Metadata for the Deer database created at the University of Nottingham

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| File name | Description | Creation date | Software used | Software version | Entity relationship diagram file name | Supporting documentation | |
| UoN\_deer.mdb | Deer bone database | January 2016 | Microsoft Access | 2010 |  | Schema5.docx | |
| Table name | Table description | Primary key | Foreign key | Field name | Field description | Field data type | Field length |
| site | Details of sites excavated | site\_code | country\_code | site\_code | Unique site code. Primary key | text | 7 |
|  |  |  |  | site\_name | Name of site | text | 40 |
|  |  |  |  | country\_code | Foreign key referencing primary key country\_code in table country | text | 3 |
|  |  |  |  | region | Description of region e.g. Scotland | text | 20 |
|  |  |  |  | location | Description of location e.g. West Lothian | text | 20 |
| country | Details of country | country\_code |  | country\_code | Unique country code. Primary key  using ISO 3166-1 alpha-3 codes | text | 3 |
|  |  |  |  | country\_name | Name of country | text | 35 |
|  |  |  |  | sequence\_number | Number to ensure UK appears at top of lists | Number | Long Integer |
| assemblage | Details of assemblages in which bones at a sight are grouped | site\_code,  reference\_id,  period\_id | site\_code  reference\_id  period\_id  site\_type\_id  context\_id | site\_code | Part of composite primary key. Foreign key referencing primary key site\_code in table site | Text | 7 |
|  |  |  |  | reference\_id | Part of composite primary key. Foreign key referencing primary key reference\_id in table reference | Number |  |
|  |  |  |  | period\_id | Part of composite primary key. Foreign key referencing primary key period\_id in table period | Number |  |
|  |  |  |  | site\_type\_id | Foreign key referencing primary key site\_type\_id in table site\_type | Number |  |
|  |  |  |  | context\_id | Foreign key referencing primary key context\_id in table context | Number |  |
|  |  |  |  | notes | General notes for the assemblage | text | 300 |
| reference | Details of publications used to source data | reference\_id |  | reference\_id | Unique ID. Primary key | Number |  |
|  |  |  |  | reference\_details | Details of publication including authors, date, title | Text |  |
| period | standard periods used to define assemblages | period\_id |  | period\_id | Unique ID. Primary key | Number |  |
|  |  |  |  | period\_name | Name of period such as “Bronze Age” | Text |  |
|  |  |  |  | sequence\_number | number to determine ordering | Number |  |
| site\_type | Details of site types | site\_type |  | site\_type\_id | Unique ID | Number |  |
|  |  |  |  | site\_type\_name | Description of site type such as “Fort” or “Palace” | Text |  |
| context | Details of context in which assemblage was located | context\_id |  | context\_id | Unique ID | Number |  |
|  |  |  |  | context\_name | Type of context such as “Pit” or “Midden” | Text |  |
| bone | Details of individual bones | site\_code,  reference\_id,  period\_id,  bone\_id | species\_id,  bone\_type\_id | site\_code | Part of composite primary key. References site\_code in primary key for table assemblage | Text | 7 |
|  |  |  |  | reference\_id | Part of composite primary key. References reference\_id in primary key for table assemblage | Number |  |
|  |  |  |  | period\_id | Part of composite primary key. References period\_id in primary key for table assemblage | Number |  |
|  |  |  |  | bone\_id | Part of composite primary key. Unique ID for each bone within each assemblage (defined by site\_code, reference\_id, period\_id) | Number |  |
|  |  |  |  | species\_id | Foreign key to  species table | Number |  |
|  |  |  |  | bone\_type\_id | Foreign key to bone\_type table | Number |  |
|  |  |  |  | bone\_date | Detailed description of date of bone when the date can be more specific than the standard periods of assemblages e.g. “Philia period (c. 2,400-2,200 BC)” | Text | 40 |
|  |  |  |  | position | short description of position of bone in animal  such as “fore”, “anterior” | Text | 10 |
|  |  |  |  | gender | The gender of the animal | Text | 1 |
|  |  |  |  | age | Description of the age of the animal at the time of death | Text | 30 |
|  |  |  |  | collection\_number | The number assigned to the bone in the collection | Text | 30 |
|  |  |  |  | catalogue\_number | ????????  ???????? | Text | 30 |
|  |  |  |  | laboratory\_code | The code assigned to the bone by the analysing laboratory ?????  ??????????? | Text | 20 |
|  |  |  |  | year\_before\_present | The number of years before present year as determined by C14 | Number |  |
|  |  |  |  | year\_standard\_error | Standard error for above measurement | Number |  |
|  |  |  |  | used\_weight | Weight of bone sample used for analysis | Number |  |
|  |  |  |  | yield\_weight | Weight of ………………  …………………  ………………  ……………..  ………………  ……………… | Number |  |
|  |  |  |  | percent\_c | Percentage of carbon in sample???????  ??????? | Number |  |
|  |  |  |  | d13c | Quantity of C13 in sample  ????????? | Number |  |
|  |  |  |  | d15n | Quantity of N15 in sample  ????????? | Number |  |
|  |  |  |  | cn\_ration | Ration of C to N  ???????? | Number |  |
|  |  |  |  | sr87\_sr86 | Ration of Sr87 to Sr 86  ?????????? | Number |  |
|  |  |  |  | o16\_o18 | Ration of O16 to O18?????????????  ??????????? | Number |  |
|  |  |  |  | d34s | Amount of S34 | Number |  |
|  |  |  |  | notes | General notes | Text | 200 |
| species | Details of various deer species for which bones have been recorded | species\_id |  | species\_id | Unique ID. Primary key | Number |  |
|  |  |  |  | common\_name | Common name of species e.g.  Fallow deer | Text | 20 |
|  |  |  |  | latin\_name | Latin name of species e.g.  Dama dama (European) | Text | 50 |
| bone\_type | Names of different bones | bone\_type\_id |  | bone\_type\_id | Unique ID. Primary key | Number |  |
|  |  |  |  | bone\_type\_name | Name of bone e.g. Femur | Text | 15 |
| bone\_measurement | Details of any measurements associated with bone | site\_code,  reference\_id,  period\_id,  bone\_id,  measurement\_type\_code | measurement\_type\_code | site\_code | Part of composite primary key. References site\_code in primary key for table bone | Text | 7 |
|  |  |  |  | reference\_id | Part of composite primary key. References reference\_id in primary key for table bone | Number |  |
|  |  |  |  | period\_id | Part of composite primary key. References period\_id in primary key for table bone | Number |  |
|  |  |  |  | bone\_id | Part of composite primary key. References bone\_id in primary key for table bone | Number |  |
|  |  |  |  | measurement\_type\_code | Foreign key referencing primary key measurement\_type\_code in table measurement\_type | Text | 5 |
|  |  |  |  | measurement\_value | The value of the measurement in millimeters | Number |  |
| measurement\_type | measurement\_type\_code | Descriptions of the various measurements for bones |  | measurement\_type\_code | Unique code. Primary key | Text | 5 |
|  |  |  |  | measurement\_type\_name | The name of the measurement | Text | 80 |
|  |  |  |  | reference | Details of the publication in which the measurement is defined | Text | 50 |