



Pennsylvania Fish & Boat Commission

Division of Environmental Services
450 Robinson Lane
Bellefonte, PA 16823

August 6, 2007

RECEIVED

IN REPLY REFER TO
SIR # 26053

RETTEW ASSOCIATES
Attn: Beth Arnold
3020 Columbia Avenue
Lancaster, PA 17603

AUG 8 2007

RETTEW ASSO., INC.

RE: Species Impact Review (SIR) – Rare, Candidate, Threatened and Endangered Species
PNDI Potential Conflict Search Number: 2007-06-12-096056
RETTEW Project No. 07-01586-002 Phase 12 (YO18)
S.R. 3045, Segment 0080, Offset 690 – Jacobs Mill Road Culvert Replacement
Heidelberg Township, York County, Pennsylvania

Dear Ms. Arnold:

I have examined the map accompanying your correspondence for the above referenced project. Based on records maintained in the Pennsylvania Natural Diversity Inventory (PNDI) database and our own files, the following rare or protected species is known from the vicinity of the project site:

Common Name	Scientific Name	PA Status	Federal Status
Bog turtle	<i>Glyptemys muhlenbergii</i>	endangered	threatened

A wetland identified as Wetland #1 is located within the project area of direct effect adjacent to the stream flowing through the culvert. A Phase 1 bog turtle habitat assessment of Wetland #1 was completed by your firm on June 20, 2007 and indicates that this wetland is potential bog turtle habitat. In addition, your firm has determined that the stream where the project is located may serve as a travel corridor for bog turtles. Based on the supporting documentation you have provided, we concur with these determinations of habitat presence.

You have proposed to perform the work during the inactive period of the bog turtle (October 31 through March 31). However, the area of project impact may include bog turtle hibernacula, so work during this time frame may result in take of bog turtles. In order to prevent potential species take, we recommend additional evaluation of the potential habitat identified in the Phase 1 survey to determine whether or not the area of both direct and indirect project impact includes potential bog turtle hibernacula. This determination of hibernacula suitability must be performed by a qualified bog turtle surveyor from the enclosed list. Please provide us with information regarding the presence of bog turtle hibernacula within the project area of effect. Following this additional assessment of habitat, we may recommend a Phase 2 bog turtle survey or other measures to avoid species impacts.

Our Mission:

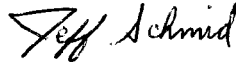
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To provide fishing and boating opportunities through the protection and management of aquatic resources.

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In any future correspondence with us regarding this specific project, please refer to the SIR tracking number indicated in the upper left-hand corner of this letter. Please contact me at (814) 359-5236 if you have questions regarding this response. Thank you for your cooperation and attention to this matter of endangered species conservation.

Sincerely,

A handwritten signature in black ink that reads "Jeff Schmid". The signature is written in a cursive style with a large, stylized "J" and "S".

Jeff Schmid, Fisheries Biologist

Enclosure (1)

cc: Robert Anderson, USFWS
Andy Blascovich, PA DEP, SCRO - Harrisburg
Sharon Okin, PENNDOT, Engineering District 8-0