

# Batch uploading process for BatAMP

The following instructions provide a guide for uploading one calendar year of data from multiple detectors to the BatAMP data portal. Data from multiple detectors or sites can be uploaded in one batch process using the provided excel template. To do so, the data for each site will need to be aggregated by date and species/groups. Additional site specific metadata will be required for each row of data. This process will also work for a single site of data.

- 1) If you have not already done so, join Databasin. Go to [www.databasin.org](http://www.databasin.org) and “Become a Member” or try the following link [http://databasin.org/auth/create\\_account](http://databasin.org/auth/create_account)



- 2) Become a member of the BatAMP community <http://databasin.org/groups/59d81a3951fd4915909efacbe2317efb> or search for BatAMP within Databasin, and join the group.
- 3) Final approvals to join can take 1-48 hours depending on time of day and day of week. In the meantime you can prepare your data for upload
- 4) Download the 'BatAMP\_SpreadsheetUpload\_Template.xlsx' file from [batamp.databasin.org](http://batamp.databasin.org). The spreadsheet contains the required headings and dropdown menus to format the data for import to the BatAMP data portal.
- 5) Use the template and fill the following fields for each record. The field map can be found at the end of this document, along with a sample of a document showing multiple sites of data in a single file.
  - a. General Headings. Required for all uploads.
    - i. first\_name: Data owner or representative's first name
    - ii. last\_name: Data owner or representative's last name
    - iii. y\_coord: Northing coordinate (decimal degree latitude or UTM N)
    - iv. x\_coord: Easting coordinate (decimal degree longitude or UTM E)
    - v. det\_mfg: Dropdown menu for detector manufacturer selection.
    - vi. det\_model: Dropdown menu for detector model selection.
    - vii. mic\_type: Dropdown menu for microphone type selection.
    - viii. refl\_type: Dropdown menu for reflector type selection.
    - ix. mic\_ht: Height of the microphone above the ground (m or ft).
    - x. mic\_ht\_units: Dropdown menu for units of measure for the microphone height.

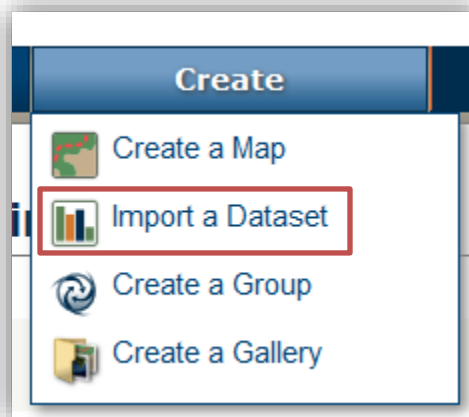
- xi. call\_id\_1: Dropdown menu for primary method of call identification selection.
- xii. call\_id\_2: Dropdown menu for secondary method of call identification selection.
- xiii. site\_id: Identifying name for the detector site.
- xiv. det\_id: Identifying name for the detector location within the site (should be unique)
- xv. night: The date of the night (M/D/YYYY).

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
first_name	last_name	y_coord	x_coord	det_mfg	det_model	mic_type	refl_type	mic_ht	mic_ht_units	call_id_1	call_id_2	site_id	det_id	night
Ted	Weller	3863637	368573	Anabat	Anabat II	Directional	Plate	2	meters	Custom Analoook Filters	Previous experience	Manzana	met19_det04	1/1/2013

- b. Columns for bat species counts:
  - i. Bat: sum of all bat passes for the night, including those identified and those unidentified.
  - ii. Groups: user-defined groups for bat identification. Groups can be species pairs, e.g., LACITABR or frequency groups e.g., Q25k. Add as many columns as necessary to incorporate all groups. Groups are used when files can't be identified to species, but do fit in a species group or a frequency group.
  - iii. Species: 4-letter species codes. Can be multiple columns.
  - iv. Delete columns from the template for any species or species group not applicable to your dataset.

P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ
BAT	COTO	EPFU	HiF	LABL	LACI	LACITABR	LANO	LoF	MYCA	MYCAMYYU	MYEV	MYEVMYTH	MYLU	MYTH	MYVO	MYYU	Q25k	Q40k	Q50k	TABR
3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0

- 6) Save filled file with a file name of your choice.
- 7) Upload filled file to BatAMP.
  - a. Select 'Create' near the top of the page, followed by 'Import a Dataset'.



- b. Select 'Spreadsheet' as the file type. 'Browse' for, and select the file for upload. It can be a .csv or .xls(x).

DATA BASIN | IMPORT A DATASET

### Import a Dataset

Contact us if you have any questions about preparing or importing a dataset into Data Basin or check out our [advanced processing and uploading support](#).

▼ Import ArcGIS Layer Package, NetCDF File, or Spreadsheet with Spatial Coordinates

File Type:

- You can upload a spreadsheet file (.csv, .xls, or .xlsx) with spatial coordinates.

Choose File:  FromAccessUploadTest\_1.xlsx

- c. Check the box to agree to the Databasin terms of use, which can be read by clicking the link in the same location. Click 'Submit'. Databasin will take some time to import your initial dataset at this point.

► Import from Another Catalog

I agree to the Data Basin [Terms of Use](#)

- d. Select the dataset definition that corresponds to the single year of data for upload. Check the box to agree to share data (required). Click 'Next'. You will be taken to another screen.

DATA BASIN | IMPORT DATASET | CHOOSE DATASET DEFINITION

### Choose Dataset Definition

If your dataset complies with a dataset definition, you can choose it from the list below. This will allow your data to be aggregated with other datasets that share the same definition.

NOTE: By choosing to upload this dataset with this given definition, the data from your dataset may become part of an aggregate dataset with other datasets that share this definition. Because of this, it's possible the data will be shared in different ways than your dataset itself is shared. The author of the dataset definition has also added information related to how the data will be shared:

**Data are restricted access and are only shared with the owner of this definition and shared with groups at their discretion.**

- Checking this box signifies that you understand that your data may be shared outside of your dataset.

- e. Select the projection for the coordinate data entered in the spreadsheet and designate which columns contained the geographic/coordinate data. For Latitude/Longitude data select the projection 'None (WGS 84 Geographic)'. For UTM data select the correct projection to display your data. You will also be asked to input the UTM zone information. Click 'Submit'.

DATA BASIN | IMPORT A DATASET

## Import a Dataset

Filename: SpreadsheetUpload\_Ted2009.xlsx  
 Uploaded: March 8, 2016

### Geographic Setup

**Projection**  
 Choose the coordinate system used by the data in the file.  
 UTM-WGS 84      Zone: 10      Hemisphere: North

**Geographic Columns**

**X Column**  
 Specify the column that indicates the x coordinate (e.g., longitude).  
 x\_coord

**Y Column**  
 Specify the column that indicates the y coordinate (e.g., latitude).  
 y\_coord




**CANCEL**      **SUBMIT**

- f. Configure the style for map display of the data. If desired the user can customize the appearance (or styling) of her dataset. This is an option not a necessity. The selected style will depend on the needs of the data owner.


## Import a Dataset - Configure Style




Configure the default style for the dataset.

need help?

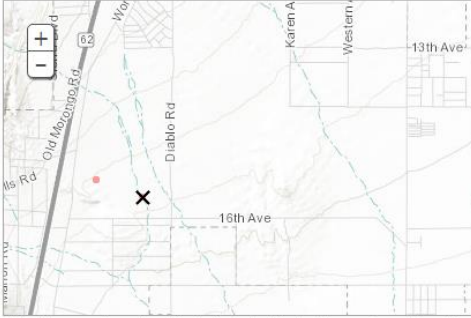




Attribute: bat    Method: Natural Breaks    Classes: 5

Colors:  properties for all symbols

Style	Values	Label
	0 - 0	0 - 0
	0 - 3	0 - 3
	3 - 10	3 - 10


**Revert to Original Style**      **Set Style**



Use the map above to set the initial extent that will be used each time this dataset is opened in a new map.

**Time**  
 Your dataset supports time. Use the time slider below to display different time steps in the map.

Current Time: 10/25/2007



Use the position of the time slider as the default time for this dataset. This will use the time on the slider for generation of the preview image as well as for initial display.

- 8) **Defining the style/symbology for the dataset.** The following instructions describe one method for formatting the symbology of a dataset according to the number of 'bat' files recorded. However, the attribute upon which to base the style is up to the uploader and will likely depend on the goals or focal species of the study (i.e. one can create a style using any of the attributes).
- Select Classes from the top row of the style dialogue. Classes will allow the user to quickly interpret the level of bat activity on the night shown on the map when the data is used in the map viewer.
  - Select 'BAT' as the attribute. Selecting BAT will allow the user to view the total bat activity on any given night. By changing the attribute to a specific species or grouping the user can tailor the initial data view more specifically to the goals of their project.
  - Initially select 'Natural Breaks' as the Method, with 5 classes. This will give the user an idea of the range of values present for a particular attribute in their dataset. The user can then decide on the number of classes and the value ranges that best fits their data. After deciding the number of classes, we suggest changing the method to 'Manual' to self-define the classes. The system is designed so that the class values are greater than or equal to the low class value and less than the high class value, e.g. a range of 1-26 in the values corresponds to 1-25 'bat' files.
  - When defining the classes and class style, we recommend the first class only contain 0. A black 'X' works well as the symbol. To change the symbol just click on the symbol next to the '0' class, and select the chosen symbol, in this case an 'X'. It is recommended that the first class contain only 0, since 0 signifies no activity and all other values signify that nightly activity occurred.



- The time slider on the right can be used to set the 'Current Time', which will be the date of the data displayed in the initial extent when the data is viewed in the map viewer. **To use 'Current Time' display make sure to check the box below the time slider.**
  - Click 'Submit' to be taken to the next page.
- 9) Input additional metadata for the upload.
- On the Overview tab:
    - Required Inputs.
      - Credits: List those who contributed to this data.
      - Descriptions: A detailed, relevant, description of how the data was collected, e.g. the equipment used, notes on data processing, and goals of the study.
      - Tags: Some tags to recognize the data in the system, e.g. bats, echolocation, etc.

**Title:**

Please use a descriptive title. Note that in the case of long titles, some screens will only show the first 100 characters. [Examples](#)

Filename: SpreadsheetUpload\_Ted2009.xlsx

Privacy

Enable download

**Overview**

Layers

**Required Fields****Credits**

List those who contributed to this dataset.

**B I** | | | | | | | |

Ted Weller

**Description**

Please provide as much information about this dataset as possible in the description.

**B I** | | | | | | | |

Acabat II detectors with microphones on 1.5 m pole oriented straight down toward a reflector plate angled at 45 degrees. The purpose of these detectors was to improve understanding of seasonal species composition and species diversity at 2 discrete locations in NW California.

**Tags**

Use tags to make it easier to find this dataset in a search.

BatAMP, acoustic monitoring, anabat, bat, bat acoustic monitoring, bat detector,

My Tags | All Tags

Select use constraints:

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**Optional Fields****Download Link**

You can provide a link to where the user can download the data for the map service. This will enable the download button on the dataset page, and take the user to this link when they click on the button.

**Citation**

Citation for this dataset, or for any peer-reviewed publications. [Examples](#)

**B I** | | | | | | | |

**Review level (pick the topmost one that applies):**

Data Basin promotes peer-reviewed datasets. To qualify, you must submit at least one peer-reviewed publication. You must add a citation for the publication in order to mark this dataset as peer reviewed.

- Dataset was scientifically peer reviewed
- Dataset was reviewed in another manner
- Dataset was used in a scientifically peer-reviewed publication
- Dataset was used in other reviewed publication
- Dataset not reviewed

**Contact Organization:**

The organization responsible for creating this dataset

**B I** | | | | | | | |

USDA Forest Service, Pacific Southwest Research Station

**Contact Person(s):**

List the contacts for the dataset here. Use the 'Add Contact' link to add new contacts, either from Data Basin users or free-form using a name and e-mail address.

**Spatial Resolution:**

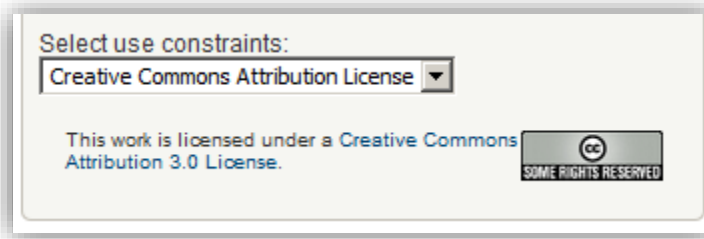
Detail the spatial resolution of this dataset.

**Time:**

Enable or disable time on this dataset.

Enable Time

- ii. Optional inputs:
  1. Download link: an internet address to link to the data if available and desired.
  2. Citation: A citation for the data if it is published or to be used in publications that reference the data.
  3. Review level: Only needed if the data has been peer-reviewed.
  4. Contact Organization and Person: contact information for the owner/uploader of the data. This will allow contact with you to request use of your data beyond display in BatAMP.
  5. Spatial resolution: Not generally needed with bat echolocation data since it is most often point data.
- iii. Select the use constraints: Information on the licenses can be found here <https://creativecommons.org/licenses/> (Mar. 2016).



- b. On the Layers tab:
  - i. Fill in any field descriptions that are missing from the 'Attributes'. As an example Q35k is an undefined attribute, BatAMP displays a warning message and the user will need to provide a brief description for it to complete the download. Descriptions for all 44 extant species in the U.S. are included in the dataset definition as are definitions for HiF (>35kHz), LoF(<35kHz), Q40k, Q50k, Q25k, LACITABR, and MYCAMYYU.
  - ii. As an option, users can choose to provide additional information in the Other Information section of the 'Layers tab'. Available fields are:
    1. Purpose: The purpose of the data.
    2. Methods: Any additional information about collection and processing methods. Particularly information about how aggregated fields were calculated, i.e. are files identified to species included in any other groups as well, or not.
    3. References: Any referenced data as required.
    4. Other information: Additional information that doesn't fit in any of the other categories.
    5. Time Period: The year in which the data was collected. For BatAMP there should only be one calendar year of data per upload.
    6. Layer Accuracy
    7. Attribute Accuracy



Overview **Layers**

• The following attributes are missing required fields: q35k

Layer Type: Feature Layer

Attributes

Attribute Details:

Configure the visibility, alias, and description of attributes below. Alias and description are required for visible layers. Please provide a meaningful description for each attribute that will enable other users to correctly interpret their values, including units of measurement, code definitions, etc.

Hide?	Attribute	Alias (Required)	Description (Required)
<input type="checkbox"/>	first_name	First Name	First name of person who collected the data
<input type="checkbox"/>	last_name	Last Name	Last Name of person who collected the data
<input type="checkbox"/>	y_coord	Y Coordinate	Latitude (decimal degrees) or UTM Northing where data was collected
<input type="checkbox"/>	x_coord	X Coordinate	Longitude (decimal degrees) or UTM Easting where data was collected
<input type="checkbox"/>	det_mfg	Detector Manufacturer	The manufacturer of the detector
<input type="checkbox"/>	det_model	Detector Model	Model of detector used to collect data
<input type="checkbox"/>	mic_type	Microphone Type	Type of microphone used to collect data
<input type="checkbox"/>	refl_type	Reflector Type	Type of reflector used (e.g. for weather-proofing)
<input type="checkbox"/>	mic_ht	Microphone Height	Height, above ground surface, microphone was placed during data collection
<input type="checkbox"/>	mic_ht_units	Microphone Height Units	Units used to report microphone height
<input type="checkbox"/>	call_id_1	Primary Call ID	Primary method used to identify echolocation calls to species
<input type="checkbox"/>	call_id_2	Secondary Call ID	What additional methods were used to confirm call identifications?
<input type="checkbox"/>	site_id	Site ID	The name (or other identifier) of the site where data was collected.
<input type="checkbox"/>	det_id	Detector ID	The name, number, or other identifier of the detector used to collect data (req'd)
<input type="checkbox"/>	night	Night	The date for the night on which data was collected (date night started)
<input type="checkbox"/>	bat	BAT	Total number of files in which bats were recorded on a given night
<input type="checkbox"/>	eptu	EPTU	Number of Eptesicus fuscus files recorded on a given night
<input type="checkbox"/>	labo	LABO	Number of Laslurus borealis files recorded on a given night
<input type="checkbox"/>	lacl	LACI	Number of Laslurus cinereus files recorded on a given night
<input type="checkbox"/>	lano	LANO	Number of Lasionycteris noctivagans files recorded on a given night

- c. Legend: this information can be left alone as it was set in an earlier step.
- d. Click Submit, to submit the final dataset.



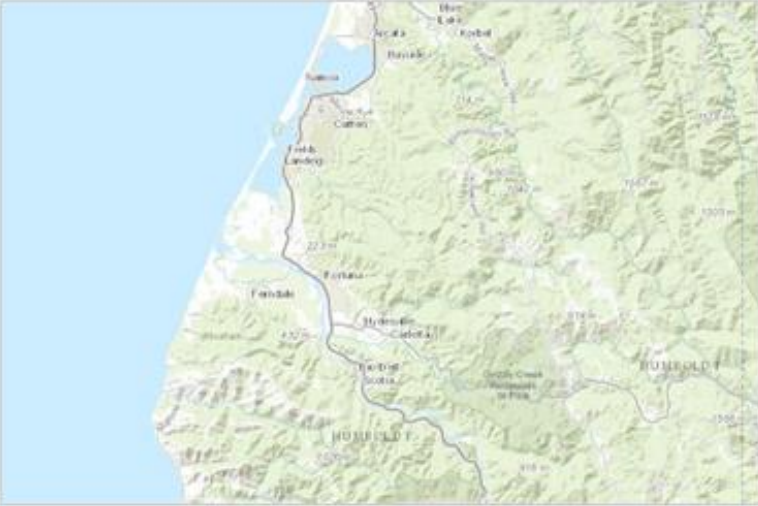
- 10) Verify the submitted information on the dataset's page. This will open as soon as the upload is finalized.

DATA BASIN | DATASETS | ALBEE\_LANPHERE\_2014

## Albee\_Lanphere\_2014

Uploaded by Christopher Domschke Dec 1, 2015 ( Last modified Dec 12, 2015)

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**Description:**  
Lanphere Site:  
Long-term detector site established at the Lanphere Dunes Unit of Humboldt Bay National Wildlife Refuge near Arcata, California. Unit places on sand dunes at the edge of coastal coniferous forest.  
  
The goal of the unit is to monitor bat activity and species presence at all times of year.  
  
Wildlife Acoustics SM2 unit powered by solar panels. Microphone ~ 1.3 m above the ground surface, oriented parallel to the ground surface and facing approximately south.....no reflector  
  
Albee Site:  
Detector run by USFS-PSW. Mic is 3 meters above ground level.


**Details** | [Data Layers \(1\)](#) | [Attachments \(0\)](#) | [Comments \(0\)](#)


**Data Provided By:**  
Ted Weller


**Content date:** 2014


**Contact Organization:**  
not specified

**Contact Person(s):**  
not specified


**Use Constraints:**  
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 This dataset is visible to everyone

**Dataset Type:**  Location-Aware Spreadsheet  
Conforms to Echolocation Records - 2014 Dataset Definition  
By Ted Weller (Mar 18, 2014)

**Capabilities:**  Time Enabled

**Tags:**  
anabat, bat, echolocation

 Downloaded by 1 Member

## Field Map:

1. first\_name: Owner or representative's first name
2. last\_name: Owner or representative's last name
3. y\_coord: Northing coordinate
4. x\_coord: Easting coordinate
5. det\_mfg: Dropdown menu for detector manufacturer selection.
  - a. Anabat
  - b. Binary Acoustics Technology
  - c. Pettersson
  - d. Wildlife Acoustics
6. det\_model: Dropdown menu for detector model selection.
  - a. Anabat II
  - b. SD1
  - c. SD2
  - d. AR125
  - e. iFR-IV
  - f. D240X
  - g. D500X
  - h. SM2
  - i. EM3
  - j.
7. mic\_type: Dropdown menu for microphone type selection.
  - a. Regular
  - b. Hi-Mic
  - c. Extended Mic
  - d. SMX-US
  - e. SMX-UT
  - f. Directional
  - g. Omni-directional
8. refl\_type: Dropdown menu for reflector type selection.
  - a. None
  - b. Tube
  - c. Plate
9. mic\_ht: Height of the microphone above the ground (m or ft).
10. mic\_ht\_units: Dropdown menu for units of measure for the microphone height.
  - a. Meters
  - b. feet
11. call\_id\_1: Dropdown menu for primary method of call identification selection.
  - a. BCID
  - b. EchoClass
  - c. Kaleidoscope
  - d. Sonobat 3
  - e. Custom Analook Filters
  - f. Custom Discriminant Function Analysis
  - g. Other Custom Quantitative Method
  - h. Visual Comparison to Call Library
  - i. Personal Experience
12. call\_id\_2: Dropdown menu for secondary method of call identification selection.
  - a. None
  - b. Visual comparison to call library

- c. Additional quantitative methods
  - d. Previous experience
13. site\_id: Identifying name for the detector site.
  14. det\_id: Identifying name for the detector location within the site (should be unique)
  15. night: The date of the night (M/D/YYYY).

Multi-site upload example: Both figures are the same data set.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK		
1	first_name	last_name	y_coord	x_coord	det_mfg	det_model	mic_type	refl_type	mic_ht	mic_ht_units	call_id_1	call_id_2	site_ID	det_id	night	BAT	EPFU	MYEV	MYTH	LANO	LACI	MYCA	LABL	MYLU	MYYU	COTO	TABR	UNBAT	HIF	LACITABR	LoF	MYCAMYU	Q25k	Q40k	Q50k	MYVO	MYEVMYTH		
304	Ted	Weller	4528185	403920	Wildlife Acoustics	SM2	SMX-US	None	1.3	meters	Sonobat 3	Previous experience	HBNWR	Lanpher	12/27/2015																								
305	Ted	Weller	4528185	403920	Wildlife Acoustics	SM2	SMX-US	None	1.3	meters	Sonobat 3	Previous experience	HBNWR	Lanpher	12/28/2015																								
306	Ted	Weller	4528185	403920	Wildlife Acoustics	SM2	SMX-US	None	1.3	meters	Sonobat 3	Previous experience	HBNWR	Lanpher	12/29/2015																								
307	Ted	Weller	4528185	403920	Wildlife Acoustics	SM2	SMX-US	None	1.3	meters	Sonobat 3	Previous experience	HBNWR	Lanpher	12/30/2015	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
308	Ted	Weller	4528185	403920	Wildlife Acoustics	SM2	SMX-US	None	1.3	meters	Sonobat 3	Previous experience	HBNWR	Lanpher	12/31/2015																								
309	Ted	Weller	4467711	414628	Binary Acoustic TecI	iFR-IV	Regular	None	3	meters	Sonobat 3	Previous experience	Albee	Albee	1/2/2015	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
310	Ted	Weller	4467711	414628	Binary Acoustic TecI	iFR-IV	Regular	None	3	meters	Sonobat 3	Previous experience	Albee	Albee	1/3/2015	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	0	0	2
311	Ted	Weller	4467711	414628	Binary Acoustic TecI	iFR-IV	Regular	None	3	meters	Sonobat 3	Previous experience	Albee	Albee	1/4/2015	5	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
312	Ted	Weller	4467711	414628	Binary Acoustic TecI	iFR-IV	Regular	None	3	meters	Sonobat 3	Previous experience	Albee	Albee	1/5/2015	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
313	Ted	Weller	4467711	414628	Binary Acoustic TecI	iFR-IV	Regular	None	3	meters	Sonobat 3	Previous experience	Albee	Albee	1/6/2015	6	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	1	0	1	0	0	0
314	Ted	Weller	4467711	414628	Binary Acoustic TecI	iFR-IV	Regular	None	3	meters	Sonobat 3	Previous experience	Albee	Albee	1/7/2015	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
315	Ted	Weller	4467711	414628	Binary Acoustic TecI	iFR-IV	Regular	None	3	meters	Sonobat 3	Previous experience	Albee	Albee	1/8/2015	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
316	Ted	Weller	4467711	414628	Binary Acoustic TecI	iFR-IV	Regular	None	3	meters	Sonobat 3	Previous experience	Albee	Albee	1/9/2015	4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	1	0	0	0	
317	Ted	Weller	4467711	414628	Binary Acoustic TecI	iFR-IV	Regular	None	3	meters	Sonobat 3	Previous experience	Albee	Albee	1/10/2015	11	0	0	0	0	0	1	0	0	0	0	0	0	5	0	0	1	0	0	0	0	0	0	

Figure 1: Example data with all bat species columns. Note the change of site and equipment associated with that site

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	first_name	last_name	y_coord	x_coord	det_mfg	det_model	mic_type	refl_type	mic_ht	mic_ht_units	call_id_1	call_id_2	site_ID	det_id	night	BAT	EPFU	MYEV	MYTH	LA
304	Ted	Weller	4528185	403920	Wildlife Acoustics	SM2	SMX-US	None	1.3	meters	Sonobat 3	Previous experience	HBNWR	Lanpher	12/27/2015					
305	Ted	Weller	4528185	403920	Wildlife Acoustics	SM2	SMX-US	None	1.3	meters	Sonobat 3	Previous experience	HBNWR	Lanpher	12/28/2015					
306	Ted	Weller	4528185	403920	Wildlife Acoustics	SM2	SMX-US	None	1.3	meters	Sonobat 3	Previous experience	HBNWR	Lanpher	12/29/2015					
307	Ted	Weller	4528185	403920	Wildlife Acoustics	SM2	SMX-US	None	1.3	meters	Sonobat 3	Previous experience	HBNWR	Lanpher	12/30/2015	1	0	0	0	
308	Ted	Weller	4528185	403920	Wildlife Acoustics	SM2	SMX-US	None	1.3	meters	Sonobat 3	Previous experience	HBNWR	Lanpher	12/31/2015					
309	Ted	Weller	4467711	414628	Binary Acoustic TecI	iFR-IV	Regular	None	3	meters	Sonobat 3	Previous experience	Albee	Albee	1/2/2015	1	0	0	0	
310	Ted	Weller	4467711	414628	Binary Acoustic TecI	iFR-IV	Regular	None	3	meters	Sonobat 3	Previous experience	Albee	Albee	1/3/2015	8	0	0	0	
311	Ted	Weller	4467711	414628	Binary Acoustic TecI	iFR-IV	Regular	None	3	meters	Sonobat 3	Previous experience	Albee	Albee	1/4/2015	5	0	0	0	
312	Ted	Weller	4467711	414628	Binary Acoustic TecI	iFR-IV	Regular	None	3	meters	Sonobat 3	Previous experience	Albee	Albee	1/5/2015	3	0	0	0	
313	Ted	Weller	4467711	414628	Binary Acoustic TecI	iFR-IV	Regular	None	3	meters	Sonobat 3	Previous experience	Albee	Albee	1/6/2015	6	0	0	0	
314	Ted	Weller	4467711	414628	Binary Acoustic TecI	iFR-IV	Regular	None	3	meters	Sonobat 3	Previous experience	Albee	Albee	1/7/2015	2	0	0	0	
315	Ted	Weller	4467711	414628	Binary Acoustic TecI	iFR-IV	Regular	None	3	meters	Sonobat 3	Previous experience	Albee	Albee	1/8/2015	2	0	0	0	
316	Ted	Weller	4467711	414628	Binary Acoustic TecI	iFR-IV	Regular	None	3	meters	Sonobat 3	Previous experience	Albee	Albee	1/9/2015	4	0	0	0	
317	Ted	Weller	4467711	414628	Binary Acoustic TecI	iFR-IV	Regular	None	3	meters	Sonobat 3	Previous experience	Albee	Albee	1/10/2015	11	0	0	0	

Figure 2: Example data without all bat species columns.