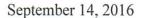


United States Department of the Interior

FISH AND WILDLIFE SERVICE

176 Croghan Spur Road, Suite 200 Charleston, South Carolina 29407





Mr. Randall Thompson Environmental Engineer South Carolina Department of Health and Environmental Control 2600 Bull Street Columbia, SC 29201

Re: Proposed DONMAR Sand Mine

Berkeley County, South Carolina FWS Log No. 2016-TA-0574

Dear Mr. Thompson:

The U.S. Fish and Wildlife Service (Service) has reviewed the September 6, 2016, email from F.H. Milligan Design, L.L.C. in response to the Service's recommendation to survey the proposed DONMAR sand mine for American chaffseed (*Schwalbea americana*) and pondberry (*Lindera melissifolia*) in our August 18, 2016, letter. Mr. Freeman H. Milligan and Mr. John Mazzarella conducted the DONMAR sand mine survey on September 3, 2016. They did not find any American chaffseed and/or pondberry. As such, the Service does not have any objections with this project as proposed. At this time, no further consultation is necessary.

Included with this correspondence is a list of species that have been petitioned for listing under the ESA, as well as Candidate Species. These species are collectively referred to as "At-Risk Species" (ARS). We have included a list of the ARS that may occur in Berkeley County, South Carolina. Although there are no Federal protections afforded to ARS, please consider including them in your project efforts. Incorporating proactive measures to avoid or minimize harm to ARS may improve their status and assist with precluding the need to list these species. Additional information on ARS can be found at:

http://www.fws.gov/southeast/candidateconservation

The Service recommends that you contact the South Carolina Department of Natural Resources, regarding potential impacts to State protected species. If the proposed project will impact streams or wetlands, you should contact the U.S. Army Corps of Engineers, Charleston District

If you have further questions or require additional information regarding this letter, please contact Ms. April Punsalan at (843) 727-4707 ext. 218, and reference FWS Log No. 2016-TA-0574.

Sincerely,

Thomas D. McCoy

Field Supervisor

TDM/APP

ec:

Mr. F. H. Milligan, F. H. Milligan Design, LLC, Mt. Pleasant, SC

South Carolina List of At-Risk, Candidate, Endangered, and Threatened Species - Berkeley County

CATEGORY	COMMON NAME/STATUS	SCIENTIFIC NAME	SURVEY WINDOW/ TIME PERIOD	COMMENTS		
Amphibian	Frosted flatwoods salamander (T, CH)	Ambystoma cingulatum	January 1-April 30	Larvae present in breeding ponds		
	Gopher frog (ARS)	Lithobates capito	Breeding: October-March	Call survey: February-April		
Bird	American wood stork (T)	Mycteria americana	February 15-September 1	Nesting season		
	Bald eagle (BGEPA)	Haliaeetus leucocephalus	October 1-May 15	Nesting season		
	MacGillivray's seaside sparrow (ARS)	Ammodramus maritimus macgillivraii	May-June			
	Red-cockaded woodpecker (E)	Picoides borealis	April 1-July 31	Nesting season		
Crustacean		None Found				
Fish	American eel (ARS)	Anguilla rostrata	March 1-May 30;	Temperature dependent: normally (17-		
			October 1-December 15	20°C); can be found between 13-25°C		
	Atlantic sturgeon* (E)	Acipenser oxyrinchus*	February 1-April 30	Spawning migration		
	Blueback herring (ARS)	Alosa aestivalis	Mid-January-mid May	Peak: March-April		
	Shortnose sturgeon* (E)	Acipenser brevirostrum*	February 1-April 30	Spawning migration		
Insect	None Found					
	Rafinesque's big-eared bat (ARS)	Corynorthinus rafinesquii	Year round	Found in mines, caves, large hollow		
Mammal				trees, buildings, and bat towers		
	Tri-colored bat (ARS*)	Perimyotis subflavus	Year round	Found in mines and caves in the winter		
	West Indian manatee (E)	Trichechus manatus	May 15-October 15	In coastal waters		
Mollusk	None Found					
	American chaffseed (E)	Schwalbea americana	May-August	1-2 months after a fire		
For a list of 5	Boykin's lobelia (ARS)	Lobelia boykinii	May-July/August			
	Bog asphodel (ARS*)	Narthecium americanum	June-July			
	Canby's dropwort (E)	Oxypolis canbyi	Mid-July-September			
	Carolina-birds-in-a-nest (ARS)	Macbridea caroliniana	July-November			
	Carolina bishopweed (ARS)	Ptilimnium ahlesii	May-July			
	Ciliate-leaf tickseed (ARS)	Coreopsis integrifolia	August-November	ries has a high possibility of		
	Pondberry (E)	Lindera melissifolia	February-March			
	Raven's seedbox (ARS)	Ludwigia ravenii	June-October			
POYP-CH	Sun-facing coneflower (ARS)	Rudbeckia heliopsidis	July-September			
Reptile	Eastern diamondback rattlesnake (ARS)	Crotalus adamanteus	Most of the year	Peak: April-November		
	Southern hognose snake (ARS)	Heterdon simus	Most of the year			
	Spotted turtle (ARS)	Clemmys guttata	February-mid April	o choque		

Species that are either former Candidate Species or are emerging conservation priority species

Species that the FWS has been petitioned to list and for which a positive 90-day finding has been issued (listing may be warranted); information of the property of the proper

The U.S. Fish and Wildilfe Service (FWS) and NIMFS share jurisdiction of this species

Contact National Marine Fisheries Service (NMFS) for more information on this species

South Carolina List of At-Risk, Candidate, Endangered, and Threatened Species - Berkeley County

*	Contact National Marine Fisheries Service (NMFS) for more information on this species						
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ARS			y finding has been issued (iii	sting may be warranted); information			
ARS*	is provided only for conservation actions as		priority species				
BGEPA	Species that are either former Candidate Species or are emerging conservation priority species Federally protected under the Bald and Golden Eagle Protection Act						
С	FWS or NMFS has on file sufficient information on biological vulnerability and threat(s) to support proposals to list these species						
CH	Critical Habitat	Heterdon simus	Most of the year				
E	Federally Endangered	Crotalus adamanteus	Most of the year	Peak: April-November			
P or P - CH	Proposed for listing or critical habitat in the	Federal Register	July-September				
S/A	Federally protected due to similarity of appe	lenguation teaching	June-October				
Т	Federally Threatened	Lindera melissifolia	February-March				
	nould be used only as a guideline, not as the fine ecords are updated as deemed necessary and		rences and areas where the sp	ecies has a high possibility of			
occurring. IV	(Carolina-birds-in-a-nest (ARS)	Machidea caroliniana	July-November				
For a list of S	state endangered, threatened, and species of c	concern, please visit https://www.dnr.sc.gov	//species/index.html.				
	itate endangered, threatened, and species of o	Narthecium americanum	June-July				
	Boykin's lobelia (ARS)	Lobelia boyklait	May-July/August				
	American chaffseed (E)	Schwalbea americana	May-August	1-2 months after a fire			
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Mammal	West Indian manatee (E)	Trichechus manatus	May 15-October 15	In coastal waters			
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Fish	Shortnose sturgeon* (E)	Acipenser brevirostrum*	February 1-April 30	Spawning migration			
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CATACORY	COMMON NAME(STATUS	-SCIENTIFIC NAME	PRIME SERGE	COMMENTS			