AMERICAN BURYING BEETLE SURVEY

Tribal Development Project Hereford Road McAlester, Pittsburg County, OK

Prepared for:



Choctaw Nation P.O. Box 1210 Durant, OK 74702



P.O. Box 335 Vinita, Oklahoma 74301 Ph: 918-272-7656 Fax: 918-256-6131 P.O. Box 5446 Fort Smith, Arkansas 72913 Ph: 918-697-3936 Fax: 479-646-9406

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tun R.V Maus

Steven R. Votaw President

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Tribal Development Project McAlester, Pittsburg County, OK

I. Introduction

The subject survey effort was conducted to identify the presence or absence of American Burying Beetles (*Nicrophorus americanus*) (ABB) associated with a proposed Tribal development project on approximately 80 acres of property owned by the Choctaw Nation near McAlester, Oklahoma. The proposed project location is shown on (*Figure 1*).

The survey began August 24th and continued until the morning of August 29th, 2019, during which no ABBs were captured. One trap transect was deployed and maintained for 5 nights and is shown on *Figure 2*. No additional trap nights were required. The ABB has been a federally listed endangered species since 1989 and is also recognized as endangered at the State level. Based on the potential for impact to individuals of ABB, these surveys were performed in compliance with the Endangered Species Act of 1973 (16 U.S.C. 1539, et seq.) and the U.S. Fish and Wildlife Service Regulations (50 C.F.R. 17.22) under Endangered Species permit number TE043399-0.



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II. General Site Description

The survey area is located within the Lower Canadian Hills ecoregion is an irregular to undulating plain that is underlain by interbedded, westward-dipping sandstone, shale, and limestone. (Woods, et.al, 2005). The majority of the lands within this ecoregion are covered by natural vegetation is mostly oak, hickory, and pine trees with tall grass prairie intermixed. Riparian zones are dominated by sycamore, river birch, ash, persimmon, and willow trees. The project area open field and forested areas.

III. Sampling Methodology

The ABB is large (1-1.5 inches) and has a shiny black appearance with four orange-red spots on the wing covers (elytra). A large red spot on the pronotum of the beetle is indicative of the species. The habitat requirements for this beetle are not fully known; however, the ABB is considered a habitat generalist and is known to occupy a diverse range of habitats. Habitats associated with the ABB include open grasslands, forests, as well as transitional areas. The beetle is a carrion feeder and utilizes small vertebrate carcasses for food and reproductive purposes. The ABB occurs in a variety of habitat types and will exploit virtually any possibilities where suitable forage and soil conditions may be found. According to the U.S. Fish and Wildlife Service, a minimum of 5 successive trap-nights are required to establish a sampling effort. Temperatures cannot fall below 60°F and wind speed cannot exceed 10 miles per hour for greater than 20% of the trap night between 9 pm and 4 am (1 hour 24 minutes). Failure to meet such specified trapping effort criteria would result in an additional trap night or trap nights.

One trap-transect was selected to ensure appropriate survey coverage of the anticipated area of disturbance. The trapping method for the ABB survey was performed according to the Draft American Burying Beetle Range Wide Presence/Absence Live-trapping Survey Guidance, updated May 2015. One five-gallon bucket pitfall trap was used. Bait consisted of aged chicken quarters with no feathers and placed on 3 to 4 inches of soil. No additional trap nights were required to complete this survey.

IV. Survey Findings

No American Burying Beetles were captured during the survey effort. Two (2) American carrion beetle (*Necrophilia americana*) and 59 red-lined beetles (*Necrodes surinamensis*) were captured and released, along with several species of crickets, arachnids, isopods, arthropods and various other insects were collected. Atmospheric conditions during the ABB survey were fair with normal temperatures and wind velocities ranging from calm to moderate (0 to less than 10 mph). Weather conditions were within acceptable thresholds during the survey. No additional trap nights were required. The field survey data forms and survey summary sheet are found in *Appendix A*.

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ABB Trap 1 and Representative Habitat

Survey Capture Data:

Trap No.	Disturbed (0/1)	americanus	orbicollis	tomentosus	pustulatus	marginatus	carolinus	sayi	Necrophilia	Necrodes
1	0	0	0	0	0	0	0	0	2	59
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
Totals	0	0	0	0	0	0	0	0	2	59

<u>Survey Weather Data</u>:

	Daytime Te	emp Range	Survey Perio	od Temp Range	Daily Humidity Range			
Trap Night	Min	Max	Min	Max	Min	Max		
1	71.8	90.1	72.7	76.6	63	99		
2	72.1	88.3	73	77.2	73	77.2		
3	72.9	97.3	72.7	87.3	51	97		
4	73.2	91	74.7	77.7	62	84		
5	74.8	95.9	76.7	81.5	54	82		
6	0	0	0	0	0	0		
7	0	0	0	0	0	0		
8	0	0	0	0	0	0		

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V. Conclusion

The subject survey was performed in an effort to identify the presence of American Burying Beetles at or near the proposed land acquisition area. One trap-transect was deployed to ensure adequate coverage and maintained for 5 trap nights. The survey resulted in a negative presence of American Burying Beetles. Based on this negative collection, consultation with the Tulsa Ecological Field Services Office of the U.S. Fish and Wildlife Service may be required to secure survey concurrence prior to project development.

VI. References

- United States Department of Agriculture. Natural Resources Conservation Service, Soil Survey Staff. Web Soil Survey: <u>http://websoilsurvey.nrcs.usda.gov/</u>.
- United States Fish and Wildlife Service. 2015. American Burying Beetle *Nicrophorus americanus* Oklahoma Presence/Absence Live-trapping Survey Guidance. 15 pages.

United States Geological Survey. 7.5-Minute Topographic Map

Weather Underground. The Weather Channel, LLC, 1993. Web. August 2019.

Woods, et al 2005. Oklahoma (color poster with map, Ecoregions of descriptive text, summary tables, and photographs): Reston, Virginia, U.S. Geological Survey (map scale1:1,000,000).

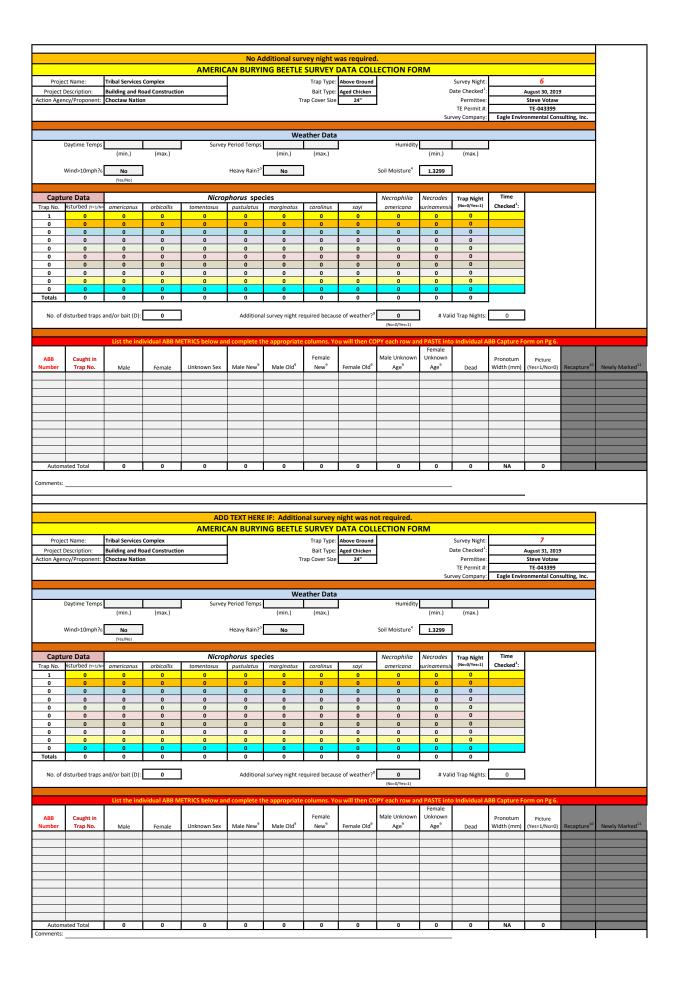
Appendix A

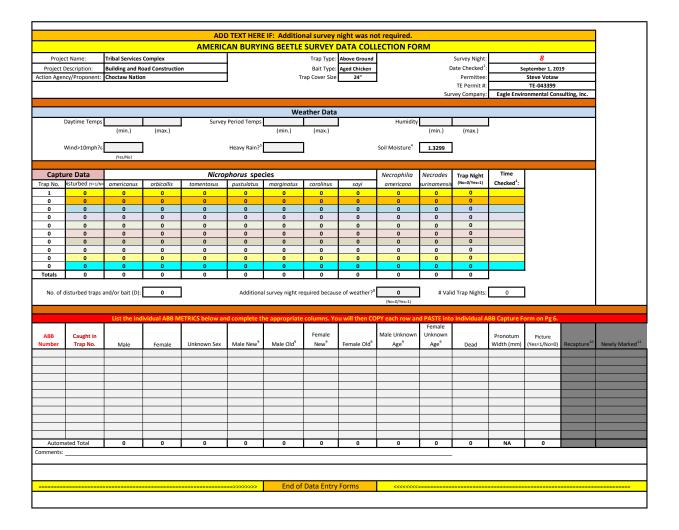
Survey Data Forms

				llection Forms'											
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				AMERIC	CAN BURY	ING BEETLE	SURVEY	DATA COL	LECTION FC	RM (Apr	il 2017)				
		Tribal Services					No. of Trans	ects Deployed:	1			Survey Night:		1	
			oad Constructio	'n	1			Trap Type:	Above Ground]	0	ate Checked ¹ :		August 25, 2	2019
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		Steve Votaw TE-043399			1			Frap Cover Size	24" 8/24/2019		Survey E	1 Detail	Month	Date 29	Year 2019
Su			nental Consultin	ng Inc.	ł		1	Set Date:	8/24/2019	1	Survey	nd Date:	August	29	2019
	11VCy COp.a. ,		ientar ez izz	5, 1											
							Trap Loca	ation Data							
	Trap Coo	ordinates		Legal Description					Vegetation						
Trap No.	Latitude	Longitude	Township	Range	Section	Gen Location	County	State	Туре		Soil Name		scription	Area	Weather Station
1	34.9525	-95.7281	6N	15E	33	McAlester	Pittsburg	ОК	Woodland/Field	ennis Pharoa	ah Eram Comple	LO	am	80	KOKMCALE15
	Deutine Terrer	71.8	90.1		Period Temps	72.7	Weath 76.6	er Data	t to constantiate o	63	99				
	Daytime Temps	(min.)	(max.)	Survey	Period Temps	(min.)	(max.)		Humidity	(min.)	(max.)				
		(11111.)	(max.)			(11111.)	(110.)			(11111.)	(1110)				
,	Wind>10mph?6	No	1		Heavy Rain? ⁵	No			Soil Moisture ⁴	1.3299	1				
		(Yes/No)	·								•				
									r	1	Trap Night		1		
	ire Data				ohorus spec				Necrophilia	Necrodes	Valid	Time Checked ¹ :			
Trap No.	isturbed (Y=1/N=	americanus	orbicollis	tomentosus	pustulatus	marginatus	carolinus	sayi	americana	surinamensis	(No=0/Yes=1)				
1	0	0	0	0	0	0	0	0	0	16 0	1	752			
0	0	0	0	0	0	0	0	0	0	0	0				
0	0	0	0	0	0	0	0	0	0	0	0				
0	0	0	0	0	0	0	0	0	0	0	0				
0	0	0	0	0	0	0	0	0	0	0	0				
0	0	0	0	0	0	0	0	0	0	0	0				
0	0	0	0	0	0	0	0	0	0	0	0				
0	0	0	0	0	0	0	0	0	0	0	0				
Totals	U	0	0	0	0	0	0	0	0	16	1				
No. of c	disturbed traps a	and/or bait (D):	0	1	Additiona	I survey night re	ouired becaus	e of weather? ⁸	0	# Val	id Trap Nights:	1	1		
				1					(No=0/Yes=1)	1	р8				
	List the in	dividual ABB	METRICS below	w and complete t	he appropria	te columns. Yo	u will then C	OPY each row	and PASTE into		ABB Capture F	orm BEGINN	ING at Cell A4	142 on Pg 6.	
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Number	Trap No.	Male	Female	Unknown Sex	Male New ⁹	Male Old ⁹	New ⁹	Female Old ⁹	Age ⁹	Age ⁹	Dead	Width (mm)	(Yes=1/No=0)	Recapture ¹⁰	Newly Marked ¹¹
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_															
Comments:											-				

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Action Ager	icy/Proponent.				1		ap cover size	24			TE Permit #:		TE-043399		
										Sur	rvey Company:	Eagle Envir	onmental Cons	sulting, Inc.	
		Ra d					ather Data			I		I			
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		(Yes/No)	1			110				10200					
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0	0	0	0	0	0	0	0	0	0	0	0				
0	0	0	0	0	0	0	0	0	0	0	0				
0	0	0	0	0	0	0	0	0	0	0	0				
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0 Totals	0	0 0	0 0	0 0	0 0	0	0	0	0	0 31	0 1				
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No. of a	disturbed traps	and/or bait (D):	0	i	Additiona	al survey night re	quired becau	e of weather? ⁸	0 (No=0/Yes=1)	# Vali	id Trap Nights:	1	l		
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ABB Number	Caught in Trap No.	Male	Female	Unknown Sex	Male New ⁹	Male Old ⁹	Female New ⁹	Female Old ⁹	Male Unknown Age ⁹	Unknown Age ⁹	Dead	Pronotum Width (mm)	Picture (Yes=1/No=0)	Recapture ¹⁰	Newly Marked ¹¹
Autom	hated Tot.	0	0	0	0	0	0	0	0	0	0	NA	0		
Comments:															
				AMERIC	AN BURYI	NG BEETLE	SURVEY	DATA COLL	ECTION FO	RM					1
	ct Name:	Tribal Services			AN BURYI	NG BEETLE		Above Ground	ECTION FO		Survey Night:		3		
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Project I Action Ager Captu Trap No. 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Description: cyc/Proponent: Daytime Temps Wind>10mph?6 Wind>10mph?6 0 0 0 0 0 0 0 0 0 0 0 0 0	Building and Rc Choctaw Natio 72.9 (min.) No (rel/Ne) americanus 0	ad Construction n 97.3 (max.) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Nicrop tomentosus 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Period Temps Heavy Rain? ⁵ Dhorus spec pustulatus 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Tr (min.) No Cices marginatus 0 0 0 0 0 0 0 0 0 0 0 0 0	Trap Type: Bait Type: ap Cover Size 87.3 (max.) carolinus 0 (max.) carolinus 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Above Ground Aged Chicken 24" 24" 24" 24" 50yl 0 0 0 0 0 0 0	Humidity Soil Moisture ⁴ Necrophilia americana 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sur 51 (min.) 1.3299 Necrodes surinamensis 4 0 1 1 1 1 1 1 1 1 1 1	Jate Checked ¹ : Permittee: Trap Night (max.) Trap Night (Mix-0)Yes=1) 1 0 1 1 1 1 1 1 0 1 1 0	Time Checked': 738	August 27, 2019 Steve Votaw TE-04389 oonmental Cons oonmental Cons	sulting, Inc.	Newly Marked ¹²
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Project I Action Ager Captu Trap No. 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Description: cyc/Proponent: Daytime Temps Wind>10mph?6 Wind>10mph?6 0 0 0 0 0 0 0 0 0 0 0 0 0	Building and Rc Choctaw Natio 72.9 (min.) No (rel/Ne) americanus 0	ad Construction n 97.3 (max.) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Nicrop tomentosus 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Period Temps Heavy Rain? ⁵ Dhorus spec pustulatus 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Tr (min.) No Cices marginatus 0 0 0 0 0 0 0 0 0 0 0 0 0	Trap Type: Bait Type: ap Cover Size 87.3 (max.) carolinus 0 (max.) carolinus 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Above Ground Aged Chicken 24" 24" 24" 24" 50yl 0 0 0 0 0 0 0	Humidity Soil Moisture ⁴ Necrophilia americana 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sur 51 (min.) 1.3299 Necrodes surinamensis 4 0 1 1 1 1 1 1 1 1 1 1	Jate Checked ¹ : Permittee: Trap Night (max.) Trap Night (Mix-0)Yes=1) 1 0 1 1 1 1 1 1 0 1 1 0	Time Checked': 738	August 27, 2019 Steve Votaw TE-04389 oonmental Cons oonmental Cons	sulting, Inc.	Newly Marked ¹¹

				AMERIC	AN BURYI	NG BEETLE	SURVEY I		ECTION FO	RM					
	ect Name:	Tribal Services					Trap Type:	Above Ground			Survey Night:		4		
	Description: ncy/Proponent:	Building and Ro Choctaw Natio		n		т	Bait Type: rap Cover Size	Aged Chicken 24"		Ľ	Date Checked ¹ : Permittee:		August 28, 2019 Steve Votaw)	
										Sur	TE Permit #: rvey Company:	Eagle Envir	TE-043399 onmental Con	sulting, Inc.	
						We	ather Data								
	Daytime Temps	73.2 (min.)	91 (max.)	Survey	Period Temps	74.7 (min.)	77.7 (max.)		Humidity	62 (min.)	84 (max.)				
	Wind>10mph?6	No	(Heavy Rain? ⁵	No	1		Soil Moisture ⁴	1.3299	1				
	Winds 10mpn.0	(Yes/No)			neury num.	NU	1		Son moisture	1.5255	1				
	ure Data				ohorus spe				Necrophilia	Necrodes	Trap Night	Time			
1	isturbed (Y=1/N=	americanus 0	orbicollis 0	tomentosus 0	pustulatus 0	0	carolinus 0	sayi O	americana 0	surinamensis 5	(No=0/Yes=1) 1	Checked ¹ : 730			
0	0	0	0	0	0	0	0	0	0	0	0				
0	0	0	0	0	0	0	0	0	0	0	0				
0	0	0	0	0	0	0	0	0	0	0	0				
0	0	0	0	0	0	0	0	0	0	0	0				
0 Totals	0 0	0 0	0 0	0 0	0 0	0 0	0	0	0 0	0 5	0 1				
No. of	disturbed traps	and/or bait (D):	0		Additiona	l survey night re	quired becaus	e of weather? ⁸	0	# Vali	id Trap Nights:	1			
									(No=0/Yes=1)						
		List the ind	ividual ABB M	ETRICS below an	d complete ti	he appropriate	columns. Yo	u will then CC	PY each row an	d PASTE inte Female	o Individual A	BB Capture F	orm on Pg 6.		
ABB Number	Caught in Trap No.	Male	Female	Unknown Sex	Male New ⁹	Male Old ⁹	Female New ⁹	Female Old ⁹	Male Unknown Age ⁹	Unknown Age ⁹	Dead	Pronotum Width (mm)	Picture (Yes=1/No=0)	Recapture ¹⁰	Newly Marked ¹¹
Autor	nated Tot.	0	0	0	0	0	0	0	0	0	0	NA	0		
Comments															
Proje	ect Name:	Tribal Services	Complex	AMERIC	<mark>AN BURYI</mark>	NG BEETLE			ECTION FO	RM	Survey Night:		5		
Project	ect Name: Description:	Tribal Services Building and Ro	oad Constructio		<mark>AN BURYI</mark>		Trap Type: Bait Type:	Above Ground Aged Chicken	ECTION FO		Survey Night: Date Checked ¹ : Permittee:		August 29, 2019)	
Project	Description:		oad Constructio		AN BURYI		Trap Type:	Above Ground	ECTION FO	C	Date Checked ¹ : Permittee: TE Permit #:		August 29, 2019 Steve Votaw TE-043399		
Project	Description:	Building and Ro	oad Constructio		AN BURYI	Т	Trap Type: Bait Type: rap Cover Size	Above Ground Aged Chicken	ECTION FO	C	Date Checked ¹ : Permittee:		August 29, 2019 Steve Votaw		
Project Action Age	Description:	Building and Ro Choctaw Nation 74.8	oad Construction n 95.9	n	AN BURYI	Tı We 76.7	Trap Type: Bait Type: rap Cover Size ather Data 81.5	Above Ground Aged Chicken	ECTION FO	C Sur 54	Date Checked ¹ : Permittee: TE Permit #: rvey Company: 82		August 29, 2019 Steve Votaw TE-043399		
Project Action Age	Description: ncy/Proponent: Daytime Temps	Building and Ro Choctaw Nation 74.8 (min.)	oad Constructio	n	Period Temps	Ti We 76.7 (min.)	Trap Type: Bait Type: rap Cover Size ather Data	Above Ground Aged Chicken	Humidity	54 (min.)	Date Checked ¹ : Permittee: TE Permit #: rvey Company:		August 29, 2019 Steve Votaw TE-043399		
Project Action Age	Description: ncy/Proponent:	Building and Ro Choctaw Nation 74.8	oad Construction n 95.9	n		Tı We 76.7	Trap Type: Bait Type: rap Cover Size ather Data 81.5	Above Ground Aged Chicken		C Sur 54	Date Checked ¹ : Permittee: TE Permit #: rvey Company: 82		August 29, 2019 Steve Votaw TE-043399		
Project Action Age	Description: ncy/Proponent: Daytime Temps Wind>10mph?6 ure Data	Building and Rc Choctaw Nation 74.8 (min.) No (Yes/No)	95.9 (max.)	n Survey Nicroj	Period Temps Heavy Rain? ⁵	Tr We 76.7 (min.) No	Trap Type: Bait Type: rap Cover Size ather Data 81.5 (max.)	Above Ground Aged Chicken 24"	Humidity Soil Moisture ⁴ Necrophilia	54 (min.) 1.3299	Date Checked ¹ : Permittee: TE Permit #: rvey Company: 82 (max.) Trap Night	Eagle Envir	August 29, 2019 Steve Votaw TE-043399		
Project Action Age Capt Trap No. 1	Description: ncy/Proponent: Daytime Temps Wind>10mph?e ure Data histurbed (v=1/v= 0	Building and Rc Choctaw Nation 74.8 (min.) No (Yes/No) 2 americanus 0	orbicallis 0	n Survey Nicroy tomentosus 0	Period Temps Heavy Rain? ⁵ phorus spec pustulatus 0	Tr We 76.7 (min.) No Cies marginatus 0	Trap Type: Bait Type: ap Cover Size ather Data 81.5 (max.) carolinus 0	Above Ground Aged Chicken 24" 24" 5ayi 0	Humidity Soil Moisture ⁴ Necrophilia americana 2	54 (min.) 1.3299 Necrodes surinamensiss 3	Date Checked ¹ : Permittee: TE Permit #: TE Permit #: Vey Company: 82 (max.) Trap Night (No=0/Yes=1) 1	Eagle Envir	August 29, 2019 Steve Votaw TE-043399		
Project Action Age Capt Trap No. 1 0 0	Description: ncy/Proponent: Daytime Temps Wind>10mph?e ure Data Isturbed (Y=1/N= 0 0	Building and Rc Choctaw Nation 74.8 (min.) No (Yes/No) (Yes/No) americanus 0 0 0	n 95.9 (max.) orbicollis 0 0	n Survey Nicroj tomentosus 0 0	Period Temps Heavy Rain? ⁵ Dhorus spec pustulatus 0 0 0	Ti 76.7 (min.) No Cies marginatus 0 0 0	Trap Type: Bait Type: ap Cover Size ather Data 81.5 (max.) carolinus 0 0 0	Above Ground Aged Chicken 24" Soyi 0 0 0 0 0	Humidity Soil Moisture ⁴ Necrophilia americana 2 0 0	Sur Sur (min.) 1.3299 Necrodes surinamensis 0	bate Checked ¹ : Permittee: TE Permit #: Vevey Company: 82 (max.) Trap Night (No=0/Yes=1) 1 0 0	Eagle Envir	August 29, 2019 Steve Votaw TE-043399		
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				DATA AU					ier data in	BLOCKS	1, 3, OR 4	1			
Total Numbe	r of Traps:	1			DATA	ENTRY IS ON	ILY REQUIE	RED IN DATA	BLOCK 2						
			!!!!!DA	BLOCK 1				DATA TOT	ALS BY SPE	CIES		Total Valid			
Trap No. 1	Disturbed (0/1) 0	americanus 0	orbicollis 0	tomentosus 0	pustulatus 0	marginatus 0	carolinus 0	sayi 0	Necrophilia 2	Necrodes 59		Trap Nights 5			
0	0	0	0	0	0	0	0	0	0	0		0			
0	0	0	0	0	0	0	0	0	0	0		0			
0	0	0	0	0	0	0	0	0	0	0		0			
0	0	0	0	0	0	0	0	0	0	0		0			
0 Totals	0	0	0	0	0	0	0	0	0	0		0			
	bed traps and/o		0	1	Additiona	l survey night re	quired becau			1			•		
				BLOCH	(<mark>2 - Individ</mark>	ual ABB Capt	ture Data -	DATA ENTR	Y <u>IS</u> REQUIRE	D IN THIS	BLOCK				
			COP	Y the INDIVIDUA	L ABB Capture	Data from Nig		Forms and PA		Female	W <u>BY</u> ABB	Number.			
ABB Number	Caught in Trap No.	Male	Female	Unknown Sex	Male New ⁹	Male Old ⁹	Female New ⁹	Female Old ⁹	Male Unknown Age ⁹	Unknown Age ⁹	Dead	Pronotum Width (mm)	Picture (Yes=1/No=0)	Recapture ¹⁰	Newly Marked ¹
1 2															
3 4															
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7 8															
9															
10 11															
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20 otal ABB	0	0	0	0	0	0	0	0	0	0	0	NA	0	0	0
Comments:															
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iotal Numbe	r of Traps:	1													
rotar Numbe			Canture Da			Y DATA IN T			into the Surv	ev Summa	ry Form				
			Capture Da	IIIIIDO NO ata by Trap / Tr			BLOCK au			Female	ry Form	Total Tran/Bait		Newly	
Trap No.	BLOCK 3	<mark>3 - Total ABB</mark> Male	Female	ata by Trap / Tı Unknown Sex	ransect - Da Male New ⁹	ta from THIS Male Old ⁹	Female New ⁹	topopulates	Male Unknown Age ⁹	Female Unknown Age ⁹	Dead	Trap/Bait Disturbed	Recapture ¹⁰	Newly Marked ¹¹	
Trap No. 1 0	BLOCK = Total ABB 0 0	<mark>3 - Total ABB</mark> Male 0 0	Female 0 0	unknown Sex	Male New ⁹	ta from THIS Male Old ⁹ 0 0	Female New ⁹ 0	Female Old ⁹	Male Unknown Age ⁹ 0 0	Female Unknown Age ⁹ 0 0	Dead 0 0	Trap/Bait Disturbed 0	0	Marked ¹¹ 0 0	
Trap No. 1 0 0 0	BLOCK 3 Total ABB 0 0 0	Male 0 0 0 0	Female 0 0 0 0	unknown Sex 0 0 0 0 0	Male New ⁹ 0 0 0 0 0	Male Old ⁹ 0 0 0 0 0	Female New ⁹ 0 0 0 0	Female Old ⁹ 0 0 0 0 0	Male Unknown Age ⁹ 0 0 0 0	Female Unknown Age ⁹ 0 0 0 0	Dead 0 0 0 0	Trap/Bait Disturbed 0 0 0 0	0 0 0 0	Marked ¹¹ 0 0 0 0	
Trap No. 1 0 0 0 0 0 0	BLOCK 3 Total ABB 0 0 0 0 0 0	Male 0 0 0 0 0 0 0 0	Female 0 0 0 0 0 0	Unknown Sex 0 0 0 0 0 0 0 0	Male New ⁹ 0 0 0 0 0 0 0	Male Old ⁹ O O O O O O O O O O O	BLOCK au Female New ⁹ 0 0 0 0 0 0	Female Old ⁹ 0 0 0 0 0 0 0	Male Unknown Age ⁹ 0 0 0 0 0 0	Female Unknown Age ⁹ 0 0 0 0 0 0	Dead 0 0 0 0 0 0	Trap/Bait Disturbed 0 0 0 0 0 0 0 0	0 0 0 0 0	Marked ¹¹ 0 0 0 0 0 0 0	
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