

## Appendix B - Habitat Suitability Index Scores of Ponds



|                        |             |                                  |             |             |             |             |                |  |
|------------------------|-------------|----------------------------------|-------------|-------------|-------------|-------------|----------------|--|
| Project: Great Billing |             | Weather: Dry, breezy, around 7°C |             |             |             |             | Date: 16/02/18 |  |
| Project Number: 776175 |             |                                  |             |             |             |             |                |  |
| Pond Ref:              | 1           | 2                                | 3A          | 3           | 4           | 5           | 9              |  |
| SI1 - Location         | 1           | 1                                | 1           | 1           | 1           | 1           | 1              |  |
| SI2 - Pond area        | 0.4         | 0.97                             | 0.5         | 0.8         | 0.83        | 0.2         | 0.2            |  |
| SI3 - Pond Drying      | 0.1         | 0.9                              | 0.5         | 1           | 0.5         | 0.1         | 0.1            |  |
| SI4 - Water quality    | 0.67        | 0.33                             | 0.01        | 0.33        | 0.67        | 0.67        | 0.67           |  |
| SI4 - Shade            | 0.4         | 1                                | 1           | 1           | 0.6         | 0.4         | 0.4            |  |
| SI6 - Fowl             | 0.67        | 0.67                             | 0.67        | 0.67        | 0.67        | 1           | 1              |  |
| SI7 - Fish             | 1           | 0.67                             | 0.67        | 0.67        | 0.67        | 0.67        | 0.67           |  |
| SI8 - Ponds            | 0.7         | 0.7                              | 0.7         | 0.7         | 0.7         | 0.7         | 0.7            |  |
| SI9 - Terr'l Habitat   | 1           | 1                                | 1           | 1           | 1           | 1           | 1              |  |
| SI10 - Macrophytes     | 1           | 0.5                              | 0.3         | 0.5         | 1           | 0.9         | 0.9            |  |
| <b>HSI</b>             | <b>0.59</b> | <b>0.73</b>                      | <b>0.43</b> | <b>0.73</b> | <b>0.74</b> | <b>0.54</b> | <b>0.54</b>    |  |

| Pond No | HSI Score | Pond Suitability |
|---------|-----------|------------------|
| 1       | 0.59      | Below average    |
| 2       | 0.73      | Good             |
| 3A      | 0.43      | Poor             |
| 3       | 0.73      | Good             |
| 4       | 0.74      | Good             |
| 5       | 0.54      | Below average    |
| 9       | 0.54      | Below average    |

| HSI Score | Pond suitability |
|-----------|------------------|
| <0.5      | Poor             |
| 0.5-0.59  | Below average    |
| 0.6-0.69  | Average          |
| 0.7-0.79  | Good             |
| >0.8      | Excellent        |