, e.g. MC+P+)

| CODE | EXPANSION   |
|------|---|
| CDL  | Cattle femur: distal nutrient foramen on LATERAL SIDE   |
| CDM  | Cattle femur: distal nutrient foramen on MEDIAL SIDE    |
| MC+  | Posterior column of lower M3 present                    |
| MC-  | Posterior column of lower M3 absent                     |
| P+   | Lower premolar 2 present                                |
| P-   | Lower premolar 2 absent                                 |
| SDL  | Sheep femur: nutrient foramen on DISTAL LATERAL SIDE    |
| SDM  | Sheep femur: nutrient foramen on DISTAL MEDIAL SIDE     |
| SPA  | Sheep femur: nutrient foramen on PROXIMAL ANTERIOR SIDE |
| PMF  | Sheep mandible: foramen below premolar 2/3              |

Note: the 'nonmet' field also contains additional non-standard codes that it has not been possible to identify. These non-standard codes appear infrequently in the data.

### 8.2.13 Tooth wear codes

Alphabetical equivalents were assigned to each individual tooth as noted below:

| TOOTH | ALPHABETICAL EQUIVALENT |
|-------|-------------------------|
| I1    | A                       |
| I2    | B                       |
| I3    | C                       |
| C1    | D                       |
| P1    | E                       |
| P2    | F                       |
| P3    | G                       |
| P4    | H                       |
| M1    | I                       |
| M2    | J                       |
| M3    | K                       |
| i1    | a                       |
| i2    | b                       |
| i3    | c                       |
| c1    | d                       |
| dp1   | e                       |
| dp2   | f                       |
| dp3   | g                       |
| dp4   | h                       |

Tooth wear stages were recording using Payne (1973), Grant (1975) and Grant (1982). Numerical equivalents were assigned to the alphabetical tooth wear codes however, as detailed in the tables below.

*Grant (1975) – tooth wear stages (t.w.s) of pig teeth*

| TWS | NUMERICAL EQUIVALENT |
|-----|----------------------|
| a   | 6                    |
| b   | 7                    |
| c   | 8                    |
| d   | 9                    |
| e   | 10                   |
| f   | 11                   |
| g   | 12                   |
| h   | 13                   |
| j   | 14                   |
| k   | 15                   |
| l   | 16                   |
| m   | 17                   |
| n   | 18                   |

*Grant (1982) – tooth wear stages (t.w.s.) of cattle teeth*

| TWS | NUMERICAL EQUIVALENT |
|-----|----------------------|
| a   | 6                    |
| b   | 7                    |
| c   | 8                    |
| d   | 9                    |
| e   | 10                   |
| f   | 11                   |
| g   | 12                   |
| h   | 13                   |
| j   | 14                   |
| k   | 15                   |
| l   | 16                   |
| m   | 17                   |
| n   | 18                   |
| o   | 19                   |
| p   | 20                   |

*Grant (1982) – tooth wear stages (t.w.s.) of sheep/ goat teeth*

| TWS | NUMERICAL EQUIVALENT |
|-----|----------------------|
| a   | 6                    |
| b   | 7                    |
| c   | 8                    |
| d   | 9                    |
| e   | 10                   |
| f   | 11                   |
| g   | 12                   |
| h   | 13                   |
| j   | 14                   |
| k   | 15                   |
| l   | 16                   |
| m   | 17                   |
| n   | 18                   |
| o   | 19                   |

Payne (1973: 290) tooth wear stages (t.w.s) for sheep/goat – M3

| TWS        | NUMERICAL EQUIVALENT |
|------------|----------------------|
| Least wear | 6                    |
|            | 7                    |
|            | 8                    |
|            | 9                    |
|            | 10                   |
|            | 11                   |
|            | 12                   |
|            | 13                   |
|            | 14                   |
|            | 15                   |
|            | 16                   |
|            | 17                   |
|            | 18                   |
|            | 19                   |
|            | 20                   |
| Most wear  | 21                   |



Payne (1973: 291) tooth wear stages (t.w.s) for sheep/goat – m3

| TWS        | NUMERICAL EQUIVALENT |
|------------|----------------------|
| Least wear | 6                    |
|            | 7                    |
|            | 8                    |
|            | 9                    |
|            | 10                   |
|            | 11                   |
|            | 12                   |
|            | 13                   |
|            | 14                   |
|            | 15                   |
|            | 16                   |
| Most wear  | 17                   |



Payne (1973: 29) tooth wear stages (t.w.s) for sheep/goat – P4

| TWS        | NUMERICAL EQUIVALENT |
|------------|----------------------|
| Least wear | 6                    |
|            | 7                    |
|            | 8                    |
|            | 9                    |
|            | 10                   |
|            | 11                   |
|            | 12                   |
|            | 13                   |
| Most wear  | 14                   |

Payne (1973) tooth wear stages (t.w.s) for sheep/goat – M1 or M2

| TWS        | NUMERICAL EQUIVALENT |
|------------|----------------------|
| Least wear | 6                    |
|            | 7                    |
|            | 8                    |
|            | 9                    |
|            | 10                   |
|            | 11                   |
|            | 12                   |
|            | 13                   |
|            | 14                   |
|            | 15                   |
|            | 16                   |
|            | 17                   |
|            | 18                   |
| Most wear  | 19                   |

In the 'toothage' table, the numerical toothwear codes are recorded individually for each tooth, and then the 'dump' and 'dump2' fields present toothwear data in one of three main ways:<sup>3</sup>

- 1) Alphabetical tooth codes and numerical toothwear stage codes combined together:

*For example: H12/I17/J15/K15*

- 2) Standard tooth codes combined with the numerical tooth wear stage codes

*For example: P4=12/13 M1=14 M3=13*

<sup>3</sup> The difference between the 'dump' and 'dump2' fields is unclear. In a number of cases, the tooth wear pattern noted in 'dump' changes in 'dump2', and it may be that 'dump2' represents revised interpretations.

- 3) Tooth wear is simply recorded as 'W' for worn, or there is a combination of 'W' for worn and the numerical tooth wear stage code:

*For example: IWJWKW and FW/GW/H13/I13/J12/K8*

The 'dump' and 'dump2' fields don't always record toothwear data, they sometimes contain other general tooth remarks, which include the codes below:

| CODE    | EXPANSION                |
|---------|--------------------------|
| CAN     | CANINE                   |
| DPM     | DECIDUOUS<br>PREMOLAR    |
| IC/ INC | INCISOR                  |
| LM      | LOWER MOLAR              |
| LPM     | LOWER PREMOLAR           |
| MO      | MOLAR                    |
| PM      | PREMOLAR                 |
| UI      | UPPER INCISOR            |
| UDM     | UPPER DECIDIOUS<br>MOLAR |
| UM      | UPPER MOLAR              |
| UPM     | UPPER PREMOLAR           |

### 8.3 REFERENCES

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## 9.0 GENERAL CODE LISTS

### 9.1 Feature codes

This table presents a 'best deduction' as to the meaning of archaeological feature codes deployed in the Informix database. Please note codes in lower case are deductions only and should be treated with care. See section 4.2.7 for context codes.

| CODE      | EXPANSION                          |
|-----------|------------------------------------|
| ?         | Unknown                            |
| AGRI      | Agricultural land                  |
| BANK      | Bank                               |
| BFIL      | Back Fill                          |
| BRCK      | Brick                              |
| BURL      | Burial                             |
| BURR      | Burial                             |
| CELL      | Cell                               |
| CESS      | Cess pit                           |
| CFIL      | Cut Fill                           |
| CHAN      | CHANNEL                            |
| CLAY      | CLAY                               |
| COFF      | COFFIN IE ANY CONTAINER FOR BURIAL |
| CPIT      | Cremation Pit                      |
| CREM      | Cremation                          |
| CUT       | CUT                                |
| DEMO      | Demolition                         |
| DEP       | Deposit                            |
| DEPO      | Deposit?                           |
| DEPO      | DEPOSIT EXCLUDING FILL             |
| Dfil/DFIL | Ditch Fill                         |
| DITC      | DITCH                              |
| DPST      | Deposit?                           |
| DRAI      | Drain                              |
| DRN       | DRAIN                              |
| DTCH      | Ditch?                             |
| DUMP      | DUMP                               |
| Fgul/FGUL | Field Gully                        |
| FILL      | FILL                               |
| FLOR      | Floor                              |
| FOUN      | Foundary                           |
| FSHR      | Unknown                            |
| FURF      | FURNACE FILL                       |
| FURR      | Furnace                            |
| GARD      | Garden                             |
| GRAV      | Gravel                             |
| GUL       | Gully                              |
| GULL      | Gully                              |
| GULY      | Gully                              |
| HEA       | HEARTH                             |
| HERT      | Hearth                             |
| HRTH      | Hearth                             |
| HYPH      | Hypocaust                          |

|           |                                   |
|-----------|-----------------------------------|
| INHU      | Inhumation                        |
| LAY       | Layer                             |
| LAYE      | Layer?                            |
| LAYR      | Layer                             |
| LYER      | Layer?                            |
| LEVL      | Level?                            |
| MASO      | MASONRY INCLUDING BRICK AND STONE |
| METL      | Metal?                            |
| MIDD      | Midden                            |
| MISC      | Miscellaneous                     |
| NAT       | NATURAL                           |
| natr      | Natural                           |
| NATV      | NATURAL VALLEY FILL               |
| OCC       | OCCUPATION                        |
| OCCL      | Occupation layer                  |
| OCCU      | Occupation                        |
| OCDE      | Occupation Deposit                |
| OCLA      | Occupation layer                  |
| OTHER     | OTHER                             |
| OVEN      | Oven                              |
| PATH      | Path                              |
| pcut      | Pit Cut                           |
| PEAT      | Peat                              |
| Pfil/PFIL | Pit fill                          |
| PFL       | Pit fill                          |
| PH        | Post Hole                         |
| PHFL      | Post Hole Fill                    |
| PHL       | Post Hole                         |
| PHOL      | Post Hole                         |
| PIT       | Pit                               |
| POST      | Post Hole                         |
| ptfl      | Pit Fill                          |
| PTHL      | Post-Hole                         |
| QUAR      | Quarry                            |
| RAMP      | Ramp                              |
| REVE      | Revetment                         |
| REVT      | Revetment                         |
| ROBB      | Robber Trench                     |
| RUBB      | Rubble                            |
| RUBL      | Rubble                            |
| SCOP      | Unknown                           |
| SFB       | Unknown                           |
| SILL      | Unknown                           |
| SKEL      | SKELETON                          |
| SOIL      | Soil                              |
| STKH      | Stake Hole                        |
| STON      | Stone                             |
| STRU      | Structure                         |
| SUMP      | Sump                              |
| TIMB      | TIMBER                            |
| TOPS      | Top Soil                          |
| TP        | Test Pit?                         |
| TP/ T     | Test Pit/ Trench?                 |

|      |             |
|------|-------------|
| TURF | Turf        |
| WALK | Walk Way    |
| WALL | Wall        |
| WATL | WATERLOGGED |
| WELL | Well        |
| WFRT | Waterfront  |

9.2 Period Codes

| CODE  | EXPANSION          |
|-------|--------------------|
| DAGE  | Dark Age           |
| E/MIA | Early-Mid Iron Age |
| EIA   | Early Iron Age     |
| EMED  | Early Medieval     |
| EROM  | Early Roman        |
| IA    | Iron Age           |
| IAR   | Iron Age - Roman   |
| LBA   | Late Bronze Age    |
| LIA   | Late Iron Age      |
| LMED  | Late Medieval      |
| LROM  | Late Roman         |
| LSAX  | Late Saxon         |
| MED   | Medieval           |
| MIA   | Mid Iron Age       |
| MOD   | Modern             |
| MROM  | Middle Roman       |
| MSAX  | Middle Saxon       |

9.3  
Archaeological  
Units

| CODE            | EXPANSION   |  |
|-----------------|---|--|
| DUA             | Department of Urban Archaeology                               |  |
| HADAS           | Hendon and District Archaeological Society                    |  |
| KAREU           | Kenilworth Archaeological Rescue Unit                         |  |
| MISC            | Miscellaneous   |  |
| NLAU            | North London Archaeology Field Unit                           |  |
| NLON            | North London Archaeology Field Group                          |  |
| PEM             | Pearse Edwards Museum   |  |
| SLAEC           | Sandwich Saxon and Norman Archaeological Excavating Committee |  |
| SWLAU;<br>SWLON | South West Saxon and Early Medieval Archaeology Unit or Team  |  |
| WLFNG; WLON     | West London Archaeology Field Group                           |  |