**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 | Metal | Wood | *Glechoma hederacea* | *Hosta* | Vine, Herb |
| Cement | | *Tall Herbaceous Plant* | | Herb |
| 8B | Concrete | Concrete | *Taxus canadensis* | *Spiraea japonica* | Shrub |

**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 three consecutive days in August for 8A with 6 recording units and four days with four recording units for 8B. Subscripts for 8A represent 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 |  | 8/13/22 21:58 | 8/19/22 15:20 |
| **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 |  |  |  |  |  |  |  |  |  |  | 8/12/22 22:03 | 8/18/22 16:06 |
| **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 |  | 8/12/22 21:58 | 8/18/22 15:20 |
|  | **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 | 8/13/22 21:58 | 8/12/22 21:58 | 8/18/22 15:20 |
| **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 | 8/12/22 22:03 |  | 8/17/22 15:35 |
|  | **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 | 8/12/22 12:20 | 8/11/22 21:58 | 8/17/22 15:20 |
| **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 |  | 8/11/22 21:58 | 8/17/22 15:20 |
| **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 |  | 8/10/22 21:58 | 8/16/22 15:20 |
|  | **Site** | **1A** | **1B** | **1C** | **2A** | **2B** | **2C** | **3A** | **3B** | **3C** | **4A** | **4B** | **4C** | **5A** | **5B** | **5C** | **6A** | **6B** | **6C** | **7A** | **7B** | **7C** | **8A7-10** | **8A11-12** | **8B** |

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

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Site** | **Visit 1** | | **Visit 2** | | **Visit 3** | | **Visit 4** | | **Site Totals** | | |
| **Plant** | **Manmade** | **Plant** | **Manmade** | **Plant** | **Manmade** | **Plant** | **Manmade** | **Plant Total** | **Manmade Total** | **Total** |
| **1A** | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 7 | 6 | 13 |
| **1B** | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 7 | 6 | 13 |
| **1C** | 2 | 1 | 2 | 0 | 2 | 2 | 2 | 2 | 8 | 5 | 13 |
| **2A** | 0 | 0 | 2 | 2 | 2 | 1 | 2 | 2 | 6 | 5 | 11 |
| **2B** | 0 | 0 | 2 | 2 | 2 | 1 | 2 | 2 | 6 | 5 | 11 |
| **2C** | 0 | 0 | 2 | 0 | 2 | 0 | 2 | 2 | 6 | 2 | 8 |
| **3A** | 0 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 5 | 8 | 13 |
| **3B** | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 8 | 7 | 15 |
| **3C** | 2 | 0 | 0 | 2 | 2 | 2 | 2 | 2 | 6 | 6 | 12 |
| **4A** | 2 | 0 | 2 | 0 | 2 | 1 | 2 | 2 | 8 | 3 | 11 |
| **4B** | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 8 | 7 | 15 |
| **4C** | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 8 | 8 | 16 |
| **5A** | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 2 | 6 | 6 | 12 |
| **5B** | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 6 | 7 | 13 |
| **5C** | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 8 | 6 | 14 |
| **6A** | 2 | 0 | 2 | 1 | 2 | 1 | 2 | 2 | 8 | 4 | 12 |
| **6B** | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 8 | 7 | 15 |
| **6C** | 2 | 0 | 2 | 1 | 2 | 1 | 2 | 0 | 8 | 2 | 10 |
| **7A** | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 7 | 8 | 15 |
| **7B** | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 7 | 7 | 14 |
| **7C** | 2 | 1 | 2 | 0 | 2 | 1 | 2 | 2 | 8 | 4 | 12 |
| **8A** | 3 | 3 | 3 | 3 | 1 | 1 |  |  | 7 | 7 | 14 |
| **8B** | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 7 | 6 | 13 |
| **Visit Total** | 33 | 21 | 39 | 29 | 36 | 31 | 41 | 38 | 163 | 132 | **295** |