

Exhibit E-1 Summary of Consultation cont.

NGO CONSULTATION

From: [Alison Jakupca](#)
To: [Jeff Carter \(jmcarter00@sc.rr.com\)](mailto:jmcarter00@sc.rr.com)
Cc: BARGENTIERI@scana.com; [Kelly Miller](#); [Henry Mealing](#); [BOOZER, THOMAS C](#)
Subject: FW: Updated RUNS Study Plan
Date: Wednesday, October 15, 2014 11:19:49 AM

Mr. Carter,

Kelly forwarded me your email as she is out of the office for a few days. Our decision not to include the Highway 34 site for exit interviews is not related to past safety issues, it has more to do with general safety protocols for our survey clerks. As survey clerks are stationed at one site for 4 to 6 hours at a time, we prefer for them to have a good cell phone signal and/or a general steady flow of use through the site so that someone visiting the site could help them in the event of an emergency (car breaking down, etc). From my discussions with other folks, and personal visits to the site, cell phone signal is not good in this particular area. This, coupled with its relatively remote location, led to our decision to only include this area for traffic counter data collection.

This being said, it is not our intention to imply that this site is not important. Traffic counter data will give us a wealth of information, and we will have employees visiting the site regularly to download the traffic counter data, perform vehicle spot counts at the site, and observe general site use. Moreover, not having a survey clerk at this site does not preclude improvements to this area in the future. As I noted before, we will be able to glean much about use from the traffic counter data and spot counts at this site.

I hope this helps address your concerns. Please let me know if you have any other questions or concerns on this matter.

Thanks and take care,

Alison

Alison Jakupca
Regulatory Coordinator
Kleinschmidt Associates
Office: 803.462.5628
www.Kleinschmidtusa.com

----- Original message -----

From: Jeffrey Carter
Date: 10/14/2014 9:33 AM (GMT-05:00)
To: Kelly Miller
Subject: Re: Updated RUNS Study Plan

Kelly, I am a little taken back that there are safety concerns at the Highway 34 landing. Could you elaborate as to what these reasons are and why SCE&G can't provide some level of comfort for not only individuals who would be doing a survey but more importantly users of that facility. This certainly sounds like there are past issues at this site that should be openly discussed. I would hope that there is proper safety protocols in place for any area within the PBL but this is concerning. Could you provide more detailed insight as to exactly what these issues are and how they will be addressed going forward.

Thanks
Jeff

Sent from my iPhone

On Oct 13, 2014, at 8:29 PM, Kelly Miller <Kelly.Miller@KleinschmidtGroup.com> wrote:

All,

As you are aware, the Recreation Use and Needs Study Plan describes the various study methodologies to be implemented at Project Area recreation sites. These methodologies include, but are not limited to, traffic counters and exit interviews administered by a survey clerk stationed at the recreation site.

As previously drafted, the study plan called for exit interviews and a traffic counter at the Highway 34 boat ramp. Due to safety reasons, it has been determined that a survey clerk should not be stationed at this site to perform exit interviews. However, a traffic counter will be installed at this site and spot counts will be collected when traffic counter data is downloaded.

An updated study plan, with track changes to reflect this modification, has been attached to this email. If you have any questions or concerns, please let us know by November 14th, at which time the updated study plan will be finalized.

Thanks!
Kelly

Kelly Miller
Regulatory Coordinator
<image001.gif>
Office: 803.462.5633
www.KleinschmidtGroup.com

<002-FINAL Parr Recreation Use and Needs Study Plan - revised 10-14.docx>

From: [Gerrit Jobsis](#)
To: [Kelly Miller](#); [Alison Jakupca](#); [BARGENTIERI@scana.com](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [Byron Hamstead \(Byron_hamstead@fws.gov\)](#); [Chad Altman \(altmankc@dhec.sc.gov\)](#); [Dick Christie \(christied@dnr.sc.gov\)](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Hal Beard \(BeardH@dnr.sc.gov\)](#); [Henry Mealing](#); [Jay Maher](#); [Jim Glover \(gloverjb@dhec.sc.gov\)](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#); [QUATTLEBAUM, MILTON](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Robert Stroud \(StroudR@dnr.sc.gov\)](#); [Ron Ahle](#); [Sam Stokes \(stokess@dnr.sc.gov\)](#); [Shane Boring](#); [Steve Summer](#); [Tom McCoy \(thomas_mccoy@fws.gov\)](#); "Vivianne Vejdani"
Subject: RE: draft Fisheries TWC meeting notes - 04/01/14
Date: Tuesday, April 22, 2014 3:22:34 PM
Attachments: [draft_040114_Fisheries_TWC_notes_\(Jobsis\).doc](#)

Kelly,

Here are the comments of American Rivers. We made substantial headway at the end of our discussion on Parr Reservoir fluctuation study that is important to include. That is we agreed the study would provide more detail on how fluctuations affect navigation and loss of recreation use, as well as aquatic habitat. My edit reflecting this is attached.

Best regards,

Gerrit

Gerrit Jöbsis, American Rivers
Senior Director, Southeast Conservation Programs
215 Pickens Street
Columbia, SC 29205
(O) 803.771.7114 (M) 803.546.7926

Keep up on the latest river news and info: www.americanrivers.org/updates

Please consider the environment before printing this e-mail.

From: Kelly Miller [mailto:Kelly.Miller@kleinschmidtusa.com]
Sent: Friday, April 18, 2014 10:29 AM
To: [Alison Jakupca](#); [BARGENTIERI@scana.com](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [Byron Hamstead \(Byron_hamstead@fws.gov\)](#); [Chad Altman \(altmankc@dhec.sc.gov\)](#); [Dick Christie \(christied@dnr.sc.gov\)](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Gerrit Jobsis](#); [Hal Beard \(BeardH@dnr.sc.gov\)](#); [Henry Mealing](#); [Jay Maher](#); [Jim Glover \(gloverjb@dhec.sc.gov\)](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#); [Kelly Miller](#); [QUATTLEBAUM, MILTON](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Robert Stroud \(StroudR@dnr.sc.gov\)](#); [Ron Ahle](#); [Sam Stokes \(stokess@dnr.sc.gov\)](#); [Shane Boring](#); [Steve Summer](#); [Tom McCoy \(thomas_mccoy@fws.gov\)](#); "Vivianne Vejdani"
Subject: draft Fisheries TWC meeting notes - 04/01/14

All,

Attached are the meeting notes from the Fisheries TWC meeting held on Tuesday, April 1st. Please review and have any comments or edits back to me by Friday, May 2nd.

Thanks,
Kelly

Kelly Miller
Regulatory Coordinator

Kleinschmidt

Office: 803.462.5633

www.KleinschmidtGroup.com

From: [Tyger - Enoree River Alliance](#)
To: [Kelly Miller](#)
Subject: Re: draft Parr Hydroelectric Project PAD
Date: Monday, July 28, 2014 4:43:45 PM

Hello Kelly,

I ran into some people from Kleinschmidt a month or two ago at a public scoping outside Chester, SC. There is a stream mitigation program going on out there and your company is working with that project as well, I think.

Anyway, someone from Kleinschmidt (maybe it was you?) recognized me and asked me to keep in touch regarding some work on waterfowl or the waterfowl area on the Enoree.... something to do with ducks anyway! I am unsure exactly what the interest was. At any rate, we will be gearing up for our annual program that deals with plastic mitigation in waterfowl loads, shortly. We have a French company that we worked with last year, they produce bio degradable waterfowl loads. We will be working with them again this year and perhaps some other activities centered around habitat conservation. I don't know if this ties in with what is going on with the Parr Shoals project, but will be happy to see what we can do to help with your efforts. If you can forward this along to whomever is looking at waterfowl issues, I would appreciate it.

Sincerely,

Jon Durham
(803) 271 6701
www.tygerenoree.com

----- Original Message -----

From: [Kelly Miller](#)
To: BARGENTIERI@scana.com ; [Elizabeth Johnson \(emjohnson@scdah.state.sc.us\)](mailto:Elizabeth.Johnson@scdah.state.sc.us) ; [Frank Henning@nps.gov](mailto:Frank.Henning@nps.gov) ; [Kelly Miller](#) ; [QUATTLEBAUM, MILTON](#) ; [Randy Mahan \(randolph.mahan@scana.com\)](#) ; [randy.mahan \(rmahan@sc.rr.com\)](mailto:randy.mahan@sc.rr.com) ; [Steve Summer](#) ; tboozier@scana.com ; [Alison Jakupca](#) ; [Bill Marshall \(marshallb@dnr.sc.gov\)](mailto:Bill.Marshall@dnr.sc.gov) ; [Bill Stangler \(CRK@congareeriverkeeper.org\)](#) ; [Byron Hamstead \(Byron.hamstead@fws.gov\)](mailto:Byron.hamstead@fws.gov) ; [Chad Altman \(altmankc@dhec.sc.gov\)](#) ; [Charlene Coleman \(cheetahtrk@yahoo.com\)](mailto:Charlene.Coleman@cheetahtrk@yahoo.com) ; [Chris Johnston \(JohnstonWC@gmail.com\)](#) ; [Chuck Hightower \(hightocw@dhec.sc.gov\)](mailto:Chuck.Hightower@dhec.sc.gov) ; [David Eargle \(eargleda@dhec.sc.gov\)](#) ; [Dick Christie \(christied@dnr.sc.gov\)](mailto:Dick.Christie@dnr.sc.gov) ; [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](mailto:Fritz.Rohde@noaa.gov) ; [Gerrit Jobsis \(gjobsis@americanrivers.org\)](mailto:Gerrit.Jobsis@americanrivers.org) ; [Hal Beard \(BeardH@dnr.sc.gov\)](mailto:Hal.Beard@dnr.sc.gov) ; [Henry Mealing](#) ; [J. Hagood Hamilton Jr. \(jhamilton@scana.com\)](#) ; [Jaclyn Daly \(Jaclyn.Daly@noaa.gov\)](mailto:Jaclyn.Daly@noaa.gov) ; [Jay Maher](#) ; [Jim Glover \(gloverjb@dhec.sc.gov\)](#) ; [Jon Durham \(jondurham@bellsouth.net\)](mailto:Jon.Durham@bellsouth.net) ; [Ley, Amanda](#) ; [Malcolm Leaphart \(mwleapjr@att.net\)](mailto:Malcolm.Leaphart@att.net) ; [Mark Caldwell \(mark.caldwell@fws.gov\)](mailto:Mark.Caldwell@fws.gov) ; [Mel Jenkins \(greenpalmetto@yahoo.com\)](#) ; [Pace Wilber \(Pace.Wilber@noaa.gov\)](mailto:Pace.Wilber@noaa.gov) ; [Ron Ahle](#) ; [Rusty Wenerick \(weneriwr@dhec.sc.gov\)](mailto:Rusty.Wenerick@dhec.sc.gov) ; [Sam Stokes \(stokess@dnr.sc.gov\)](mailto:Sam.Stokes@dnr.sc.gov) ; [Scott Castleberry \(castlews@dhec.sc.gov\)](#) ; [Scott Harder](#) ; [Shane Boring](#) ; [Tom McCoy \(thomas_mccoy@fws.gov\)](mailto:Tom.McCoy@fws.gov) ; ['Vivianne Vejdani'](#) ; [Wayne and Ginny Boland \(wayneboland@bellsouth.net\)](mailto:Wayne.and.Ginny.Boland@bellsouth.net) ; btrump@scana.com ; [David Haddon \(dhaddon@scana.com\)](mailto:David.Haddon@scana.com) ; [Erich Miarka \(erich.miarka@gillscreekwatershed.org\)](mailto:Erich.Miarka@gillscreekwatershed.org) ; [Jeff Carter \(jmcarter00@sc.rr.com\)](mailto:Jeff.Carter@sc.rr.com) ; [Joe Wojcicki](#) ; [John Fantry \(jfantry@bellsouth.net\)](mailto:John.Fantry@bellsouth.net) ; [Mark Davis](#)

mdavis@scprt.com) ; [Merrill McGregor \(merrillm@sccl.org\)](mailto:Merrill_McGregor(merrillm@sccl.org)) ; rammarell@scana.com ; [Robert Stroud \(StroudR@dnr.sc.gov\)](mailto:Robert_Stroud(StroudR@dnr.sc.gov)) ; [Scott Collins \(secollins@scana.com\)](mailto:Scott_Collins(secollins@scana.com)) ; [William Hendrix \(hendrixwb@dot.state.sc.us\)](mailto:William_Hendrix(hendrixwb@dot.state.sc.us)) ; [Bret Hoffman](mailto:Bret_Hoffman) ; [Bruce Halverson](mailto:Bruce_Halverson) ; [Dick Christie \(dchristie@comporium.net\)](mailto:Dick_Christie(dchristie@comporium.net)) ; [Terri Hogan \(terri_hogan@nps.gov\)](mailto:Terri_Hogan(terri_hogan@nps.gov))

Sent: Monday, July 28, 2014 3:54 PM

Subject: draft Parr Hydroelectric Project PAD

Good afternoon all!

Attached is the draft Parr Hydroelectric Project Pre-Application Document (PAD). Please review and have any comments or edits to me by August 31st. Please note that the appendices will be included with the final document.

Thanks,
Kelly

Kelly Miller
Regulatory Coordinator

Kleinschmidt

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From: [Gerrit Jobsis](#)
To: [Kelly Miller](#); [Alison Jakupca](#); [BARGENTIERI@scana.com](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [Byron Hamstead \(Byron_hamstead@fws.gov\)](#); [Chad Altman \(altmankc@dhec.sc.gov\)](#); [Dick Christie \(christied@dnr.sc.gov\)](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Hal Beard \(BeardH@dnr.sc.gov\)](#); [Henry Mealing](#); [Jay Maher](#); [Jim Glover \(gloverjb@dhec.sc.gov\)](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#); [QUATTLEBAUM, MILTON](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Robert Stroud \(StroudR@dnr.sc.gov\)](#); [Ron Ahle](#); [Sam Stokes \(stokess@dnr.sc.gov\)](#); [Shane Boring](#); [Steve Summer](#); [Tom McCoy \(thomas_mccoy@fws.gov\)](#); "Vivianne Vejdani"
Subject: RE: Draft Reservoir Fluctuation Study Plan
Date: Tuesday, April 01, 2014 6:13:22 PM
Attachments: [011-Draft Reservoir Fluctuations Study Plan 022514-American Rivers comments.docx](#)

Kelly, et al. – Attached are American Rivers' written comments on the study plan which we made during the robust discussion at today's meeting.

Gerrit

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Keep up on the latest river news and info: www.americanrivers.org/updates

Please consider the environment before printing this e-mail.

From: Kelly Miller [mailto:Kelly.Miller@KleinschmidtUSA.com]
Sent: Tuesday, February 25, 2014 9:25 AM
To: Alison Jakupca; BARGENTIERI@scana.com; Bill Marshall (marshallb@dnr.sc.gov); Bill Stangler (CRK@congariverkeeper.org); Byron Hamstead (Byron_hamstead@fws.gov); Chad Altman (altmankc@dhec.sc.gov); Dick Christie (christied@dnr.sc.gov); Fritz Rohde (Fritz.Rohde@noaa.gov); Gerrit Jobsis; Hal Beard (BeardH@dnr.sc.gov); Henry Mealing; Jay Maher; Jim Glover (gloverjb@dhec.sc.gov); Karla Reece (Karla.Reece@noaa.gov); Kelly Miller; QUATTLEBAUM, MILTON; rammarell@scana.com; Randy Mahan (randolph.mahan@scana.com); randy mahan (rmahan@sc.rr.com); Robert Stroud (StroudR@dnr.sc.gov); Ron Ahle; Sam Stokes (stokess@dnr.sc.gov); Shane Boring; Steve Summer; Tom McCoy (thomas_mccoy@fws.gov); 'Vivianne Vejdani'
Subject: Draft Reservoir Fluctuation Study Plan

All,

Attached is the draft Reservoir Fluctuation Study Plan. Please review and submit any comments or questions by Friday, March 14th. We will be discussing this study plan at the next Fisheries TWC meeting.

Thanks,
Kelly

Kelly Miller

Regulatory Coordinator

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From: [Gerrit Jobsis](#)
To: [Kelly Miller](#); [Alan Stuart](#); [Alison Jakupca](#); [BARGENTIERI@scana.com](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [btrump@scana.com](#); [Charlene Coleman \(cheetahrk@yahoo.com\)](#); [Chuck Hightower \(hightocw@dhec.sc.gov\)](#); [David Haddon \(dhaddon@scana.com\)](#); [dhancock@scana.com](#); [Dick Christie \(dchristie@comporium.net\)](#); [Erich Miarka \(erich.miarka@gillscreekwatershed.org\)](#); [Frank Henning@nps.gov](#); [J. Hagood Hamilton Jr. \(jhamilton@scana.com\)](#); [Jeff Carter \(jmcarter00@sc.rr.com\)](#); [Joe Wojcicki](#); [John Fantry \(jfantry@bellsouth.net\)](#); [Jon Durham \(jondurham@bellsouth.net\)](#); [Mark Davis \(mdavis@scprt.com\)](#); [Merrill McGregor \(merrillm@sccl.org\)](#); [Pace Wilber \(Pace.Wilber@noaa.gov\)](#); "Prescott Brownell"; [QUATTLEBAUM, MILTON](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [Rebecca Haynes](#); [Robert Stroud \(StroudR@dnr.sc.gov\)](#); [Rusty Wenerick \(weneriwr@dhec.sc.gov\)](#); [tboozer@scana.com](#); "Vivianne Vejdani"; [Wayne and Ginny Boland \(wayneboland@bellsouth.net\)](#); [William Hendrix \(hendrixwb@dot.state.sc.us\)](#)
Subject: RE: Final Recreation TWC Meeting Notes - 05/14/13
Date: Monday, June 17, 2013 5:08:50 PM

Bill, Alan and others,

I missed the May 14 Recreation TWC meeting due to conflicting work related travel and I could not voice my opinion at that time. I am surprised that the meeting summary provided includes no plans for a separate recreation flow study as was done for the Saluda and other relicensings in SC and NC. The state navigation flow assessment is certainly valid for determining minimum flow to meet state requirements, but the resulting flow is often different than what is needed for quality recreational experiences for non-motorized boaters and anglers.

American Rivers recommends that a recreational flow study be conducted as part of the relicensing to determine the quality of recreational experiences at different flows for non-motorized boaters and anglers. We do not believe the state navigation flow study which sets a single minimum flow will adequately address recreational boating needs for all recreation users.

Best regards,

Gerrit

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Senior Director, Southeast Conservation Programs
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(O) 803.771.7114 (M) 803.546.7926

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www.AmericanRivers.org/Dam-olition

Please consider the environment before printing this e-mail.

From: Kelly Miller [mailto:Kelly.Miller@KleinschmidtUSA.com]
Sent: Monday, June 17, 2013 2:52 PM
To: Alan Stuart; Alison Jakupca; BARGENTIERI@scana.com; Bill Marshall (marshallb@dnr.sc.gov); Bill Stangler (CRK@congariverkeeper.org); btrump@scana.com; Charlene Coleman (cheetahrk@yahoo.com); Chuck Hightower (hightocw@dhec.sc.gov); David Haddon (dhaddon@scana.com); dhancock@scana.com; Dick Christie (dchristie@comporium.net); Erich Miarka

(erich.miarka@gillscreekwatershed.org); Frank_Henning@nps.gov; Gerrit Jobsis; J. Hagood Hamilton Jr. (jhamilton@scana.com); Jeff Carter (jmcarter00@sc.rr.com); Joe Wojcicki; John Fantry (jfantry@bellsouth.net); Jon Durham (jondurham@bellsouth.net); Kelly Miller; Mark Davis (mdavis@scprt.com); Merrill McGregor (merrillm@sccl.org); Pace Wilber (Pace.Wilber@noaa.gov); 'Prescott Brownell'; QUATTLEBAUM, MILTON; rammarell@scana.com; Randy Mahan (randolph.mahan@scana.com); Rebecca Haynes; Robert Stroud (StroudR@dnr.sc.gov); Rusty Wenerick (weneriwr@dhec.sc.gov); tboozier@scana.com; 'Vivianne Vejdani'; Wayne and Ginny Boland (wayneboland@bellsouth.net); William Hendrix (hendrixwb@dot.state.sc.us)

Subject: Final Recreation TWC Meeting Notes - 05/14/13

All,

Attached for your record are the final meeting notes from the May 14th Recreation TWC meeting.

Please note that this document will also be posted to the Project website at

www.parrfairfieldrelicense.com.

Thanks!

Kelly

Kelly Miller

Regulatory Coordinator

Kleinschmidt

Office: 803.462.5633

www.KleinschmidtUSA.com

From: [Gerrit Jobsis](#)
To: [Kelly Miller](#); [Alan Stuart](#); [Shane Boring](#); [Brandon Kulik](#); BARGENTIERI@scana.com; [Bill Marshall](#); [Bill Stangler](#) (CRK@congaereeriverkeeper.org); rammarell@scana.com; [Thomas McCoy](#); [QUATTLEBAUM, MILTON](#); [Ron Ahle](#); byron_hamstead@fws.gov; [Rusty Wenerick \(weneriwr@dhec.sc.gov\)](mailto:weneriwr@dhec.sc.gov); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](mailto:Fritz.Rohde@noaa.gov); [Dick Christie \(dchristie@comporium.net\)](mailto:Dick.Christie@comporium.net); ["Vivianne Vejdani"](#); Frank_Henning@nps.gov
Subject: RE: IFIM meeting notes
Date: Thursday, August 08, 2013 12:30:41 PM
Attachments: [draft_073113_Instream Flows TWC_notes \(Jobsis comments\).doc](#)

Kelly,

Thanks for your summary and the opportunity to review. Attached are my edits in redline related to navigation study, 2D modeling, striped bass spawning lifestage, snail bullhead juvenile lifestage, and channel indices.

Best regards,

Gerrit

Gerrit Jöbsis, American Rivers
Senior Director, Southeast Conservation Programs
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(O) 803.771.7114 (M) 803.546.7926

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www.AmericanRivers.org/Dam-olition

Please consider the environment before printing this e-mail.

From: Gerrit Jobsis
Sent: Friday, June 14, 2013 5:24 PM
To: 'Kelly Miller'; Alan Stuart; Shane Boring; Brandon Kulik; BARGENTIERI@scana.com; Bill Marshall; Bill Stangler (CRK@congaereeriverkeeper.org); rammarell@scana.com; Thomas McCoy; QUATTLEBAUM, MILTON; Ron Ahle; Prescott Brownell - NOAA Federal
Subject: RE: IFIM Recon Trip - June 18-19

Thanks Kelly. I look forward to it. I'll be participating Tuesday but won't be able to make it Wednesday. See you then.

Gerrit

Gerrit Jöbsis, American Rivers
Senior Director, Southeast Conservation Programs
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Keep the Bucket Moving! Help remove a dangerous dam at
www.AmericanRivers.org/Dam-olition

Please consider the environment before printing this e-mail.

From: Kelly Miller [<mailto:Kelly.Miller@KleinschmidtUSA.com>]
Sent: Friday, June 14, 2013 2:01 PM
To: Alan Stuart; Shane Boring; Brandon Kulik; BARGENTIERI@scana.com; Bill Marshall; Bill Stangler (CRK@congareriverkeeper.org); rammarell@scana.com; Thomas McCoy; QUATTLEBAUM, MILTON; Ron Ahle; Gerrit Jobsis; Prescott Brownell - NOAA Federal
Subject: IFIM Recon Trip - June 18-19

Good afternoon gentlemen!

The IFIM Recon Trip to establish transects for the Parr Relicensing IFIM Study is planned for next Tuesday and Wednesday, June 18th and 19th. As a reminder, a map of the general transect locations discussed during the Instream Flows TWC meeting is attached. Information on the trip is as follows:

Tuesday

- Please meet at 800 Lake Murray Blvd Irmo, SC 29063 at **7:30 am** Tuesday morning. (This is the same meeting location from the Broad River Canoe Trip in March.)
- You will then travel as a group to the first general transect area.
- A brief itinerary for Tuesday is as follows:
 - Mark transect at area immediately below the Parr Dam.
 - Travel to canoe put-in at the Palmetto Trail/railroad trestle. Canoe downstream to establish transects at next general location, indicated on the attached map.
 - Travel to Haltiwanger Island and establish transect at this location.
- You will then travel back to your cars and go home for the day.
- Plan for a full day on Tuesday. **Pack any food you will need throughout the day, as lunch is NOT provided.**

Wednesday

- Please meet at 800 Lake Murray Blvd, Irmo, SC 29063 at **7:30 am** Wednesday morning.
- Wednesday you will be traveling by boat to the final two destinations, at Huffman and Bookman Islands. All travel to and from where you parked will be provided.
- Again, please plan for a full day on Wednesday. **Pack any food you will need throughout the day, as lunch is NOT provided.**

If you are not able to attend this trip, please let me know ASAP.

Thanks!
Kelly

Kelly Miller
Regulatory Coordinator

Kleinschmidt

Office: 803.462.5633

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From: [Gerrit Jobsis](#)
To: [Kelly Miller](#); [Alison Jakupca](#); [BARGENTIERI@scana.com](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congaereiverkeeper.org\)](#); [Bret Hoffman](#); [Bruce Halverson](#); [Byron Hamstead \(Byron_hamstead@fws.gov\)](#); [Dick Christie \(christied@dnr.sc.gov\)](#); [Frank_Henning@nps.gov](#); [Henry Mealing](#); [J. Hagood Hamilton Jr. \(jhamilton@scana.com\)](#); [Jay Maher](#); [Joe Wojcicki](#); [Malcolm Leaphart \(mwleapjr@att.net\)](#); [Pace Wilber \(Pace.Wilber@noaa.gov\)](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Scott Harder](#); [Steve Summer](#); [Terri Hogan \(terri_hogan@nps.gov\)](#); [Tom McCoy \(thomas_mccoy@fws.gov\)](#); ["Vivianne Vejdani"](#); [Wayne and Ginny Boland \(wayneboland@bellsouth.net\)](#)
Subject: RE: Inflow Dataset Development: Statistical Methodology
Date: Wednesday, May 28, 2014 4:55:52 PM
Attachments: [001 Parr Reservoir Inflow Data Development 2014-05-13 American River comments.docx](#)

Kelly,

Please find attached American Rivers comments on the inflow data plan. It is intended to support the Final Parr Fairfield Operations Model Study Plan. That study plan says "The goal of this task is to create the best available historic inflow series, which will form the input to the operations models, energy models, and habitat and recreational studies." As my comments in the document state, I do not agree that this inflow data set will be usable to evaluate the effects of project operations on habitat and recreation. Project operations via inflow alterations and reservoir fluctuations affect habitat and recreation values on a real time basis (hourly or less) that cannot be estimated using monthly average inflow estimates. Smoothing the data with regression equations removes the hourly and sub-hourly variation that is essential to understanding project effects.

I received USFWS comments which also raise some important questions. It would be useful to convene a call among those interested to answer some of the questions raised in our respective comments.

Gerrit

Gerrit Jöbsis, American Rivers
Senior Director, Southeast Conservation Programs
215 Pickens Street
Columbia, SC 29205
(O) 803.771.7114 (M) 803.546.7926

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Please consider the environment before printing this e-mail.

From: Kelly Miller [mailto:Kelly.Miller@KleinschmidtGroup.com]
Sent: Tuesday, May 13, 2014 3:19 PM
To: [Alison Jakupca](#); [BARGENTIERI@scana.com](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congaereiverkeeper.org\)](#); [Bret Hoffman](#); [Bruce Halverson](#); [Byron Hamstead \(Byron_hamstead@fws.gov\)](#); [Dick Christie \(christied@dnr.sc.gov\)](#); [Frank_Henning@nps.gov](#); [Gerrit Jobsis](#); [Henry Mealing](#); [J. Hagood Hamilton Jr. \(jhamilton@scana.com\)](#); [Jay Maher](#); [Joe Wojcicki](#); [Kelly Miller](#); [Malcolm Leaphart \(mwleapjr@att.net\)](#); [Pace Wilber \(Pace.Wilber@noaa.gov\)](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Scott Harder](#); [Steve Summer](#); [Terri Hogan \(terri_hogan@nps.gov\)](#); [Tom McCoy \(thomas_mccoy@fws.gov\)](#); ["Vivianne Vejdani"](#); [Wayne and Ginny Boland \(wayneboland@bellsouth.net\)](#)
Subject: Inflow Dataset Development: Statistical Methodology

All,

Please find attached for your review and comment the statistical methodology for the development of the Parr inflow dataset. We will finalize the dataset after receiving comments, and provide sufficient detail in the model development report such that the dataset can be replicated.

Please submit any comments or questions by Tuesday, May 27th.

Thanks,
Kelly

Kelly Miller

Regulatory Coordinator

Kleinschmidt

Office: 803.462.5633

www.KleinschmidtGroup.com

From: [Congaree Riverkeeper](#)
To: [Kelly Miller](#)
Subject: Re: Parr PAD reminder
Date: Saturday, August 30, 2014 4:41:02 PM
Attachments: [DRAFT Parr PAD CRK Comments.docx](#)

Kelly,

Attached is the draft PAD with the handful of comments and edits I made in track changes. Let me know if you have any questions. Thanks.

--

Bill Stangler
Congaree Riverkeeper

On Wed, Aug 27, 2014 at 8:36 AM, Kelly Miller
<Kelly.Miller@kleinschmidtgroup.com> wrote:

Good morning!

This is a reminder that any comments or edits on the draft PAD for the Parr Relicensing Project are due by August 31st.

Thanks!

Kelly

Kelly Miller

Regulatory Coordinator

Kleinschmidt

Office: [803.462.5633](tel:803.462.5633)

www.KleinschmidtGroup.com

From: [Gerrit Jobsis](#)
To: [Alan Stuart](#); [Kelly Miller](#); [Alison Jakupca](#); BARGENTIERI@scana.com; [Bill Marshall \(marshallb@dnr.sc.gov\)](mailto:marshallb@dnr.sc.gov); [Bill Stangler \(CRK@congariverkeeper.org\)](mailto:CRK@congariverkeeper.org); btrump@scana.com; [Charlene Coleman \(cheetahrk@yahoo.com\)](mailto:cheetahrk@yahoo.com); [Chuck Hightower \(hightocw@dhec.sc.gov\)](mailto:hightocw@dhec.sc.gov); [David Haddon \(dhaddon@scana.com\)](mailto:dhaddon@scana.com); dhancock@scana.com; [Dick Christie \(dchristie@comporium.net\)](mailto:dchristie@comporium.net); [Erich Miarka \(erich.miarka@gillscreekwatershed.org\)](mailto:erich.miarka@gillscreekwatershed.org); Frank_Henning@nps.gov; [J. Hagood Hamilton Jr. \(jhamilton@scana.com\)](mailto:jhamilton@scana.com); [Jaclyn Daly \(Jaclyn.Daly@noaa.gov\)](mailto:Jaclyn.Daly@noaa.gov); [Jeff Carter \(jmcarter00@sc.rr.com\)](mailto:jmcarter00@sc.rr.com); [Joe Wojcicki](#); [John Fantry \(jfantry@bellsouth.net\)](mailto:jfantry@bellsouth.net); [Jon Durham \(jondurham@bellsouth.net\)](mailto:Jon_Durham@jondurham@bellsouth.net); [Mark Davis \(mdavis@scprt.com\)](mailto:mdavis@scprt.com); [Merrill McGregor \(merrillm@scccl.org\)](mailto:merrillm@scccl.org); [Pace Wilber \(Pace.Wilber@noaa.gov\)](mailto:Pace.Wilber@noaa.gov); [QUATTLEBAUM, MILTON](mailto:QUATTLEBAUM_MILTON); rammarell@scana.com; [Randy Mahan \(randolph.mahan@scana.com\)](mailto:Randy_Mahan@randolph.mahan@scana.com); [Robert Stroud \(StroudR@dnr.sc.gov\)](mailto:StroudR@dnr.sc.gov); [Rusty Wenerick \(weneriwr@dhec.sc.gov\)](mailto:weneriwr@dhec.sc.gov); tboozier@scana.com; "Vivianne Vejdani"; [Wayne and Ginny Boland \(wayneboland@bellsouth.net\)](mailto:Wayne_and_Ginny_Boland@bellsouth.net); [William Hendrix \(hendrixwb@dot.state.sc.us\)](mailto:William_Hendrix@hendrixwb@dot.state.sc.us)
Subject: RE: Recreation Study Guidelines update
Date: Tuesday, July 09, 2013 12:15:13 PM

Thanks for the clarification Alan. I understood the outcome of our discussion differently. We discussed that we don't think the outfitters have great knowledge re flows but that some locals who paddle frequently might. Regardless, I can agree to your approach.

Gerrit

Gerrit Jöbsis, American Rivers
Senior Director, Southeast Conservation Programs
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Columbia, SC 29201
(O) 803.771.7114 (M) 803.546.7926

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Please consider the environment before printing this e-mail.

From: Alan Stuart [mailto:Alan.Stuart@KleinschmidtUSA.com]
Sent: Tuesday, July 02, 2013 9:10 AM
To: Gerrit Jobsis; Kelly Miller; Alison Jakupca; BARGENTIERI@scana.com; [Bill Marshall \(marshallb@dnr.sc.gov\)](mailto:marshallb@dnr.sc.gov); [Bill Stangler \(CRK@congariverkeeper.org\)](mailto:CRK@congariverkeeper.org); btrump@scana.com; [Charlene Coleman \(cheetahrk@yahoo.com\)](mailto:cheetahrk@yahoo.com); [Chuck Hightower \(hightocw@dhec.sc.gov\)](mailto:hightocw@dhec.sc.gov); [David Haddon \(dhaddon@scana.com\)](mailto:dhaddon@scana.com); dhancock@scana.com; [Dick Christie \(dchristie@comporium.net\)](mailto:dchristie@comporium.net); [Erich Miarka \(erich.miarka@gillscreekwatershed.org\)](mailto:erich.miarka@gillscreekwatershed.org); Frank_Henning@nps.gov; [J. Hagood Hamilton Jr. \(jhamilton@scana.com\)](mailto:jhamilton@scana.com); [Jaclyn Daly \(Jaclyn.Daly@noaa.gov\)](mailto:Jaclyn.Daly@noaa.gov); [Jeff Carter \(jmcarter00@sc.rr.com\)](mailto:jmcarter00@sc.rr.com); [Joe Wojcicki](#); [John Fantry \(jfantry@bellsouth.net\)](mailto:jfantry@bellsouth.net); [Jon Durham \(jondurham@bellsouth.net\)](mailto:Jon_Durham@jondurham@bellsouth.net); [Mark Davis \(mdavis@scprt.com\)](mailto:mdavis@scprt.com); [Merrill McGregor \(merrillm@scccl.org\)](mailto:merrillm@scccl.org); [Pace Wilber \(Pace.Wilber@noaa.gov\)](mailto:Pace.Wilber@noaa.gov); [QUATTLEBAUM, MILTON](mailto:QUATTLEBAUM_MILTON); rammarell@scana.com; [Randy Mahan \(randolph.mahan@scana.com\)](mailto:Randy_Mahan@randolph.mahan@scana.com); [Robert Stroud \(StroudR@dnr.sc.gov\)](mailto:StroudR@dnr.sc.gov); [Rusty Wenerick \(weneriwr@dhec.sc.gov\)](mailto:weneriwr@dhec.sc.gov); tboozier@scana.com; "Vivianne Vejdani"; [Wayne and Ginny Boland \(wayneboland@bellsouth.net\)](mailto:Wayne_and_Ginny_Boland@bellsouth.net); [William Hendrix \(hendrixwb@dot.state.sc.us\)](mailto:William_Hendrix@hendrixwb@dot.state.sc.us)
Subject: RE: Recreation Study Guidelines update

Hi Gerrit,

First off, thanks again to you and Erich for the presentations during the Op's meeting. The information was very beneficial to the Op's group.

I wanted to make a slight clarification. I believe our intent was to start with the local outfitters and canoe/kayak clubs to determine what recreation flow information they could provide us (the TWC). I don't believe our intent was to poll landowners unless they are part of one of the above organizations. As you correctly point out, if the first tier groups can't provide the TWC the necessary information we will certainly work towards developing a more robust approach/method to address the recreational flow aspect.

If we need to discuss further, please give me a call.

Thanks !

Alan

PS. Hope everyone has a Happy 4th !

From: Gerrit Jobsis [<mailto:gjobsis@americanrivers.org>]

Sent: Friday, June 28, 2013 1:57 PM

To: Kelly Miller; Alan Stuart; Alison Jakupca; BARGENTIERI@scana.com; Bill Marshall (marshallb@dnr.sc.gov); Bill Stangler (CRK@congareriverkeeper.org); btrump@scana.com; Charlene Coleman (cheetahrk@yahoo.com); Chuck Hightower (hightocw@dhec.sc.gov); David Haddon (dhaddon@scana.com); dhancock@scana.com; Dick Christie (dchristie@comporium.net); Erich Miarka (erich.miarka@gillscreekwatershed.org); Frank_Henning@nps.gov; J. Hagood Hamilton Jr. (jhamilton@scana.com); Jaclyn Daly (Jaclyn.Daly@noaa.gov); Jeff Carter (jmcarter00@sc.rr.com); Joe Wojcicki; John Fantry (jfantry@bellsouth.net); Jon Durham (jondurham@bellsouth.net); Mark Davis (mdavis@scprt.com); Merrill McGregor (merrillm@scccl.org); Pace Wilber (Pace.Wilber@noaa.gov); QUATTLEBAUM, MILTON; rammarell@scana.com; Randy Mahan (randolph.mahan@scana.com); Robert Stroud (StroudR@dnr.sc.gov); Rusty Wenerick (weneriwr@dhec.sc.gov); tboozier@scana.com; 'Vivianne Vejdani'; Wayne and Ginny Boland (wayneboland@bellsouth.net); William Hendrix (hendrixwb@dot.state.sc.us)

Subject: RE: Recreation Study Guidelines update

Kelly,

Thanks for the quick turn around on yesterday's meeting summary. My notes differ regarding the last bullet. Here is what I believe we agreed to at the end of yesterday's meeting.

- Identify local paddlers (outfitters, landowners and others) who frequently use the Broad River below Parr Shoals dam.
- Interview them to see if (1) they have a good feel which flow(s) provide quality recreation experiences and (2) if they do, ask them what flow(s) provide quality of recreation experiences.
- Bring the results back to the Recreation TWC to determine if this information is adequate for determining recreation flow needs or if a site specific recreation study is needed.

Gerrit

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Keep the Bucket Moving! Help remove a dangerous dam at
www.AmericanRivers.org/Dam-olition

Please consider the environment before printing this e-mail.

From: Kelly Miller [<mailto:Kelly.Miller@KleinschmidtUSA.com>]

Sent: Friday, June 28, 2013 1:35 PM

To: Alan Stuart; Alison Jakupca; BARGENTIERI@scana.com; Bill Marshall (marshallb@dnr.sc.gov); Bill Stangler (CRK@congareeiverkeeper.org); btrump@scana.com; Charlene Coleman (cheetahtrk@yahoo.com); Chuck Hightower (hightocw@dhcec.sc.gov); David Haddon (dhaddon@scana.com); dhancock@scana.com; Dick Christie (dchristie@comporium.net); Erich Miarka (erich.miarka@gillscreekwatershed.org); Frank_Henning@nps.gov; Gerrit Jobsis; J. Hagood Hamilton Jr. (jhamilton@scana.com); Jaclyn Daly (Jaclyn.Daly@noaa.gov); Jeff Carter (jmcarter00@sc.rr.com); Joe Wojcicki; John Fantry (jfantry@bellsouth.net); Jon Durham (jondurham@bellsouth.net); Kelly Miller; Mark Davis (mdavis@scprt.com); Merrill McGregor (merrillm@sccl.org); Pace Wilber (Pace.Wilber@noaa.gov); QUATTLEBAUM, MILTON; rammarell@scana.com; Randy Mahan (randolph.mahan@scana.com); Robert Stroud (StroudR@dnr.sc.gov); Rusty Wenerick (weneriwr@dhcec.sc.gov); tboozier@scana.com; 'Vivianne Vejdani'; Wayne and Ginny Boland (wayneboland@bellsouth.net); William Hendrix (hendrixwb@dot.state.sc.us)

Subject: Recreation Study Guidelines update

All,

Stemming from a discussion yesterday between some members of the Recreation TWC, the recreation study guidelines that were developed during the Recreation TWC meeting held on May 14th have been revised to reflect the recommendations of American Rivers. Please see the attached document for these revisions.

Thanks!

Kelly

Kelly Miller
Regulatory Coordinator

Kleinschmidt

Office: 803.462.5633

www.KleinschmidtUSA.com

From: [Gerrit Jobsis](#)
To: [Kelly Miller](#); [Henry Mealing](#); [Alison Jakupca](#); [BARGENTIERI@scana.com](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congareeriverkeeper.org\)](#); [Byron Hamstead \(Byron_hamstead@fws.gov\)](#); [Chad Altman \(altmankc@dhec.sc.gov\)](#); [David Eargle \(eargleda@dhec.sc.gov\)](#); [Henry Mealing](#); [Jay Maher](#); [Jim Glover \(gloverjb@dhec.sc.gov\)](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#); [QUATTLEBAUM, MILTON](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [Sam Stokes \(stokess@dnr.sc.gov\)](#); [Scott Castleberry \(castlews@dhec.sc.gov\)](#); [Shane Boring](#); [Steve Summer](#); [Tom McCoy \(thomas_mccoy@fws.gov\)](#); "Vivianne Vejdani"
Subject: RE: Study Plans for Review
Date: Wednesday, October 02, 2013 2:55:58 PM
Attachments: [004-Draft_RSSL_Study_Plan.docx](#)

Kelly,

Attached in redline format are my comments on the RSSL plan which relate to 3 things.

- Making sure Frost Shoals is included in the study area ("between" does not "include")
- The plan should include assessment of alternatives to avoid, minimize and mitigate project impacts to lilies unless there will be a separate study plan developed for that purpose.
- The study would be postponed to 2016 if high flows of other conditions during 2015, such as this year, do not allow for a good quality study to be performed.

I will not be commenting on the crayfish study.

Also, are you considering delaying the commenting deadline due to the federal government shutdown?

Thanks

Gerrit

Gerrit Jobsis, American Rivers
Senior Director, Southeast Conservation Programs
1001 Washington Street, Suite 301
Columbia, SC 29201
(O) 803.771.7114 (M) 803.546.7926

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From: Kelly Miller [mailto:Kelly.Miller@KleinschmidtUSA.com]
Sent: Friday, September 06, 2013 4:59 PM
To: [Henry Mealing](#); [Alison Jakupca](#); [BARGENTIERI@scana.com](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congareeriverkeeper.org\)](#); [Byron Hamstead \(Byron_hamstead@fws.gov\)](#); [Chad Altman \(altmankc@dhec.sc.gov\)](#); [David Eargle \(eargleda@dhec.sc.gov\)](#); [Gerrit Jobsis](#); [Henry Mealing](#); [Jay Maher](#); [Jim Glover \(gloverjb@dhec.sc.gov\)](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#); [Kelly Miller](#); [QUATTLEBAUM, MILTON](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [Sam Stokes \(stokess@dnr.sc.gov\)](#); [Scott Castleberry \(castlews@dhec.sc.gov\)](#); [Shane Boring](#); [Steve Summer](#); [Tom McCoy \(thomas_mccoy@fws.gov\)](#); "Vivianne Vejdani"
Subject: Study Plans for Review

All,

Attached are the Rocky Shoals Spider Lily Study Plan and Spiny Crayfish Study Plan. Please review these documents and have any comments or edits back to me by Friday, October 4th. We will discuss these plans at the next RT&E TWC meeting, which will be scheduled for sometime in November.

Thanks,
Kelly

Kelly Miller
Regulatory Coordinator

Kleinschmidt

Office: 803.462.5633

www.KleinschmidtUSA.com

From: [Alison Jakupca](mailto:Alison_Jakupca)
To: [Congaree Riverkeeper](mailto:Congaree_Riverkeeper)
Cc: [Kelly Miller](mailto:Kelly_Miller); BARGENTIERI@scana.com; [Bill Marshall \(marshallb@dnr.sc.gov\)](mailto:Bill_Marshall_(marshallb@dnr.sc.gov)); BRESNAHAN, AMY; btrump@scana.com; [Byron Hamstead \(Byron_hamstead@fws.gov\)](mailto:Byron_Hamstead_(Byron_hamstead@fws.gov)); [Charlene Coleman \(cheetahtk@yahoo.com\)](mailto:Charlene_Coleman_(cheetahtk@yahoo.com)); [Chuck Hightower \(hightocw@dhec.sc.gov\)](mailto:Chuck_Hightower_(hightocw@dhec.sc.gov)); [David Haddon \(dhaddon@scana.com\)](mailto:David_Haddon_(dhaddon@scana.com)); [Dick Christie \(christied@dnr.sc.gov\)](mailto:Dick_Christie_(christied@dnr.sc.gov)); [Erich Miarka \(erich.miarka@gillscreekwatershed.org\)](mailto:Erich_Miarka_(erich.miarka@gillscreekwatershed.org)); [Frank Henning@nps.gov](mailto:Frank_Henning@nps.gov); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](mailto:Gerrit_Jobsis_(gjobsis@americanrivers.org)); [Greg Mixon \(mixong@dnr.sc.gov\)](mailto:Greg_Mixon_(mixong@dnr.sc.gov)); [Henry Mealing; J. Hagood Hamilton Jr. \(jhamilton@scana.com\); Jaclyn Daly \(Jaclyn.Daly@noaa.gov\); Jay Maher; Jeff Carter \(jmcarter00@sc.rr.com\); Joe Wojcicki; John Fantry \(jfantry@bellsouth.net\); Jon Durham \(jondurham@bellsouth.net\); Malcolm Leaphart \(mwleapjr@att.net\); Mark Davis \(mdavis@scprt.com\); Merrill McGregor \(merrillm@scccl.org\); Pace Wilber \(Pace.Wilber@noaa.gov\); QUATTLEBAUM, MILTON; rammarell@scana.com; Randy Mahan \(randolph.mahan@scana.com\); randy_mahan \(rmahan@sc.rr.com\); Robert Stroud \(StroudR@dnr.sc.gov\); Rusty Wenerick \(weneriwr@dhec.sc.gov\); Scott Collins \(secollins@scana.com\); Steve Summer; tbooz@scana.com; Wayne and Ginny Boland \(wayneboland@bellsouth.net\); William Hendrix \(hendrixwb@dot.state.sc.us\)](mailto:Henry_Mealing; J._Hagood_Hamilton_Jr._(jhamilton@scana.com); Jaclyn_Daly_(Jaclyn.Daly@noaa.gov); Jay_Maher; Jeff_Carter_(jmcarter00@sc.rr.com); Joe_Wojcicki; John_Fantry_(jfantry@bellsouth.net); Jon_Durham_(jondurham@bellsouth.net); Malcolm_Leaphart_(mwleapjr@att.net); Mark_Davis_(mdavis@scprt.com); Merrill_McGregor_(merrillm@scccl.org); Pace_Wilber_(Pace.Wilber@noaa.gov); QUATTLEBAUM, MILTON; rammarell@scana.com; Randy_Mahan_(randolph.mahan@scana.com); randy_mahan_(rmahan@sc.rr.com); Robert_Stroud_(StroudR@dnr.sc.gov); Rusty_Wenerick_(weneriwr@dhec.sc.gov); Scott_Collins_(secollins@scana.com); Steve_Summer; tbooz@scana.com; Wayne_and_Ginny_Boland_(wayneboland@bellsouth.net); William_Hendrix_(hendrixwb@dot.state.sc.us))
Subject: RE: Updated RUNS Study Plan
Date: Wednesday, November 12, 2014 4:07:41 PM

Bill,

Thank you for your email and concern for the relicensing RUNS study, and thank you for our phone discussion to clarify your comment. We had not planned to do a “formal” evaluation of recreation use at any sites outside of the Project Boundary, but we do want to pull in other information sources regarding recreation use for downstream activities. We received information from Bill Marshall that the Palmetto Conservation Foundation collects trail counter data at selected areas along the Palmetto Trail near the Broad River at Alston. We will be working with him to see if we can get multiple years of data for that site. We will also contact the Harbison State Forest to see how much and what type of use data they have for their facility. I am also including some “Recreation Use/Access Location” questions for the first Downstream Recreation Flow Focus Group meeting coming up in December (TBA). All of these sources will be compiled and included as an Addendum to the RUNS study.

Hopefully, this clarifies why we did not include it in the RUNS study and how we plan to consolidate current and historic information for the RCG to consider. Please let us know if we need further clarification.

Thanks, Alison

From: Congaree Riverkeeper [mailto:crk@congareriverkeeper.org]
Sent: Wednesday, November 12, 2014 1:15 PM
To: Alison Jakupca
Cc: [Kelly Miller](mailto:Kelly_Miller); BARGENTIERI@scana.com; [Bill Marshall \(marshallb@dnr.sc.gov\)](mailto:Bill_Marshall_(marshallb@dnr.sc.gov)); BRESNAHAN, AMY; btrump@scana.com; [Byron Hamstead \(Byron_hamstead@fws.gov\)](mailto:Byron_Hamstead_(Byron_hamstead@fws.gov)); [Charlene Coleman \(cheetahtk@yahoo.com\)](mailto:Charlene_Coleman_(cheetahtk@yahoo.com)); [Chuck Hightower \(hightocw@dhec.sc.gov\)](mailto:Chuck_Hightower_(hightocw@dhec.sc.gov)); [David Haddon \(dhaddon@scana.com\)](mailto:David_Haddon_(dhaddon@scana.com)); [Dick Christie \(christied@dnr.sc.gov\)](mailto:Dick_Christie_(christied@dnr.sc.gov)); [Erich Miarka \(erich.miarka@gillscreekwatershed.org\)](mailto:Erich_Miarka_(erich.miarka@gillscreekwatershed.org)); [Frank Henning@nps.gov](mailto:Frank_Henning@nps.gov); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](mailto:Gerrit_Jobsis_(gjobsis@americanrivers.org)); [Greg Mixon \(mixong@dnr.sc.gov\)](mailto:Greg_Mixon_(mixong@dnr.sc.gov)); [Henry Mealing; J. Hagood Hamilton Jr. \(jhamilton@scana.com\); Jaclyn Daly \(Jaclyn.Daly@noaa.gov\); Jay Maher; Jeff Carter \(jmcarter00@sc.rr.com\); Joe Wojcicki; John Fantry \(jfantry@bellsouth.net\); Jon Durham \(jondurham@bellsouth.net\); Malcolm Leaphart \(mwleapjr@att.net\); Mark Davis \(mdavis@scprt.com\); Merrill McGregor \(merrillm@scccl.org\); Pace Wilber \(Pace.Wilber@noaa.gov\); QUATTLEBAUM, MILTON; rammarell@scana.com; Randy Mahan \(randolph.mahan@scana.com\); randy_mahan](mailto:Henry_Mealing; J._Hagood_Hamilton_Jr._(jhamilton@scana.com); Jaclyn_Daly_(Jaclyn.Daly@noaa.gov); Jay_Maher; Jeff_Carter_(jmcarter00@sc.rr.com); Joe_Wojcicki; John_Fantry_(jfantry@bellsouth.net); Jon_Durham_(jondurham@bellsouth.net); Malcolm_Leaphart_(mwleapjr@att.net); Mark_Davis_(mdavis@scprt.com); Merrill_McGregor_(merrillm@scccl.org); Pace_Wilber_(Pace.Wilber@noaa.gov); QUATTLEBAUM, MILTON; rammarell@scana.com; Randy_Mahan_(randolph.mahan@scana.com); randy_mahan)

(rmahan@sc.rr.com); Robert Stroud (StroudR@dnr.sc.gov); Rusty Wenerick (weneriwr@dhec.sc.gov); Scott Collins (secollins@scana.com); Steve Summer; tboozers@scana.com; Wayne and Ginny Boland (wayneboland@bellsouth.net); William Hendrix (hendrixwb@dot.state.sc.us)
Subject: Re: Updated RUNS Study Plan

All,

I am concerned that the RUNS study plan does not include any of the downstream sites we had discussed. After looking through the notes from our LLM and Recreation RCG meeting last year, both Bill Marshall and I requested that the RUNS study attempt to quantify the number of users on the Broad River below the Parr Shoals Dam. I still think the Hwy 213 boat ramp and the Alston canoe/kayak put-in (at the Palmetto Trail) should be included as recreation study sites. Additionally, as Harbison State Forest requires all rivers users that use their facility to file a float plan they should have some valuable, and easy to acquire information.

--

Bill Stangler
Congaree Riverkeeper

On Mon, Nov 10, 2014 at 2:35 PM, Alison Jakupca
<Alison.Jakupca@kleinschmidtgroup.com> wrote:
Good Afternoon All,

A little less than a month ago, Kelly shot out an email to the group noting a proposed minor change to the RUN Study Plan (email included below). Kelly had asked for any comments on the proposed change by November 14th. I just wanted to remind everyone of this and note that we plan to go ahead and finalize the study plan after C.O.B., November 14th. If you have any comments on the change, please let us know before then. Thanks, Alison

Alison Jakupca
Regulatory Coordinator
Kleinschmidt Associates
Office: 803.462.5628
www.Kleinschmidtusa.com

From: Kelly Miller
Sent: Monday, October 13, 2014 8:29 PM
To: Alison Jakupca; BARGENTIERI@scana.com; Bill Marshall (marshallb@dnr.sc.gov); Bill Stangler (CRK@congareriverkeeper.org); BRESNAHAN, AMY; btrump@scana.com; Byron Hamstead (Byron_hamstead@fws.gov); Charlene Coleman (cheetahtrk@yahoo.com); Chuck Hightower (hightocw@dhec.sc.gov); David Haddon (dhaddon@scana.com); Dick Christie (christied@dnr.sc.gov); Erich Miarka (erich.miarka@gillscreekwatershed.org); Frank_Henning@nps.gov; Gerrit Jobsis (gjobsis@americanrivers.org); Greg Mixon (mixong@dnr.sc.gov); Henry Mealing; J. Hagood Hamilton Jr. (jhamilton@scana.com); Jaclyn Daly (Jaclyn.Daly@noaa.gov); Jay Maher; Jeff Carter (jmcarter00@sc.rr.com); Joe Wojcicki; John Fantry (jfantry@bellsouth.net); Jon Durham (jondurham@bellsouth.net); Kelly Miller; Malcolm Leaphart (mwleapjr@att.net); Mark Davis (mdavis@scprt.com); Merrill McGregor (merrillm@sccl.org); Pace Wilber (Pace.Wilber@noaa.gov); QUATTLEBAUM, MILTON; rammarell@scana.com; Randy Mahan (randolph.mahan@scana.com); randy mahan (rmahan@sc.rr.com); Robert Stroud (StroudR@dnr.sc.gov); Rusty Wenerick (weneriwr@dhec.sc.gov); Scott Collins (secollins@scana.com); Steve Summer; tboozers@scana.com;

Wayne and Ginny Boland (wayneboland@bellsouth.net); William Hendrix (hendrixwb@dot.state.sc.us)

Subject: Updated RUNS Study Plan

All,

As you are aware, the Recreation Use and Needs Study Plan describes the various study methodologies to be implemented at Project Area recreation sites. These methodologies include, but are not limited to, traffic counters and exit interviews administered by a survey clerk stationed at the recreation site.

As previously drafted, the study plan called for exit interviews and a traffic counter at the Highway 34 boat ramp. Due to safety reasons, it has been determined that a survey clerk should not be stationed at this site to perform exit interviews. However, a traffic counter will be installed at this site and spot counts will be collected when traffic counter data is downloaded.

An updated study plan, with track changes to reflect this modification, has been attached to this email. If you have any questions or concerns, please let us know by November 14th, at which time the updated study plan will be finalized.

Thanks!

Kelly

Kelly Miller
Regulatory Coordinator

Kleinschmidt

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NOAA CONSULTATION

From: BARGENTIERI@scana.com
To: [Henry Mealing](#)
Subject: FW: Parr Hydro Relicensing
Date: Friday, September 27, 2013 1:26:27 PM

From: ARGENTIERI, WILLIAM R
Sent: Tuesday, July 23, 2013 10:17 AM
To: Karla Reece
Cc: Alan Stuart (Alan.Stuart@KleinschmidtUSA.com)
Subject: RE: Parr Hydro Relicensing

Karla,

I hope you are doing fine.

I am just following up with you since I have not received a response or even an acknowledgement to my inquiry below. Please confirm that you received my request below and let me know if this is something you are working on.

Also, if you are interested, we are having an IFIM Technical Working Committee meeting next Wednesday, July 31 from 9:30 AM to 4:30 PM. If you are interested in participating in this meeting let me know and I will send you an Outlook meeting notice with the conference call access information.

Thank you for your assistance.

Bill

From: ARGENTIERI, WILLIAM R
Sent: Monday, July 08, 2013 10:00 AM
To: Karla Reece
Cc: Alan Stuart (Alan.Stuart@KleinschmidtUSA.com)
Subject: Parr Hydro Relicensing

Karla,

I hope you had a nice holiday.

I am just following up with you regarding the sturgeon discussions during our RT&E meeting on May 16. During that meeting you offered to find out if NMFS had any concerns with shortnose and Atlantic sturgeon associated with the Parr Hydroelectric Project. At the time you thought you might be able to have an answer by late June or early July. Have you been able to find out if the NMFS Protected Resource Branch will be an active participant moving forward in the relicensing process for Parr Hydro? If your group is going to participate, could you please provide us with what you believe will be the level of participation and what information (including potential data needs) you may be seeking? This information will be extremely crucial to us as we begin to prepare the Pre-Application Document in 2014.

If you are still gathering feedback from others in your agency and dont have the answers, that is fine, just let me know when you have something, as we will keep this as an open item.

Thank you for your assistance.

William R. Argentieri

South Carolina Electric & Gas Company

Mail Code A221

220 Operation Way

Cayce, SC 29033-3701

(Physical Address)

100 SCANA Pkwy

Building A, Floor 2

Cayce, SC 29033-3712

Phone - (803) 217-9162

Fax - (803) 933-7849

Cell - (803) 331-0179

From: BARGENTIERI@scana.com
To: [Henry Mealing](#)
Subject: FW: Parr Hydro Relicensing
Date: Friday, September 27, 2013 1:25:40 PM

From: ARGENTIERI, WILLIAM R
Sent: Monday, July 08, 2013 10:00 AM
To: Karla Reece
Cc: Alan Stuart (Alan.Stuart@KleinschmidtUSA.com)
Subject: Parr Hydro Relicensing

Karla,

I hope you had a nice holiday.

I am just following up with you regarding the sturgeon discussions during our RT&E meeting on May 16. During that meeting you offered to find out if NMFS had any concerns with shortnose and Atlantic sturgeon associated with the Parr Hydroelectric Project. At the time you thought you might be able to have an answer by late June or early July. Have you been able to find out if the NMFS Protected Resource Branch will be an active participant moving forward in the relicensing process for Parr Hydro? If your group is going to participate, could you please provide us with what you believe will be the level of participation and what information (including potential data needs) you may be seeking? This information will be extremely crucial to us as we begin to prepare the Pre-Application Document in 2014.

If you are still gathering feedback from others in your agency and don't have the answers, that is fine, just let me know when you have something, as we will keep this as an open item.

Thank you for your assistance.

William R. Argentieri

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220 Operation Way
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100 SCANA Pkwy
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Fax - (803) 933-7849
Cell - (803) 331-0179

From: [Henry Mealing](#)
To: BARGENTIERI@scana.com; "Steve Summer"; "QUATTLEBAUM, MILTON"; [Alison Jakupca](#); [Kelly Miller](#); [Shane Boring](#); "Randy Mahan (randolph.mahan@scana.com)"; "AMMARELL, RAYMOND R"
Cc: "Karla Reece - NOAA Federal"
Subject: FW: SCE&G Parr Fairfield Discussions
Date: Tuesday, March 11, 2014 2:31:00 PM
Attachments: [image001.png](#)

Hello Folks – I spoke with Karla Reece – NOAA – last week and wanted to share the highlights of our conversation. Karla has reviewed these and asked that I make it clear that she speaks for NOAA on ESA Section 7 issues NOT on Essential Fish Habitat issues.

There are several items that we should include in the Parr Fairfield PAD that will help NOAA understand the relationship of the Project to sturgeon populations in the Broad, Congaree, and Santee-Cooper Rivers. Also, we should have a discussion with Bill Post and Ron Ahle regarding their work with sturgeon in the project area and include that in the PAD.

Henry

Henry Mealing
Kleinschmidt Associates
Fisheries Biologist / Team Leader
Cell: 706-339-3209

From: Henry Mealing
Sent: Monday, March 10, 2014 8:53 PM
To: 'Karla.Reece@noaa.gov'
Subject: SCE&G Parr Fairfield Discussions

Karla,

Thank you for taking the time to talk with me about the Parr Fairfield Relicense effort that South Carolina Electric & Gas Company is currently undertaking. I have attempted to capture the items we talked about in this note – just to make sure that we are all on the same page. Ultimately, I will share these with SCE&G and with our team so that we can address the items included. As you requested I have included that your comments are related back to NOAA interests for ESA Section 7 consultation on threatened and/or endangered species – Not on Essential Fish Habitat issues.

- NOAA concerns at this point are primarily associated with the potential project impacts on Atlantic sturgeon (AS) and shortnose sturgeon (SNS) in the project area and downstream of the project. Karla suggested that SCE&G review and consolidate all of the current information available on distribution of AS and SNS in the Broad River downstream of the Project. Karla and Henry discussed that this information would be presented in the Preliminary Application Document (PAD) and distributed to the agencies and public. Karla suggested that we ask Bill Post and Ron Ahle (South Carolina Dept. of Natural Resources) for any available information.
- NOAA is aware that SNS are present in the Congaree (spawning site) downstream of the

Columbia Hydro Project and in the reservoir of the Santee Cooper Moultrie and Marion Projects. AS and SNS are both located downstream of the Santee Cooper Project in the Santee and Cooper Rivers. Karla is interested in how the Parr Fairfield operations impact each of those populations or if there is no impact from the Parr Fairfield Project. If there are impacts, then we will need to begin informal and formal consultation for the species impacted.

- Henry explained that SCE&G is seeking to use the Traditional Relicensing Process (TLP) and will be filing the Notice of Intent – the PAD – and a request for using the TLP in January 2015. Henry also asked Karla if they would support the use of the TLP. Karla stated that NOAA isn't opposed to using the TLP.
- Karla and NOAA look forward to working with SCE&G on the relicense of the Parr Fairfield Project. Henry told her about the updates that have been posted on the Relicense Website. SCE&G will continually update this site during relicensing as a resource for the agencies and public. The website address is: <http://parrfairfieldrelicense.com/>

Take a look at these bullets and see if you think it represents our discussion accurately. If not, please send back any additions or deletions. Thanks for your help, and I look forward to meeting you at one of the relicensing meetings.

Henry

Henry Mealing
Fisheries Biologist / Team Leader



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Parr Hydroelectric Project Relicensing

Phone Notes April 24, 2014

Discussion of Potential Project Impacts on Shortnose and Atlantic Sturgeon

Attendees: Shane Boring (Kleinschmidt), Henry Mealing (Kleinschmidt), Chad Holbrook (SCDNR), Bill Post (SCDNR)

Notes:

Shane opened the discussion noting that the meeting purpose would be to review the known upstream extent of shortnose and Atlantic sturgeon in the Santee basin downstream of the Parr Hydro Project. Henry further clarified that he had been consulting with Karla Reece at NOAA Fisheries regarding Section 7 issues related to shortnose and Atlantic sturgeon, and that Karla had essentially deferred to SCDNR diadromous staff regarding whether or not these species occur in the project vicinity and could potentially be affected by continued operations.

Bill Post noted that, currently, shortnose are known to occur upstream in the Congaree River to approximately the City of Columbia, as documented in Finney (2006¹), Leech and Cook (2004²), Collins et al. (2003³), and several Santee Diadromous Fish Accord Studies and SCNDR reports. He noted that Finney tracked a single fish to approximately the Blossom St. Bridge, but that was based on a single occurrence and that generally most of documented occurrences have been below the old Granby Lock and Dam. He noted that Collins et al. (2003) documented a spawning aggregation just downstream of the I-77 Bridge. In summary it was noted that no fish have been documented in recent history entering the Broad River or the Columbia Fishway.

¹ Finney, S.T., J.J. Isely and, D.W. Cooke. 2006. Upstream migration of two pre-spawning shortnose sturgeon passed upstream of Pinopolis Dam, Cooper River, South Carolina. *Southeastern Naturalist* 5:369-375.

² Cooke, D.W. and S.D. Leach. 2004. Movement of Shortnose Sturgeon in the Santee Cooper Lake System. Submitted to Santee Cooper, Moncks Corner, SC.

³ Collins, M.R., D. Cooke, B. Post, J. Crane, J. Bulak, T. Smith, T.W. Greig and J.M. Quattro. 2003. Shortnose Sturgeon in the Santee – Cooper Reservoir System, South Carolina. *Transactions of the American Fisheries Society* 132:1244-1250.

In regards to Atlantic sturgeon, Bill noted sporadic occurrences in the Santee-Cooper Lakes, including a few Atlantics on the upstream side of the dam during a fish kill that occurred in the 1980-1990 range, as well as a single Atlantic in the fish lift at St. Stephens in 2007. Bill noted they have done lots of netting in the vicinity of the Congaree/Wateree confluence and would have expected to capture juvenile or sub-adult Atlantics if they are there. None have been captured. SCDNR staff noted that the upstream extent of Atlantics is currently thought to be limited by passage at the Santee-Cooper dams. Atlantics have not been documented in the Congaree River or in upstream reaches in recent history, with the exception of a single fish in the Columbia Canal around 1936.

Henry then inquired as to whether SCDNR diadromous staff had concerns regarding any potential impacts of Parr Hydroelectric project operations on shortnose or Atlantic sturgeon. Bill noted that their primary concern would likely be related to downstream flows. For example, if peaking would have any effect on water levels in the Upper Congaree during the spring spawning season. Shane noted that the Parr Project doesn't have significant storage capacity to likely cause such an effect and that any peaking effects are likely dampened by reregulation of the flow by the Columbia Hydro Project. Henry added that flows are typically higher in spring anyway, making it unlikely that any such peaking flows would be significant downstream of the Columbia Hydro Project. Acknowledging that flow impacts to the Upper Congaree are unlikely, Kleinschmidt staff noted that level-loggers are being deployed throughout the reach of the Broad below the project and that an operations model is being developed to determine the extent of the downstream peaking "wave." It was determined that, if operations modeling efforts suggest that water level/flow effects extend downstream of the Columbia Hydro Project, then there may be a need to reinstate consultation regarding potential sturgeon impacts; otherwise, there are no concerns. Bill and Chad were agreeable to this approach.

Bill Post provided the following clarifications during review of an earlier draft of these notes:

- The Atlantic sturgeon found in the St Stephens fish lift in 2007 was found upstream of the St Stephens Dam and most likely did not pass through the fish lift.
- It should be noted that SCDNR is currently studying the movements of shortnose and Atlantic sturgeon in cooperation with NOAA Fisheries - NMFS. Information obtained from this study will help resource agencies develop reasonable restoration and management goals and objectives. However, since both sturgeon species are endangered, NOAA Fisheries - NMFS has the sole regulatory authority to manage the species as warranted under Section 7.

From: [Pace Wilber - NOAA Federal](#)
To: [Gerrit Jobsis](#)
Cc: [Kelly Miller](#); [Alison Jakupca](#); [BARGENTIERI@scana.com](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congareriverkeeper.org\)](#); [Bret Hoffman](#); [Bruce Halverson](#); [Byron Hamstead \(Byron_hamstead@fws.gov\)](#); [Dick Christie \(christied@dnr.sc.gov\)](#); [Frank Henning@nps.gov](#); [Henry Mealing](#); [J. Hagood Hamilton Jr. \(jhamilton@scana.com\)](#); [Jay Maher](#); [Joe Wojcicki](#); [Malcolm Leaphart \(mwleapjr@att.net\)](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Scott Harder](#); [Steve Summer](#); [Terri Hogan \(terri_hogan@nps.gov\)](#); [Tom McCoy \(thomas_mccoy@fws.gov\)](#); [Vivianne Vejdani](#); [Wayne and Ginny Boland \(wayneboland@bellsouth.net\)](#)
Subject: Re: Inflow Dataset Development: Statistical Methodology
Date: Wednesday, May 28, 2014 9:45:12 PM

Hi Kelly. I agree with the comments from FWS and American Rivers that short-term variation important for assessing project effects on fishes and riverine habitat may be masked by using monthly average flows as model inputs. I also agree there are much better ways to judge the similarity of flows between subwatersheds than "eyeballing" the histograms in figures 2 and 3. A correlation matrix may be a more rigorous way to make the comparisons. Pace

On Wed, May 28, 2014 at 4:53 PM, Gerrit Jobsis <gjobsis@americanrivers.org> wrote:

Kelly,

Please find attached American Rivers comments on the inflow data plan. It is intended to support the Final Parr Fairfield Operations Model Study Plan. That study plan says "The goal of this task is to create the best available historic inflow series, which will form the input to the operations models, energy models, and habit and recreational studies." As my comments in the document state, I do not agree that this inflow data set will be usable to evaluate the effects of project operations on habitat and recreation. Project operations via inflow alterations and reservoir fluctuations affect habitat and recreation values on a real time basis (hourly or less) that cannot be estimated using monthly average inflow estimates. Smoothing the data with regression equations removes the hourly and sub-hourly variation that is essential to understanding project effects.

I received USFWS comments which also raise some important questions. It would be useful to convene a call among those interested to answer some of the questions raised in our respective comments.

Gerrit

Gerrit Jobsis, American Rivers

Senior Director, Southeast Conservation Programs

215 Pickens Street

Columbia, SC 29205

(O) [803.771.7114](tel:803.771.7114) (M) [803.546.7926](tel:803.546.7926)

Keep up on the latest river news and info: www.americanrivers.org/updates

Please consider the environment before printing this e-mail.

From: Kelly Miller [mailto:Kelly.Miller@KleinschmidtGroup.com]

Sent: Tuesday, May 13, 2014 3:19 PM

To: Alison Jakupca; BARGENTIERI@scana.com; Bill Marshall (marshallb@dnr.sc.gov); Bill Stangler (CRK@congareriverkeeper.org); Bret Hoffman; Bruce Halverson; Byron Hamstead (Byron_hamstead@fws.gov); Dick Christie (christied@dnr.sc.gov); Frank_Henning@nps.gov; Gerrit Jobsis; Henry Mealing; J. Hagood Hamilton Jr. (jhamilton@scana.com); Jay Maher; Joe Wojcicki; Kelly Miller; Malcolm Leaphart (mwleapjr@att.net); Pace Wilber (Pace.Wilber@noaa.gov); rammarell@scana.com; Randy Mahan (randolph.mahan@scana.com); randy mahan (rmahan@sc.rr.com); Scott Harder; Steve Summer; Terri Hogan (terri_hogan@nps.gov); Tom McCoy (thomas_mccoy@fws.gov); 'Vivianne Vejdani'; Wayne and Ginny Boland (wayneboland@bellsouth.net)

Subject: Inflow Dataset Development: Statistical Methodology

All,

Please find attached for your review and comment the statistical methodology for the development of the Parr inflow dataset. We will finalize the dataset after receiving comments, and provide sufficient detail in the model development report such that the dataset can be replicated.

Please submit any comments or questions by Tuesday, May 27th.

Thanks,

Kelly

Kelly Miller

Regulatory Coordinator

Kleinschmidt

Office: [803.462.5633](tel:803.462.5633)

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--

Pace Wilber, Ph.D.
HCD Atlantic Branch Supervisor
NOAA Fisheries Service
219 Ft Johnson Road
Charleston, SC 29412

Voice: 843-762-8601

FAX: 843-953-7205

Pace.Wilber@noaa.gov

SCDHEC CONSULTATION

From: [Wenerick, William "Rusty"](#)
To: [Kelly Miller](#)
Subject: DHEC comments on draft WQ report
Date: Thursday, October 17, 2013 8:32:07 AM

Kelly,

Below are comments on the draft WQ report. After the comments we provided links to help you find information. We would be glad to meet with you to discuss anything or help you in any way we can.

Sincerely,
Rusty Wenerick

Should include any available WQ data from upstream (B-046) and downstream of the project

Should include nutrients and metals data when available

Reference DHEC standards and 2012 303(d) list

When possible highlight excursions and discuss - contact DHEC Surface Water Monitoring Program for help interpreting standards

Figures leave out several DHEC stations - please use interactive mapper to find all DHEC stations in project area - see link below

Several stations reported as no longer being sampled are still active - see monitoring strategy - see link below

By the way, RL11031=RL04370, data is pooled for 303(d) list

language about budget constraints, not fully supported, and no longer monitored is incorrect - see monitoring strategy - you may have mixed up 303(d) language with whether a site is active or not?

discuss compliance with 401 conditions

B-047, B-327 & B-345 - what about TP and Chlorophyll-a?

Tables 3-1 & 3-3 have some incorrect units - data in storet has been corrected

should redo download of all data from storet to get updated and new data (additional years and months), and additional stations

Discuss compliance with NPDES permit as temperature data indicates more than 5 degrees difference at times between intake and discharge

uplake called intake?

Nitrogen - Total Nitrogen? How calculated?

"Presence of metals in reservoirs a mainstay" - be specific and discuss/explain - reference DHEC standards

Copper excursions at B-236 occurred on 2/4/04 and 8/2/04 - what was going on then that may explain?

DHEC Surface Water Monitoring Program web page

<http://www.scdhec.gov/environment/water/surface.htm>

Under the heading

"Accessing DHEC Water Quality Data From USEPA STORET"

you will find the following links to instructions for downloading current data

http://www.scdhec.gov/environment/water/docs/fw_STORETdownloadInstructions.pdf

http://www.scdhec.gov/environment/water/docs/fw_dataElementsReport.pdf

Interactive Mapper that shows monitoring sites

http://www.scdhec.gov/environment/water/SFW_MON_Map.htm

for finding all sites near the project - get site numbers here, then search for them in 303(d) list, then download data and report

try a different browser if it does not work

State of SC Monitoring Strategy for 2013

<http://www.scdhec.gov/environment/water/docs/strategy.pdf>

lists active and inactive sites

Link for downloading spreadsheet for EPA-approved DHEC 2012 303(d) list

http://www.scdhec.gov/environment/water/tmdl/docs/tmdl_12-303d.xls

the above link came from this page

<http://www.scdhec.gov/environment/water/tmdl/>

--

William "Rusty" Wenerick

DHEC Bureau of Water

2600 Bull Street

Columbia, SC 29201-1708

Room 4464

Phone: (803) 898-4266

Fax: (803) 898-7344

Rusty.Wenerick@dhec.sc.gov

<https://www.scdhec.gov/environment/water/401.htm>

<https://www.scdhec.gov/environment/water/navwater.htm>

<http://link.springer.com/article/10.1007/s00267-013-0158-x>

From: [Wenerick, William "Rusty"](#)
To: [Kelly Miller](#)
Subject: PAD comments from DHEC
Date: Tuesday, September 02, 2014 7:47:36 AM
Attachments: [DHECcomments001-DRAFT Parr PAD_072814.docx](#)

attached in track changes

William R. "Rusty" Wenerick, Project Manager

DHEC Bureau of Water

2600 Bull Street, Columbia, SC 29201

Phone: (803) 898-4266

Fax: (803) 898-7344

Email: Rusty.Wenerick@dhec.sc.gov

401/WQC

Website: <http://www.scdhec.gov/environment/WaterQuality/401Certification/Overview/>

Nav Waters Website: <http://www.scdhec.gov/environment/WaterQuality/NavigableWaters/>

Research: <http://link.springer.com/article/10.1007/s00267-013-0158-x>

From: [Kelly Miller](#)
To: [Wenerick, William "Rusty"](#)
Cc: [ARGENTIERI, WILLIAM R](#); [Henry Mealing](#)
Subject: RE: DHEC comments on draft WQ report
Date: Monday, October 21, 2013 8:59:00 AM

Rusty,

Thank you for your comments on the Parr/Fairfield Baseline Water Quality Report. We have included our responses to your requests and comments below. We are not clear on all of the requests and would therefore like to schedule a meeting with SCDHEC, SCE&G, and Kleinschmidt on November 1st or November 8th to discuss these further. Please let us know your availability on these days. We would also like to clarify any additional study requests that SCDHEC will be making as part of the water quality 401 certification process. We are developing our study plans for 2015 and need to identify these by January 2014 for inclusion in the Preliminary Application Document that will be filed with the FERC at the kick-off for relicensing.

Thank you for your participation and cooperation.

Kelly

Kelly Miller
Regulatory Coordinator

The logo for Kleinschmidt, featuring the word "Kleinschmidt" in a bold, sans-serif font with a green underline.

Office: 803.462.5633

www.KleinschmidtUSA.com

From: Wenerick, William "Rusty" [mailto:weneriwr@dhec.sc.gov]
Sent: Thursday, October 17, 2013 8:32 AM
To: Kelly Miller
Subject: DHEC comments on draft WQ report

Kelly,

Below are comments on the draft WQ report. After the comments we provided links to help you find information. We would be glad to meet with you to discuss anything or help you in any way we can.

Sincerely,
Rusty Wenerick

Should include any available WQ data from upstream (B-046) and downstream of the project

The B-046 site is located upstream near the USGS Carlisle gage. This Carlisle data, including temperature, DO, conductivity and pH, has already been incorporated into the updated? water quality report and it should provide sufficient information to characterize the river upstream of the

project. Water quality data from the USGS gage downstream of the Parr Shoals dam is also included in the report.

Should include nutrients and metals data when available

Metals and nutrients data is already included in the report. Additional metals data was added after the last WQ TWC meeting.

Reference DHEC standards and 2012 303(d) list

I originally included USEPA standards, but will go back and include DHEC standards instead. I will also include excursions within the project reported in the 2012 303(d) list.

When possible highlight excursions and discuss - contact DHEC Surface Water Monitoring Program for help interpreting standards

Excursions reported in the 303(d) list will be included in the report.

Figures leave out several DHEC stations - please use interactive mapper to find all DHEC stations in project area - see link below

The fixed monitoring sites that are in the Project Boundary were included in the report. These sites were chosen because they are able to track changes or trends over time. The other DHEC stations are random sites, which are only monitored for a period of one year, so these sites were not included in the report since we couldn't track trends or changes in water quality parameters.

Several stations reported as no longer being sampled are still active - see monitoring strategy - see link below

According to the Monitoring Strategy, sites B-047, B-327 and B-345 are listed as being active. The WQ report incorrectly lists site B-047 as being inactive. This will be corrected, however data for this site was only available through 2004. Site B-328 is inactive and is described as such in the report. However, wording will be changed to reflect the wording used in the DHEC monitoring strategy. As mentioned above, the random monitoring sites listed as active in the 2013 DHEC monitoring strategy will not be included in the report.

By the way, RL11031=RL04370, data is pooled for 303(d) list

Excursions from this site will be covered in the review of the 303(d) list.

language about budget constraints, not fully supported, and no longer monitored is incorrect - see monitoring strategy - you may have mixed up 303(d) language with whether a site is active or not?

This will be adjusted per the wording in the 2013 DHEC monitoring strategy or other wording provided by your department.

discuss compliance with 401 conditions

The current 401 WQC for the Parr Fairfield Hydro Project will be included as an appendix in the revised water quality report.

B-047, B-327 & B-345 - what about TP and Chlorophyll-a?

This information will be added to the revised report.

Tables 3-1 & 3-3 have some incorrect units - data in storet has been corrected

The revised report will be updated according to the corrections made in STORET.

should redo download of all data from storet to get updated and new data (additional years and months), and additional stations

We are not clear on your request. Are you saying all of the data in STORET was incorrect and was updated recently? Which additional years and months are you interested in? Which additional stations are you interested in? The data (stations and parameters) provided in the original summary report was agreed upon in one of our initial WQ TWC meetings. In order for us to get a better understanding of what you want included in the revised report, we would like to schedule a meeting to discuss this request with DHEC.

Discuss compliance with NPDES permit as temperature data indicates more than 5 degrees difference at times between intake and discharge

This was discussed at the last WQ TWC meeting held in September 2013. This request has already been incorporated into the revised report and the NPDES permit will be included as an appendix to the final revised water quality report.

uplake called intake?

There are three SCANA monitoring sites located on Lake Monticello, called "intake", "uplake", and "discharge". These are three separate sites which are depicted in a figure in the original report and their locations are described within the report text.

Nitrogen - Total Nitrogen? How calculated?

This information was collected by DHEC and their process will be added (how calculated) and clarified (total nitrogen) in the revised report.

"Presence of metals in reservoirs a mainstay" - be specific and discuss/explain - reference DHEC standards

We would like to discuss this in our face-to-face meeting with you.

Copper excursions at B-236 occurred on 2/4/04 and 8/2/04 - what was going on then that may explain?

We are not sure that we can identify this excursion 10 years ago, but would like to discuss this item with you in our meeting.

DHEC Surface Water Monitoring Program web page

<http://www.scdhec.gov/environment/water/surface.htm>

Under the heading

"Accessing DHEC Water Quality Data From USEPA STORET"

you will find the following links to instructions for downloading current data

http://www.scdhec.gov/environment/water/docs/fw_STORETdownloadInstructions.pdf

http://www.scdhec.gov/environment/water/docs/fw_dataElementsReport.pdf

Interactive Mapper that shows monitoring sites

http://www.scdhec.gov/environment/water/SFW_MON_Map.htm

for finding all sites near the project - get site numbers here, then search for them in 303(d) list, then download data and report
try a different browser if it does not work

State of SC Monitoring Strategy for 2013

<http://www.scdhec.gov/environment/water/docs/strategy.pdf>

lists active and inactive sites

Link for downloading spreadsheet for EPA-approved DHEC 2012 303(d) list

http://www.scdhec.gov/environment/water/tmdl/docs/tmdl_12-303d.xls

the above link came from this page

<http://www.scdhec.gov/environment/water/tmdl/>

--

William "Rusty" Wenerick

DHEC Bureau of Water

2600 Bull Street

Columbia, SC 29201-1708

Room 4464

Phone: (803) 898-4266

Fax: (803) 898-7344

Rusty.Wenerick@dhec.sc.gov

<https://www.scdhec.gov/environment/water/401.htm>

<https://www.scdhec.gov/environment/water/navwater.htm>

<http://link.springer.com/article/10.1007/s00267-013-0158-x>

From: [Eargle, David A.](#)
To: [Kelly Miller](#)
Cc: [Glover, James](#)
Subject: Re: draft Monticello Mussel Study Plan for review
Date: Friday, October 04, 2013 12:54:57 PM

Kelly,

I read over the study plan. Unless I'm missing something, this sounds like just what we need. We can talk more about it at the next meeting.
Thanks!

David

On Fri, Oct 4, 2013 at 11:55 AM, Kelly Miller <Kelly.Miller@kleinschmidtusa.com> wrote:

All,

Attached is the draft Monticello Mussel Study Plan. Please review this document and have any comments or edits back to me by Friday, October 18th. We will discuss this study plan at the upcoming RT&E TWC meeting, scheduled for Tuesday, October 22nd.

Thanks,

Kelly

Kelly Miller

Regulatory Coordinator

[Kleinschmidt](#)

Office: 803.462.5633

www.KleinschmidtUSA.com

--

David A. Eargle

Aquatic Biologist
South Carolina Department of Health and Environmental Control
(803) 898-4145

SCDNR CONSULTATION

From: [Bill Marshall](#)
To: [Kelly Miller](#); [Henry Mealing](#)
Cc: "[Dick Christie](#)"
Subject: Broad River Recreational flows committee
Date: Thursday, October 24, 2013 3:03:42 PM

Kelly and Henry,

Dick Christie polled DNR staff for suggested anglers who may be suited to the proposed Focus Group to address downstream flows for recreation on the Broad River below Parr. Our collective response of suggestions include four individuals who are listed (names underlined at bullets) below for your consideration.

We hope this is helpful.

Bill Marshall
SCDNR

Our suggestions:

- Trout Unlimited, particularly Malcolm Leaphart would be an appropriate and knowledgeable choice because he and other members regularly fish for smallmouth bass on the Broad River. I think you already have contact info for Malcolm.
- Stuart Greeter, retired DNR staff, former Congaree Riverkeeper, part time employee at Congaree National Park as guide. Not sure with what group he should be affiliated but Stuart is the most avid recreational user (angler and boater) of the Broad River that I (Bill) know and he would be a knowledgeable contributor to the Focus Group. Contact Stuart at sgreeter77@earthlink.net or 803-331-7064. Mailing address is 404 Clark St., Cayce, SC 29033.

Other DNR staff suggestions:

From Hal Beard --

The only "guide" I'm aware of on the lower section of the Broad is the contact below:

- Lt. Dave Williams (employed with Greenville County Sheriff's Office)
Cell 864-630-1583
Home 864-295-0292
Office Cell 864-303-9431

Business Email is Dave@allroverssouth.com and website www.AllRiversSouth.com.

From Jason Bettinger --

- Mike McSwain is an active guide on the lower Broad River. He'd probably be interested in participating. His email is mcswain@comcast.net

From: [Bill Marshall](#)
To: [Kelly Miller](#)
Cc: [Scott Harder](#)
Subject: Comments on Draft Hydraulic & Project Operations Model, Parr Hydro Project
Date: Wednesday, January 15, 2014 3:04:37 PM

Hi Kelly,

DNR hydrology staff have reviewed the draft operations model study plan and we are providing comments and questions for consideration as the RCG continues developing the plan and prepares for meeting on Jan 30. DNR comments and questions are as follows:

1. In a prior Parr-FF operations committee meeting, there was a discussion about determining the effects of the Parr Hydro on the Congaree National Park. However, from the draft report, models will only be used to assess operations to approximately 20 miles downstream. Is the study component to address Congaree NP still on the table?
2. Refer to the discussion of metrics in section 2.4. Though we generally support the use of metrics to facilitate the reviews of various scenarios, metrics should be modified or added as needed during the scenario review process. As we have seen in other modeling efforts, defining initial metrics (or more appropriately when a given metric value denotes a significant change or impact) without reviewing the baseline and a few scenario outputs can be problematic. If metrics aren't defined carefully, then discerning the differences between two scenarios can be difficult.
3. We are was pleased to see the Enoree Gages will be used to evaluate regional relationships between runoff and drainage area, as we would recommend use of these gages to help develop an inflow data set. Appropriate error analysis should accompany the determination of the regional alpha and gamma coefficients presented in section 4.1.
4. In section 4.1.2, it is unclear whether or not the back calculation of the inflow hydrograph will be done or not.
5. There is no mention of incorporating water use projections in the modeling process. We would recommend water use projections be included. It may be possible to build on previous projections done for the basin by Duke Energy (and any projections done by North Carolina, if available).
Note: If Duke's projections were used they would need to be carefully reviewed and likely modified because -- (1) the projections are somewhat dated (2006), (2) experience with projections by Duke energy in the Catawba basin within the past 10 years indicate they tend to overestimate water use projections, and (3) changes in energy sources (and perhaps demand) over the past several years in the energy industry could have a large impact on future water needs for energy in the basin that may not be accounted for the in the Duke projections.
6. We request the SCDNR (and other stakeholders) be provided with the baseline HEC Res Sim operations model and the HEC-RAS hydraulic model and have the ability to independently run the models and review outputs. Any proposed scenarios should be carefully documented so that SCDNR

staff can independently make appropriate edits to the model (or alternatively, the consultants can provide updated models with loaded scenarios on a periodic basis). In addition, we would request a one day seminar or training session be scheduled for stakeholders to introduce the baseline models and provide limited training on use and running of the models.

7. Though we understand the challenges of producing an operations model that can mimic all historic operations, we would request the consultants to elaborate on any criteria used to determine whether the model is functioning adequately enough. For example, in section 4.3.1 at the end of the first paragraph, what is meant by the average expected system response?

Thank you for consideration of our comments and questions.

Bill Marshall
SCDNR

From: Kelly Miller [mailto:Kelly.Miller@KleinschmidtUSA.com]
Sent: Monday, December 16, 2013 8:56 AM
To: Alison Jakupca; BARGENTIERI@scana.com; Bill Marshall; Bill Stangler (CRK@congareriverkeeper.org); Bret Hoffman; Byron Hamstead (Byron_hamstead@fws.gov); Dick Christie (dchristie@comporium.net); Frank_Henning@nps.gov; Gerrit Jobsis (gjobsis@americanrivers.org); Henry Mealing; J. Hagood Hamilton Jr. (jhamilton@scana.com); Jay Maher; Joe Wojcicki; Kelly Miller; Malcolm Leaphart (mwleapjr@att.net); Pace Wilber (Pace.Wilber@noaa.gov); rammarell@scana.com; Randy Mahan (randolph.mahan@scana.com); Scott Harder; Steve Summer; Terri Hogan (terri_hogan@nps.gov); Tom McCoy (thomas_mccoy@fws.gov); Vivianne Vejdani; Wayne and Ginny Boland (wayneboland@bellsouth.net)
Subject: draft Project Operations Model Study Plan

All,

Attached for your review is the draft Project Operations Model Study Plan for the Parr/Fairfield Project. Please have any comments or edits back to me by Wednesday, January 15th. We will discuss this study plan at the upcoming Operations RCG meeting, scheduled for Thursday, January 30th.

Thanks,
Kelly

Kelly Miller
Regulatory Coordinator

Office: 803.462.5633
www.KleinschmidtUSA.com

From: [Kelly Miller](#)
To: [Alan Stuart](#); [Alison Jakupca](#); BARGENTIERI@scana.com; [Byron Hamstead \(Byron_hamstead@fws.gov\)](mailto:Byron_Hamstead@fws.gov); [Chad Altman \(altmankc@dhsc.sc.gov\)](mailto:Chad_Altman@dhsc.sc.gov); [Dick Christie \(dchristie@comporium.net\)](mailto:Dick_Christie@comporium.net); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](mailto:Fritz_Rohde@noaa.gov); [Gerrit Jobis \(gjobis@americanrivers.org\)](mailto:Gerrit_Jobis@americanrivers.org); [Hal Beard \(BeardH@dnr.sc.gov\)](mailto:Hal_Beard@dnr.sc.gov); [Jim Glover \(gloverjb@dhsc.sc.gov\)](mailto:Jim_Glover@gloverjb@dhsc.sc.gov); [Kelly Miller](#); [QUATTLEBAUM, MILTON](#); rammarell@scana.com; [Randy Mahan \(randolph.mahan@scana.com\)](mailto:Randy_Mahan@scana.com); [Robert Stroud \(StroudR@dnr.sc.gov\)](mailto:Robert_Stroud@dnr.sc.gov); [Ron Ahle](#); [Sam Stokes \(stokess@dnr.sc.gov\)](#); [Shane Boring](#); [Steve Summer](#); [Tom McCoy \(thomas_mccoy@fws.gov\)](mailto:Tom_McCoy@fws.gov); "Vivianne Vejdani"
Subject: FW: Draft Parr/Fairfield Baseline Fisheries Report
Date: Friday, August 23, 2013 11:36:06 AM
Attachments: [002-Parr FF Baseline Fisheries Report w track changes.docx](#)

All,

Please see Ron Ahle's comments and edits on the Fisheries Report, as discussed at yesterday's Fisheries TWC meeting.

Thanks,
Kelly

Kelly Miller
Regulatory Coordinator

The logo for Kleinschmidt, featuring the word "Kleinschmidt" in a stylized, bold, blue font with a green underline.

Office: 803.462.5633

www.KleinschmidtUSA.com

From: Ron Ahle [<mailto:AhleR@dnr.sc.gov>]
Sent: Wednesday, August 14, 2013 4:54 PM
To: Kelly Miller
Cc: Hal Beard; Dick Christie; Bill Marshall; Vivianne Vejdani
Subject: RE: Draft Parr/Fairfield Baseline Fisheries Report

Hi Kelly,

As I mentioned previously, I will not be able to attend the TWC meeting on Aug 22nd. So, I'm sending in some comments (that do not necessarily represent the position of the DNR) that can be used for discussion purposes. Attached is the draft w/ track changes that I am purposing. In addition to these recommendations, I have the following discussion bullets:

- 1) A review of the fishery resources for the sub-impoundment should be included in the Lake Monticello portion of the document.
- 2) A description of the fishery resources of the Broad River should be mentioned. In particular, a short summary of the unique smallmouth bass fishery that is hatchery supported by SCDNR should be discussed. After all, the smallmouth bass is a target species for the IFIM study.
- 3) Only a brief mention of the Columbia Fishway was given in the text. This is an important factor influencing the fish community of the Lower Broad River. A short paragraph is needed describing the fishway and possibly a summary of the fish data collected to date.

- 4) On the same note, no mention was made about the diadromous fish accord, collective American eel efforts, or the Robust Redhorse cooperative. The Lower Broad River is an integral part of these efforts to restore these various fish populations. Therefore, some mention of these various programs needs to be in the report.
- 5) It would also be nice to have a sentence in the report that establishes the nexus between the diverse fish community and the abundance and diversity of fresh water mussels in the Lower Broad River.
- 6) And finally, when looking at and commenting to the fish community changes in the reservoirs from the 80's to the present, a lot of weight was placed on the white perch. The factor that may have enabled the white perch to flourish while centrachid and clupeid populations suffered was the long term effects of the pumpback operation. A pumpback operation can affect a fish community in a number of different ways including entrainment, disruption of shoreline habitat due to frequent pool elevation fluctuations, and re-suspension of sediments thereby increasing turbidity. Clupieds, being an open water species, are susceptible to entrainment and centrachids are sensitive to shoreline disturbances that disrupt spawning and nursery habitat such as frequent pool elevation fluctuations. The white perch, though know to compete with other similar sized fish species, will flourish in the absence of competition from a healthy centrachid population, plus they are fairly tolerant of turbid waters.

I hope these comments are useful for the group. One last thing that I wanted to mention is that part of the data on the Broad River Study that I sent was not used in the document probably because it is pretty far downstream. I'm not recommending that you add that information to the report, but just wanted to let you know that I will be talking about that other information in future meetings. I am also willing to give a presentation on my Broad River Study if the group is interested.

Thanks for the opportunity to comment on the draft. Also, a note of appreciation for the good work in putting together the first draft.

Sincerely,

Ron Ahle
Freshwater Fisheries Biologist
South Carolina Department of Natural Resources
2728 Fish Hatchery Road
West Columbia, SC 29172
Phone# 803-755-9345

From: Kelly Miller [<mailto:Kelly.Miller@KleinschmidtUSA.com>]

Sent: Thursday, July 25, 2013 10:55 AM

To: Alan Stuart; BARGENTIERI@scana.com; Chad Altman (altmank@dhec.sc.gov); Dick Christie (dchristie@comporium.net); Fritz Rohde (Fritz.Rohde@noaa.gov); Gerrit Jobsis (gjobsis@americanrivers.org); Hal Beard; Jim Glover (gloverjb@dhec.sc.gov); Kelly Miller; QUATTLEBAUM, MILTON; rammarell@scana.com; Robert Stroud; Ron Ahle; Sam Stokes Jr.; Shane Boring; Steve Summer; Tom McCoy (thomas_mccoy@fws.gov); Vivianne Vejdani

Subject: Draft Parr/Fairfield Baseline Fisheries Report

Good morning all!

Attached is the draft Baseline Fisheries Report for the Parr/Fairfield Relicensing Project. Please review and have any edits or comments ready for discussion at our upcoming Fisheries TWC meeting, scheduled for Thursday, August 22nd.

Thanks!

Kelly

Kelly Miller

Regulatory Coordinator

Kleinschmidt

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From: [Bret Hoffman](#)
To: [Scott Harder](#)
Cc: BARGENTIERI@scana.com; [Henry Mealing](#); [Kelly Miller](#)
Subject: Harder_Comments-Parr-Inflow-Methodology_06_23_14_KA_response (2)
Date: Monday, June 23, 2014 4:48:01 PM
Attachments: [Harder_Comments-Parr-Inflow-Methodology_06_23_14_KA_response \(2\).docx](#)

Good afternoon Scott,

Thanks again for your comments on the inflow methodology, we have prepared responses to discuss during the meeting, and wanted to send ahead of time.

-Bret

Bret R. Hoffman, P.E.

Senior Engineer

Kleinschmidt

Office: 803.462.5623

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From: [Bill Marshall](#)
To: [Kelly Miller](#)
Subject: RE: draft Operations RCG meeting notes - 1/30/14
Date: Friday, March 21, 2014 10:21:16 AM

H Kelly

Scott Harder had a couple comments of the Meeting summary. Sorry this is late.

Regarding his first comment: It may help to specify somewhere in the summary an action to be taken such as -- Study Report will include a description of how the inflow dataset was prepared. His second comment is clarifying interest in seeing a model demo of both HEC-Res and HEC-RAS

Thanks,
Bill

From Scott:

In the section addressing Question 3 -

I thought we agreed that there would be a report written up on how the inflow dataset was prepared. It does not say explicitly that there will be a report.

In the section addressing Question 6 -

Though I am more interested in the HEC-Res model demonstration, I would like to see a demonstration on the HEC-RAS as well. I thought i said that I still wanted to see both demonstrations.

From: Kelly Miller [mailto:Kelly.Miller@KleinschmidtUSA.com]
Sent: Tuesday, March 04, 2014 5:09 PM
To: Alison Jakupca; BARGENTIERI@scana.com; Bill Marshall; Bill Stangler (CRK@congareriverkeeper.org); Bret Hoffman; Bruce Halverson; Byron Hamstead (Byron_hamstead@fws.gov); Dick Christie; Frank_Henning@nps.gov; Gerrit Jobsis (gjobsis@americanrivers.org); Henry Mealing; J. Hagood Hamilton Jr. (jhamilton@scana.com); Jay Maher; Joe Wojcicki; Kelly Miller; Malcolm Leaphart (mwleapjr@att.net); Pace Wilber (Pace.Wilber@noaa.gov); rammarell@scana.com; Randy Mahan (randolph.mahan@scana.com); randy mahan (rmahan@sc.rr.com); Scott Harder; Steve Summer; Terri Hogan (terri_hogan@nps.gov); Tom McCoy (thomas_mccoy@fws.gov); Vivianne Vejdani; Wayne and Ginny Boland (wayneboland@bellsouth.net)
Subject: draft Operations RCG meeting notes - 1/30/14

All,

Attached are the draft meeting notes from the Operations RCG meeting, held on January 30, 2014. Please review and submit any comments or edits by Tuesday, March 18th.

Thanks,

Kelly

Kelly Miller
Regulatory Coordinator

Kleinschmidt

Office: 803.462.5633

www.KleinschmidtUSA.com

From: [Bill Marshall](#)
To: [Kelly Miller](#); [BARGENTIERI@scana.com](#); [Elizabeth Johnson \(emjohnson@scdah.state.sc.us\)](#); [Frank_Henning@nps.gov](#); [QUATTLEBAUM, MILTON](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Steve Summer](#); [tboozier@scana.com](#); [Alison Jakupca](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [Byron Hamstead \(Byron_hamstead@fws.gov\)](#); [Chad Altman \(altmankc@dhec.sc.gov\)](#); [Charlene Coleman \(cheetahrk@yahoo.com\)](#); [Chris Johnston \(JohnstonWC@gmail.com\)](#); [Chuck Hightower \(hightocw@dhec.sc.gov\)](#); [David Eargle \(eargleda@dhec.sc.gov\)](#); [Dick Christie](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Hal Beard](#); [Henry Mealing](#); [J. Hagood Hamilton Jr. \(jhamilton@scana.com\)](#); [Jaclyn Daly \(Jaclyn.Daly@noaa.gov\)](#); [Jay Maher](#); [Jim Glover \(gloverjb@dhec.sc.gov\)](#); [Jon Durham \(jondurham@bellsouth.net\)](#); [Ley, Amanda](#); [Malcolm Leaphart \(mwleapjr@att.net\)](#); [Mark Caldwell \(mark_caldwell@fws.gov\)](#); [Mel Jenkins \(greenpalmetto@yahoo.com\)](#); [Pace Wilber \(Pace.Wilber@noaa.gov\)](#); [Ron Ahle](#); [Rusty Wenerick \(weneriwr@dhec.sc.gov\)](#); [Sam Stokes Jr.](#); [Scott Castleberry \(castlews@dhec.sc.gov\)](#); [Scott Harder](#); [Shane Boring](#); [Tom McCoy \(thomas_mccoy@fws.gov\)](#); [Vivianne Vajdani](#); [Wayne and Ginny Boland \(wayneboland@bellsouth.net\)](#); [btrump@scana.com](#); [David Haddon \(dhaddon@scana.com\)](#); [Erich Miarka \(erich.miarka@gillscreekwatershed.org\)](#); [Jeff Carter \(jmcarter00@sc.rr.com\)](#); [Joe Wojcicki](#); [John Fantry \(jfantry@bellsouth.net\)](#); [Mark Davis \(mdavis@scprt.com\)](#); [Merrill McGregor \(merrillm@scccl.org\)](#); [rammarell@scana.com](#); [Robert Stroud](#); [Scott Collins \(secollins@scana.com\)](#); [William Hendrix \(hendrixwb@dot.state.sc.us\)](#); [Bret Hoffman](#); [Bruce Halverson](#); [Dick Christie \(dchristie@comporium.net\)](#); [Terri Hogan \(terri_hogan@nps.gov\)](#)
Subject: RE: draft Parr Hydroelectric Project PAD
Date: Saturday, August 30, 2014 12:08:39 PM
Attachments: [DRAFT Parr PAD 072814 \(DNR Comments\).docx](#)

Hi Kelly,
DNR staff comments and suggested edits regarding the draft PAD for Parr-Fairfield hydroelectric project are attached, provided in Tack Changes format within the draft document. We appreciate the ongoing opportunities to provide input to this process.

Bill Marshall
SCDNR
803-734-9096

From: Kelly Miller [Kelly.Miller@KleinschmidtGroup.com]
Sent: Monday, July 28, 2014 3:54 PM
To: [BARGENTIERI@scana.com](#); [Elizabeth Johnson \(emjohnson@scdah.state.sc.us\)](#); [Frank_Henning@nps.gov](#); [Kelly Miller](#); [QUATTLEBAUM, MILTON](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Steve Summer](#); [tboozier@scana.com](#); [Alison Jakupca](#); [Bill Marshall](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [Byron Hamstead \(Byron_hamstead@fws.gov\)](#); [Chad Altman \(altmankc@dhec.sc.gov\)](#); [Charlene Coleman \(cheetahrk@yahoo.com\)](#); [Chris Johnston \(JohnstonWC@gmail.com\)](#); [Chuck Hightower \(hightocw@dhec.sc.gov\)](#); [David Eargle \(eargleda@dhec.sc.gov\)](#); [Dick Christie](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Hal Beard](#); [Henry Mealing](#); [J. Hagood Hamilton Jr. \(jhamilton@scana.com\)](#); [Jaclyn Daly \(Jaclyn.Daly@noaa.gov\)](#); [Jay Maher](#); [Jim Glover \(gloverjb@dhec.sc.gov\)](#); [Jon Durham \(jondurham@bellsouth.net\)](#); [Ley, Amanda](#); [Malcolm Leaphart \(mwleapjr@att.net\)](#); [Mark Caldwell \(mark_caldwell@fws.gov\)](#); [Mel Jenkins \(greenpalmetto@yahoo.com\)](#); [Pace Wilber \(Pace.Wilber@noaa.gov\)](#); [Ron Ahle](#); [Rusty Wenerick \(weneriwr@dhec.sc.gov\)](#); [Sam Stokes Jr.](#); [Scott Castleberry \(castlews@dhec.sc.gov\)](#); [Scott Harder](#); [Shane Boring](#); [Tom McCoy \(thomas_mccoy@fws.gov\)](#); [Vivianne Vajdani](#); [Wayne and Ginny Boland \(wayneboland@bellsouth.net\)](#); [btrump@scana.com](#); [David Haddon \(dhaddon@scana.com\)](#); [Erich Miarka \(erich.miarka@gillscreekwatershed.org\)](#); [Jeff Carter \(jmcarter00@sc.rr.com\)](#); [Joe Wojcicki](#); [John Fantry \(jfantry@bellsouth.net\)](#); [Mark Davis \(mdavis@scprt.com\)](#); [Merrill McGregor \(merrillm@scccl.org\)](#); [rammarell@scana.com](#); [Robert Stroud](#); [Scott Collins \(secollins@scana.com\)](#); [William Hendrix \(hendrixwb@dot.state.sc.us\)](#); [Bret Hoffman](#); [Bruce Halverson](#); [Dick Christie \(dchristie@comporium.net\)](#); [Terri Hogan \(terri_hogan@nps.gov\)](#)
Subject: draft Parr Hydroelectric Project PAD

Good afternoon all!

Attached is the draft Parr Hydroelectric Project Pre-Application Document (PAD). Please review and have any comments or edits to me by August 31st. Please note that the appendices will be included with the final document.

Thanks,
Kelly

Kelly Miller
Regulatory Coordinator

Kleinschmidt

Office: 803.462.5633

www.KleinschmidtGroup.com

From: [Bill Marshall](#)
To: [Kelly Miller](#)
Cc: [Dick Christie](#)
Subject: RE: Draft Reservoir Fluctuation Study Plan
Date: Thursday, March 27, 2014 2:05:53 PM
Attachments: [011-Draft Reservoir Fluctuations Study Plan 022514 \(DNR-comments-edits\).docx](#)

Hi Kelly, sorry we missed the March 14 deadline. Attached are comments and suggestions from DNR staff regarding the draft Reservoir Fluctuation Study.

Thank you.

Bill

From: Kelly Miller [mailto:Kelly.Miller@KleinschmidtUSA.com]
Sent: Tuesday, February 25, 2014 9:17 AM
To: Alison Jakupca; BARGENTIERI@scana.com; Bill Marshall; Bill Stangler (CRK@congariverkeeper.org); Byron Hamstead (Byron_hamstead@fws.gov); Chad Altman (altmankc@dhec.sc.gov); Dick Christie; Fritz Rohde (Fritz.Rohde@noaa.gov); Gerrit Jobsis (gjobsis@americanrivers.org); Hal Beard; Henry Mealing; Jay Maher; Jim Glover (gloverjb@dhec.sc.gov); Karla Reece (Karla.Reece@noaa.gov); Kelly Miller; QUATTLEBAUM, MILTON; rammarell@scana.com; Randy Mahan (randolph.mahan@scana.com); randy mahan (rmahan@sc.rr.com); Robert Stroud; Ron Ahle; Sam Stokes Jr.; Shane Boring; Steve Summer; Tom McCoy (thomas_mccoy@fws.gov); Vivianne Vejdani
Subject: Draft Reservoir Fluctuation Study Plan

All,

Attached is the draft Reservoir Fluctuation Study Plan. Please review and submit any comments or questions by Friday, March 14th. We will be discussing this study plan at the next Fisheries TWC meeting.

Thanks,
Kelly

Kelly Miller
Regulatory Coordinator

Kleinschmidt

Office: 803.462.5633

www.KleinschmidtUSA.com

From: [Scott Harder](#)
To: "Pace Wilber - NOAA Federal"; [Gerrit Jobsis](#)
Cc: [Kelly Miller](#); [Alison Jakupca](#); BARGENTIERI@scana.com; [Bill Marshall](#); [Bill Stangler](#) (CRK@congareriverkeeper.org); [Bret Hoffman](#); [Bruce Halverson](#); [Byron Hamstead \(Byron_hamstead@fws.gov\)](mailto:Byron_Hamstead@fws.gov); [Dick Christie](#); Frank_Henning@nps.gov; [Henry Mealing](#); [J_Hagood Hamilton Jr. \(jhamilton@scana.com\)](mailto:J_Hagood_Hamilton_Jr_(jhamilton@scana.com)); [Jay Maher](#); [Joe Wojcicki](#); [Malcolm Leaphart \(mwleapjr@att.net\)](mailto:Malcolm_Leaphart_(mwleapjr@att.net)); rammarell@scana.com; [Randy Mahan](#) (randolph.mahan@scana.com); [randy mahan \(rmahan@sc.rr.com\)](mailto:randy_mahan_(rmahan@sc.rr.com)); [Steve Summer](#); [Terri Hogan](#) (terri_hogan@nps.gov); [Tom McCoy \(thomas_mccoy@fws.gov\)](mailto:Tom_McCoy_(thomas_mccoy@fws.gov)); [Vivianne Vejdani](#); [Wayne and Ginny Boland \(wayneboland@bellsouth.net\)](mailto:Wayne_and_Ginny_Boland_(wayneboland@bellsouth.net))
Subject: RE: Inflow Dataset Development: Statistical Methodology
Date: Thursday, May 29, 2014 9:17:00 AM

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scott

From: Pace Wilber - NOAA Federal [<mailto:pace.wilber@noaa.gov>]
Sent: Wednesday, May 28, 2014 9:45 PM
To: Gerrit Jobsis
Cc: [Kelly Miller](#); [Alison Jakupca](#); BARGENTIERI@scana.com; [Bill Marshall](#); [Bill Stangler](#) (CRK@congareriverkeeper.org); [Bret Hoffman](#); [Bruce Halverson](#); [Byron Hamstead \(Byron_hamstead@fws.gov\)](mailto:Byron_Hamstead@fws.gov); [Dick Christie](#); Frank_Henning@nps.gov; [Henry Mealing](#); [J_Hagood Hamilton Jr. \(jhamilton@scana.com\)](mailto:J_Hagood_Hamilton_Jr_(jhamilton@scana.com)); [Jay Maher](#); [Joe Wojcicki](#); [Malcolm Leaphart \(mwleapjr@att.net\)](mailto:Malcolm_Leaphart_(mwleapjr@att.net)); rammarell@scana.com; [Randy Mahan \(randolph.mahan@scana.com\)](mailto:Randy_Mahan_(randolph.mahan@scana.com)); [randy mahan \(rmahan@sc.rr.com\)](mailto:randy_mahan_(rmahan@sc.rr.com)); [Scott Harder](#); [Steve Summer](#); [Terri Hogan \(terri_hogan@nps.gov\)](mailto:Terri_Hogan_(terri_hogan@nps.gov)); [Tom McCoy \(thomas_mccoy@fws.gov\)](mailto:Tom_McCoy_(thomas_mccoy@fws.gov)); [Vivianne Vejdani](#); [Wayne and Ginny Boland \(wayneboland@bellsouth.net\)](mailto:Wayne_and_Ginny_Boland_(wayneboland@bellsouth.net))
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Please consider the environment before printing this e-mail.

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Sent: Tuesday, May 13, 2014 3:19 PM

To: Alison Jakupca; BARGENTIERI@scana.com; Bill Marshall (marshallb@dnr.sc.gov); Bill Stangler (CRK@congareriverkeeper.org); Bret Hoffman; Bruce Halverson; Byron Hamstead (Byron_hamstead@fws.gov); Dick Christie (christied@dnr.sc.gov); Frank_Henning@nps.gov; Gerrit Jöbsis; Henry Mealing; J. Hagood Hamilton Jr. (jhamilton@scana.com); Jay Maher; Joe Wojcicki; Kelly Miller; Malcolm Leaphart (mwleapjr@att.net); Pace Wilber (Pace.Wilber@noaa.gov); rammarell@scana.com; Randy Mahan (randolph.mahan@scana.com); randy mahan (rmahan@sc.rr.com); Scott Harder; Steve Summer; Terri Hogan (terri_hogan@nps.gov); Tom McCoy (thomas_mccoy@fws.gov); 'Vivianne Vejdani'; Wayne and Ginny Boland (wayneboland@bellsouth.net)

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Thanks,
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Kelly Miller
Regulatory Coordinator

Kleinschmidt

Office: [803.462.5633](tel:803.462.5633)

www.KleinschmidtGroup.com

--

Pace Wilber, Ph.D.
HCD Atlantic Branch Supervisor
NOAA Fisheries Service
219 Ft Johnson Road
Charleston, SC 29412

Voice: 843-762-8601

FAX: 843-953-7205

Pace.Wilber@noaa.gov

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To: [Scott Harder](#); "Pace Wilber - NOAA Federal"; [Gerrit Jobsis](#)
Cc: [Kelly Miller](#); [Alison Jakupca](#); BARGENTIERI@scana.com; [Bill Marshall](#); [Bill Stangler](#) (CRK@congareriverkeeper.org); [Bret Hoffman](#); [Bruce Halverson](#); [Byron Hamstead \(Byron_hamstead@fws.gov\)](mailto:Byron_hamstead@fws.gov); [Dick Christie](#); Frank_Henning@nps.gov; [J. Hagood Hamilton Jr. \(jhamilton@scana.com\)](mailto:J_Hagood_Hamilton_Jr_(jhamilton@scana.com)); [Jay Maher](#); [Joe Wojcicki](#); [Malcolm Leaphart \(mwleapjr@att.net\)](mailto:Malcolm_Leaphart_(mwleapjr@att.net)); rammarell@scana.com; [Randy Mahan \(randolph.mahan@scana.com\)](mailto:Randy_Mahan_(randolph.mahan@scana.com)); [randy_mahan \(rmahan@sc.rr.com\)](mailto:randy_mahan_(rmahan@sc.rr.com)); [Steve Summer](#); [Terri Hogan \(terri_hogan@nps.gov\)](mailto:Terri_Hogan_(terri_hogan@nps.gov)); [Tom McCoy \(thomas_mccoy@fws.gov\)](mailto:Tom_McCoy_(thomas_mccoy@fws.gov)); [Vivianne Vejdani](#); [Wayne and Ginny Boland \(wayneboland@bellsouth.net\)](mailto:Wayne_and_Ginny_Boland_(wayneboland@bellsouth.net))
Subject: RE: Inflow Dataset Development: Statistical Methodology
Date: Thursday, May 29, 2014 1:05:47 PM

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Henry Mealing
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Fisheries Biologist / Team Leader
Cell: 706-339-3209

From: Scott Harder [mailto:HarderS@dnr.sc.gov]
Sent: Thursday, May 29, 2014 9:17 AM
To: 'Pace Wilber - NOAA Federal'; [Gerrit Jobsis](#)
Cc: [Kelly Miller](#); [Alison Jakupca](#); BARGENTIERI@scana.com; [Bill Marshall](#); [Bill Stangler](#) (CRK@congareriverkeeper.org); [Bret Hoffman](#); [Bruce Halverson](#); [Byron Hamstead \(Byron_hamstead@fws.gov\)](mailto:Byron_hamstead@fws.gov); [Dick Christie](#); Frank_Henning@nps.gov; [Henry Mealing](#); [J. Hagood Hamilton Jr. \(jhamilton@scana.com\)](mailto:J_Hagood_Hamilton_Jr_(jhamilton@scana.com)); [Jay Maher](#); [Joe Wojcicki](#); [Malcolm Leaphart \(mwleapjr@att.net\)](mailto:Malcolm_Leaphart_(mwleapjr@att.net)); rammarell@scana.com; [Randy Mahan \(randolph.mahan@scana.com\)](mailto:Randy_Mahan_(randolph.mahan@scana.com)); [randy_mahan \(rmahan@sc.rr.com\)](mailto:randy_mahan_(rmahan@sc.rr.com)); [Steve Summer](#); [Terri Hogan \(terri_hogan@nps.gov\)](mailto:Terri_Hogan_(terri_hogan@nps.gov)); [Tom McCoy \(thomas_mccoy@fws.gov\)](mailto:Tom_McCoy_(thomas_mccoy@fws.gov)); [Vivianne Vejdani](#); [Wayne and Ginny Boland \(wayneboland@bellsouth.net\)](mailto:Wayne_and_Ginny_Boland_(wayneboland@bellsouth.net))
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The logo for Kleinschmidt, featuring the word "Kleinschmidt" in a stylized, bold, blue font with a green underline.

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Subject: RE: Inflow Dataset Development: Statistical Methodology
Date: Friday, May 30, 2014 2:59:35 PM
Attachments: [Harder_Comments-Parr-Inflow-Methodology_05_30_14.docx](#)

Hi. Please see attached comments from SCDNR.

My main conclusion is that the inflow dataset is probably ok , but we should meet and discuss further before we commit to anything.

Enjoy,

Scott

From: Henry Mealing [<mailto:Henry.Mealing@KleinschmidtGroup.com>]
Sent: Thursday, May 29, 2014 1:06 PM
To: Scott Harder; 'Pace Wilber - NOAA Federal'; Gerrit Jobsis
Cc: Kelly Miller; Alison Jakupca; BARGENTIERI@scana.com; Bill Marshall; Bill Stangler (CRK@congaereiverkeeper.org); Bret Hoffman; Bruce Halverson; Byron Hamstead (Byron_hamstead@fws.gov); Dick Christie; Frank_Henning@nps.gov; J. Hagood Hamilton Jr. (jhamilton@scana.com); Jay Maher; Joe Wojcicki; Malcolm Leaphart (mwleapjr@att.net); rammarell@scana.com; Randy Mahan (randolph.mahan@scana.com); randy mahan (rmahan@sc.rr.com); Steve Summer; Terri Hogan (terri_hogan@nps.gov); Tom McCoy (thomas_mccoy@fws.gov); Vivianne Vejdani; Wayne and Ginny Boland (wayneboland@bellsouth.net)
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HCD Atlantic Branch Supervisor

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Voice: 843-762-8601

FAX: 843-953-7205

Pace.Wilber@noaa.gov

From: [Bill Marshall](#)
To: [Kelly Miller](#); [Shane Boring](#)
Cc: [Ron Ahle](#); ["Dick Christie"](#); [Vivianne Vejdani](#)
Subject: RE: Mesohabitat Study Plan
Date: Friday, September 06, 2013 1:44:26 PM

Kelly and Shane, the study plan looks okay to me. I had only one question that may present a need for clarification of a term as presented in the following...

On Page 2, 1st paragraph, the next to last sentence says, *Upstream and downstream boundaries of each mesohabitat patch will be documented with a Global Position System, and field observations regarding dominant substrate, overall cover quality, and approximate channel width and slope recorded.* Please provide explanation of what is meant by the term "cover quality."

Thanks,
Bill

From: Kelly Miller [mailto:Kelly.Miller@KleinschmidtUSA.com]
Sent: Thursday, August 29, 2013 2:23 PM
To: Alan Stuart; Alison Jakupca; BARGENTIERI@scana.com; Bill Marshall; Bill Stangler (CRK@congaereiverkeeper.org); Brandon Kulik; Byron Hamstead (Byron_hamstead@fws.gov); Chad Altman (altmankc@dhec.sc.gov); Dick Christie (dchristie@comporium.net); Frank_Henning@nps.gov; Gerrit Jobsis (gjobsis@americanrivers.org); Henry Mealing; Jay Maher; Jim Glover (gloverjb@dhec.sc.gov); Karla Reece (Karla.Reece@noaa.gov); Kelly Miller; Kerry Castle; Ley, Amanda; Pace Wilber (Pace.Wilber@noaa.gov); QUATTLEBAUM, MILTON; rammarell@scana.com; Randy Mahan (randolph.mahan@scana.com); Ron Ahle; Rusty Wenerick (weneriwr@dhec.sc.gov); Scott Harder; Shane Boring; Steve Summer; Tom McCoy (thomas_mccoy@fws.gov); Vivianne Vejdani
Subject: FW: Mesohabitat Study Plan

All,

Please submit any suggested edits or comments to the attached memo via email. If you have no edits, please submit your approval of the study plan to me by Friday, September 6th.

Thanks,
Kelly

Kelly Miller
Regulatory Coordinator

Office: 803.462.5633
www.KleinschmidtUSA.com

From: Kelly Miller
Sent: Thursday, August 29, 2013 11:15 AM
To: Alan Stuart; Alison Jakupca; ARGENTIERI, WILLIAM R; Bill Marshall (marshallb@dnr.sc.gov); Bill Stangler (CRK@congaereiverkeeper.org); Brandon Kulik; Byron Hamstead (Byron_hamstead@fws.gov); Chad Altman (altmankc@dhec.sc.gov); Dick Christie (dchristie@comporium.net);

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Subject: Mesohabitat Study Plan

All,

For your information, attached is a memo regarding the Mesohabitat Study Plan, reflecting points discussed at the previous Instream Flows TWC meeting, held on July 31st.

Thanks,
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Kelly Miller

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SHPO CONSULTATION

From: [Johnson, Elizabeth](#)
To: [Kelly Miller](#)
Subject: RE: Parr PAD reminder
Date: Thursday, August 28, 2014 8:41:20 AM

Ms. Miller:

Thank you for your email providing the draft Parr Hydroelectric Project Pre-Application Document (PAD) and requesting review and comments. The State Historic Preservation Office will be providing comments to the Federal Energy Regulatory Commission pursuant to Section 106 of the National Historic Preservation Act and its implementing regulations, 36 CFR 800. Consultation with the SHPO is not a substitution for consultation with Tribal Historic Preservation Offices, other Native American tribes, local governments, or the public. As noted in the PAD, consultation was initiated with our office by SCE&G in 2013.

We recently reviewed the revised draft report entitled *Cultural Resource Investigations for the Parr Hydroelectric Project, Fairfield and Newberry Counties, South Carolina* prepared by S&ME of Columbia. We concurred with S&ME's determinations of eligibility for the National Register of Historic Places and management recommendations. These are summarized in Table 4-34 of the PAD.

We look forward to continuing consultation on this project and to the development of a Programmatic Agreement and Management Plan(s) that outline steps to protect historic properties. As noted in Section 4.9.5, the management and operations of the Project may adversely affect historic properties in the form of erosion, construction of recreational facilities and development along the shoreline. Identification efforts and measures to protect historic properties will need to be developed. As noted in 4.9.6, a Programmatic Agreement developed by FERC under Section 106 will include stipulations for the management of historic properties, and a shoreline management plan and historic properties management plan will also be developed. Specific recommendations and management actions will be outlined in these documents.

Thank you for the opportunity to review the draft PAD. If you have any questions please feel free to contact me at 803-896-6168, emjohnson@scdah.state.sc.us.

Best regards,

Elizabeth

Elizabeth M. Johnson
State Historic Preservation Office
SC Department of Archives and History
8301 Parklane Road, Columbia, SC 29223
ph: 803-896-6168 fax: 803-896-6167
email: emjohnson@scdah.state.sc.us web: <http://shpo.sc.gov>

To sign up to receive our monthly newsletter, [News and Notes from the State Historic Preservation Office](#), please

send me an email with your name and organizational affiliation, with News and Notes in the subject line.

From: Kelly Miller [mailto:Kelly.Miller@KleinschmidtGroup.com]

Sent: Wednesday, August 27, 2014 8:37 AM

To: (msgentry@columbiasc.net); Alison Jakupca; BARGENTIERI@scana.com; Bill Marshall (marshallb@dnr.sc.gov); Bill Stangler (CRK@congariverkeeper.org); Bob Perry; Bret Hoffman; btrump@scana.com; Byron Hamstead (Byron_hamstead@fws.gov); Cathy Tortorici (Cathy.tortorici@noaa.gov); Chad Altman (altmankc@dhec.sc.gov); Charlene Coleman (cheetahrk@yahoo.com); Chris Johnston (JohnstonWC@gmail.com); Chuck Hightower (hightocw@dhec.sc.gov); David Eargle (eargleda@dhec.sc.gov); Dick Christie (christied@dnr.sc.gov); Johnson, Elizabeth; Elizabeth LeMaster; Erich Miarka (erich.miarka@gillscreekwatershed.org); Frank_Henning@nps.gov; Fritz Rohde (Fritz.Rohde@noaa.gov); Gerrit Jobsis (gjobsis@americanrivers.org); Hal Beard (BeardH@dnr.sc.gov); Henry Mealing; J. Hagood Hamilton Jr. (jhamilton@scana.com); Jaclyn Daly (Jaclyn.Daly@noaa.gov); Jay Maher; Jim Glover (gloverjb@dhec.sc.gov); Joe Wojcicki; John Fantry (jfantry@bellsouth.net); John Grego (jrgrego@pop.mindspring.com); Jon Durham (jondurham@bellsouth.net); Kamau Marcharia (marcharia@aol.com); Karla Reece (Karla.Reece@noaa.gov); Kelly Miller; Kerry Castle (castlek@dnr.sc.gov); Larry Newton (LNewton@sc.rr.com); Malcolm Leaphart (mwleapjr@att.net); Mark Caldwell (mark_caldwell@fws.gov); Mark Cantrell (mark_a_cantrell@fws.gov); Mark Davis (mdavis@scprt.com); Mel Jenkins (greenpalmetto@yahoo.com); Merrill McGregor (merrillm@sccl.org); Mike Mastry (Mike.Mastry@noaa.gov); Mike McSwain (mcswain@comcast.net); Pace Wilber (Pace.Wilber@noaa.gov); Phil Gaines (pgaines@scprt.com); QUATTLEBAUM, MILTON; rammarell@scana.com; Randy Mahan (randolph.mahan@scana.com); randy mahan (rmahan@sc.rr.com); Robert Stroud (StroudR@dnr.sc.gov); Ron Ahle; Rusty Wenerick (weneriwr@dhec.sc.gov); Sam Stokes (stokess@dnr.sc.gov); Scott Castleberry (castlews@dhec.sc.gov); Scott Collins (secollins@scana.com); Scott Harder; Shane Boring; 'Sherer, Jonathan'; Steve Summer; SUMMER, MICHAEL C; tboozr@scana.com; Theresa Powers; Tom McCoy (thomas_mccoy@fws.gov); 'Vivianne Vejdani'; Wayne and Ginny Boland (wayneboland@bellsouth.net); William Hendrix (hendrixwb@dot.state.sc.us)

Subject: Parr PAD reminder

Good morning!

This is a reminder that any comments or edits on the draft PAD for the Parr Relicensing Project are due by August 31st.

Thanks!

Kelly

Kelly Miller
Regulatory Coordinator

Kleinschmidt

Office: 803.462.5633

www.KleinschmidtGroup.com

TLP LETTERS



United States Department of the Interior



FISH AND WILDLIFE SERVICE

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

September 29, 2014

Mr. William R. Argentieri
South Carolina Electric & Gas Company
Mail Code A221
220 Operation Way
Cayce, SC 29033-3701

Re: Use of the Traditional Licensing Process for the Relicensing of the Parr Hydroelectric Project (FERC No. 1894) Newberry and Fairfield Counties, South Carolina
FWS Log No. 2012-CPA-0163

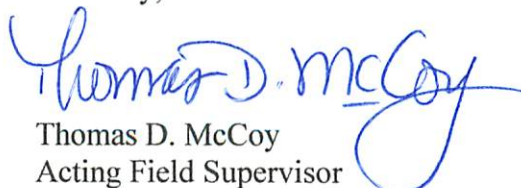
Dear Mr. Argentieri:

The U.S. Fish and Wildlife Service (Service) has received your e-mail dated August 14, 2014, outlining why the South Carolina Electric & Gas Company (SCE&G) will request the use of the Traditional Licensing Process (TLP) to obtain a subsequent license for the Parr Hydroelectric Project (Project). Additionally, SCE&G requested a letter of support or of no objection to the use of the TLP for the Project to be submitted to the Federal Energy Regulatory Commission along with the Notice of Intent and Pre-Application Document (PAD).

The SCE&G began early consultation (pre-PAD) with natural resource agencies and made substantial effort to ensure relicense of the Project before the current license expires in June 30, 2020. During this early investment, SCE&G began conducting studies to address information needs and to assess impacts to natural resources. Moreover, the Service reviewed and provided numerous comments on a draft PAD for the Project. Therefore, we foresee minimal controversy during relicensing. We are familiar with this process as it has been used for the relicense of other FERC projects of comparable size in South Carolina. For these reasons, we have no objections to using the TLP for the Project.

The Service appreciates the opportunity to participate in the relicensing of the Project and look forward to working with SCE&G throughout the process to meet our collective goals. If you have any questions, please contact Mr. Byron Hamstead at (843) 727-4707 ext. 205, and reference FWS No. 2012-CPA-0163.

Sincerely,


Thomas D. McCoy
Acting Field Supervisor

cc: Mr. Bill Marshall, SCDNR, Columbia, SC
Mr. Dick Christie, SCDNR, Lancaster, SC
Ms. Alicia Rowe, SCDHEC, Columbia, SC
Mr. Pace Wilber, NOAA, Charleston, SC
Mr. Wilson Laney, USFWS, Raleigh, NC



www.americanwhitewater.org

Kevin Colburn
National Stewardship Director
PO Box 1540
Asheville, NC 28806
828-712-4825
kevin@americanwhitewater.org

October 23, 2014

William R. Argentieri
South Carolina Electric & Gas Company
Mail Code A221
220 Operation Way
Cayce, SC 29033-3701

Re: Support for Traditional Licensing Process (p-1894)

Dear Mr. Argentieri,

American Whitewater is a national non-profit organization with a mission of protecting and restoring our nations whitewater resources and enhancing opportunities to enjoy them safely. We routinely engage in hydropower relicensing processes where dams affect river-based kayaking, canoeing or rafting opportunities. We intend to participate in the relicensing of the Parr Hydroelectric Project (FERC No. 1894).

We understand that you are interested in utilizing the Traditional Licensing Process. We feel that either the TLP or the ILP can work well when Licensees proactively engage with stakeholders and seek mutual-gain outcomes that balance power and non-power uses of rivers. We have a long and positive working relationship with SCE&G, and are confident that you can utilize the Traditional Licensing Process to reach the best-adapted plan for the river in a timely manner. Therefore, we support your proposal to use the Traditional Licensing Process on the relicensing of the Parr Hydroelectric Project.

Sincerely,

Kevin Colburn
American Whitewater
National Stewardship Director
PO Box 1540
Cullowhee, NC 28723
kevin@americanwhitewater.org

Charlene Coleman
Regional Coordinator



October 27, 2014

William R. Argentieri
South Carolina Electric & Gas Company
Mail Code A221
220 Operation Way
Cayce, SC 29033-3701

Re: Traditional Licensing Process for Parr/Fairfield Hydro Relicensing

Mr. Argentieri,

I am writing to express Congaree Riverkeeper's support for the Traditional Licensing Process (TLP) in the relicensing of the Parr Hydroelectric Project (FERC No. 1894). We feel that the TLP's more flexible deadlines, combined with a robust stakeholder process, should result in the timely issuance of a license that all parties can support. Additionally, many of the same stakeholders involved in this relicensing recently used the TLP with great success in the Saluda relicensing process (FERC No. 516).

We appreciate this opportunity to comment and look forward to our continued participation in the relicensing process.

Sincerely,

Bill Stangler
Congaree Riverkeeper

Post Office Box 5294 • Columbia, South Carolina 29250
(803) 760-3357 • www.congareeriverkeeper.org



South Carolina Department of Natural Resources



1000 Assembly Street
PO Box 167
Columbia, SC 29202
803-734-9096 - Office
marshallb@dnr.sc.gov

Alvin A. Taylor
Director

Robert D. Perry
Director, Office of
Environmental Programs

October 1, 2014

Mr. William R. Argentieri
South Carolina Electric & Gas Company
Mail Code A221
220 Operation Way
Cayce, SC 29033-3701

REFERENCE: Use of the Traditional Licensing Process (TLP) for the relicensing of the Parr Hydroelectric Project (FERC No. 1894)

Dear Mr. Argentieri:

The South Carolina Department of Natural Resources (DNR) has reviewed your e-mail of August 14, 2014 presenting the reasons and intentions of South Carolina Electric & Gas Company (SCE&G) to request the use of the TLP to obtain a new license for the Parr Hydroelectric Project. Your e-mail requested the DNR and other stakeholder to provide a letter sharing our positions with respect to the use of the TLP.

DNR is supportive of using the TLP for the Parr Hydro Project because of the greater flexibility it affords for the stakeholders and the licensee. In addition, as participants in the early consultations already initiated by SCE&G with resources agencies and other stakeholders in preparation of the pre-application documents, we believe the relicensing time schedules, complexity of issues, and information needs for the Parr Project can and will be adequately addressed using the TLP as coordinated by SCE&G.

DNR appreciates the opportunity to participate in the relicensing of the Parr Hydro Project and we look forward to continued cooperative work with SCE&G to protect and manage resources at the Project.

Sincerely,

A handwritten signature in black ink that reads "Bill Marshall". The signature is written in a cursive, slightly slanted style.

Bill Marshall
FERC Projects Coordinator

cc: Bob Perry
Dick Christie

From: [Pace Wilber - NOAA Federal](#)
To: BARGENTIERI@scana.com
Cc: [Fritz Rohde](#)
Subject: Re: TLP Support Request
Date: Friday, October 10, 2014 1:17:55 PM

*****This is an EXTERNAL email. Please do not click on a link or open any attachments unless you are confident it is from a trusted source.**

Hi Bill. NMFS is going to be neutral on the license process used for Parr. Our national hydropower team often discusses the merits of each license process. Based on that discussion, it seems a neutral stance is best for Parr. Thanks again for making a remote option available for yesterday's PAD review. I am impressed by thoroughness of the draft PAD. Pace

On Thu, Aug 14, 2014 at 4:54 PM, ARGENTIERI, WILLIAM R
<BARGENTIERI@scana.com> wrote:

All,

I hope this finds you doing well.

I wanted to share two items with you today. First, we hope that you have had a chance to begin your review of the Preliminary Application Document (PAD) for the Parr Hydroelectric Project (FERC No. 1894) (Project). Please be sure to contact Kelly Miller if you have any questions on that document. We look forward to receiving your comments by August 29, 2014 (since August 31 is a Sunday) and resolving issues that you identify during your review for the final filing with FERC.

Second, as discussed during several of our stakeholder meetings (and in Section 2.0 of the PAD) SCE&G intends to request that FERC authorize us to use the Traditional Licensing Process (TLP) for the Project relicensing. As many of you are already aware, there are three distinct processes available to applicants when embarking on a hydroelectric project relicensing. The default process is known as the Integrated Licensing Process (ILP); however, the TLP and the Alternative Licensing Process (ALP) are options that may also be used for relicensing. Federal regulations state that FERC authorization is required for an applicant to employ a relicensing process other than the ILP.

When considering process selection, there are several aspects for each of the processes to keep in mind. The ILP and the TLP are the most frequently used relicensing processes. The ALP has been used infrequently since the development of the ILP, as it contains many of the same aspects of the ILP. The ILP is "front-loaded" and involves significant early consultation among the

applicant, stakeholders and FERC and has stringent prescribed deadlines for process steps for agencies, NGO's and the applicant. Issues scoping by FERC, as required under the National Environmental Policy Act (NEPA), occurs prior to the filing of a License Application. Overall, the use of the ILP generally serves to intensify the schedule at the start of the process and set specific dates with regards to studies, filing comments, and filing of the application.

The TLP provides much more flexibility for both the applicant and stakeholders during the initial stages of relicensing. The TLP is broken up into 3 stages of consultation which include: issuance of the PAD and study consultation; performing studies and draft application preparation, and; submittal of the final license application. Although there are several FERC deadlines that must be met during the pre-filing stage (and are related to the expiration date of the current license), SCE&G and the stakeholders would have greater flexibility in guiding the relicensing process to fit the needs of the Project. Moreover, this pre-filing flexibility would allow SCE&G and stakeholders to work towards the development of a Settlement Agreement for filing with the Project License Application.

FERC requires that any applicant requesting authorization to use the TLP additionally consider and address the following items, along with other factors believed by the applicant to be pertinent (18 C.F.R. § 5.3(c)(1)(ii)) :

- **Likelihood of timely license issuance:** SCE&G believes that using the TLP will provide stakeholders with manageable timeframes during pre-filing consultation and will also assist FERC in achieving its goal of issuing a timely license for the Project.
- **Complexity of the resource issues and the level of anticipated controversy:** Through extensive pre-PAD consultation, SCE&G has already identified areas where additional information is needed on the existing environment surrounding the Project and has begun the process of developing study plans and mechanisms for fulfilling study goals.
- **The amount of available information and potential for significant disputes over studies:** There is a wealth of information available on the existing environment in the vicinity of the Project, as presented in the PAD. The pre-PAD consultation process to date has enabled SCE&G to join with interested governmental and non-governmental parties in identifying information gaps. The success of these efforts greatly diminishes the potential for significant disputes over studies. Therefore, SCE&G anticipates a low level of controversy and complexity relating to resource issues.

Many of you were involved in the recently completed TLP pre-filing consultation for the Saluda Hydroelectric Project (FERC No. 516). The use of the TLP for the Saluda Project relicensing resulted in the filing of a very robust settlement agreement. SCE&G plans to implement a similar, successful pre-filing process at the Parr Project through the use of the TLP. Given all of the factors discussed above, SCE&G strongly believes the TLP to be the most appropriate means to obtain a subsequent license for the Project.

To aid FERC in their approval of the TLP for the Project, we request that you (the state and federal resource agencies, NGO's and individuals that have been involved in pre-PAD consultation to date) provide me with a letter or email of support (or of no objection) from your organization (or yourself for an individual) in using the TLP for the Parr Hydro relicensing. This documentation will be included with SCE&G's TLP request to FERC that accompanies the Notice of Intent (NOI) and PAD. SCE&G plans to file the NOI and PAD in early January 2015. However, SCE&G will be meeting with FERC in the Fall of 2014 to discuss the Project and the impending relicensing. Documentation of stakeholder TLP support, or no objection, would aid in these FERC discussions and set the stage for FERC to approve use of the TLP. **Given these timeframes, I request that if you are inclined to do so, please provide your letter of support to me by September 30, 2014.** If you cannot send it to me by this date and still wish to provide your support for the TLP, please send your letter or email to me by the end of this year. I have attached to this email examples of TLP support letters provided for other relicensing projects.

I appreciate your participation and support of the pre-filing process. Please do not hesitate to contact me if you have any questions regarding this matter.

William R. Argentieri

South Carolina Electric & Gas Company

Mail Code A221

220 Operation Way

Cayce, SC 29033-3701

(Physical Address)

100 SCANA Pkwy

Building A, Floor 2

Cayce, SC 29033-3712

Phone - [\(803\) 217-9162](tel:(803)217-9162)

Fax - [\(803\) 933-7849](tel:(803)933-7849)

Cell - [\(803\) 331-0179](tel:(803)331-0179)

--

Pace Wilber, Ph.D.
HCD Atlantic Branch Supervisor
NOAA Fisheries Service
219 Ft Johnson Road
Charleston, SC 29412

Voice: 843-762-8601
FAX: 843-953-7205
Pace.Wilber@noaa.gov

From: [Gerrit Jobsis](mailto:Gerrit.Jobsis@scana.com)
To: BARGENTIERI@scana.com
Cc: [Henry Mealing](mailto:Henry.Mealing@scana.com)
Subject: RE: TLP Support Request Reminder
Date: Tuesday, October 21, 2014 5:52:56 PM
Attachments: [AmericanRiversTLP comments.pdf](#)

*****This is an EXTERNAL email. Please do not click on a link or open any attachments unless you are confident it is from a trusted source.**

Here you are Bill.

Gerrit Jöbsis, American Rivers
Senior Director, Southeast Conservation Programs
215 Pickens Street
Columbia, SC 29205
(O) 803.771.7114 (M) 803.546.7926

Vote for American Rivers and help us win \$20,000 to protect endangered rivers!

www.AmericanRivers.org/KIND

Please consider the environment before printing this e-mail.

From: ARGENTIERI, WILLIAM R [mailto:BARGENTIERI@scana.com]
Sent: Tuesday, October 21, 2014 9:42 AM
To: Frank_Henning@nps.gov; Bill Stangler (CRK@congariverkeeper.org); Chad Altman (altmankc@dhec.sc.gov); Charlene Coleman (cheetahrk@yahoo.com); Chris Johnston (JohnstonWC@gmail.com); Chuck Hightower (hightocw@dhec.sc.gov); David Eargle (eargleda@dhec.sc.gov); Gerrit Jobsis; Jim Glover (gloverjb@dhec.sc.gov); Jon Durham (jondurham@bellsouth.net); Ley, Amanda; Malcolm Leaphart (mwleapjr@att.net); Mel Jenkins (greenpalmetto@yahoo.com); Rusty Wenerick (weneriwr@dhec.sc.gov); Scott Castleberry (castlews@dhec.sc.gov); Wayne and Ginny Boland (wayneboland@bellsouth.net); Erich Miarka (erich.miarka@gillscreekwatershed.org); Jeff Carter (jmcarter00@sc.rr.com); Joe Wojcicki; Mark Davis (mdavis@scprt.com); Merrill McGregor (merrillm@scccl.org); William Hendrix (hendrixwb@dot.state.sc.us); Terri Hogan (terri_hogan@nps.gov); Elizabeth LeMaster
Cc: Henry Mealing; Alison Jakupca - KA; Kelly Miller
Subject: RE: TLP Support Request Reminder

All,

This is just a follow-up and reminder that I am asking for you to provide me with an email or letter from your agency or organization stating your support, or no objection, to using the Traditional Licensing Process for the Parr Relicensing Project. I would like to have your letters or emails before I meet with the FERC on October 29, but if that is not possible, we would like to include them with the PAD that we plan to file at the beginning of January.

We already received concurrence or no objection emails/letters from SCDNR, NMFS, USFWS, SCSHPO, and Town of Winnsboro.

Any letters or emails will be appreciated by next Monday, October 27.

Thank you,
Bill

From: ARGENTIERI, WILLIAM R
Sent: Thursday, August 14, 2014 4:55 PM
To:
Cc:
Subject: TLP Support Request

All,

I hope this finds you doing well.

I wanted to share two items with you today. First, we hope that you have had a chance to begin your review of the Preliminary Application Document (PAD) for the Parr Hydroelectric Project (FERC No. 1894) (Project). Please be sure to contact Kelly Miller if you have any questions on that document. We look forward to receiving your comments by August 29, 2014 (since August 31 is a Sunday) and resolving issues that you identify during your review for the final filing with FERC.

Second, as discussed during several of our stakeholder meetings (and in Section 2.0 of the PAD) SCE&G intends to request that FERC authorize us to use the Traditional Licensing Process (TLP) for the Project relicensing. As many of you are already aware, there are three distinct processes available to applicants when embarking on a hydroelectric project relicensing. The default process is known as the Integrated Licensing Process (ILP); however, the TLP and the Alternative Licensing Process (ALP) are options that may also be used for relicensing. Federal regulations state that FERC authorization is required for an applicant to employ a relicensing process other than the ILP.

When considering process selection, there are several aspects for each of the processes to keep in mind. The ILP and the TLP are the most frequently used relicensing processes. The ALP has been used infrequently since the development of the ILP, as it contains many of the same aspects of the ILP. The ILP is "front-loaded" and involves significant early consultation among the applicant, stakeholders and FERC and has stringent prescribed deadlines for process steps for agencies, NGO's and the applicant. Issues scoping by FERC, as required under the National Environmental Policy Act (NEPA), occurs prior to the filing of a License Application. Overall, the use of the ILP generally serves to intensify the schedule at the start of the process and set specific dates with regards to studies, filing comments, and filing of the application.

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draft application preparation, and; submittal of the final license application. Although there are several FERC deadlines that must be met during the pre-filing stage (and are related to the expiration date of the current license), SCE&G and the stakeholders would have greater flexibility in guiding the relicensing process to fit the needs of the Project. Moreover, this pre-filing flexibility would allow SCE&G and stakeholders to work towards the development of a Settlement Agreement for filing with the Project License Application.

FERC requires that any applicant requesting authorization to use the TLP additionally consider and address the following items, along with other factors believed by the applicant to be pertinent (18 C.F.R. § 5.3(c)(1)(ii)) :

- **Likelihood of timely license issuance:** SCE&G believes that using the TLP will provide stakeholders with manageable timeframes during pre-filing consultation and will also assist FERC in achieving its goal of issuing a timely license for the Project.
- **Complexity of the resource issues and the level of anticipated controversy:** Through extensive pre-PAD consultation, SCE&G has already identified areas where additional information is needed on the existing environment surrounding the Project and has begun the process of developing study plans and mechanisms for fulfilling study goals.
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To aid FERC in their approval of the TLP for the Project, we request that you (the state and federal resource agencies, NGO's and individuals that have been involved in pre-PAD consultation to date) provide me with a letter or email of support (or of no objection) from your organization (or yourself for an individual) in using the TLP for the Parr Hydro relicensing. This documentation will be included with SCE&G's TLP request to FERC that accompanies the Notice of Intent (NOI) and PAD. SCE&G plans to file the NOI and PAD in early January 2015. However, SCE&G will be

meeting with FERC in the Fall of 2014 to discuss the Project and the impending relicensing. Documentation of stakeholder TLP support, or no objection, would aid in these FERC discussions and set the stage for FERC to approve use of the TLP.

Given these timeframes, I request that if you are inclined to do so, please provide your letter of support to me by September 30, 2014. If you cannot send it to me by this date and still wish to provide your support for the TLP, please send your letter or email to me by the end of this year. I have attached to this email examples of TLP support letters provided for other relicensing projects.

I appreciate your participation and support of the pre-filing process. Please do not hesitate to contact me if you have any questions regarding this matter.

William R. Argentieri

South Carolina Electric & Gas Company
Mail Code A221
220 Operation Way
Cayce, SC 29033-3701

(Physical Address)
100 SCANA Pkwy
Building A, Floor 2
Cayce, SC 29033-3712

Phone - (803) 217-9162
Fax - (803) 933-7849
Cell - (803) 331-0179

From: [LeMaster, Elizabeth -FS](mailto:LeMaster.Elizabeth-FS)
To: BARGENTIERI@scana.com
Subject: RE: TLP Support Request Reminder
Date: Tuesday, October 21, 2014 6:44:38 PM

***This is an EXTERNAL email. Please do not click on a link or open any attachments unless you are confident it is from a trusted source.

No objections from the USFS.

From: ARGENTIERI, WILLIAM R [mailto:BARGENTIERI@scana.com]
Sent: Tuesday, October 21, 2014 9:42 AM
To: Frank_Henning@nps.gov; Bill Stangler (CRK@congareriverkeeper.org); Chad Altman (altmankc@dhec.sc.gov); cheetahrk@yahoo.com; Chris Johnston (JohnstonWC@gmail.com); Chuck Hightower (hightocw@dhec.sc.gov); David Eargle (eargleda@dhec.sc.gov); Gerrit Jobsis (gjobsis@americanrivers.org); Jim Glover (gloverjb@dhec.sc.gov); Jon Durham (jondurham@bellsouth.net); Ley, Amanda; Malcolm Leaphart (mwleapjr@att.net); Mel Jenkins (greenpalmetto@yahoo.com); Rusty Wenerick (weneriwr@dhec.sc.gov); Scott Castleberry (castlews@dhec.sc.gov); Wayne and Ginny Boland (wayneboland@bellsouth.net); Erich Miarka (erich.miarka@gillscreekwatershed.org); Jeff Carter (jmcarter00@sc.rr.com); Joe Wojcicki; Mark Davis (mdavis@scprt.com); Merrill McGregor (merrillm@sccl.org); William Hendrix (hendrixwb@dot.state.sc.us); Terri Hogan (terri_hogan@nps.gov); LeMaster, Elizabeth -FS
Cc: Henry Mealing; Alison Jakupca - KA; Kelly Miller
Subject: RE: TLP Support Request Reminder

All,

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Thank you,
Bill

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Sent: Thursday, August 14, 2014 4:55 PM
To:
Cc:
Subject: TLP Support Request

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Second, as discussed during several of our stakeholder meetings (and in Section 2.0 of the PAD) SCE&G intends to request that FERC authorize us to use the Traditional Licensing Process (TLP) for the Project relicensing. As many of you are already aware, there are three distinct processes available to applicants when embarking on a hydroelectric project relicensing. The default process is known as the Integrated Licensing Process (ILP); however, the TLP and the Alternative Licensing Process (ALP) are options that may also be used for relicensing. Federal regulations state that FERC authorization is required for an applicant to employ a relicensing process other than the ILP.

When considering process selection, there are several aspects for each of the processes to keep in mind. The ILP and the TLP are the most frequently used relicensing processes. The ALP has been used infrequently since the development of the ILP, as it contains many of the same aspects of the ILP. The ILP is "front-loaded" and involves significant early consultation among the applicant, stakeholders and FERC and has stringent prescribed deadlines for process steps for agencies, NGO's and the applicant. Issues scoping by FERC, as required under the National Environmental Policy Act (NEPA), occurs prior to the filing of a License Application. Overall, the use of the ILP generally serves to intensify the schedule at the start of the process and set specific dates with regards to studies, filing comments, and filing of the application.

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FERC requires that any applicant requesting authorization to use the TLP additionally consider and address the following items, along with other factors believed by the applicant to be pertinent (18 C.F.R. § 5.3(c)(1)(ii)) :

- **Likelihood of timely license issuance:** SCE&G believes that using the TLP

will provide stakeholders with manageable timeframes during pre-filing consultation and will also assist FERC in achieving its goal of issuing a timely license for the Project.

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To aid FERC in their approval of the TLP for the Project, we request that you (the state and federal resource agencies, NGO's and individuals that have been involved in pre-PAD consultation to date) provide me with a letter or email of support (or of no objection) from your organization (or yourself for an individual) in using the TLP for the Parr Hydro relicensing. This documentation will be included with SCE&G's TLP request to FERC that accompanies the Notice of Intent (NOI) and PAD. SCE&G plans to file the NOI and PAD in early January 2015. However, SCE&G will be meeting with FERC in the Fall of 2014 to discuss the Project and the impending relicensing. Documentation of stakeholder TLP support, or no objection, would aid in these FERC discussions and set the stage for FERC to approve use of the TLP.

Given these timeframes, I request that if you are inclined to do so, please provide your letter of support to me by September 30, 2014. If you cannot send it to me by this date and still wish to provide your support for the TLP, please send your letter or email to me by the end of this year. I have attached to this email examples of TLP support letters provided for other relicensing projects.

I appreciate your participation and support of the pre-filing process. Please do not hesitate to contact me if you have any questions regarding this matter.

William R. Argentieri

South Carolina Electric & Gas Company
Mail Code A221
220 Operation Way
Cayce, SC 29033-3701

(Physical Address)
100 SCANA Pkwy
Building A, Floor 2
Cayce, SC 29033-3712

Phone - (803) 217-9162
Fax - (803) 933-7849
Cell - (803) 331-0179

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From: [Johnson, Elizabeth](mailto:Johnson.Elizabeth@scana.com)
To: BARGENTIERI@scana.com
Subject: RE: TLP Support Request
Date: Wednesday, August 27, 2014 8:13:27 AM

*****This is an EXTERNAL email. Please do not click on a link or open any attachments unless you are confident it is from a trusted source.**

Bill:

The SC State Historic Preservation does not have any objections to SCE&G using the Traditional Licensing Process for the Parr Hydroelectric Process (FERC No. 1894).

Thanks for keeping us informed about the process and please let me know if you have any questions.

Best wishes,

Elizabeth

Elizabeth M. Johnson
State Historic Preservation Office
SC Department of Archives and History
8301 Parklane Road, Columbia, SC 29223
ph: 803-896-6168 fax: 803-896-6167
email: emjohnson@scdah.state.sc.us web: <http://shpo.sc.gov>

To sign up to receive our monthly newsletter, [News and Notes from the State Historic Preservation Office](#), please send me an email with your name and organizational affiliation, with News and Notes in the subject line.

From: ARGENTIERI, WILLIAM R [<mailto:BARGENTIERI@scana.com>]

Sent: Thursday, August 14, 2014 4:55 PM

To: Johnson, Elizabeth; Frank_Henning@nps.gov; Bill Marshall (marshallb@dnr.sc.gov); Bill Stangler (CRK@congareeriverkeeper.org); Byron Hamstead (Byron_hamstead@fws.gov); Chad Altman (altmankc@dhec.sc.gov); Charlene Coleman (cheetahtk@yahoo.com); Chris Johnston (JohnstonWC@gmail.com); Chuck Hightower (hightocw@dhec.sc.gov); David Eargle (eargleda@dhec.sc.gov); Dick Christie (christied@dnr.sc.gov); Fritz Rohde (Fritz.Rohde@noaa.gov); Gerrit Jobsis (gjobsis@americanrivers.org); Hal Beard (BeardH@dnr.sc.gov); Jaclyn Daly (Jaclyn.Daly@noaa.gov); Jim Glover (gloverjb@dhec.sc.gov); Jon Durham (jondurham@bellsouth.net); Ley, Amanda; Malcolm Leaphart (mwleapjr@att.net); Mark Caldwell (mark_caldwell@fws.gov); Mel Jenkins (greenpalmetto@yahoo.com); Pace Wilber (Pace.Wilber@noaa.gov); Ron Ahle; Rusty Wenerick (weneriwr@dhec.sc.gov); Sam Stokes (stokess@dnr.sc.gov); Scott Castleberry (castlews@dhec.sc.gov); Scott Harder; Tom McCoy (thomas_mccoy@fws.gov); 'Vivianne Vejdani'; Wayne and Ginny Boland (wayneboland@bellsouth.net); Erich Miarka (erich.miarka@gillscreekwatershed.org); Jeff Carter (jmcarter00@sc.rr.com); Joe Wojcicki; John Fantry (jfantry@bellsouth.net); Mark Davis

(mdavis@scprt.com); Merrill McGregor (merrillm@scccl.org); Robert Stroud (StroudR@dnr.sc.gov); William Hendrix (hendrixwb@dot.state.sc.us); Dick Christie (dchristie@comporium.net); Terri Hogan (terri_hogan@nps.gov); Elizabeth LeMaster
Cc: Kelly Miller; Alison Jakupca; Henry Mealing; LANDRETH, JAMES M
Subject: TLP Support Request

All,

I hope this finds you doing well.

I wanted to share two items with you today. First, we hope that you have had a chance to begin your review of the Preliminary Application Document (PAD) for the Parr Hydroelectric Project (FERC No. 1894) (Project). Please be sure to contact Kelly Miller if you have any questions on that document. We look forward to receiving your comments by August 29, 2014 (since August 31 is a Sunday) and resolving issues that you identify during your review for the final filing with FERC.

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send your letter or email to me by the end of this year. I have attached to this email examples of TLP support letters provided for other relicensing projects.

I appreciate your participation and support of the pre-filing process. Please do not hesitate to contact me if you have any questions regarding this matter.

William R. Argentieri

South Carolina Electric & Gas Company
Mail Code A221
220 Operation Way
Cayce, SC 29033-3701

(Physical Address)
100 SCANA Pkwy
Building A, Floor 2
Cayce, SC 29033-3712

Phone - (803) 217-9162
Fax - (803) 933-7849
Cell - (803) 331-0179



TOWN HALL-1830

TOWN OF WINNSBORO

207 North Congress Street • P.O. Box 209 • Winnsboro, S.C. 29180

Telephone: (803) 635-4041 • Fax No: (803) 635-3697

August 27, 2014

William R. Argentieri
South Carolina Electric & Gas Company
Mail Code A221
220 Operation Way
Cayce, SC 29033-3701

Re: Parr Hydro Electric Project
FERC Project: 1894

Dear Mr. Argentieri:

On behalf of The Town of Winnsboro, as a stake-holder in the development of SCE&G's Pre-Application Document (PAD), for re-licensing the Parr Hydro Electric Project [FERC Project: 1894], I write today to acknowledge Winnsboro's support for SCE&G's request that FERC use the "Traditional" FERC re-licensing process [TLP] for the Parr Hydro Electric Project on the Broad River.

Our Town appreciates the cooperation and support that SCE&G has given our town and county as a corporate citizen over the years and invites you to use this letter of support in any manner that will aid SCE&G in its re-licensing efforts.

Yours truly,

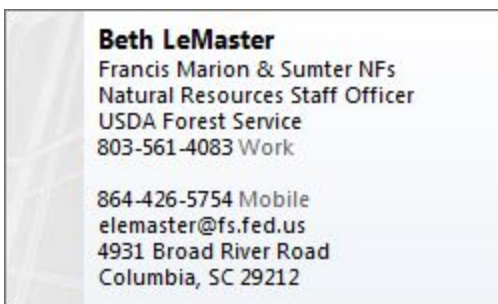
Roger Gaddy, Mayor

USFS CONSULTATION

From: [LeMaster, Elizabeth -FS](#)
To: [Kelly Miller](#)
Cc: [Riley, Jeanne -FS](#)
Subject: RE: Parr PAD reminder
Date: Thursday, August 28, 2014 9:23:04 AM
Attachments: [Beth LeMaster.vcf](#)

Kelly, it doesn't appear that this project directly affects any major are of the Sumter NF. Based on the expertise involved from other federal and state agencies, we will not have any additional comments on the project. If you feel there is a section we should review or focus on, please advise us.

Thanks, Beth



From: Kelly Miller [mailto:Kelly.Miller@KleinschmidtGroup.com]
Sent: Wednesday, August 27, 2014 8:37 AM
To: (msgentry@columbiasc.net); Alison Jakupca; BARGENTIERI@scana.com; Bill Marshall (marshallb@dnr.sc.gov); Bill Stangler (CRK@congareriverkeeper.org); Bob Perry; Bret Hoffman; btrump@scana.com; Byron Hamstead (Byron_hamstead@fws.gov); Cathy Tortorici (Cathy.tortorici@noaa.gov); Chad Altman (altmankc@dhec.sc.gov); cheetahrk@yahoo.com; Chris Johnston (JohnstonWC@gmail.com); Chuck Hightower (hightocw@dhec.sc.gov); David Eargle (eargleda@dhec.sc.gov); Dick Christie (christied@dnr.sc.gov); Elizabeth Johnson (emjohnson@scdah.state.sc.us); LeMaster, Elizabeth -FS; Erich Miarka (erich.miarka@gillscreekwatershed.org); Frank_Henning@nps.gov; Fritz Rohde (Fritz.Rohde@noaa.gov); Gerrit Jobsis (gjobsis@americanrivers.org); Hal Beard (BeardH@dnr.sc.gov); Henry Mealing; J. Hagood Hamilton Jr. (jhamilton@scana.com); Jaclyn Daly (Jaclyn.Daly@noaa.gov); Jay Maher; Jim Glover (gloverjb@dhec.sc.gov); Joe Wojcicki; John Fantry (jfantry@bellsouth.net); John Grego (jrgrego@pop.mindspring.com); Jon Durham (jondurham@bellsouth.net); Kamau Marcharia (marcharia@aol.com); Karla Reece (Karla.Reece@noaa.gov); Kelly Miller; Kerry Castle (castlek@dnr.sc.gov); Larry Newton (LNewton@sc.rr.com); Malcolm Leaphart (mwleapjr@att.net); Mark Caldwell (mark_caldwell@fws.gov); Mark_A_Cantrell@fws.gov; Mark Davis (mdavis@scprt.com); Mel Jenkins (greenpalmetto@yahoo.com); Merrill McGregor (merrillm@sccl.org); Mike Mastry (Mike.Mastry@noaa.gov); Mike McSwain (mcswain@comcast.net); Pace Wilber (Pace.Wilber@noaa.gov); Phil Gaines (pgaines@scprt.com); QUATTLEBAUM, MILTON; rammarell@scana.com; Randy Mahan (randolph.mahan@scana.com); randy mahan (rmahan@sc.rr.com); Robert Stroud (StroudR@dnr.sc.gov); Ron Ahle; Rusty Wenerick (weneriwr@dhec.sc.gov); Sam Stokes (stokess@dnr.sc.gov); Scott Castleberry (castlews@dhec.sc.gov); Scott Collins (secollins@scana.com); Scott Harder; Shane Boring; 'Sherer, Jonathan'; Steve Summer; SUMMER, MICHAEL C; tboozr@scana.com; Theresa Powers; Tom McCoy (thomas_mccoy@fws.gov); 'Vivianne Vejdani'; Wayne and Ginny Boland (wayneboland@bellsouth.net); William Hendrix (hendrixwb@dot.state.sc.us)
Subject: Parr PAD reminder

Good morning!

This is a reminder that any comments or edits on the draft PAD for the Parr Relicensing Project are due by August 31st.

Thanks!

Kelly

Kelly Miller

Regulatory Coordinator

Kleinschmidt

Office: 803.462.5633

www.KleinschmidtGroup.com

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USFWS CONSULTATION

From: [Thomas McCoy](#)
To: [Alan Stuart](#); [Kelly Miller](#)
Cc: [Dick Christie](#); MarshallB@dnr.sc.gov
Subject: Broad River Spiny Crayfish Information and Historical Report
Date: Monday, June 10, 2013 7:47:07 AM
Attachments: [19900101_rpt_Clemson_Eversole_Cambarus_spicatus_Distocambarus_youngineri_Procambarus_echinatus.pdf](#)
[BroadRiverspinycrayfish11.pdf](#)
[Cambarus_spicatus.docx](#)

Hi Alan and Kelly,

Attached are the Broad River Spiny Crayfish Information and Historical Report. It looks like the crayfish occur in the Little and Tyger Rivers and its tributaries. We should conduct a crayfish survey for this species based on this report. The Newberry burrowing crayfish only occurs in the Saluda River, so we do not need this one.

Thank you for your help.
Please let me know if I can provide any further assistance.

Tom

Tom McCoy, Deputy Field Supervisor
U.S. Fish and Wildlife Service – Department of the Interior
South Carolina Ecological Services Field Office
176 Croghan Spur Road, Suite 200
Charleston, South Carolina 29407
Main Phone Line: 843.727.4707 Direct Phone Line: 843.300.0431
Fax: 843.300.0204
E-mail: thomas_mccoy@fws.gov

From: [Hamstead, Byron](#)
To: [Kelly Miller](#)
Cc: [Thomas McCoy](#)
Subject: Hamstead Comments on Parr baseline water quality
Date: Wednesday, September 11, 2013 12:02:43 PM
Attachments: [20130911_ltr_USFWS-KA_P-1894_Parr_comments_on_baseline_water_quality_data.pdf](#)

Hi Kelly,

Attached are my comments regarding the baseline water quality data for the Parr project. Please let me know if you have any questions.

Many thanks,

Byron Hamstead
Fish and Wildlife Biologist
USFWS Charleston Field Office
176 Croghan Spur Rd., Suite 200
Charleston, SC, 29407

843-727-4707 ext. 205

From: [Hamstead, Byron](#)
To: [Kelly Miller](#)
Subject: Re: Action Items from today's meeting
Date: Wednesday, October 23, 2013 12:50:25 PM
Attachments: [Parr_Monticello_BAEA_Map.pdf](#)
[20131023_FWS_Parr-Monticello Bald Eagle Nest Locations.xlsx](#)

Hi Kelly,

Attached are Bald Eagle nest locations and map.

Regarding the Monticello Mussel Study Plan, we want to make sure that the surveying malacologist will have sufficient knowledge and appropriate permits to conduct the study. After learning that the lead malacologist will likely be John Alderman or someone from the Catena Group, we are confident that the survey team will be qualified and have the necessary credentials.

On Tue, Oct 22, 2013 at 5:08 PM, Kelly Miller <Kelly.Miller@kleinschmidtusa.com> wrote:

Byron,

As promised, below are two action items for you from our meeting today.

- Send Kelly the Bald Eagle nest location information electronically.
- Byron will speak with Tom McCoy to clarify his comments on the Monticello Mussel Study Plan, regarding the "qualified malacologist" wording in the study plan.

Thanks!

Kelly

Kelly Miller

Regulatory Coordinator

Kleinschmidt

Office: 803.462.5633

www.KleinschmidtUSA.com

Thanks,

Byron Hamstead
Fish and Wildlife Biologist
USFWS Charleston Field Office
176 Croghan Spur Rd., Suite 200
Charleston, SC, 29407

843-727-4707 ext. 205

From: [Hamstead, Byron](#)
To: [Kelly Miller](#)
Cc: [Alison Jakupca](#); [BARGENTIERI@scana.com](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congaareeriverkeeper.org\)](#); [Chad Altman \(altmankc@dhec.sc.gov\)](#); [Dick Christie \(christied@dnr.sc.gov\)](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Hal Beard \(BeardH@dnr.sc.gov\)](#); [Henry Mealing](#); [Jay Maher](#); [Jim Glover \(gloverjb@dhec.sc.gov\)](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#); [QUATTLEBAUM, MILTON](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Robert Stroud \(StroudR@dnr.sc.gov\)](#); [Ron Ahle](#); [Sam Stokes \(stokess@dnr.sc.gov\)](#); [Shane Boring](#); [Steve Summer](#); [Tom McCoy \(thomas_mccoy@fws.gov\)](#); [Vivianne Vejdani](#)
Subject: Re: draft Fisheries TWC meeting notes - 04/01/14
Date: Thursday, May 01, 2014 2:19:09 PM
Attachments: [draft_040114_Fisheries_TWC_notes \(USFWS\).doc](#)

Hi All,

Attached are edits clarifying USFWS comments at the last Fisheries TWC meeting notes.

Regarding comments/edit from American Rivers, the Service also recognizes that this study would provide information about project's impact on navigation. According to the meeting notes, I understand that navigation criteria will be identified in the Recreation Use and Needs Study. The Service is not on the Recreation TWC, so I am not sure if/when these criteria have been/will be established. Please let me know, since this will be relevant for locating priority areas and transects for this study in the future.

I recall a proposal to send out plan objectives for TWC approval before the next draft plan(s) are distributed for review. I thought that was a great idea, but I don't see it as an action item.

Henry, maybe you can weigh in on this?

Thanks,
Byron

Byron Hamstead
Fish and Wildlife Biologist
USFWS Charleston Field Office
176 Croghan Spur Rd., Suite 200
Charleston, SC, 29407

843-727-4707 ext. 205

On Fri, Apr 18, 2014 at 10:27 AM, Kelly Miller <Kelly.Miller@kleinschmidtusa.com> wrote:

All,

Attached are the meeting notes from the Fisheries TWC meeting held on Tuesday, April 1st. Please review and have any comments or edits back to me by Friday, May 2nd.

Thanks,

Kelly

Kelly Miller

Regulatory Coordinator

Kleinschmidt

Office: 803.462.5633

www.KleinschmidtGroup.com

From: [Thomas McCoy](#)
To: [Kelly Miller](#)
Cc: [Byron Hamstead](#)
Subject: RE: draft Monticello Mussel Study Plan for review
Date: Friday, October 18, 2013 7:26:13 AM

Hi Kelly,

Below are a few comments from the U.S. Fish and Wildlife Service for you to consider, regarding the Monticello mussel study plan.

1. Provide GPS Point Locations for areas surveyed
2. Could you get water quality parameters (conductivity, pH, temperature, and DO) at the point locations throughout the lake?
3. Qualifications on who you would contract out to do the malacologist work

Thank you for allowing us to provide comments.
Please let me know if I can provide any further assistance.

Tom

From: Kelly Miller [<mailto:Kelly.Miller@KleinschmidtUSA.com>]
Sent: Friday, October 04, 2013 11:56 AM
To: Alison Jakupca; BARGENTIERI@scana.com; Bill Marshall (marshallb@dnr.sc.gov); Bill Stangler (CRK@congariverkeeper.org); Byron Hamstead (Byron_hamstead@fws.gov); Chad Altman (altmankc@dhec.sc.gov); David Eargle (eargleda@dhec.sc.gov); Gerrit Jobsis (gjobsis@americanrivers.org); Henry Mealing; Jay Maher; Jim Glover (gloverjb@dhec.sc.gov); Karla Reece (Karla.Reece@noaa.gov); Kelly Miller; QUATTLEBAUM, MILTON; rammarell@scana.com; Randy Mahan (randolph.mahan@scana.com); Sam Stokes (stokess@dnr.sc.gov); Scott Castleberry (castlews@dhec.sc.gov); Shane Boring; Steve Summer; Tom McCoy (thomas_mccoy@fws.gov); 'Vivianne Vejdani'
Subject: draft Monticello Mussel Study Plan for review

All,

Attached is the draft Monticello Mussel Study Plan. Please review this document and have any comments or edits back to me by Friday, October 18th. We will discuss this study plan at the upcoming RT&E TWC meeting, scheduled for Tuesday, October 22nd.

Thanks,
Kelly

Kelly Miller
Regulatory Coordinator

Office: 803.462.5633
www.KleinschmidtUSA.com

From: [Hamstead, Byron](#)
To: [Kelly Miller](#)
Cc: [BARGENTIERI@scana.com](#); [Elizabeth Johnson \(emjohnson@scdah.state.sc.us\)](#); [Frank_Henning@nps.gov](#); [QUATTLEBAUM, MILTON](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy.mahan \(rmahan@sc.rr.com\)](#); [Steve Summer](#); [tboozier@scana.com](#); [Alison Jakupca](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [Chad Altman \(altmankc@dhec.sc.gov\)](#); [Charlene Coleman \(cheetahtrk@yahoo.com\)](#); [Chris Johnston \(JohnstonWC@gmail.com\)](#); [Chuck Hightower \(hightocw@dhec.sc.gov\)](#); [David Eargle \(eargleda@dhec.sc.gov\)](#); [Dick Christie \(christied@dnr.sc.gov\)](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Hal Beard \(BeardH@dnr.sc.gov\)](#); [Henry Mealing](#); [J. Hagood Hamilton Jr. \(jhamilton@scana.com\)](#); [Jaclyn Daly \(Jaclyn.Daly@noaa.gov\)](#); [Jay Maher](#); [Jim Glover \(gloverjb@dhec.sc.gov\)](#); [Jon Durham \(jondurham@bellsouth.net\)](#); [Ley, Amanda](#); [Malcolm Leaphart \(mwleapjr@att.net\)](#); [Mark Caldwell \(mark_caldwell@fws.gov\)](#); [Mel Jenkins \(greenpalmetto@yahoo.com\)](#); [Pace Wilber \(Pace.Wilber@noaa.gov\)](#); [Ron Ahle](#); [Rusty Wenerick \(weneriwr@dhec.sc.gov\)](#); [Sam Stokes \(stokess@dnr.sc.gov\)](#); [Scott Castleberry \(castlews@dhec.sc.gov\)](#); [Scott Harder](#); [Shane Boring](#); [Tom McCoy \(thomas_mccoy@fws.gov\)](#); [Vivianne Vejdani](#); [Wayne and Ginny Boland \(wayneboland@bellsouth.net\)](#); [btrump@scana.com](#); [David Haddon \(dhaddon@scana.com\)](#); [Erich Miarka \(erich.miarka@gillscreekwatershed.org\)](#); [Jeff Carter \(jmcarter00@sc.rr.com\)](#); [Joe Wojcicki](#); [John Fantry \(jfantry@bellsouth.net\)](#); [Mark Davis \(mdavis@scprt.com\)](#); [Merrill McGregor \(merrillm@sccl.org\)](#); [rammarell@scana.com](#); [Robert Stroud \(StroudR@dnr.sc.gov\)](#); [Scott Collins \(secollins@scana.com\)](#); [William Hendrix \(hendrixwb@dot.state.sc.us\)](#); [Bret Hoffman](#); [Bruce Halverson](#); [Dick Christie \(dchristie@comporium.net\)](#); [Terri Hogan \(terri_hogan@nps.gov\)](#)
Subject: Re: draft Parr Hydroelectric Project PAD
Date: Friday, August 29, 2014 7:28:55 PM
Attachments: [20140829_USFWS Comments on draft Parr PAD.docx](#)

Hi Kelly,

The Fish and Wildlife Service appreciates the opportunity to provide the attached comments on the draft PAD for the Parr Project. Please contact me if you have any questions. Have a safe holiday weekend.

Thanks,
Byron

Byron Hamstead
Fish and Wildlife Biologist
USFWS Charleston Field Office
176 Croghan Spur Rd., Suite 200
Charleston, SC, 29407

843-727-4707 ext. 205

This email correspondence and any attachments to and from this sender is subject to the Freedom of Information Act and may be disclosed to third parties.

On Mon, Jul 28, 2014 at 3:54 PM, Kelly Miller <Kelly.Miller@kleinschmidtgroup.com> wrote:

Good afternoon all!

Attached is the draft Parr Hydroelectric Project Pre-Application Document (PAD). Please review and have any comments or edits to me by August 31st. Please note that the appendices will be included with the final document.

Thanks,

Kelly

Kelly Miller

Regulatory Coordinator

Kleinschmidt

Office: 803.462.5633

www.KleinschmidtGroup.com

From: [Hamstead, Byron](#)
To: [Kelly Miller](#)
Cc: [Alison Jakupca](#); [BARGENTIERI@scana.com](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [Brandon Kulik](#); [Chad Altman \(altmankc@dhec.sc.gov\)](#); [Dick Christie \(dchristie@comporium.net\)](#); [Frank Henning@nps.gov](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Henry Mealing](#); [Jay Maher](#); [Jim Glover \(gloverjb@dhec.sc.gov\)](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#); [Kerry Castle \(castlek@dnr.sc.gov\)](#); [Ley, Amanda](#); [Pace Wilber \(Pace.Wilber@noaa.gov\)](#); [QUATTLEBAUM, MILTON](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [Ron Ahle](#); [Rusty Wenerick \(weneriwr@dhec.sc.gov\)](#); [Scott Harder](#); [Shane Boring](#); [Steve Summer](#); [Tom McCoy \(thomas_mccoy@fws.gov\)](#); [Vivianne Vejdani](#)
Subject: Re: draft Parr/FF IFIM Study Plan for review
Date: Thursday, November 14, 2013 8:52:34 AM
Attachments: [20131114Parr_FF_IFIM_study_plan_Hamstead_comments.docx](#)

Kelly,

I came into this committee a bit late in the game, but I appreciate the opportunity to comment before transect data is collected in 2015. I propose that we include mussels and crayfish as target taxa for this study. Please see the attached comments.

Thank you,
Byron

Byron Hamstead
Fish and Wildlife Biologist
USFWS Charleston Field Office
176 Croghan Spur Rd., Suite 200
Charleston, SC, 29407

843-727-4707 ext. 205

On Fri, Oct 11, 2013 at 3:58 PM, Kelly Miller <Kelly.Miller@kleinschmidtusa.com> wrote:

All,

Attached is the draft Parr/FF IFIM Study Plan and Appendices. Please review and have any comments or edits back to me by Friday, November 15th. We will be discussing this study plan at an Instream Flows TWC meeting to be scheduled in January 2014.

Thanks,

Kelly

Kelly Miller

Regulatory Coordinator

Kleinschmidt

Office: 803.462.5633

www.KleinschmidtUSA.com

From: [Hamstead, Byron](#)
To: [Kelly Miller](#)
Cc: [Alison Jakupca](#); [BARGENTIERI@scana.com](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [Bret Hoffman](#); [Bruce Halverson](#); [Dick Christie \(christied@dnr.sc.gov\)](#); [Frank Henning@nps.gov](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Henry Mealing](#); [J. Hagood Hamilton Jr. \(jhamilton@scana.com\)](#); [Jay Maher](#); [Joe Wojcicki](#); [Malcolm Leaphart \(mwleapjr@att.net\)](#); [Pace Wilber \(Pace.Wilber@noaa.gov\)](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Scott Harder](#); [Steve Summer](#); [Terri Hogan \(terri_hogan@nps.gov\)](#); [Tom McCoy \(thomas_mccoy@fws.gov\)](#); [Vivianne Vejdani](#); [Wayne and Ginny Boland \(wayneboland@bellsouth.net\)](#)
Subject: Re: Inflow Dataset Development: Statistical Methodology
Date: Tuesday, May 27, 2014 2:22:24 PM
Attachments: [001 Parr Reservoir Inflow Data Development USFWS Comments 05_27_2014.docx](#)

Hi Kelly,

Please see attached for the USFWS's comments/questions in track changes regarding the Parr inflow dataset statistical methodology.

Thank you,
Byron

Byron Hamstead
Fish and Wildlife Biologist
USFWS Charleston Field Office
176 Croghan Spur Rd., Suite 200
Charleston, SC, 29407

843-727-4707 ext. 205

On Tue, May 13, 2014 at 3:18 PM, Kelly Miller
<Kelly.Miller@kleinschmidtgroup.com> wrote:

All,

Please find attached for your review and comment the statistical methodology for the development of the Parr inflow dataset. We will finalize the dataset after receiving comments, and provide sufficient detail in the model development report such that the dataset can be replicated.

Please submit any comments or questions by Tuesday, May 27th.

Thanks,
Kelly

Kelly Miller

Regulatory Coordinator

Kleinschmidt

Office: 803.462.5633

www.KleinschmidtGroup.com

From: [Thomas McCoy](#)
To: [Kelly Miller](#)
Cc: [Byron Hamstead](#)
Subject: RE: Study Plans for Review (Rocky Shoals Spider Lily and Spiny Crayfish Study Plans)
Date: Friday, October 18, 2013 11:46:46 AM

Hi Kelly,

Below are the comments from the U.S. Fish and Wildlife Service, regarding the Rocky Shoals Spider Lily and Spiny Crayfish Study Plans.

Rocky Shoals Spider Lily Study Plan: Not sure if we need to provide the GPS point locations data for the public to see (if posted on the Web site). Please ask SCDNR if they agree. If they do not, we are okay – just a suggestion.

Spiny Crayfish Study Plan: Are there other spiny crayfish species within the area that make it difficult to id?

Weekly monitoring seems infrequent to us, but I understand that this is standard practice. Benefits of fishing traps over one night include a reduction in bycatch and mortality of fish, herps, and other crayfish, and a higher probability of gear retrieval with negligible negative impact on target crayfish catch success. Since most of these guys are nocturnal, setting traps in the afternoon and recovering them in the morning is preferred. If frequent monitoring of traps is not feasible, we suggest using punctured wet cat food cans as bait as they seem to have a longer retention time than exposed baits like herring. We recommend using minnow traps with 1" opercula to prevent bycatch. We recommend more survey sites and more traps put out in large woody debris (e.g. areas influenced by flash-flooding)? Could you get water quality parameters at the sites?

Please let me know if I can provide any further assistance.

Tom

From: Kelly Miller [mailto:Kelly.Miller@KleinschmidtUSA.com]
Sent: Friday, September 06, 2013 4:56 PM
To: Henry Mealing; Alison Jakupca; BARGENTIERI@scana.com; Bill Marshall (marshallb@dnr.sc.gov); Bill Stangler (CRK@congareriverkeeper.org); Byron Hamstead (Byron_hamstead@fws.gov); Chad Altman (altmank@dhec.sc.gov); David Eargle (eargleda@dhec.sc.gov); Gerrit Jobsis (gjobsis@americanrivers.org); Henry Mealing; Jay Maher; Jim Glover (gloverjb@dhec.sc.gov); Karla Reece (Karla.Reece@noaa.gov); Kelly Miller; QUATTLEBAUM, MILTON; rammarell@scana.com; Randy Mahan (randolph.mahan@scana.com); Sam Stokes (stokess@dnr.sc.gov); Scott Castleberry (castlews@dhec.sc.gov); Shane Boring; Steve Summer; Tom McCoy (thomas_mccoy@fws.gov); 'Vivianne Vejdani'
Subject: Study Plans for Review

All,

Attached are the Rocky Shoals Spider Lily Study Plan and Spiny Crayfish Study Plan. Please review these documents and have any comments or edits back to me by Friday, October 4th. We will discuss these plans at the next RT&E TWC meeting, which will be scheduled for sometime in November.

Thanks,
Kelly

Kelly Miller
Regulatory Coordinator

Kleinschmidt

Office: 803.462.5633

www.KleinschmidtUSA.com

From: [Henry Mealing](#)
To: [Hamstead, Byron](#)
Cc: BARGENTIERI@scana.com; [Kelly Miller](#); [Alison Jakupca](#)
Subject: RE: Water Quality TWC Meeting - Doodle Poll
Date: Monday, June 23, 2014 10:41:50 AM

Byron,

Just to give you a heads up. Kelly will have a CD copy of the WQ database available at the meeting for you and others that would like the USGS Data. We do not have Unit Operation data available for the time period, but expect that Bill A. or Ray A. may be able to give us some understanding on unit operation that would yield a specific flow. Also, we will have the database available for searching at the meeting, so let us know if you have a list of specific dates that we should look at during the meeting. The database is pretty much set up with Date/Time/DO/Flow – so we can pretty easily pull up any sets of data you want to look at.

Also, we had not planned to prepare a detailed Study Plan for collecting DO data and verifying the USGS gage. The last couple of paragraphs are what we planned to use as a basis for data collection. Our goal is to verify the data being collected by the USGS gage and based on that we will move to the next spot. If the gage is incorrect, we will work with USGS to modify the gage to get it corrected. If the data is accurate, then we will take the next step to figure out why we are getting sporadic low DO readings.

Henry

From: Hamstead, Byron [mailto:byron_hamstead@fws.gov]
Sent: Monday, June 23, 2014 7:00 AM
To: Kelly Miller
Cc: Alison Jakupca; BARGENTIERI@scana.com; Bill Marshall (marshallb@dnr.sc.gov); Bill Stangler (CRK@congareriverkeeper.org); Chad Altman (altmankc@dhec.sc.gov); David Eargle (eargleda@dhec.sc.gov); Gerrit Jobsis (gjobsis@americanrivers.org); Henry Mealing; Jaclyn Daly (Jaclyn.Daly@noaa.gov); Jay Maher; Jim Glover (gloverjb@dhec.sc.gov); Kerry Castle (castlek@dnr.sc.gov); Ley, Amanda; Malcolm Leaphart (mwleapjr@att.net); QUATTLEBAUM, MILTON; Randy Mahan (randolph.mahan@scana.com); randy mahan (rmahan@sc.rr.com); Ron Ahle; Rusty Wenerick (weneriwr@dhec.sc.gov); Scott Castleberry (castlews@dhec.sc.gov); Shane Boring; Steve Summer; Tom McCoy (thomas_mccoy@fws.gov); Vivianne Vejdani
Subject: Re: Water Quality TWC Meeting - Doodle Poll

Hi Kelly,

The US Fish and Wildlife Service submits the following comments and requests pertaining to the Parr Shoals Water Quality Report addendum for discussion at the next TWC meeting:

1) 1) In our meeting on February 4, 2014, the TWC agreed to detect potential project effects using water quality data from USGS gages from above and below the Project, as well as from the Enoree and Tyger Rivers. The June 2014 addendum states that hourly readings for flow, temperature, and DO were plotted for the gages at/near Carlisle, Whitmire, Delta, and Alston (discharge only). While these data were not included in the document, the addendum stated that they are available to the TWC upon request. The Service would like a copy of these plots and raw data to make comparisons that may show a project effect. If these plots are readily available, it may be useful to present them to the TWC for discussion at the next

meeting.

2) 2) I agree that declining flows and diel respiration patterns likely account for much of the variability in the DO data. However, the figures show that DO is somewhat independent from discharge (*e.g.* July 18-21 2010 vs. July 18-30 2008). Representative excerpts shown in Tables 1-4 only show four excursions below 4mg/L. It may be useful to show the flow, Temperature, and time of day for all deviations <4mg/L to better identify their cause(s). Moreover, overlaying these excursions with hourly unit generation, may better inform project operation required to maintain DO >4mg/L.

3) 3) I agree that possible backflow or stagnation at the Jenkinsville gage would be problematic. The Service supports the collection of additional DO data along the powerhouse to compare with the gage. Collecting discharge data at each DO sample and targeting/scheduling low flow events may better explain the relationship between discharge and DO below the powerhouse. The Service would appreciate the opportunity to review details of such a study.

The Service appreciates the opportunity to participate in the review of this addendum.

Thank you,
Byron Hamstead

Byron Hamstead
Fish and Wildlife Biologist
USFWS Charleston Field Office
176 Croghan Spur Rd., Suite 200
Charleston, SC, 29407

843-727-4707 ext. 205

On Tue, Jun 10, 2014 at 9:57 AM, Kelly Miller <Kelly.Miller@kleinschmidtgroup.com> wrote:

Good morning all!

In order to best accommodate everyone's schedules for the next Water Quality TWC meeting, please follow the doodle link below and indicate which day is most convenient for you to meet. After the poll is closed, I will send out a final meeting date.

<http://doodle.com/rnndd3zq4p5enz39>

This will be a half day meeting at which we will discuss the attached Water Quality Report Addendum. This addendum was developed based on discussion from the February 4th Water Quality TWC meeting. We encourage you to submit any comments or edits you may have on the addendum via email prior to the meeting.

Thanks,
Kelly

Kelly Miller
Regulatory Coordinator

Kleinschmidt

Office: 803.462.5633

www.KleinschmidtGroup.com

From: [Kelly Miller](#)
To: [Alison Jakupca](#); [BARGENTIERI@scana.com](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congareeriverkeeper.org\)](#); [BRESNAHAN, AMY](#); [Byron Hamstead \(Byron_hamstead@fws.gov\)](#); [Chad Altman \(altmankc@dhec.sc.gov\)](#); [David Eargle \(eargleda@dhec.sc.gov\)](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Greg Mixon \(mixong@dnr.sc.gov\)](#); [Henry Mealing](#); [Jay Maher](#); [Jim Glover \(gloverjb@dhec.sc.gov\)](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#); [Kelly Miller](#); [QUATTLEBAUM, MILTON](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Sam Stokes \(stokess@dnr.sc.gov\)](#); [Scott Castleberry \(castlews@dhec.sc.gov\)](#); [Shane Boring](#); [Steve Summer](#); [Tom McCoy \(thomas_mccoy@fws.gov\)](#)
Subject: revised Spiny Crayfish Study Plan
Date: Monday, September 22, 2014 9:12:47 AM
Attachments: [003-Final Spiny Crayfish Study Plan_092214a.pdf](#)

All,

On July 23rd, USFWS, SCE&G and Kleinschmidt met to select collection sites for the Broad River Spiny Crayfish Study. The notes from that outing were appended to the Broad River Spiny Crayfish Study Plan and the revised study plan is attached to this email.

Thanks,

Kelly

Kelly Miller
Regulatory Coordinator

Kleinschmidt

Office: 803.462.5633

www.KleinschmidtGroup.com

From: [Hamstead, Byron](#)
To: [Kelly Miller](#)
Cc: [Thomas McCoy](#)
Subject: USFWS Comments on Parr Shoals Baseline Fisheries Report
Date: Monday, August 26, 2013 4:09:03 PM
Attachments: [08_26_2013_Comments_on_Parr_Shoals_Baseline_Fisheries.docx](#)

Hi Kelly,

The US Fish and Wildlife Service provides the following comments on the baseline fisheries report for Parr Shoals. (See attached)

Thanks,

Byron Hamstead
Fish and Wildlife Biologist
USFWS Charleston Field Office
176 Croghan Spur Rd., Suite 200
Charleston, SC, 29407

843-727-4707 ext. 205

AFFIDAVITS

THE STATE MEDIA CO., INC.
Columbia, South Carolina
publisher of

The State

STATE OF SOUTH CAROLINA
COUNTY OF RICHLAND

Personally appeared before me, Emily Fernandez, Sales Operations Manager
of THE STATE, and makes oath that the advertisement,

SCE&G Parr Hydro Re-licensing ads

was inserted in THE STATE, a daily newspaper of general circulation published in
the City of Columbia, State and County aforesaid, in the issue(s) of

January 6, 2013, January 13, 2013, January 20, 2013, and January 27, 2013

Emily Fernandez

Subscribed and sworn to before me

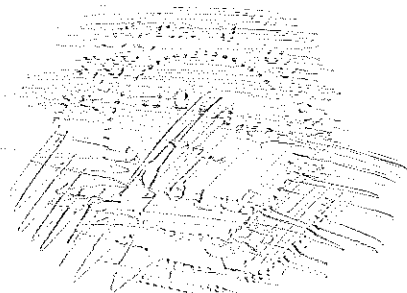
on this day March 18, 2013

Rebecca J. Roseman

Notary Public

My commission expires Jan. 20, 2014

*"Errors- the liability of the publisher on account of errors in
or omissions from any advertisement will in no way exceed
the amount of the charge for the space occupied by the item in
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AFFIDAVIT OF PUBLICATION

STATE OF SOUTH CAROLINA

COUNTY OF FAIRFIELD

Amanda Revels

Associate Editor, of WINNSBORO HERALD, a newspaper published in Fairfield County, S.C. being duly sworn, says that at the time the attached notice was published in WINNSBORO HERALD, said newspaper met all of the requirements and qualifications prescribed by South Carolina General Statute 1-597; that said newspaper had a general circulation to actual paid subscribers; and, was admitted to the United States mail as second class matter in Fairfield County, S.C.; and further, that the attached notice was published in WINNSBORO HERALD on


January 1; 4; 8; 11; 15 2013



Associate Editor

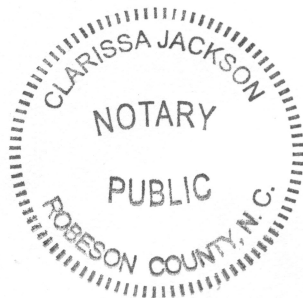
Sworn to and subscribed before me

this the 19 day of March 2013



NOTARY PUBLIC

My commission expires: 7-23-2016



INTERESTED IN THE FUTURE OF LAKE MONTICELLO AND PARR RESERVOIR?

SCE&G's license from the Federal Energy Regulatory Commission (FERC) to operate the Parr Hydroelectric Project (which includes both the Parr Hydro and Fairfield Pumped Storage Plants) is coming up for renewal. The company will apply for a new license in the years ahead, and the time is now to begin the process!

SCE&G invites interested members of the public to attend two public outreach meetings to learn more about the project, the relicensing process and how interested stakeholders may continue their involvement throughout the proceeding.

SCE&G representatives will solicit public input and answer questions regarding environmental, recreation, and lake and land management resources within the FERC licensed project boundary. This includes, but is not limited to, portions of the Broad River and Monticello Reservoir.

Please note that the scope of this project does not include the V.C. Summer Nuclear Station. It is licensed separately by the Nuclear Regulatory Commission.

The meetings will be held at the following times and locations:

January 15, 2013 7:00 p.m.

**Winnboro Woman's Club
102 S Vanderhorst Street
Winnboro, SC 29180**

January 17, 2013 7:00 p.m.

**Newberry County Courthouse
1226 College Street
Newberry, SC 29108**

For more information,

call 803-462-5833

See you there.

PARR
Relicensing Project

SCE&G.
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www.sceg.com

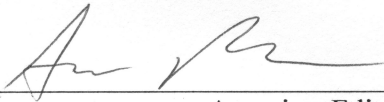
AFFIDAVIT OF PUBLICATION

STATE OF SOUTH CAROLINA
COUNTY OF NEWBERRY

Amanda Revels

Associate Editor, of NEWBERRY OBSERVER, a newspaper published in Newberry County, S.C. being duly sworn, says that at the time the attached notice was published in NEWBERRY OBSERVER, said newspaper met all of the requirements and qualifications prescribed by South Carolina General Statute 1-597; that said newspaper had a general circulation to actual paid subscribers; and, was admitted to the United States mail as second class matter in Newberry County, S.C.; and further, that the attached notice was published in NEWBERRY OBSERVER on

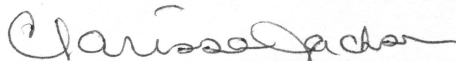
January 2; 4; 7; 9; 11; 14; 16 2013



Associate Editor

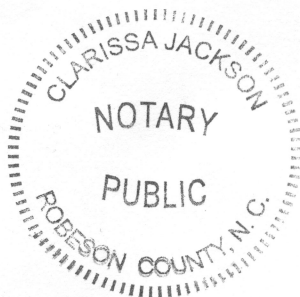
Sworn to and subscribed before me

this the 19 day of March 2013



NOTARY PUBLIC

My commission expires: 7-23-2016



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SCE&G's license from the Federal Energy Regulatory Commission (FERC) to operate the Parr Hydroelectric Project (which includes both the Parr Hydro and Fairfield Pumped Storage Plant) is coming up for renewal. The company will apply for a new license in the years ahead, and the time is now to begin the process!

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Newberry County Courthouse
1226 College Street
Newberry, SC 29108

For more information,
call 803-482-5833
See you there.

PARR
Relicensing Project

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