AMERICAN BURYING BEETLE SURVEY DATA COLLECTION FORM

Project Name: _____ Project Description: _____

Time Checked[1] :_____ Date Checked[1]: _____ Transect #: _____ Survey Night :_____

Survey Company: _____ Permittee:_____ Permittee Number: TE_____
(Spell out)

State:_____ County:_____ Legal Description[2]:_____General Location:_____
(Sec Township Range) (nearest town, city, landmark)

Decimal Degrees[2]:_____/_____ Type of transect:_____
(NAD 83) (above-ground or pitfall traps)

Vegetation Type:_____ Action Agency/Proponent:_____
(Prairie, woodland, forest, pasture)

Primary Soil Type:_____ Soil Moisture[4]:_____
(Refer to County Soil Survey)

Temp[3]: Min_____ Max_____ ° Heavy Rainfall?[5] _____ Wind >10 mph?[6] _____
(Yes/No) (Yes/No)

Additional number of survey night(s) required because of wind, temperature, or rain?[7] _____

Trap No.	Disturbed (Y/N)	*americanus*	*orbicollis*	*tomentosus*	*pustulatus*	*marginatus*	*carolinus*	*sayi*	*Other carrion beetles*
1.									
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										

Comments:_____

1. Date and time refer to when trap is checked;
2. Check that legal description fits decimal degrees location. Lat/long MUST be in decimal degrees, NAD 83
3. Max/Min temp from 9 pm to 4 am prior to checking traps, must use data from www.wunderground.com
4. Soil moisture must be obtained by obtaining the TR-05 report from http://www.mesonet.org/index.php/weather/daily_data_retrieval.
5. Rain from 9 pm to 4 am, must use data from www.wunderground.com
6. Wind exceeds 10 mph > than 20% of time between 9 pm to 4 am
7. Additional trapping required if any metrics exceed the allowable thresholds.
8. 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.
9. OLD=breeding adult; NEW=newly enclosed adult; UNK=age cannot be determined.
10. Recaptures refer to color and number of bee tag on beetles that have been previously marked.
11. 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."

Last updated January 8, 2014