

Appendix 1. 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 Moisture: _____

(Refer to County Soil Survey)

Temp³: Min _____ Max _____ °F Rain > 0.5 in.⁴ _____ Wind > 10 mph⁵ _____

(Yes/No)

(Yes/No)

Additional number of survey night(s) required because of wind, temperature, or rain?⁶ _____

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 disturbance?⁸ : _____

(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 checked;
- Check that legal description fits decimal degrees location. Lat/long MUST be in decimal degrees, NAD 83
- Max/Min temp from 7pm to 7am prior to checking traps, must use data from www.wunderground.com
- Rain from 7pm to 7am prior to checking traps, must use data from www.wunderground.com
- Wind exceeds 10 mph > than 20% of time between 7 pm to 7 am
- Additional trapping required if > 0.5 in. of rainfall occurs between 7pm and 7 am on the night of survey, must use data from www.wunderground.com
- U= trap undisturbed, bait present; D= trap disturbed AND/OR bait gone;
- Determine total number of disturbed traps over all 5 survey nights. If between 4 and 8 traps are disturbed over the 5 survey nights, 1 additional night of survey is required. If between 9 and 16 traps are disturbed, 2 additional nights required. If between 17 and 24 traps are disturbed, 3 additional nights required. For disturbed bucket traps refer to survey protocols.
- 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]).