



CITIZEN SCIENCE BAT COUNT SHEET FOR KIDS

Step 1: Fill out the information below

Your name: _____

Date: _____

Location of bat count: _____

Type of roost: (circle one): Barn House with people Empty house Church Out building Bridge Tree Bat box/condo Other structure (describe): _____

Weather (describe rain, clouds, wind, temperature): _____

Time when the sun sets: _____

Step 2: Wait until the leader starts the timer at sunset! Keep your eyes on the bat roost and watch for bats that come out. Tell your leader when you see the first bat, so they can note the time. Use tally marks to count each bat that you see coming out. If a bat goes back into the roost, don't worry about it. Only count the bats that are coming out.

Step 3: Add up your tally marks and fill out the information below.

Example of how to do tally marks:



Total number of tally marks (bats): _____

Time when you stopped counting bats: _____

Do you know what species of bat is roosting here? _____

Tell us something you learned about bats:

Draw the bat roost or make a map of the area!

Step 4: Either give your results to your leader or give them this sheet!

Thank you for participating in the bat count and helping us monitor the bat populations. For more information on bat counts, you can visit www.bcbats.ca.

The citizen science project is made possible thanks to;



BRITISH COLUMBIA
CONSERVATION
FOUNDATION



HABITAT
CONSERVATION TRUST
FOUNDATION



TD Friends of the
Environment
Foundation





(CITIZEN SCIENCE BAT COUNT SHEET FOR LEADERS)

Site Name: _____

Primary Bat Counter's contact information Name: _____

Address: _____

Phone: _____ Email: _____

Landowner information (for property on which roost site occurs)

Name: _____ Address: _____

Phone: _____ Email: _____

Bat data in BC - bat winter hibernacula and maternity roost site location data is secured and managed by BC's [Species and Ecosystems Secure Data and Information Policy and Procedures](#). Secured data is not open access and will only be released by the Province if a legitimate Need-to-Know exists and the requestor agrees to the terms and conditions of a *Confidentiality and Non-reproduction Agreement*.

I, _____, : (check all that apply)

_____ agree to allow bat counts to take place on my property by a NatureKids BC representative

_____ agree to allow the data to be submitted by NatureKids BC to the BC Ministry of Environment for long-term data management and summary analyses.

_____ understand that no personal information will be submitted to the Province by NatureKids BC.

Landowner(s) sign here: _____

Date: _____

More than 1 roost monitored at this site? Y / N

Structure used by people? Y / N

(If there is more than one roost being monitored, please fill out a form for each roost counted separately)

Roost Type (circle one): 1 – Barn 2 – Human House - occupied 3 – Human House - unoccupied 4 – Church 5 – Out building 6 – Bridge 7 – Tree 8 – Bat box/condo 9 – Other structure (describe): _____

Location: If this is the first Bat count at this site, please describe exactly where the site is (UTM, Latitude / Longitude if known) or attach a map or sketch, or send us a digital photo.

Species id: If the species is unknown, you can send a guano sample in a paper envelope to the address below and we will get it analyzed. Details at <http://bcbats.ca/index.php/get-involved/participate-in-the-bc-bat-count>.

Site Name: _____

Primary Bat Counter Name: _____

If possible, conduct FOUR bat counts this season (two between June 1 - 21 and two between July 11 – August 5). Avoid surveying if it is raining or if the wind speed is greater than ~20 km/hr. Detailed instructions can be found at www.bcbats.ca.

Use this section to calculate the average bat count number. Enter each **NatureKids BC** participant's bat count number. Add them up and divide total by the number of entries. Use only the bat counts numbers from participants that you think were paying attention and truly counting for the whole hour! If you cut the count off early, that's OK, just note it in the comments please. e.g. 42 + 40 + 42 + 39 = 163, then 163/4 = 41. So, the average bat count is 41 bats.

Enter the bat count number from the 'reliable' person who had the hand clicker: _____

COUNT DATE	RAIN CODE (see bottom)	CLOUD CODE (see bottom)	WIND CODE (see bottom)	START TEMP °C	START TIME (sunset)	TIME FIRST BAT (when 1st bat emerges)	END TIME (~1 hr after start time)	TOTAL # BATS COUNTED -clicker	TOTAL # BATS COUNTED - NatureKids average	COMMENTS (# of volunteers, species, unusual events, heat wave, smoke, etc.)

Rain, cloud and wind codes of 1 – 3 are best. Code of 4 is marginal. Avoid surveying if code is higher than 4.

CODE	RAIN (PRECIPITATION)	CODE	CLOUD COVER	CODE	WIND DESCRIPTION	Speed
1	No rain	1	Clear-Clear to a few clouds	1	Calm-Leaves Still	0 km/hr
2	Foggy – reduced visibility	2	Scattered clouds – cloud cover less than half sky (< 50%)	2	Slight Breeze-Leaves slightly Rustling	1-11 km/hr
3	Misty drizzle – No distinct rain drops but can dampen clothing	3	Mostly Cloudy-Cloud cover > 50%	3	Gentle Breeze-Leaves and twigs in motion	13-19 km/hr
4	Drizzle – Fine rain drops (<.5 mm) visible on ground	4	Very Cloudy – Unbroken clouds	4	Mod. Breeze-Small branches begin to move	20-29 km/hr
5	Light rain – puddles not forming quickly, (<2.5 mm rain per hour)	5	Showers-Steady soaking rain	5	Windy-Small Trees or more in canopy sway	30+ km/hr
6	Hard rain – puddles form quickly (>2.5 mm per hour)	6	Thunderstorms-Rain with thunderstorms	6	Not Recorded	Not Recorded

Mail or scan and email your data sheet and send it along with any photos to NatureKids BC:

citizenscience@naturekidsbc.ca or 1620 Mt. Seymour Road, North Vancouver, BC V7G 2R9.

Please label your images: YOUR NAME_LOCATION_DATE.