

Appendix A. AMERICAN BURYING BEETLE SURVEY DATA COLLECTION FORM

Project Name: _____ Project Type: _____ Project Description: _____
(linear / area)

Time Checked¹: _____ Date Checked¹: _____ Transect #: _____ Survey Night: _____
(M/D/Y)

Survey Company: _____ Permittee: _____ Action Agency/Proponent: _____
(Spell out)

State: _____ County: _____ Legal Description²: _____ General Location: _____
(Sec Township Range) (nearest town, city, landmark)

Decimal Degrees²: _____ / _____ Type of transect: _____
(NAD 83) (5-gallon, 1-gallon, pitfall traps)

Vegetation Type: _____
(Prairie, woodland, forest, pasture)

Primary Soil Type: _____ Soil Moisture⁴: _____
(Refer to County Soil Survey)

Temp³: Min _____ Max _____ ° Heavy Rainfall⁵ _____ Wind >10 mph⁶ _____
(Yes/No) (Yes/No)

Additional number of survey night(s) required because of wind, temperature, or rain⁷ _____

Trap No.	Disturbed (Y/N)	<i>americanus</i>	<i>orbicollis</i>	<i>tomentosus</i>	<i>pustulatus</i>	<i>marginatus</i>	<i>carolinus</i>	<i>sayi</i>	Other carrion beetles
1.									
2.									
3.									
4.									
5.									
6.									
7.									
8.									
Totals									

Number of disturbed traps and/or bait (D): _____

Additional survey night(s) required because of disturbance⁸: _____
(Yes/No)

List each individual American burying beetle captured below and complete the appropriate columns.

ABB	Male	Female	Old ⁹	New ⁹	Age Unknown ⁹	Recapture ¹⁰	Newly Marked ¹¹	Tag #	Death	Pronotum Width
1										
2										
3										
4										
5										
6										

Comments: _____

- Date and time refer to when trap is checked;
- Check that legal description fits decimal degrees location. Lat/long MUST be in decimal degrees, NAD 83
- Max/Min temp from 9 pm to 4 am prior to checking traps, must use data from www.wunderground.com
- Soil moisture must be obtained by obtaining the TR-05 report from http://www.mesonet.org/index.php/weather/daily_data_retrieval.
- Rain from 9 pm to 4 am, must use data from www.wunderground.com
- Wind exceeds 10 mph > than 20% of time between 9 pm to 4 am
- Additional trapping required if any metrics exceed the allowable thresholds.
- Determine total number of disturbed traps over all 3 survey nights. Any disturbance to 5-gallon traps requires an additional night of survey effort. When using (5) 1-gallon traps, an additional survey night are required for every 2-3 disturbed traps. When using (8) pitfall cups per transect, and additional night of survey effort is required for every 4-8 traps disturbed.
- OLD=breeding adult; NEW=newly enclosed adult; UNK=age cannot be determined.
- Recaptures refer to color and number of bee tag on beetles that have been previously marked.
- Newly marked males and females refers to color, number of bee tag, and age of beetle (e.g. R54[old]).

Heavy Rain is defined by the World Meteorological Organization (<http://severe.worldweather.org/raindoc.html>) as "Rainfall greater than or equal to 50 mm [1.9685 inches] in the past 24 hours."

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