Appendix A. Crocker Wind Farm Acoustic Survey Station Photographs and Datasheets

Acoustic Detector Station Cro-1a



Station Cro-1a Location



Station Cro-1a Orientation



Station Cro-1a Detection Cone

	Acoustic Pres	canca/Drahal	da Abranca	2016 E	0 PM			,	. V	VEST			
			ne Absence	2010 F	Ulli		C	_ /	a	0.			
	Project: Crocker Station ID: OC Start Date/Time (military): 20160712 1425 End Date/Time: 20160725 1734												
	Observer(s):	6 1 2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	RLK	de jo	745	Enal	Date/Time: <u>∼</u>	01001	20 11				
	Station Information:												
	County:	Jack	State: 51	2_									
		027 (VAD83) Z	one: 147	Eas	ting: (6 d	ligits) 5	89247 No	rthing:	(7 digits) 4 °	195068			
	Detector Type: Em + Detector Serial #: \(\(\frac{1553}{2}\)\) Tablet Location*: Detector Housing: \(Ammo\) Box \(Toolbox\) Plastic Tote \(Other: \frac{1}{2}\) Other: \(\frac{1}{2}\) Ammo\(Box\) External \(\frac{1}{2}\) FExternal: \(\frac{1}{2}\) volts \(\frac{1}{2}\) amp/hrs												
	Mic Serial#* 2699 Mic Ht (m): (from ground) 3.048 Mic Channel* Audio Div* Data Div*												
	Mic Horizontal Orientation: 26 Mic Vertical Orientation: 22 Sound Reception: (None) Horn Bat Hot PVC Elbow												
(All Detector	r Checklist				Anaba	t Only						
6/2	Date/Time	Battery Mic Check Voltage Good? Y/N	Cables; detector housing; mic	Data Card(s)	Battery Changed?	Sensitivity Setting	Test Indicators (checkmark)	Valume (lowest	LED Lights (circle) (should be Standby,		tor picked up, moved, knocked		
160			holder Good?	Replaced?		(normally 6)		setting) Yes/No	unless between 1800 and 0800hrs)	over, vandalized, etc.			
X 7 20 8	20160722	6.52		U	1		"Data" lit Static Heard		Record Standby Status Error Data				
X 7001 6	2016 07 25 0539	5.46					"Data" lit Static Heard		Record Standby Status Error Data				
\bigcirc							"Data" lit Static Heard		Record Standby Status Error Data				
							"Data" lit Static Heard		Record Standby Status Error Data				
,	Habitat Descri	iption (within)	100m)			C 11	<i>[10]</i>	1	1 5 1	<i>C</i> ,	-		
	% Forested: (0) %Op	en/Aq:96 %Water:	(Dominan	t Tree Sp	op: Z.	Cotto	n Wi	100	+ Siber	ian Elm			
	Stand Age:	Young Matur	Old							1513 0114			
	Detector Samp	pling (<i>circle 1 d</i>	or more):				_		<u> </u>				
	Creek Riparia	an Pond	Bottomland Fore	est yo	land Fores	t Field	Edge (Ope	n Field)				
	Cave Entranc	e Mine Porta	Bridge	Structur	re	Other:			11	A	1		
	Topography:	Plat Slope	High Point	Low Poin					((,		
	microphone using an ar	lap out habitat features row. Include any feature ie space below, including	s of interest (water, b	ouildings, rocky	y outcrops, etc). Provide a		. /	') '' ,		$\bigcap \setminus $		
	distance to nearest wat	er. etc.).				. 1	/,	2	()	D:4 1			
	Detector	is and	nowth	S: de	of o	a dirt	1/\\	8-1	1 4	€ 70J	·/\		
	road	leading :	to ope	S	17055	Y	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	,	ld (\ \ \	(,)		
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	a dried	dirt Po	atch, P	or hay	es a	en oli	6 6	-(again	! }	- ARE		
	pand. J		est, is	٥ (٥	ir. god	1 crowl	۴ / ا	,	10000	` . ξι	· · · · · · /		
	by tree.	s lining	The di	-+ ro	ad.) le 1	1 / ,		Part 5	es 0	١, /		
	Trees es		bit to			7. Mast		//		861,	/		
	open f	ield. Ta,	The for	wes	t is c	in across	٢ ١		20	. SY	"/		
	road wi	noch lead	s to to	aren b	10uses	*		1		ras 1			
			1					, `					
	Photos (check	:)	//							11			
	Detector L	ocation		D	etector	Orientatio	orl		Detection Co				
	(detector	+ main habitat su	rveyed)	10	detector +	surrounding	habitat)		(air spac	e sampled)			

Acoustic Detector Station Cro-1b



Station Cro-1b Location



Station Cro-1b Orientation



Station Cro-1b Detection Cone

	Acoustic Pres	sence/	Probab	le Absence	2016 F	orm					VEST.		
	Project:							Station I	D:	lb			
	Start Date/Time (military): 30160722 1503 End Date/Time: 20160725 1726 Observer(s): ETG RLk												
	Station Information:												
	County: Gark State: 50												
	Detector Type		MX+	_ Detector	Serial #:	11584		Fablet Location	on*:				
	Detector Hous	ing:	Ammo	вох Тос	olbox	Plastic Tot	e Oth	er: N/A					
	Battery source	: Inte	erna) Exte	rnal IJ	External:	volts	am	p/hrs					
	Microphone												
	Mic Serial#* 27-36 Mic Ht (m): (from ground) 3.048 Mic Channel* Audio Div* Data Div* Mic Horizontal Orientation: 270 Mic Vertical Orientation: 24 Sound Reception: None Horn Bat Hot PVC Elbow												
Î				VIIIC Ver	tical Orie	entation							
	All Detector	Battery	Mic Check	Cables; detector	Data	Battery	Anaba	Test Indicators	Volume	LED Lights (circle)	Comments		
		Voltage	Good? Y/N	housing; mic holder Good?	Card(s) Replaced?	Changed?	Setting (normally 6)	(checkmark)	(lowest setting) Yes/No	(should be Standby, unless between 1800 and 0800hrs)	Le., detector set, detector over, vandalized, etc.	picked up, moved, knocked	
		6.46	1		/	/		"Data" lit Static Heard		Record Standby Status Error Data			
	20160725 1733	5.44						"Data" lit Static Heard		Record Standby Status Error Data Record Standby			
								"Data" lit Static Heard		Status Error Data Record Standby			
								"Data" lit Static Heard		Status Error			
	Habitat Description (within 100m) *Forested & Swopen/Ag: 76 Swater Q Dominant Tree Spp: Poh derosa Pine (Best guess w/ VTree agg)												
	% Forested > 5%Op	en/Ag:7	5 %water C	Dominar	t Tree S	op: To	nder	osa Pin	ے م	Des Gu	ess w/ v	ree gop)	
	Stand Age: Young (Moture) Old												
	Detector Sampling (circle 1 or more):												
	Creek Riparian Pond Bottomland Forest Upland Forest Field Edge Open Field												
\bigcirc	Cave Entrance Mine Portal Bridge Structure Other: Topography: Flat Slope (High Point) Low Point Other:												
7/0	Habitat Description: M microphone using an arr							7 /		Say	0-41	N	
A 75 WZ	written description in th	e space bel	ow, including o	fetails on width of	the road/trail/	outline, size o	f pond/lake,	iond/lake, / J. Eld					
A SEND	Petecto	1 75	beta	ween	a lin	e of i	Pine.	/			8	\langle	
15 20	Ties fo	o ofh	e ver	The ces	d Ce	man	- made	1/5	人	IF.	des		
V	for north	ro 9	he son	ith (~	20m d	eep).	Tou	.		-	1	20	
	Petecto Trees to Vulley for nouth South is	a	for	m. Ta	Ma	Co	The for	- \ \	1	Chi	ussy 1	., , [3]	
	is an a	×c/€	255 7	ond.	Do t	owhere	,'s			N. V.	aller		
	Seecins	w ls	+ al	nd to	no to	20	lino.	1				1 1	
								1	<	LOCAL MAY	J @	R/	
ļ									\geq	C.A.	0	*/	
	Photos (check)	1	/				\ /	,		1/		
	Detector Location Detector Orientation Detection Cone (detector + main habitat surveyed) (detector + surrounding habitat) (air space sampled)												
	We need and			news CASA						100 - 000 7 5			

Acoustic Detector Station Cro-2a



Station Cro-2a Location



Station Cro-2a Orientation

	Acoustic Pres	ence/	Probabl	e Ahsence	2016 F	orm	○ WEST						
	Duningt.	!	d				Station ID: da						
	Start Date/Tim	o (mili	tand. 2	01/02	25 11	11	End Date/Time: 20(60727 093)						
	Start Date/Time (military): 20/60725 16/1 End Date/Time: 20/60727 093) Observer(s): £16 7.4 k												
\sim	Station Information:												
(S. S												
54	Datum: NAD	27 (A	70	ne: 14	T Fas	ting: 16	digits) 5	97763NO	rthing: (7 digit	5149	85260		
	Datum: NAD27 (ADBS) Zone: 14T Easting: (6 digits) 577763Northing: (7 digits) 4985260 Detector Type: 8M3 Detector Serial #: 302518 Tablet Location*:												
27/2	Detector Housi	ing:	Ammo			Plastic Tot		her:					
135	Battery source	: Inte	rnal Exte		External:	volts		np/hrs					
SAMC	Microphone												
15	Mic Serial#* 6	532	Mic	Ht (m): (fro	om grour	nd) 3.048	Mic Char	nnel* 🏻	Audio Div*	\ 1	Data Div* 🚿		
•)	Mic Horizontal	Orient									at Hat PVC Elbow		
	All Detector						Anabat Only						
	Date/Time	Battery Voltage	Mic Check Good? Y/N	Cables; detector housing; mic	Data Card(s)	Battery Changed?	Sensitivity Setting	Test Indicators (checkmark)	Volume LED Lights (lowest (should be	(circle)	Comments Le., detector set, detector p	alled an array fraction	
		voltage	doodr 1/N	holder Good?	Replaced?	Changeur	(normally 6)	(cneckmark)	setting) unless bets Yes/No and 0800h	reen 1800	over, vandalized, etc.	ckeu up, moveo, knotkeu	
	20160725	6.5	./		/			"Data" lit	Record Status	Standby Error			
	(616	6. 0	v	-				Static Heard	Data Record	Standby	1		
	20166727	5.6						"Data" lit Static Heard	Status Data	Error			
								"Data" lit Static Heard	Record Status	Standby Error			
								"Data" lit	Data Record Status	Standby Error			
								Static Heard	Data				
	Habitat Descrip				. T C.		$\leq m $						
	% Forested:) 5 %Ope			_	it Tree S	pp:	- 1 rV]						
	Stand Age: Detector Samp		Mature										
	Creek Riparia			ottomland Fore	est Up	land Fores	t Field	Edge Ope	n Field)				
	Cave Entrance	e <i>N</i>	fine Portal	Bridge	Structu	re	Other:			1	A 16	☆	
	Topography:	Clar	Slope	High Point	Low Poin	nt Other	9	_	1	1/	16		
Ī	Habitat Description: Ma	p out habi	tat features wi	thin 100 m radius	of Song Meter	(x). Indicate a	lirection of		\sim	//	1/ -	N Por	
	microphone using an arm written description in the		and the standard of the said	and the second state of		to although the con-	Comment No. 1.	-1 //	0 //	1	1, 1/6	1/5/2	
	distance to nearest wate	r, etc.).		. ,	,	,			601	/	1 - 2/1	1 2/21 /	
	Detector	1'S	at	the ec	lse of	a Co	irn	Des	eo 11		7 2 32	6. /	
	C. 11		1	-1	0 0	W.	+	1/6	Jun 5	1	11 H O	1000	
	7619' 1	10 4	he or	Tequ	779n	MCW.	<i>s</i> S/.	1/ 9		long	35/8/	16	
	Detector Field, Diretl Cond To ad NW is home		2007	- 1-	a ro	and	tree	35 4	- Sect .	0/3) /0/	(Q, γ)	
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	and.	~ ~ ~ ~	Allor	- COM	in t	ield	.740	1	50150	A PARIL		16/	
	anc,	un	1-10	11-	S. T	5 4	1	1/1	1) AS		ā: //	19/	
	road	1/101	0015	/-	,	01.	<u>_6</u>			18	19 0/	/ " //	
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	a home			/		0			/ /	13	: /// 5	// /	
	a non	·							/ / /	((c) // :	1	
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				1					,	•	1		
	Photos (check)	r .	8										
						etector	Orientati	ion /	Detect	ion Cor	ne L		
	Detector Location Detector Orientation Detection Cone (detector + main habitat surveyed) (detector + surrounding habitat) (air space sampled)												

Acoustic Detector Station Cro-2b



Station Cro-2b Location



Station Cro-2b Orientation



Station Cro-2b Detection Cone

	Acoustic Pre		/Drobab	la Absance	2016 F	0 PM4	WEST								
	Project:			ie Absence	2010 F	orm	21								
	Start Date/Tim	- [0 C	ner	10/107	25 11	21	Station ID: <u>d b</u> End Date/Time: <u>2016 07 27 6918</u>								
		Observer(s): <u>ETG PLk</u>													
	Station Information: County: Clark State: SD														
	County:C	t.	s	tate:	<u> </u>		•	- 711 G		110	6-27/				
		027 (NA	D83) Zc	one: <u>147</u>	Eas	ting: (6	digits) 5°	1 +917 No	rthing:	(7 digits) 49	185 346				
	Detector Type		5M2+	_ Detector	Serial #: _		13	Tablet Location	on*:	_					
	Detector House		Ammo		olbox	Plastic Tot		er: N/K							
	Battery source	e: (Inte	ernal) Exte	rnal IJ	External:	volts	an	np/hrs							
	Microphone	7244		/		טעג צוו		1 7	. 1	n: * \	n : n: + \				
	Mic Serial#*_a	X7-1	Mic	Ht (m): (fro						\sim	Data Div*				
	Mic Horizonta			یک Mic Ver	tical Orie	entation			1: 🐬	ohe) Horn E	Bat Hat PVC Elbow	,			
	All Detector		Klist Mic Check		Data		Anaba		Valume						
	Date/Time	Battery Voltage	Good? Y/N	Cables; detector housing; mic holder Good?	Card(s) Replaced?	Battery Changed?	Sensitivity Setting (normally 6)	Test Indicators (checkmark)	(lowest setting) Yes/No	LED Lights (circle) (should be Standby, unless between 1800 and 0800hrs)	Comments i.e., detector set, detector pi over, vandalized, etc.	icked up, moved, knocked			
	20160725	6.44		V	1			"Data" lit Static Heard		Record Standby Status Error Data					
	2016 07 27 0928	5.51						"Data" lit Static Heard		Record Standby Status Error Data					
								"Data" lit Static Heard		Record Standby Status Error Data Record Standby					
								"Data" lit Static Heard		Status Error Data					
$\overline{}$	Habitat Description (within 100m)														
$\subseteq \bigvee$	% Forested & Wopen/Ag: 50 %Water: Dominant Tree Spp: () / W)														
) '/	Stand Age:		Motors												
40)	Detector Sam			r more):											
075	Creek Riparian Pond Bottomland Forest Upland Forest Field Edge Open Field Cave Entrance Mine Portal Bridge Structure Other:														
7950	Cave Entrance Mine Portal Bridge Structure Other: Topography: Flag Slope High Point Low Point Other:														
5	Habitat Description: M	lap out hab	itat features w	ithin 100 m radius	of Song Meter ((x). Indicate a	lirection of	7 /	_			N			
	microphone using an ar written description in the distance to nearest wat	ie space bel	e any features low, including o	of interest (water, fetails on width of	buildings, rocky the road/trail/o	outcrops, et outline, size o	c.). Provide a f pond/lake,	1/.				10			
	~ / /		2790	1 /	16+		>	7/4	_		* W				
	Detector	, 5	Sanc	wi chec	DAL	se en	SCOR	\ \ <u></u>				/			
	sields line	ed k	By Eli	n treps	. At	Le;	ntersect		V	sopred	888	/			
	Siebs lined by Elm trees. At the intersection The STAS is wellow height, and it burders all of the Sields. One Sield is Siv, one is Not NW, and the other is to the east. Tree also line these borders, but they are the most dence to the SE. Also dead trees creSE														
	all & wh	e L:	, /Jc.	One Sie	11 :	SW	اها ت	2 / -	50 N		VERP				
	NA VIVI	de	24	Her	: L	. H.		\ ~	+1	el	/ W/S-1				
	Trees also	lina	Hasse	barde	-s b	t 960.	· Pass.								
	the most	den	se to	yle .	SÉ, Als	ie dea	d trees	creSE)	/			./			
					_						10				
	Photos (check	()	,						_			/			
	Detector L (detector		habitat suri	veyed)			Orientati surrounding			Detection Co (air space	ne ce sampled)	Report			