

From: [Smith, Glenn](#)
To: [Sumalee Hoskin](#)
Cc: [Cindy Schulz](#); [Troy Andersen](#); [Jennifer Stanhope](#); [Emily Argo](#); [alison whitlock](#); [Elizabeth Stout](#); [Tiernan Lennon](#); [Douglas, Barbara](#); [Schmidt, John](#); [John Ellis](#); sarah_mcrae@fws.gov; [Rose Agbalog](#); [Jordan Richard](#)
Subject: Re: [EXTERNAL] MVP impacts on RLP
Date: Thursday, November 1, 2018 10:33:45 AM

Sorry, but have some all day NMFS meeting. Will join if we adjourn early.

On Thu, Nov 1, 2018 at 10:23 AM Hoskin, Sumalee <sumalee_hoskin@fws.gov> wrote:

All,
I have scheduled a call with Paul Angermeier to discuss his comments below, which potentially have broader reaching implications to aquatic species analysis besides Roanoke Logperch. Please join if you're available. I will send out a calendar invite shortly.
Thanks,
Sumalee

Sumalee Hoskin
US Fish & Wildlife Service
6669 Short Lane
Gloucester, VA 23061

Tel: 804-824-2414
Fax: 804-693-9032
Visit us at <http://www.fws.gov/northeast/virginiafield/>

----- Forwarded message -----

From: **Angermeier, Paul** <biota@vt.edu>
Date: Tue, Oct 23, 2018 at 10:46 AM
Subject: [EXTERNAL] MVP impacts on RLP
To: Cindy Schulz <cindy_schulz@fws.gov>, Troy Andersen <troy_andersen@fws.gov>, Hoskin, Sumalee <sumalee_hoskin@fws.gov>

Dear Cindy, Troy, and Sumalee,

With all the recent renewed scrutiny of MVP environmental impacts, including some permits being vacated and/or revised, I decided to take a close look at the Roanoke Logperch portion of the BO you submitted to FERC on 21 Nov 2017. I did not see (and was not asked to review) the BO before it was submitted. The BO clearly represents a TON of work, which I imagine had to be done in a painfully short timeline and under significant duress. However, I've identified several important shortcomings (see attached) that I believe led to significant underestimates of potential MVP impacts on RLP, as summarized in the BO. More importantly, the BO does not require implementation of a monitoring protocol that can provide scientifically credible estimates of RLP take, whatever that turns out to be.

I don't know if my comments can be put to any particular use, as I'm unfamiliar with your political and bureaucratic constraints in the context of managing potential environmental impacts on RLP. Perhaps my comments and the BO are moot at this stage of the MVP project. Alternatively, perhaps you will have upcoming opportunities to re-engage with MVP proponents regarding impact monitoring and assessment – this is my hope. Or perhaps my comments can be useful in your management of the Atlantic Coast Pipeline, which I expect to have similar environmental impacts.

In any case, I welcome the opportunity to discuss my comments and/or their implications if you think that would be helpful.

Sincerely,

Paul

Paul L. Angermeier

Virginia Cooperative Fish and Wildlife Research Unit

Dept. of Fish and Wildlife Conservation

Virginia Tech

Blacksburg, VA 24061-0321

Phone: 540-231-4501; Fax: 540-231-7580

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Glenn S. Smith

300 Westgate Center Dr.

Hadley, MA 01035

413-253-8627

"Continuous improvement is better than delayed perfection." Mark Twain

"Better Conservation More Efficiently" Section 7(a)(1)

Proactive, landscape, level, strategic conservation!