Data Dictionary

Site

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Required** | **Data Type** | **Maximum Length** | **Range/List** |
| SiteID | Yes | Auto-number | 5 | Primary Key |
| SiteName | Yes | Text | 30 | - |
| Area | Yes | Integer | 10 | 100 to 9999999999 inclusive |
| Altitude | Yes | Integer | 5 | 0 to 99999 inclusive |
| SiteType | Yes | Text | 21 | strict nature reserve, national park, wildlife reserve, state reserve, hunting reserve |
| Status | Yes | Text | 10 | normal, threatened |

Habitat

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Required** | **Data Type** | **Maximum Length** | **Range/List** |
| HabitatID | Yes | Auto-number | 4 | Primary Key |
| HabitatDescription | Yes | Text | 30 | - |
| HabitatType | Yes | Text | 15 | - |

Site Habitat

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Required** | **Data Type** | **Maximum Length** | **Range/List** |
| SiteHabitatID | Yes | Auto-number | 6 | Primary Key |
| SiteHabitatName | Yes | Text | 30 | - |
| Area | Yes | Integer | 10 | 100 to 9999999999 inclusive |
| HabitatID | Yes | Foreign Key | 4 | - |
| SiteID | Yes | Foreign Key | 5 | - |

Land Use

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Required** | **Data Type** | **Maximum Length** | **Range/List** |
| LandUseID | Yes | Auto-number | 3 | Primary Key |
| LandUseDescription | Yes | Text | 30 | - |
| LandUseType | Yes | Text | 15 | Hunting, Fishing, Agriculture, Waste disposal, Aquaculture, Tourism, Industrial |

Assigned Land Use

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Required** | **Data Type** | **Maximum Length** | **Range/List** |
| SiteHabitatID | Yes | Foreign Key | 6 | - |
| LandUseID | Yes | Foreign Key | 3 | - |
| Impact | Yes | Text | 6 | high, medium, low |

Sponsor

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Required** | **Data Type** | **Maximum Length** | **Range/List** |
| SponsorID | Yes | Auto-number | 4 | Primary Key |
| SponsorName | Yes | Text | 30 | - |
| StreetAddress | Yes | Text | 50 | - |
| Suburb | Yes | Text | 20 | - |
| City | Yes | Text | 20 | - |
| PhoneNumber | No | Text | 15 | - |
| EmailAddress | Yes | Text | 30 | - |

Survey

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Required** | **Data Type** | **Maximum Length** | **Range/List** |
| SurveyID | Yes | Auto-number | 5 | Primary Key |
| SurveyName | Yes | Text | 30 | - |
| Budget | Yes | Currency | 5 | 50.00 to 50000.00 inclusive |
| StartDate | Yes | Date | 10 | Format: DD/MM/YYYY |
| EndDate | Yes | Date | 10 | Format: DD/MM/YYYY |
| Status | Yes | Text | 10 | ratified, unratified |
| SponsorID | Yes | Foreign Key | 4 | - |

Animal

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Required** | **Data Type** | **Maximum Length** | **Range/List** |
| AnimalID | Yes | Auto-number | 5 | Primary Key |
| CommonName | Yes | Text | 40 | - |
| GenusName | Yes | Text | 40 | - |
| SpeciesName | Yes | Text | 40 | - |
| AnimalType | Yes | Text | 6 | bird, mammal, reptile, fish |

Observation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Required** | **Data Type** | **Maximum Length** | **Range/List** |
| SiteHabitatID | Yes | Foreign Key | 6 | - |
| SurveyID | Yes | Foreign Key | 5 | - |
| AnimalID | Yes | Foreign Key | 5 | - |
| NumberObserved | Yes | Integer | 3 | 1 to 300 inclusive |
| ObservationDate | Yes | Date | 10 | Format: DD/MM/YYYY |
| Status | Yes | Text | 11 | confirmed, unconfirmed |