**Table S1**. Substrates used to measure vibratory noise at each site. The super script shows the recording unit number used on that substrate.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Manmade** | | **Plant** | | |
| **Site** | **Unit A** | **Unit B** | **Unit C** | **Unit D** | **Type** |
| 1A | Concrete1 | Concrete7 | *Convallaria majalis*2 | *Convallaria majalis*8 | Herb |
| 1B | Metal3 | Wood9 | *Juniperus virginiana*4 | *Juniperus virginiana*10 | Tree |
| 1C | Paneling5 | Paneling11 | *Hosta plantaginea*6 | *Hosta plantaginea*12 | Herb |
| 2A | Concrete2 | Wood8 | *Euonymus fortunei*1 | *Euonymus fortunei*7 | Vine |
| 2B | Paneling3 | Paneling9 | *Paeonia lactiflora*4 | *Paeonia lactiflora*10 | Herb |
| 2C | Brick6 | Brick12 | *Taxus cuspidata*5 | *Taxus cuspidata*11 | Shrub |
| 3A | Paneling1 | Paneling7 | *Rubus allegheniensis*2 | *Rubus allegheniensis*8 | Shrub |
| 3B | Paneling3 | Wood9 | *Parthenocissus tricuspidata*4 | *Parthenocissus tricuspidata*10 | Vine |
| 3C | Paneling6 | Paneling12 | *Syringa vulgaris*5 | *Syringa vulgaris*11 | Shrub |
| 4A | Wood1 | Wood7 | *Hosta sieboldii*2 | *Hosta sieboldii*8 | Herb |
| 4B | Paneling4 | Paneling10 | *Polygonatum biflorum*3 | *Polygonatum biflorum*9 | Herb |
| 4C | Wood5 | Metal11 | *Glechoma hederacea*6 | *Glechoma hederacea*12 | Vine |
| 5A | Metal2 | Metal8 | *Picea pungens*1 | *Picea pungens*7 | Tree |
| 5B | Paneling3 | Wood9 | *Taxus canadensis*4 | *Taxus canadensis*10 | Shrub |
| 5C | Paneling5 | Concrete11 | *Spirea cantoniensis*6 | *Spirea cantoniensis*12 | Shrub |
| 6A | Brick2 | Brick8 | *Taxus cuspidata*1 | *Taxus cuspidata*7 | Shrub |
| 6B | Paneling3 | Metal9 | *Bromus inermis*4 | *Bromus inermis*10 | Herb |
| 6C | Concrete5 | Concrete11 | *Berberis thunbergii*6 | *Berberis thunbergii*12 | Shrub |
| 7A | Wood1 | Metal7 | *Viburnum lantana*2 | *Viburnum lantana*8 | Shrub |
| 7B | Concrete4 | Paneling10 | *Taxus canadensis*3 | *Taxus canadensis*9 | Shrub |
| 7C | Brick5 | Paneling11 | *Convallaria majalis*6 | *Convallaria majalis*12 | Herb |
| 8A | Concrete | Concrete | *Taxus canadensis* | *Spiraea japonica* | Shrub |
| 8B | Metal | Wood | *Glechoma hederacea* | *Hosta* | Vine, Herb |
| Cement | | *Tall Herbaceous Plant* | | Herb |

**Table S2**. Date and time of the start and end of each recording for each site with times that we switched the batteries in the recording units (check). The recordings in 2020 resulted from four visits between August and October (sites 1A-7C). In 2022, we recorded continuously across four consecutive days in August for 8A and three days with six recording units for 8B. Subscripts for 8B represents the recording units used.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **End** | 10/13/20 08:33 | 10/13/20 08:40 | 10/13/20 08:53 | 10/14/20 12:38 | 10/14/20 12:28 | 10/14/20 11:59 | 10/15/20 16:19 | 10/15/20 15:26 | 10/15/20 15:56 | 10/17/20 09:04 | 10/17/20 08:51 | 10/17/20 08:41 | 10/20/20 08:42 | 10/20/20 09:15 | 10/20/20 09:00 | 10/21/22 12:23 | 10/21/22 12:05 | 10/21/22 11:57 | 10/24/20 08:49 | 10/24/20 09:10 | 10/24/20 09:26 | 8/20/22 17:25 |  |  |
| **Visit 4** | **Check** | 10/12/20 17:30 | 10/12/20 18:21 | 10/12/20 18:53 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 10/23/20 16:30 | 10/23/20 16:53 | 10/23/20 17:14 | 8/19/22 16:28 |  |  |
|  | **Start** | 10/12/20 08:15 | 10/12/20 08:30 | 10/12/20 08:44 | 10/13/20 12:22 | 10/13/20 12:05 | 10/13/20 11:51 | 10/14/20 16:08 | 10/14/20 14:36 | 10/14/20 15:18 | 10/16/20 08:54 | 10/16/20 08:33 | 10/16/20 08:17 | 10/19/20 08:13 | 10/19/20 08:57 | 10/19/20 08:37 | 10/20/20 11:59 | 10/20/20 11:36 | 10/20/20 11:14 | 10/23/20 08:18 | 10/23/20 08:46 | 10/23/20 09:08 | 8/19/22 15:20 |  |  |
| **Visit 3** | **End** | 9/23/20 11:58 | 9/23/20 12:16 | 9/23/20 12:06 | 9/25/20 08:41 | 9/25/20 08:55 | 9/25/20 09:03 | 9/29/20 09:21 | 9/29/20 08:44 | 9/29/20 09:01 | 10/1/20 09:09 | 10/1/20 08:56 | 10/1/20 08:45 | 10/3/20 08:54 | 10/3/20 09:28 | 10/3/20 09:11 | 10/7/20 11:54 | 10/7/20 11:24 | 10/7/20 11:12 | 10/9/20 08:35 | 10/9/20 08:59 | 10/9/20 09:16 | 8/19/22 15:20 |  | 8/13/22 21:58 |
| **Check** | 9/22/20 18:47 | 9/22/20 19:04 | 9/22/20 18:54 | 9/24/20 17:09 | 9/24/20 17:23 | 9/24/20 17:31 | 9/28/20 18:21 | 9/28/20 17:59 | 9/28/20 17:43 | 9/30/20 18:39 | 9/30/20 18:28 | 9/30/20 18:19 |  |  |  |  |  |  |  |  |  | 8/18/22 16:06 |  | 8/12/22 22:03 |
| **Start** | 9/22/20 11:42 | 9/22/20 12:09 | 9/22/20 11:55 | 9/24/20 08:17 | 9/24/20 08:38 | 9/24/20 08:55 | 9/28/20 08:55 | 9/28/20 08:04 | 9/28/20 08:28 | 9/30/20 08:51 | 9/30/20 08:30 | 9/30/20 08:13 | 10/2/20 08:19 | 10/2/20 09:10 | 10/2/20 08:47 | 10/6/20 08:57 | 10/6/20 08:29 | 10/6/20 08:12 | 10/8/20 08:18 | 10/8/20 08:47 | 10/8/20 09:10 | 8/18/22 15:20 |  | 8/12/22 21:58 |
|  | **End** | 9/1/20 08:46 | 9/1/20 08:55 | 9/1/20 09:04 | 9/2/20 11:48 | 9/2/20 12:00 | 9/2/20 12:09 | 9/4/20 08:19 | 9/4/20 09:01 | 9/4/20 08:40 | 9/15/20 09:27 | 9/15/20 08:28 | 9/15/20 08:40 | 9/16/20 12:09 | 9/16/20 12:41 | 9/16/20 12:27 | 9/19/20 08:43 | 9/19/20 09:04 | 9/19/20 09:18 | 9/22/20 08:50 | 9/22/20 09:17 | 9/22/20 09:36 | 8/18/22 15:20 | 8/13/22 21:58 | 8/12/22 21:58 |
| **Visit 2** | **Check** | 8/31/20 17:15 | 8/31/20 17:33 | 8/31/20 17:24 | 9/1/20 18:17 | 9/1/20 18:28 | 9/1/20 18:35 | 9/3/20 18:56 | 9/3/20 18:30 | 9/3/20 18:13 | 9/14/20 18:52 | 9/14/20 18:11 | 9/14/20 18:35 | 9/15/20 18:11 | 9/15/20 18:44 | 9/15/20 18:28 | 9/18/20 18:09 | 9/18/20 18:30 | 9/18/20 18:49 | 9/21/20 17:15 | 9/21/20 17:46 | 9/21/20 18:03 | 8/17/22 15:35 | 8/12/22 22:03 |  |
|  | **Start** | 8/31/20 08:16 | 8/31/20 08:35 | 8/31/20 08:51 | 9/1/20 10:26 | 9/1/20 10:49 | 9/1/20 11:06 | 9/3/20 08:07 | 9/3/20 08:56 | 9/3/20 08:29 | 9/14/20 08:58 | 9/14/20 08:17 | 9/14/20 08:34 | 9/15/20 11:04 | 9/15/20 11:48 | 9/15/20 11:27 | 9/18/20 08:18 | 9/18/20 08:49 | 9/18/20 09:07 | 9/21/20 08:22 | 9/21/20 08:48 | 9/21/20 09:11 | 8/17/22 15:20 | 8/12/22 12:20 | 8/11/22 21:58 |
| **Visit 1** | **End** | 8/4/20 09:06 | 8/4/20 09:18 | 8/4/20 11:42 | 8/5/20 10:49 | 8/5/20 11:46 | 8/5/20 13:20 | 8/14/20 09:54 | 8/12/20 10:21 | 8/12/20 12:29 | 8/18/20 08:44 | 8/8/20 10:21 | 8/8/20 12:16 | 8/19/20 09:37 | 8/19/20 10:53 | 8/19/20 12:45 | 8/20/20 10:40 | 8/20/20 11:12 | 8/20/20 11:29 | 8/21/20 13:25 | 8/21/20 13:49 | 8/21/20 14:06 | 8/17/22 15:20 |  | 8/11/22 21:58 |
| **Check** | 8/3/20 16:57 | 8/3/20 18:00 | 8/3/20 17:10 | 8/4/20 17:16 | 8/4/20 17:29 | 8/4/20 17:40 | 8/13/20 17:15 | 8/11/20 18:15 | 8/11/20 18:34 | 8/17/20 17:08 | 8/7/20 16:29 | 8/7/20 16:42 | 8/18/20 17:06 | 8/18/20 17:48 | 8/18/20 17:29 | 8/19/20 17:12 | 8/19/20 17:33 | 8/19/20 18:07 | 8/20/20 19:16 | 8/20/20 19:38 | 8/20/20 20:03 |  |  | 8/11/22 20:49 |
| **Start** | 8/3/20 08:20 | 8/3/20 08:45 | 8/3/20 09:55 | 8/4/20 10:36 | 8/4/20 11:20 | 8/4/20 13:03 | 8/13/20 09:18 | 8/11/20 08:53 | 8/11/20 11:00 | 8/17/20 08:21 | 8/7/20 09:55 | 8/7/20 11:35 | 8/18/20 09:25 | 8/18/20 10:38 | 8/18/20 12:05 | 8/19/20 10:10 | 8/19/20 10:40 | 8/19/20 11:02 | 8/20/20 12:57 | 8/20/20 13:28 | 8/20/20 13:51 | 8/16/22 15:20 |  | 8/10/22 21:58 |
|  | **Site** | **1A** | **1B** | **1C** | **2A** | **2B** | **2C** | **3A** | **3B** | **3C** | **4A** | **4B** | **4C** | **5A** | **5B** | **5C** | **6A** | **6B** | **6C** | **7A** | **7B** | **7C** | **8A** | **8B7-10** | **8B11-12** |

**Table S3**. The total number of recordings per substrate at each site.

|  |  |  |  |
| --- | --- | --- | --- |
| **Site** | **Manmade** | **Plant** | **Total** |
| 1A | 6 | 7 | 13 |
| 1B | 6 | 7 | 13 |
| 1C | 5 | 8 | 13 |
| 2A | 5 | 6 | 11 |
| 2B | 5 | 6 | 11 |
| 2C | 2 | 6 | 8 |
| 3A | 8 | 5 | 13 |
| 3B | 7 | 8 | 15 |
| 3C | 6 | 6 | 12 |
| 4A | 3 | 8 | 11 |
| 4B | 7 | 8 | 15 |
| 4C | 8 | 8 | 16 |
| 5A | 6 | 6 | 12 |
| 5B | 7 | 6 | 13 |
| 5C | 6 | 8 | 14 |
| 6A | 4 | 8 | 12 |
| 6B | 7 | 8 | 15 |
| 6C | 2 | 8 | 10 |
| 7A | 8 | 7 | 15 |
| 7B | 7 | 7 | 14 |
| 7C | 4 | 8 | 12 |
| 8A | 6 | 7 | 13 |
| 8B | 7 | 7 | 14 |
| Total | 132 | 163 | 295 |