

Appendix 9.5 Ecology Solutions 2012 Bat Survey Data

Location 1 (see Figure 9.3)

Date: 29 August 2012

Temperature / Weather Conditions 15°C, 30% Cloud
(when equipment deployed): Cover, light breeze

Bats Recorded

| <i>Time</i> | <i>Species</i> | <i>Number</i> | <i>Time</i> | <i>Species</i> | <i>Number</i> |
|-------------|----------------|---------------|-------------|----------------|---------------|
| 20:58 | Pip45 | 1 | 22:11 | Myotis | 1 |
| 21:10 | Pip45 | 1 | 22:13 | Myotis | 1 |
| 21:19 | Myotis | 1 | 22:15 | Myotis | 1 |
| 21:19 | Pip55 | 1 | 22:17 | Myotis | 1 |
| 21:22 | Myotis | 1 | 22:18 | Pip45 | 1 |
| 21:22 | Pip55 | 1 | 22:23 | Myotis | 1 |
| 21:23 | Myotis | 1 | 22:23 | Pip45 | 1 |
| 21:24 | Myotis | 1 | 22:24 | Myotis | 1 |
| 21:24 | Pip45 | 1 | 22:26 | Pip45 | 1 |
| 21:26 | Pip55 | 1 | 22:27 | Pip45 | 1 |
| 21:27 | Myotis | 1 | 22:30 | Myotis | 1 |
| 21:28 | Myotis | 1 | 22:30 | Pip45 | 2 |
| 21:29 | Myotis | 1 | 22:33 | Myotis | 1 |
| 21:30 | Pip55 | 1 | 22:41 | Myotis | 1 |
| 21:31 | Myotis | 1 | 22:48 | Pip45 | 1 |
| 21:33 | Myotis | 1 | 22:56 | Pip45 | 1 |
| 21:35 | Myotis | 1 | 23:00 | Myotis | 1 |
| 21:36 | Myotis | 2 | 23:00 | Pip45 | 1 |
| 21:38 | Pip55 | 1 | 23:01 | Pip45 | 1 |
| 21:39 | Myotis | 1 | 23:02 | Myotis | 1 |
| 21:39 | Pip55 | 1 | 23:05 | Pip55 | 1 |
| 21:40 | Myotis | 2 | 23:09 | Pip45 | 1 |
| 21:41 | Myotis | 1 | 23:14 | Myotis | 1 |
| 21:42 | Myotis | 2 | 23:14 | Pip55 | 2 |
| 21:43 | Pip55 | 1 | 23:17 | Myotis | 1 |
| 21:44 | Myotis | 3 | 23:17 | Pip55 | 1 |
| 21:44 | Pip55 | 1 | 23:18 | Myotis | 1 |
| 21:45 | Myotis | 2 | 23:18 | Pip45 | 1 |
| 21:46 | Myotis | 1 | 23:19 | Myotis | 1 |
| 21:51 | Myotis | 1 | 23:27 | Pip45 | 1 |
| 21:52 | Myotis | 2 | 23:27 | Pip55 | 1 |
| 21:52 | Pip55 | 1 | 23:28 | Pip45 | 1 |
| 21:54 | Pip45 | 1 | 23:28 | Pip55 | 1 |
| 21:57 | Myotis | 1 | 23:31 | Pip45 | 1 |
| 21:58 | Myotis | 1 | 23:39 | Pip45 | 1 |
| 21:58 | Pip55 | 2 | 23:40 | Myotis | 1 |
| 22:04 | Myotis | 1 | 23:46 | Myotis | 1 |
| 22:08 | Myotis | 1 | 23:49 | Myotis | 1 |
| 22:09 | Pip55 | 1 | 23:50 | Myotis | 1 |
| 22:22 | Myotis | 1 | 23:52 | Pip45 | 1 |

N.B. Number of registrations represents the number of bats recorded within any given minute

Key: Pip45 = Common Pipistrelle, Pip55 = Soprano Pipistrelle, Pip = *Pipistrelle sp.*, Myotis = *Myotis sp.*, Leisler = Leisler's Bat

Location 1 continued (see Figure 9.3)

Date: 29 August 2012
Temperature / Weather Conditions 15°C, 30% Cloud
(when equipment deployed): Cover, light breeze

Bats Recorded

| <i>Time</i> | <i>Species</i> | <i>Number</i> |
|-------------|----------------|---------------|
| 23:55 | Pip45 | 1 |
| 23:57 | Pip45 | 1 |
| 00:02 | Myotis | 1 |
| 00:06 | Pip55 | 1 |
| 00:08 | Myotis | 1 |
| 00:17 | Pip55 | 1 |
| 00:28 | Myotis | 1 |
| 00:30 | Pip55 | 1 |
| 00:35 | Myotis | 1 |
| 00:36 | Myotis | 1 |
| 00:36 | Pip55 | 2 |
| 00:37 | Myotis | 2 |
| 00:38 | Myotis | 1 |
| 00:38 | Pip55 | 2 |
| 00:39 | Myotis | 1 |
| 00:41 | Myotis | 1 |
| 00:43 | Myotis | 1 |
| 00:46 | Pip55 | 1 |
| 00:47 | Pip45 | 1 |
| 00:53 | Pip45 | 1 |
| 00:57 | Pip55 | 1 |

N.B. Number of registrations represents the number of bats recorded within any given minute

Key: Pip45 = Common Pipistrelle, Pip55 = Soprano Pipistrelle, Pip = *Pipistrelle sp.*, Myotis = *Myotis sp.*, Leisler = Leisler's Bat

Location 2 (see Figure 9.3)

Date: 05 September 2012

Temperature / Weather Conditions 15°C, 30% Cloud
(when equipment deployed): Cover, light breeze

Bats Recorded

| <i>Time</i> | <i>Species</i> | <i>Number</i> | <i>Time</i> | <i>Species</i> | <i>Number</i> |
|-------------|----------------|---------------|-------------|----------------|---------------|
| 20:16 | Leisler | 1 | 22:01 | Pip45 | 3 |
| 20:32 | Pip45 | 1 | 22:06 | Pip45 | 3 |
| 20:34 | Leisler | 1 | 22:12 | Leisler | 1 |
| 20:34 | Pip45 | 2 | 22:38 | Myotis | 1 |
| 20:39 | Pip45 | 2 | 22:43 | Myotis | 1 |
| 20:47 | Pip55 | 1 | 22:47 | Pip45 | 2 |
| 20:55 | Pip45 | 1 | 22:49 | Pip55 | 2 |
| 20:56 | Pip55 | 1 | 23:01 | Pip45 | 2 |
| 21:07 | Pip55 | 2 | 23:05 | Pip45 | 2 |
| 21:11 | Pip45 | 7 | 23:08 | Pip55 | 1 |
| 21:12 | Pip45 | 4 | 23:37 | Pip55 | 3 |
| 21:13 | Pip45 | 3 | 00:16 | Pip45 | 1 |
| 21:13 | Pip55 | 1 | 00:48 | Pip45 | 2 |
| 21:18 | Pip45 | 1 | 00:49 | Pip45 | 1 |
| 21:25 | Pip45 | 2 | 00:56 | Pip45 | 2 |
| 21:34 | Pip55 | 1 | 00:57 | Pip45 | 2 |
| 21:35 | Pip55 | 2 | 01:23 | Myotis | 2 |
| 21:37 | Leisler | 1 | 01:32 | Pip45 | 1 |
| 21:40 | Pip45 | 4 | 01:32 | Pip55 | 1 |
| 21:44 | Pip55 | 1 | 01:53 | Pip55 | 1 |
| 21:45 | Pip45 | 2 | 02:13 | Leisler | 1 |
| 21:49 | Pip45 | 4 | 02:38 | Pip45 | 1 |
| 21:50 | Pip45 | 1 | 02:47 | Pip55 | 1 |
| 21:53 | Pip45 | 3 | 03:56 | Myotis | 1 |
| 21:54 | Pip45 | 2 | | | |

N.B. Number of registrations represents the number of bats recorded within any given minute

Key: Pip45 = Common Pipistrelle, Pip55 = Soprano Pipistrelle, Pip = *Pipistrelle sp.*, Myotis = *Myotis sp.*, Leisler = Leisler's Bat

Location 3 (see Figure 9.3)

Date: 18 September 2012

Temperature / Weather Conditions 9°C, Clear skys and
(when equipment deployed): breeze

Bats Recorded

| <i>Time</i> | <i>Species</i> | <i>Number</i> |
|-------------|----------------|---------------|
| 21:50 | Pip45 | 1 |
| 01:49 | Myotis | 1 |

N.B. Number of registrations represents the number of bats recorded within any given minute

Key: Pip45 = Common Pipistrelle, Pip55 = Soprano Pipistrelle, Pip = *Pipistrelle sp.*, Myotis = *Myotis sp.*, Leisler = Leisler's Bat

Location 4 (see Figure 9.3)

Date: 18 September 2012

Temperature / Weather Conditions 9°C, Clear skys and
(when equipment deployed): breeze

Bats Recorded

Time Species Number

No registrations recorded

N.B. Number of registrations represents the number of bats recorded within any given minute

Key: Pip45 = Common Pipistrelle, Pip55 = Soprano Pipistrelle, Pip = *Pipistrelle sp.*, Myotis = *Myotis sp.*, Leisler =
Leisler's Bat

Location 5 (see Figure 9.3)

Date: 04 October 2012

Temperature / Weather Conditions 7°C, 40% Cloud Cover, some
(when equipment deployed): showers

Bats Recorded

| <i>Time</i> | <i>Species</i> | <i>Number</i> | <i>Time</i> | <i>Species</i> | <i>Number</i> |
|-------------|----------------|---------------|-------------|----------------|---------------|
| 19:12 | Pip45 | 1 | 20:54 | Pip | 3 |
| 19:13 | Pip45 | 2 | 20:54 | Pip45 | 1 |
| 19:13 | Pip55 | 6 | 20:55 | Pip | 3 |
| 19:14 | Pip55 | 2 | 20:55 | Pip45 | 9 |
| 19:14 | Pip45 | 3 | 20:55 | Pip45 | 1 |
| 19:14 | Pip55 | 2 | 20:56 | Pip | 6 |
| 19:14 | Pip45 | 1 | 20:56 | Pip45 | 2 |
| 19:14 | Pip45 | 1 | 20:56 | Pip55 | 3 |
| 19:14 | Pip55 | 2 | 20:57 | Pip | 4 |
| 19:44 | Pip45 | 1 | 20:57 | Pip45 | 3 |
| 19:52 | Pip45 | 1 | 20:57 | Pip55 | 1 |
| 20:40 | Pip45 | 2 | 20:58 | Pip | 6 |
| 20:40 | Pip55 | 1 | 20:58 | Pip45 | 4 |
| 20:51 | Pip45 | 1 | 20:58 | Pip55 | 1 |
| 20:51 | Pip45 | 1 | 20:59 | Pip | 1 |
| 20:51 | Pip55 | 1 | 20:59 | Pip45 | 6 |
| 20:52 | Pip45 | 2 | 20:59 | Pip55 | 3 |
| 20:52 | Pip55 | 3 | 22:37 | Pip45 | 1 |
| 20:53 | Pip45 | 7 | 22:47 | Pip45 | 2 |
| 20:54 | Pip45 | 1 | 23:45 | Pip55 | 1 |
| 20:54 | Pip | 3 | 23:49 | Myotis | 1 |

N.B. Number of registrations represents the number of bats recorded within any given minute

Key: Pip45 = Common Pipistrelle, Pip55 = Soprano Pipistrelle, Pip = *Pipistrelle sp.*, Myotis = *Myotis sp.*, Leisler = Leisler's Bat

Location 6 (see Figure 9.3)

Date: 04 October 2012

Temperature / Weather Conditions 7°C, 40% Cloud Cover, some
(when equipment deployed): showers

Bats Recorded

| <i>Time</i> | <i>Species</i> | <i>Number</i> | <i>Time</i> | <i>Species</i> | <i>Number</i> |
|-------------|----------------|---------------|-------------|----------------|---------------|
| 19:32 | Pip45 | 2 | 20:09 | Pip45 | 3 |
| 19:32 | Pip55 | 1 | 20:10 | Pip45 | 2 |
| 19:33 | Pip45 | 3 | 20:10 | Pip55 | 1 |
| 19:34 | Pip45 | 1 | 20:11 | Pip55 | 5 |
| 19:35 | Pip55 | 1 | 20:12 | Pip55 | 5 |
| 19:36 | Pip45 | 1 | 20:13 | Pip45 | 1 |
| 19:36 | Pip55 | 1 | 20:13 | Pip55 | 4 |
| 19:37 | Pip45 | 2 | 20:14 | Pip55 | 4 |
| 19:37 | Pip55 | 1 | 20:15 | Pip55 | 3 |
| 19:38 | Pip45 | 3 | 20:16 | Pip55 | 5 |
| 19:39 | Pip45 | 3 | 20:17 | Pip55 | 3 |
| 19:40 | Pip45 | 1 | 20:18 | Pip55 | 3 |
| 19:41 | Pip45 | 4 | 20:19 | Pip55 | 4 |
| 19:45 | Pip45 | 3 | 20:20 | Pip55 | 4 |
| 19:46 | Pip45 | 3 | 20:21 | Pip55 | 3 |
| 19:47 | Pip55 | 1 | 20:22 | Pip55 | 4 |
| 19:48 | Pip55 | 4 | 20:23 | Pip55 | 4 |
| 19:49 | Pip45 | 1 | 20:24 | Pip55 | 3 |
| 19:49 | Pip55 | 1 | 20:25 | Pip55 | 4 |
| 19:51 | Pip45 | 1 | 20:26 | Pip55 | 4 |
| 19:51 | Pip55 | 3 | 20:27 | Pip55 | 5 |
| 19:52 | Pip55 | 2 | 20:28 | Pip55 | 4 |
| 19:53 | Pip45 | 1 | 20:29 | Pip55 | 4 |
| 19:53 | Pip55 | 2 | 20:30 | Pip55 | 4 |
| 19:54 | Pip55 | 5 | 20:31 | Pip55 | 3 |
| 19:55 | Pip55 | 3 | 20:32 | Pip45 | 1 |
| 19:56 | Pip55 | 3 | 20:32 | Pip55 | 1 |
| 19:57 | Pip55 | 1 | 20:33 | Pip55 | 1 |
| 19:58 | Pip45 | 1 | 20:35 | Pip45 | 1 |
| 19:58 | Pip55 | 3 | 20:36 | Pip45 | 3 |
| 19:59 | Pip55 | 1 | 20:37 | Pip45 | 2 |
| 20:01 | Pip55 | 2 | 20:38 | Pip45 | 1 |
| 20:02 | Pip45 | 1 | 20:39 | Pip45 | 4 |
| 20:02 | Pip55 | 1 | 20:40 | Pip45 | 2 |
| 20:03 | Pip45 | 1 | 20:41 | Pip45 | 2 |
| 20:04 | Pip45 | 4 | 20:44 | Pip55 | 4 |
| 20:05 | Pip45 | 1 | 20:45 | Pip55 | 2 |
| 20:06 | Pip45 | 3 | 20:46 | Pip55 | 3 |
| 20:07 | Pip45 | 3 | 20:47 | Pip55 | 4 |
| 20:20 | Pip45 | 2 | 20:53 | Pip55 | 3 |

N.B. Number of registrations represents the number of bats recorded within any given minute

Key: Pip45 = Common Pipistrelle, Pip55 = Soprano Pipistrelle, Pip = *Pipistrelle sp.*, Myotis = *Myotis sp.*, Leisler = Leisler's Bat

Location 6 continued (see Figure 9.3)

Date: 04 October 2012

Temperature / Weather Conditions 7°C, 40% Cloud Cover, some
(when equipment deployed): showers

Bats Recorded

| <i>Time</i> | <i>Species</i> | <i>Number</i> |
|-------------|----------------|---------------|
| 20:54 | Pip55 | 4 |
| 20:55 | Pip55 | 5 |
| 20:57 | Pip55 | 1 |
| 20:58 | Pip55 | 5 |
| 21:21 | Pip45 | 1 |
| 21:24 | Pip55 | 1 |
| 21:25 | Pip55 | 2 |
| 21:37 | Pip55 | 2 |
| 21:38 | Pip55 | 2 |
| 21:39 | Pip55 | 1 |
| 21:47 | Pip55 | 1 |
| 21:50 | Pip55 | 1 |
| 21:55 | Pip55 | 1 |
| 22:02 | Pip55 | 2 |
| 22:05 | Pip55 | 1 |
| 22:06 | Pip55 | 1 |
| 22:14 | Pip55 | 1 |
| 22:44 | Pip55 | 1 |
| 22:47 | Pip55 | 1 |
| 22:51 | Pip55 | 1 |
| 22:52 | Pip55 | 1 |
| 22:53 | Pip55 | 4 |
| 22:54 | Pip55 | 2 |
| 22:55 | Pip55 | 1 |
| 22:56 | Pip55 | 4 |
| 22:59 | Pip55 | 1 |
| 23:00 | Pip55 | 1 |
| 23:02 | Pip55 | 2 |
| 23:03 | Pip55 | 1 |
| 23:07 | Pip55 | 1 |

N.B. Number of registrations represents the number of bats recorded within any given minute

Key: Pip45 = Common Pipistrelle, Pip55 = Soprano Pipistrelle, Pip = *Pipistrelle sp.*, Myotis = *Myotis sp.*, Leisler = Leisler's Bat

Location 7 (see Figure 9.3)

Date: 04 October 2012

Temperature / Weather Conditions 7°C, 40% Cloud Cover, some
(when equipment deployed): showers

Bats Recorded

| <i>Time</i> | <i>Species</i> | <i>Number</i> |
|-------------|----------------|---------------|
| 23:49 | Pip45 | 1 |

N.B. Number of registrations represents the number of bats recorded within any given minute

Key: Pip45 = Common Pipistrelle, Pip55 = Soprano Pipistrelle, Pip = *Pipistrelle sp.*, Myotis = *Myotis sp.*, Leisler = Leisler's Bat