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Cerulean Warbler Occurrence Atlas for Military Installations

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Legacy Project #09-429
Cerulean Warbler Occurrence Atlas for Military Installations
Final Report FY 2009

Introduction

The Cerulean Warbler (CERW, *Dendroica cerulea*) is a small wood-warbler that nests and forages in the upper canopy of mature forests. The breeding range falls entirely within the eastern US and Canada. Current information indicates that CERW are declining. The CERW is included on the USFWS 1995 Species of Management Concern list, the USFWS Birds of Conservation Concern 2008 list, and on Partners in Flight's 2004 Continental Watchlist; it is also listed in 16 states and 1 Canadian province.

The Cerulean Warbler Occurrence Atlas for military installations will evaluate the CERW status on all DoD lands with appropriate habitat that fall within the species' breeding range (plus a 100-mile buffer). This will allow DoD to manage proactively for CERW and to forge partnerships with state-level entities concerned with rare Neotropical migrants, such as Important Bird Areas programs and natural resource agencies. The long-term goal of all CERW management activities is to support the population and to prevent the federal listing of the CERW under the Endangered Species Act.

This project is entirely funded by the Department of Defense Legacy Resource Management Program.



Male Cerulean Warblers – photos by Phil Swanson and Brian Nelson

Methods

GIS technology was used to determine the sites for this study. Habitat was initially evaluated at 1-mile resolution; sites that did not have habitat at this scale were evaluated at finer resolution: 38 sites were removed from the list due to lack of habitat. All sites considered are listed in Appendix 1. (Appendix 1 is simplified version of the Inventory, a separate Excel file.)

POCs were sought for the remaining 379 sites on the “potential” list. Each POC was sent a short questionnaire regarding habitat and bird survey work on site. A sample

questionnaire is attached as Appendix 2. A project overview, a photo of the bird, and a sound clip were also provided. This range-wide “phone survey” was the main thrust of Year 1.

Questionnaires yielded three results: CERW present, CERW not present, or CERW status not known (ie, no bird survey work done). For locations with known populations of CERW, we requested abstracts of any studies done, along with the contact information for the primary researcher. These results were recorded in the “inventory” file.

Locations listed as “CERW status not known” need to be surveyed. Most of the survey work will occur in Years 2 and 3 of this project; 10 sites were surveyed in 2009 and are listed below in the “Results” section. Based on Year 1 results, an estimated 77 sites will need to be surveyed. Field staff spent a maximum of 8 hours per location to determine if CERW were present or absent. Fieldwork can only be done during the breeding season when male CERW are singing. We use local field staff when possible.

The field staff were instructed to focus their survey activities on CERW. The bird lists they developed were sent to the POC at each site. As a courtesy, the bird lists were also shared with active state breeding bird atlases (ie, Indiana). In Years 2 and 3, we will coordinate this sharing with the POC.

Difficulties

The largest problem encountered was the difficulty in obtaining POCs – 159 locations lack a POC. No protocols exist to alert 400+ installations that they will be contacted for a bird survey. Legacy staff asked the project staff to stop searching for POCs in July as these protocols were developed.

The GIS layer provided by Chris Eberly (Department of Defense Partners in Flight Program Coordinator) did not contain all of the DoD locations. Of the 14 additional locations discovered during the course of the project, 11 were USACE sites. More locations may be uncovered in Year 2.

Air Force

Volk Field CRTIC (WI)

Army

JB Myer-Henderson Hall (VA)

Army National Guard

Camp Sherman (OH)

USACE

Askew Wildlife Management Area (MS)

Barren River Lake (KY)

Bolivar Dam (OH)

Delaware Lake (OH)

Green River Lake (KY)

Nolin River Lake (KY)

Paintsville Lake (KY)

Taylorsville Lake (KY)

Union City (PA)

West Fork (Mill Creek) Lake (OH)

Yatesville Lake (KY)

The response rate was good: Of 191 questionnaires sent out, only 53 (or 28%) have not yet been returned. A second request was made to these locations in June or July, which yielded some results. These locations will need to be contacted again during Year 2.

Results

The following table summarizes the results from the questionnaires. The “other status” category covers sites with no habitat, sites that have been decommissioned and sold, and sites that have merged with other installations. The final row contains sites without POCs. For detailed results, refer to Appendix 1.

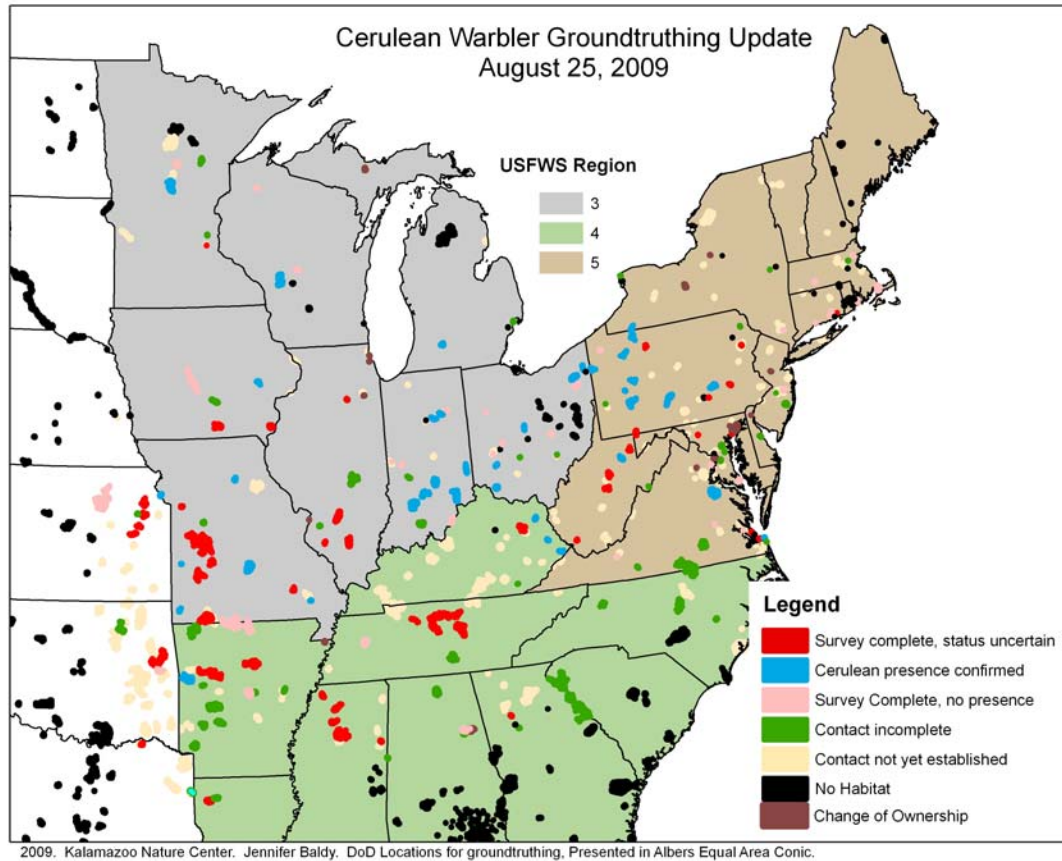
CERW Status	All DoD	AF	Army	Marines	Navy	USACE	Other
CERW present	44	0	18	0	1	25	0
CERW not present	38	4	17	0	3	13	1
Unknown	52	5	11	0	2	33	1
Other	71	12	35	2	8	12	2
No response	53	13	12	0	1	27	0
No POC	159	6	48	5	26	72	2
TOTAL	417	40	141	7	41	182	6

Of all sites at this point, 11% have CERW present, 9% do not have CERW, and 12% are uncertain of CERW presence. Another 51% (212 sites) have no CERW status (either no response or no POC). Assuming that 12% of the “no status” sites report “CERW status unknown”, an estimated 77 sites need to be surveyed in Years 2 and 3.

Ten sites were surveyed in 2009: 4 in Indiana, 1 in Minnesota, 4 in Ohio, and 1 in Wisconsin. CERW presence was confirmed at one site. However, breeding bird atlas staff discovered CERW at a site in Indiana subsequent to our survey. This is a benefit of sharing bird survey results with Atlas coordinators.

Site	Branch	State	CERW present?
Alum Creek Lake	USACE	Ohio	yes
Brookville Lake	USACE	Indiana	yes (atlas survey)
Camp Wismer Training Site	Army NG	Wisconsin	no
Cecil M Harden Lake	USACE	Indiana	no
Crosslake / Pine River Reservoir	USACE	Minnesota	no
Dillon Lake	USACE	Ohio	no
Indiana Army Ammunition Plant	Army	Indiana	no
JE Roush Lake / Huntington Lake	USACE	Indiana	no
JSMC – Lima	Army	Ohio	no
Wright-Patterson Air Force Base	Air Force	Ohio	no

These results are displayed on the map below. “CERW present” is marked in blue, “CERW not present” is marked in pink, and “CERW status unknown” is marked in red. In the Inventory, sites surveyed this year are marked in rose while sites with the status “other” (no habitat, no longer DoD property, etc.) are marked in gray.



Recommendations

No range-wide management recommendations can be made at this time, as there is no CERW status for 51% of the military installations. Since the Army and the Corps of Engineers have the most installations within the CERW’s breeding range, together accounting for over 75% of the sites in this study, any management recommendations will primarily affect these two branches.

Cerulean Warblers are present on installations within their core breeding range, centered on the mountains of Pennsylvania and West Virginia. The picture will become more interesting as results from the edge of the range are filled in.

We are excited to continue this project in 2010.

Appendix 1:

Branch	Installation	State	CERW?	Year
Army	Aberdeen - Army Chemical Center	MD	--merged--	2009
Army	Aberdeen - Edgewood Arsenal	MD	--merged--	2009
USACE	Aberdeen Lake	MS	no POC	
Army	Aberdeen Proving Ground (multiple parcels)	MD	UNCERTAIN	2009
Air Force	Air Force Plant No. 38	NY	--sold--	2009
USACE	Aliceville Lake	AL- MS	no response	
USACE	Allatoona Lake	GA	no POC	
USACE	Allegheny Reservoir	NY- PA	YES	2009
USACE	Alum Creek Lake	OH	YES	2009
Air Force	Andrews AFB	MD	no response	
Army	ANNISTON ARMY DEPOT	AL	no response	
ARNG	ARDEN HILLS ARMY TRAINING SITE	MN	no response	
USACE	Arkabutla Lake	MS	UNCERTAIN	2009
Army	Army Reserve Outdoor Training Area	NE	--no habitat--	2009
Air Force	Arnold AFB	TN	no response	
ARNG	ARTEMUS TRAINING SITE	KY	no response	
USACE	Askew Wildlife Manangement Area	MS	UNCERTAIN	2009
USACE	Atwood Lake	OH	--no habitat--	2009
ARNG	AUSTIN TRAINING AREA	SD	--no habitat--	2009
USACE	B. Everett Jordan Lake	NC	no response	
Army	Badger Army Ammunition Plant	WI	--no habitat--	2009
Air Force	BARKSDALE AFB	LA	UNCERTAIN	2009
USACE	Barren River Lake	KY	no POC	
USACE	Bay Springs Lake	MS	no POC	
USACE	Beach City Lake	OH	--no habitat--	2009
USACE	Beaver Lake	AR	no response	
USACE	Beech Fork Lake	WV	no POC	
Army	Belle Mead General Depot	NJ	--sold--	2009
USACE	Beltzville Lake	PA	no POC	
USACE	Berlin Lake	OH	NO	2009
ARNG	BETHANY BEACH TS	DE	--no habitat--	2009
ARNG	BG THOMAS BAKER TRAINING SITE	MD	no POC	
USACE	Big Sandy Lake aka Sandy Lake	MN	no response	
USACE	Birch Lake	OK	no response	
USACE	Blanchard Lake	PA	no POC	
Navy	Bloodsworth Island U.S. Naval Reservation	MD	--no habitat--	2009
Army	Blossom Point Field Test Facility	MD	no POC	

Branch	Installation	State	CERW?	Year
Army	BLUE GRASS ARMY DEPOT	KY	no POC	
USACE	Blue Marsh Lake	PA	UNCERTAIN	2009
USACE	Blue Mountain Lake	AR	no response	
USACE	Bluestone Lake	VA-WV	no POC	
USACE	Bolivar Dam	OH	--no habitat--	2009
Air Force	Bolling AFB	DC	--no habitat--	2009
USACE	Broken Bow Lake	OK	no POC	
USACE	Brookville Lake	IN	YES	2009
USACE	Buckhorn Lake	KY	no POC	
USACE	Bull Shoals Lake	AR-MO	NO	2009
USACE	Burnsville Lake	WV	no POC	
USACE	Burr Oak Lake (aka Tom Jenkins Dam & Burr Oak Lake)	OH	no response	
USACE	Cache River Mitigation Project	AR	no response	
USACE	Caddo Lake	TX	no response	
USACE	Caesar Creek Lake	OH	YES	2009
USACE	Cagles Mill Lake (aka Cataract Lake)	IN	no response	
Army	Camden Test Annex	NY	--sold--	2009
ARNG	CAMP ASHLAND	NE	no POC	
ARNG	CAMP ATTERBURY	IN	YES	2009
ARNG	CAMP BUTNER TRAINING SITE	NC	no POC	
ARNG	CAMP CLARK	MO	YES	2009
ARNG	CAMP CROWDER	MO	YES	2009
ARNG	CAMP DAWSON	WV	UNCERTAIN	2009
ARNG	CAMP DODGE	IA	NO	2009
ARNG	CAMP EDWARDS	MA	NO	2009
ARNG	CAMP FOGARTY	RI	--no habitat--	2009
ARNG	CAMP GRUBER TRAINING SITE	OK	no POC	
ARNG	CAMP HARTELL	CT	--no habitat--	2009
ARNG	CAMP JOHNSON	VT	no POC	
ARNG	CAMP MAXEY	TX	UNCERTAIN	2009
ARNG	CAMP MCCAIN	MS	no POC	
ARNG	CAMP MINDEN	LA	no response	
Navy	Camp Peary Naval Reservation	VA	no POC	
ARNG	CAMP PENDLETON SMR	VA	no response	
ARNG	CAMP PERRY TRAINING SITE	OH	--no habitat--	2009
ARNG	CAMP RELL	CT	--no habitat--	2009
ARNG	CAMP RIPLEY	MN	YES	2009
ARNG	CAMP ROBINSON	AR	NO	2009

Branch	Installation	State	CERW?	Year
ARNG	Camp Sherman	OH	YES	2009
ARNG	CAMP SMITH TRAINING SITE	NY	NO	2009
Army	Camp Williams	WI	--no habitat--	2009
ARNG	CAMP WISMER TRAINING SITE	WI	NO	2009
USACE	Candy Lake	OK	no POC	
Army	CARLISLE BARRACKS	PA	no POC	
USACE	Carlyle Lake	IL	UNCERTAIN	2009
USACE	Carr Fork Lake (aka Carr Creek Lake)	KY	no POC	
USACE	Carters Lake	GA	no POC	
ARNG	CATOOSA AREA TRAINING CENTER	TN	no POC	
USACE	Cave Run Lake	KY	UNCERTAIN	2009
USACE	Cecil M. Harden Lake (aka Raccoon Lake)	IN	NO	2009
USACE	Center Hill Lake	TN	UNCERTAIN	2009
Army	Charles Melvin Price Support Center	IL	--sold--	2009
USACE	Charles Mill Lake	OH	--no habitat--	2009
USACE	Cheatham Lake	TN	UNCERTAIN	2009
USACE	Clarence J. Brown Reservoir	OH	NO	2009
ARNG	CLARKS HILL TS	SC	no POC	
USACE	Clearwater Lake	MO	UNCERTAIN	2009
USACE	Clendening Lake	OH	--no habitat--	2009
USACE	Clinton Lake	KS	UNCERTAIN	2009
USACE	Colebrook River Lake	CT- MA	no POC	
Air Force	Columbus AFB	MS	UNCERTAIN	2009
USACE	Columbus Lake	MS	no POC	
USACE	Conemaugh River Lake	PA	YES	2009
USACE	Copan Lake	KS- OK	no POC	
USACE	Coralville Reservoir	IA	YES	2009
USACE	Cordell Hull Lake	TN	UNCERTAIN	2009
USACE	Council Grove Lake	KS	no POC	
Army	Craney Island Disposal Area	VA	--no habitat--	2009
USACE	Crooked Creek Lake	PA	YES	2009
USACE	Crosslake	MN	NO	2009
USACE	Curwensville Lake	PA	no POC	
USACE	Dale Hollow Reservoir	KY-TN	no POC	
DLA	DDC New Cumberland	PA	UNCERTAIN	2009
USACE	Deer Creek Lake	OH	no response	
USACE	DeGray Lake	AR	no response	
USACE	Delaware Lake	OH	no POC	
USACE	DeQueen Reservoir	AR	no POC	

Branch	Installation	State	CERW?	Year
Army	DETROIT ARSENAL	MI	--no habitat--	2009
USACE	Dewey Lake	KY	YES	2009
USACE	Dierks Reservoir	AR	no POC	
USACE	Dillon Lake	OH	NO	2009
Air Force	Dobbins ARB	GA	UNCERTAIN	2009
Air Force	Dover AFB (multiple parcels)	DE	no response	
Navy	Driver Naval Radio Transmitting Facility (Closed)	VA	--no habitat--	2009
DLA	DSC Richmond	VA	NO	2009
DLA	DSCC Columbus	OH	--no habitat--	2009
Air Force	Eaker Air Force Base (Closed)	AR	--sold--	2009
USACE	East Branch Clarion River Lake	PA	UNCERTAIN	2009
ARNG	EAST HAVEN RIFLE RANGE	CT	NO	2009
USACE	East Lynn Lake	WV	no POC	
USACE	El Dorado Lake	KS	no POC	
USACE	Elk City Lake	KS	no POC	
USACE	Enid Lake	MS	UNCERTAIN	2009
ARNG	ETHAN ALLEN FIRING RANGE	VT	no POC	
USACE	Eufaula Lake	OK	no POC	
USACE	Fall River Lake	KS	no POC	
USACE	Falls Lake Reservoir	NC	no POC	
USACE	Fishtrap Lake	KY	YES	2009
Air Force	Forbes Air Force Base	KS	no response	
Army	FORT A.P. HILL	VA	YES	2009
Army	FORT BELVOIR	VA	NO	2009
Army	Fort Benjamin Harrison (Closed)	IN	no POC	
Army	FORT CAMPBELL	KY	no POC	
ARNG	FORT CHAFFEE	AR	YES	2009
ARNG	FORT CUSTER TRAINING CENTER	MI	YES	2009
Army	FORT DETRICK	MD	UNCERTAIN	2009
Army	Fort Devens	MA	no POC	
Army	FORT DIX	NJ	no response	
Army	FORT DRUM	NY	no POC	
Army	FORT EUSTIS	VA	NO	2009
Army	FORT GEORGE G. MEADE	MD	no response	
USACE	Fort Gibson Lake	OK	no POC	
Army	FORT GILLEM	GA	no response	
Army	FORT HAMILTON	NY	--no habitat--	2009
ARNG	FORT INDIANTOWN GAP	PA	YES	2009
Army	FORT KNOX	KY	no POC	
Army	FORT LEAVENWORTH	KS	YES	2009

Branch	Installation	State	CERW?	Year
Army	FORT LEE	VA	no POC	
Army	FORT LEONARD WOOD	MO	YES	2009
Army	FORT LESLIE J. MCNAIR	DC	--merged--	2009
Army	Fort McClellan Military Reservation (Closed)	AL	--sold--	2009
ARNG	FORT MCCLELLAN TNG CENTER	AL	NO	2009
Army	FORT MCCOY	WI	YES	2009
Army	FORT MCPHERSON	GA	--no habitat--	2009
Army	FORT MONMOUTH	NJ	no POC	
Army	FORT MONROE	VA	--no habitat--	2009
Army	FORT MYER	VA	--merged--	2009
ARNG	FORT PICKETT	VA	no response	
Army	FORT RILEY	KS	NO	2009
Army	Fort Ritchie Military Reservation (Closed)	MD	no POC	
Army	Fort Sheridan (Closed 1993)	IL	--sold--	2009
Army	Fort Story	VA	YES	2009
Air Force	General Mitchell IAP ARS	WI	--no habitat--	2009
USACE	Gillham Lake	AR	no POC	
Navy	Glenview Naval Air Station (Closed)	IL	--sold--	2009
Army	Globecom Radio Receiving Station	MD	no POC	
USACE	Grayson Lake	KY	YES	2009
USACE	Green River Lake	KY	no POC	
Army	Greencastle Military Reservation	PA	no POC	
ARNG	GREENVILLE, UTES2,WKTS,RQ	KY	no POC	
USACE	Greers Ferry Lake	AR	UNCERTAIN	2009
USACE	Grenada Lake	MS	UNCERTAIN	2009
Air Force	Grissom ARB	IN	--no habitat--	2009
ARNG	GUILDERLAND WETS	NY	no response	
USACE	Gull Lake	MN	no POC	
Air Force	Hancock Field U.S. Air Force	NY	no POC	
Air Force	Hanscom AFB	MA	no response	
Air Force	Hardwood Range	WI	NO	2009
USACE	Harry S. Truman Reservoir	MO	UNCERTAIN	2009
USACE	Hartwell Lake	GA-SC	no response	
DoD	Harvey Point Defense Testing Activity	NC	no POC	
Marine Corps	Henderson Hall	VA	--merged--	2009
USACE	Heyburn Lake	OK	no POC	
Army	HOLSTON AAP	TN	no POC	
USACE	Hopkinton Lake	NH	no POC	
USACE	Hugo Lake	OK	no POC	

Branch	Installation	State	CERW?	Year
USACE	Hulah Lake	KS-OK	no POC	
USACE	Huntington Lake (aka JE Roush Lake)	IN	NO	2009
Army	Indiana Arsenal Army Ammunition Plant (Closed)	IN	NO	2009
Army	IOWA ARMY AMMUNITION PLANT	IA	UNCERTAIN	2009
USACE	J. Percy Priest Lake	TN	UNCERTAIN	2009
USACE	J. Strom Thurmond Lake	GA-SC	no response	
Army	JB Myer-Henderson Hall	VA	UNCERTAIN	2009
Army	Jefferson Proving Ground (Closed)	IN	YES	2009
USACE	Jennings Randolph Lake	MD-WV	no POC	
USACE	John H. Kerr Reservoir	NC-VA	no response	
USACE	John Redmond Reservoir	KS	no POC	
USACE	John W. Flanagan Reservoir (multiple parcels)	VA	no POC	
Army	Joliet Army Ammunition Plant	IL	--sold--	2009
Army	JSMC-Lima	OH	NO	2009
Air Force	K. I. Sawyer Air Force Base (Closed)	MI	--sold--	2009
Army	KANSAS ARMY AMMUNITION PLANT	KS	no POC	
USACE	Kaw Lake	OK	no POC	
Army	KELLY SUPPORT CENTER	PA	no POC	
USACE	Keystone Lake	OK	no POC	
USACE	Lac qui Parle	MN	no POC	
USACE	Lake Barkley	KY-TN	no POC	
Army	LAKE CITY ARMY AMMUNITION PLAN	MO	UNCERTAIN	2009
USACE	Lake Cumberland	KY	no POC	
USACE	Lake Dardanelle	AR	UNCERTAIN	2009
USACE	Lake Greeson	AR	no response	
USACE	Lake Moomaw	VA	no POC	
USACE	Lake O' The Pines	TX	no POC	
USACE	Lake Ouachita	AR	no response	
USACE	Lake Red Rock	IA	no response	
USACE	Lake Shelbyville	IL	no response	
USACE	Lake Sidney Lanier	GA	no POC	
Air Force	LANGLEY AFB (multiple parcels)	VA	UNCERTAIN	2009
Army	LaPorte Outdoor Training Facility	IN	no POC	
USACE	Laurel River Lake	KY	no POC	
USACE	Leech Lake	MN	no POC	
USACE	Leesville Lake	OH	--no habitat--	2009
Army	LETTERKENNY ARMY DEPOT	PA	no POC	
Army	Lexington-Blue Grass Army Depot (Closed)	KY	--no habitat--	2009

Branch	Installation	State	CERW?	Year
Air Force	Little Rock AFB	AR	no response	
Army	LONE STAR AAP	TX	no POC	
Army	Longhorn Ordnance Army Ammo Plant	TX	no POC	
USACE	Loyalhanna Lake	PA	YES	2009
ARNG	MACON TRAINING SITE	MO	YES	2009
USACE	Mahoning Creek Lake	PA	YES	2009
USACE	Mansfield Hollow Lake	CT	no POC	
Marine Corps	MARBKS Wahington DC	DC	--no habitat--	2009
USACE	Mark Twain Lake	MO	no POC	
ARNG	MARSEILLES TS	IL	UNCERTAIN	2009
USACE	Mash Lake	MN	no POC	
Army	MCALESTER AAP	OK	no POC	
Marine Corps	MCAS Cherry Point (multiple parcels)	NC	no POC	
Marine Corps	MCAS New River	NC	no POC	
Marine Corps	MCB Camp Lejeune	NC	no POC	
Marine Corps	MCB Quantico	VA	no POC	
Air Force	McGuire AFB	NJ	no POC	
Air Force	McGuire Air Defense	NJ	no POC	
ARNG	MEAD TRAINING SITE	NE	--no habitat--	2009
USACE	Melvern Lake	KS	UNCERTAIN	2009
Navy	Memphis Naval Air Station (Closed)	TN	no POC	
USACE	Michael J. Kirwan Reservoir	OH	YES	2009
Army	MILAN AAP	TN	NO	2009
USACE	Milford Lake	KS	NO	2009
USACE	Millwood Lake	AR	no response	
Air Force	Minneapolis-St Paul IAP ARS	MN	UNCERTAIN	2009
USACE	Mississinewa Lake	IN	YES	2009
USACE	Mohawk Reservoir	OH	--no habitat--	2009
USACE	Monroe Lake	IN	YES	2009
USACE	Mosquito Creek Lake	OH	YES	2009
USACE	Mount Morris Lake	NY	no POC	
ARNG	MTA CAMP CURTIS GUILD	MA	NO	2009
ARNG	MTA EASTERN KY WETS	KY	no POC	
ARNG	MUSCATATUCK URBAN TRNG CENTER	IN	YES	2009
JRB	NAS and JRB Willow Grove (multiple parcels)	PA	no POC	
Navy	NAS ATLANTA	GA	no POC	
Navy	NAS Lakehurst	NJ	NO	2009

Branch	Installation	State	CERW?	Year
Navy	NAS Lakehurst Pinehurst Estates	NJ	--no habitat--	2009
Navy	NAS Oceana (multiple parcels)	VA	no POC	
Navy	NAS PATUXENT RIVER (multiple parcels)	MD	NO	2009
Navy	Naval Academy Dairy Farm	MD	no POC	
Navy	Naval Amphib Base Little Creek	VA	UNCERTAIN	2009
Navy	Naval Base Norfolk	VA	no POC	
Navy	Naval Facility Engineering Command	NC- VA	no POC	
Navy	Naval Med Center Portsmouth	VA	--no habitat--	2009
Navy	Naval Medical Center Bethesda	MD	no POC	
Navy	NAVAL SHIPYARD NORFOLK (multiple parcels)	VA	no POC	
Navy	Naval Station Annapolis	MD	no POC	
Navy	Naval Station Washington, Solomons Complex	MD	no POC	
Navy	Naval Support Activity Mechanicsburg	PA	--no habitat--	2009
Navy	Naval Weapons Industrial Reserve Plant	NY	no POC	
Navy	NAVSTA Newport (multiple parcels)	RI	NO	2009
Navy	Navy Supply Corps School Athen	GA	--no habitat--	2009
Navy	New London (multiple parcels)	CT	UNCERTAIN	2009
Army	Newport Army Ammunition Plant	IN	no POC	
Army	NEWPORT CHEMICAL DEPOT (multiple parcels)	IN	NO	2009
ARNG	NGTC SEA GIRT	NJ	--no habitat--	2009
Air Force	Niagara Falls IAP ARS	NY	--no habitat--	2009
USACE	Nimrod Lake	AR	no POC	
USACE	Nolin River Lake	KY	no POC	
USACE	Norfolk Lake	AR- MO	NO	2009
USACE	North Fork Pound Lake	VA	no POC	
USACE	North Springfield Lake	VT	no POC	
Navy	NRL_Washington (multiple parcels)	DC	no POC	
Navy	NRS Sugar Grove	WV	no response	
Navy	NS Great Lakes	IL	no POC	
Navy	NSPC Center Mechanicsburg	WV	--no habitat--	2009
Navy	NSWC Carderock	MD	no POC	
Navy	NSWC DAHLGREN (multiple parcels)	VA	no POC	
Navy	NSWC INDIAN HEAD (multiple parcels)	MD	no POC	
Navy	NWS Earle (multiple parcels)	NJ	no POC	
Navy	NWS Yorktown (multiple parcels)	VA	no POC	
Navy	NWSC Crane	IN	YES	2009
Air Force	OFFUTT AFB (multiple parcels)	NE	--no habitat--	2009
USACE	Old Hickory Lake	TN	UNCERTAIN	2009
USACE	Oologah Lake	OK	no POC	

Branch	Installation	State	CERW?	Year
USACE	Ozark Lake	AR	no POC	
USACE	Paint Creek Lake	OH	no POC	
USACE	Paintsville Lake	KY	YES	2009
USACE	Pat Mayse Lake	TX	no POC	
USACE	Patoka Lake	IN	no response	
DoD	Pentagon	VA	--no habitat--	2009
USACE	Perry Lake	KS	UNCERTAIN	2009
Navy	Philadelphia Naval Base (Closed)	PA	no POC	
USACE	Philpott Lake	VA	no response	
Army	PICATINNY ARSENAL	NJ	no POC	
USACE	Piedmont Lake	OH	--no habitat--	2009
Army	PINE BLUFF ARSENAL	AR	no POC	
USACE	Pine Creek Lake	OK	no POC	
Air Force	Pittsburgh IAP ARS	PA	no response	
Air Force	Plattsburgh Air Force Base (Closed)	NY	no POC	
USACE	Pleasant Hill Lake	OH	--no habitat--	2009
USACE	Pomme De Terre Lake	MO	UNCERTAIN	2009
USACE	Pomona Lake	KS	UNCERTAIN	2009
USACE	Prompton Lake	PA	no response	
Air Force	Prototype Low Frequency Communications System	NE	--no habitat--	2009
USACE	R. D. Bailey Lake	WV	UNCERTAIN	2009
Army	Radford Army Ammunition Plant	VA	NO	2009
USACE	Rathbun Lake	IA	UNCERTAIN	2009
Army	Raven Rock Military Complex	PA	no POC	
ARNG	RAVENNA TNG & LOGISTICS SITE	OH	YES	2009
USACE	Raystown Lake	PA	YES	2009
Army	RED RIVER ARMY DEPOT	TX	no POC	
Army	REDSTONE ARSENAL	AL	no response	
USACE	Rend Lake	IL	UNCERTAIN	2009
USACE	Richard B. Russell Lake	GA-SC	no response	
ARNG	RIVER ROAD TRAINING SITE	DE	--sold--	2009
USACE	Robert S. Kerr Lake	OK	NO	2009
Army	ROCK ISLAND ARSENAL	IL	no POC	
Air Force	Rome Laboratory (Rome Research)	NY	--no habitat--	2009
USACE	Rough River Lake	KY	no POC	
USACE	Salamonie Lake	IN	YES	2009
USACE	Sardis Lake	OK	no POC	
USACE	Sardis Lake	MS	UNCERTAIN	2009
Army	Savanna Army Depot (Scheduled to close)	IL	no POC	

Branch	Installation	State	CERW?	Year
USACE	Saylorville Lake	IA	YES	2009
Air Force	Scott AFB	IL	no response	
Army	SCRANTON ARMY AMMUNITION PLANT	PA	--no habitat--	2009
Air Force	Selfridge ANGB	MI	no response	
Army	Seneca Army Depot (Scheduled to close)	NY	--sold--	2009
USACE	Senecaville Lake	OH	--no habitat--	2009
Air Force	Seymour Johnson AFB (multiple parcels)	NC	no response	
USACE	Shenango Lake	PA	YES	2009
USACE	Skiatook Lake	OK	no response	
Army	SOLDIER SYSTEMS CENTER NATICK	PA	--no habitat--	2009
Navy	South Weymouth Naval Air Station (Closed)	MA	no POC	
ARNG	SPARTA	IL	UNCERTAIN	2009
Air Force	Springfield-Beckley MPT AGS	OH	--no habitat--	2009
Air Force	Stewart IAP AGS	NY	no POC	
USACE	Stockton Lake	MO	UNCERTAIN	2009
ARNG	STONES RANCH MIL RES	CT	NO	2009
USACE	Stonewall Jackson Lake	WV	UNCERTAIN	2009
USACE	Summersville Lake	WV	no POC	
Army	Sunflower Army Ammunition Plant	KS	no POC	
USACE	Sutton Lake	WV	UNCERTAIN	2009
USACE	Table Rock Lake	AR-MO	UNCERTAIN	2009
USACE	Tappan Lake	OH	--no habitat--	2009
USACE	Taylorsville Lake	KY	no POC	
USACE	Tenkiller Ferry Lake	OK	UNCERTAIN	2009
USACE	Tionesta Lake	PA	YES	2009
Army	TOBYHANNA ARMY DEPOT	MA-PA	UNCERTAIN	2009
USACE	Toronto Lake	KS	no POC	
ARNG	TRUMAN TRAINING SITE	MO	UNCERTAIN	2009
USACE	Tuttle Creek Lake	KS	NO	2009
USACE	Tygart Lake	WV	YES	2009
Air Force	U.S. Air Force Transmitter Station	MD	no response	
Army	U.S. Army Aberdeen Proving Ground	MD	--merged--	2009
Army	U.S. Army Reserve Center	MA	no POC	
Marine Corps	U.S. Marine Corps Reserve Training Center	NY	no POC	
Navy	U.S. Naval Air Development Center	PA	no POC	
Navy	U.S. Naval Radio Receiving Station	MD	no POC	
Navy	U.S. Naval Supply Center	VA	no POC	
Navy	U.S. Naval Surface Weapons Center	MD	no POC	

Branch	Installation	State	CERW?	Year
USACE	Union City	PA	NO	2009
Army	UNITED STATES MILITARY ACADEMY	NY	no POC	
Army	US ARMY GARRISON SELFRIDGE	MI	no POC	
Army	US Army Natick Soldier RDE Center	MA	no POC	
Navy	US Naval Academy Annapolis	MD	no POC	
Army	Vint Hill Farms Station Military Reservation (Closed)	VA	--sold--	2009
Air Force	Volk Field CRTC	WI	NO	2009
ARNG	VTS MILAN	TN	no POC	
ARNG	VTS SMYRNA	TN	no POC	
ARNG	VTS TULLAHOMA	TN	no POC	
USACE	W. Kerr Scott Reservoir	NC	no response	
Army	WALTER REED AMC	DC	--no habitat--	2009
USACE	Wappapello Lake	MO	no POC	
ARNG	WAPPAPELLO TRAINING SITE	MO	YES	2009
Air Force	Warren Grove Range	NJ	no response	
Army	Warrenton Training Center Military Reservation	VA	no POC	
Army	WATERVLIET ARSENAL	NY	--no habitat--	2009
USACE	Webbers Falls Reservoir	OK	UNCERTAIN	2009
USACE	West Fork (Mill Creek) Lake	OH	no response	
Air Force	Westover ARB	MA	NO	2009
Air Force	WHITEMAN AFB	MO	no response	
USACE	Whitney Point Lake	NY	no POC	
USACE	Willam H. Harsha Lake	OH	YES	2009
USACE	Wills Creek Lake	OH	--no habitat--	2009
USACE	Wister Lake	OK	no POC	
USACE	Woodcock Creek Lake	PA	NO	2009
USACE	Wright Patman Lake	TX	no POC	
Air Force	Wright-Patterson AFB	IL	NO	2009
Air Force	Wurtsmith Air Force Base (Closed)	MI	no POC	
USACE	Yatesville Lake	KY	YES	2009
USACE	Youghiogheny River Lake	MD-PA	UNCERTAIN	2009
ARNG	YOUNGSTOWN TRAINING SITE	NY	no response	
Air Force	Youngstown-Warren Reg APT ARS	OH	--no habitat--	2009

Appendix 2:

Cerulean Warbler Survey Questionnaire

1. Does your site have mature forest? (> 50 feet high, > 50% canopy coverage)
☐ Yes ☐ No

If yes, how many contiguous acres? (If your site has multiple parcels, please list each parcel separately.)

2. Have bird surveys been done at your site within the past 5 years? (This can include surveys by your own staff, Audubon groups, or contracted researchers.)
☐ Yes ☐ No

If yes, have they been during the breeding season? (See dates below.)
☐ Yes ☐ No

If yes, have Cerulean Warblers been documented?
☐ Yes ☐ No

3. Have contracted researchers conducted Cerulean Warbler-specific studies?
☐ Yes ☐ No

If yes, please include the "Abstract" paragraph from the completed study or a one paragraph synopsis of the study along with the contact information for the lead researcher.

4. If we need to access your site to survey for Cerulean Warblers who should we contact to get permission?

Name:

Email:

Phone:

Breeding season dates:

Arrives April 15 from Tennessee north

Arrives May 1 from Pennsylvania to Iowa and north

Your Name:

Site:

E-mail:

Phone:

Address: