# **Updated Habitat Monitoring Database Template v2.6.0 - Change History**

## Sources:

**Fen Pilot Database:** *SPFS19\_Database\_01b.accdb* – 07/04/2021 12:07

**Superseded: Habitat Monitoring Template Database**: *Hab\_Mon\_database\_template\_v2\_5\_4.accdb* 26/007/2019

**Revised Products:**

1. **Habitat Monitoring Database Template data model v2.6.0** based on Dr Fionnuala O’Neill Requests for Change (RFC)
2. **Habitat Monitoring Database Template data dictionary v2.6.0** (*Habitat\_Monitoring\_Database\_dictionary\_v2\_6\_0.pdf*)
3. **Habitat Monitoring Database Template Access Database v2.6.0 (***Hab\_Mon\_database\_template\_v2\_6\_0)*.

# Introduction

This document supplies a history of changes to the NPWS Habitat Monitoring Database Template products based on feedback from Dr Fionnuala O’Neill (BEC) arising from the use of the database template v2.5.4 in the NPWS Fen Pilot Project (2020-2021). The database template data model was updated to reflect the agreed changes. This revised model v2.6.0 was integrated into a new version of the data dictionary document along with associated updates to the table descriptions. Lastly, version 2.5.4 of the Access database template was updated to reflect the agreed structural changes to produce v2.6.0 of the Access database template.

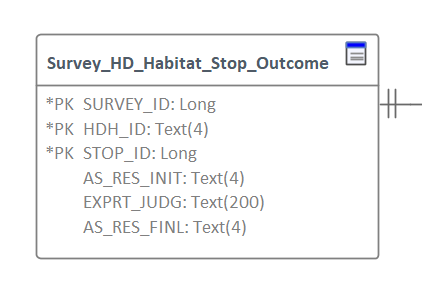
Table 1 below lists all the changes made to the data model and the database. This table is followed by the listing of a new table added to the dictionary and the database.

**Table 1. Updates Implemented in Habitat Monitoring Template 2.6.0**

| Table | Action | Attribute | Status |
| --- | --- | --- | --- |
| Conservation\_Measure | Added MAIN\_PRSUR as in the v2.5.4 database template | MAIN\_PRSUR Text (120) | Implemented in Data Model v2.6.0. Already in 2.5.4 so in v2.6.0 of database. Updated data dictionary v2.6.0 |
| Designated Site | Dropped DESIG\_ABBR. Already in table DESIGNATION |  | Implemented in Data Model v2.6.0 and dropped from v2.6.0 of database. Updated data dictionary v2.6.0 |
| Indicator | Added INDIC\_ID | INDIC\_ID (Integer) | Implemented in Data Model v2.6.0 and v2.6.0 of database. Reset as Primary Key after dropping relationship. Added INDIC\_ID. Updated data dictionary v2.6.0. |
| Ownership\_Type | Corrected OWNR\_TYPE data type to Integer | OWNR\_TYPE Integer | Implemented in Data Model v2.6.0. Already Integer in v2.5.4 and in v2.6.0 of database. Already in data dictionary v2.6.0. |
| Site | Dropped attribute ALTITUDE. |  | Implemented in Data Model v2.6.0 and v2.6.0 of database. . Updated data dictionary v2.6.0. |
| Site | Added MIN\_ALT. Replaces ALTITUDE | MIN\_ALT Long | Implemented in Data Model v2.6.0 and v2.6.0 of database. . Updated data dictionary v2.6.0. |
| Site | Added MAX\_ALT. Replaces ALTITUDE | MAX\_ALT Long | Implemented in Data Model v2.6.0 and v2.6.0 of database. . Updated data dictionary v2.6.0. |
| Site | Dropped OWNER\_TYPE. Already in table SITE\_OWNERSHIP |  | Implemented in Data Model v2.6.0 and v2.6.0 of database. . Updated data dictionary v2.6.0. |
| Site | Dropped IS\_OW\_SENS. Moved to table SITE\_OWNERSHIP |  | Implemented in Data Model v2.6.0 and v2.6.0 of database. . Updated data dictionary v2.6.0. |
| Site\_Ownership | Added IS\_OW\_SENS. Moved from table SITE. | IS\_OW\_SENS Boolean | Implemented in Data Model v2.6.0 and v2.6.0 of database. . Updated data dictionary v2.6.0. |
| Survey | Added CONSRV\_SCR | CONSRV\_SCR Integer | Implemented in Data Model v2.6.0 and v2.6.0 of database. . Updated data dictionary v2.6.0. |
| Survey | Added THREATSCOR | THREATSCOR Integer | Implemented in Data Model v2.6.0 and v2.6.0 of database. . Updated data dictionary v2.6.0. |
| Survey\_HC\_Habitat | Added HCH\_ID to primary key |  | Implemented in Data Model v2.6.0 and v2.6.0 of database. Already in data dictionary v2.6.0. |
| Survey\_HC\_Habitat | Added HCH\_AREA (habitat area in hectares) | HCH\_AREA Double | Implemented in Data Model v2.6.0 and v2.6.0 of database. . Updated data dictionary v2.6.0. |
| Survey\_HC\_Habitat | Added HCH\_ARWHO | HCH\_ARWHO Text (50) | Implemented in Data Model v2.6.0 and v2.6.0 of database. . Updated data dictionary v2.6.0. |
| Survey\_HC\_Habitat | Added HCH\_ARDATE | HCH\_ARDATE Date | Implemented in Data Model v2.6.0 and v2.6.0 of database. . Updated data dictionary v2.6.0. |
| Survey\_HC\_Habitat | Added HCH\_SOURCE (area source) | HCH\_SOURCE Text (200) | Implemented in Data Model v2.6.0 and v2.6.0 of database. . Updated data dictionary v2.6.0 |
| Survey\_HC\_Habitat | Added HCH\_ARNOTE (area note) | HCH\_ARNOTE Memo | Implemented in Data Model v2.6.0 and v2.6.0 of database. . Updated data dictionary v2.6.0 |
| Survey\_HD\_Habitat | Added HDH\_ARWHO | HDH\_ARWHO Text (50) | Implemented in Data Model v2.6.0 and v2.6.0 of database. . Updated data dictionary v2.6.0 |
| Survey\_HD\_Habitat | Added HDH\_ARDATE | HDH\_ARDATE Date | Implemented in Data Model v2.6.0 and v2.6.0 of database. . Updated data dictionary v2.6.0 |
| Survey\_HD\_Habitat | Added HDH\_SOURCE | HDH\_SOURCE Text (200) | Implemented in Data Model v2.6.0 and v2.6.0 of database. . Updated data dictionary v2.6.0 |
| Survey\_HD\_Habitat | Added HDH\_ARNOTE | HDH\_ARNOTE Memo | Implemented in Data Model v2.6.0 and v2.6.0 of database. . Updated data dictionary v2.6.0 |
| Survey\_HD\_habitat\_impacting\_activity | Renamed I\_INFLUENCE to I\_INFLUENC |  | Implemented in Data Model v2.6.0 and v2.6.0 of database. . Updated data dictionary v2.6.0 |
| Survey\_HD\_habitat\_impacting\_activity | Renamed OCCURNCE to OCCURRENCE |  | Implemented in Data Model v2.6.0 and v2.6.0 of database. . Updated data dictionary v2.6.0 |
| Survey\_HD\_Habitat\_Structure&Function | Dropped SITE\_ID |  | Implemented in Data Model v2.6.0 and v2.6.0 of database. Dropped and rebuilt primary key after attribute deletion. |
| Survey\_HD\_Habitat\_Assessment | Dropped HDH\_AREA represented in table: SURVEY\_HD\_HABITAT |  | Implemented in Data Model v2.6.0 and v2.6.0 of database. . Updated data dictionary v2.6.0. NOTE: This attribute is replicated in table **SURVEY\_HD\_HABITAT**. Previously considered that might be necessary here as value may change. Now deleted from Survey\_HD\_Habitat\_Assessment |
| Survey\_HD\_Habitat\_Assessment | EXPRT\_JUDG increased from 80 to 125 characters | EXPRT\_JUDG Text (125) | Implemented in Data Model v2.6.0 and v2.6.0 of database. . Updated data dictionary v2.6.0 |
| Survey\_HD\_Habitat\_Stop | Changed SAMPL\_TYPE to Text (21) |  | Implemented in Data Model v2.6.0 and v2.6.0 of database. . Updated data dictionary v2.6.0 |
| Survey\_HD\_Habitat\_Stop\_Indicator\_outcome | Dropped EXPRT\_JUDG |  | Implemented in Data Model v2.6.0 and v2.6.0 of database. . Updated data dictionary v2.6.0 |
| Survey\_HD\_Habitat\_Stop\_Indicator\_outcome | Dropped SRVY\_DATE |  | Implemented in Data Model v2.6.0 and v2.6.0 of database. . Updated data dictionary v2.6.0 |
| Survey\_HD\_Habitat\_Stop\_Indicator\_outcome | Retained IA\_NOTE in data model, dictionary, and database as this attribute still in use in the Fen Pilot database |  | Implemented in Data Model v2.6.0 and v2.6.0 of database. Retained in model, dictionary, and database. Confirm retention in Habitat Monitoring Database template. |
| Survey\_HD\_Habitat\_Stop\_Indicator\_outcome | Added INDIC\_ID | INDIC\_ID Integer | Implemented in Data Model v2.6.0 and added to v2.6.0 of database. Then rebuilt relationship link. Updated data dictionary v2.6.0 |
| Survey\_HD\_Habitat\_Stop\_Indicator\_outcome | Dropped INDICATOR as represented by INDIC\_ID (linked to INDICATOR table) |  | Implemented in Data Model v2.6.0 and v2.6.0 of database. Updated data dictionary v2.6.0 |
| Survey\_HD\_Habitat\_Stop\_Indicator\_outcome | Renamed AS\_OUTCOME attribute to IND\_OUT\_AS | IND\_OUT\_AS Text (4) | Implemented in Data Model v2.6.0 and added to v2.6.0 of database. Then rebuilt relationship link. Updated data dictionary v2.6.0 |
| Survey\_Site | Dropped CONSRV\_SCR. Moved to table SURVEY. |  | Implemented in Data Model v2.6.0 and v2.6.0 of database. Updated data dictionary v2.6.0 |
| Survey\_Site | Dropped THREATSCOR. Moved to table SURVEY. |  | Implemented in Data Model v2.6.0 and v2.6.0 of database. Updated data dictionary v2.6.0 |

# New Table: Survey\_HD\_Habitat\_Stop\_Outcome:

The structure of this new database table mirrors the table structure supplied by Dr Fionnuala O’Neill of BEC for the NPWS Fen Pilot Project.



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SURVEY\_HD\_HABITAT\_STOP\_OUTCOME** | |  | | |
|  | **SURVEY\_ID** | Integer | True | Survey ID. Monitoring Survey Identifier code |
|  | **HDH\_ID** | Text(4) | True | Habitats Directive Habitat Identifier code |
|  | **STOP\_ID** | Long Int | True | Unique Stop Identifier |
|  | AS\_RES\_INT | Text(4) | False | Initial stop assessment result (pass or fail) before expert judgement applied |
|  | EXPRT\_JUDG | Text(200) | False | For stops that are failing, rationale for expert judgement decision |
|  | AS\_RES\_FINL | Text(4) | False | Final stop assessment result (pass or fail) after expert judgement has been applied |

**Other actions completed in Habitat Monitoring Database Template v2.6.0:**

The DESIGNATED\_SITE table was updated to include Designated NHA Sites.

Edwin Wymer

31/05/2021